ELECTRONIC MAIL SUBMISSION

September 30, 2024, REVISED February 24, 2025
08397-0001

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Mr. Steven Berninger
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RE: Revised Engineering Certification and Baseline Air Quality Sampling Report
Edge on Hudson –Block A – DeCicco & Sons – Site Retail Building
Former General Motors Assembly Plant
West Parcel Site
2 Lighthouse Landing
Sleepy Hollow, NY 10591
NYSDEC Site No. C360070

Dear Ms. Barry and Mr. Berninger:

On behalf of DeCicco & Sons (Owner), Paulus, Sokolowski and Sartor Engineering, P.C (PS&S) has prepared this Additional Air Quality Sampling Results Summary Report (Report) to the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) for the Edge on Hudson –DeCicco & Sons Sub-Slab Depressurization System (SSDS) – BCP No. C360070 (the Site) - Site **Retail Building**. This Report is for the Site **Retail Building** only and a separate PS&S VMS Engineering Certificate has been prepared for the Owner's "Market Building". This February 2025 PS&S correspondence supersedes and replaces the PS&S submissions on September 30, 2024 and November 11, 2024.

1.0 Introduction

In accordance with the 2013 Site Management Plan (SMP), a SSDS for the **Retail Building** (approximately 9,034 square feet) was installed on January 18, 2024 and February 22, 2024 as a required engineering control (EC) in accordance with the NYSDEC and NYSDOH approved Sub-slab Depressurization System Installation, Operations, and Maintenance Plan

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(IO&M Plan) dated July 28, 2023 and last revised October 16, 2023 (refer to **Attachment A**).

The installed **Retail Building** SSDS is comprised of a Sub-Slab Passive Venting System as presented below in ascending order (i.e., from the bottom to the top) (refer to **Attachment A**).

1. 1-foot-wide by 1-inch-thick TerraVent™[1] horizontal vapor venting system installed in ¾-inch-size washed gravel aggregate. The 1-foot-wide by 1-inch-thick TerraVent™ horizontal vapor venting system was connected to 4-inch-diameter solid wall PVC pipe that extended above the Retail Building roof line.
2. TerraBase+™ base reinforcement layer.
3. Minimum 40-mil-thick TerraShield™ vapor barrier system. The TerraShield™ vapor barrier is a spray-applied, nitrile-advanced asphalt latex.
4. LandScience™ Protection Fabric geotextile layer.
5. A nominally 12-inch-thick a reinforced concrete slab.

The SSDS vent risers were extended through the **Retail Building** and terminated above the roof line. These **Retail Building** SSDS vent risers were connected to passive roof turbines.

Indoor air and sub-slab vapor were sampled at **Retail Building** vapor pin locations VP-06 and VP-07 on July 9, 2024, July 16, 2024, and resampled during the heating window on December 30, 2024, and February 11, 2025 for the TO-15 analyte list including methane gas. The **Retail Building** ventilation system was running during December 2024 and February 2025 sampling events.

2.0 Engineering Certification

The **Retail Building** SSDS was installed by the manufacturer (Land Science™) approved installer Budget Concrete. Budget Concrete mobilized to the Site for the **Retail Building** SSDS installation at the Retail Building on January 18, 2024 and then on February 22, 2024. A PS&S qualified environmental professional (QEP) was onsite to observe and document the installation of the **Retail Building** SSDS.

Budget Concrete performed **Retail Building** smoke testing on January 18, 2024 and February 22, 2024 in accordance with the IO&M Plan following the installation of the SSDS. These smoke tests were performed to visually verify and confirm the proper installation of the SSDS, i. e., the multi-layer TerraShield™ system.

The **Retail Building** smoke tests were witnessed by the PS&S environmental professional and testing logs are included in **Attachment C**. Smoke testing occurred after the TerraShield™ system layer was installed and the required minimum thickness was verified by Budget Concrete. Each smoke test was video recorded for the project record (refer to **Attachment D** for the photolog). Budget Concrete Smoke Testing Reports are included as **Attachment E**. Enclosed as **Attachment F** is the Contractors Warranty.

[1] LandScience™, a division of REGENSIS™, is the manufacturer of the approved multi-layer VMS.

The **Retail Building** SSDS Record of Construction Plan was prepared and issued by a New York-licensed Engineer (refer to **Attachment B**). This **Retail Building** SSDS Record of Construction Plan includes the location of vapor piping, risers, vapor pins and overall TerraShield™ System.

PS&S New York State Licensed Professional Engineer certifies that this system was installed in accordance with the NYSDEC and NYSDOH-approved design (refer to **Attachment G**).

This PS&S Engineering Certification is limited to the Block A **Retail Building** (Retail Building). An additional engineering certification will be issued for the remaining Block A Grocery Building

3.0 Baseline Air Sampling

PS&S collected additional air quality samples for the **Retail Building** on July 9, 2024, July 16, 2024, December 30, 2024 and February 11, 2025. Sub-slab soil vapor and indoor air samples were collected at vapor pins VP-06 and VP-07 (refer to **Attachment B**) and one outdoor ambient air sample was collected as a background control. Refer to **Table 1** for the Baseline Air Quality Testing Condensed Analytical Report. The **Retail Building** ventilation system was running at the time of sampling for the December 2024 and February 2025 events. The sampling was performed in accordance with the IO&M Plan.

3.1 Sampling Procedures

Prior to sampling, tracer gas tests were performed to verify the integrity of the soil vapor seals using the technique described in the NYSDOH Soil Vapor Intrusion Guidance using a portable monitoring device (refer to **Attachment H** for field reports).

Next, the SSDS was capped off for two to three days to allow soil vapor to collect under the slab. Once the sampling tube was properly installed and sealed, the soil vapor in the tube was purged of three volumes of the sample probe prior to collecting a sample.

Samples were collected using Summa Canisters over a 24-hour sampling period, which were conducted in accordance with the October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDEC VMS Guidance). The Summa Canisters regulator was set to collect the sample at a rate not to exceed 0.2 liters per minute. Total VOC readings were collected using a photoionization detector (PID).

Sampling activities were recorded in a field book and associated sampling log (refer to **Attachment I**). Other observations (e.g., conditions of the concrete slab, etc.) were noted on the sampling log. The sampling log will also serve as the inspection form for the monitoring network.

Prior to sampling the building was inspected and an inventory of products which could interfere with the sampling were recorded in the field reports.

3.2 Sampling Results

Retail Building Samples were analyzed by subcontracted laboratory, SGS North America Inc. (SGS) for the complete list of USEPA Air Method Toxic Organic –15 (TO15) and methane. A table of the sample results is included as **Attachment J** and comparison to the NYSDOH Soil Vapor/Indoor Air Matrices from May 2017 and February 2024 included below. SGS laboratory reports are included as **Attachment K**.

The **Retail Building** results from the sampling were compared to the NYSDOH Soil Vapor/Indoor Air Matrices from May 2017 and February 2024. Based on the July 2024 results, "monitoring" was required for Trichloroethylene and "identify source(s) and resample or mitigate" was required for cis-1,2-Dichloroethylene, Ethylbenzene, Hexane, m,p-Xylene, Methylene chloride and o-Xylene. The results from the resampling performed during the heating window in February 2025 were "no further action" for the analytes in the NYSDOH Matrices. The passive wind turbines were not installed at the time of the July 2024 and December 2024 sampling which explains the improvement in the February 2025 results.

Table 1 – Edge on Hudson – Block A – DeCiccos Sons – Market Building PS&S Engineering Certificate Baseline Air Quality Testing Condensed Analytical Results

- Refer to Pages 5 and 6

		VP-06			
Job Code:		JD91960	JD91960	JE5543	JE5543
Client Sample ID:		VP-06-INDOOR	VP-06-SOILVAPOR	21125 VP-06 INDOOR	125 VP-06 SOIL VAPO
Lab Sample ID:		JD91960-1	JD91960-2	JE5543-3	JE5543-2
Matrix:		Indoor Air Comp.	Soil Vapor Comp.	Indoor Air Comp.	Soil Vapor Comp.
Sample Date:		7/9/2024 2:30 PM	7/9/2024 2:30 PM	2/11/2025 12:00 PM	2/11/2025 12:00 PM
Analyte	**Unit**				
1,1,1-Trichloroethane	ug/m3	**< 0.34**	**< 1.7**	**< 0.44**	**< 0.55**
1,1,2,2-Tetrachloroethane	ug/m3	< 0.26	< 1.3	< 0.55	< 0.69
1,1,2-Trichloroethane	ug/m3	< 0.16	< 0.82	< 0.44	< 0.55
1,1-Dichloroethane	ug/m3	< 0.19	< 0.93	< 0.65	< 0.81
1,1-Dichloroethylene	ug/m3	**< 0.19**	**< 0.95**	**< 0.13**	**< 0.16**
1,2,4-Trichlorobenzene	ug/m3	< 0.72	< 3.6	< 0.59	< 0.74
1,2,4-Trimethylbenzene	ug/m3	**< 0.34**	**< 1.7**	**2.5**	**1.1**
1,2-Dibromoethane (EDB)	ug/m3	< 0.18	< 0.92	< 0.61	< 0.77
1,2-Dichloroethane	ug/m3	< 0.23	< 1.1	< 0.65	< 0.81
1,2-Dichloropropane	ug/m3	< 0.23	< 1.2	< 0.74	< 0.92
1,3,5-Trimethylbenzene	ug/m3	**< 0.31**	**< 1.6**	**0.74 J**	**< 0.98**
1,3-Butadiene	ug/m3	< 0.15	< 0.75	< 0.35	< 0.44
1,4-Dioxane	ug/m3	< 0.14	< 0.68	< 0.58	< 0.72
2,2,4-Trimethylpentane	ug/m3	**0.51 J**	**2.7 J**	**< 0.75**	**< 0.93**
2-Chlorotoluene	ug/m3	< 0.30 [c]	< 1.5 [a]	< 0.83	< 1.0
2-Hexanone	ug/m3	< 0.49	< 2.4	< 0.65	< 0.82
3-Chloropropene	ug/m3	< 0.21	< 1.0	< 0.50	< 0.63
4-Ethyltoluene	ug/m3	< 0.37	< 1.9	0.74 J	< 0.98
Acetone (2-Propanone)	ug/m3	45.8	109	252	2
Benzene	ug/m3	**0.45 J**	**2.1 J**	**0.54**	**0.35 J**
Benzyl Chloride	ug/m3	< 0.52	< 2.6	< 0.82	< 1.0
Bromodichloromethane	ug/m3	< 0.16	< 0.80	< 0.54	< 0.67
Bromoethene	ug/m3	< 0.21	< 1.0	< 0.70	< 0.87
Bromoform	ug/m3	< 0.59 [c]	< 2.9 [c]	< 0.33	< 0.41
Bromomethane	ug/m3	< 0.21	< 1.1	< 0.62	< 0.78
Carbon disulfide	ug/m3	< 0.11	3.1	< 0.50	1.9
Carbon tetrachloride	ug/m3	**< 0.20**	**< 1.0**	**0.51**	**< 0.25**
Chlorobenzene	ug/m3	< 0.27	< 1.4	< 0.74	< 0.92
Chloroethane	ug/m3	< 0.14	< 0.71	< 0.42	< 0.53
Chloroform	ug/m3	< 0.15	2.9 J	< 0.78	1.6
Chloromethane	ug/m3	1	22.7	1	0.39 J
cis-1,2-Dichloroethylene	ug/m3	**< 0.095**	**< 0.48**	**< 0.13**	**< 0.16**
cis-1,3-Dichloropropene	ug/m3	< 0.23	< 1.1	< 0.73	< 0.91
Cyclohexane	ug/m3	**< 0.12**	**< 0.62**	**< 0.55**	**< 0.69**
Dibromochloromethane	ug/m3	< 0.36 [a]	< 1.8 [a]	< 0.68	< 0.85
Dichlorodifluoromethane	ug/m3	1.6	8.4	2.9	1.8
Ethanol	ug/m3	10	103	66.3	3.2
Ethyl Acetate	ug/m3	34	270	36.4	126
Ethylbenzene	ug/m3	**0.61 J**	**6.1**	**0.42 J**	**0.52 J**
Freon 113	ug/m3	< 0.19	< 0.92	< 0.61	< 0.77
Freon 114	ug/m3	< 0.28	< 1.4	< 0.56	< 0.70
Heptane	ug/m3	**< 0.30**	**< 1.5**	**< 0.66**	**< 0.82**
Hexachlorobutadiene	ug/m3	< 0.53	< 2.7	< 0.77	< 0.96
Hexane	ug/m3	**45.1**	**3.9**	**3.4**	**< 0.70**
Isopropyl Alcohol	ug/m3	1.6	5.9	1.3	0.61
m,p-Xylene	ug/m3	**1.9**	**20**	**1.5**	**1.8**
m-Dichlorobenzene	ug/m3	< 0.66	< 3.2	< 0.48	< 0.60
Methane	mg/m3	-	-	< 5.4	< 4.7
Methyl ethyl ketone	ug/m3	1.5	6.8	316	< 0.59
Methyl Isobutyl Ketone	ug/m3	< 0.24	< 1.2	< 0.66	< 0.82
Methyl Tert Butyl Ether	ug/m3	< 0.23	< 1.2	< 0.58	< 0.72
Methylene chloride	ug/m3	**28**	**4.5**	**1**	**1.4**
Methylmethacrylate	ug/m3	< 0.23	3.5	< 0.66	< 0.82
o-Dichlorobenzene	ug/m3	< 0.33	< 1.7	< 0.19	< 0.24
o-Xylene	ug/m3	**0.52 J**	**5.2**	**0.56 J**	**0.65 J**
p-Dichlorobenzene	ug/m3	< 0.38	< 1.9	< 0.48	< 0.60
Propylene	ug/m3	< 0.19	< 0.98	< 0.69	< 0.86
Styrene	ug/m3	< 0.18 [c]	< 0.89	< 0.68	< 0.85
Tertiary Butyl Alcohol	ug/m3	0.79	2.9	< 0.49	< 0.61
Tetrachloroethylene	ug/m3	**< 0.075**	**1.8**	**< 0.22**	**3.3**
Tetrahydrofuran	ug/m3	0.32 J	5.3	923	< 0.59
Toluene	ug/m3	**1.5**	**11**	**8.3**	**0.75**
trans-1,2-Dichloroethylene	ug/m3	22	61.5	2.4	4
trans-1,3-Dichloropropene	ug/m3	< 0.37	< 1.8	< 0.73	< 0.91
Trichloroethylene	ug/m3	**< 0.081**	**1.3**	**< 0.17**	**0.39**
Trichlorofluoromethane	ug/m3	2.9	12	2 a	1.9 a
Vinyl Acetate	ug/m3	1.2	6.3	< 0.56	< 0.70
Vinyl chloride	ug/m3	**< 0.14**	**< 0.72**	**< 0.082**	**< 0.10**
Xylenes (total)	ug/m3	2.4	25	2.1	2.5
4-Bromofluorobenzene	%	87	87	102	102
4-Bromofluorobenzene (1)	%	-	-	105	94
4-Bromofluorobenzene	%	-	-	116	115
4-Bromofluorobenzene (1)	%	-	-	120	
Decision Matrix Results Notes:					
No Further Action					
Mitigate					
Identify source(s) or resample or mitigate					
Monitor					

		VP-07				Outdoor		
Job Code:		JD92397	JD92397	JE5543	JE5543	JD92397	JE3522	JE5543
Client Sample ID:		VP-07-INDOOR	VP-07-SOIL VAPOR	21125 VP-07 INDOOR	125 VP-07 SOIL VAPO	OUTDOOR AMBIENT	123124 OUTDOOR	21125 AMBIENT
Lab Sample ID:		JD92397-1	JD92397-2	JE5543-5	JE5543-4	JD92397-3	JE3522-15	JE5543-1
Matrix:		Indoor Air Comp.	Soil Vapor Comp.	Indoor Air Comp.	Soil Vapor Comp.	Ambient Air Comp.	Ambient Air Comp.	Ambient Air Comp.
Sample Date:		7/16/2024 3:00 PM	7/16/2024 3:00 PM	2/11/2025 12:00 PM	2/11/2025 12:00 PM	7/16/2024 3:00 PM	2/31/2024 12:30 PM	2/11/2025 12:00 PM
Analyte	**Unit**							
1,1,1-Trichloroethane	ug/m3	**< 0.34**	**0.6**	**< 0.44**	**< 0.55**	< 0.34	-	< 0.44
1,1,2,2-Tetrachloroethane	ug/m3	< 0.26	< 0.26	< 0.55	< 0.69	< 0.26	-	< 0.55
1,1,2-Trichloroethane	ug/m3	< 0.16	< 0.16	< 0.44	< 0.55	< 0.16	-	< 0.44
1,1-Dichloroethane	ug/m3	< 0.19	< 0.19	< 0.65	< 0.81	< 0.19	-	< 0.65
1,1-Dichloroethylene	ug/m3	**< 0.19**	**< 0.19**	**< 0.13**	**< 0.16**	< 0.19	-	< 0.13
1,2,4-Trichlorobenzene	ug/m3	< 0.72	< 0.72	< 0.59	< 0.74	< 0.72	-	< 0.59
1,2,4-Trimethylbenzene	ug/m3	**1.9**	**1.4**	**< 0.79**	**1.5**	1.4	-	< 0.79
1,2-Dibromoethane (EDB)	ug/m3	< 0.18	< 0.18	< 0.61	< 0.77	< 0.18	-	< 0.61
1,2-Dichloroethane	ug/m3	< 0.23	< 0.23	< 0.65	< 0.81	< 0.23	-	< 0.65
1,2-Dichloropropane	ug/m3	2.6	0.97	< 0.74	< 0.92	2.4	-	< 0.74
1,3,5-Trimethylbenzene	ug/m3	**0.48 J**	**< 0.31**	**< 0.79**	**< 0.98**	< 0.31	-	< 0.79
1,3-Butadiene	ug/m3	< 0.15	< 0.15	< 0.35	< 0.44	< 0.15	-	< 0.35
1,4-Dioxane	ug/m3	< 0.14	5.4	< 0.58	< 0.72	< 0.14	-	< 0.58
2,2,4-Trimethylpentane	ug/m3	**2.1**	**0.46 J**	**< 0.75**	**< 0.93**	0.79	-	0.41 J
2-Chlorotoluene	ug/m3	< 0.30	< 0.30 [c]	< 0.83	< 1.0	< 0.30	-	< 0.83
2-Hexanone	ug/m3	0.90 [a]	0.86	< 0.65	< 0.82	0.90 [a]	-	< 0.65
3-Chloropropene	ug/m3	< 0.21	< 0.21	< 0.50	< 0.63	< 0.21	-	< 0.50
4-Ethyltoluene	ug/m3	< 0.37	0.38 J	< 0.79	< 0.98	< 0.37	-	< 0.79
Acetone (2-Propanone)	ug/m3	1390	266	7.4	6.2	2400	-	6.4
Benzene	ug/m3	**1.4**	**0.8**	**0.73**	**0.86**	1.2	-	0.7
Benzyl Chloride	ug/m3	< 0.52	< 0.52	< 0.82	< 1.0	< 0.52	-	< 0.82
Bromodichloromethane	ug/m3	< 0.16	< 0.16	< 0.54	< 0.67	< 0.16	-	< 0.54
Bromoethene	ug/m3	< 0.21	< 0.21	< 0.70	< 0.87	< 0.21	-	< 0.70
Bromoform	ug/m3	< 0.59	< 0.59 [c]	< 0.33	< 0.41	< 0.59	-	< 0.33
Bromomethane	ug/m3	< 0.21	< 0.21	< 0.62	< 0.78	< 0.21	-	< 0.62
Carbon disulfide	ug/m3	2.3	6.2	< 0.50	4.4	2.1	-	< 0.50
Carbon tetrachloride	ug/m3	**< 0.20**	**< 0.20**	**0.53**	**< 0.25**	< 0.20	-	0.49
Chlorobenzene	ug/m3	< 0.27	< 0.27	< 0.74	< 0.92	< 0.27	-	< 0.74
Chloroethane	ug/m3	< 0.14	< 0.14	< 0.42	< 0.53	< 0.14	-	< 0.42
Chloroform	ug/m3	< 0.15	1.6	< 0.78	1.4	< 0.15	-	< 0.78
Chloromethane	ug/m3	2.5 [b]	14	0.97	< 0.41	2.3 [b]	-	1
cis-1,2-Dichloroethylene	ug/m3	**2.4**	**0.38**	**< 0.13**	**< 0.16**	1.1	-	< 0.13
cis-1,3-Dichloropropene	ug/m3	< 0.23	< 0.23	< 0.73	< 0.91	< 0.23	-	< 0.73
Cyclohexane	ug/m3	**0.52 J**	**0.48 J**	**< 0.55**	**< 0.69**	0.32 J	-	< 0.55
Dibromochloromethane	ug/m3	< 0.36	< 0.36 [c]	< 0.68	< 0.85	< 0.36	-	< 0.68
Dichlorodifluoromethane	ug/m3	2.6	7.9	2.9	3.5	2.8	-	2.6
Ethanol	ug/m3	29.4	50.7	13	20.9	23.2	-	4.1
Ethyl Acetate	ug/m3	8.3	5.4	204	525	10	-	252
Ethylbenzene	ug/m3	**15**	**12**	**< 0.69**	**3.6**	17	-	0.42 J
Freon 113	ug/m3	1.2	0.64	< 0.61	< 0.77	0.77	-	< 0.61
Freon 114	ug/m3	< 0.28	< 0.28	< 0.56	< 0.70	< 0.28	-	< 0.56
Heptane	ug/m3	3.2 [b]	**1.1**	**< 0.66**	**0.45 J**	2.3 [b]	-	< 0.66
Hexachlorobutadiene	ug/m3	< 0.53	< 0.53	< 0.77	< 0.96	< 0.53	-	< 0.77
Hexane	ug/m3	6.3 [b]	**1.3**	**3.4**	**2.1**	4.6 [b]	-	0.95
Isopropyl Alcohol	ug/m3	13	5.7	1.4	4.2	13	-	0.88
m,p-Xylene	ug/m3	**48.6**	**38**	**1**	**14**	54.7	-	1.3
m-Dichlorobenzene	ug/m3	< 0.66	< 0.66	< 0.48	< 0.60	< 0.66	-	< 0.48
Methane	mg/m3	-	-	< 5.0	< 5.8	-	4.4	< 4.8
Methyl ethyl ketone	ug/m3	50.7	12	0.77	1.4	46.9	-	0.41 J
Methyl Isobutyl Ketone	ug/m3	0.74	0.57 J	< 0.66	< 0.82	0.66	-	< 0.66
Methyl Tert Butyl Ether	ug/m3	< 0.23	< 0.23	< 0.58	< 0.72	< 0.23	-	< 0.58
Methylene chloride	ug/m3	**6.6**	**1.5**	**1.6**	**1.8**	4.9	-	1
Methylmethacrylate	ug/m3	7.4	2.6	< 0.66	< 0.82	4.9	-	< 0.66
o-Dichlorobenzene	ug/m3	< 0.33	< 0.33	< 0.19	< 0.24	< 0.33	-	< 0.19
o-Xylene	ug/m3	**13**	**10**	**0.43 J**	**4.3**	14	-	0.41 J
p-Dichlorobenzene	ug/m3	< 0.38	< 0.38	< 0.48	< 0.60	< 0.38	-	< 0.48
Propylene	ug/m3	< 0.19 [c]	< 0.19	< 0.69	< 0.86	< 0.19 [c]	-	< 0.69
Styrene	ug/m3	1.5	1.1	< 0.68	0.43 J	1.8	-	< 0.68
Tertiary Butyl Alcohol	ug/m3	32.4	6.1	< 0.49	< 0.61	33.3	-	< 0.49
Tetrachloroethylene	ug/m3	**0.5**	**6.7**	**< 0.22**	**6.8**	0.24	-	< 0.22
Tetrahydrofuran	ug/m3	41.6	11	0.53	2.2	38.9	-	< 0.47
Toluene	ug/m3	**24**	**21**	**6.8**	**7.9**	31	-	0.79
trans-1,2-Dichloroethylene	ug/m3	749	326	1	2.4	1360	-	0.34 J
trans-1,3-Dichloropropene	ug/m3	< 0.37	< 0.37	< 0.73	< 0.91	< 0.37	-	< 0.73
Trichloroethylene	ug/m3	**0.44**	**12**	**< 0.17**	**9.7**	< 0.081	-	< 0.17
Trichlorofluoromethane	ug/m3	1.7	15	2.2 a	7.9 a	1.8	-	1.9 a
Vinyl Acetate	ug/m3	< 0.32	3.5	< 0.56	5.3	< 0.32	-	< 0.56
Vinyl chloride	ug/m3	**< 0.14**	**< 0.14**	**< 0.082**	**< 0.10**	< 0.14	-	< 0.082
Xylenes (total)	ug/m3	61.6	47.8	1.4	18	68.7	-	1.7
4-Bromofluorobenzene	%	84	88	103	97	85	98	101
4-Bromofluorobenzene (1)	%	110	86	101	94	110	88	101
4-Bromofluorobenzene	%	-	-	114	115	-	-	113
4-Bromofluorobenzene (1)	%	-	-	120	117	-	-	120
Decision Matrix Results Notes:								
No Further Action								
Mitigate								
Identify source(s) or resample or mitigate								
Monitor								

4.0 Conclusions

Trichloroethylene, cis-1,2-Dichloroethylene, Ethylbenzene, Hexane, m,p-Xylene, Methylene chloride and o-Xylene (analytes with a "monitor" or "identify source(s) and resample or mitigate" designation) were resampled during the February 2025 heating season resulting in "no further action" designations. The remaining analytes also reported results requiring no further action. As a result, it is PS&S' professional opinion that the installed **Retail Building** passive system is protective of human health and the environment.

Should you have any questions or require additional information, please call me at 732-584-0437.

Very truly yours,

PAULUS, SOKOLOWSKI AND SARTOR ENGINEERING, PC



Janos M. Szeman, P.E.
Vice President

Attachments:

- **Attachment A** – October 2023 IO&M Plan
- **Attachment B** – SSDS As-Built
- **Attachment C** – PS&S Smoke Test Logs
- **Attachment D** – Smoke Test Photo Log
- **Attachment E** – Budget Concrete Smoke Tests
- **Attachment F** – Contractor Warranty
- **Attachment G** – Engineering Certification
- **Attachment H** –Sampling Field Reports
- **Attachment I** – Sampling Log
- **Attachment J** – Baseline Sampling Results Table
- **Attachment K** – SGS Lab Reports

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Attachment A

October 2023 IO&M Plan

Education

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Healthcare

Public Works

Real Estate

Science & Technology

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Yonkers, NY 10701

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ELECTRONIC MAIL SUBMISSION

July 28, 2023, Last Revised – October 16, 2023
08397-0001

Ms. Emily Barry
Division of Environmental Remediation
New York State Department of Environmental Conservation
21 S Putt Corners Road, New Platz, NY 12561
Via email to *Emily.barry@dec.ny.gov*

Education
Energy Utility
Hospitality
Public Sector
Real Estate
Science & Technology

RE: Sub-slab Depressurization System (SSDS)
Installation, Operations, and Maintenance Plan
Edge on Hudson –Block A – DeCicco & Sons
Former General Motors Assembly Plant
West Parcel Site
2 Lighthouse Landing
Sleepy Hollow, NY 10591
NYSDEC Site No. C360070

Ms. Barry,

On behalf of DeCicco & Sons (Owner), Paulus, Sokolowski and Sartor Engineering, P.C (PS&S) has prepared this Sub-Slab Depressurization System (SSDS) Installation, Operations, and Maintenance Plan (IO&M Plan) to the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) for the Edge on Hudson –DeCicco & Sons SSDS – BCP No. C360070 (the Site).

The structure of this IO&M Plan will be as follows:

1. **Introduction/Project Summary**
2. **Post Slab Installation – Smoke Testing and Engineering Certification**
3. **Post Building Completion/Prior to Occupancy Baseline Sampling**
4. **Operation and Maintenance/ Annual Inspections**

1.0 Introduction/Project Summary

In accordance with the 2013 Site Management Plan (SMP), a Soil Vapor Investigation (SVI) mitigation system will be installed without first conducting a soil vapor investigation as decided by the Owner.

PS&S has designed a proposed SSDS for Block A – Decicco's & Sons (refer to Figure VMS-01).

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The proposed SSDS is made up of a Sub-Slab Passive Venting System which contains approximately 1,200 linear feet of 1-foot-wide by 1-inch-thick TerraVent system installed in ¾-inch-size washed gravel aggregate under a reinforced concrete slab, and a multi-layer TerraShield™ system (Figures V-02 and V-03). The ground floor of Block A consists of a combination of retail and supermarket spaces.

This IO&M Plan was prepared to summarize the quality control (QC) requirements and performance criteria required for the installation and operation and maintenance activities for the SSDS. This IO&M Plan is organized into three chronological schedule milestones:

1. **Post slab installation**: The point in construction when the slab and plumbing protrusions are set, but vertical construction has not yet begun;

2. **Post building completion/prior to occupancy:** The point in construction when the developer has received approval from the Village of Sleepy Hollow to begin occupancy; and,

3. **Annual inspections**: Performance of the annual SSDS engineering control (EC) inspections in accordance with the 2013 SMP.

Each of these schedule milestones will require specific performance criteria to be achieved to allow the SSDS to remain passive. If these thresholds are not achieved, the Project Team will evaluate optimization/correction methods to bolster the SSDS performance. These methods will be proposed to the NYSDEC and NYSDOH for review and then approval. If the SSDS continues to not achieve performance requirements, the SSDS will be made active until the Project Team can establish and successfully document a change in conditions.

2.0 Post Slab Installation – Smoke Testing and Engineering Certification

A Qualified Environmental Professional (QEP) or environmental engineering representative will be onsite to observe and document the installation of the SSDS. These PS&S QEP observations will include daily field reports and monthly construction updates, which will be provided to NYSDEC. After the SSDS is installed, a New York State Licensed Professional Engineer (PS&S) will provide a Construction Certification Letter Report (CCLR) documenting that the system was installed in accordance with the NYSDEC and NYSDOH-reviewed design. In addition, a top of SSDS Record of Construction Plan (e.g., as-built) will be prepared and issued in accordance with the NYSDEC Mapping Standards.

A QA/QC smoke test will be performed following the installation of the SSDS. This test is performed to visually verify and confirm the proper installation of the multi-layer TerraShield™ system. The manufacturer, Land Science, requires a smoke test to obtain the required manufacturer's warranty. The smoke test will be performed by the approved TerraShield™ applicator and witnessed by the PS&S QEP or environmental engineering representative. Smoke testing will occur after the Nitra-Core layer has been installed and the required minimum mil thickness has been verified. Smoke testing may be conducted before the TerraShield™ is fully cured. Smoke testing may occur after the Land Science Protection Fabric layer is installed, if preferred by the applicator. As discussed below, smoke tests will be repeated if "leaks" are observed and additional Nitra-Core layer is installed.

The smoke test will include the following steps:

1. *One smoke test can cover between 2000 square feet to 3000 square feet depending on the sub grade under the membrane. On sites where multiple smoke tests will be needed, the applicator will use the first two smoke tests to estimate the coverage area per test. The actual VMS smoke test areas will be communicated to NYSDEC.*

2. *The applicator will perform visual verification of soundness of seams, terminations and penetrations and then identify and correct any apparent deficiencies and/or installation problems.*

3. *The applicator will note time, date, project name, inspector name, temperature, and weather conditions on testing log. In addition, the applicator will record humidity, barometric pressure, and wind speed/direction. Wind speed must be below 15 mph because visual identification of leaks becomes more difficult with increasing wind speed.*

4. *The applicator will cap other vent outlet(s) not being used and then insert the smoke test hose into coupon sampling locations, creating a seal around the smoke test hose with a rag.*

    a. *Coupon Sampling Procedure:*

        i. *The applicator will note time, date, project name, applicator name, temperature, and weather conditions on testing log/field notes.*
        ii. *The applicator will divide TerraShieldTM application area into 500 square foot grids.*
        iii. *When arriving at each grid the applicator will assess if there are any conditions that might present any challenges in establishing a proper seal and note areas.*
        iv. *The applicator will conduct a visual inspection of the membrane. Look for areas where a proper seal was not created, i.e., a fish mouth at the termination and areas where the vapor membrane might be sprayed thin. Mark areas needed for repair in the field with florescent paint or with chalk. Also make a note on the testing log.*
        v. *The applicator will calibrate mil reading caliper to account for the thickness of the TerraShieldTM BASE layer.*
        vi. *The applicator will collect a coupon sample in the area that is suspected to be sprayed thin. Use a box cutter to cut a 3 square inch sample from the membrane. Measure each side to confirm the specified minimum thickness has been obtained. Number each sample and save in the job file then mark the area for repair in the field and on the site plan.*
        vii. *After sampling 5 grids it is at the discretion of the applicator to continue collecting samples every 500 square feet or increase the sample area to 1,000 – 2,000 square feet, depending on the size of the vapor barrier installation.*
        viii. *Coupon samples may be collected prior to the* TerraShield^{TM} *layer fully curing. Note, observed shrinkage of the TerraShieldTM CORE layer during the curing process for horizontal surfaces is 10%.*
        ix. *When testing is complete, a copy of the membrane testing log will be sent to Land Science (should an extended warranty be required for the project). The CCLR will*

include a copy of the membrane testing log, document of repairs and retests, and the Land Science warranty.

5. *The applicator will activate the smoke generator/blower system and connect to a sub-slab vent riser or directly to the membrane. Minimum or expected pressures of the smoke test machines vary. It is anticipated that one smoke test can adequately cover 2,000 to 3,000 square feet, to be confirmed in the field by the applicator. The pressure of the smoke test must not cause excessive lifting of the vapor barrier.*

6. *To confirm the adequate flow of smoke under the membrane, the applicator will cut an average 2-inch square vent in the membrane to facilitate the purging of air pockets under it. If working properly, smoke will consistently flow though the 2-inch vent. If a low rate of smoke flow is observed, then it is an indication of poor smoke flow under the membrane. If low flow does occur, then the applicator will insert the smoke testing hose into the 2-inch membrane vent.*

7. *The applicator will mark sampling locations with fluorescent paint or chalk and repair sampling locations per Land Science recommendations.*

8. *The applicator will maintain operation of smoke generator/blower system for at least 10 to15 minutes following purging of the membrane. The applicator and QEP will thoroughly observe the membrane surface. Fluorescent paint or chalk will be used to mark/label any leak locations. Leak locations will be recorded on the testing log. NOTE: The duration of the smoke test will vary depending on the size of the area being tested. To help determine the duration, the applicator will monitor the pressure building up under the membrane. If excessive lifting of the membrane is observed, on the order of 1-inch to 2 inches lift of the membrane occurs, then the applicator will decrease the duration or pressure of the smoke test.*

9. *The applicator will prepare a membrane inspection log and identify the type of leak found, i.e., poor seal around penetration, fish-mouth, puncture, etc.*

10. *The applicator will repair leak locations marked in step 7 and step 8 in accordance with the Land Science procedures outlined in "TerraShieldTM Repair Procedures" section using Nitra-Core or Nitra-Core DETAIL. Repairs can be made when the smoke machine is in operation. If the smoke machine is shut down to make the necessary repairs, then the applicator will restart the smoke machine to verify the necessary repairs have been made properly.*

11. *The applicator will repeat steps 4 through 10 as necessary to confirm the integrity of the vapor membrane.*

12. *The applicator will complete the Land Science smoke testing inspection form indicating the successful completion of the smoke test (see **Attachment A**).*

After the completed smoke tests and prior to the placement of the reinforcing steel bar and framing of the ground floor concrete slab, the Contractor and the Project Team will field observe and document the completed VMS system under the concrete slab and then prepare the "Top of VMS Record of Construction

Plan". Each smoke test will be photographed for the project record. After completing the smoke test, the information will be summarized in the CCLR.

As part of the reinforced concrete slab construction, the identified vapor pins (vapor pin and protective sleeve/casing) will be installed.

3.0 Post Building Completion/Prior to Occupancy Baseline Sampling

Baseline indoor air quality (IAQ) sampling will occur before the building is occupied but after the completion of building superstructure construction and completed weatherproofing activities, including the installation of the SSDS vent risers to the roof and above the roof line. The heating and ventilation system will be running at the time of sampling to the extent practicable. Currently, the enclosed, weatherproof building envelope and IAQ sampling is tentatively on schedule for the winter 2023-2024 season (e.g., heating season) in advance of the summer 2024 building occupancy.

3.1 Baseline Air Quality Sampling

The potential for Soil Vapor Intrusion (SVI) will be evaluated through the collection of the following three air quality samples:

1. **Sub-slab soil vapor samples:** Seven sub-slab vapor samples will be collected from permanent sub-slab soil vapor pins, as shown on Figure VMS-01;
2. **Indoor air samples:** Indoor air quality (IAQ) samples will be collected above grade at each sub-slab soil vapor sampling pin location; and,
3. **Outdoor ambient air samples:** One outdoor ambient air sample will be collected for background control.

Sampling will be completed either prior to the introduction of potential interferences caused by the off-gassing of volatile chemicals in new building materials (e.g., paints, carpets, etc.).

The sub-slab soil vapor, indoor air, and outdoor ambient air samples will be collected using Summa Canisters over a 24-hour sampling period, which will be conducted in accordance with the October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDEC VMS Guidance). The Summa Canisters will have a regulator set to collect the sample at a rate not to exceed 0.2 liters per minute. Total VOC readings will be collected using a photoionization detector (PID).

The locations of the proposed sub-slab soil vapor sample locations are included on the attached Figure SAMP-01. Sub-slab soil vapor pin locations will be verified by PS&S prior to SVI sampling. Sampling will be conducted in accordance with NYSDOH SVI Guidance.

3.2 Sampling Procedures

Prior to sampling, the SSDS will be capped off for a minimum of two to three days to allow soil vapor to collect under the slab.

Prior to sampling, sub-slab soil vapor points will undergo a "tracer gas" test to verify the integrity of the soil vapor seals. One of the three tracer gas techniques described in the NYSDOH Soil Vapor Intrusion Guidance will be used. Once the sampling tube has been properly installed and sealed, the soil vapor in the tube will be purged of three volumes of the sample probe prior to collecting a sample.

Sampling activities will be recorded in a field book and associated sampling log as provided in **Attachment B** of this report. Other observations (e.g., conditions of the concrete slab, etc.) will be noted on the sampling log. The sampling log will serve as the inspection form for the monitoring network.

Samples will be analyzed by a NYSDOH-Environmental Laboratory Approval Program (ELAP) certified laboratory, for the complete list of USEPA Air Method Toxic Organics-15 (TO-15) for VOCs by methods that can achieve minimum reporting limits of 1 microgram per cubic meter (µg/m3) or less to allow comparison of the result to background levels. Note that, for indoor air (and ambient air) samples, an analytical reporting limit of 0.20 $\mu g/m^3$ or less is required for trichloroethene (TCE) and carbon tetrachloride.

Testing activities will be documented and reported to the NYSDEC and NYSDOH.

3.3 Baseline Sampling Comparison Criteria

Baseline air quality sample results will be compared to the current NYSDOH Air Guideline Values, dated October 2006 (AGVs), and NYSDOH Matrix values dated May 2017. Samples will be analyzed for VOCs and Methane. The NYSDOH Matrix will be used to take appropriate action. If the results indicate a "mitigate" action, then the Engineer and Project Team will review the Site well data and assess the need for an active system. The decision will be summarized and sent to the NYSDEC Project Manager and the NYSDOH for review and approval.

If the baseline VOC samples do not indicate the presence of VOCs, there is no complete pathway for vapor intrusion and the SSDS will remain passive.

3.4 Baseline Pressure Differential

If the VMS (i.e. SSDS) becomes an active system, then the pressure differential between the sub-slab and interior of the building will be measured using a VelociCalc® 9565 instrument, or similar pressure meter, with a measuring resolution of 0.001 inches of water column (in. wc) or equivalent at the permanent sub-slab vapor pins prior to building occupancy. Measurements will be collected from each of the building vapor pins. If the SSDS becomes active, pressure differential testing of the VMS system will occur immediately after the active system is turned on, to the extent practicable.

If the pressure below the sub-slab is greater than the pressure above the sub-slab, then there is the potential for vapor intrusion. The pressure differential will be deemed inadequate if the vapor pin at the point furthest from the active SSDS is positive. If an inadequate pressure differential is observed, then a building envelope review will be performed to study potential pressure losses as well as a second round of VMS system measurements will be performed and shared with the NYSDEC and NYSDOH.

If inadequate pressure differentials are still observed after the second round, DeCicco & Sons and PS&S will contact the NYSDEC and NYSDOH to discuss the potential options, including more powerful fans, for the required next steps in accordance with the current SMP and the NYSDEC vapor intrusion regulatory requirements. In more powerful fans are installed, then these SSDS IO&M steps will be removed until the required negative vacuum is observed and documented.

4.0 Operation and Maintenance/ Annual Inspections

If the baseline VOC samples do not indicate the presence of VOCs, then the system will remain passive and no additional sampling will occur. An annual inspection will be conducted to confirm that roof fans are unobstructed and there are no signs of damage to the system. A SSDS operations record will be kept and provided to NYSDEC in the annual Periodic Review Report (PRR) submissions.

5.0 Active System Conversion

If the passive system is converted to an active system, a revised IO&M Plan for the system will be submitted to the NYSDEC and NYSDOH for the Project Record.

If the SSDS system becomes active, then the pressure differential will be measured immediately after the active system is installed and turned on to confirm the radius of influence of the active system. The engineer or representative will use a VelociCalc® 9565 instrument or equivalent to monitor each of the vapor pin locations. The pressure differential will be deemed inadequate if the vapor pin at the point furthest from the active SSDS is positive and the engineer will notify NYSDEC and schedule a follow up inspection for within 72 hours.

If the passive SSDS system becomes active, a property manager will remove the passive roof vent turbines and then install/maintain the SSDS active radon fans and fan alarms. Daily inspections will be performed to confirm that the radon fans are operating properly. Radon fans will be outfitted with alarms to ensure the system remains operational. Fan alarms will be inspected routinely. Visual indicators such as a vacuum manometer shall be mounted to the SSDS risers and inspected routinely to indicate adequate vacuum within the system. A record will be kept and provided to NYSDEC. A log of visual indicators such as spinning roof fans and secure and closed vapor pins will be included during monthly inspections.

Should you have any questions or require additional information, please call me at 732-584-0437.

Very truly yours,

PAULUS, SOKOLOWSKI AND SARTOR ENGINEERING, PC

Janos M. Szeman

Janos M. Szeman, P.E.
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Attachments:

- **Attachment A – Land Science Membrane Testing Log**
- **Attachment B – Vapor Sampling Log**

Figures:

1. V-01 – Sub-slab Depressurization System (SSDS) Plan
2. V-02– Sub-slab Depressurization System (SSDS) Details (1 of 2)
3. V-03– Sub-slab Depressurization System (SSDS) Details (2 of 2)
4. V-04– Sub-slab Depressurization System (SSDS) Notes

Attachment A

Land Science Membrane Testing Log

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Land Science™ Technologies

Land Science VMS Membrane Testing Log

Project Name		Date	
Inspector Name		Time	
Location		Temperature	
Weather Conditions		Barometric Pressure	

Building Square footage		Gallons Used	
Square footage for this report		Square feet per gallon	

Coupon Samples Taken		Smoke Test Conducted	
Coupon Samples Under the Specified Thickness		Duration of Smoke Test	
Coupon Samples Marked for Repair		Number of Areas Needed for Repair	

Indicate Areas Marked for Repair: (#) Coupon Sample Repair (^) Smoke Test Repair (*) Thickness measurement repair

Comments:

Signature

Report ( ) or ( )

Attachment B

Vapor Sampling Log

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VAPOR INSTRUSION SAMPLING LOG
Paulus, Sokolowski and Sartor Engineering, PC

Project Number:	Date:
Project Name	Sample Location:
Project Address:	
Project Location:	

VAPOR INTRUSION SAMPLING

Select One: Indoor/ Outdoor/ SoilVapor/ Sub-Slab	Sample ID	Summa Canister ID	Flow Controler ID	**Start**			**End**			**COMMENTS / OBSERVATIONS**
				Time	PID (ppm)	Canister Vacuum (inches of Hg)	Time	PID (ppm)	Canister Vacuum (inches of Hg)	

Figures

1. V-01 – Sub-slab Depressurization System (SSDS) Plan
2. V-02– Sub-slab Depressurization System (SSDS) Details (1 of 2)
3. V-03– Sub-slab Depressurization System (SSDS) Details (2 of 2)
4. V-04– Sub-slab Depressurization System (SSDS) Notes

Education

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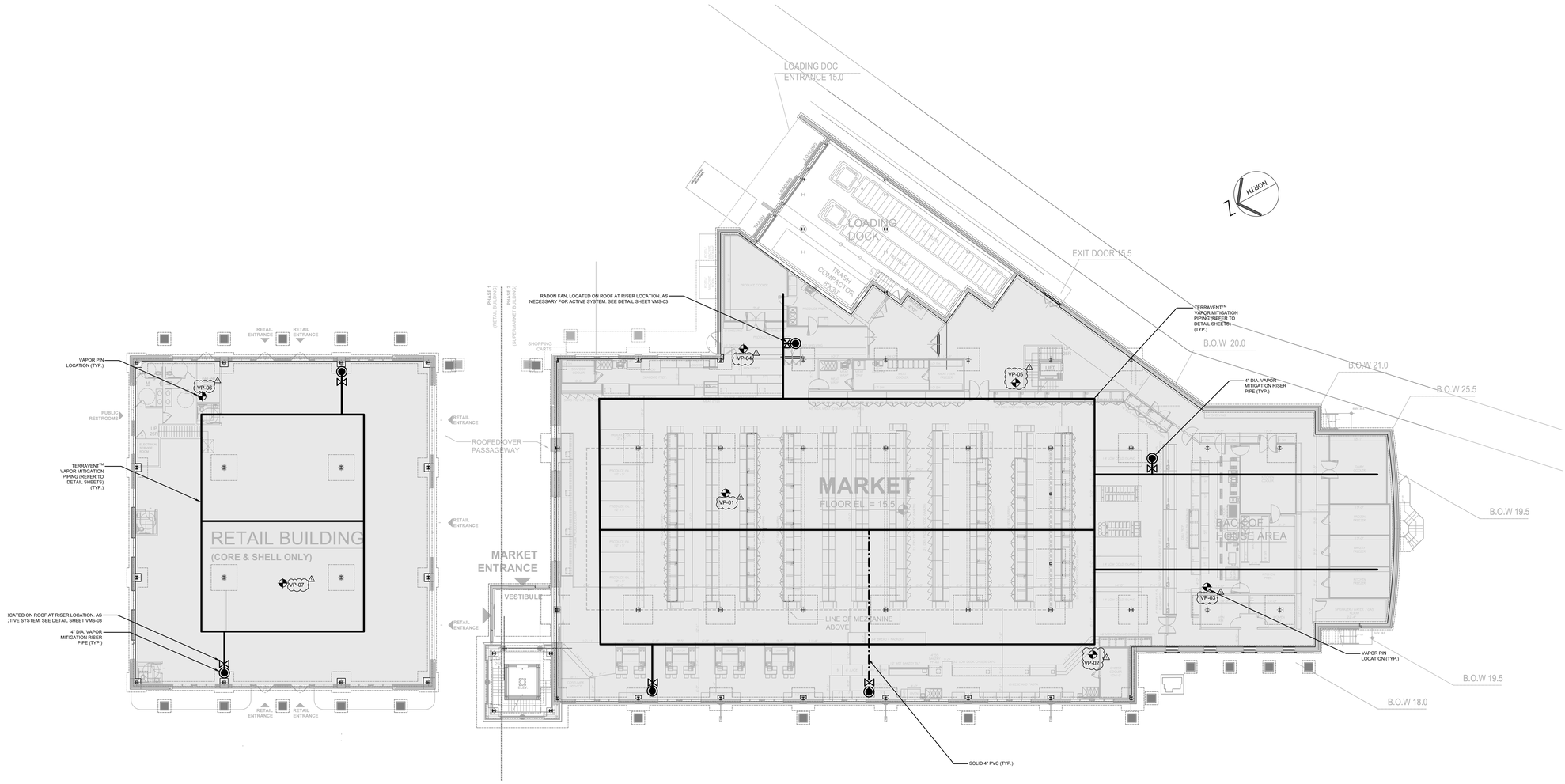
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NOTES:

1. FLOOR PLAN AND FOUNDATION INFORMATION SHOWN HEREIN WAS RECEIVED FROM DECICCO & SONS IN ELECTRONIC FORMAT ON APRIL 6, 2023.
2. THE VAPOR MITIGATION SYSTEM (VMS) LAYOUT IS PRELIMINARY. APPROXIMATE LOCATIONS TO BE FIELD DETERMINED BY CONTRACTOR, ENGINEER (PS&S) AND ARCHITECT.
3. REFER TO ARCHITECTURAL AND MEP PLANS FOR INFORMATION AND VERTICAL LAYOUT OF RISERS AND VENTS DISCHARGING TO THE ROOF.
4. ALL UTILITIES AND PILES SHOWN HEREON ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION OF BUILDING UTILITIES WITH ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.
5. VMS UTILITY CROSSINGS WILL BE COORDINATED WITH THE ENGINEER AND CONTRACTOR.
6. THE VAPOR MANAGEMENT SYSTEM (VMS) IS REQUIRED UNDER ALL GROUND FLOOR INDOOR HABITABLE SPACE OF THE PLANNED BUILDINGS, REFER TO THE CURRENT ARCHITECTURAL PLANS AS IDENTIFIED ABOVE. FURTHER, THE VAPOR BARRIER, TERRA SHIELD®, OR APPROVED EQUAL, MUST BE INSTALLED UNDER THE ENTIRE FOOTPRINT OF THE PROPOSED BUILDINGS, REFER TO THE TYPICAL SITE DETAILS ON SHEETS VMS-02 THROUGH VMS-04.
7. THE CONTRACTOR MUST USE A MANUFACTURER-TRAINED AND CERTIFIED INSTALLATION TO INSTALL THE VAPOR MANAGEMENT SYSTEM (VMS) IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE CONTRACTOR MUST WORK WITH THE ARCHITECT AND ENGINEER TO PREPARE AND ISSUE A RECORD OF CONSTRUCTION SURVEY OF THE INSTALLED VMS.

GRAPHIC SCALE

15 0 7.5 15 30

(IN FEET)
1 inch = 15 ft.

LEGEND

- TERRAVENT VAPOR MITIGATION PIPING
- SOLID 4" PVC PIPING
- VAPOR PIN LOCATION
- 4" DIA. RISER PIPE AND DESIGNATION
- RADON FAN ON ROOF AT RISER PIPE LOCATION. AS NECESSARY FOR AN ACTIVE SYSTEM

TABLE 1: VMS PLAN SET DRAWING LIST

SHEET	SHEET TITLE	DATE	REVISION
VMS-01	VAPOR MITIGATION SYSTEM (VMS) PLAN	05/16/2023	10/13/2023
VMS-02	VAPOR MITIGATION SYSTEM (VMS) DETAILS (1 OF 2)	05/16/2023	
VMS-03	VAPOR MITIGATION SYSTEM (VMS) DETAILS (2 OF 2)	05/16/2023	
VMS-04	VAPOR MITIGATION SYSTEM (VMS) NOTES	05/16/2023	

TABLE 2: GROUND FLOOR SUMMARY

BUILDING	BUILDING GROUND FLOOR AREA	MULTI-LAYER SSDS VAPOR BARRIER, VAPOR VENTS & VERTICAL RISERS
RETAIL	9,034 SF.	9,034 SF.
MARKETPLACE	26,893 SF.	26,893 SF.

SF. = SQUARE FEET
1. ARCHITECTURAL FLOOR PLANS PROVIDED BY DECICCO & SONS.

ISSUED FOR REGULATORY REVIEW 05/16/23

REV. / ISSUE	DATE	DESCRIPTION
0	5/16/23	ISSUED FOR REG. REVIEW
1	10/13/23	VAPOR PIN LABELS ASSIGNED & ADDTL VAPOR PIN ADDED

CONSULTANT

CONSULTANT

ORIENTATION / KEY PLAN

PAULUS, SOKOLOWSKI AND SARTOR ENGINEERING, P.C.
ONE LARKIN PLAZA
2ND FLOOR
YONKERS, NEW YORK 10701
PHONE: (914) 509-8600

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ALL DIMENSIONS MUST BE VERIFIED BY THE CONTRACTOR. NOTIFY PAULUS, SOKOLOWSKI AND SARTOR ENGINEERING, PC. OF ANY CONFLICTS, ERRORS, AMBIGUITIES OR DISCREPANCIES IN THE CONTRACT DRAWINGS OR SPECIFICATIONS BEFORE PROCEEDING WITH CONSTRUCTION.

ALL DIMENSIONS SHALL BE AS NOTED IN WORDS OR NUMBERS ON THE CONTRACT DRAWINGS. DO NOT SCALE THE DRAWINGS TO DETERMINE DIMENSIONS.

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JANOS M. SZEMAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 084542-1

SIGNATURE

4/6/2023
DATE

CLIENT

PROJECT

EDGE ON HUDSON
DECICCO & SONS

1 & 3 LEGEND DRIVE
VILLAGE OF SLEEPY HOLLOW, WESTCHESTER COUNTY, NY

SHEET TITLE

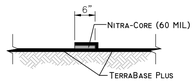
VAPOR MANAGEMENT SYSTEM (VMS) PLAN

PROJECT NO.: 08397.0001
DATE: 05-16-2023
DRAWN BY: SKL
CHECKED BY: JB/JMS
SCALE: AS SHOWN
SHEET 1 OF 4

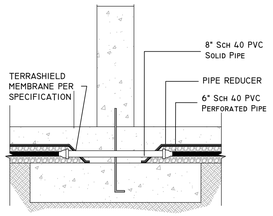
SHEET NO.

VMS-01

ES NAME: W:\08397\001\Drawings\Layout\Design\VMS-01.dwg LAST EDIT: 10/13/2023 11:19:38 AM USER: rbenedi

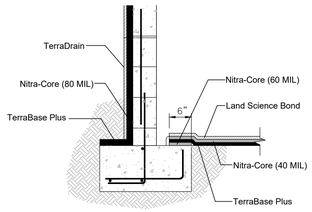


1 TERRASHIELD BASE OVERLAP
SCALE: NTS

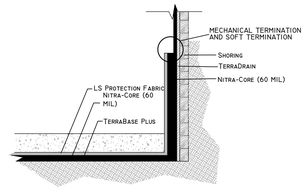


NOTE: TERMINATE MEMBRANE A MINIMUM OF 12" FROM VERTICAL REBAR

2 SLOTTED PIPE WITH SLEEVES
SCALE: NTS

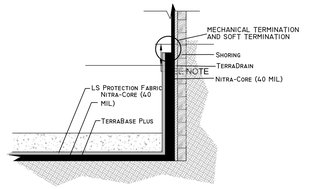


3 BELOW GRADE TERMINATION
SCALE: NTS

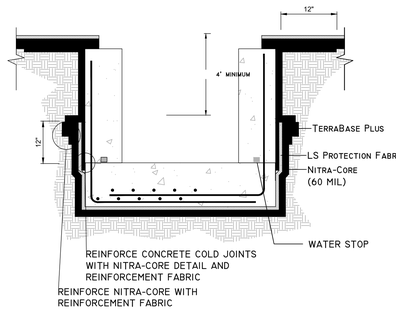


NOTE: WATER STOPS WILL BE REQUIRED AT COLD JOINTS BELOW GRADE

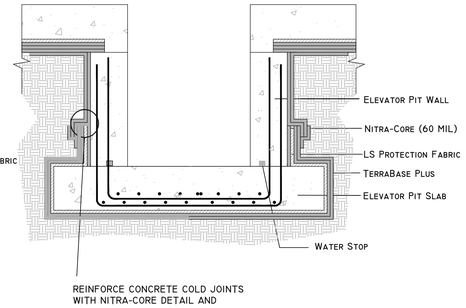
4 BELOW GRADE SHORING
SCALE: NTS



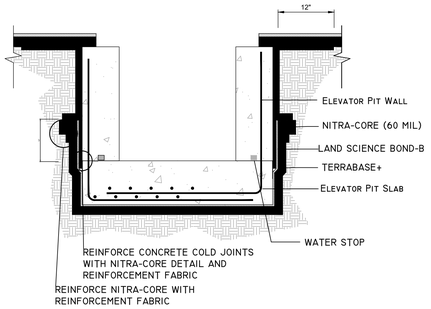
5 BELOW GRADE SHORING NON-HYDROSTATIC
SCALE: NTS



6 ELEVATOR PIT NON-HYDROSTATIC
SCALE: NTS

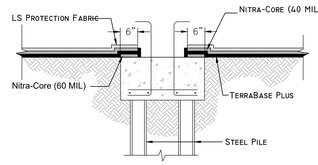


7 ELEVATOR PIT NON-HYDROSTATIC (OPTION B)
SCALE: NTS

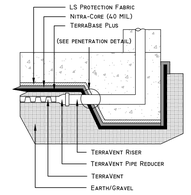


NOTE: BOND-B SHOULD EXTEND 1' ABOVE THE DESIGN WATER TABLE OR TO THE TOP OF THE PIT WALL

8 BOND B ELEVATOR PIT
SCALE: NTS

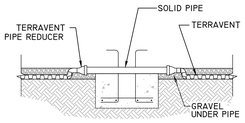


9 TERRASHIELD PILECAP DETAIL
SCALE: NTS



10 TERRASHIELD AND TERRAVENT RISER
SCALE: NTS

11 TERRASHIELD VERTICAL TERMINATION DETAIL
SCALE: NTS



12 TERRAVENT OVER FOOTING DETAIL
SCALE: NTS

13 TYPICAL VAPOR INTRUSION VENT PIPE ROOF PENETRATION
SCALE: NTS

14 TERRASHIELD TERMINATION SEQUENCE
SCALE: NTS

15 PENETRATION SEQUENCE
SCALE: NTS

16 TERRASHIELD REPAIR SEQUENCE
SCALE: NTS

17 TERRAVENT & PVC PIPE CROSSING
SCALE: NTS

ISSUED FOR REGULATORY REVIEW 05/16/23

REV. / ISSUE	DATE	DESCRIPTION
0	5/16/23	ISSUED FOR REG. REVIEW

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CONSULTANT

ORIENTATION / KEY PLAN

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JANOS M. SZEMAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 084542-1

4/6/2023
SIGNATURE DATE

CLIENT

PROJECT

EDGE ON HUDSON
DECICCO & SONS

1 & 3 LEGEND DRIVE
VILLAGE OF SLEEPY HOLLOW, WESTCHESTER COUNTY, NY

SHEET TITLE

VAPOR MANAGEMENT SYSTEM (VMS) DETAILS (1 OF 2)

PROJECT NO.:	08397.0001
DATE:	05-16-2023
DRAWN BY:	SKL
CHECKED BY:	JB/JMS
SCALE:	AS SHOWN
SHEET 2 OF 4	

SHEET NO.
VMS-02

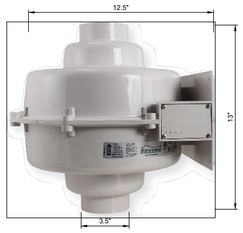
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TO BE PROVIDED AFTER INPUT FROM ARCHITECTS

NOTES:

1. THIS VERTICAL RISER DIAGRAM IS FOR SCHEMATIC PURPOSES ONLY. REFER TO ARCHITECTURAL AND MEP PLANS FOR VMS RISER DESIGN THROUGHOUT THE BUILDING ELEVATIONS.
2. REFER TO PLANS VMS-01 FOR VMS PIPING AND RISER LAYOUTS WITHIN THE GROUND FLOOR AND SUB-SLAB AREA.
3. CONTRACTOR TO FINAL COORDINATE PATH OF RISERS WITH ALL OTHER TRADES.

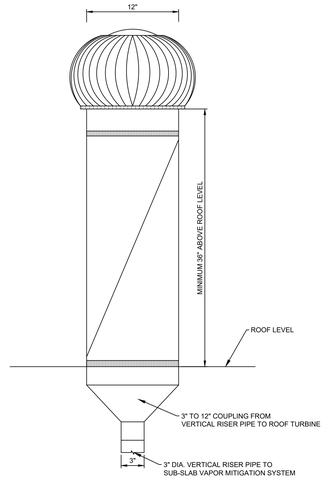
1 VAPOR MITIGATION SYSTEM VERTICAL RISER SCHEMATIC SECTIONS (TYP.)
SCALE: NTS



NOTES:

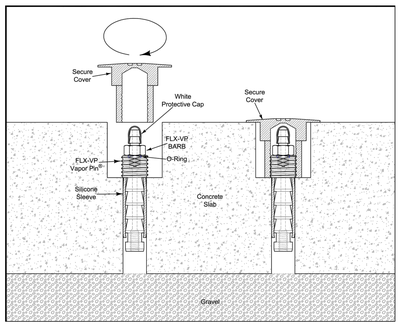
1. RADON FAN SHALL BE PRODUCT GP501 AS MANUFACTURED BY RADONAWAY OR APPROVED EQUAL. CONTRACTOR SHALL INSTALL FANS IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND SPECIFICATIONS.
2. RADON FANS SHALL BE LOCATED AT VERTICAL RISER PIPES.
3. THIS TYPICAL FAN DETAIL WAS PREPARED FOR THIS PROJECT'S VAPOR MANAGEMENT SYSTEM (VMS); WHERE, THIS RADONAWAY FAN AND ASSOCIATED FAN FAILURE ALARMS HAVE BEEN SPECIFIED, AN ENGINEER AND NYSDEC APPROVED EQUIVALENT WILL BE CONSIDERED AND MUST BE SUBMITTED TO AND APPROVED PRIOR TO INSTALLATION. THE CONTRACTOR'S FINAL RECORD OF CONSTRUCTION PLAN MUST DOCUMENT THE INSTALLED VMS FAN AND ASSOCIATED FAN FAILURE ALARM.
4. ALL VMS EXHAUST FANS MUST BE FITTED WITH FAN FAILURE ALARMS. THESE FAILURE ALARMS WILL BE TRIGGERED WHEN THE FAN SPEED FALLS BELOW THE VMS DESIGN THRESHOLD (I.E., LOSS OF EXHAUST FLOW) PRESET BY THE INSTALLING CONTRACTOR. THE FAILURE ALARM WILL IDENTIFY 1 OF THE FOLLOWING 3 CONDITIONS: 1. NORMAL OPERATING CONDITION; 2. A LOSS IN POWER (NO POWER) CONDITION; AND, 3. LOW FAN PRESSURE CONDITION. THE FAILURE ALARMS WILL PROVIDE A VISUAL LIGHT AND AUDIBLE ALARM THAT WILL BE DETECTED DURING THE PROPERTY MANAGEMENT STAFF ROUTINE BUILDING WALKS. IN THE EVENT OF A FAN FAILURE ALARM ACTIVATION AND IDENTIFICATION BY THE PROPERTY MANAGEMENT STAFF, A VISUAL INSPECTION OF THE SPECIFIC VMS EXHAUST FAN AND IDENTIFICATION OF POTENTIAL FAILURE MODE WILL BE PERFORMED AND A REPAIR SCHEDULE WILL BE INITIATED AND THEN CLOSED OUT IN A TIMELY MANNER.
5. WHEN VMS EXHAUST FANS ARE ACTIVE AND IN OPERATION, AN ALARM MUST BE INSTALLED TO PROVIDE A VISUAL LIGHT AND AUDIBLE ALARM TO ALERT PROPERTY MANAGEMENT STAFF OF A FAN FAILURE. IN THE EVENT OF A VMS EXHAUST FAN FAILURE AND THE VMS EXHAUST FAN ALARM IS TRIGGERED, THEN ALL OTHER VMS EXHAUST FANS MUST REMAIN OPERATIONAL WHILE THE VMS EXHAUST FAN FAILURE IS INVESTIGATED AND REPAIRED. THE FAILED VMS EXHAUST FAN MUST REMAIN IN THE VISUAL ALARM CONDITION (AUDIBLE ALARM SHUT OFF) UNTIL THE FAN IS INVESTIGATED, REPAIRED, AND RESET TO NORMAL OPERATING CONDITION. FURTHER, UNLESS THE FAILED VMS FAN IS REMOVED FOR REPAIR, IT MUST REMAIN IN THE OPEN CONDITION TO ALLOW PASSIVE AIR EXCHANGE.
6. A FAN FAILURE ALARM WILL BE INSTALLED AT EACH VMS EXHAUST FAN. THE FAN FAILURE ALARM WILL BE EITHER VMS VERTICAL RISER PIPE MOUNTED OR WALL MOUNTED AS APPROVED BY THE OWNER AND THE ENVIRONMENTAL ENGINEER. THE FAN FAILURE ALARM REQUIRES A 110 VOLT ELECTRIC SERVICE; HOWEVER, THE CONTRACTOR MUST CONFIRM.

2 RADONAWAY FAN DETAIL (RESERVED FOR FUTURE USE, IF NECESSARY)
SCALE: NTS

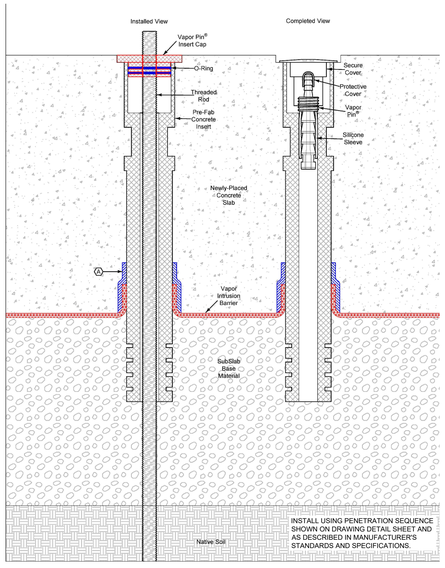


NOTE: PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE PROTECTED PER SECTION 714 OF THE 2020 BUILDING CODE OF NYS.

3 ROOFTOP TURBINE DETAIL
SCALE: NTS



4 FLX VAPOR PIN
SCALE: NTS



5 VAPOR PIN INSERT WITH CAP
SCALE: NTS

ISSUED FOR REGULATORY REVIEW 05/16/23

REV. / ISSUE	DATE	DESCRIPTION
0	5/16/23	ISSUED FOR REG. REVIEW

CONSULTANT

CONSULTANT

ORIENTATION / KEY PLAN

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JANOS M. SZEMAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 084542-1

4/6/2023
SIGNATURE DATE

CLIENT

PROJECT

EDGE ON HUDSON
DECICCO & SONS

1 & 3 LEGEND DRIVE
VILLAGE OF SLEEPY HOLLOW, WESTCHESTER COUNTY, NY

SHEET TITLE

VAPOR MANAGEMENT SYSTEM (VMS) DETAILS (2 OF 2)

PROJECT NO.: 08397.0001
DATE: 05-16-2023
DRAWN BY: SKL
CHECKED BY: JB/JMS
SCALE: AS SHOWN
SHEET 3 OF 4

SHEET NO.
VMS-03

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NOTES:

1. THIS PLAN SHALL NOT BE USED FOR STRUCTURAL, ARCHITECTURAL OR OTHER REFERENCE PURPOSES
   EXCEPT FOR THE VENTING SYSTEM AND VAPOR BARRIER.
2. COORDINATE ALL WORK FOR VENTING SYSTEM INSTALLATION WITH OTHER TRADES BEFORE INSTALLATION.
3. THE FULL EXTENTS OF THE BUILDING CONSTRUCTION BENEATH THE FLOOR SLABS SHALL BE LINED WITH GAS PERMEABLE AGGREGATE AND VAPOR BARRIER EXCEPT AS NOTED ON THIS DRAWING. ALL DEVIATIONS SHALL BE PROPOSED IN SHOP DRAWING SUBMITTALS PRIOR TO INSTALLATION IN THE FIELD.
4. ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED AGAINST ARCHITECTURAL AND BUILDING PLANS. NOTIFY ENGINEER OF ANY DISCREPANCY PRIOR TO CONSTRUCTION.

VMS GENERAL NOTES:

1. THE SUB-SLAB VAPOR BARRIER AND VAPOR MITIGATION SYSTEM SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH NYSDEC DIVISION OF ENVIRONMENTAL REMEDIATION (DER) AND MANUFACTURERS' REQUIREMENTS.
2. THE INSTALLATION CONTRACTOR MUST BE CERTIFIED TO INSTALL THE MATERIAL SPECIFIED AND SUB-SLAB VAPOR BARRIER AND PASSIVE DEPRESSURIZATION SYSTEM.
3. THE INSTALLATION CONTRACTOR MUST COORDINATE WITH CONSTRUCTION CONTRACTOR.
4. THE CONTRACTOR SHALL IMPLEMENT ALL QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES AND TESTS DESCRIBED IN THE SPECIFICATIONS. COMPLETION OF THE SUBSLAB VAPOR MITIGATION SYSTEM WILL BE CERTIFIED BY THE ENGINEER.
5. THE VAPOR MANAGEMENT SYSTEM (VMS) IS REQUIRED UNDER ALL GROUND FLOOR OCCUPIED SPACES OF THE PLANNED BUILDING, REFER TO THE CURRENT ARCHITECTURAL PLANS. FURTHER, THE VMS VAPOR BARRIER, NITRA-SEAL® OR APPROVED EQUAL, WILL BE INSTALLED UNDER THE ENTIRE FOOTPRINT OF THE PROPOSED BUILDINGS.
6. THIS PLAN IS TO BE USED FOR INSTALLATION OF THE SUB SLAB VAPOR MITIGATION SYSTEM ONLY. PLEASE REFER TO SEPARATE ARCHITECTURAL AND CIVIL PLANS AS NECESSARY.
7. MATERIALS OR EQUIPMENT USED FOR VAPOR BARRIERS, FANS OR TURBINES SHOULD BE AS SHOWN ON THE DETAIL SHEETS VMS-02 AND VMS-03. ALTERNATES WILL NEED TO BE PROPOSED TO THE ENGINEER IN WRITING FOR APPROVAL.

VMS PRODUCTS:

1. GRAVEL BEDDING MATERIALS
   A. GENERAL: PROVIDE A 4-INCH MINIMUM THICKNESS OF GRAVEL BEDDING MATERIALS.
2. VENTILATION MATING MATERIALS AND RADON MITIGATION SYSTEMS
   A. MATERIALS: A CONTINUOUS VAPOR BARRIER NOT LESS THAN 40-MIL HDPE LINEAR SEALED, OR OTHER APPROVED MATERIALS, MUST BE INSTALLED UNDER THE CONCRETE SLAB OF BASEMENT, SLAB-ON-GRADE AND CRAWLSPACE CONSTRUCTION.
3. SUBSLAB VAPOR MITIGATION SYSTEM
   A. THE CONTRACTOR MUST USE A MANUFACTURER-TRAINED AND CERTIFIED INSTALLER TO PERFORM THE FOLLOWING TASKS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS:
      - CONCRETE SURFACE PREPARATION
      - PREPARATIONS AND TREATMENT OF TERMINATIONS
      - PREPARATIONS AND TREATMENT OF PENETRATIONS
      - NITRA-SEAL BASE LAYER INSTALLATION
      - NITRA-SEAL CORE APPLICATION
      - NITRA-SEAL BOND PROTECTION COURSE INSTALLATION
4. QUALITY ASSURANCE: THE NITRA-SEAL SYSTEM MUST BE INSTALLED BY A TRAINED AND CERTIFIED INSTALLER APPROVED BY LAND SCIENCE TECHNOLOGIES AND IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
   A. COLLECTION VENTILATION PIPING: POLYVINYL CHLORIDE (PVC) SCHEDULE 40 TYPE DWZ, ASTM 1785. MINIMUM BRANCH PIPE SIZE MUST BE 3-INCH DIAMETER. MINIMUM HEADER SIZE MUST BE 6 INCHES.
   B. GENERAL VENTILATION PIPING ALIGNMENT AS SHOWN ON THE DRAWINGS C-01 AND C-02.
   C. FITTINGS AND FLANGES: POLYVINYL CHLORIDE (PVC) SCHEDULE 40 TYPE DWZ. SOCKET TYPE FITTINGS, ASTM 2665.
   D. SOLVENT FOR PVC JOINTS: ASTM D-2564
5. UNDER SLAB MOISTURE/VAPOR BARRIER
   A. PROVIDE UNIFORM THICKNESS (6-INCH MINIMUM) OF GRAVEL BEDDING MATERIALS IN ALL SLAB AREAS BELOW HABITABLE INDOOR AREAS.
   B. VMS VAPOR BARRIER MATERIALS, NITRA-SEAL® OR APPROVED EQUAL, MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO THE VMS BARRIER NOTES.
6. INSTALLATION OF ABOVE-SLAB VENTILATION PIPING SYSTEMS
   A. PVC VENT PIPING MUST BE ATTACHED TO A FLANGED BASE AND SET ON TOP OF THE VAPOR BARRIER. ANCHOR AND SECURE VENTILATION PIPE TO VAPOR BARRIER MATERIAL WITH SPIKES DRIVEN THROUGH PIPE FLANGE INTO THE GROUND AND EXTEND ABOVE PIPE SLAB FOR EXTENSION.
   B. ALL VMS VENT PIPING MUST RECEIVE A FULL BEAD OF SEALANT AROUND THE PERIMETER OF THE PIPE WHERE THE PIPE PENETRATES THE FOUNDATION.
   C. ALL VENTILATION PIPING MUST BE INSTALLED AS A "PASSIVE" SYSTEM WITHOUT IN-LINE FANS. IF NECESSARY, THE "PASSIVE" SYSTEM MUST BE PROVIDED WITH IN-LINE FANS IN ORDER TO CONVERT THE SYSTEM TO AN "ACTIVE" SYSTEM.
   D. THE PASSIVE SYSTEM MUST BE INSTALLED WITH THE ABILITY TO BE READILY CONVERTED TO AN ACTIVE SYSTEM.

VMS BARRIER NOTES:

1. NITRA-SEAL® VAPOR INTRUSION BARRIER FLUID-APPLIED GAS BARRIER, OR APPROVED EQUAL, IS PROPOSED UNDER THE ENTIRE PROPOSED BUILDING FOOTPRINT.
2. GENERAL: PROVIDE A VAPOR INTRUSION BARRIER SYSTEM THAT PREVENTS THE PASSAGE OF METHANE GAS AND/OR VOLATILE ORGANIC COMPOUND VAPORS AND COMPLIES WITH PHYSICAL REQUIREMENTS AS DEMONSTRATED BY TESTING PERFORMED BY AN INDEPENDENT TESTING AGENCY OF MANUFACTURER'S CURRENT VAPOR INTRUSION BARRIER FORMULATIONS AND SYSTEM DESIGN.
3. CONTRACTOR SUBMITTALS: SUBMIT PRODUCT DATA FOR EACH TYPE OF VAPOR INTRUSION BARRIER, INCLUDING MANUFACTURER'S PRINTED INSTRUCTIONS FOR EVALUATING AND PREPARING THE SUBSTRATE, TECHNICAL DATA, AND TESTED PHYSICAL AND PERFORMANCE PROPERTIES.
4. CONTRACTOR SUBMITTALS: PROJECT DATA - SUBMIT SHOP DRAWINGS SHOWING EXTENT OF VAPOR INTRUSION BARRIER, INCLUDING DETAILS FOR OVERLAPS, FLASHING, PENETRATIONS, AND OTHER TERMINATION CONDITIONS.
5. GENERAL WARRANTY: THE SPECIAL WARRANTY SPECIFIED IN THIS ARTICLE MUST NOT DEPRIVE THE OWNER OF OTHER RIGHTS THE OWNER MAY HAVE UNDER OTHER PROVISIONS OF THE CONTRACT DOCUMENTS, AND MUST BE IN ADDITION TO, AND RUN CONCURRENT WITH, OTHER WARRANTIES MADE BY THE CONTRACTOR UNDER REQUIREMENTS OF THE CONTRACT DOCUMENTS.
6. SPECIAL WARRANTY: SUBMIT A WRITTEN WARRANTY SIGNED BY VAPOR INTRUSION BARRIER MANUFACTURER AGREEING TO REPAIR OR REPLACE VAPOR INTRUSION BARRIER THAT DOES NOT MEET REQUIREMENTS OR THAT DOES NOT REMAIN METHANE GAS AND/OR VOLATILE ORGANIC COMPOUND VAPOR TIGHT WITHIN THE SPECIFIED WARRANTY PERIOD. WARRANTY DOES NOT INCLUDE FAILURE OF VAPOR INTRUSION BARRIER DUE TO FAILURE OF SUBSTRATE PREPARED AND TREATED ACCORDING TO REQUIREMENTS OR FORMATION OF NEW JOINTS AND CRACKS IN THE ATTACHED TO STRUCTURES THAT EXCEED 1/16 INCH (1.58 MM) IN WIDTH.
7. INSTALLER QUALIFICATIONS: THE CONTRACTOR SHALL ENGAGE AN EXPERIENCED INSTALLER WHO HAS BEEN TRAINED AND CERTIFIED IN WRITING BY THE MEMBRANE MANUFACTURER, LAND SCIENCE TECHNOLOGIES™, FOR THE INSTALLATION OF THE NITRA-SEAL® SYSTEM.
8. MANUFACTURER QUALIFICATION: OBTAIN VAPOR INTRUSION BARRIER MATERIALS AND SYSTEM COMPONENTS FROM A SINGLE MANUFACTURER SOURCE, LAND SCIENCE TECHNOLOGIES.
9. DELIVER MATERIALS TO PROJECT SITE AS SPECIFIED BY MANUFACTURER LABELED WITH MANUFACTURER'S NAME, PRODUCT BRAND NAME AND TYPE, DATE OF MANUFACTURE, SHELF LIFE, AND DIRECTIONS FOR STORING AND MIXING WITH OTHER COMPONENTS.
10. STORE MATERIALS AS SPECIFIED BY THE MANUFACTURER IN A CLEAN, DRY, PROTECTED LOCATION AND WITHIN THE TEMPERATURE RANGE REQUIRED BY MANUFACTURER. PROTECT STORED MATERIALS FROM DIRECT SUNLIGHT. IF FREEZING TEMPERATURES ARE EXPECTED, NECESSARY STEPS SHOULD BE TAKEN TO PREVENT THE FREEZING OF THE NITRA-CORE AND NITRA-SEAL CORE DETAIL COMPONENTS.
11. PROTECT ALL ADJACENT AREAS NOT TO BE INSTALLED ON. WHERE NECESSARY, APPLY MASKING TO PREVENT STAINING OF SURFACES TO REMAIN EXPOSED WHEREVER MEMBRANE ABUTS TO OTHER FINISH SURFACES.
12. PERFORM WORK ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS ARE WITHIN MANUFACTURER'S RECOMMENDATIONS FOR THE MATERIAL AND APPLICATION METHOD USED.
13. MINIMUM CLEARANCE OF 24 INCHES IS REQUIRED FOR APPLICATION OF PRODUCT. FOR AREAS WITH LESS THAN 24-INCH CLEARANCE, THE MEMBRANE MAY BE APPLIED BY HAND USING NITRA-SEAL CORE DETAIL.
14. AMBIENT TEMPERATURE MUST BE WITHIN MANUFACTURER'S SPECIFICATIONS. (GREATER THAN +45ºF/+7ºC.) CONSULT MANUFACTURER FOR THE PROPER REQUIREMENTS WHEN DESIRING TO APPLY NITRA-SEAL CORE BELOW 45ºF/7ºC.
15. ALL PLUMBING, ELECTRICAL, MECHANICAL AND STRUCTURAL ITEMS TO BE UNDER OR PASSING THROUGH THE VAPOR INTRUSION BARRIER SYSTEM MUST BE POSITIVELY SECURED IN THEIR PROPER POSITIONS AND APPROPRIATELY PROTECTED PRIOR TO MEMBRANE APPLICATION.
16. VAPOR INTRUSION BARRIER MUST BE INSTALLED BEFORE PLACEMENT OF FILL MATERIAL AND REINFORCING STEEL. WHEN NOT POSSIBLE, ALL EXPOSED REINFORCING STEEL MUST BE MASKED BY GENERAL CONTRACTOR PRIOR TO MEMBRANE APPLICATION.
17. STAKES USED TO SECURE THE CONCRETE FORMS MUST NOT PENETRATE THE VAPOR INTRUSION BARRIER SYSTEM AFTER IT HAS BEEN INSTALLED. IF STAKES NEED TO PUNCTURE THE VAPOR INTRUSION BARRIER SYSTEM AFTER IT HAS BEEN INSTALLED, THE NECESSARY REPAIRS NEED TO BE MADE BY A CERTIFIED NITRA-SEAL APPLICATOR. TO CONFIRM THE STAKING PROCEDURE IS IN AGREEMENT WITH THE MANUFACTURES RECOMMENDATION, CONTACT LAND SCIENCE TECHNOLOGIES.
18. SUBGRADE SURFACE PREPARATION: VERIFY THAT SUBSTRATE IS PREPARED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. ON A HORIZONTAL SURFACE, THE SUBSTRATE SHOULD BE FREE FROM MATERIAL THAT CAN POTENTIALLY PUNCTURE THE VAPOR INTRUSION BARRIER. ADDITIONAL PROTECTION OR CUSHION LAYERS MIGHT BE REQUIRED IF THE EARTH OR GRAVEL SUBSTRATE CONTAINS TOO MANY JAGGED POINTS AND EDGES THAT COULD PUNCTURE ONE OR MORE OF THE SYSTEM COMPONENTS. CONTACT MANUFACTURER TO CONFIRM SUBSTRATE IS WITHIN MANUFACTURER'S RECOMMENDATIONS. NITRA-SEAL CAN ACCOMMODATE A WIDE RANGE OF SUBSTRATES, INCLUDING BUT NOT LIMITED TO COMPACTED EARTH, SAND, AGGREGATE, AND MUDSLABS. REFER TO MANUFACTURER'S SPECIFICATIONS.

ISSUED FOR REGULATORY REVIEW 05/16/23

REV. / ISSUE	DATE	DESCRIPTION
0	5/16/23	ISSUED FOR REG. REVIEW

CONSULTANT

CONSULTANT

ORIENTATION / KEY PLAN

PAULUS, SOKOLOWSKI AND SARTOR ENGINEERING, P.C.
ONE LARKIN PLAZA
2ND FLOOR
YONKERS, NEW YORK 10701
PHONE: (914) 509-8600

IT IS A VIOLATION OF NYS EDUCATION LAW, ARTICLE 145 SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

ALL DIMENSIONS MUST BE VERIFIED BY THE CONTRACTOR. NOTIFY PAULUS, SOKOLOWSKI AND SARTOR ENGINEERING, PC. OF ANY CONFLICTS, ERRORS, AMBIGUITIES OR DISCREPANCIES IN THE CONTRACT DRAWINGS OR SPECIFICATIONS BEFORE PROCEEDING WITH CONSTRUCTION.

ALL DIMENSIONS SHALL BE AS NOTED IN WORDS OR NUMBERS ON THE CONTRACT DRAWINGS. DO NOT SCALE THE DRAWINGS TO DETERMINE DIMENSIONS.

THESE CONTRACT DRAWINGS CONTAIN DATA INTENDED SPECIFICALLY FOR THE NOTED PROJECT AND SITE ONLY. THEY ARE NOT INTENDED FOR USE ON EXTENSIONS OF THIS PROJECT OR FOR REUSE ON ANY OTHER PROJECT.

THE COPYING AND/OR MODIFICATION OF THIS DOCUMENT OR ANY PORTION THEREOF WITHOUT THE WRITTEN PERMISSION OF PAULUS, SOKOLOWSKI AND SARTOR ENGINEERING, PC. IS PROHIBITED.

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JANOS M. SZEMAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 084542-1

4/6/2023
SIGNATURE DATE

CLIENT

PROJECT

EDGE ON HUDSON
DECICCO & SONS

1 & 3 LEGEND DRIVE
VILLAGE OF SLEEPY HOLLOW, WESTCHESTER COUNTY, NY

SHEET TITLE

VAPOR MANAGEMENT SYSTEM (VMS) NOTES

PROJECT NO.: 08397.0001
DATE: 05-16-2023
DRAWN BY: SKL
CHECKED BY: JB/JMS
SCALE: AS SHOWN
SHEET 4 OF 4

SHEET NO.
VMS-04

C:\Users\...\Documents\08397.0001_Edge on Hudson_Sleepy Hollow_VMS_R21_detailed_LAST EDIT - 05/16/2023 - 09:19:38 PM - [JOSH Skinner]

Attachment B

SSDS As-Built

Education

Energy Utility

Healthcare

Public Works

Real Estate

Science & Technology

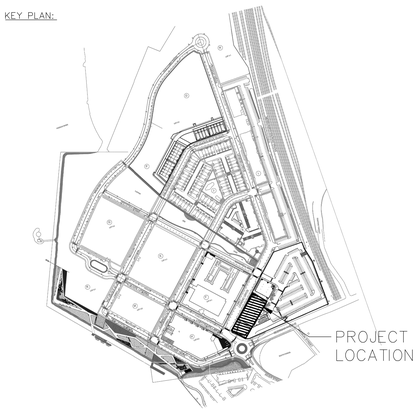
One Larkin Plaza
2nd Floor
Yonkers, NY 10701

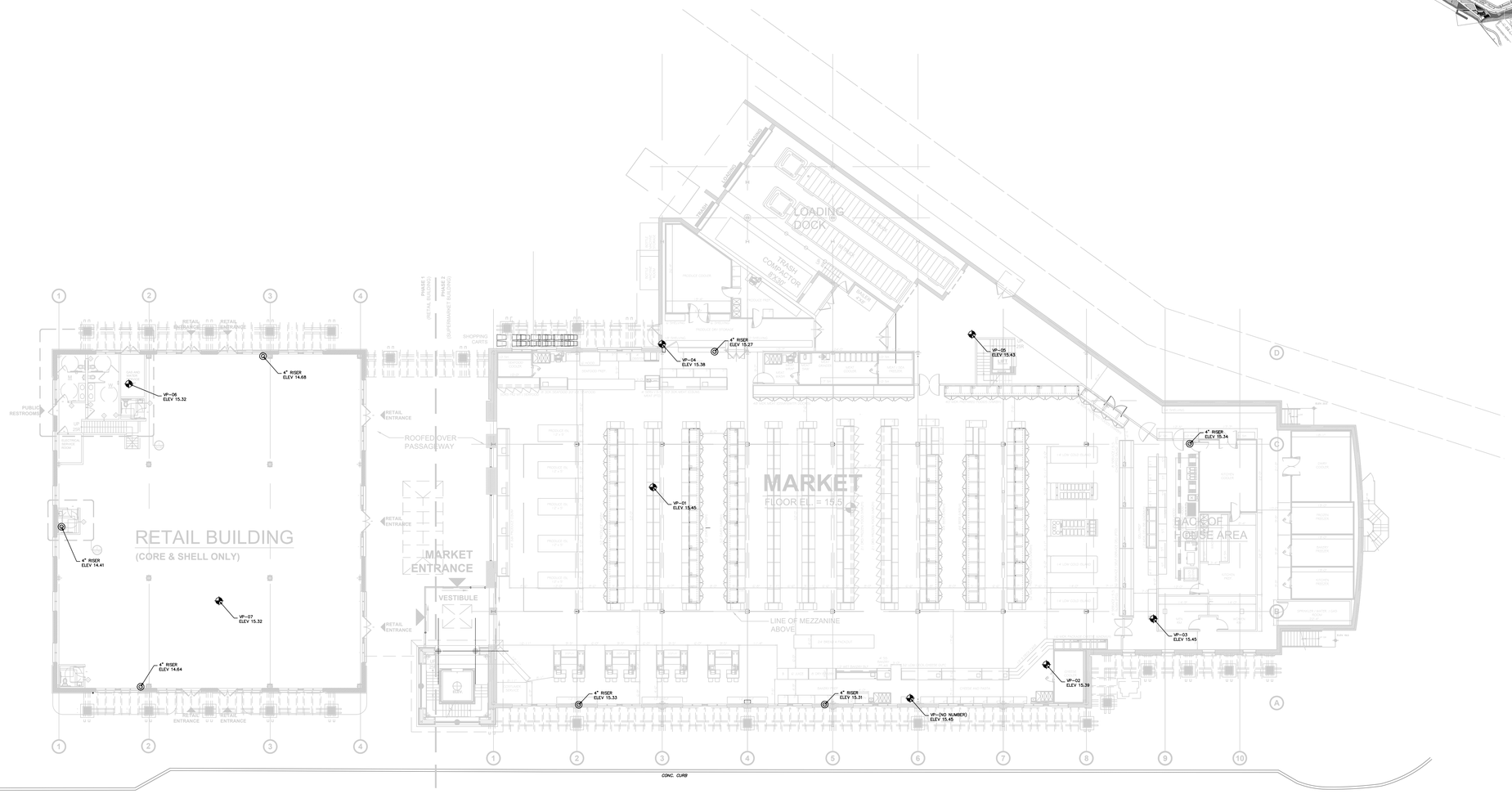
t. 914.509.8600

www.psands.com

N.T.S.P.C.S.
NAD 83
(EAST ZONE)

KEY PLAN:





LEGEND DRIVE

NOTES:

1. HORIZONTAL DATUM IS BASED ON NEW YORK STATE PLANE COORDINATE SYSTEM, NAD–1983 (EAST ZONE).
2. VERTICAL DATUM IS BASED ON NORTH AMERICAN VERTICAL DATUM, NAVD–88.
3. AS–BUILT INFORMATION SHOWN HEREON WAS FIELD VERIFIED BY PAULUS, SOKOLOWSKI AND SARTOR, ENGINEERING, P.C. DURING AUGUST 2024.
4. THIS VAPOR MANAGEMENT SYSTEM RECORD OF CONSTRUCTION PLAN SERVES TO REPRESENT THE VMS CONSTRUCTION PROGRESS AS OF AUGUST 2024. THIS RECORD PLAN DOCUMENTS THE VMS RECORD OF CONSTRUCTION CONDITION BELOW THE BUILDING'S GROUND FLOOR REINFORCED CONCRETE FLOOR SLAB.
5. THE REQUIRED VMS VERTICAL RISER EXTENSIONS BEYOND THE GROUND SLAB ELEVATION AND THE ASSOCIATED VAPOR MONITORING SYSTEM ARE UNDER CONSTRUCTION AND WILL BE DOCUMENTED UNDER SEPARATE COVER.

REFERENCES:

1. MAP ENTITLED "EDGE ON HUDSON DECICCO & SONS, 1 & 3 LEGEND DRIVE, VILLAGE OF SLEEPY HOLLOW, WESTCHESTER COUNTY, NY. VAPOR MANAGEMENT SYSTEM (VMS) PLAN. DATED 05/16/2023. PREPARED BY PAULUS, SOKOLOWSKI AND SARTOR, ENGINEERING, P.C.

LEGEND

- 4" RISER PIPE AND DESIGNATION
- VAPOR PIN AND DESIGNATION

GRAPHIC SCALE

15 0 7.5 15 30 60

(IN FEET)
1 inch = 15 ft.

REV. / ISSUE	DATE	DESCRIPTION

CONSULTANT

CONSULTANT

ORIENTATION / KEY PLAN

PAULUS, SOKOLOWSKI AND SARTOR ENGINEERING, P.C.
ONE LARKIN PLAZA
2ND FLOOR
YONKERS, NEW YORK 10701
PHONE: (914) 509-8600

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JANOS M. SZEMAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 084542–1

SIGNATURE DATE

CLIENT

PROJECT

EDGE ON HUDSON
DECICCO & SONS

1 & 3 LEGEND DRIVE
VILLAGE OF SLEEPY HOLLOW, WESTCHESTER COUNTY, NY

SHEET TITLE

VAPOR MITIGATION SYSTEM
RECORD OF CONSTRUCTION
LOCATION PLAN

PROJECT NO.:	08397.0001
DATE:	09–04–2024
DRAWN BY:	BTF/SL
CHECKED BY:	BJ/JMS
SCALE:	AS SHOWN
SHEET	1 OF 1

SHEET NO.

1 OF 1

FILE NAME: \\vmware-host\Shared Folders\Documents\08397.0001 - Edge on Hudson\Drawings\08397.0001 - Edge on Hudson.dwg LAST REVISED BY: SL (09/18/2024 - 10:43:32 AM) LOGIN: sleung

Attachment C

PS&S Smoke Test Logs

Education

Energy Utility

Healthcare

Public Works

Real Estate

Science & Technology

One Larkin Plaza
2nd Floor
Yonkers, NY 10701

t. 914.509.8600

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Land Science™ Technologies

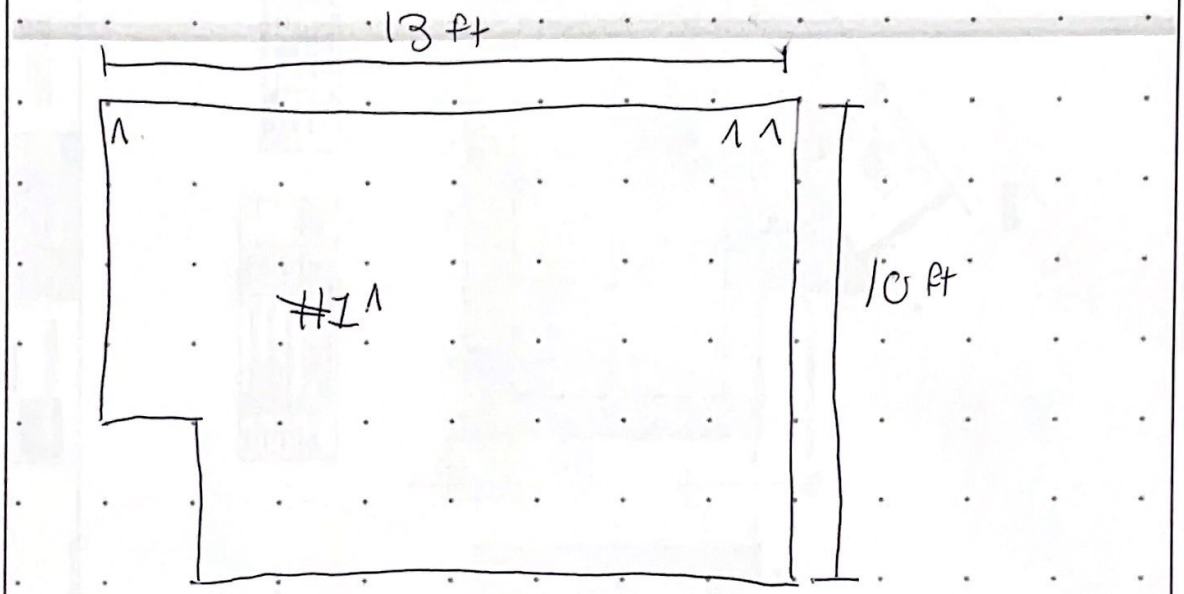
Land Science VMS Membrane Testing Log

Project Name	Edge on Hudson	Date	1/18/24
Inspector Name	Alex Cheretti	Time	1:23
Location	Decico Market	Temperature	28°F
Weather Conditions	Cloudy	Barometric Pressure	30.15

Building Square footage	29,893	Gallons Used	
Square footage for this report	130	Square feet per gallon	

Coupon Samples Taken	1	Smoke Test Conducted	1
Coupon Samples Under the Specified Thickness	8	Duration of Smoke Test	10 min
Coupon Samples Marked for Repair	8	Number of Areas Needed for Repair	4

Indicate Areas Marked for Repair: (#) Coupon Sample Repair (^) Smoke Test Repair (*) Thickness measurement repair



Comments: #Coupon Sample ST=Smoke test location ^=leaks detected
Coupon Sample measurements: #1 = 45mm (1.7in.)
4 leaks were identified, resealed, retested, and passed.

Signature

Report (|) or (|)

Land Science™ Technologies

Land Science VMS Membrane Testing Log

Project Name	Edge Oil Hudson	Date	2/22/24
Inspector Name	Alexander Charette	Time	11:38am
Location	Decircos SW Fridge Area	Temperature	39°F
Weather Conditions	Partly Cloudy	Barometric Pressure	30.02

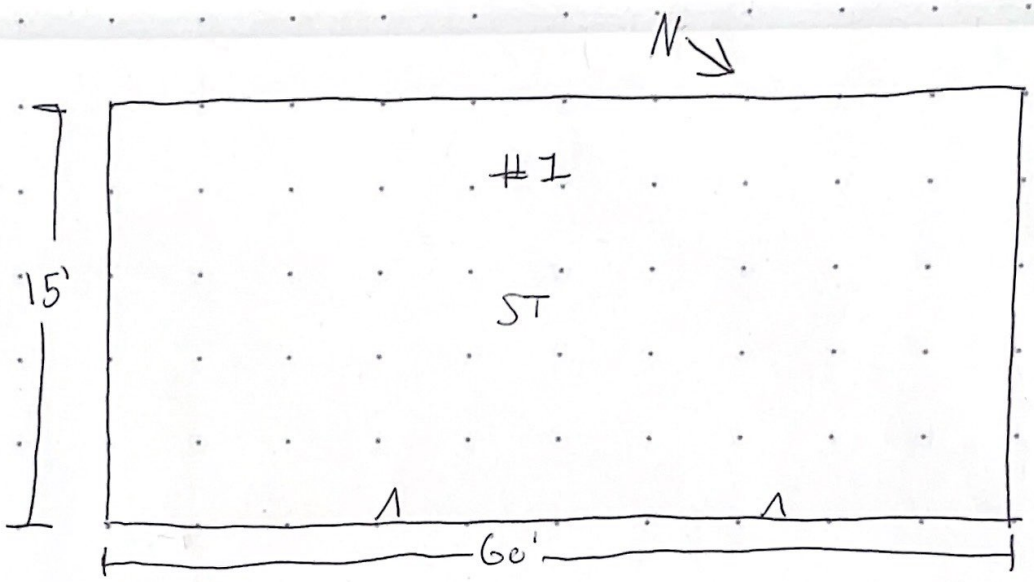
Building Square footage	29,893
Square footage for this report	900

Gallons Used	
Square feet per gallon	

Coupon Samples Taken	1
Coupon Samples Under the Specified Thickness	0
Coupon Samples Marked for Repair	0

Smoke Test Conducted	1
Duration of Smoke Test	12 min.
Number of Areas Needed for Repair	2

Indicate Areas Marked for Repair: (#) Coupon Sample Repair (^) Smoke Test Repair (*) Thickness measurement repair



Comments: #(coupon sample ST=Smoke test location ^=leak detected
Coupon sample measurements: #1 = 45mm (1.71 in.)
2 leaks were detected/identified, reseamed, retested, and passed

Signature

Report ( ) or ( )

Attachment D

Smoke Test Photo Log

Education

Energy Utility

Healthcare

Public Works

Real Estate

Science & Technology

One Larkin Plaza
2nd Floor
Yonkers, NY 10701

t. 914.509.8600

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EDGE ON HUDSON – BLOCK A – DECICCO & SONS

Sleepy Hollow, New York

Education

Energy Utility

Healthcare

Public Works

Real Estate

Science & Technology

SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) INSTALLATION – RETAIL BUILDING

PHOTO LOG

One Larkin Plaza
2nd Floor
Yonkers, NY 10701

t. 914.509.8600

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Figure 1 – SSDS Installation 1/18/2024



Figure 2 – SSDS Installation 2/22/2024



Figure 3 – SSDS 2/22/2024

Attachment F

Contractor Warranty

Education

Energy Utility

Healthcare

Public Works

Real Estate

Science & Technology

One Larkin Plaza
2nd Floor
Yonkers, NY 10701

t. 914.509.8600

www.psands.com

BUDGET MAINTENANCE CONCRETE SERVICES INC.

800A Industrial Highway, Pottstown PA 19464

September 10, 2024

RE: Edge of Hudson Retail

1 Legend Dr.

Sleepy Hollow, NY 10591

To whom it may concern,

From October 2023 through March 2024 Budget Maintenance installed the Land Science TerraShield vapor mitigation membrane with venting under the concrete slab on the Retail Building and the Market Building. The membrane was installed according to manufacturer's and PS & S specifications and details. Successful smoke tests were performed, in locations identified on the attached plan to verify there were no leaks in the system.

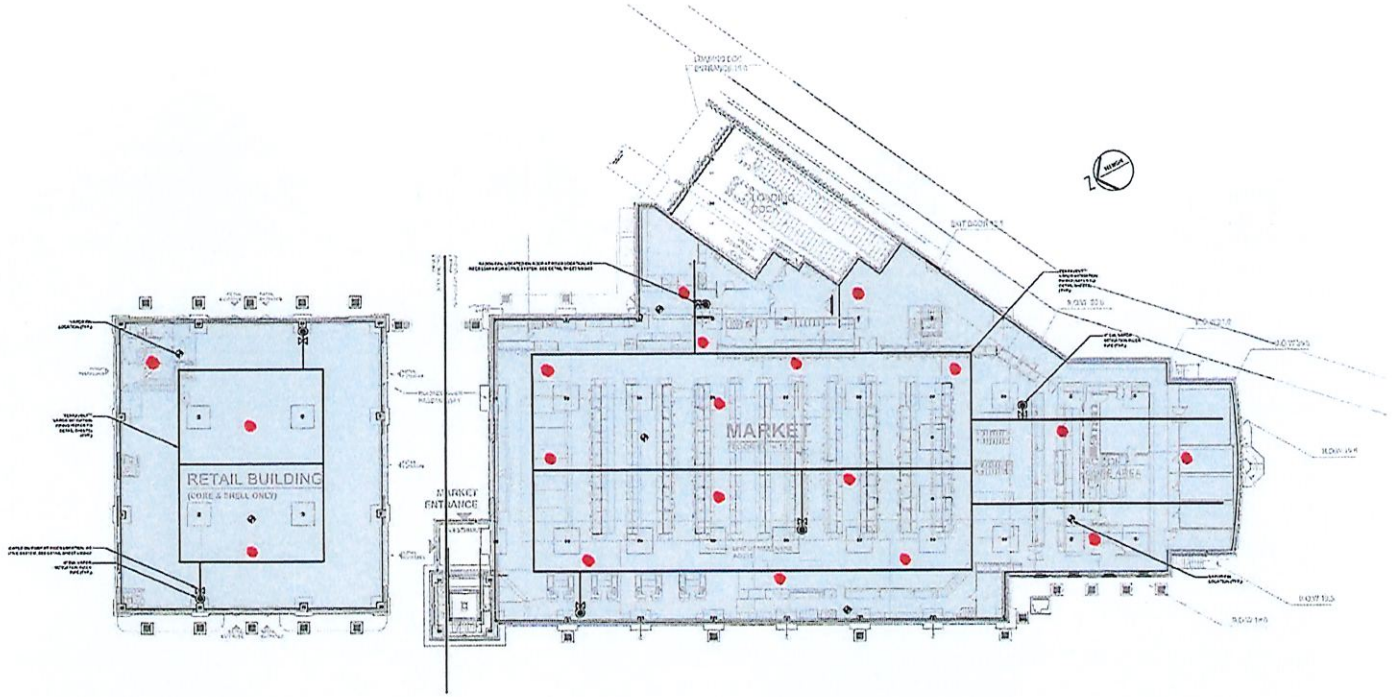
Respectfully,

Gregory Delp

Manager – Building Envelope Division

Budget Maintenance, Inc.

SMOKE TEST LOCATIONS



NOTES:

1. FLOOR PLAN AND FOUNDATION INFORMATION SHOWN HEREON WAS RECEIVED FROM DECICCO & SONS IN ELECTRONIC FORMAT ON APRIL 6, 2023.
2. THE VAPOR MITIGATION SYSTEM (VMS) LAYOUT IS PRELIMINARY, APPROXIMATE LOCATIONS TO BE FIELD DETERMINED BY CONTRACTOR, ENGINEER (P.E.) AND ARCHITECT.
3. REFER TO ARCHITECTURAL AND MEP PLANS FOR INFORMATION AND VERTICAL LAYOUT OF RISERS AND VENTS DISCHARGING TO THE ROOF.
4. ALL UTILITIES AND PILES SHOWN HEREON ARE APPROXIMATE. CONFIRM ICON TO VERIFY LOCATION OF BUILDING UTILITIES WITH ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.
5. VMS UTILITY CROSSINGS WILL BE COORDINATED WITH THE SPRINKLER AND CONTRACTOR.
6. THE VAPOR MANAGEMENT SYSTEM (VMS) IS REQUIRED UNDER ALL GROUND FLOOR INHABITABLE SPACE OF THE PLANNED BUILDINGS. REFER TO THE CURRENT ARCHITECTURAL PLANS AS IDENTIFIED ABOVE. FURTHER, THE VAPOR BARRIER, TERRA SHIELD® OR APPROVED EQUAL, MUST BE INSTALLED UNDER THE ENTIRE FOOTPRINT OF THE PROPOSED BUILDINGS. REFER TO THE TYPICAL SITE DETAILS ON SHEETS VMS-02 THROUGH VMS-04.
7. THE CONTRACTOR MUST USE A MANUFACTURER TRAINED AND CERTIFIED INSTALLATION TO INSTALL THE VAPOR MANAGEMENT SYSTEM (VMS) IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE CONTRACTOR MUST WORK WITH THE ARCHITECT AND ENGINEER TO PREPARE AS-BUILT & RECORD OF CONSTRUCTION SURVEY OF THE INSTALLED VMS.

GRAPHIC SCALE

0 5 10 20 30

(FEET)
1 inch = 15 ft.

LEGEND

- VAPOR MITIGATION PIPING
- VAPOR PIN LOCATION
- 4" DIA. RISER PIPE AND DESIGNATION
- RADON FAN OR ROOF AT RISER PIPE LOCATION, AS NECESSARY FOR AN ACTIVE SYSTEM

TABLE 1: VMS PLAN SET DRAWING LIST

SHEET	SHEET TITLE	DATE	REVISION
VMS-01	VAPOR MITIGATION SYSTEM (VMS) PLAN	04/06/2023	
VMS-02	VAPOR MITIGATION SYSTEM (VMS) DETAILS (1 OF 2)	04/06/2023	
VMS-03	VAPOR MITIGATION SYSTEM (VMS) DETAILS (2 OF 2)	04/06/2023	
VMS-04	VAPOR MITIGATION SYSTEM (VMS) NOTES	04/06/2023	

TABLE 2: GROUND FLOOR SUMMARY

BUILDING	BUILDING GROUND FLOOR AREA	MULTI-LAYER 6 MIL VAPOR BARRIER, VAPOR VENTS & VERTICAL RISERS
RETAIL	9,634 SF.	9,634 SF.
MARKETPLACE	29,610 SF.	24,533 SF.

SF. = SQUARE FEET
1. ARCHITECTURAL FLOOR PLANS PROVIDED BY DECICCO & SONS.

REV. / ISSUE	DATE	DESCRIPTION

CONSULTANT

CONSULTANT

ORIENTATION / KEY PLAN

ONE LARKIN PLAZA
SUITE 1D1A
YONKERS, NEW YORK 10701
PHONE: (914) 968-8500

CLIENT

PROJECT

EDGE ON HUDSON
DECICCO & SONS

SHEET TITLE

PROJECT NO: 6636TMVS
DATE: 04/06/2023
DRAWN BY: SHL
CHECKED BY: JMVP3
SCALE: AS SHOWN
SHEET: OF: 4
SHEET NO:

Land Science
a division of REGENESIS®

Terra-Shield

MATERIAL WARRANTY

REFUND OR REPLACE

Limited Warranty:

LAND SCIENCE®[1] warrants to DeCicco & Sons ("Customer") that its products conform to LAND SCIENCE's published specifications, and are free from defects, as of date of product installation. In addition, Land Science warrants the products to Customer for 1-year, commencing on the date product installation is completed. This warranty shall be non-prorated. In order for this warranty to apply, all of the following conditions must be met: (i)the warranted project must be registered and accepted by LAND SCIENCE in writing, prior to application of any LAND SCIENCE product; (ii) all product must be installed by a LAND SCIENCE Certified Applicator; (iii) all fees and costs relating to this Warranty must have been received by LAND SCIENCE not later than [thirty (30)] days following the commencement date; and (iv) the Claims Procedure and Time Limitations set forth below must have been strictly followed. This warranty is not transferable by Customer, without the written consent of LAND SCIENCE.

LAND SCIENCE's warranty shall not cover, and LAND SCIENCE shall not be obligated to refund or provide replacement material for, any leaks caused by events beyond its control, including but not limited to structural defects; damage to barrier during construction, building alterations; incomplete construction; damage, alterations, or intrusions into any part of the materials (System) after installation (e.g. openings for pipes, cables, ducts, etc.); the use of expansion or contraction devices in the design of the structure; or alterations to the installed System by subcontractors or others; explosions; earthquakes; or other natural phenomena or acts of God. The integrity of expansion joints is the responsibility of expansion manufacturers or others and not covered by this warranty.

[1] Land Science is a division of REGENESIS Bioremediation Products

Disclaimer of Other Warranties:

NO OTHER WARRANTIES ARE MADE REGARDING THIS SYSTEM, THE PRODUCTS CONTAINED THEREIN, OR THE SERVICES PROVIDED BY LAND SCIENCE OR ITS CERTIFIED APPLICATOR, WHETHER EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Unless this warranty is modified in writing and signed by both parties, this warranty is the complete and exclusive agreement between the parties with respect to warranty by LAND SCIENCE.

Limitation on Remedies:

Should the System not perform as warranted hereunder, Buyer's exclusive remedy, shall be limited to (i) replacing the product (without installation) or (ii) refunding the cost, of the product in the defective area of the System at LAND SCIENCE's option. IN NO EVENT SHALL LAND SCIENCE BE LIABLE FOR ANY SPECIAL, PUNITIVE, INCIDENTAL, OR CONSEQUENTIAL DAMAGES BASED UPON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT, OR ANY OTHER LEGAL THEORY. SUCH DAMAGES INCLUDE, BUT ARE NOT LIMITED TO, LOSS OF PROFITS, DELAY, LOSS OF USE, CLAIMS OF THIRD PARTIES, OR DAMAGE TO PROPERTY. No waiver by LAND SCIENCE of any limitation, term or condition of this warranty shall operate as a waiver of any other limitation, term or condition applicable to the claim or to any future claim whether of like or different nature.

Claims Procedure and Time Limitations:

If a defect is discovered that is believed to be covered by this warranty, then written notice must be provided to LAND SCIENCE 1011 Calle Sombra, San Clemente, CA 92673. This notice must be received by LAND SCIENCE within 30 days after the discovery, time being of the essence. Upon receipt of such notification, LAND SCIENCE will initiate a prompt investigation of the claim and perform its obligations, if any, as stated herein. Any controversy or claim arising out of or relating to this warranty, or the breach thereof, shall be settled by arbitration administered by Judicial Arbitration and Mediation Services (JAMS) in accordance with its Engineering and Construction Arbitration Rules & Procedures in the regional office nearest Orange County, CA, and judgment on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. Any arbitration or any other action for breach of warranty must be

commenced within 1 year following discovery of the defect or leak (and may only be commenced after proper notice to LAND SCIENCE as set forth herein).

CUSTOMER	CERTIFIED APPLICATOR
Name: DeCicco & Sons	Budget Maintenance
43 Fifth Ave. Pelham, NY 10803	800 Industrial Hwy Pottstown, PA 19464

Site Address: Edge of Hudson Retail
1 Legend Dr. Sleepy Hollow NY 10591

This warranty is not valid unless signed and registered by LAND SCIENCE:

APPROVED BY: Ryan Miller

WARRANTY NO: LSTNY1483 WARRANTY START DATE: 03/30/2024.

Attachment E

Budget Concrete Smoke Tests

Education

Energy Utility

Healthcare

Public Works

Real Estate

Science & Technology

One Larkin Plaza
2nd Floor
Yonkers, NY 10701

t. 914.509.8600

www.psands.com

BUDGET MAINTENANCE CONCRETE SERVICES INC.

800A Industrial Highway, Pottstown PA 19464

September 10, 2024

RE: Edge of Hudson Retail

1 Legend Dr.

Sleepy Hollow, NY 10591

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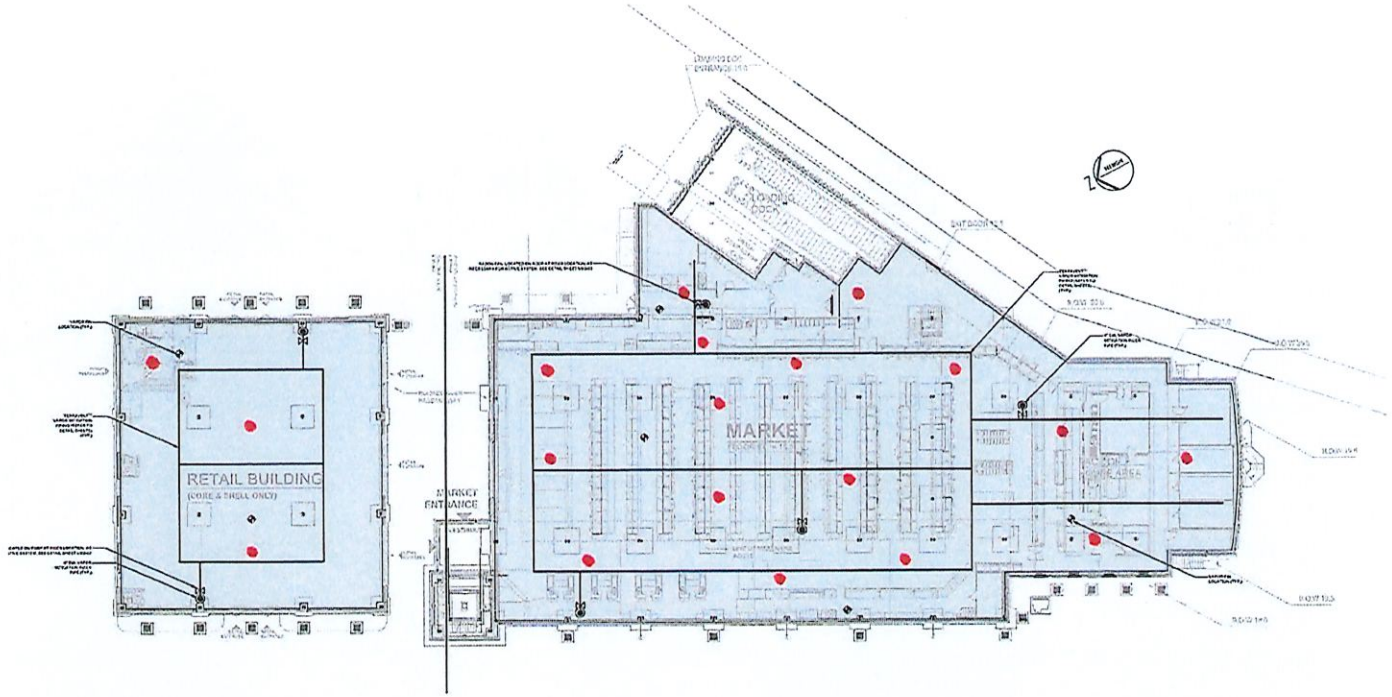
Respectfully,

Gregory Delp

Manager – Building Envelope Division

Budget Maintenance, Inc.

SMOKE TEST LOCATIONS



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5. VMS UTILITY CROSSINGS WILL BE COORDINATED WITH THE SPRINKLER AND CONTRACTOR.
6. THE VAPOR MANAGEMENT SYSTEM (VMS) IS REQUIRED UNDER ALL GROUND FLOOR INHABITABLE SPACE OF THE PLANNED BUILDINGS. REFER TO THE CURRENT ARCHITECTURAL PLANS AS IDENTIFIED ABOVE. FURTHER, THE VAPOR BARRIER, TERRA SHIELD® OR APPROVED EQUAL, MUST BE INSTALLED UNDER THE ENTIRE FOOTPRINT OF THE PROPOSED BUILDINGS. REFER TO THE TYPICAL SITE DETAILS ON SHEETS VMS-02 THROUGH VMS-04.
7. THE CONTRACTOR MUST USE A MANUFACTURER TRAINED AND CERTIFIED INSTALLATION TO INSTALL THE VAPOR MANAGEMENT SYSTEM (VMS) IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE CONTRACTOR MUST WORK WITH THE ARCHITECT AND ENGINEER TO PREPARE AS-BUILT & RECORD OF CONSTRUCTION SURVEY OF THE INSTALLED VMS.

GRAPHIC SCALE

0 5 10 20 30

(FEET)
1 inch = 15 ft.

LEGEND

- VAPOR MITIGATION PIPING
- VAPOR PIN LOCATION
- 4" DIA. RISER PIPE AND DESIGNATION
- RADON FAN OR ROOF AT RISER PIPE LOCATION, AS NECESSARY FOR AN ACTIVE SYSTEM

TABLE 1: VMS PLAN SET DRAWING LIST

SHEET	SHEET TITLE	DATE	REVISION
VMS-01	VAPOR MITIGATION SYSTEM (VMS) PLAN	04/06/2023	
VMS-02	VAPOR MITIGATION SYSTEM (VMS) DETAILS (1 OF 2)	04/06/2023	
VMS-03	VAPOR MITIGATION SYSTEM (VMS) DETAILS (2 OF 2)	04/06/2023	
VMS-04	VAPOR MITIGATION SYSTEM (VMS) NOTES	04/06/2023	

TABLE 2: GROUND FLOOR SUMMARY

BUILDING	BUILDING GROUND FLOOR AREA	MULTI-LAYER 6 MIL VAPOR BARRIER, VAPOR VENTS & VERTICAL RISERS
RETAIL	9,634 SF.	9,634 SF.
MARKETPLACE	29,610 SF.	24,533 SF.

SF. = SQUARE FEET
1. ARCHITECTURAL FLOOR PLANS PROVIDED BY DECICCO & SONS.

REV. / ISSUE	DATE	DESCRIPTION

CONSULTANT

CONSULTANT

ORIENTATION / KEY PLAN

ONE LARKIN PLAZA
SUITE 1D1A
YONKERS, NEW YORK 10701
PHONE: (914) 968-8500

CLIENT

PROJECT

EDGE ON HUDSON
DECICCO & SONS

SHEET TITLE

PROJECT NO: 6636TMVS
DATE: 04/06/2023
DRAWN BY: SHL
CHECKED BY: JMVP3
SCALE: AS SHOWN
SHEET: OF: 4
SHEET NO:

Attachment G

Engineering Certification

Education

Energy Utility

Healthcare

Public Works

Real Estate

Science & Technology

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2nd Floor
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EDGE ON HUDSON – BLOCK H – DECICCO & SONS
SITE RETAIL BUILDING

Sleepy Hollow, New York
NYSDEC Site No. C360070

Education

Energy Utility

Healthcare

Public Works

Real Estate

Science & Technology

CERTIFICATION STATEMENT

I, Janos M. Szeman, certify that I am currently a New York States registered professional engineer or Qualified Environmental Professional as in defined in 6 NYCRR Part 375 and that the Sub-Slab Depressurization System at Block H – Site Retail Building was done in accordance with the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) approved design.

Name: Janos M. Szeman



Date: 24 February 2025

NYS Professional Engineer # :084542-1

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Yonkers, NY 10701

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Attachment H

Sampling Field Reports

Education

Energy Utility

Healthcare

Public Works

Real Estate

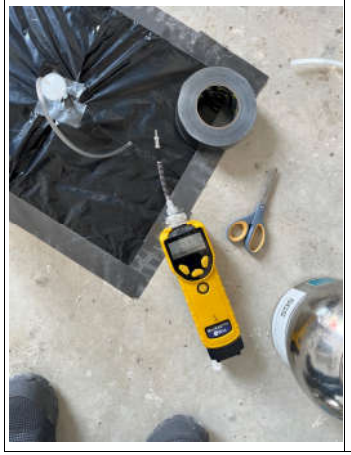
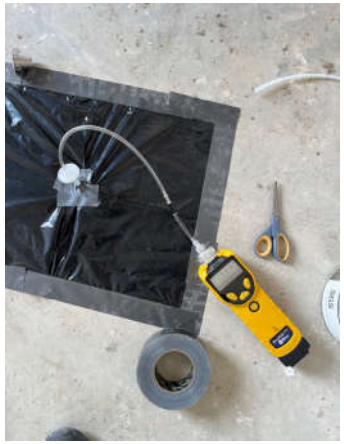
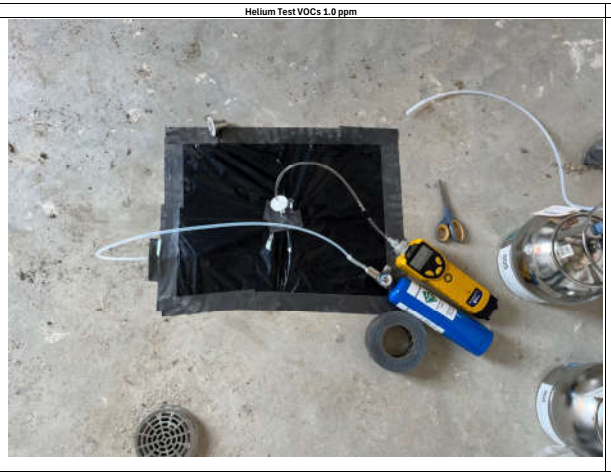
Science & Technology

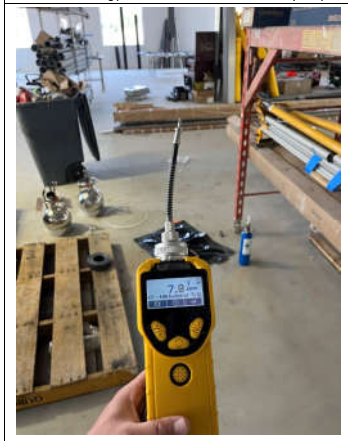
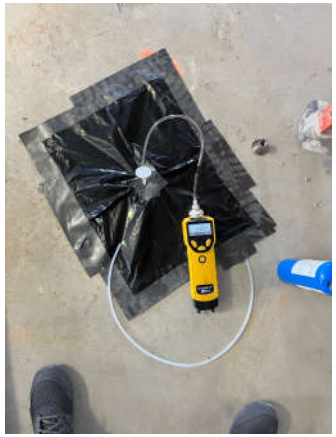
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Vapor Pin Location	Ambient Outdoor VOCs (ppm)	Indoor VOCs (ppm)	Sub Slab VOCs ppm	Helium Test ppm	Negative Pressure Reading in.H2O	Notes
VP-06	0	0	1.0	1.0 (0% Passed)	-0.009	
VP-07	0	0.5	2.2	2.2 (0 % Passed)	-0.014	
Ambient	0	N/A	N/A	N/A	N/A	Noticed Summa cannister was relocated to inside the building when checking on the samples at 7am on 7.16.2024

Indoor VOCs 0 ppm	Sub Slab VOCs 1.0 ppm	Helium Test VOCs 1.0 ppm	VelociCalc Test
			

Ambient recording (PSS asked Deciccos to relocate stored paints)	Subslab Sample 2.2 ppm	Helium Test 2.2 ppm PASSED	Negative Pressure -0.014 in. H2O	Indoor air 0.5 ppm following relocation of paints and airing out the room.
				

12/30/24

Tracer gas method used included plastic sheeting sealed around edges and Helium Tracer gas released under plastic sheeting. No vapor pin locations observed elevated VOC readings following the injection of the Helium Tracer gas.

ID	Prior to Helium Gas	During Test
VP-01	0.0 ppm	0.0 ppm
VP-02	0.0 ppm	0.0 ppm
VP-03	0.0 ppm	0.0 ppm
VP-04	0.0 ppm	0.0 ppm
VP-05	0.0 ppm	0.0 ppm
VP-06	0.0 ppm	0.0 ppm
VP-07	0.0 ppm	0.0 ppm

- Soil Vapor in tube purged of three volumes with peri pump

Rite in the Rain.

1230 Decicco's UMS sampling
0700 observed elevated PID readings @ VP-03. Identified source as exposed plumbing and plumbers glue. Noted Contractor and Grasso Brothers patched the drywall prior to sampling. Ambient readings subsided to 0.0 ppm
Identified elevated Ambient readings @ VP-05. Identified Source as painted walls. Contractor opened the doors and installed fans in the room to dry the paint prior to sampling. Ambient readings subsided to 0.0 ppm prior to sampling.

123024

February 16th 2025

Tracer gas method used included plastic sheeting sealed around the edges and Helium Tracer gas (150ppm) released under the plastic sheeting. VP-06 and VP-07 did not show signs of elevated readings following the introduction of the helium gas.

ID	Prior to Helium Gas	During Test Max Reading
VP-06	0.0 ppm	0.0 ppm
VP-07	0.0 ppm	0.0 ppm

VP-06 Negative Pressure Reading of -0.010 in. H_2O
VP-07 Negative Pressure Reading of -0.016 in. H_2O

- Soil Vapor in tube purged of three volumes with Perry pump.
- See Product interference photographs for products identified within the same room of VP-06 & VP-07.
- Ambient Retail indoor PID readings were 0.0 ppm.
- Samples initiated @ 1200

2/10/2025



Photo 1 – Detergent and Soap. All containers were sealed and Ambient PID readings measured 0.0 ppm. The detergent was in the same room as VP-07 but over 50 feet away.



Photo 2 – Polyurethane Coating, Low VOCs. Identified in the retail building. The Polyurethane coating was in the same room ad VP-07 but over 50 feet away.



Photo 3 – Primer Identified in the same room as VP-06. Ambient PID readings were 0.0 ppm. Buckets were removed from the room during sampling.



Photo 4 – Photograph of primer.

Attachment I

Sampling Log

Education

Energy Utility

Healthcare

Public Works

Real Estate

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VAPOR INSTRUSION SAMPLING LOG
Paulus, Sokolowski and Sartor Engineering, PC

Project Number:	083970001	Date:	7/8 – 7/16/2024
Project Name	Deciccio VMS Design	Sample Location:	
Project Address:	226 Beekman Ave		• VP-06-Indoor & VP-06-Soil Vapor
Project Location:	Sleepy Hollow NY		• VP-07-Indoor & VP-07-Soil Vapor
			• Outdoor Ambient

VAPOR INTRUSION SAMPLING

Select One: Indoor/ Outdoor/ SoilVapor/ Sub-Slab	Sample ID	Summa Canister ID	Flow Controler ID	Start			End			COMMENTS / OBSERVATIONS
				Time	PID (ppm)	Canister Vacuum (inches of Hg)	Time	PID (ppm)	Canister Vacuum (inches of Hg)	
Indoor	VP-06-Indoor	A1178	FC1116	1430	0.0	29	1430	0.0	6	7/8-7/9/24
Soil Vapor	VP-06-soilVapor	A2050	FC1209	1430	1.0	27	1430	1.0	2	7/8-7/9/24
Indoor	VP-07-Indoor	A735	FC1312	1500	0.5	29	1500	0.5	5	7/15-7/16/24
Soil Vapor	VP-07-Soil Vapor	A2088	FC929	1500	2.2	30	1500	2.2	6	7/15-7/16/24
Outdoor	Outdoor Ambient	A2125	FC1305	1500	0.0	30	1500	0.0	4	7/15-7/16/24

VAPOR INSTRUSION SAMPLING LOG
Paulus, Sokolowski and Sartor Engineering, PC

[redacted]

Project Number:	Date: 12/30/24 - 12/31-24
Project Name DeCicco's Retail	Weather:
Project Address:	Start 56.7F 29.43 in Hg
Project Location: Sleepy Hollow NY	Stop 48.1F 29.72 in Hg

VAPOR INTRUSION SAMPLING LOG

Select One: Indoor/ Outdoor/ SoilVapor/ Sub-Slab	Sample ID	Summa Canister ID	Flow Controller ID	Start			6End			COMMENTS / OBSERVATIONS
				Time	PID (ppm)	Canister Vacuum (inches of Hg)	Time	PID (ppm)	Canister Vacuum (inches of Hg)	
Indoor	VP06	A358	MC189	1230	0.0	30	1230	0.0	-7	
Subslab	VP06	A1783	FC828	1230	0.0	30	1230	0.0	-6	
Indoor	VP07	A471	MC235	1230	0.0	30	1230	0.0	-7	
Subslab	VP07	A735	FC1209	1230	0.0	29	1230	0.0	-6	

SHEET NO: 1 of 1

VAPOR INSTRUSION SAMPLING LOG
Paulus, Sokolowski and Sartor Engineering, PC

Project Number:	08397.0001	Date:	2/10/25 through 2/11/25
Project Name	DEC: CQS VMS Sampling (Retail)	Weather:	Temp / Pressure
Project Address:	50 River Street	Start	28.5F / 30.34 in Hg
Project Location:	Sleepy Hollow NY	Stop	32.4F / 30.29 in Hg

VAPOR INTRUSION SAMPLING LOG

Select One: Indoor/ Outdoor/ SoilVapor/ Sub-Slab	Sample ID	Summa Canister ID	Flow Controller ID	Start			6End			COMMENTS / OBSERVATIONS
				Time	PID (ppm)	Canister Vacuum (inches of Hg)	Time	PID (ppm)	Canister Vacuum (inches of Hg)	
Ambient/Outdoor		A1686	FC653	1200	0.0	-30	1200	0.0	6	
Soil Vapor	VP06	A1329	FC1147	1200	0.0	-21	1200	0.0	1	
Indoor	VP06	A1647	FC724	1200	0.0	-30	1200	0.0	8	
Soil Vapor	VP07	A1632	FC1265	1200	0.0	-30	1200	0.0	8	
Indoor	VP07	A1763	FC1098	1200	0.0	-30	1200	0.0	6	

Attachment J

Baseline Sampling Results Table

Education

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Edge on Hudson - Block A - DeCicco Sons - Retail Building
September 30, 2024 - Resubmitted November 11, 2024 February 21, 2025
PS Engineering Certification Baseline Air Quality Testing

		VP-06				VP-07			
Job Code:		JD91960	JD91960	JE5543	JE5543	JD92397	JD92397	JE5543	JE5543
Client Sample ID:		VP-06-INDOOR	VP-06-SOILVAPOR	21125 VP-06 INDOOR	1125 VP-06 SOIL VAPO	VP-07-INDOOR	VP-07-SOIL VAPOR	21125 VP-07 INDOOR	1125 VP-07 SOIL VAPO
Lab Sample ID:		JD91960-1	JD91960-2	JE5543-3	JE5543-2	JD92397-1	JD92397-2	JE5543-5	JE5543-4
Matrix:		Indoor Air Comp.	Soil Vapor Comp.	Indoor Air Comp.	Soil Vapor Comp.	Indoor Air Comp.	Soil Vapor Comp.	Indoor Air Comp.	Soil Vapor Comp.
Sample Date:		7/9/2024 2:30 PM	7/9/2024 2:30 PM	2/11/2025 12:00 PM	2/11/2025 12:00 PM	7/16/2024 3:00 PM	7/16/2024 3:00 PM	2/11/2025 12:00 PM	2/11/2025 12:00 PM
Analyte	**Unit**								
1,1,1-Trichloroethane	ug/m3	**< 0.34**	**< 1.7**	**< 0.44**	**< 0.55**	**< 0.34**	**0.6**	**< 0.44**	**< 0.55**
1,1,2,2-Tetrachloroethane	ug/m3	< 0.26	< 1.3	< 0.55	< 0.69	< 0.26	< 0.26	< 0.55	< 0.69
1,1,2-Trichloroethane	ug/m3	< 0.16	< 0.82	< 0.44	< 0.55	< 0.16	< 0.16	< 0.44	< 0.55
1,1-Dichloroethane	ug/m3	< 0.19	< 0.93	< 0.65	< 0.81	< 0.19	< 0.19	< 0.65	< 0.81
1,1-Dichloroethylene	ug/m3	**< 0.19**	**< 0.95**	**< 0.13**	**< 0.16**	**< 0.19**	**< 0.19**	**< 0.13**	**< 0.16**
1,2,4-Trichlorobenzene	ug/m3	< 0.72	< 3.6	< 0.59	< 0.74	< 0.72	< 0.72	< 0.59	< 0.74
1,2,4-Trimethylbenzene	ug/m3	**< 0.34**	**< 1.7**	**2.5**	**1.1**	**1.9**	**1.4**	**< 0.79**	**1.5**
1,2-Dibromoethane (EDB)	ug/m3	< 0.18	< 0.92	< 0.61	< 0.77	< 0.18	< 0.18	< 0.61	< 0.77
1,2-Dichloroethane	ug/m3	< 0.23	< 1.1	< 0.65	< 0.81	< 0.23	< 0.23	< 0.65	< 0.81
1,2-Dichloropropane	ug/m3	< 0.23	< 1.2	< 0.74	< 0.92	2.6	0.97	< 0.74	< 0.92
1,3,5-Trimethylbenzene	ug/m3	**< 0.31**	**< 1.6**	**0.74 J**	**< 0.98**	**0.48 J**	**< 0.31**	**< 0.79**	**< 0.98**
1,3-Butadiene	ug/m3	< 0.15	< 0.75	< 0.35	< 0.44	< 0.15	< 0.15	< 0.35	< 0.44
1,4-Dioxane	ug/m3	< 0.14	< 0.68	< 0.58	< 0.72	< 0.14	5.4	< 0.58	< 0.72
2,2,4-Trimethylpentane	ug/m3	**0.51 J**	**2.7 J**	**< 0.75**	**< 0.93**	**2.1**	**0.46 J**	**< 0.75**	**< 0.93**
2-Chlorotoluene	ug/m3	< 0.30 [c]	< 1.5 [a]	< 0.83	< 1.0	< 0.30	< 0.30 [c]	< 0.83	< 1.0
2-Hexanone	ug/m3	< 0.49	< 2.4	< 0.65	< 0.82	0.90 [a]	0.86	< 0.65	< 0.82
3-Chloropropene	ug/m3	< 0.21	< 1.0	< 0.50	< 0.63	< 0.21	< 0.21	< 0.50	< 0.63
4-Ethyltoluene	ug/m3	< 0.37	< 1.9	0.74 J	< 0.98	< 0.37	0.38 J	< 0.79	< 0.98
Acetone (2-Propanone)	ug/m3	45.8	109	252	2	1390	266	7.4	6.2
Benzene	ug/m3	**0.45 J**	**2.1 J**	**0.54**	**0.35 J**	**1.4**	**0.8**	**0.73**	**0.86**
Benzyl Chloride	ug/m3	< 0.52	< 2.6	< 0.82	< 1.0	< 0.52	< 0.52	< 0.82	< 1.0
Bromodichloromethane	ug/m3	< 0.16	< 0.80	< 0.54	< 0.67	< 0.16	< 0.16	< 0.54	< 0.67
Bromoethene	ug/m3	< 0.21	< 1.0	< 0.70	< 0.87	< 0.21	< 0.21	< 0.70	< 0.87
Bromoform	ug/m3	< 0.59 [c]	< 2.9 [c]	< 0.33	< 0.41	< 0.59	< 0.59 [c]	< 0.33	< 0.41
Bromomethane	ug/m3	< 0.21	< 1.1	< 0.62	< 0.78	< 0.21	< 0.21	< 0.62	< 0.78
Carbon disulfide	ug/m3	< 0.11	3.1	< 0.50	1.9	2.3	6.2	< 0.50	4.4
Carbon tetrachloride	ug/m3	**< 0.20**	**< 1.0**	**0.51**	**< 0.25**	**< 0.20**	**< 0.20**	**0.53**	**< 0.25**
Chlorobenzene	ug/m3	< 0.27	< 1.4	< 0.74	< 0.92	< 0.27	< 0.27	< 0.74	< 0.92
Chloroethane	ug/m3	< 0.14	< 0.71	< 0.42	< 0.53	< 0.14	< 0.14	< 0.42	< 0.53
Chloroform	ug/m3	< 0.15	2.9 J	< 0.78	1.6	< 0.15	1.6	< 0.78	1.4
Chloromethane	ug/m3	1	22.7	1	0.39 J	2.5 [b]	14	0.97	< 0.41
cis-1,2-Dichloroethylene	ug/m3	**< 0.095**	**< 0.48**	**< 0.13**	**< 0.16**	**2.4**	**0.38**	**< 0.13**	**< 0.16**
cis-1,3-Dichloropropene	ug/m3	< 0.23	< 1.1	< 0.73	< 0.91	< 0.23	< 0.23	< 0.73	< 0.91
Cyclohexane	ug/m3	**< 0.12**	**< 0.62**	**< 0.55**	**< 0.69**	**0.52 J**	**0.48 J**	**< 0.55**	**< 0.69**
Dibromochloromethane	ug/m3	< 0.36 [a]	< 1.8 [a]	< 0.68	< 0.85	< 0.36	< 0.36 [c]	< 0.68	< 0.85
Dichlorodifluoromethane	ug/m3	1.6	8.4	2.9	1.8	2.6	7.9	2.9	3.5
Ethanol	ug/m3	10	103	66.3	3.2	29.4	50.7	13	20.9
Ethyl Acetate	ug/m3	34	270	36.4	126	8.3	5.4	204	525
Ethylbenzene	ug/m3	**0.61 J**	**6.1**	**0.42 J**	**0.52 J**	**15**	**12**	**< 0.69**	**3.6**
Freon 113	ug/m3	< 0.19	< 0.92	< 0.61	< 0.77	1.2	0.64	< 0.61	< 0.77
Freon 114	ug/m3	< 0.28	< 1.4	< 0.56	< 0.70	< 0.28	< 0.28	< 0.56	< 0.70
Decision Matrix Results Notes:									
No Further Action									
Mitigate									
Identify source(s) or resample or mitigate									
Monitor									

Edge on Hudson - Block A - DeCicco Sons - Retail Building
September 30, 2024 - Resubmitted November 11, 2024 February 21, 2025
PS Engineering Certification Baseline Air Quality Testing

		VP-06				VP-07			
Job Code:		JD91960	JD91960	JE5543	JE5543	JD92397	JD92397	JE5543	JE5543
Client Sample ID:		VP-06-INDOOR	VP-06-SOILVAPOR	21125 VP-06 INDOOR	1125 VP-06 SOIL VAPO	VP-07-INDOOR	VP-07-SOIL VAPOR	21125 VP-07 INDOOR	1125 VP-07 SOIL VAPO
Lab Sample ID:		JD91960-1	JD91960-2	JE5543-3	JE5543-2	JD92397-1	JD92397-2	JE5543-5	JE5543-4
Matrix:		Indoor Air Comp.	Soil Vapor Comp.	Indoor Air Comp.	Soil Vapor Comp.	Indoor Air Comp.	Soil Vapor Comp.	Indoor Air Comp.	Soil Vapor Comp.
Sample Date:		7/9/2024 2:30 PM	7/9/2024 2:30 PM	2/11/2025 12:00 PM	2/11/2025 12:00 PM	7/16/2024 3:00 PM	7/16/2024 3:00 PM	2/11/2025 12:00 PM	2/11/2025 12:00 PM
Analyte	**Unit**								
Heptane	ug/m3	**< 0.30**	**< 1.5**	**< 0.66**	**< 0.82**	3.2 [b]	**1.1**	**< 0.66**	**0.45 J**
Hexachlorobutadiene	ug/m3	< 0.53	< 2.7	< 0.77	< 0.96	< 0.53	< 0.53	< 0.77	< 0.96
Hexane	ug/m3	**45.1**	**3.9**	**3.4**	**< 0.70**	6.3 [b]	**1.3**	**3.4**	**2.1**
Isopropyl Alcohol	ug/m3	1.6	5.9	1.3	0.61	13	5.7	1.4	4.2
m,p-Xylene	ug/m3	**1.9**	**20**	**1.5**	**1.8**	**48.6**	**38**	**1**	**14**
m-Dichlorobenzene	ug/m3	< 0.66	< 3.2	< 0.48	< 0.60	< 0.66	< 0.66	< 0.48	< 0.60
Methane	mg/m3	-	-	< 5.4	< 4.7	-	-	< 5.0	< 5.8
Methyl ethyl ketone	ug/m3	1.5	6.8	316	< 0.59	50.7	12	0.77	1.4
Methyl Isobutyl Ketone	ug/m3	< 0.24	< 1.2	< 0.66	< 0.82	0.74	0.57 J	< 0.66	< 0.82
Methyl Tert Butyl Ether	ug/m3	< 0.23	< 1.2	< 0.58	< 0.72	< 0.23	< 0.23	< 0.58	< 0.72
Methylene chloride	ug/m3	**28**	**4.5**	**1**	**1.4**	**6.6**	**1.5**	**1.6**	**1.8**
Methylmethacrylate	ug/m3	< 0.23	3.5	< 0.66	< 0.82	7.4	2.6	< 0.66	< 0.82
o-Dichlorobenzene	ug/m3	< 0.33	< 1.7	< 0.19	< 0.24	< 0.33	< 0.33	< 0.19	< 0.24
o-Xylene	ug/m3	**0.52 J**	**5.2**	**0.56 J**	**0.65 J**	**13**	**10**	**0.43 J**	**4.3**
p-Dichlorobenzene	ug/m3	< 0.38	< 1.9	< 0.48	< 0.60	< 0.38	< 0.38	< 0.48	< 0.60
Propylene	ug/m3	< 0.19	< 0.98	< 0.69	< 0.86	< 0.19 [c]	< 0.19	< 0.69	< 0.86
Styrene	ug/m3	< 0.18 [c]	< 0.89	< 0.68	< 0.85	1.5	1.1	< 0.68	0.43 J
Tertiary Butyl Alcohol	ug/m3	0.79	2.9	< 0.49	< 0.61	32.4	6.1	< 0.49	< 0.61
Tetrachloroethylene	ug/m3	**< 0.075**	**1.8**	**< 0.22**	**3.3**	**0.5**	**6.7**	**< 0.22**	**6.8**
Tetrahydrofuran	ug/m3	0.32 J	5.3	923	< 0.59	41.6	11	0.53	2.2
Toluene	ug/m3	**1.5**	**11**	**8.3**	**0.75**	**24**	**21**	**6.8**	**7.9**
trans-1,2-Dichloroethylene	ug/m3	22	61.5	2.4	4	749	326	1	2.4
trans-1,3-Dichloropropene	ug/m3	< 0.37	< 1.8	< 0.73	< 0.91	< 0.37	< 0.37	< 0.73	< 0.91
Trichloroethylene	ug/m3	**< 0.081**	**1.3**	**< 0.17**	**0.39**	**0.44**	**12**	**< 0.17**	**9.7**
Trichlorofluoromethane	ug/m3	2.9	12	2 a	1.9 a	1.7	15	2.2 a	7.9 a
Vinyl Acetate	ug/m3	1.2	6.3	< 0.56	< 0.70	< 0.32	3.5	< 0.56	5.3
Vinyl chloride	ug/m3	**< 0.14**	**< 0.72**	**< 0.082**	**< 0.10**	**< 0.14**	**< 0.14**	**< 0.082**	**< 0.10**
Xylenes (total)	ug/m3	2.4	25	2.1	2.5	61.6	47.8	1.4	18
4-Bromofluorobenzene	%	87	87	102	102	84	88	103	97
4-Bromofluorobenzene (1)	%	-	-	105	94	110	86	101	94
4-Bromofluorobenzene	%	-	-	116	115	-	-	114	115
4-Bromofluorobenzene (1)	%	-	-	120		-	-	120	117
Decision Matrix Results Notes:									
No Further Action									
Mitigate									
Identify source(s) or resample or mitigate									
Monitor									
Result Comments									

Footnote

a: This compound in blank spike is outside in house QC limits bias high.

b: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

c: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

d: - indicates Not Analyzed

Edge on Hudson - Block A - DeCicco Sons - Retail Building
September 30, 2024 - Resubmitted November 11, 2024 February 21, 2025
PS Engineering Certification Baseline Air Quality Testing

		Outdoor		
Job Code:		JD92397	JE3522	JE5543
Client Sample ID:		OUTDOOR AMBIENT	123124 OUTDOOR	21125 AMBIENT
Lab Sample ID:		JD92397-3	JE3522-15	JE5543-1
Matrix:		Ambient Air Comp.	Ambient Air Comp.	Ambient Air Comp.
Sample Date:		7/16/2024 3:00 PM	12/31/2024 12:30 PM	2/11/2025 12:00 PM
Analyte	**Unit**			
1,1,1-Trichloroethane	ug/m3	< 0.34	-	< 0.44
1,1,2,2-Tetrachloroethane	ug/m3	< 0.26	-	< 0.55
1,1,2-Trichloroethane	ug/m3	< 0.16	-	< 0.44
1,1-Dichloroethane	ug/m3	< 0.19	-	< 0.65
1,1-Dichloroethylene	ug/m3	< 0.19	-	< 0.13
1,2,4-Trichlorobenzene	ug/m3	< 0.72	-	< 0.59
1,2,4-Trimethylbenzene	ug/m3	1.4	-	< 0.79
1,2-Dibromoethane (EDB)	ug/m3	< 0.18	-	< 0.61
1,2-Dichloroethane	ug/m3	< 0.23	-	< 0.65
1,2-Dichloropropane	ug/m3	2.4	-	< 0.74
1,3,5-Trimethylbenzene	ug/m3	< 0.31	-	< 0.79
1,3-Butadiene	ug/m3	< 0.15	-	< 0.35
1,4-Dioxane	ug/m3	< 0.14	-	< 0.58
2,2,4-Trimethylpentane	ug/m3	0.79	-	0.41 J
2-Chlorotoluene	ug/m3	< 0.30	-	< 0.83
2-Hexanone	ug/m3	0.90 [a]	-	< 0.65
3-Chloropropene	ug/m3	< 0.21	-	< 0.50
4-Ethyltoluene	ug/m3	< 0.37	-	< 0.79
Acetone (2-Propanone)	ug/m3	2400	-	6.4
Benzene	ug/m3	1.2	-	0.7
Benzyl Chloride	ug/m3	< 0.52	-	< 0.82
Bromodichloromethane	ug/m3	< 0.16	-	< 0.54
Bromoethene	ug/m3	< 0.21	-	< 0.70
Bromoform	ug/m3	< 0.59	-	< 0.33
Bromomethane	ug/m3	< 0.21	-	< 0.62
Carbon disulfide	ug/m3	2.1	-	< 0.50
Carbon tetrachloride	ug/m3	< 0.20	-	0.49
Chlorobenzene	ug/m3	< 0.27	-	< 0.74
Chloroethane	ug/m3	< 0.14	-	< 0.42
Chloroform	ug/m3	< 0.15	-	< 0.78
Chloromethane	ug/m3	2.3 [b]	-	1
cis-1,2-Dichloroethylene	ug/m3	1.1	-	< 0.13
cis-1,3-Dichloropropene	ug/m3	< 0.23	-	< 0.73
Cyclohexane	ug/m3	0.32 J	-	< 0.55
Dibromochloromethane	ug/m3	< 0.36	-	< 0.68
Dichlorodifluoromethane	ug/m3	2.8	-	2.6
Ethanol	ug/m3	23.2	-	4.1
Ethyl Acetate	ug/m3	10	-	252
Ethylbenzene	ug/m3	17	-	0.42 J
Freon 113	ug/m3	0.77	-	< 0.61
Freon 114	ug/m3	< 0.28	-	< 0.56
Decision Matrix Results Notes:				
No Further Action				
Mitigate				
Identify source(s) or resample or mitigate				
Monitor				

Edge on Hudson - Block A - DeCicco Sons - Retail Building
September 30, 2024 - Resubmitted November 11, 2024 February 21, 2025
PS Engineering Certification Baseline Air Quality Testing

		Outdoor		
Job Code:		JD92397	JE3522	JE5543
Client Sample ID:		OUTDOOR AMBIENT	123124 OUTDOOR	21125 AMBIENT
Lab Sample ID:		JD92397-3	JE3522-15	JE5543-1
Matrix:		Ambient Air Comp.	Ambient Air Comp.	Ambient Air Comp.
Sample Date:		7/16/2024 3:00 PM	12/31/2024 12:30 PM	2/11/2025 12:00 PM
Analyte	**Unit**			
Heptane	ug/m3	2.3 [b]	-	< 0.66
Hexachlorobutadiene	ug/m3	< 0.53	-	< 0.77
Hexane	ug/m3	4.6 [b]	-	0.95
Isopropyl Alcohol	ug/m3	13	-	0.88
m,p-Xylene	ug/m3	54.7	-	1.3
m-Dichlorobenzene	ug/m3	< 0.66	-	< 0.48
Methane	mg/m3	-	4.4	< 4.8
Methyl ethyl ketone	ug/m3	46.9	-	0.41 J
Methyl Isobutyl Ketone	ug/m3	0.66	-	< 0.66
Methyl Tert Butyl Ether	ug/m3	< 0.23	-	< 0.58
Methylene chloride	ug/m3	4.9	-	1
Methylmethacrylate	ug/m3	4.9	-	< 0.66
o-Dichlorobenzene	ug/m3	< 0.33	-	< 0.19
o-Xylene	ug/m3	14	-	0.41 J
p-Dichlorobenzene	ug/m3	< 0.38	-	< 0.48
Propylene	ug/m3	< 0.19 [c]	-	< 0.69
Styrene	ug/m3	1.8	-	< 0.68
Tertiary Butyl Alcohol	ug/m3	33.3	-	< 0.49
Tetrachloroethylene	ug/m3	0.24	-	< 0.22
Tetrahydrofuran	ug/m3	38.9	-	< 0.47
Toluene	ug/m3	31	-	0.79
trans-1,2-Dichloroethylene	ug/m3	1360	-	0.34 J
trans-1,3-Dichloropropene	ug/m3	< 0.37	-	< 0.73
Trichloroethylene	ug/m3	< 0.081	-	< 0.17
Trichlorofluoromethane	ug/m3	1.8	-	1.9 a
Vinyl Acetate	ug/m3	< 0.32	-	< 0.56
Vinyl chloride	ug/m3	< 0.14	-	< 0.082
Xylenes (total)	ug/m3	68.7	-	1.7
4-Bromofluorobenzene	%	85	98	101
4-Bromofluorobenzene (1)	%	110	88	101
4-Bromofluorobenzene	%	-	-	113
4-Bromofluorobenzene (1)	%	-	-	120
Decision Matrix Results Notes:				
No Further Action				
Mitigate				
Identify source(s) or resample or mitigate				
Monitor				
Result Comments				

Footnote

a: This compound in blank spike is outside in house QC limits bias high.
b: Associated CCV outside of control limits high. This compound in blar
c: Associated CCV outside of control limits high, sample was ND. This
d: - indicates Not Analyzed

Attachment K

SGS Lab Reports

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The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Paulus, Sokolowski and Sartor Inc

Edge on Hudson, Sleepy Hollow, NY

053020001

SGS Job Number: JD91960



Sampling Date: 07/09/24

Report to:

Paulus Sokolowski and Sartor Inc
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Warren, NJ 07059
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ATTN: James Boyer

Total number of pages in report: **491**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Marie Meidhof 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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SGS North America Inc.

Sample Summary

Paulus, Sokolowski and Sartor Inc

Job No: JD91960

Edge on Hudson, Sleepy Hollow, NY
Project No: 053020001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD91960-1	07/09/24	14:30	RA	07/10/24	AIR	Indoor Air Comp.	VP-06-INDOOR
JD91960-2	07/09/24	14:30	RA	07/10/24	AIR	Soil Vapor Comp.	VP-06-SOILVAPOR

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Paulus, Sokolowski and Sartor Inc	**Job No:**	JD91960
Site:	Edge on Hudson, Sleepy Hollow, NY	**Report Date**	8/5/2024 2:12:48 AM

On 07/10/2024, 2 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS). The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD91960 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V8W249

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD91786-1DUP were used as the QC samples indicated.
- The blank spike (BS) recovery(s) of 2-Chlorotoluene, Bromoform, Dibromochloromethane, Styrene are outside control limits.
- V8W249-BS for Styrene: Outside in house control limits.
- V8W249-BS for 2-Chlorotoluene: High percent recovery and no associated positive reported in the QC batch.
- V8W249-BS for Dibromochloromethane: High percent recovery and no associated positive reported in the QC batch.
- JD91960-1 for 2-Chlorotoluene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD91960-1 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD91960-1 for Styrene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD91960-1 for Dibromochloromethane: This compound in blank spike is outside in house QC limits bias high.
- V8W249-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.

Matrix: AIR **Batch ID:** V8W250

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD91882-2DUP were used as the QC samples indicated.
- The blank spike (BS) recovery(s) of 2-Chlorotoluene, Bromoform, Dibromochloromethane are outside control limits.
- JD91960-2 for Dibromochloromethane: This compound in blank spike is outside in house QC limits bias high.
- V8W250-BS for 2-Chlorotoluene: High percent recovery and no associated positive reported in the QC batch.
- V8W250-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- V8W250-BS for Dibromochloromethane: High percent recovery and no associated positive reported in the QC batch.
- JD91960-2 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD91960-2 for 2-Chlorotoluene: This compound in blank spike is outside in house QC limits bias high.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD91960
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 07/09/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD91960-1	**VP-06-INDOOR**					
Acetone (2-Propanone)		19.3	0.16	0.12	ppbv	TO-15
Benzene		0.14 J	0.16	0.038	ppbv	TO-15
Chloromethane		0.49	0.16	0.072	ppbv	TO-15
Dichlorodifluoromethane		0.32	0.16	0.083	ppbv	TO-15
trans-1,2-Dichloroethylene		5.6	0.16	0.022	ppbv	TO-15
Ethanol		5.4	0.40	0.32	ppbv	TO-15
Ethylbenzene		0.14 J	0.16	0.049	ppbv	TO-15
Ethyl Acetate		9.4	0.16	0.083	ppbv	TO-15
Hexane		12.8	0.16	0.042	ppbv	TO-15
Isopropyl Alcohol		0.67	0.16	0.11	ppbv	TO-15
Methylene chloride		8.1	0.16	0.11	ppbv	TO-15
Methyl ethyl ketone		0.52	0.16	0.088	ppbv	TO-15
2,2,4-Trimethylpentane		0.11 J	0.16	0.032	ppbv	TO-15
Tertiary Butyl Alcohol		0.26	0.16	0.074	ppbv	TO-15
Tetrahydrofuran		0.11 J	0.16	0.072	ppbv	TO-15
Toluene		0.40	0.16	0.046	ppbv	TO-15
Trichlorofluoromethane		0.51	0.080	0.12	ppbv	TO-15
Vinyl Acetate		0.33	0.16	0.090	ppbv	TO-15
m,p-Xylene		0.43	0.16	0.11	ppbv	TO-15
o-Xylene		0.12 J	0.16	0.062	ppbv	TO-15
Xylenes (total)		0.55	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)		45.8	0.38	0.29	ug/m3	TO-15
Benzene		0.45 J	0.51	0.12	ug/m3	TO-15
Chloromethane		1.0	0.33	0.15	ug/m3	TO-15
Dichlorodifluoromethane		1.6	0.79	0.41	ug/m3	TO-15
trans-1,2-Dichloroethylene		22	0.63	0.087	ug/m3	TO-15
Ethanol		10	0.75	0.60	ug/m3	TO-15
Ethylbenzene		0.61 J	0.69	0.21	ug/m3	TO-15
Ethyl Acetate		34	0.58	0.30	ug/m3	TO-15
Hexane		45.1	0.56	0.15	ug/m3	TO-15
Isopropyl Alcohol		1.6	0.39	0.27	ug/m3	TO-15
Methylene chloride		28	0.56	0.38	ug/m3	TO-15
Methyl ethyl ketone		1.5	0.47	0.26	ug/m3	TO-15
2,2,4-Trimethylpentane		0.51 J	0.75	0.15	ug/m3	TO-15
Tertiary Butyl Alcohol		0.79	0.49	0.22	ug/m3	TO-15
Tetrahydrofuran		0.32 J	0.47	0.21	ug/m3	TO-15
Toluene		1.5	0.60	0.17	ug/m3	TO-15
Trichlorofluoromethane		2.9	0.45	0.67	ug/m3	TO-15
Vinyl Acetate		1.2	0.56	0.32	ug/m3	TO-15
m,p-Xylene		1.9	0.69	0.48	ug/m3	TO-15
o-Xylene		0.52 J	0.69	0.27	ug/m3	TO-15
Xylenes (total)		2.4	0.69	0.27	ug/m3	TO-15

Summary of Hits

Job Number: JD91960
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 07/09/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD91960-2	**VP-06-SOILVAPOR**					
Acetone (2-Propanone)		45.7	0.80	0.58	ppbv	TO-15
Benzene		0.65 J	0.80	0.19	ppbv	TO-15
Carbon disulfide		1.0	0.80	0.18	ppbv	TO-15
Chloroform		0.59 J	0.80	0.15	ppbv	TO-15
Chloromethane		11.0	0.80	0.36	ppbv	TO-15
Dichlorodifluoromethane		1.7	0.80	0.42	ppbv	TO-15
trans-1,2-Dichloroethylene		15.5	0.80	0.11	ppbv	TO-15
Ethanol		54.7	2.0	1.6	ppbv	TO-15
Ethylbenzene		1.4	0.80	0.24	ppbv	TO-15
Ethyl Acetate		75.0	0.80	0.42	ppbv	TO-15
Hexane		1.1	0.80	0.21	ppbv	TO-15
Isopropyl Alcohol		2.4	0.80	0.56	ppbv	TO-15
Methylene chloride		1.3	0.80	0.53	ppbv	TO-15
Methyl ethyl ketone		2.3	0.80	0.44	ppbv	TO-15
Methylmethacrylate		0.86	0.80	0.28	ppbv	TO-15
2,2,4-Trimethylpentane		0.58 J	0.80	0.16	ppbv	TO-15
Tertiary Butyl Alcohol		0.95	0.80	0.37	ppbv	TO-15
Tetrachloroethylene		0.26	0.16	0.056	ppbv	TO-15
Tetrahydrofuran		1.8	0.80	0.36	ppbv	TO-15
Toluene		3.0	0.80	0.23	ppbv	TO-15
Trichloroethylene		0.25	0.16	0.076	ppbv	TO-15
Trichlorofluoromethane		2.2	0.40	0.62	ppbv	TO-15
Vinyl Acetate		1.8	0.80	0.45	ppbv	TO-15
m,p-Xylene		4.5	0.80	0.56	ppbv	TO-15
o-Xylene		1.2	0.80	0.31	ppbv	TO-15
Xylenes (total)		5.7	0.80	0.31	ppbv	TO-15
Acetone (2-Propanone)		109	1.9	1.4	ug/m3	TO-15
Benzene		2.1 J	2.6	0.61	ug/m3	TO-15
Carbon disulfide		3.1	2.5	0.56	ug/m3	TO-15
Chloroform		2.9 J	3.9	0.73	ug/m3	TO-15
Chloromethane		22.7	1.7	0.74	ug/m3	TO-15
Dichlorodifluoromethane		8.4	4.0	2.1	ug/m3	TO-15
trans-1,2-Dichloroethylene		61.5	3.2	0.44	ug/m3	TO-15
Ethanol		103	3.8	3.0	ug/m3	TO-15
Ethylbenzene		6.1	3.5	1.0	ug/m3	TO-15
Ethyl Acetate		270	2.9	1.5	ug/m3	TO-15
Hexane		3.9	2.8	0.74	ug/m3	TO-15
Isopropyl Alcohol		5.9	2.0	1.4	ug/m3	TO-15
Methylene chloride		4.5	2.8	1.8	ug/m3	TO-15
Methyl ethyl ketone		6.8	2.4	1.3	ug/m3	TO-15
Methylmethacrylate		3.5	3.3	1.1	ug/m3	TO-15
2,2,4-Trimethylpentane		2.7 J	3.7	0.75	ug/m3	TO-15
Tertiary Butyl Alcohol		2.9	2.4	1.1	ug/m3	TO-15

Summary of Hits

Job Number: JD91960
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 07/09/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Tetrachloroethylene		1.8	1.1	0.38	ug/m3	TO-15
Tetrahydrofuran		5.3	2.4	1.1	ug/m3	TO-15
Toluene		11	3.0	0.87	ug/m3	TO-15
Trichloroethylene		1.3	0.86	0.41	ug/m3	TO-15
Trichlorofluoromethane		12	2.2	3.5	ug/m3	TO-15
Vinyl Acetate		6.3	2.8	1.6	ug/m3	TO-15
m,p-Xylene		20	3.5	2.4	ug/m3	TO-15
o-Xylene		5.2	3.5	1.3	ug/m3	TO-15
Xylenes (total)		25	3.5	1.3	ug/m3	TO-15

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	VP-06-INDOOR		
Lab Sample ID:	JD91960-1	**Date Sampled:**	07/09/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1178	**Date Received:**	07/10/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8W06520.D	1	07/30/24 23:55	BK	n/a	n/a	V8W249
Run #2							

	Initial Volume
Run #1	500 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	19.3	0.16	0.12	ppbv		45.8	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	0.067	ppbv		ND	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.14	0.16	0.038	ppbv	J	0.45	0.51	0.12	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform [a]	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane	0.49	0.16	0.072	ppbv		1.0	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene [a]	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.032	0.032	ppbv		ND	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	0.036	ppbv		ND	0.55	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.024	ppbv		ND	0.61	0.18	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.038	ppbv		ND	0.58	0.14	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.32	0.16	0.083	ppbv		1.6	0.79	0.41	ug/m3
124-48-1	208.3	Dibromochloromethane [b]	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	5.6	0.16	0.022	ppbv		22	0.63	0.087	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.024	ppbv		ND	0.13	0.095	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.11	ppbv		ND	0.48	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.055	ppbv		ND	0.19	0.33	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.063	ppbv		ND	0.48	0.38	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: VP-06-INDOOR
Lab Sample ID: JD91960-1
Matrix: AIR - Indoor Air Comp. Summa ID: A1178
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 07/09/24
Date Received: 07/10/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	5.4	0.40	0.32	ppbv		10	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	0.14	0.16	0.049	ppbv	J	0.61	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	9.4	0.16	0.083	ppbv		34	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	0.076	ppbv		ND	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.16	0.073	ppbv		ND	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	12.8	0.16	0.042	ppbv		45.1	0.56	0.15	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.67	0.16	0.11	ppbv		1.6	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	8.1	0.16	0.11	ppbv		28	0.56	0.38	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.52	0.16	0.088	ppbv		1.5	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene	ND	0.40	0.11	ppbv		ND	0.69	0.19	ug/m3
100-42-5	104.1	Styrene [a]	ND	0.16	0.042	ppbv		ND	0.68	0.18	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.062	ppbv		ND	0.44	0.34	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	0.070	ppbv		ND	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	0.064	ppbv		ND	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.11	0.16	0.032	ppbv	J	0.51	0.75	0.15	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.26	0.16	0.074	ppbv		0.79	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.11	0.16	0.072	ppbv	J	0.32	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	0.40	0.16	0.046	ppbv		1.5	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	0.015	ppbv		ND	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.51	0.080	0.12	ppbv		2.9	0.45	0.67	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	0.33	0.16	0.090	ppbv		1.2	0.56	0.32	ug/m3
	106.2	m,p-Xylene	0.43	0.16	0.11	ppbv		1.9	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	0.12	0.16	0.062	ppbv	J	0.52	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	0.55	0.16	0.062	ppbv		2.4	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VP-06-INDOOR		
Lab Sample ID:	JD91960-1	**Date Sampled:**	07/09/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1178	**Date Received:**	07/10/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	VP-06-SOILVAPOR		
Lab Sample ID:	JD91960-2	**Date Sampled:**	07/09/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A2050	**Date Received:**	07/10/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8W06554.D	1	08/01/24 06:27	TCH	n/a	n/a	V8W250
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	45.7	0.80	0.58	ppbv		109	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	0.75	ug/m3
71-43-2	78.11	Benzene	0.65	0.80	0.19	ppbv	J	2.1	2.6	0.61	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	0.12	ppbv		ND	2.7	0.80	ug/m3
75-25-2	252.8	Bromoform [a]	ND	0.16	0.28	ppbv		ND	1.7	2.9	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	1.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.50	ppbv		ND	4.1	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	1.0	0.80	0.18	ppbv		3.1	2.5	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	1.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	0.71	ug/m3
67-66-3	119.4	Chloroform	0.59	0.80	0.15	ppbv	J	2.9	3.9	0.73	ug/m3
74-87-3	50.49	Chloromethane	11.0	0.80	0.36	ppbv		22.7	1.7	0.74	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	1.0	ug/m3
95-49-8	126.6	2-Chlorotoluene [b]	ND	0.80	0.29	ppbv		ND	4.1	1.5	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	0.16	ppbv		ND	1.0	1.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.18	ppbv		ND	2.8	0.62	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.16	0.24	ppbv		ND	0.63	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	1.2	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.19	ppbv		ND	2.9	0.68	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	1.7	0.80	0.42	ppbv		8.4	4.0	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane [b]	ND	0.40	0.21	ppbv		ND	3.4	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	15.5	0.80	0.11	ppbv		61.5	3.2	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.16	0.12	ppbv		ND	0.63	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.40	0.53	ppbv		ND	2.4	3.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	0.28	ppbv		ND	0.96	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.40	0.32	ppbv		ND	2.4	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	1.8	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: VP-06-SOILVAPOR
Lab Sample ID: JD91960-2
Matrix: AIR - Soil Vapor Comp. Summa ID: A2050
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 07/09/24
Date Received: 07/10/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	54.7	2.0	1.6	ppbv		103	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	1.4	0.80	0.24	ppbv		6.1	3.5	1.0	ug/m3
141-78-6	88	Ethyl Acetate	75.0	0.80	0.42	ppbv		270	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.80	0.38	ppbv		ND	3.9	1.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	0.20	ppbv		ND	2.8	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.36	ppbv		ND	3.3	1.5	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.36	0.25	ppbv		ND	3.8	2.7	ug/m3
110-54-3	86.18	Hexane	1.1	0.80	0.21	ppbv		3.9	2.8	0.74	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.58	ppbv		ND	3.3	2.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.4	0.80	0.56	ppbv		5.9	2.0	1.4	ug/m3
75-09-2	84.94	Methylene chloride	1.3	0.80	0.53	ppbv		4.5	2.8	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.3	0.80	0.44	ppbv		6.8	2.4	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.29	ppbv		ND	3.3	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	1.2	ug/m3
80-62-6	100.12	Methylmethacrylate	0.86	0.80	0.28	ppbv		3.5	3.3	1.1	ug/m3
115-07-1	42	Propylene	ND	2.0	0.57	ppbv		ND	3.4	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.21	ppbv		ND	3.4	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	0.31	ppbv		ND	2.2	1.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	0.19	ppbv		ND	2.7	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.40	0.48	ppbv		ND	3.0	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.80	0.35	ppbv		ND	3.9	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.80	0.32	ppbv		ND	3.9	1.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.58	0.80	0.16	ppbv	J	2.7	3.7	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.95	0.80	0.37	ppbv		2.9	2.4	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.26	0.16	0.056	ppbv		1.8	1.1	0.38	ug/m3
109-99-9	72.11	Tetrahydrofuran	1.8	0.80	0.36	ppbv		5.3	2.4	1.1	ug/m3
108-88-3	92.14	Toluene	3.0	0.80	0.23	ppbv		11	3.0	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	0.25	0.16	0.076	ppbv		1.3	0.86	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	2.2	0.40	0.62	ppbv		12	2.2	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.16	0.28	ppbv		ND	0.41	0.72	ug/m3
108-05-4	86	Vinyl Acetate	1.8	0.80	0.45	ppbv		6.3	2.8	1.6	ug/m3
	106.2	m,p-Xylene	4.5	0.80	0.56	ppbv		20	3.5	2.4	ug/m3
95-47-6	106.2	o-Xylene	1.2	0.80	0.31	ppbv		5.2	3.5	1.3	ug/m3
1330-20-7	106.2	Xylenes (total)	5.7	0.80	0.31	ppbv		25	3.5	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VP-06-SOILVAPOR		
Lab Sample ID:	JD91960-2	**Date Sampled:**	07/09/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A2050	**Date Received:**	07/10/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- 2024 MDL Study - Method: TO-15

AIR CHAIN OF CUSTODY

JD91960 PAGE 1 OF 1

SGS

AIR

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #: JV-24224-79
SGS Quote #: | SGS Job #:

Client / Reporting Information
Company Name: PSandS
Address: 3 Mountainview Rd
City: Warren State: NJ Zip:
Project Contact: Jomas Boyer E-mail: JBoyer@psands.com
Phone #: 732.584.0695 Fax #:

Project Information
Project Name: Edgewater Hudson
Street: 226 Beekman Ave State: NY
City: Sleepy Hollow
Project #: 05302.0001
Client Purchase Order #:

Weather Parameters
Temperature (Fahrenheit)
Start: 95 Maximum: 96
Stop: 92 Minimum: 74
Atmoshpheric Pressure (inches of Hg)
Start: 29.96 Maximum: 29.98
Stop: 29.88 Minimum: 29.88
Other weather comment:

Sampler(s) Name(s)

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis: Full List of USEPA Air Methods Tof. cOrganics-15 (TO-15) for VOCs
1	VP-06-Indoor	I	A1178	6L	FC1116	07/08/24	1430	29	95	RA	07/09/24	1430	6	92	RA	X
2	VP-06-Soil Vapor	SV	A2050	6L	FC1209	07/08/24	1430	27	95	RA	07/09/24	1430	2	92	RA	X

Initial Assessment: WATO
Label Verification:

Turnaround Time (Business days)
- [X] Standard - 15 Days
- [ ] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Other

Approved By: _____
Date: _____

Data Deliverable Information
All NJDEP TO-15 is Mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other:
DKQP reporting

Comments / Remarks
minimum reporting limits of 1 microgram per cubic meter (ug/m3) or less, and a reporting limit of 0.20 microgram per cubic meter (ug/m3) or less for trichloroethene (TCE) and Carbon tetrachloride
Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished by Laboratory: 1	Date Time: 6/8/24 1430	Received By: 1	Relinquished By: 2	Date Time: 7/9/24 1616	Received By: 2
Relinquished by: 3	Date Time: 7-10-24 1817	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

COC CONSIDER PIU

http://www.sgs.com/en/terms-and-conditions

SGS Sample Receipt Summary

Job Number: JD91960 **Client:** PAULUS, SOKOLOWSKI AND SARTOR IN **Project:** SLEEPY HOLLOW

Date / Time Received: 7/10/2024 6:17:00 PM **Delivery Method:** SGS **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JD91960

Requested Date:	7/11/2024	**Received Date:**	7/10/2024
Account Name:	Paulus, Sokolowski and Sartor Inc	**Due Date:**	7/11/2024
Project Description:	Edge on Hudson, Sleepy Hollow, NY	**Deliverable:**	NYASPB
C/O Initiated By:	MARIE_MEI **PM:** MM	**TAT (Days):**	6

==========

Sample #: JD91960-2 **Dept:**

Client ID: VP-06-SOILVAPOR **TAT:** 6

Change: Removed VTO15NYLL; added VTO15NYSVLL.

Above Changes Per: **Date/Time:** 7/11/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Job Change Order: JD91960

Requested Date:	7/11/2024	**Received Date:**	7/10/2024
Account Name:	Paulus, Sokolowski and Sartor Inc	**Due Date:**	7/11/2024
Project Description:	Edge on Hudson, Sleepy Hollow, NY	**Deliverable:**	NYASPB
C/O Initiated By:	MARIE_MEI **PM:** MM	**TAT (Days):**	6

==========

Sample #: JD91960-1, 2 **Dept:**

Client ID: **TAT:** 6

Change: Added comment - run with highest possible injection volume; client would like to meet an RL and MDL of ug/m3 and 0.20 ug/m3 respectively for TCE and Carbon tetrachloride.

Above Changes Per: **Date/Time:** 7/11/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

5.1

5

JD91960: Chain of Custody
Page 4 of 4

Summa Canister and Flow Controller Log

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Received: 07/10/24

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A1178	6	30	06/12/24	ML	CP12749	3W86111.D	JD91960-1	07/15/24	MR	6.5			1
A2050	6	30	06/12/24	ML	CP12724	3W86113.D	JD91960-2	07/15/24	MR	2			1

SGS Bottle Order(s):
JV-061224-79

Prep Date	Room Temp(F)	Bar Pres "Hg
06/12/24	70	29.92

Internal Sample Tracking Chronicle

Paulus, Sokolowski and Sartor Inc

Job No: JD91960

Edge on Hudson, Sleepy Hollow, NY
Project No: 053020001

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD91960-1	Collected: 09-JUL-24 14:30	By: RA	Received: 10-JUL-24	By: KG		
VP-06-INDOOR						
JD91960-1	TO-15	30-JUL-24 23:55	BK			VTO15NYLL
JD91960-2	Collected: 09-JUL-24 14:30	By: RA	Received: 10-JUL-24	By: KG		
VP-06-SOILVAPOR						
JD91960-2	TO-15	01-AUG-24 06:27	TCH			VTO15NYSVLL

METHODREF	LOGINNUM	DATE RECALC	INSTRUME	PARM_STORED	PARM_SYN	MDLVALUE CURRENT	RDL	UNITS
TO-15	JD57260	5/22/2024	GCMS8W	120-82-1	1,2,4-Trichlorobenzene	0.121	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	541-73-1	m-Dichlorobenzene	0.132	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	91-20-3	Naphthalene	0.127	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	127-18-4	Tetrachloroethylene	0.014	0.04	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	79-01-6	Trichloroethylene	0.019	0.04	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	630-20-6	1,1,1,2-Tetrachloroethane	0.042	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	71-55-6	1,1,1-Trichloroethane	0.078	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	79-34-5	1,1,2,2-Tetrachloroethane	0.048	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	79-00-5	1,1,2-Trichloroethane	0.038	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-34-3	1,1-Dichloroethane	0.057	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-35-4	1,1-Dichloroethylene	0.059	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	96-18-4	1,2,3-Trichloropropane	0.050	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	526-73-8	1,2,3-Trimethylbenzene	0.099	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-63-6	1,2,4-Trimethylbenzene	0.087	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-93-4	1,2-Dibromoethane (EDB)	0.030	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-06-2	1,2-Dichloroethane	0.070	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	78-87-5	1,2-Dichloropropane	0.062	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-67-8	1,3,5-Trimethylbenzene	0.080	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-99-0	1,3-Butadiene	0.084	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	142-28-9	1,3-Dichloropropane	0.057	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	123-91-1	1,4-Dioxane	0.048	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	540-84-1	2,2,4-Trimethylpentane	0.040	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	565-59-3	2,3-Dimethylpentane	0.036	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-08-7	2,4-Dimethylpentane	0.048	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-49-8	2-Chlorotoluene	0.072	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	591-78-6	2-Hexanone	0.145	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-05-1	3-Chloropropene	0.083	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	622-96-8	4-Ethyltoluene	0.095	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	67-64-1	Acetone (2-Propanone)	0.145	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-05-8	Acetonitrile	0.171	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-02-8	Acrolein	0.088	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-13-1	Acrylonitrile	0.091	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	71-43-2	Benzene	0.047	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	100-44-7	Benzyl Chloride	0.125	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-86-1	Bromobenzene	0.055	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-27-4	Bromodichloromethane	0.030	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	593-60-2	Bromoethene	0.061	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-25-2	Bromoform	0.071	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-83-9	Bromomethane	0.069	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-15-0	Carbon disulfide	0.045	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	56-23-5	Carbon tetrachloride	0.040	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-90-7	Chlorobenzene	0.074	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-45-6	Chlorodifluoromethane	0.106	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-00-3	Chloroethane	0.068	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	67-66-3	Chloroform	0.037	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-87-3	Chloromethane	0.090	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	79-38-9	Chlorotrifluoroethene	0.059	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	156-59-2	cis-1,2-Dichloroethylene	0.030	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	10061-01-5	cis-1,3-Dichloropropene	0.062	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	110-82-7	Cyclohexane	0.045	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	124-48-1	Dibromochloromethane	0.052	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-95-3	Dibromomethane	0.053	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-71-8	Dichlorodifluoromethane	0.104	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-43-4	Dichlorofluoromethane	0.066	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-20-3	Di-Isopropyl ether	0.082	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	64-17-5	Ethanol	0.394	0.5	ppbv

TO-15	JD57260	5/22/2024	GCMS7W	141-78-6	Ethyl Acetate	0.104	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	140-88-5	Ethyl Acrylate	0.105	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	100-41-4	Ethylbenzene	0.061	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	76-13-1	Freon 113	0.031	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	76-14-2	Freon 114	0.050	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	306-83-2	Freon 123	0.035	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	354-23-4	Freon 123A	0.082	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-68-3	Freon 142B	0.070	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-37-6	Freon 152A	0.060	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	142-82-5	Heptane	0.091	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	87-68-3	Hexachlorobutadiene	0.062	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	67-72-1	Hexachloroethane	0.082	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	110-54-3	Hexane	0.052	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-88-4	Iodomethane	0.037	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	67-63-0	Isopropyl Alcohol	0.141	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	98-82-8	Isopropylbenzene	0.064	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	M,P-XYLENE	m,p-Xylene	0.139	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	78-93-3	Methyl ethyl ketone	0.110	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-10-1	Methyl Isobutyl Ketone	0.073	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	1634-04-4	Methyl Tert Butyl Ether	0.080	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-09-2	Methylene chloride	0.133	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	80-62-6	Methylmethacrylate	0.070	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-97-8	n-Butane	0.106	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	104-51-8	n-Butylbenzene	0.106	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	111-84-2	Nonane	0.100	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	103-65-1	n-Propylbenzene	0.091	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	111-65-9	Octane	0.120	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-50-1	o-Dichlorobenzene	0.069	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-47-6	o-Xylene	0.077	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-46-7	p-Dichlorobenzene	0.079	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	109-66-0	Pentane	0.138	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	99-87-6	p-Isopropyltoluene	0.080	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	115-07-1	Propylene	0.142	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	135-98-8	sec-Butylbenzene	0.081	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	100-42-5	Styrene	0.053	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	98-06-6	tert-Butylbenzene	0.083	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-65-0	Tertiary Butyl Alcohol	0.093	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	109-99-9	Tetrahydrofuran	0.090	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-88-3	Toluene	0.057	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	156-60-5	trans-1,2-Dichloroethylene	0.028	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	10061-02-6	trans-1,3-Dichloropropene	0.101	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-69-4	Trichlorofluoromethane	0.154	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	C AS EQUIV PENT	TVHC As Equiv Pentane	0.136	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-05-4	Vinyl Acetate	0.112	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-01-4	Vinyl chloride	0.069	0.2	ppbv

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W249-MB	8W06497.D	1	07/30/24	BK	n/a	n/a	V8W249

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-1

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W249-MB	8W06497.D	1	07/30/24	BK	n/a	n/a	V8W249

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-1

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W249-MB	8W06497.D	1	07/30/24	BK	n/a	n/a	V8W249

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-1

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	79%	65-128%

Method Blank Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W250-MB	8W06533.D	1	07/31/24	TCH	n/a	n/a	V8W250

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-2

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W250-MB	8W06533.D	1	07/31/24	TCH	n/a	n/a	V8W250

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-2

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W250-MB	8W06533.D	1	07/31/24	TCH	n/a	n/a	V8W250

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-2

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	65-128%

Method Blank Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W222-MB	7W05816.D	1	03/30/24	TS	n/a	n/a	V7W222

The QC reported here applies to the following samples: **Method:** TO-15

V7W222-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.024	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W222-MB	7W05816.D	1	03/30/24	TS	n/a	n/a	V7W222

The QC reported here applies to the following samples: **Method:** TO-15

V7W222-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W222-MB	7W05816.D	1	03/30/24	TS	n/a	n/a	V7W222

The QC reported here applies to the following samples: **Method:** TO-15

V7W222-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.62	8.6	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W236-MB	7W06248.D	1	04/19/24	BK	n/a	n/a	V7W236

The QC reported here applies to the following samples: **Method:** TO-15

V7W236-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.024	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W236-MB	7W06248.D	1	04/19/24	BK	n/a	n/a	V7W236

The QC reported here applies to the following samples: **Method:** TO-15

V7W236-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W236-MB	7W06248.D	1	04/19/24	BK	n/a	n/a	V7W236

The QC reported here applies to the following samples: **Method:** TO-15

V7W236-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	91%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W249-BS	8W06490.D	1	07/30/24	BK	n/a	n/a	V8W249
V8W249-BSD	8W06491.D	1	07/30/24	BK	n/a	n/a	V8W249

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.4	82	8.1	79	4	70-130/30
106-99-0	1,3-Butadiene	10.8	10.1	94	9.8	91	3	70-130/30
71-43-2	Benzene	11	11.3	103	10.8	98	5	70-130/30
75-27-4	Bromodichloromethane	10.5	11.3	108	10.8	103	5	70-130/30
75-25-2	Bromoform	10.7	15.1	141* [a]	14.5	136* [a]	4	70-130/30
74-83-9	Bromomethane	10.5	10.1	96	9.7	92	4	70-130/30
593-60-2	Bromoethene	10.6	10.9	103	10.3	97	6	70-130/30
100-44-7	Benzyl Chloride	10.4	11.5	111	10.9	105	5	70-130/30
75-15-0	Carbon disulfide	10.6	10.1	95	9.6	91	5	70-130/30
108-90-7	Chlorobenzene	10.8	13.1	121	12.6	117	4	70-130/30
75-00-3	Chloroethane	10.4	9.2	88	8.8	85	4	70-130/30
67-66-3	Chloroform	10.8	10.4	96	9.9	92	5	70-130/30
74-87-3	Chloromethane	10.4	10.5	101	9.8	94	7	70-130/30
107-05-1	3-Chloropropene	10.5	8.8	84	8.2	78	7	70-130/30
95-49-8	2-Chlorotoluene	10.3	14.3	139* [a]	13.8	134* [a]	4	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.2	113	11.6	107	5	70-130/30
110-82-7	Cyclohexane	10.9	13.3	122	12.7	117	5	70-130/30
75-34-3	1,1-Dichloroethane	10.7	10.6	99	10.1	94	5	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.3	96	9.8	92	5	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	13.6	124	12.9	117	5	70-130/30
107-06-2	1,2-Dichloroethane	10.9	9.4	86	8.9	82	5	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.3	108	10.9	104	4	70-130/30
123-91-1	1,4-Dioxane	10.5	13.1	125	12.5	119	5	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	9.7	92	9.3	88	4	70-130/30
124-48-1	Dibromochloromethane	10.5	13.9	132* [a]	13.1	125	6	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.8	112	11.3	108	4	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	12.1	113	11.5	107	5	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.7	119	12.2	114	4	70-130/30
541-73-1	m-Dichlorobenzene	10.4	13.1	126	12.7	122	3	70-130/30
95-50-1	o-Dichlorobenzene	10.7	12.9	121	12.4	116	4	70-130/30
106-46-7	p-Dichlorobenzene	10.9	13.6	125	13.3	122	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	11.7	115	11.1	109	5	70-130/30
64-17-5	Ethanol	10.2	9.8	96	9.4	92	4	70-130/30
100-41-4	Ethylbenzene	11	12.9	117	12.4	113	4	70-130/30
141-78-6	Ethyl Acetate	10.8	11.0	102	10.4	96	6	70-130/30
622-96-8	4-Ethyltoluene	10.9	13.8	127	13.5	124	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W249-BS	8W06490.D	1	07/30/24	BK	n/a	n/a	V8W249
V8W249-BSD	8W06491.D	1	07/30/24	BK	n/a	n/a	V8W249

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	11.3	107	10.7	101	5	70-130/30
76-14-2	Freon 114	11	10.9	99	10.3	94	6	70-130/30
142-82-5	Heptane	11	12.0	109	11.4	104	5	70-130/30
87-68-3	Hexachlorobutadiene	10.8	10.1	94	9.8	91	3	70-130/30
110-54-3	Hexane	10.8	11.0	102	10.8	100	2	70-130/30
591-78-6	2-Hexanone	10.6	12.5	118	12.0	113	4	70-130/30
67-63-0	Isopropyl Alcohol	10.6	9.4	89	9.0	85	4	70-130/30
75-09-2	Methylene chloride	10.5	8.8	84	8.3	79	6	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.9	110	11.6	107	3	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	12.4	115	11.7	108	6	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	10.6	98	10.2	94	4	70-130/30
80-62-6	Methylmethacrylate	10.9	13.0	119	12.4	114	5	70-130/30
115-07-1	Propylene	10.9	9.4	86	8.9	82	5	70-130/30
100-42-5	Styrene	11	15.0	136* [b]	14.4	131* [b]	4	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	10.6	98	10.1	94	5	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	12.3	113	11.8	108	4	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	12.3	115	11.8	110	4	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	11.6	106	11.3	104	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.8	116	12.3	112	4	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	13.4	123	12.9	118	4	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	11.6	107	11.0	102	5	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	9.0	91	8.6	87	5	70-130/30
127-18-4	Tetrachloroethylene	10.9	13.2	121	12.6	116	5	70-130/30
109-99-9	Tetrahydrofuran	10.5	11.5	110	10.8	103	6	70-130/30
108-88-3	Toluene	10.6	12.8	121	12.2	115	5	70-130/30
79-01-6	Trichloroethylene	10.5	11.7	111	11.1	106	5	70-130/30
75-69-4	Trichlorofluoromethane	10.6	9.7	92	9.2	87	5	70-130/30
75-01-4	Vinyl chloride	10.3	9.8	95	9.2	89	6	70-130/30
108-05-4	Vinyl Acetate	10.4	11.4	110	11.0	106	4	70-130/30
	m,p-Xylene	21.4	24.3	114	23.3	109	4	70-130/30
95-47-6	o-Xylene	10.9	12.6	116	12.2	112	3	70-130/30
1330-20-7	Xylenes (total)	32.3	36.9	114	35.4	110	4	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W249-BS	8W06490.D	1	07/30/24	BK	n/a	n/a	V8W249
V8W249-BSD	8W06491.D	1	07/30/24	BK	n/a	n/a	V8W249

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-1

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	86%	86%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.
(b) Outside in house control limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W250-BS	8W06529.D	1	07/31/24	TCH	n/a	n/a	V8W250
V8W250-BSD	8W06530.D	1	07/31/24	TCH	n/a	n/a	V8W250

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.0	78	7.7	75	4	70-130/30
106-99-0	1,3-Butadiene	10.8	9.7	90	9.5	88	2	70-130/30
71-43-2	Benzene	11	10.4	95	10.1	92	3	70-130/30
75-27-4	Bromodichloromethane	10.5	11.0	105	10.6	101	4	70-130/30
75-25-2	Bromoform	10.7	15.2	142* [a]	14.5	136* [a]	5	70-130/30
74-83-9	Bromomethane	10.5	9.7	92	9.5	90	2	70-130/30
593-60-2	Bromoethene	10.6	10.4	98	10.2	96	2	70-130/30
100-44-7	Benzyl Chloride	10.4	11.0	106	10.4	100	6	70-130/30
75-15-0	Carbon disulfide	10.6	9.7	92	9.6	91	1	70-130/30
108-90-7	Chlorobenzene	10.8	12.3	114	12.0	111	2	70-130/30
75-00-3	Chloroethane	10.4	8.6	83	8.6	83	0	70-130/30
67-66-3	Chloroform	10.8	9.8	91	9.6	89	2	70-130/30
74-87-3	Chloromethane	10.4	9.6	92	9.7	93	1	70-130/30
107-05-1	3-Chloropropene	10.5	8.6	82	8.4	80	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	13.7	133* [a]	13.2	128	4	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.9	110	11.5	106	3	70-130/30
110-82-7	Cyclohexane	10.9	12.3	113	12.0	110	2	70-130/30
75-34-3	1,1-Dichloroethane	10.7	9.9	93	9.7	91	2	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.1	94	9.8	92	3	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.8	116	12.5	114	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	9.1	83	8.9	82	2	70-130/30
78-87-5	1,2-Dichloropropane	10.5	10.4	99	10.1	96	3	70-130/30
123-91-1	1,4-Dioxane	10.5	12.1	115	11.9	113	2	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	9.3	88	9.8	92	5	70-130/30
124-48-1	Dibromochloromethane	10.5	13.8	131* [a]	13.2	126	4	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.1	106	10.9	104	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.3	106	10.9	102	4	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.8	110	11.5	107	3	70-130/30
541-73-1	m-Dichlorobenzene	10.4	12.8	123	12.4	119	3	70-130/30
95-50-1	o-Dichlorobenzene	10.7	12.6	118	12.3	115	2	70-130/30
106-46-7	p-Dichlorobenzene	10.9	13.3	122	12.9	118	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	11.0	108	10.7	105	3	70-130/30
64-17-5	Ethanol	10.2	9.1	89	9.0	88	1	70-130/30
100-41-4	Ethylbenzene	11	12.2	111	11.8	107	3	70-130/30
141-78-6	Ethyl Acetate	10.8	10.1	94	9.7	90	4	70-130/30
622-96-8	4-Ethyltoluene	10.9	13.3	122	12.9	118	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W250-BS	8W06529.D	1	07/31/24	TCH	n/a	n/a	V8W250
V8W250-BSD	8W06530.D	1	07/31/24	TCH	n/a	n/a	V8W250

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	11.4	108	10.9	103	4	70-130/30
76-14-2	Freon 114	11	10.6	96	9.3	85	13	70-130/30
142-82-5	Heptane	11	11.0	100	10.8	98	2	70-130/30
87-68-3	Hexachlorobutadiene	10.8	11.1	103	10.8	100	3	70-130/30
110-54-3	Hexane	10.8	10.2	94	10.0	93	2	70-130/30
591-78-6	2-Hexanone	10.6	11.5	108	11.3	107	2	70-130/30
67-63-0	Isopropyl Alcohol	10.6	9.0	85	8.8	83	2	70-130/30
75-09-2	Methylene chloride	10.5	8.5	81	8.3	79	2	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.1	103	10.9	101	2	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	11.4	106	11.1	103	3	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	10.1	94	9.9	92	2	70-130/30
80-62-6	Methylmethacrylate	10.9	11.9	109	11.6	106	3	70-130/30
115-07-1	Propylene	10.9	8.5	78	8.5	78	0	70-130/30
100-42-5	Styrene	11	14.1	128	13.7	125	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	10.4	96	10.1	94	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.5	106	11.2	103	3	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.4	107	11.1	104	3	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	12.2	112	11.6	106	5	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.3	112	12.1	110	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	12.8	117	12.3	113	4	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	10.6	98	10.4	96	2	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	8.7	88	8.4	85	4	70-130/30
127-18-4	Tetrachloroethylene	10.9	12.9	118	12.6	116	2	70-130/30
109-99-9	Tetrahydrofuran	10.5	10.5	100	10.3	98	2	70-130/30
108-88-3	Toluene	10.6	11.9	112	11.7	110	2	70-130/30
79-01-6	Trichloroethylene	10.5	10.9	104	10.8	103	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	9.5	90	9.2	87	3	70-130/30
75-01-4	Vinyl chloride	10.3	9.2	89	9.1	88	1	70-130/30
108-05-4	Vinyl Acetate	10.4	11.0	106	10.5	101	5	70-130/30
	m,p-Xylene	21.4	23.1	108	22.4	105	3	70-130/30
95-47-6	o-Xylene	10.9	12.0	110	11.6	106	3	70-130/30
1330-20-7	Xylenes (total)	32.3	35.1	109	34.1	106	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V8W250-BS	8W06529.D	1	07/31/24	TCH	n/a	n/a	V8W250
V8W250-BSD	8W06530.D	1	07/31/24	TCH	n/a	n/a	V8W250

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-2

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	88%	87%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W222-BS	7W05813.D	1	03/30/24	TS	n/a	n/a	V7W222
V7W222-BSD	7W05814.D	1	03/30/24	TS	n/a	n/a	V7W222

The QC reported here applies to the following samples: **Method:** TO-15

V7W222-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	7.9	79	7.8	78	1	70-130/30
106-99-0	1,3-Butadiene	10	9.4	94	9.4	94	0	70-130/30
71-43-2	Benzene	10	8.1	81	8.2	82	1	70-130/30
75-27-4	Bromodichloromethane	10	10.3	103	10.5	105	2	70-130/30
75-25-2	Bromoform	10	13.0	130	13.3	133* [a]	2	70-130/30
74-83-9	Bromomethane	10	9.3	93	9.4	94	1	70-130/30
593-60-2	Bromoethene	10	9.4	94	9.4	94	0	70-130/30
100-44-7	Benzyl Chloride	10	8.0	80	8.3	83	4	70-130/30
75-15-0	Carbon disulfide	10	8.5	85	8.5	85	0	70-130/30
108-90-7	Chlorobenzene	10	9.7	97	9.8	98	1	70-130/30
75-00-3	Chloroethane	10	8.5	85	8.6	86	1	70-130/30
67-66-3	Chloroform	10	8.6	86	8.6	86	0	70-130/30
74-87-3	Chloromethane	10	9.4	94	9.6	96	2	70-130/30
107-05-1	3-Chloropropene	10	8.5	85	8.6	86	1	70-130/30
95-49-8	2-Chlorotoluene	10	10.1	101	10.4	104	3	70-130/30
56-23-5	Carbon tetrachloride	10	10.9	109	11.0	110	1	70-130/30
110-82-7	Cyclohexane	10	9.0	90	9.2	92	2	70-130/30
75-34-3	1,1-Dichloroethane	10	8.4	84	8.5	85	1	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.2	92	9.1	91	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	10.3	103	10.5	105	2	70-130/30
107-06-2	1,2-Dichloroethane	10	8.2	82	8.2	82	0	70-130/30
78-87-5	1,2-Dichloropropane	10	8.9	89	9.0	90	1	70-130/30
123-91-1	1,4-Dioxane	10	9.5	95	9.7	97	2	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.0	90	9.1	91	1	70-130/30
124-48-1	Dibromochloromethane	10	12.3	123	12.5	125	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.0	90	9.0	90	0	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.0	90	9.1	91	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	9.1	91	9.4	94	3	70-130/30
541-73-1	m-Dichlorobenzene	10	10.0	100	10.2	102	2	70-130/30
95-50-1	o-Dichlorobenzene	10	9.9	99	10.2	102	3	70-130/30
106-46-7	p-Dichlorobenzene	10	10.1	101	10.3	103	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	8.6	86	8.9	89	3	70-130/30
64-17-5	Ethanol	10	9.6	96	9.7	97	1	70-130/30
100-41-4	Ethylbenzene	10	9.2	92	9.3	93	1	70-130/30
141-78-6	Ethyl Acetate	10	9.2	92	9.3	93	1	70-130/30
622-96-8	4-Ethyltoluene	10	9.6	96	9.8	98	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W222-BS	7W05813.D	1	03/30/24	TS	n/a	n/a	V7W222
V7W222-BSD	7W05814.D	1	03/30/24	TS	n/a	n/a	V7W222

The QC reported here applies to the following samples: **Method:** TO-15

V7W222-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.1	101	10.2	102	1	70-130/30
76-14-2	Freon 114	10	9.0	90	9.1	91	1	70-130/30
142-82-5	Heptane	10	9.7	97	9.8	98	1	70-130/30
87-68-3	Hexachlorobutadiene	10	9.8	98	10	100	2	70-130/30
110-54-3	Hexane	10	8.7	87	8.8	88	1	70-130/30
591-78-6	2-Hexanone	10	8.9	89	8.9	89	0	70-130/30
67-63-0	Isopropyl Alcohol	10	9.0	90	9.0	90	0	70-130/30
75-09-2	Methylene chloride	10	8.8	88	8.8	88	0	70-130/30
78-93-3	Methyl ethyl ketone	10	8.0	80	8.1	81	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	9.2	92	9.3	93	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	7.4	74	7.5	75	1	70-130/30
80-62-6	Methylmethacrylate	10	8.7	87	8.9	89	2	70-130/30
115-07-1	Propylene	10	8.4	84	8.4	84	0	70-130/30
100-42-5	Styrene	10	9.8	98	10	100	2	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.1	91	9.2	92	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	9.1	91	9.3	93	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.0	90	9.2	92	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	9.3	93	9.5	95	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	9.5	95	9.7	97	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.4	94	9.6	96	2	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	9.1	91	9.1	91	0	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	8.3	83	8.4	84	1	70-130/30
127-18-4	Tetrachloroethylene	10	9.8	98	10	100	2	70-130/30
109-99-9	Tetrahydrofuran	10	8.2	82	8.3	83	1	70-130/30
108-88-3	Toluene	10	9.3	93	9.4	94	1	70-130/30
79-01-6	Trichloroethylene	10	9.5	95	9.7	97	2	70-130/30
75-69-4	Trichlorofluoromethane	10	9.4	94	9.5	95	1	70-130/30
75-01-4	Vinyl chloride	10	9.0	90	9.0	90	0	70-130/30
108-05-4	Vinyl Acetate	10	8.9	89	9.1	91	2	70-130/30
	m,p-Xylene	20	18.2	91	18.4	92	1	70-130/30
95-47-6	o-Xylene	10	9.1	91	9.2	92	1	70-130/30
1330-20-7	Xylenes (total)	30	27.3	91	27.6	92	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W222-BS	7W05813.D	1	03/30/24	TS	n/a	n/a	V7W222
V7W222-BSD	7W05814.D	1	03/30/24	TS	n/a	n/a	V7W222

The QC reported here applies to the following samples: **Method:** TO-15

V7W222-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	91%	90%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W236-BS	7W06243.D	1	04/19/24	BK	n/a	n/a	V7W236
V7W236-BSD	7W06244.D	1	04/19/24	BK	n/a	n/a	V7W236

The QC reported here applies to the following samples: **Method:** TO-15

V7W236-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	9.6	96	9.3	93	3	70-130/30
106-99-0	1,3-Butadiene	10	11.8	118	11.4	114	3	70-130/30
71-43-2	Benzene	10	8.3	83	8.1	81	2	70-130/30
75-27-4	Bromodichloromethane	10	10.9	109	10.5	105	4	70-130/30
75-25-2	Bromoform	10	14.7	147* [a]	13.9	139* [a]	6	70-130/30
74-83-9	Bromomethane	10	11.6	116	11.1	111	4	70-130/30
593-60-2	Bromoethene	10	11.6	116	11.1	111	4	70-130/30
100-44-7	Benzyl Chloride	10	9.7	97	9.5	95	2	70-130/30
75-15-0	Carbon disulfide	10	10.6	106	10.1	101	5	70-130/30
108-90-7	Chlorobenzene	10	10.5	105	10.2	102	3	70-130/30
75-00-3	Chloroethane	10	10.7	107	10.3	103	4	70-130/30
67-66-3	Chloroform	10	8.9	89	8.6	86	3	70-130/30
74-87-3	Chloromethane	10	11.5	115	9.4	94	20	70-130/30
107-05-1	3-Chloropropene	10	10.1	101	9.9	99	2	70-130/30
95-49-8	2-Chlorotoluene	10	11.3	113	11.1	111	2	70-130/30
56-23-5	Carbon tetrachloride	10	11.9	119	11.5	115	3	70-130/30
110-82-7	Cyclohexane	10	9.4	94	9.0	90	4	70-130/30
75-34-3	1,1-Dichloroethane	10	8.3	83	8.0	80	4	70-130/30
75-35-4	1,1-Dichloroethylene	10	11.2	112	10.9	109	3	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	11.1	111	10.8	108	3	70-130/30
107-06-2	1,2-Dichloroethane	10	8.1	81	7.8	78	4	70-130/30
78-87-5	1,2-Dichloropropane	10	9.0	90	8.6	86	5	70-130/30
123-91-1	1,4-Dioxane	10	11.0	110	10.1	101	9	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.1	101	9.6	96	5	70-130/30
124-48-1	Dibromochloromethane	10	13.6	136* [a]	13.0	130	5	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.4	94	9.2	92	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.3	93	9.0	90	3	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10	100	9.6	96	4	70-130/30
541-73-1	m-Dichlorobenzene	10	11.1	111	10.8	108	3	70-130/30
95-50-1	o-Dichlorobenzene	10	10.9	109	10.5	105	4	70-130/30
106-46-7	p-Dichlorobenzene	10	11.2	112	10.9	109	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10.1	101	9.6	96	5	70-130/30
64-17-5	Ethanol	10	12.9	129	12.3	123	5	70-130/30
100-41-4	Ethylbenzene	10	9.7	97	9.4	94	3	70-130/30
141-78-6	Ethyl Acetate	10	8.8	88	8.6	86	2	70-130/30
622-96-8	4-Ethyltoluene	10	10.4	104	10.2	102	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W236-BS	7W06243.D	1	04/19/24	BK	n/a	n/a	V7W236
V7W236-BSD	7W06244.D	1	04/19/24	BK	n/a	n/a	V7W236

The QC reported here applies to the following samples: **Method:** TO-15

V7W236-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	12.5	125	12.0	120	4	70-130/30
76-14-2	Freon 114	10	11.5	115	10.6	106	8	70-130/30
142-82-5	Heptane	10	9.5	95	9.1	91	4	70-130/30
87-68-3	Hexachlorobutadiene	10	9.8	98	9.6	96	2	70-130/30
110-54-3	Hexane	10	8.3	83	8.1	81	2	70-130/30
591-78-6	2-Hexanone	10	12.1	121	10.2	102	17	70-130/30
67-63-0	Isopropyl Alcohol	10	11.6	116	11.7	117	1	70-130/30
75-09-2	Methylene chloride	10	10.1	101	9.9	99	2	70-130/30
78-93-3	Methyl ethyl ketone	10	8.1	81	7.9	79	2	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	9.5	95	9.1	91	4	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	8.3	83	8.0	80	4	70-130/30
80-62-6	Methylmethacrylate	10	9.3	93	8.8	88	6	70-130/30
115-07-1	Propylene	10	8.5	85	8.2	82	4	70-130/30
100-42-5	Styrene	10	10.4	104	10.0	100	4	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.1	101	9.8	98	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	9.3	93	9.1	91	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.5	95	9.1	91	4	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	8.2	82	8.0	80	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	10.5	105	10.1	101	4	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	10.4	104	10.1	101	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	9.3	93	8.7	87	7	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.0	100	9.7	97	3	70-130/30
127-18-4	Tetrachloroethylene	10	11.5	115	11.1	111	4	70-130/30
109-99-9	Tetrahydrofuran	10	8.3	83	8.1	81	2	70-130/30
108-88-3	Toluene	10	9.8	98	9.4	94	4	70-130/30
79-01-6	Trichloroethylene	10	10.3	103	10.0	100	3	70-130/30
75-69-4	Trichlorofluoromethane	10	12.1	121	11.9	119	2	70-130/30
75-01-4	Vinyl chloride	10	11.0	110	10.5	105	5	70-130/30
108-05-4	Vinyl Acetate	10	9.6	96	9.3	93	3	70-130/30
	m,p-Xylene	20	19.2	96	18.8	94	2	70-130/30
95-47-6	o-Xylene	10	9.7	97	9.4	94	3	70-130/30
1330-20-7	Xylenes (total)	30	28.9	96	28.2	94	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W236-BS	7W06243.D	1	04/19/24	BK	n/a	n/a	V7W236
V7W236-BSD	7W06244.D	1	04/19/24	BK	n/a	n/a	V7W236

The QC reported here applies to the following samples: **Method:** TO-15

V7W236-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	93%	93%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD91786-1DUP	8W06503.D	1	07/30/24	BK	n/a	n/a	V8W249
JD91786-1	8W06502.D	1	07/30/24	BK	n/a	n/a	V8W249

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-1

CAS No.	Compound	JD91786-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	3.1		3.1		0	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	0.12	J	0.13	J	8	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	0.65		0.69		6	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	0.15	J	0.14	J	7	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.30		0.32		6	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	5.3		5.3		0	25
100-41-4	Ethylbenzene	ND		ND		nc	25
141-78-6	Ethyl Acetate	ND		ND		nc	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD91786-1DUP	8W06503.D	1	07/30/24	BK	n/a	n/a	V8W249
JD91786-1	8W06502.D	1	07/30/24	BK	n/a	n/a	V8W249

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-1

CAS No.	Compound	JD91786-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	0.11	J	0.12	J	9	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	0.33		0.33		0	25
591-78-6	2-Hexanone	0.21		0.21		0	25
67-63-0	Isopropyl Alcohol	0.35		0.36		3	25
75-09-2	Methylene chloride	ND		ND		nc	25
78-93-3	Methyl ethyl ketone	0.68		0.65		5	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	0.18	J	0.18	J	0	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	ND		ND		nc	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	0.44		0.43		2	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-69-4	Trichlorofluoromethane	0.18	J	0.19	J	5	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	0.29		0.29		0	25
	m,p-Xylene	0.22		0.24		9	25
95-47-6	o-Xylene	0.10	J	0.11	J	10	25
1330-20-7	Xylenes (total)	0.32		0.35		9	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD91786-1DUP	8W06503.D	1	07/30/24	BK	n/a	n/a	V8W249
JD91786-1	8W06502.D	1	07/30/24	BK	n/a	n/a	V8W249

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-1

CAS No.	Surrogate Recoveries	DUP	JD91786-1	Limits
460-00-4	4-Bromofluorobenzene	85%	85%	65-128%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD91882-2DUP	8W06538.D	1	07/31/24	TCH	n/a	n/a	V8W250
JD91882-2	8W06537.D	1	07/31/24	TCH	n/a	n/a	V8W250

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-2

CAS No.	Compound	JD91882-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	33.7		32.6		3	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	1.9		1.8		5	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	0.19	J	0.18	J	5	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	0.57		0.64		12	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	1.6		1.5		6	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.35		0.33		6	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	39.2		38.0		3	25
100-41-4	Ethylbenzene	1.4		1.3		7	25
141-78-6	Ethyl Acetate	2.8		2.7		4	25
622-96-8	4-Ethyltoluene	0.25		0.29		15	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD91882-2DUP	8W06538.D	1	07/31/24	TCH	n/a	n/a	V8W250
JD91882-2	8W06537.D	1	07/31/24	TCH	n/a	n/a	V8W250

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-2

CAS No.	Compound	JD91882-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	0.10	J	0.092	J	8	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	2.2		2.1		5	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	5.0		4.9		2	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	3.6		3.5		3	25
75-09-2	Methylene chloride	1.0		0.94		6	25
78-93-3	Methyl ethyl ketone	2.3		2.1		9	25
108-10-1	Methyl Isobutyl Ketone	1.1		1.1		0	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	0.23		0.23		0	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	1.2		1.2		0	25
108-67-8	1,3,5-Trimethylbenzene	0.29		0.28		4	25
540-84-1	2,2,4-Trimethylpentane	3.5		3.4		3	25
75-65-0	Tertiary Butyl Alcohol	0.16	J	0.14	J	13	25
127-18-4	Tetrachloroethylene	0.047		0.041		14	25
109-99-9	Tetrahydrofuran	0.33		0.38		14	25
108-88-3	Toluene	15.0		14.6		3	25
79-01-6	Trichloroethylene	0.79		0.78		1	25
75-69-4	Trichlorofluoromethane	0.35		0.34		3	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	4.4		4.3		2	25
95-47-6	o-Xylene	1.5		1.4		7	25
1330-20-7	Xylenes (total)	5.9		5.7		3	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD91882-2DUP	8W06538.D	1	07/31/24	TCH	n/a	n/a	V8W250
JD91882-2	8W06537.D	1	07/31/24	TCH	n/a	n/a	V8W250

The QC reported here applies to the following samples: **Method:** TO-15

JD91960-2

CAS No.	Surrogate Recoveries	DUP	JD91882-2	Limits
460-00-4	4-Bromofluorobenzene	88%	87%	65-128%

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W222-SCC	7W05820.D	1	03/30/24	TS	n/a	n/a	V7W222

The QC reported here (Summa A2141) applies to the following samples: **Method:** TO-15

Batch CP12724 cleaned 03/27/24: JD91960-2(A2050)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.024	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W222-SCC	7W05820.D	1	03/30/24	TS	n/a	n/a	V7W222

The QC reported here (Summa A2141) applies to the following samples: **Method:** TO-15

Batch CP12724 cleaned 03/27/24: JD91960-2(A2050)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W222-SCC	7W05820.D	1	03/30/24	TS	n/a	n/a	V7W222

The QC reported here (Summa A2141) applies to the following samples: **Method:** TO-15

Batch CP12724 cleaned 03/27/24: JD91960-2(A2050)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	65-128%

Summa Cleaning Certification

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W236-SCC	7W06252.D	1	04/20/24	BK	n/a	n/a	V7W236

The QC reported here (Summa A1282) applies to the following samples: **Method:** TO-15

Batch CP12749 cleaned 04/07/24: JD91960-1(A1178)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.024	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W236-SCC	7W06252.D	1	04/20/24	BK	n/a	n/a	V7W236

The QC reported here (Summa A1282) applies to the following samples: **Method:** TO-15

Batch CP12749 cleaned 04/07/24: JD91960-1(A1178)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W236-SCC	7W06252.D	1	04/20/24	BK	n/a	n/a	V7W236

The QC reported here (Summa A1282) applies to the following samples: **Method:** TO-15

Batch CP12749 cleaned 04/07/24: JD91960-1(A1178)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	89%	65-128%

Instrument Performance Check (BFB)

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W201-BFB
Lab File ID: 7W05122.D
Instrument ID: GCMS7W
Injection Date: 03/03/24
Injection Time: 01:33

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	17760	23.3		Pass
75	30.0 - 66.0% of mass 95	37779	49.5		Pass
95	Base peak, 100% relative abundance	76341	100.0		Pass
96	5.0 - 9.0% of mass 95	4920	6.44		Pass
173	Less than 2.0% of mass 174	176	0.23	(0.31) [a]	Pass
174	50.0 - 120.0% of mass 95	57005	74.7		Pass
175	4.0 - 9.01% of mass 174	4049	5.30	(7.10) [a]	Pass
176	93.0 - 101.0% of mass 174	54421	71.3	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3543	4.64	(6.51) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W201-IC0201	7W05123.D	03/03/24	02:06	00:33	Initial cal 0.04
V7W201-IC0201	7W05124.D	03/03/24	02:40	01:07	Initial cal 0.10
V7W201-IC0201	7W05125.D	03/03/24	03:15	01:42	Initial cal 0.20
V7W201-IC0201	7W05126.D	03/03/24	03:52	02:19	Initial cal 0.50
V7W201-IC0201	7W05127.D	03/03/24	04:26	02:53	Initial cal 5
V7W201-ICC0201	7W05128.D	03/03/24	05:02	03:29	Initial cal 10
V7W201-IC0201	7W05129.D	03/03/24	05:38	04:05	Initial cal 20
V7W201-IC0201	7W05130.D	03/03/24	06:19	04:46	Initial cal 40
V7W201-IC0201	7W05131.D	03/03/24	07:01	05:28	Initial cal 50
V7W201-ICV0201	7W05135.D	03/03/24	09:19	07:46	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample:	V7W222-BFB	**Injection Date:**	03/30/24
Lab File ID:	7W05811.D	**Injection Time:**	10:39
Instrument ID:	GCMS7W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	15485	21.7		Pass
75	30.0 - 66.0% of mass 95	32667	45.8		Pass
95	Base peak, 100% relative abundance	71357	100.0		Pass
96	5.0 - 9.0% of mass 95	4705	6.59		Pass
173	Less than 2.0% of mass 174	151	0.21	(0.25) [a]	Pass
174	50.0 - 120.0% of mass 95	59677	83.6		Pass
175	4.0 - 9.01% of mass 174	4269	5.98	(7.15) [a]	Pass
176	93.0 - 101.0% of mass 174	58504	82.0	(98.0) [a]	Pass
177	5.0 - 9.0% of mass 176	3624	5.08	(6.19) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W222-CC201	7W05812.D	03/30/24	11:15	00:36	Continuing cal 10
V7W222-BS	7W05813.D	03/30/24	11:50	01:11	Blank Spike
V7W222-BSD	7W05814.D	03/30/24	12:25	01:46	Blank Spike Duplicate
V7W222-MB	7W05816.D	03/30/24	13:45	03:06	Method Blank
V7W222-SCC	7W05817.D	03/30/24	14:31	03:52	Summa Cleaning Certification
V7W222-SCC	7W05818.D	03/30/24	15:12	04:33	Summa Cleaning Certification
V7W222-SCC	7W05819.D	03/30/24	15:52	05:13	Summa Cleaning Certification
V7W222-SCC	7W05820.D	03/30/24	16:32	05:53	Summa Cleaning Certification
V7W222-SCC	7W05821.D	03/30/24	17:12	06:33	Summa Cleaning Certification
V7W222-SCC	7W05822.D	03/30/24	17:52	07:13	Summa Cleaning Certification
ZZZZZZ	7W05824.D	03/30/24	18:56	08:17	(unrelated sample)
ZZZZZZ	7W05825.D	03/30/24	19:33	08:54	(unrelated sample)
ZZZZZZ	7W05826.D	03/30/24	20:09	09:30	(unrelated sample)
JD83649-4R	7W05827.D	03/30/24	20:56	10:17	(used for QC only; not part of job JD91960)
JD83649-4RDUP	7W05828.D	03/30/24	21:45	11:06	Duplicate
ZZZZZZ	7W05829.D	03/30/24	22:53	12:14	(unrelated sample)
ZZZZZZ	7W05830.D	03/30/24	23:34	12:55	(unrelated sample)
ZZZZZZ	7W05831.D	03/31/24	00:15	13:36	(unrelated sample)
ZZZZZZ	7W05832.D	03/31/24	00:52	14:13	(unrelated sample)
ZZZZZZ	7W05833.D	03/31/24	01:32	14:53	(unrelated sample)
ZZZZZZ	7W05834.D	03/31/24	02:13	15:34	(unrelated sample)
ZZZZZZ	7W05835.D	03/31/24	02:54	16:15	(unrelated sample)
ZZZZZZ	7W05836.D	03/31/24	03:35	16:56	(unrelated sample)
ZZZZZZ	7W05837.D	03/31/24	04:16	17:37	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample:	V7W222-BFB	**Injection Date:**	03/30/24
Lab File ID:	7W05811.D	**Injection Time:**	10:39
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	7W05839.D	03/31/24	05:24	18:45	(unrelated sample)
ZZZZZZ	7W05841.D	03/31/24	06:32	19:53	(unrelated sample)
ZZZZZZ	7W05843.D	03/31/24	07:43	21:04	(unrelated sample)
ZZZZZZ	7W05845.D	03/31/24	08:52	22:13	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample:	V7W236-BFB	**Injection Date:**	04/19/24
Lab File ID:	7W06241.D	**Injection Time:**	18:46
Instrument ID:	GCMS7W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	13019	20.0		Pass
75	30.0 - 66.0% of mass 95	28773	44.3		Pass
95	Base peak, 100% relative abundance	64968	100.0		Pass
96	5.0 - 9.0% of mass 95	4519	6.96		Pass
173	Less than 2.0% of mass 174	369	0.57	(0.66) [a]	Pass
174	50.0 - 120.0% of mass 95	55768	85.8		Pass
175	4.0 - 9.01% of mass 174	4114	6.33	(7.38) [a]	Pass
176	93.0 - 101.0% of mass 174	53008	81.6	(95.1) [a]	Pass
177	5.0 - 9.0% of mass 176	3490	5.37	(6.58) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W236-CC201	7W06242.D	04/19/24	19:22	00:36	Continuing cal 10
V7W236-BS	7W06243.D	04/19/24	19:58	01:12	Blank Spike
V7W236-BSD	7W06244.D	04/19/24	20:33	01:47	Blank Spike Duplicate
V7W236-MB	7W06248.D	04/19/24	23:05	04:19	Method Blank
V7W236-SCC	7W06249.D	04/19/24	23:46	05:00	Summa Cleaning Certification
V7W236-SCC	7W06250.D	04/20/24	00:26	05:40	Summa Cleaning Certification
V7W236-SCC	7W06251.D	04/20/24	01:06	06:20	Summa Cleaning Certification
V7W236-SCC	7W06252.D	04/20/24	01:46	07:00	Summa Cleaning Certification
V7W236-SCC	7W06253.D	04/20/24	02:26	07:40	Summa Cleaning Certification
V7W236-SCC	7W06254.D	04/20/24	03:06	08:20	Summa Cleaning Certification
V7W236-SCC	7W06255.D	04/20/24	03:46	09:00	Summa Cleaning Certification
V7W236-SCC	7W06256.D	04/20/24	04:26	09:40	Summa Cleaning Certification
V7W236-SCC	7W06257.D	04/20/24	05:06	10:20	Summa Cleaning Certification
V7W236-SCC	7W06258.D	04/20/24	05:47	11:01	Summa Cleaning Certification
V7W236-SCC	7W06259.D	04/20/24	06:27	11:41	Summa Cleaning Certification
V7W236-SCC	7W06260.D	04/20/24	07:07	12:21	Summa Cleaning Certification
V7W236-SCC	7W06261.D	04/20/24	07:48	13:02	Summa Cleaning Certification
V7W236-SCC	7W06264.D	04/20/24	09:49	15:03	Summa Cleaning Certification
V7W236-SCC	7W06266.D	04/20/24	11:29	16:43	Summa Cleaning Certification
V7W236-SCC	7W06267.D	04/20/24	12:09	17:23	Summa Cleaning Certification
V7W236-SCC	7W06268.D	04/20/24	12:44	17:58	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W244-BFB
Lab File ID: 8W06379.D
Instrument ID: GCMS8W
Injection Date: 07/22/24
Injection Time: 22:21

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	36384	22.0		Pass
75	30.0 - 66.0% of mass 95	94352	57.0		Pass
95	Base peak, 100% relative abundance	165440	100.0		Pass
96	5.0 - 9.0% of mass 95	10872	6.57		Pass
173	Less than 2.0% of mass 174	1310	0.79	(1.03) [a]	Pass
174	50.0 - 120.0% of mass 95	126965	76.7		Pass
175	4.0 - 9.01% of mass 174	9320	5.63	(7.34) [a]	Pass
176	93.0 - 101.0% of mass 174	123125	74.4	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	8080	4.88	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V8W244-IC244	8W06380.D	07/22/24	22:55	00:34	Initial cal 0.04
V8W244-IC244	8W06381.D	07/22/24	23:30	01:09	Initial cal 0.1
V8W244-IC244	8W06382.D	07/23/24	00:06	01:45	Initial cal 0.2
V8W244-IC244	8W06386.D	07/23/24	02:37	04:16	Initial cal 5
V8W244-ICC244	8W06387.D	07/23/24	03:13	04:52	Initial cal 10
V8W244-IC244	8W06388.D	07/23/24	03:49	05:28	Initial cal 20
V8W244-IC244	8W06389.D	07/23/24	04:29	06:08	Initial cal 40
V8W244-IC244	8W06390.D	07/23/24	05:10	06:49	Initial cal 50
V8W244-IC244	8W06400.D	07/23/24	14:46	16:25	Initial cal 0.5
V8W244-ICV244	8W06402.D	07/23/24	16:47	18:26	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W249-BFB
Lab File ID: 8W06488.D
Instrument ID: GCMS8W
Injection Date: 07/30/24
Injection Time: 02:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	30213	18.7		Pass
75	30.0 - 66.0% of mass 95	77571	48.1		Pass
95	Base peak, 100% relative abundance	161344	100.0		Pass
96	5.0 - 9.0% of mass 95	10488	6.50		Pass
173	Less than 2.0% of mass 174	1068	0.66	(0.73) [a]	Pass
174	50.0 - 120.0% of mass 95	146133	90.6		Pass
175	4.0 - 9.01% of mass 174	10583	6.56	(7.24) [a]	Pass
176	93.0 - 101.0% of mass 174	141269	87.6	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	8863	5.49	(6.27) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V8W249-CC244	8W06489.D	07/30/24	03:09	00:34	Continuing cal 10
V8W249-BS	8W06490.D	07/30/24	03:43	01:08	Blank Spike
V8W249-BSD	8W06491.D	07/30/24	04:17	01:42	Blank Spike Duplicate
V8W249-MB	8W06497.D	07/30/24	08:05	05:30	Method Blank
V8W249-SCC	8W06498.D	07/30/24	08:44	06:09	Summa Cleaning Certification
V8W249-SCC	8W06499.D	07/30/24	09:23	06:48	Summa Cleaning Certification
V8W249-SCC	8W06500.D	07/30/24	10:02	07:27	Summa Cleaning Certification
JD91786-1	8W06502.D	07/30/24	11:29	08:54	(used for QC only; not part of job JD91960)
JD91786-1DUP	8W06503.D	07/30/24	12:10	09:35	Duplicate
ZZZZZZ	8W06504.D	07/30/24	12:53	10:18	(unrelated sample)
ZZZZZZ	8W06505.D	07/30/24	13:37	11:02	(unrelated sample)
ZZZZZZ	8W06506.D	07/30/24	14:21	11:46	(unrelated sample)
ZZZZZZ	8W06507.D	07/30/24	15:01	12:26	(unrelated sample)
ZZZZZZ	8W06508.D	07/30/24	15:47	13:12	(unrelated sample)
ZZZZZZ	8W06509.D	07/30/24	16:31	13:56	(unrelated sample)
ZZZZZZ	8W06510.D	07/30/24	17:11	14:36	(unrelated sample)
ZZZZZZ	8W06511.D	07/30/24	17:51	15:16	(unrelated sample)
ZZZZZZ	8W06512.D	07/30/24	18:35	16:00	(unrelated sample)
ZZZZZZ	8W06513.D	07/30/24	19:22	16:47	(unrelated sample)
ZZZZZZ	8W06514.D	07/30/24	20:05	17:30	(unrelated sample)
ZZZZZZ	8W06515.D	07/30/24	20:54	18:19	(unrelated sample)
ZZZZZZ	8W06518.D	07/30/24	22:40	20:05	(unrelated sample)
JD91960-1	8W06520.D	07/30/24	23:55	21:20	VP-06-INDOOR
ZZZZZZ	8W06521.D	07/31/24	00:30	21:55	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample:	V8W249-BFB	**Injection Date:**	07/30/24
Lab File ID:	8W06488.D	**Injection Time:**	02:35
Instrument ID:	GCMS8W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	8W06522.D	07/31/24	01:04	22:29	(unrelated sample)
ZZZZZZ	8W06523.D	07/31/24	01:39	23:04	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W250-BFB
Lab File ID: 8W06527.D
Instrument ID: GCMS8W
Injection Date: 07/31/24
Injection Time: 11:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	39867	19.1		Pass
75	30.0 - 66.0% of mass 95	104085	49.8		Pass
95	Base peak, 100% relative abundance	209012	100.0		Pass
96	5.0 - 9.0% of mass 95	13884	6.64		Pass
173	Less than 2.0% of mass 174	1672	0.80	(0.85) [a]	Pass
174	50.0 - 120.0% of mass 95	195584	93.6		Pass
175	4.0 - 9.01% of mass 174	14068	6.73	(7.19) [a]	Pass
176	93.0 - 101.0% of mass 174	191189	91.5	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	12157	5.82	(6.36) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V8W250-CC244	8W06528.D	07/31/24	12:28	00:34	Continuing cal 10
V8W250-BS	8W06529.D	07/31/24	13:22	01:28	Blank Spike
V8W250-BSD	8W06530.D	07/31/24	13:55	02:01	Blank Spike Duplicate
V8W250-MB	8W06533.D	07/31/24	16:33	04:39	Method Blank
V8W250-SCC	8W06534.D	07/31/24	17:23	05:29	Summa Cleaning Certification
V8W250-SCC	8W06535.D	07/31/24	17:57	06:03	Summa Cleaning Certification
ZZZZZZ	8W06536.D	07/31/24	18:37	06:43	(unrelated sample)
JD91882-2	8W06537.D	07/31/24	19:17	07:23	(used for QC only; not part of job JD91960)
JD91882-2DUP	8W06538.D	07/31/24	19:58	08:04	Duplicate
ZZZZZZ	8W06539.D	07/31/24	20:38	08:44	(unrelated sample)
ZZZZZZ	8W06540.D	07/31/24	21:19	09:25	(unrelated sample)
ZZZZZZ	8W06541.D	07/31/24	21:59	10:05	(unrelated sample)
ZZZZZZ	8W06542.D	07/31/24	22:39	10:45	(unrelated sample)
ZZZZZZ	8W06543.D	07/31/24	23:20	11:26	(unrelated sample)
ZZZZZZ	8W06544.D	08/01/24	00:00	12:06	(unrelated sample)
ZZZZZZ	8W06545.D	08/01/24	00:40	12:46	(unrelated sample)
ZZZZZZ	8W06546.D	08/01/24	01:20	13:26	(unrelated sample)
ZZZZZZ	8W06547.D	08/01/24	02:00	14:06	(unrelated sample)
ZZZZZZ	8W06548.D	08/01/24	02:40	14:46	(unrelated sample)
ZZZZZZ	8W06549.D	08/01/24	03:21	15:27	(unrelated sample)
ZZZZZZ	8W06550.D	08/01/24	04:02	16:08	(unrelated sample)
ZZZZZZ	8W06551.D	08/01/24	04:38	16:44	(unrelated sample)
ZZZZZZ	8W06552.D	08/01/24	05:14	17:20	(unrelated sample)
ZZZZZZ	8W06553.D	08/01/24	05:51	17:57	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample:	V8W250-BFB	**Injection Date:**	07/31/24
Lab File ID:	8W06527.D	**Injection Time:**	11:54
Instrument ID:	GCMS8W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JD91960-2	8W06554.D	08/01/24	06:27	18:33	VP-06-SOILVAPOR
ZZZZZZ	8W06556.D	08/01/24	07:38	19:44	(unrelated sample)
ZZZZZZ	8W06557.D	08/01/24	08:13	20:19	(unrelated sample)
V8W250-SCC	8W06559.D	08/01/24	09:27	21:33	Summa Cleaning Certification

Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	V7W222-CC201	**Injection Date:**	03/30/24
Lab File ID:	7W05812.D	**Injection Time:**	11:15
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	77843	3.28	378206	4.56	352752	10.14
Upper Limit [a]	108980	3.61	529488	4.89	493853	10.47
Lower Limit [b]	46706	2.95	226924	4.23	211651	9.81

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W222-BS	76258	3.28	371052	4.56	346063	10.14
V7W222-BSD	76297	3.28	368461	4.56	344284	10.14
V7W222-MB	77817	3.28	382389	4.56	351165	10.14
V7W222-SCC	76817	3.28	380646	4.56	347874	10.14
V7W222-SCC	76994	3.28	381146	4.56	348578	10.14
V7W222-SCC	76999	3.28	379529	4.56	346558	10.14
V7W222-SCC	78085	3.28	380769	4.56	348981	10.13
V7W222-SCC	76914	3.28	381751	4.56	348333	10.14
V7W222-SCC	75259	3.28	372629	4.56	338180	10.13
ZZZZZZ	68099	3.29	334466	4.57	315874	10.14
ZZZZZZ	69229	3.30	340338	4.58	318115	10.14
ZZZZZZ	67844	3.29	330824	4.57	314352	10.14
JD83649-4R	73359	3.28	357324	4.56	332322	10.14
JD83649-4RDUP	72368	3.28	354428	4.56	331235	10.14
ZZZZZZ	68182	3.28	329964	4.56	320177	10.14
ZZZZZZ	70188	3.28	349278	4.56	326146	10.14
ZZZZZZ	70129	3.28	340771	4.56	321278	10.14
ZZZZZZ	69349	3.28	343110	4.56	321872	10.14
ZZZZZZ	70581	3.28	346038	4.56	321964	10.14
ZZZZZZ	71516	3.28	351081	4.56	326770	10.14
ZZZZZZ	69037	3.28	339824	4.56	318914	10.14
ZZZZZZ	69847	3.29	345929	4.57	320389	10.14
ZZZZZZ	67316	3.30	328351	4.57	311718	10.14
ZZZZZZ	71843	3.29	355228	4.58	331025	10.14
ZZZZZZ	71190	3.29	349643	4.57	326499	10.14
ZZZZZZ	70587	3.29	347575	4.57	325366	10.14
ZZZZZZ	71085	3.29	350603	4.57	325897	10.14

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	V7W236-CC201	**Injection Date:**	04/19/24
Lab File ID:	7W06242.D	**Injection Time:**	19:22
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	66291	3.28	313263	4.57	295065	10.14
Upper Limit [a]	92807	3.61	438568	4.90	413091	10.47
Lower Limit [b]	39775	2.95	187958	4.24	177039	9.81

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W236-BS	65723	3.28	305957	4.56	291112	10.14
V7W236-BSD	67488	3.28	316343	4.56	297919	10.14
V7W236-MB	67040	3.28	317657	4.56	298048	10.14
V7W236-SCC	67475	3.28	315791	4.56	296161	10.14
V7W236-SCC	66171	3.28	312446	4.56	292897	10.14
V7W236-SCC	66794	3.28	316961	4.56	295545	10.14
V7W236-SCC	66004	3.28	309848	4.56	290326	10.14
V7W236-SCC	66438	3.28	312816	4.56	294299	10.14
V7W236-SCC	64900	3.28	305923	4.56	287082	10.13
V7W236-SCC	66376	3.28	309633	4.56	291618	10.14
V7W236-SCC	66084	3.28	309959	4.56	290242	10.13
V7W236-SCC	71425	3.28	336831	4.56	284294	10.14
V7W236-SCC	66453	3.28	311406	4.56	290930	10.14
V7W236-SCC	75461	3.28	346180	4.56	322401	10.14
V7W236-SCC	65135	3.28	307312	4.56	289380	10.14
V7W236-SCC	66932	3.28	310367	4.56	291139	10.14
V7W236-SCC	61485	3.29	291581	4.57	274781	10.14
V7W236-SCC	63231	3.29	298322	4.57	281694	10.14
V7W236-SCC	69823	3.29	329576	4.57	306335	10.14
V7W236-SCC	69566	3.29	330738	4.57	309997	10.14

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	V8W249-CC244	**Injection Date:**	07/30/24
Lab File ID:	8W06489.D	**Injection Time:**	03:09
Instrument ID:	GCMS8W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	192183	3.46	881848	4.85	803168	10.70
Upper Limit [a]	269056	3.79	1234587	5.18	1124435	11.03
Lower Limit [b]	115310	3.13	529109	4.52	481901	10.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V8W249-BS	198923	3.46	919086	4.86	836312	10.70
V8W249-BSD	205055	3.46	944673	4.85	852375	10.70
V8W249-MB	194617	3.45	902831	4.85	795739	10.69
V8W249-SCC	191152	3.46	881608	4.85	778228	10.69
V8W249-SCC	190895	3.46	882580	4.85	773579	10.69
V8W249-SCC	189576	3.46	880020	4.85	774795	10.69
JD91786-1	191084	3.46	885089	4.85	782020	10.69
JD91786-1DUP	197068	3.46	922141	4.85	808054	10.69
ZZZZZZ	194761	3.46	893189	4.85	776158	10.69
ZZZZZZ	195926	3.45	908168	4.85	793765	10.69
ZZZZZZ	181957	3.45	840996	4.85	743259	10.69
ZZZZZZ	174827	3.46	824920	4.85	729727	10.69
ZZZZZZ	177387	3.46	825265	4.85	738586	10.69
ZZZZZZ	193501	3.46	892515	4.85	775836	10.69
ZZZZZZ	200371	3.46	927195	4.85	811968	10.69
ZZZZZZ	201860	3.46	925755	4.85	800284	10.69
ZZZZZZ	211317	3.46	963389	4.85	824369	10.69
ZZZZZZ	202744	3.46	921237	4.85	792508	10.69
ZZZZZZ	206468	3.46	982890	4.86	852697	10.69
ZZZZZZ	208880	3.46	1003018	4.85	874309	10.69
ZZZZZZ	216476	3.46	990064	4.85	850934	10.70
JD91960-1	211604	3.46	970251	4.85	829659	10.69
ZZZZZZ	195250	3.46	895687	4.85	784377	10.69
ZZZZZZ	222861	3.46	1014941	4.85	875651	10.70
ZZZZZZ	199576	3.46	912195	4.86	792753	10.70

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	V8W250-CC244	**Injection Date:**	07/31/24
Lab File ID:	8W06528.D	**Injection Time:**	12:28
Instrument ID:	GCMS8W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	197552	3.46	918964	4.85	830026	10.70
Upper Limit [a]	276573	3.79	1286550	5.18	1162036	11.03
Lower Limit [b]	118531	3.13	551378	4.52	498016	10.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V8W250-BS	197400	3.46	911347	4.85	816532	10.69
V8W250-BSD	201507	3.46	928461	4.85	845379	10.70
V8W250-MB	220988	3.45	1008895	4.85	867022	10.69
V8W250-SCC	201922	3.46	928205	4.85	814245	10.69
V8W250-SCC	224120	3.46	1019616	4.85	878112	10.69
ZZZZZZ	190332	3.46	894200	4.85	804373	10.69
JD91882-2	187490	3.46	880130	4.85	790029	10.69
JD91882-2DUP	194421	3.46	907023	4.85	818519	10.69
ZZZZZZ	208411	3.46	958431	4.85	840931	10.69
ZZZZZZ	218927	3.46	1009120	4.85	880262	10.69
ZZZZZZ	205509	3.46	960459	4.85	862575	10.69
ZZZZZZ	224874	3.46	1051049	4.85	922147	10.69
ZZZZZZ	199398	3.46	941077	4.85	840595	10.69
ZZZZZZ	221814	3.46	1023309	4.85	886247	10.69
ZZZZZZ	201099	3.46	926225	4.85	808829	10.69
ZZZZZZ	221291	3.46	1014687	4.85	875851	10.69
ZZZZZZ	221705	3.45	1015688	4.85	873140	10.69
ZZZZZZ	216969	3.46	994065	4.85	867042	10.69
ZZZZZZ	215328	3.46	992849	4.85	859408	10.69
ZZZZZZ	204121	3.46	934601	4.85	818713	10.69
ZZZZZZ	192483	3.46	888066	4.85	778582	10.69
ZZZZZZ	181280	3.46	818638	4.85	731954	10.69
ZZZZZZ	202817	3.46	924355	4.85	803131	10.69
JD91960-2	220331	3.46	1023497	4.86	875435	10.69
ZZZZZZ	170620	3.46	776708	4.85	705718	10.69
ZZZZZZ	173236	3.46	791874	4.85	716764	10.69
V8W250-SCC	162058	3.46	744621	4.85	664232	10.69

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetonitrile	2.07	3.28	0.631	ok	0.630	0.570-0.690
Benzene	4.23	3.28	1.290	ok	1.292	1.232-1.352
Bromobenzene	13.84	10.14	1.365	ok	1.365	1.305-1.425
Bromodichloromethane	5.08	4.56	1.114	ok	1.114	1.054-1.174
n-Butane	1.86	3.28	0.567	ok	0.568	0.508-0.628
Carbon disulfide	2.54	3.28	0.774	ok	0.774	0.714-0.834
Chlorobenzene	10.22	10.14	1.008	ok	1.007	0.947-1.067
Chloroform	3.35	3.28	1.021	ok	1.022	0.962-1.082
1,1-Dichloroethane	2.84	3.28	0.866	ok	0.866	0.806-0.926
1,2-Dibromoethane (EDB)	8.16	4.56	1.789	ok	1.788	1.728-1.848
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.147	1.087-1.207
1,3-Dichloropropane	7.33	4.56	1.607	ok	1.609	1.549-1.669
Dichlorodifluoromethane	1.70	3.28	0.518	ok	0.518	0.458-0.578
Dichlorofluoromethane	2.00	3.28	0.610	ok	0.609	0.549-0.669
Dibromomethane	4.87	4.56	1.068	ok	1.067	1.007-1.127
cis-1,3-Dichloropropene	6.07	4.56	1.331	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.14	1.642	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.14	1.681	ok	1.682	1.622-1.742
p-Dichlorobenzene	16.74	10.14	1.651	ok	1.651	1.591-1.711
2,4-Dimethylpentane	3.85	3.28	1.174	ok	1.174	1.114-1.234
Ethylbenzene	11.10	10.14	1.095	ok	1.094	1.034-1.154
Ethyl Acrylate	5.04	4.56	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.75	10.14	1.553	ok	1.554	1.494-1.614
Freon 114	1.78	3.28	0.543	ok	0.543	0.483-0.603
Freon 123	2.12	3.28	0.646	ok	0.646	0.586-0.706
Freon 142B	1.74	3.28	0.530	ok	0.530	0.470-0.590
Heptane	5.54	4.56	1.215	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.65	10.14	1.839	ok	1.840	1.780-1.900
Hexane	3.33	3.28	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.91	4.56	1.735	ok	1.729	1.669-1.789
Iodomethane	2.38	3.28	0.726	ok	0.725	0.665-0.785
Methyl Tert Butyl Ether	2.89	3.28	0.881	ok	0.878	0.818-0.938
Naphthalene	18.39	10.14	1.814	ok	1.814	1.754-1.874
Nonane	13.57	10.14	1.338	ok	1.340	1.280-1.400
Octane	9.15	4.56	2.007	ok	2.007	1.947-2.067
Pentane	2.32	3.28	0.707	ok	0.707	0.647-0.767
Styrene	12.24	10.14	1.207	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.93	3.28	1.198	ok	1.197	1.137-1.257
1,1,2,2-Tetrachloroethane	12.46	10.14	1.229	ok	1.230	1.170-1.290

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trichlorobenzene	18.34	10.14	1.809	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.74	10.14	1.256	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.00	10.14	1.677	ok	1.677	1.617-1.737
1,2,4-Trimethylbenzene	16.58	10.14	1.635	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.02	10.14	1.580	ok	1.580	1.520-1.640
2,2,4-Trimethylpentane	5.23	4.56	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.46	3.28	0.750	ok	0.744	0.684-0.804
Tetrachloroethylene	9.00	4.56	1.974	ok	1.975	1.915-2.035
Toluene	7.28	4.56	1.596	ok	1.597	1.537-1.657
Trichloroethylene	5.14	4.56	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.20	3.28	0.671	ok	0.671	0.611-0.731
m,p-Xylene	11.48	10.14	1.132	ok	1.136	1.076-1.196
o-Xylene	12.45	10.14	1.228	ok	1.229	1.169-1.289

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	67227	ok	68673	41204-96142
1,4-Difluorobenzene	4.56	ok	4.56	4.23-4.89	349915	ok	352547	211528-493566
Chlorobenzene-D5	10.14	ok	10.14	9.81-10.47	315979	ok	323378	194027-452729

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.16	3.28	0.659	ok	0.655	0.595-0.715
Acrolein	2.11	3.28	0.643	ok	0.642	0.582-0.702
Acrylonitrile	2.29	3.28	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.07	3.28	0.631	ok	0.630	0.570-0.690
1,3-Butadiene	1.85	3.28	0.564	ok	0.564	0.504-0.624
Benzene	4.24	3.28	1.293	ok	1.292	1.232-1.352
Bromobenzene	13.83	10.13	1.365	ok	1.365	1.305-1.425
Bromodichloromethane	5.08	4.56	1.114	ok	1.114	1.054-1.174
Bromoform	11.34	10.13	1.119	ok	1.118	1.058-1.178
Bromomethane	1.92	3.28	0.585	ok	0.586	0.526-0.646
Bromoethene	2.07	3.28	0.631	ok	0.631	0.571-0.691
n-Butane	1.87	3.28	0.570	ok	0.568	0.508-0.628
Benzyl Chloride	16.68	10.13	1.647	ok	1.645	1.585-1.705
n-Butylbenzene	17.42	10.13	1.720	ok	1.719	1.659-1.779
sec-Butylbenzene	16.87	10.13	1.665	ok	1.665	1.605-1.725
tert-Butylbenzene	16.57	10.13	1.636	ok	1.636	1.576-1.696
Carbon disulfide	2.54	3.28	0.774	ok	0.774	0.714-0.834
Chlorobenzene	10.21	10.13	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.68	3.28	0.512	ok	0.511	0.451-0.571
Chloroethane	1.97	3.28	0.601	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.69	3.28	0.515	ok	0.515	0.455-0.575
Chloroform	3.35	3.28	1.021	ok	1.022	0.962-1.082
Chloromethane	1.75	3.28	0.534	ok	0.534	0.474-0.594
3-Chloropropene	2.48	3.28	0.756	ok	0.756	0.696-0.816
2-Chlorotoluene	14.98	10.13	1.479	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.28	1.323	ok	1.326	1.266-1.386
Cyclohexane	4.45	4.56	0.976	ok	0.976	0.916-1.036
1,1-Dichloroethane	2.84	3.28	0.866	ok	0.866	0.806-0.926
1,1-Dichloroethylene	2.40	3.28	0.732	ok	0.733	0.673-0.793
1,2-Dibromoethane (EDB)	8.15	4.56	1.787	ok	1.788	1.728-1.848
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.90	4.56	1.075	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.34	4.56	1.610	ok	1.609	1.549-1.669
1,4-Dioxane	5.26	4.56	1.154	ok	1.138	1.078-1.198
Dichlorodifluoromethane	1.70	3.28	0.518	ok	0.518	0.458-0.578
Dichlorofluoromethane	2.00	3.28	0.610	ok	0.609	0.549-0.669
Dibromochloromethane	7.81	4.56	1.713	ok	1.713	1.653-1.773
Dibromomethane	4.87	4.56	1.068	ok	1.067	1.007-1.127
trans-1,2-Dichloroethylene	2.77	3.28	0.845	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.21	3.28	0.979	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.08	4.56	1.333	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.13	1.644	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.13	1.683	ok	1.682	1.622-1.742
p-Dichlorobenzene	16.73	10.13	1.652	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.75	4.56	1.480	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.35	3.28	1.021	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.56	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	3.85	3.28	1.174	ok	1.174	1.114-1.234
Ethylbenzene	11.08	10.13	1.094	ok	1.094	1.034-1.154
Ethyl Acetate	3.36	3.28	1.024	ok	1.020	0.960-1.080
Ethyl Acrylate	5.04	4.56	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.76	10.13	1.556	ok	1.554	1.494-1.614
Freon 113	2.53	3.28	0.771	ok	0.772	0.712-0.832
Freon 114	1.78	3.28	0.543	ok	0.543	0.483-0.603
Freon 123	2.12	3.28	0.646	ok	0.646	0.586-0.706
Freon 123A	2.14	3.28	0.652	ok	0.652	0.592-0.712
Freon 142B	1.74	3.28	0.530	ok	0.530	0.470-0.590
Freon 152A	1.67	3.28	0.509	ok	0.507	0.447-0.567
Heptane	5.55	4.56	1.217	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.65	10.13	1.841	ok	1.840	1.780-1.900
Hexachloroethane	17.61	10.13	1.738	ok	1.737	1.677-1.797
Hexane	3.33	3.28	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.91	4.56	1.735	ok	1.729	1.669-1.789
Iodomethane	2.38	3.28	0.726	ok	0.725	0.665-0.785
Isopropylbenzene	13.96	10.13	1.378	ok	1.378	1.318-1.438
Isopropyl Alcohol	2.24	3.28	0.683	ok	0.680	0.620-0.740
p-Isopropyltoluene	17.07	10.13	1.685	ok	1.684	1.624-1.744
Methylene chloride	2.44	3.28	0.744	ok	0.744	0.684-0.804
Methyl ethyl ketone	3.03	3.28	0.924	ok	0.920	0.860-0.980
Methyl Isobutyl Ketone	6.23	4.56	1.366	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.89	3.28	0.881	ok	0.878	0.818-0.938
Methylmethacrylate	5.46	4.56	1.197	ok	1.195	1.135-1.255
Naphthalene	18.39	10.13	1.815	ok	1.814	1.754-1.874
Nonane	13.57	10.13	1.340	ok	1.340	1.280-1.400
Octane	9.15	4.56	2.007	ok	2.007	1.947-2.067
Pentane	2.32	3.28	0.707	ok	0.707	0.647-0.767
n-Propylbenzene	15.31	10.13	1.511	ok	1.511	1.451-1.571
Propylene	1.69	3.28	0.515	ok	0.514	0.454-0.574

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	12.23	10.13	1.207	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.28	1.195	ok	1.197	1.137-1.257
1,1,1,2-Tetrachloroethane	10.23	10.13	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.13	1.231	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.90	4.56	1.513	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.34	10.13	1.810	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.74	10.13	1.258	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.00	10.13	1.678	ok	1.677	1.617-1.737
1,2,4-Trimethylbenzene	16.58	10.13	1.637	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.01	10.13	1.580	ok	1.580	1.520-1.640
2,2,4-Trimethylpentane	5.24	4.56	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.46	3.28	0.750	ok	0.744	0.684-0.804
Tetrachloroethylene	9.00	4.56	1.974	ok	1.975	1.915-2.035
Tetrahydrofuran	3.60	3.28	1.098	ok	1.091	1.031-1.151
Toluene	7.28	4.56	1.596	ok	1.597	1.537-1.657
Trichloroethylene	5.13	4.56	1.125	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.20	3.28	0.671	ok	0.671	0.611-0.731
Vinyl chloride	1.81	3.28	0.552	ok	0.552	0.492-0.612
m,p-Xylene	11.48	10.13	1.133	ok	1.136	1.076-1.196
o-Xylene	12.45	10.13	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.32	10.13	0.229	ok	0.229	0.169-0.289

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	69144	ok	68673	41204-96142
1,4-Difluorobenzene	4.56	ok	4.56	4.23-4.89	357790	ok	352547	211528-493566
Chlorobenzene-D5	10.13	ok	10.14	9.81-10.47	323640	ok	323378	194027-452729

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.16	3.28	0.659	ok	0.655	0.595-0.715
Acrolein	2.11	3.28	0.643	ok	0.642	0.582-0.702
Acrylonitrile	2.29	3.28	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.07	3.28	0.631	ok	0.630	0.570-0.690
1,3-Butadiene	1.85	3.28	0.564	ok	0.564	0.504-0.624
Benzene	4.24	3.28	1.293	ok	1.292	1.232-1.352
Bromobenzene	13.83	10.14	1.364	ok	1.365	1.305-1.425
Bromodichloromethane	5.07	4.56	1.112	ok	1.114	1.054-1.174
Bromoform	11.33	10.14	1.117	ok	1.118	1.058-1.178
Bromomethane	1.93	3.28	0.588	ok	0.586	0.526-0.646
Bromoethene	2.07	3.28	0.631	ok	0.631	0.571-0.691
n-Butane	1.87	3.28	0.570	ok	0.568	0.508-0.628
Benzyl Chloride	16.67	10.14	1.644	ok	1.645	1.585-1.705
n-Butylbenzene	17.42	10.14	1.718	ok	1.719	1.659-1.779
sec-Butylbenzene	16.88	10.14	1.665	ok	1.665	1.605-1.725
tert-Butylbenzene	16.58	10.14	1.635	ok	1.636	1.576-1.696
Carbon disulfide	2.53	3.28	0.771	ok	0.774	0.714-0.834
Chlorobenzene	10.21	10.14	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.68	3.28	0.512	ok	0.511	0.451-0.571
Chloroethane	1.97	3.28	0.601	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.69	3.28	0.515	ok	0.515	0.455-0.575
Chloroform	3.35	3.28	1.021	ok	1.022	0.962-1.082
Chloromethane	1.75	3.28	0.534	ok	0.534	0.474-0.594
3-Chloropropene	2.48	3.28	0.756	ok	0.756	0.696-0.816
2-Chlorotoluene	14.96	10.14	1.475	ok	1.477	1.417-1.537
Carbon tetrachloride	4.35	3.28	1.326	ok	1.326	1.266-1.386
Cyclohexane	4.45	4.56	0.976	ok	0.976	0.916-1.036
1,1-Dichloroethane	2.84	3.28	0.866	ok	0.866	0.806-0.926
1,1-Dichloroethylene	2.41	3.28	0.735	ok	0.733	0.673-0.793
1,2-Dibromoethane (EDB)	8.15	4.56	1.787	ok	1.788	1.728-1.848
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.90	4.56	1.075	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.33	4.56	1.607	ok	1.609	1.549-1.669
1,4-Dioxane	5.24	4.56	1.149	ok	1.138	1.078-1.198
Dichlorodifluoromethane	1.70	3.28	0.518	ok	0.518	0.458-0.578
Dichlorofluoromethane	2.00	3.28	0.610	ok	0.609	0.549-0.669
Dibromochloromethane	7.81	4.56	1.713	ok	1.713	1.653-1.773
Dibromomethane	4.86	4.56	1.066	ok	1.067	1.007-1.127
trans-1,2-Dichloroethylene	2.77	3.28	0.845	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.20	3.28	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.07	4.56	1.331	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.14	1.641	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.04	10.14	1.680	ok	1.682	1.622-1.742
p-Dichlorobenzene	16.74	10.14	1.651	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.75	4.56	1.480	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.35	3.28	1.021	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.56	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	3.85	3.28	1.174	ok	1.174	1.114-1.234
Ethylbenzene	11.10	10.14	1.095	ok	1.094	1.034-1.154
Ethyl Acetate	3.36	3.28	1.024	ok	1.020	0.960-1.080
Ethyl Acrylate	5.04	4.56	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.75	10.14	1.553	ok	1.554	1.494-1.614
Freon 113	2.54	3.28	0.774	ok	0.772	0.712-0.832
Freon 114	1.78	3.28	0.543	ok	0.543	0.483-0.603
Freon 123	2.12	3.28	0.646	ok	0.646	0.586-0.706
Freon 123A	2.14	3.28	0.652	ok	0.652	0.592-0.712
Freon 142B	1.74	3.28	0.530	ok	0.530	0.470-0.590
Freon 152A	1.67	3.28	0.509	ok	0.507	0.447-0.567
Heptane	5.54	4.56	1.215	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.65	10.14	1.839	ok	1.840	1.780-1.900
Hexachloroethane	17.60	10.14	1.736	ok	1.737	1.677-1.797
Hexane	3.33	3.28	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.90	4.56	1.732	ok	1.729	1.669-1.789
Iodomethane	2.38	3.28	0.726	ok	0.725	0.665-0.785
Isopropylbenzene	13.97	10.14	1.378	ok	1.378	1.318-1.438
Isopropyl Alcohol	2.24	3.28	0.683	ok	0.680	0.620-0.740
p-Isopropyltoluene	17.07	10.14	1.683	ok	1.684	1.624-1.744
Methylene chloride	2.44	3.28	0.744	ok	0.744	0.684-0.804
Methyl ethyl ketone	3.03	3.28	0.924	ok	0.920	0.860-0.980
Methyl Isobutyl Ketone	6.23	4.56	1.366	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.88	3.28	0.878	ok	0.878	0.818-0.938
Methylmethacrylate	5.45	4.56	1.195	ok	1.195	1.135-1.255
Naphthalene	18.39	10.14	1.814	ok	1.814	1.754-1.874
Nonane	13.58	10.14	1.339	ok	1.340	1.280-1.400
Octane	9.15	4.56	2.007	ok	2.007	1.947-2.067
Pentane	2.32	3.28	0.707	ok	0.707	0.647-0.767
n-Propylbenzene	15.32	10.14	1.511	ok	1.511	1.451-1.571
Propylene	1.69	3.28	0.515	ok	0.514	0.454-0.574

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	12.24	10.14	1.207	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.28	1.195	ok	1.197	1.137-1.257
1,1,1,2-Tetrachloroethane	10.22	10.14	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.14	1.230	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.56	1.515	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.34	10.14	1.809	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.74	10.14	1.256	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	16.99	10.14	1.676	ok	1.677	1.617-1.737
1,2,4-Trimethylbenzene	16.58	10.14	1.635	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.01	10.14	1.579	ok	1.580	1.520-1.640
2,2,4-Trimethylpentane	5.23	4.56	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.46	3.28	0.750	ok	0.744	0.684-0.804
Tetrachloroethylene	9.00	4.56	1.974	ok	1.975	1.915-2.035
Tetrahydrofuran	3.60	3.28	1.098	ok	1.091	1.031-1.151
Toluene	7.28	4.56	1.596	ok	1.597	1.537-1.657
Trichloroethylene	5.14	4.56	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.20	3.28	0.671	ok	0.671	0.611-0.731
Vinyl chloride	1.81	3.28	0.552	ok	0.552	0.492-0.612
Vinyl Acetate	2.92	3.28	0.890	ok	0.888	0.828-0.948
m,p-Xylene	11.52	10.14	1.136	ok	1.136	1.076-1.196
o-Xylene	12.45	10.14	1.228	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.32	10.14	0.229	ok	0.229	0.169-0.289

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	68426	ok	68673	41204-96142
1,4-Difluorobenzene	4.56	ok	4.56	4.23-4.89	353846	ok	352547	211528-493566
Chlorobenzene-D5	10.14	ok	10.14	9.81-10.47	323134	ok	323378	194027-452729

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.15	3.28	0.655	ok	0.655	0.595-0.715
Acrolein	2.11	3.28	0.643	ok	0.642	0.582-0.702
Acrylonitrile	2.29	3.28	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.07	3.28	0.631	ok	0.630	0.570-0.690
1,3-Butadiene	1.85	3.28	0.564	ok	0.564	0.504-0.624
Benzene	4.24	3.28	1.293	ok	1.292	1.232-1.352
Bromobenzene	13.83	10.13	1.365	ok	1.365	1.305-1.425
Bromodichloromethane	5.08	4.56	1.114	ok	1.114	1.054-1.174
Bromoform	11.33	10.13	1.118	ok	1.118	1.058-1.178
Bromomethane	1.93	3.28	0.588	ok	0.586	0.526-0.646
Bromoethene	2.08	3.28	0.634	ok	0.631	0.571-0.691
n-Butane	1.87	3.28	0.570	ok	0.568	0.508-0.628
Benzyl Chloride	16.67	10.13	1.646	ok	1.645	1.585-1.705
n-Butylbenzene	17.42	10.13	1.720	ok	1.719	1.659-1.779
sec-Butylbenzene	16.88	10.13	1.666	ok	1.665	1.605-1.725
tert-Butylbenzene	16.58	10.13	1.637	ok	1.636	1.576-1.696
Carbon disulfide	2.54	3.28	0.774	ok	0.774	0.714-0.834
Chlorobenzene	10.20	10.13	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.68	3.28	0.512	ok	0.511	0.451-0.571
Chloroethane	1.97	3.28	0.601	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.69	3.28	0.515	ok	0.515	0.455-0.575
Chloroform	3.35	3.28	1.021	ok	1.022	0.962-1.082
Chloromethane	1.75	3.28	0.534	ok	0.534	0.474-0.594
3-Chloropropene	2.48	3.28	0.756	ok	0.756	0.696-0.816
2-Chlorotoluene	14.97	10.13	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.35	3.28	1.326	ok	1.326	1.266-1.386
Cyclohexane	4.45	4.56	0.976	ok	0.976	0.916-1.036
1,1-Dichloroethane	2.84	3.28	0.866	ok	0.866	0.806-0.926
1,1-Dichloroethylene	2.41	3.28	0.735	ok	0.733	0.673-0.793
1,2-Dibromoethane (EDB)	8.15	4.56	1.787	ok	1.788	1.728-1.848
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.90	4.56	1.075	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.34	4.56	1.610	ok	1.609	1.549-1.669
1,4-Dioxane	5.22	4.56	1.145	ok	1.138	1.078-1.198
Dichlorodifluoromethane	1.70	3.28	0.518	ok	0.518	0.458-0.578
Dichlorofluoromethane	2.00	3.28	0.610	ok	0.609	0.549-0.669
Dibromochloromethane	7.81	4.56	1.713	ok	1.713	1.653-1.773
Dibromomethane	4.86	4.56	1.066	ok	1.067	1.007-1.127
trans-1,2-Dichloroethylene	2.76	3.28	0.841	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.20	3.28	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.07	4.56	1.331	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.13	1.643	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.13	1.683	ok	1.682	1.622-1.742
p-Dichlorobenzene	16.73	10.13	1.652	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.75	4.56	1.480	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.35	3.28	1.021	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.56	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	3.85	3.28	1.174	ok	1.174	1.114-1.234
Ethanol	2.02	3.28	0.616	ok	0.612	0.552-0.672
Ethylbenzene	11.09	10.13	1.095	ok	1.094	1.034-1.154
Ethyl Acetate	3.35	3.28	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.04	4.56	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.76	10.13	1.556	ok	1.554	1.494-1.614
Freon 113	2.54	3.28	0.774	ok	0.772	0.712-0.832
Freon 114	1.78	3.28	0.543	ok	0.543	0.483-0.603
Freon 123	2.12	3.28	0.646	ok	0.646	0.586-0.706
Freon 123A	2.14	3.28	0.652	ok	0.652	0.592-0.712
Freon 142B	1.74	3.28	0.530	ok	0.530	0.470-0.590
Freon 152A	1.66	3.28	0.506	ok	0.507	0.447-0.567
Heptane	5.55	4.56	1.217	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.65	10.13	1.841	ok	1.840	1.780-1.900
Hexachloroethane	17.60	10.13	1.737	ok	1.737	1.677-1.797
Hexane	3.33	3.28	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.90	4.56	1.732	ok	1.729	1.669-1.789
Iodomethane	2.38	3.28	0.726	ok	0.725	0.665-0.785
Isopropylbenzene	13.96	10.13	1.378	ok	1.378	1.318-1.438
Isopropyl Alcohol	2.24	3.28	0.683	ok	0.680	0.620-0.740
p-Isopropyltoluene	17.07	10.13	1.685	ok	1.684	1.624-1.744
Methylene chloride	2.44	3.28	0.744	ok	0.744	0.684-0.804
Methyl ethyl ketone	3.02	3.28	0.921	ok	0.920	0.860-0.980
Methyl Isobutyl Ketone	6.22	4.56	1.364	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.88	3.28	0.878	ok	0.878	0.818-0.938
Methylmethacrylate	5.45	4.56	1.195	ok	1.195	1.135-1.255
Naphthalene	18.39	10.13	1.815	ok	1.814	1.754-1.874
Nonane	13.58	10.13	1.341	ok	1.340	1.280-1.400
Octane	9.15	4.56	2.007	ok	2.007	1.947-2.067
Pentane	2.32	3.28	0.707	ok	0.707	0.647-0.767
n-Propylbenzene	15.31	10.13	1.511	ok	1.511	1.451-1.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.69	3.28	0.515	ok	0.514	0.454-0.574
Styrene	12.24	10.13	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.93	3.28	1.198	ok	1.197	1.137-1.257
1,1,1,2-Tetrachloroethane	10.22	10.13	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.13	1.231	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.56	1.515	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.34	10.13	1.810	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.74	10.13	1.258	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	16.99	10.13	1.677	ok	1.677	1.617-1.737
1,2,4-Trimethylbenzene	16.58	10.13	1.637	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.01	10.13	1.580	ok	1.580	1.520-1.640
2,2,4-Trimethylpentane	5.23	4.56	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.46	3.28	0.750	ok	0.744	0.684-0.804
Tetrachloroethylene	9.00	4.56	1.974	ok	1.975	1.915-2.035
Tetrahydrofuran	3.60	3.28	1.098	ok	1.091	1.031-1.151
Toluene	7.28	4.56	1.596	ok	1.597	1.537-1.657
Trichloroethylene	5.14	4.56	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.20	3.28	0.671	ok	0.671	0.611-0.731
Vinyl chloride	1.81	3.28	0.552	ok	0.552	0.492-0.612
Vinyl Acetate	2.91	3.28	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.52	10.13	1.137	ok	1.136	1.076-1.196
o-Xylene	12.46	10.13	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.32	10.13	0.229	ok	0.229	0.169-0.289

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	70800	ok	68673	41204-96142
1,4-Difluorobenzene	4.56	ok	4.56	4.23-4.89	367353	ok	352547	211528-493566
Chlorobenzene-D5	10.13	ok	10.14	9.81-10.47	333281	ok	323378	194027-452729

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	Reporting this level
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.15	3.28	0.655	ok	0.655	0.595-0.715
Acrolein	2.11	3.28	0.643	ok	0.642	0.582-0.702
Acrylonitrile	2.29	3.28	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.06	3.28	0.628	ok	0.630	0.570-0.690
1,3-Butadiene	1.85	3.28	0.564	ok	0.564	0.504-0.624
Benzene	4.24	3.28	1.293	ok	1.292	1.232-1.352
Bromobenzene	13.83	10.14	1.364	ok	1.365	1.305-1.425
Bromodichloromethane	5.08	4.56	1.114	ok	1.114	1.054-1.174
Bromoform	11.33	10.14	1.117	ok	1.118	1.058-1.178
Bromomethane	1.92	3.28	0.585	ok	0.586	0.526-0.646
Bromoethene	2.07	3.28	0.631	ok	0.631	0.571-0.691
n-Butane	1.86	3.28	0.567	ok	0.568	0.508-0.628
Benzyl Chloride	16.67	10.14	1.644	ok	1.645	1.585-1.705
n-Butylbenzene	17.43	10.14	1.719	ok	1.719	1.659-1.779
sec-Butylbenzene	16.88	10.14	1.665	ok	1.665	1.605-1.725
tert-Butylbenzene	16.58	10.14	1.635	ok	1.636	1.576-1.696
Carbon disulfide	2.53	3.28	0.771	ok	0.774	0.714-0.834
Chlorobenzene	10.21	10.14	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.67	3.28	0.509	ok	0.511	0.451-0.571
Chloroethane	1.97	3.28	0.601	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.69	3.28	0.515	ok	0.515	0.455-0.575
Chloroform	3.35	3.28	1.021	ok	1.022	0.962-1.082
Chloromethane	1.75	3.28	0.534	ok	0.534	0.474-0.594
3-Chloropropene	2.48	3.28	0.756	ok	0.756	0.696-0.816
2-Chlorotoluene	14.97	10.14	1.476	ok	1.477	1.417-1.537
Carbon tetrachloride	4.35	3.28	1.326	ok	1.326	1.266-1.386
Cyclohexane	4.44	4.56	0.974	ok	0.976	0.916-1.036
1,1-Dichloroethane	2.84	3.28	0.866	ok	0.866	0.806-0.926
1,1-Dichloroethylene	2.40	3.28	0.732	ok	0.733	0.673-0.793
1,2-Dibromoethane (EDB)	8.15	4.56	1.787	ok	1.788	1.728-1.848
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.90	4.56	1.075	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.33	4.56	1.607	ok	1.609	1.549-1.669
1,4-Dioxane	5.17	4.56	1.134	ok	1.138	1.078-1.198
Dichlorodifluoromethane	1.70	3.28	0.518	ok	0.518	0.458-0.578
Dichlorofluoromethane	1.99	3.28	0.607	ok	0.609	0.549-0.669
Dibromochloromethane	7.81	4.56	1.713	ok	1.713	1.653-1.773
Dibromomethane	4.86	4.56	1.066	ok	1.067	1.007-1.127
trans-1,2-Dichloroethylene	2.76	3.28	0.841	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	Reporting this level
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.20	3.28	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.07	4.56	1.331	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.14	1.642	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.14	1.681	ok	1.682	1.622-1.742
p-Dichlorobenzene	16.74	10.14	1.651	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.75	4.56	1.480	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.28	1.018	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.56	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	3.85	3.28	1.174	ok	1.174	1.114-1.234
Ethanol	2.01	3.28	0.613	ok	0.612	0.552-0.672
Ethylbenzene	11.09	10.14	1.094	ok	1.094	1.034-1.154
Ethyl Acetate	3.34	3.28	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.56	1.103	ok	1.104	1.044-1.164
4-Ethyltoluene	15.75	10.14	1.553	ok	1.554	1.494-1.614
Freon 113	2.53	3.28	0.771	ok	0.772	0.712-0.832
Freon 114	1.78	3.28	0.543	ok	0.543	0.483-0.603
Freon 123	2.12	3.28	0.646	ok	0.646	0.586-0.706
Freon 123A	2.13	3.28	0.649	ok	0.652	0.592-0.712
Freon 142B	1.74	3.28	0.530	ok	0.530	0.470-0.590
Freon 152A	1.66	3.28	0.506	ok	0.507	0.447-0.567
Heptane	5.55	4.56	1.217	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.65	10.14	1.839	ok	1.840	1.780-1.900
Hexachloroethane	17.60	10.14	1.736	ok	1.737	1.677-1.797
Hexane	3.33	3.28	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.88	4.56	1.728	ok	1.729	1.669-1.789
Iodomethane	2.37	3.28	0.723	ok	0.725	0.665-0.785
Isopropylbenzene	13.97	10.14	1.378	ok	1.378	1.318-1.438
Isopropyl Alcohol	2.23	3.28	0.680	ok	0.680	0.620-0.740
p-Isopropyltoluene	17.07	10.14	1.683	ok	1.684	1.624-1.744
Methylene chloride	2.44	3.28	0.744	ok	0.744	0.684-0.804
Methyl ethyl ketone	3.01	3.28	0.918	ok	0.920	0.860-0.980
Methyl Isobutyl Ketone	6.20	4.56	1.360	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.88	3.28	0.878	ok	0.878	0.818-0.938
Methylmethacrylate	5.45	4.56	1.195	ok	1.195	1.135-1.255
Naphthalene	18.39	10.14	1.814	ok	1.814	1.754-1.874
Nonane	13.58	10.14	1.339	ok	1.340	1.280-1.400
Octane	9.15	4.56	2.007	ok	2.007	1.947-2.067
Pentane	2.31	3.28	0.704	ok	0.707	0.647-0.767
n-Propylbenzene	15.31	10.14	1.510	ok	1.511	1.451-1.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	Reporting this level
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.68	3.28	0.512	ok	0.514	0.454-0.574
Styrene	12.24	10.14	1.207	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.93	3.28	1.198	ok	1.197	1.137-1.257
1,1,1,2-Tetrachloroethane	10.22	10.14	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.14	1.230	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.56	1.515	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.34	10.14	1.809	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.75	10.14	1.257	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	16.99	10.14	1.676	ok	1.677	1.617-1.737
1,2,4-Trimethylbenzene	16.59	10.14	1.636	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.01	10.14	1.579	ok	1.580	1.520-1.640
2,2,4-Trimethylpentane	5.23	4.56	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.44	3.28	0.744	ok	0.744	0.684-0.804
Tetrachloroethylene	9.01	4.56	1.976	ok	1.975	1.915-2.035
Tetrahydrofuran	3.57	3.28	1.088	ok	1.091	1.031-1.151
Toluene	7.28	4.56	1.596	ok	1.597	1.537-1.657
Trichloroethylene	5.14	4.56	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.20	3.28	0.671	ok	0.671	0.611-0.731
Vinyl chloride	1.81	3.28	0.552	ok	0.552	0.492-0.612
Vinyl Acetate	2.91	3.28	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.52	10.14	1.136	ok	1.136	1.076-1.196
o-Xylene	12.46	10.14	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.31	10.14	0.228	ok	0.229	0.169-0.289

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	69071	ok	68673	41204-96142
1,4-Difluorobenzene	4.56	ok	4.56	4.23-4.89	355785	ok	352547	211528-493566
Chlorobenzene-D5	10.14	ok	10.14	9.81-10.47	326082	ok	323378	194027-452729

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.15	3.28	0.655	ok	0.655	0.595-0.715
Acrolein	2.11	3.28	0.643	ok	0.642	0.582-0.702
Acrylonitrile	2.29	3.28	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.07	3.28	0.631	ok	0.630	0.570-0.690
1,3-Butadiene	1.85	3.28	0.564	ok	0.564	0.504-0.624
Benzene	4.24	3.28	1.293	ok	1.292	1.232-1.352
Bromobenzene	13.84	10.14	1.365	ok	1.365	1.305-1.425
Bromodichloromethane	5.08	4.56	1.114	ok	1.114	1.054-1.174
Bromoform	11.33	10.14	1.117	ok	1.118	1.058-1.178
Bromomethane	1.92	3.28	0.585	ok	0.586	0.526-0.646
Bromoethene	2.07	3.28	0.631	ok	0.631	0.571-0.691
n-Butane	1.87	3.28	0.570	ok	0.568	0.508-0.628
Benzyl Chloride	16.68	10.14	1.645	ok	1.645	1.585-1.705
n-Butylbenzene	17.43	10.14	1.719	ok	1.719	1.659-1.779
sec-Butylbenzene	16.88	10.14	1.665	ok	1.665	1.605-1.725
tert-Butylbenzene	16.58	10.14	1.635	ok	1.636	1.576-1.696
Carbon disulfide	2.54	3.28	0.774	ok	0.774	0.714-0.834
Chlorobenzene	10.21	10.14	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.68	3.28	0.512	ok	0.511	0.451-0.571
Chloroethane	1.97	3.28	0.601	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.69	3.28	0.515	ok	0.515	0.455-0.575
Chloroform	3.35	3.28	1.021	ok	1.022	0.962-1.082
Chloromethane	1.75	3.28	0.534	ok	0.534	0.474-0.594
3-Chloropropene	2.48	3.28	0.756	ok	0.756	0.696-0.816
2-Chlorotoluene	14.97	10.14	1.476	ok	1.477	1.417-1.537
Carbon tetrachloride	4.35	3.28	1.326	ok	1.326	1.266-1.386
Cyclohexane	4.45	4.56	0.976	ok	0.976	0.916-1.036
1,1-Dichloroethane	2.84	3.28	0.866	ok	0.866	0.806-0.926
1,1-Dichloroethylene	2.41	3.28	0.735	ok	0.733	0.673-0.793
1,2-Dibromoethane (EDB)	8.15	4.56	1.787	ok	1.788	1.728-1.848
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.90	4.56	1.075	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.34	4.56	1.610	ok	1.609	1.549-1.669
1,4-Dioxane	5.16	4.56	1.132	ok	1.138	1.078-1.198
Dichlorodifluoromethane	1.70	3.28	0.518	ok	0.518	0.458-0.578
Dichlorofluoromethane	2.00	3.28	0.610	ok	0.609	0.549-0.669
Dibromochloromethane	7.81	4.56	1.713	ok	1.713	1.653-1.773
Dibromomethane	4.86	4.56	1.066	ok	1.067	1.007-1.127
trans-1,2-Dichloroethylene	2.76	3.28	0.841	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.20	3.28	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.07	4.56	1.331	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.14	1.642	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.14	1.681	ok	1.682	1.622-1.742
p-Dichlorobenzene	16.74	10.14	1.651	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.75	4.56	1.480	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.28	1.018	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.56	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	3.85	3.28	1.174	ok	1.174	1.114-1.234
Ethanol	2.01	3.28	0.613	ok	0.612	0.552-0.672
Ethylbenzene	11.09	10.14	1.094	ok	1.094	1.034-1.154
Ethyl Acetate	3.34	3.28	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.56	1.101	ok	1.104	1.044-1.164
4-Ethyltoluene	15.76	10.14	1.554	ok	1.554	1.494-1.614
Freon 113	2.53	3.28	0.771	ok	0.772	0.712-0.832
Freon 114	1.78	3.28	0.543	ok	0.543	0.483-0.603
Freon 123	2.12	3.28	0.646	ok	0.646	0.586-0.706
Freon 123A	2.14	3.28	0.652	ok	0.652	0.592-0.712
Freon 142B	1.74	3.28	0.530	ok	0.530	0.470-0.590
Freon 152A	1.66	3.28	0.506	ok	0.507	0.447-0.567
Heptane	5.55	4.56	1.217	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.65	10.14	1.839	ok	1.840	1.780-1.900
Hexachloroethane	17.60	10.14	1.736	ok	1.737	1.677-1.797
Hexane	3.33	3.28	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.87	4.56	1.726	ok	1.729	1.669-1.789
Iodomethane	2.38	3.28	0.726	ok	0.725	0.665-0.785
Isopropylbenzene	13.97	10.14	1.378	ok	1.378	1.318-1.438
Isopropyl Alcohol	2.23	3.28	0.680	ok	0.680	0.620-0.740
p-Isopropyltoluene	17.07	10.14	1.683	ok	1.684	1.624-1.744
Methylene chloride	2.44	3.28	0.744	ok	0.744	0.684-0.804
Methyl ethyl ketone	3.01	3.28	0.918	ok	0.920	0.860-0.980
Methyl Isobutyl Ketone	6.19	4.56	1.357	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.88	3.28	0.878	ok	0.878	0.818-0.938
Methylmethacrylate	5.45	4.56	1.195	ok	1.195	1.135-1.255
Naphthalene	18.39	10.14	1.814	ok	1.814	1.754-1.874
Nonane	13.58	10.14	1.339	ok	1.340	1.280-1.400
Octane	9.15	4.56	2.007	ok	2.007	1.947-2.067
Pentane	2.32	3.28	0.707	ok	0.707	0.647-0.767
n-Propylbenzene	15.31	10.14	1.510	ok	1.511	1.451-1.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.69	3.28	0.515	ok	0.514	0.454-0.574
Styrene	12.25	10.14	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.93	3.28	1.198	ok	1.197	1.137-1.257
1,1,1,2-Tetrachloroethane	10.23	10.14	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.14	1.230	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.56	1.515	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.34	10.14	1.809	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.75	10.14	1.257	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.00	10.14	1.677	ok	1.677	1.617-1.737
1,2,4-Trimethylbenzene	16.59	10.14	1.636	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.01	10.14	1.579	ok	1.580	1.520-1.640
2,2,4-Trimethylpentane	5.23	4.56	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.43	3.28	0.741	ok	0.744	0.684-0.804
Tetrachloroethylene	9.01	4.56	1.976	ok	1.975	1.915-2.035
Tetrahydrofuran	3.57	3.28	1.088	ok	1.091	1.031-1.151
Toluene	7.28	4.56	1.596	ok	1.597	1.537-1.657
Trichloroethylene	5.14	4.56	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.20	3.28	0.671	ok	0.671	0.611-0.731
Vinyl chloride	1.81	3.28	0.552	ok	0.552	0.492-0.612
Vinyl Acetate	2.91	3.28	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.53	10.14	1.137	ok	1.136	1.076-1.196
o-Xylene	12.46	10.14	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.32	10.14	0.229	ok	0.229	0.169-0.289

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	69747	ok	68673	41204-96142
1,4-Difluorobenzene	4.56	ok	4.56	4.23-4.89	356658	ok	352547	211528-493566
Chlorobenzene-D5	10.14	ok	10.14	9.81-10.47	330794	ok	323378	194027-452729

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.28	0.652	ok	0.655	0.595-0.715
Acrolein	2.10	3.28	0.640	ok	0.642	0.582-0.702
Acrylonitrile	2.29	3.28	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.06	3.28	0.628	ok	0.630	0.570-0.690
1,3-Butadiene	1.85	3.28	0.564	ok	0.564	0.504-0.624
Benzene	4.24	3.28	1.293	ok	1.292	1.232-1.352
Bromobenzene	13.84	10.14	1.365	ok	1.365	1.305-1.425
Bromodichloromethane	5.08	4.56	1.114	ok	1.114	1.054-1.174
Bromoform	11.34	10.14	1.118	ok	1.118	1.058-1.178
Bromomethane	1.92	3.28	0.585	ok	0.586	0.526-0.646
Bromoethene	2.07	3.28	0.631	ok	0.631	0.571-0.691
n-Butane	1.86	3.28	0.567	ok	0.568	0.508-0.628
Benzyl Chloride	16.68	10.14	1.645	ok	1.645	1.585-1.705
n-Butylbenzene	17.43	10.14	1.719	ok	1.719	1.659-1.779
sec-Butylbenzene	16.88	10.14	1.665	ok	1.665	1.605-1.725
tert-Butylbenzene	16.58	10.14	1.635	ok	1.636	1.576-1.696
Carbon disulfide	2.54	3.28	0.774	ok	0.774	0.714-0.834
Chlorobenzene	10.22	10.14	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.67	3.28	0.509	ok	0.511	0.451-0.571
Chloroethane	1.97	3.28	0.601	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.69	3.28	0.515	ok	0.515	0.455-0.575
Chloroform	3.35	3.28	1.021	ok	1.022	0.962-1.082
Chloromethane	1.75	3.28	0.534	ok	0.534	0.474-0.594
3-Chloropropene	2.48	3.28	0.756	ok	0.756	0.696-0.816
2-Chlorotoluene	14.97	10.14	1.476	ok	1.477	1.417-1.537
Carbon tetrachloride	4.35	3.28	1.326	ok	1.326	1.266-1.386
Cyclohexane	4.45	4.56	0.976	ok	0.976	0.916-1.036
1,1-Dichloroethane	2.84	3.28	0.866	ok	0.866	0.806-0.926
1,1-Dichloroethylene	2.40	3.28	0.732	ok	0.733	0.673-0.793
1,2-Dibromoethane (EDB)	8.16	4.56	1.789	ok	1.788	1.728-1.848
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.90	4.56	1.075	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.34	4.56	1.610	ok	1.609	1.549-1.669
1,4-Dioxane	5.15	4.56	1.129	ok	1.138	1.078-1.198
Dichlorodifluoromethane	1.70	3.28	0.518	ok	0.518	0.458-0.578
Dichlorofluoromethane	2.00	3.28	0.610	ok	0.609	0.549-0.669
Dibromochloromethane	7.81	4.56	1.713	ok	1.713	1.653-1.773
Dibromomethane	4.87	4.56	1.068	ok	1.067	1.007-1.127
trans-1,2-Dichloroethylene	2.77	3.28	0.845	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.20	3.28	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.07	4.56	1.331	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.14	1.642	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.14	1.681	ok	1.682	1.622-1.742
p-Dichlorobenzene	16.74	10.14	1.651	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.75	4.56	1.480	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.28	1.018	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.56	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	3.85	3.28	1.174	ok	1.174	1.114-1.234
Ethanol	2.00	3.28	0.610	ok	0.612	0.552-0.672
Ethylbenzene	11.10	10.14	1.095	ok	1.094	1.034-1.154
Ethyl Acetate	3.34	3.28	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.56	1.101	ok	1.104	1.044-1.164
4-Ethyltoluene	15.76	10.14	1.554	ok	1.554	1.494-1.614
Freon 113	2.53	3.28	0.771	ok	0.772	0.712-0.832
Freon 114	1.78	3.28	0.543	ok	0.543	0.483-0.603
Freon 123	2.12	3.28	0.646	ok	0.646	0.586-0.706
Freon 123A	2.14	3.28	0.652	ok	0.652	0.592-0.712
Freon 142B	1.74	3.28	0.530	ok	0.530	0.470-0.590
Freon 152A	1.66	3.28	0.506	ok	0.507	0.447-0.567
Heptane	5.55	4.56	1.217	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.65	10.14	1.839	ok	1.840	1.780-1.900
Hexachloroethane	17.61	10.14	1.737	ok	1.737	1.677-1.797
Hexane	3.33	3.28	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.87	4.56	1.726	ok	1.729	1.669-1.789
Iodomethane	2.38	3.28	0.726	ok	0.725	0.665-0.785
Isopropylbenzene	13.98	10.14	1.379	ok	1.378	1.318-1.438
Isopropyl Alcohol	2.22	3.28	0.677	ok	0.680	0.620-0.740
p-Isopropyltoluene	17.07	10.14	1.683	ok	1.684	1.624-1.744
Methylene chloride	2.44	3.28	0.744	ok	0.744	0.684-0.804
Methyl ethyl ketone	3.01	3.28	0.918	ok	0.920	0.860-0.980
Methyl Isobutyl Ketone	6.19	4.56	1.357	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.88	3.28	0.878	ok	0.878	0.818-0.938
Methylmethacrylate	5.45	4.56	1.195	ok	1.195	1.135-1.255
Naphthalene	18.39	10.14	1.814	ok	1.814	1.754-1.874
Nonane	13.59	10.14	1.340	ok	1.340	1.280-1.400
Octane	9.16	4.56	2.009	ok	2.007	1.947-2.067
Pentane	2.32	3.28	0.707	ok	0.707	0.647-0.767
n-Propylbenzene	15.32	10.14	1.511	ok	1.511	1.451-1.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.68	3.28	0.512	ok	0.514	0.454-0.574
Styrene	12.25	10.14	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.93	3.28	1.198	ok	1.197	1.137-1.257
1,1,1,2-Tetrachloroethane	10.23	10.14	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.48	10.14	1.231	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.56	1.515	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.14	1.810	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.76	10.14	1.258	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.00	10.14	1.677	ok	1.677	1.617-1.737
1,2,4-Trimethylbenzene	16.59	10.14	1.636	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.01	10.14	1.579	ok	1.580	1.520-1.640
2,2,4-Trimethylpentane	5.23	4.56	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.42	3.28	0.738	ok	0.744	0.684-0.804
Tetrachloroethylene	9.01	4.56	1.976	ok	1.975	1.915-2.035
Tetrahydrofuran	3.57	3.28	1.088	ok	1.091	1.031-1.151
Toluene	7.28	4.56	1.596	ok	1.597	1.537-1.657
Trichloroethylene	5.14	4.56	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.20	3.28	0.671	ok	0.671	0.611-0.731
Vinyl chloride	1.81	3.28	0.552	ok	0.552	0.492-0.612
Vinyl Acetate	2.91	3.28	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.53	10.14	1.137	ok	1.136	1.076-1.196
o-Xylene	12.46	10.14	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.32	10.14	0.229	ok	0.229	0.169-0.289

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	68582	ok	68673	41204-96142
1,4-Difluorobenzene	4.56	ok	4.56	4.23-4.89	348978	ok	352547	211528-493566
Chlorobenzene-D5	10.14	ok	10.14	9.81-10.47	322148	ok	323378	194027-452729

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.28	0.652	ok	0.655	0.595-0.715
Acrolein	2.10	3.28	0.640	ok	0.642	0.582-0.702
Acrylonitrile	2.29	3.28	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.06	3.28	0.628	ok	0.630	0.570-0.690
1,3-Butadiene	1.85	3.28	0.564	ok	0.564	0.504-0.624
Benzene	4.24	3.28	1.293	ok	1.292	1.232-1.352
Bromobenzene	13.85	10.14	1.366	ok	1.365	1.305-1.425
Bromodichloromethane	5.09	4.56	1.116	ok	1.114	1.054-1.174
Bromoform	11.35	10.14	1.119	ok	1.118	1.058-1.178
Bromomethane	1.92	3.28	0.585	ok	0.586	0.526-0.646
Bromoethene	2.07	3.28	0.631	ok	0.631	0.571-0.691
n-Butane	1.86	3.28	0.567	ok	0.568	0.508-0.628
Benzyl Chloride	16.68	10.14	1.645	ok	1.645	1.585-1.705
n-Butylbenzene	17.43	10.14	1.719	ok	1.719	1.659-1.779
sec-Butylbenzene	16.88	10.14	1.665	ok	1.665	1.605-1.725
tert-Butylbenzene	16.59	10.14	1.636	ok	1.636	1.576-1.696
Carbon disulfide	2.54	3.28	0.774	ok	0.774	0.714-0.834
Chlorobenzene	10.22	10.14	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.68	3.28	0.512	ok	0.511	0.451-0.571
Chloroethane	1.97	3.28	0.601	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.69	3.28	0.515	ok	0.515	0.455-0.575
Chloroform	3.36	3.28	1.024	ok	1.022	0.962-1.082
Chloromethane	1.75	3.28	0.534	ok	0.534	0.474-0.594
3-Chloropropene	2.48	3.28	0.756	ok	0.756	0.696-0.816
2-Chlorotoluene	14.98	10.14	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.35	3.28	1.326	ok	1.326	1.266-1.386
Cyclohexane	4.45	4.56	0.976	ok	0.976	0.916-1.036
1,1-Dichloroethane	2.84	3.28	0.866	ok	0.866	0.806-0.926
1,1-Dichloroethylene	2.40	3.28	0.732	ok	0.733	0.673-0.793
1,2-Dibromoethane (EDB)	8.16	4.56	1.789	ok	1.788	1.728-1.848
1,2-Dichloroethane	3.76	3.28	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.91	4.56	1.077	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.34	4.56	1.610	ok	1.609	1.549-1.669
1,4-Dioxane	5.15	4.56	1.129	ok	1.138	1.078-1.198
Dichlorodifluoromethane	1.70	3.28	0.518	ok	0.518	0.458-0.578
Dichlorofluoromethane	2.00	3.28	0.610	ok	0.609	0.549-0.669
Dibromochloromethane	7.82	4.56	1.715	ok	1.713	1.653-1.773
Dibromomethane	4.87	4.56	1.068	ok	1.067	1.007-1.127
trans-1,2-Dichloroethylene	2.76	3.28	0.841	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.20	3.28	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.08	4.56	1.333	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.14	1.642	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.14	1.681	ok	1.682	1.622-1.742
p-Dichlorobenzene	16.74	10.14	1.651	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.76	4.56	1.482	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.28	1.018	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.56	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	3.85	3.28	1.174	ok	1.174	1.114-1.234
Ethanol	2.00	3.28	0.610	ok	0.612	0.552-0.672
Ethylbenzene	11.10	10.14	1.095	ok	1.094	1.034-1.154
Ethyl Acetate	3.34	3.28	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.56	1.103	ok	1.104	1.044-1.164
4-Ethyltoluene	15.77	10.14	1.555	ok	1.554	1.494-1.614
Freon 113	2.53	3.28	0.771	ok	0.772	0.712-0.832
Freon 114	1.78	3.28	0.543	ok	0.543	0.483-0.603
Freon 123	2.12	3.28	0.646	ok	0.646	0.586-0.706
Freon 123A	2.14	3.28	0.652	ok	0.652	0.592-0.712
Freon 142B	1.74	3.28	0.530	ok	0.530	0.470-0.590
Freon 152A	1.66	3.28	0.506	ok	0.507	0.447-0.567
Heptane	5.55	4.56	1.217	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.66	10.14	1.840	ok	1.840	1.780-1.900
Hexachloroethane	17.61	10.14	1.737	ok	1.737	1.677-1.797
Hexane	3.33	3.28	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.86	4.56	1.724	ok	1.729	1.669-1.789
Iodomethane	2.38	3.28	0.726	ok	0.725	0.665-0.785
Isopropylbenzene	13.98	10.14	1.379	ok	1.378	1.318-1.438
Isopropyl Alcohol	2.22	3.28	0.677	ok	0.680	0.620-0.740
p-Isopropyltoluene	17.07	10.14	1.683	ok	1.684	1.624-1.744
Methylene chloride	2.44	3.28	0.744	ok	0.744	0.684-0.804
Methyl ethyl ketone	3.01	3.28	0.918	ok	0.920	0.860-0.980
Methyl Isobutyl Ketone	6.18	4.56	1.355	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.28	0.875	ok	0.878	0.818-0.938
Methylmethacrylate	5.45	4.56	1.195	ok	1.195	1.135-1.255
Naphthalene	18.40	10.14	1.815	ok	1.814	1.754-1.874
Nonane	13.59	10.14	1.340	ok	1.340	1.280-1.400
Octane	9.16	4.56	2.009	ok	2.007	1.947-2.067
Pentane	2.32	3.28	0.707	ok	0.707	0.647-0.767
n-Propylbenzene	15.32	10.14	1.511	ok	1.511	1.451-1.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	Reporting this level
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.69	3.28	0.515	ok	0.514	0.454-0.574
Styrene	12.25	10.14	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.93	3.28	1.198	ok	1.197	1.137-1.257
1,1,1,2-Tetrachloroethane	10.23	10.14	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.48	10.14	1.231	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.56	1.515	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.14	1.810	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.77	10.14	1.259	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.00	10.14	1.677	ok	1.677	1.617-1.737
1,2,4-Trimethylbenzene	16.59	10.14	1.636	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.02	10.14	1.580	ok	1.580	1.520-1.640
2,2,4-Trimethylpentane	5.24	4.56	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.42	3.28	0.738	ok	0.744	0.684-0.804
Tetrachloroethylene	9.01	4.56	1.976	ok	1.975	1.915-2.035
Tetrahydrofuran	3.56	3.28	1.085	ok	1.091	1.031-1.151
Toluene	7.28	4.56	1.596	ok	1.597	1.537-1.657
Trichloroethylene	5.14	4.56	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.20	3.28	0.671	ok	0.671	0.611-0.731
Vinyl chloride	1.81	3.28	0.552	ok	0.552	0.492-0.612
Vinyl Acetate	2.91	3.28	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.53	10.14	1.137	ok	1.136	1.076-1.196
o-Xylene	12.47	10.14	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.32	10.14	0.229	ok	0.229	0.169-0.289

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	67560	ok	68673	41204-96142
1,4-Difluorobenzene	4.56	ok	4.56	4.23-4.89	341995	ok	352547	211528-493566
Chlorobenzene-D5	10.14	ok	10.14	9.81-10.47	314450	ok	323378	194027-452729

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.15	3.28	0.655	ok	0.655	0.595-0.715
Acrolein	2.10	3.28	0.640	ok	0.642	0.582-0.702
Acrylonitrile	2.29	3.28	0.698	ok	0.698	0.638-0.758
Acetonitrile	2.06	3.28	0.628	ok	0.630	0.570-0.690
1,3-Butadiene	1.85	3.28	0.564	ok	0.564	0.504-0.624
Benzene	4.24	3.28	1.293	ok	1.292	1.232-1.352
Bromobenzene	13.85	10.14	1.366	ok	1.365	1.305-1.425
Bromodichloromethane	5.09	4.56	1.116	ok	1.114	1.054-1.174
Bromoform	11.35	10.14	1.119	ok	1.118	1.058-1.178
Bromomethane	1.92	3.28	0.585	ok	0.586	0.526-0.646
Bromoethene	2.07	3.28	0.631	ok	0.631	0.571-0.691
n-Butane	1.86	3.28	0.567	ok	0.568	0.508-0.628
Benzyl Chloride	16.68	10.14	1.645	ok	1.645	1.585-1.705
n-Butylbenzene	17.43	10.14	1.719	ok	1.719	1.659-1.779
sec-Butylbenzene	16.89	10.14	1.666	ok	1.665	1.605-1.725
tert-Butylbenzene	16.59	10.14	1.636	ok	1.636	1.576-1.696
Carbon disulfide	2.54	3.28	0.774	ok	0.774	0.714-0.834
Chlorobenzene	10.22	10.14	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.68	3.28	0.512	ok	0.511	0.451-0.571
Chloroethane	1.97	3.28	0.601	ok	0.601	0.541-0.661
Chlorotrifluoroethene	1.69	3.28	0.515	ok	0.515	0.455-0.575
Chloroform	3.36	3.28	1.024	ok	1.022	0.962-1.082
Chloromethane	1.75	3.28	0.534	ok	0.534	0.474-0.594
3-Chloropropene	2.48	3.28	0.756	ok	0.756	0.696-0.816
2-Chlorotoluene	14.98	10.14	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.35	3.28	1.326	ok	1.326	1.266-1.386
Cyclohexane	4.45	4.56	0.976	ok	0.976	0.916-1.036
1,1-Dichloroethane	2.84	3.28	0.866	ok	0.866	0.806-0.926
1,1-Dichloroethylene	2.40	3.28	0.732	ok	0.733	0.673-0.793
1,2-Dibromoethane (EDB)	8.17	4.56	1.792	ok	1.788	1.728-1.848
1,2-Dichloroethane	3.77	3.28	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.91	4.56	1.077	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.34	4.56	1.610	ok	1.609	1.549-1.669
1,4-Dioxane	5.15	4.56	1.129	ok	1.138	1.078-1.198
Dichlorodifluoromethane	1.70	3.28	0.518	ok	0.518	0.458-0.578
Dichlorofluoromethane	2.00	3.28	0.610	ok	0.609	0.549-0.669
Dibromochloromethane	7.82	4.56	1.715	ok	1.713	1.653-1.773
Dibromomethane	4.87	4.56	1.068	ok	1.067	1.007-1.127
trans-1,2-Dichloroethylene	2.76	3.28	0.841	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.20	3.28	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.08	4.56	1.333	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.66	10.14	1.643	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.06	10.14	1.682	ok	1.682	1.622-1.742
p-Dichlorobenzene	16.75	10.14	1.652	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.76	4.56	1.482	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.28	1.018	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.56	1.031	ok	1.031	0.971-1.091
2,4-Dimethylpentane	3.85	3.28	1.174	ok	1.174	1.114-1.234
Ethanol	2.00	3.28	0.610	ok	0.612	0.552-0.672
Ethylbenzene	11.11	10.14	1.096	ok	1.094	1.034-1.154
Ethyl Acetate	3.34	3.28	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.56	1.103	ok	1.104	1.044-1.164
4-Ethyltoluene	15.77	10.14	1.555	ok	1.554	1.494-1.614
Freon 113	2.53	3.28	0.771	ok	0.772	0.712-0.832
Freon 114	1.78	3.28	0.543	ok	0.543	0.483-0.603
Freon 123	2.12	3.28	0.646	ok	0.646	0.586-0.706
Freon 123A	2.14	3.28	0.652	ok	0.652	0.592-0.712
Freon 142B	1.74	3.28	0.530	ok	0.530	0.470-0.590
Freon 152A	1.66	3.28	0.506	ok	0.507	0.447-0.567
Heptane	5.55	4.56	1.217	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.66	10.14	1.840	ok	1.840	1.780-1.900
Hexachloroethane	17.61	10.14	1.737	ok	1.737	1.677-1.797
Hexane	3.33	3.28	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.87	4.56	1.726	ok	1.729	1.669-1.789
Iodomethane	2.38	3.28	0.726	ok	0.725	0.665-0.785
Isopropylbenzene	13.98	10.14	1.379	ok	1.378	1.318-1.438
Isopropyl Alcohol	2.22	3.28	0.677	ok	0.680	0.620-0.740
p-Isopropyltoluene	17.07	10.14	1.683	ok	1.684	1.624-1.744
Methylene chloride	2.44	3.28	0.744	ok	0.744	0.684-0.804
Methyl ethyl ketone	3.01	3.28	0.918	ok	0.920	0.860-0.980
Methyl Isobutyl Ketone	6.18	4.56	1.355	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.28	0.875	ok	0.878	0.818-0.938
Methylmethacrylate	5.45	4.56	1.195	ok	1.195	1.135-1.255
Naphthalene	18.40	10.14	1.815	ok	1.814	1.754-1.874
Nonane	13.59	10.14	1.340	ok	1.340	1.280-1.400
Octane	9.16	4.56	2.009	ok	2.007	1.947-2.067
Pentane	2.32	3.28	0.707	ok	0.707	0.647-0.767
n-Propylbenzene	15.32	10.14	1.511	ok	1.511	1.451-1.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W201-IC0201	7W05123.D	03/03/24 02:06	WC	0.04	GCMS7W	TO-15	
V7W201-IC0201	7W05124.D	03/03/24 02:40	WC	0.10	GCMS7W	TO-15	
V7W201-IC0201	7W05125.D	03/03/24 03:15	WC	0.20	GCMS7W	TO-15	
V7W201-IC0201	7W05126.D	03/03/24 03:52	WC	0.50	GCMS7W	TO-15	
V7W201-IC0201	7W05127.D	03/03/24 04:26	WC	5	GCMS7W	TO-15	
V7W201-ICC0201	7W05128.D	03/03/24 05:02	WC	10	GCMS7W	TO-15	
V7W201-IC0201	7W05129.D	03/03/24 05:38	WC	20	GCMS7W	TO-15	
V7W201-IC0201	7W05130.D	03/03/24 06:19	WC	40	GCMS7W	TO-15	
V7W201-IC0201	7W05131.D	03/03/24 07:01	WC	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.69	3.28	0.515	ok	0.514	0.454-0.574
Styrene	12.26	10.14	1.209	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.93	3.28	1.198	ok	1.197	1.137-1.257
1,1,1,2-Tetrachloroethane	10.24	10.14	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.49	10.14	1.232	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.92	4.56	1.518	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.14	1.810	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.77	10.14	1.259	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.00	10.14	1.677	ok	1.677	1.617-1.737
1,2,4-Trimethylbenzene	16.60	10.14	1.637	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.02	10.14	1.580	ok	1.580	1.520-1.640
2,2,4-Trimethylpentane	5.24	4.56	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.42	3.28	0.738	ok	0.744	0.684-0.804
Tetrachloroethylene	9.01	4.56	1.976	ok	1.975	1.915-2.035
Tetrahydrofuran	3.56	3.28	1.085	ok	1.091	1.031-1.151
Toluene	7.29	4.56	1.599	ok	1.597	1.537-1.657
Trichloroethylene	5.14	4.56	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.20	3.28	0.671	ok	0.671	0.611-0.731
Vinyl chloride	1.81	3.28	0.552	ok	0.552	0.492-0.612
Vinyl Acetate	2.91	3.28	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.54	10.14	1.138	ok	1.136	1.076-1.196
o-Xylene	12.47	10.14	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.32	10.14	0.229	ok	0.229	0.169-0.289

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.28	ok	3.28	2.95-3.61	67499	ok	68673	41204-96142
1,4-Difluorobenzene	4.56	ok	4.56	4.23-4.89	340607	ok	352547	211528-493566
Chlorobenzene-D5	10.14	ok	10.14	9.81-10.47	320894	ok	323378	194027-452729

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetonitrile	2.15	3.46	0.621	ok	0.620	0.560-0.680
1,3-Butadiene	1.92	3.46	0.555	ok	0.555	0.495-0.615
Benzene	4.50	3.46	1.301	ok	1.301	1.241-1.361
Bromobenzene	14.47	10.70	1.352	ok	1.353	1.293-1.413
Bromodichloromethane	5.41	4.85	1.115	ok	1.115	1.055-1.175
Bromomethane	2.00	3.46	0.578	ok	0.578	0.518-0.638
Bromoethene	2.15	3.46	0.621	ok	0.622	0.562-0.682
n-Butane	1.93	3.46	0.558	ok	0.560	0.500-0.620
Benzyl Chloride	16.90	10.70	1.579	ok	1.580	1.520-1.640
n-Butylbenzene	17.57	10.70	1.642	ok	1.643	1.583-1.703
sec-Butylbenzene	17.07	10.70	1.595	ok	1.596	1.536-1.656
tert-Butylbenzene	16.82	10.70	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.64	3.46	0.763	ok	0.763	0.703-0.823
Chlorobenzene	10.77	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.74	3.46	0.503	ok	0.502	0.442-0.562
Chloroethane	2.04	3.46	0.590	ok	0.590	0.530-0.650
Chlorotrifluoroethene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Chloroform	3.53	3.46	1.020	ok	1.023	0.963-1.083
3-Chloropropene	2.58	3.46	0.746	ok	0.746	0.686-0.806
2-Chlorotoluene	15.62	10.70	1.460	ok	1.460	1.400-1.520
Carbon tetrachloride	4.62	3.46	1.335	ok	1.336	1.276-1.396
Cyclohexane	4.73	4.85	0.975	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.97	3.46	0.858	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.50	3.46	0.723	ok	0.723	0.663-0.783
1,2-Dibromoethane (EDB)	8.65	4.85	1.784	ok	1.782	1.722-1.842
1,2-Dichloroethane	3.99	3.46	1.153	ok	1.152	1.092-1.212
1,2-Dichloropropane	5.22	4.85	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.79	4.85	1.606	ok	1.605	1.545-1.665
1,4-Dioxane	5.63	4.85	1.161	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.76	3.46	0.509	ok	0.509	0.449-0.569
Dichlorofluoromethane	2.07	3.46	0.598	ok	0.601	0.541-0.661
Dibromochloromethane	8.29	4.85	1.709	ok	1.707	1.647-1.767
Dibromomethane	5.18	4.85	1.068	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.46	0.835	ok	0.836	0.776-0.896
cis-1,2-Dichloroethylene	3.37	3.46	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.45	4.85	1.330	ok	1.331	1.271-1.391
m-Dichlorobenzene	16.88	10.70	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.23	10.70	1.610	ok	1.611	1.551-1.671
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
trans-1,3-Dichloropropene	7.18	4.85	1.480	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.53	3.46	1.020	ok	1.020	0.960-1.080
2,3-Dimethylpentane	5.01	4.85	1.033	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.08	3.46	1.179	ok	1.179	1.119-1.239
Ethylbenzene	11.68	10.70	1.092	ok	1.092	1.032-1.152
Ethyl Acetate	3.54	3.46	1.023	ok	1.021	0.961-1.081
Ethyl Acrylate	5.37	4.85	1.107	ok	1.103	1.043-1.163
4-Ethyltoluene	16.25	10.70	1.519	ok	1.519	1.459-1.579
Freon 113	2.64	3.46	0.763	ok	0.763	0.703-0.823
Freon 114	1.84	3.46	0.532	ok	0.532	0.472-0.592
Freon 115	1.69	3.46	0.488	ok	0.489	0.429-0.549
Freon 123	2.20	3.46	0.636	ok	0.636	0.576-0.696
Freon 123A	2.22	3.46	0.642	ok	0.642	0.582-0.702
Freon 142B	1.81	3.46	0.523	ok	0.523	0.463-0.583
Freon 152A	1.72	3.46	0.497	ok	0.498	0.438-0.558
Heptane	5.90	4.85	1.216	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.72	10.70	1.750	ok	1.749	1.689-1.809
Hexachloroethane	17.74	10.70	1.658	ok	1.658	1.598-1.718
Hexane	3.51	3.46	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.85	1.722	ok	1.716	1.656-1.776
Iodomethane	2.47	3.46	0.714	ok	0.714	0.654-0.774
Isopropylbenzene	14.61	10.70	1.365	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.31	3.46	0.668	ok	0.666	0.606-0.726
p-Isopropyltoluene	17.24	10.70	1.611	ok	1.612	1.552-1.672
Methyl ethyl ketone	3.17	3.46	0.916	ok	0.914	0.854-0.974
Methyl Isobutyl Ketone	6.61	4.85	1.363	ok	1.356	1.296-1.416
Methyl Tert Butyl Ether	3.01	3.46	0.870	ok	0.871	0.811-0.931
Methylmethacrylate	5.82	4.85	1.200	ok	1.195	1.135-1.255
Naphthalene	18.47	10.70	1.726	ok	1.727	1.667-1.787
Nonane	14.19	10.70	1.326	ok	1.327	1.267-1.387
Octane	9.69	4.85	1.998	ok	1.994	1.934-2.054
Pentane	2.40	3.46	0.694	ok	0.694	0.634-0.754
n-Propylbenzene	15.94	10.70	1.490	ok	1.491	1.431-1.551
Propylene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Styrene	12.84	10.70	1.200	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.17	3.46	1.205	ok	1.204	1.144-1.264
1,1,1,2-Tetrachloroethane	10.79	10.70	1.008	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.07	10.70	1.221	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.34	4.85	1.513	ok	1.513	1.453-1.573

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trichlorobenzene	18.43	10.70	1.722	ok	1.723	1.663-1.783
1,2,3-Trichloropropane	13.38	10.70	1.250	ok	1.250	1.190-1.310
1,2,3-Trimethylbenzene	17.18	10.70	1.606	ok	1.606	1.546-1.666
1,2,4-Trimethylbenzene	16.82	10.70	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.38	10.70	1.531	ok	1.532	1.472-1.592
2,2,4-Trimethylpentane	5.57	4.85	1.148	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.52	3.46	0.728	ok	0.727	0.667-0.787
Tetrachloroethylene	9.53	4.85	1.965	ok	1.963	1.903-2.023
Toluene	7.73	4.85	1.594	ok	1.593	1.533-1.653
Trichloroethylene	5.47	4.85	1.128	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.28	3.46	0.659	ok	0.661	0.601-0.721
Vinyl chloride	1.87	3.46	0.540	ok	0.541	0.481-0.601
m,p-Xylene	12.13	10.70	1.134	ok	1.133	1.073-1.193
o-Xylene	13.06	10.70	1.221	ok	1.222	1.162-1.282

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.46	ok	3.46	3.13-3.79	154018	ok	152953	91772-214134
1,4-Difluorobenzene	4.85	ok	4.85	4.52-5.18	744926	ok	738350	443010-1033690
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	645980	ok	654540	392724-916356

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	2.19	3.46	0.633	ok	0.633	0.573-0.693
Acetonitrile	2.15	3.46	0.621	ok	0.620	0.560-0.680
1,3-Butadiene	1.92	3.46	0.555	ok	0.555	0.495-0.615
Benzene	4.50	3.46	1.301	ok	1.301	1.241-1.361
Bromobenzene	14.47	10.70	1.352	ok	1.353	1.293-1.413
Bromodichloromethane	5.41	4.86	1.113	ok	1.115	1.055-1.175
Bromoform	11.93	10.70	1.115	ok	1.115	1.055-1.175
Bromomethane	2.00	3.46	0.578	ok	0.578	0.518-0.638
Bromoethene	2.15	3.46	0.621	ok	0.622	0.562-0.682
n-Butane	1.94	3.46	0.561	ok	0.560	0.500-0.620
Benzyl Chloride	16.90	10.70	1.579	ok	1.580	1.520-1.640
n-Butylbenzene	17.57	10.70	1.642	ok	1.643	1.583-1.703
sec-Butylbenzene	17.08	10.70	1.596	ok	1.596	1.536-1.656
tert-Butylbenzene	16.82	10.70	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.64	3.46	0.763	ok	0.763	0.703-0.823
Chlorobenzene	10.78	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.74	3.46	0.503	ok	0.502	0.442-0.562
Chloroethane	2.04	3.46	0.590	ok	0.590	0.530-0.650
Chlorotrifluoroethene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Chloroform	3.54	3.46	1.023	ok	1.023	0.963-1.083
Chloromethane	1.81	3.46	0.523	ok	0.523	0.463-0.583
3-Chloropropene	2.58	3.46	0.746	ok	0.746	0.686-0.806
2-Chlorotoluene	15.61	10.70	1.459	ok	1.460	1.400-1.520
Carbon tetrachloride	4.62	3.46	1.335	ok	1.336	1.276-1.396
Cyclohexane	4.73	4.86	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.97	3.46	0.858	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.50	3.46	0.723	ok	0.723	0.663-0.783
1,2-Dibromoethane (EDB)	8.65	4.86	1.780	ok	1.782	1.722-1.842
1,2-Dichloroethane	3.98	3.46	1.150	ok	1.152	1.092-1.212
1,2-Dichloropropane	5.22	4.86	1.074	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.79	4.86	1.603	ok	1.605	1.545-1.665
1,4-Dioxane	5.57	4.86	1.146	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.76	3.46	0.509	ok	0.509	0.449-0.569
Dichlorofluoromethane	2.07	3.46	0.598	ok	0.601	0.541-0.661
Dibromochloromethane	8.29	4.86	1.706	ok	1.707	1.647-1.767
Dibromomethane	5.18	4.86	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.46	0.835	ok	0.836	0.776-0.896
cis-1,2-Dichloroethylene	3.37	3.46	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.46	4.86	1.329	ok	1.331	1.271-1.391

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.88	10.70	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.23	10.70	1.610	ok	1.611	1.551-1.671
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.18	4.86	1.477	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.53	3.46	1.020	ok	1.020	0.960-1.080
2,3-Dimethylpentane	5.00	4.86	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.08	3.46	1.179	ok	1.179	1.119-1.239
Ethylbenzene	11.67	10.70	1.091	ok	1.092	1.032-1.152
Ethyl Acetate	3.54	3.46	1.023	ok	1.021	0.961-1.081
Ethyl Acrylate	5.36	4.86	1.103	ok	1.103	1.043-1.163
4-Ethyltoluene	16.25	10.70	1.519	ok	1.519	1.459-1.579
Freon 113	2.64	3.46	0.763	ok	0.763	0.703-0.823
Freon 114	1.84	3.46	0.532	ok	0.532	0.472-0.592
Freon 115	1.70	3.46	0.491	ok	0.489	0.429-0.549
Freon 123	2.20	3.46	0.636	ok	0.636	0.576-0.696
Freon 123A	2.22	3.46	0.642	ok	0.642	0.582-0.702
Freon 142B	1.81	3.46	0.523	ok	0.523	0.463-0.583
Freon 152A	1.72	3.46	0.497	ok	0.498	0.438-0.558
Heptane	5.91	4.86	1.216	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.71	10.70	1.749	ok	1.749	1.689-1.809
Hexachloroethane	17.74	10.70	1.658	ok	1.658	1.598-1.718
Hexane	3.52	3.46	1.017	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.86	1.718	ok	1.716	1.656-1.776
Iodomethane	2.47	3.46	0.714	ok	0.714	0.654-0.774
Isopropylbenzene	14.60	10.70	1.364	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.31	3.46	0.668	ok	0.666	0.606-0.726
p-Isopropyltoluene	17.24	10.70	1.611	ok	1.612	1.552-1.672
Methylene chloride	2.53	3.46	0.731	ok	0.731	0.671-0.791
Methyl ethyl ketone	3.18	3.46	0.919	ok	0.914	0.854-0.974
Methyl Isobutyl Ketone	6.60	4.86	1.358	ok	1.356	1.296-1.416
Methyl Tert Butyl Ether	3.02	3.46	0.873	ok	0.871	0.811-0.931
Methylmethacrylate	5.80	4.86	1.193	ok	1.195	1.135-1.255
Naphthalene	18.47	10.70	1.726	ok	1.727	1.667-1.787
Nonane	14.18	10.70	1.325	ok	1.327	1.267-1.387
Octane	9.67	4.86	1.990	ok	1.994	1.934-2.054
Pentane	2.40	3.46	0.694	ok	0.694	0.634-0.754
n-Propylbenzene	15.95	10.70	1.491	ok	1.491	1.431-1.551
Propylene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Styrene	12.85	10.70	1.201	ok	1.201	1.141-1.261

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
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Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	4.16	3.46	1.202	ok	1.204	1.144-1.264
1,1,1,2-Tetrachloroethane	10.78	10.70	1.007	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.07	10.70	1.221	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.34	4.86	1.510	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.43	10.70	1.722	ok	1.723	1.663-1.783
1,2,3-Trichloropropane	13.36	10.70	1.249	ok	1.250	1.190-1.310
1,2,3-Trimethylbenzene	17.18	10.70	1.606	ok	1.606	1.546-1.666
1,2,4-Trimethylbenzene	16.82	10.70	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.38	10.70	1.531	ok	1.532	1.472-1.592
2,2,4-Trimethylpentane	5.57	4.86	1.146	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.52	3.46	0.728	ok	0.727	0.667-0.787
Tetrachloroethylene	9.53	4.86	1.961	ok	1.963	1.903-2.023
Tetrahydrofuran	3.81	3.46	1.101	ok	1.092	1.032-1.152
Toluene	7.73	4.86	1.591	ok	1.593	1.533-1.653
Trichloroethylene	5.47	4.86	1.126	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.29	3.46	0.662	ok	0.661	0.601-0.721
Vinyl chloride	1.87	3.46	0.540	ok	0.541	0.481-0.601
Vinyl Acetate	3.05	3.46	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.12	10.70	1.133	ok	1.133	1.073-1.193
o-Xylene	13.06	10.70	1.221	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.40	10.70	0.224	ok	0.224	0.164-0.284

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.46	ok	3.46	3.13-3.79	153201	ok	152953	91772-214134
1,4-Difluorobenzene	4.86	ok	4.85	4.52-5.18	733366	ok	738350	443010-1033690
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	648142	ok	654540	392724-916356

Initial Calibration Retention Time/Internal Standard Area Summary

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Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.23	3.46	0.645	ok	0.645	0.585-0.705
Acrolein	2.19	3.46	0.633	ok	0.633	0.573-0.693
Acrylonitrile	2.37	3.46	0.685	ok	0.685	0.625-0.745
Acetonitrile	2.15	3.46	0.621	ok	0.620	0.560-0.680
1,3-Butadiene	1.92	3.46	0.555	ok	0.555	0.495-0.615
Benzene	4.50	3.46	1.301	ok	1.301	1.241-1.361
Bromobenzene	14.47	10.70	1.352	ok	1.353	1.293-1.413
Bromodichloromethane	5.41	4.85	1.115	ok	1.115	1.055-1.175
Bromoform	11.92	10.70	1.114	ok	1.115	1.055-1.175
Bromomethane	2.00	3.46	0.578	ok	0.578	0.518-0.638
Bromoethene	2.15	3.46	0.621	ok	0.622	0.562-0.682
n-Butane	1.94	3.46	0.561	ok	0.560	0.500-0.620
Benzyl Chloride	16.90	10.70	1.579	ok	1.580	1.520-1.640
n-Butylbenzene	17.57	10.70	1.642	ok	1.643	1.583-1.703
sec-Butylbenzene	17.07	10.70	1.595	ok	1.596	1.536-1.656
tert-Butylbenzene	16.81	10.70	1.571	ok	1.572	1.512-1.632
Carbon disulfide	2.64	3.46	0.763	ok	0.763	0.703-0.823
Chlorobenzene	10.77	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.74	3.46	0.503	ok	0.502	0.442-0.562
Chloroethane	2.05	3.46	0.592	ok	0.590	0.530-0.650
Chlorotrifluoroethene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Chloroform	3.54	3.46	1.023	ok	1.023	0.963-1.083
Chloromethane	1.81	3.46	0.523	ok	0.523	0.463-0.583
3-Chloropropene	2.58	3.46	0.746	ok	0.746	0.686-0.806
2-Chlorotoluene	15.62	10.70	1.460	ok	1.460	1.400-1.520
Carbon tetrachloride	4.62	3.46	1.335	ok	1.336	1.276-1.396
Cyclohexane	4.73	4.85	0.975	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.97	3.46	0.858	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.50	3.46	0.723	ok	0.723	0.663-0.783
1,2-Dibromoethane (EDB)	8.64	4.85	1.781	ok	1.782	1.722-1.842
1,2-Dichloroethane	3.98	3.46	1.150	ok	1.152	1.092-1.212
1,2-Dichloropropane	5.21	4.85	1.074	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.79	4.85	1.606	ok	1.605	1.545-1.665
1,4-Dioxane	5.54	4.85	1.142	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.77	3.46	0.512	ok	0.509	0.449-0.569
Dichlorofluoromethane	2.08	3.46	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.29	4.85	1.709	ok	1.707	1.647-1.767
Dibromomethane	5.17	4.85	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.46	0.835	ok	0.836	0.776-0.896

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
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Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.37	3.46	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.46	4.85	1.332	ok	1.331	1.271-1.391
m-Dichlorobenzene	16.88	10.70	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.23	10.70	1.610	ok	1.611	1.551-1.671
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.18	4.85	1.480	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.53	3.46	1.020	ok	1.020	0.960-1.080
2,3-Dimethylpentane	5.00	4.85	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.08	3.46	1.179	ok	1.179	1.119-1.239
Ethylbenzene	11.68	10.70	1.092	ok	1.092	1.032-1.152
Ethyl Acetate	3.53	3.46	1.020	ok	1.021	0.961-1.081
Ethyl Acrylate	5.36	4.85	1.105	ok	1.103	1.043-1.163
4-Ethyltoluene	16.25	10.70	1.519	ok	1.519	1.459-1.579
Freon 113	2.64	3.46	0.763	ok	0.763	0.703-0.823
Freon 114	1.84	3.46	0.532	ok	0.532	0.472-0.592
Freon 115	1.70	3.46	0.491	ok	0.489	0.429-0.549
Freon 123	2.20	3.46	0.636	ok	0.636	0.576-0.696
Freon 123A	2.22	3.46	0.642	ok	0.642	0.582-0.702
Freon 142B	1.81	3.46	0.523	ok	0.523	0.463-0.583
Freon 152A	1.73	3.46	0.500	ok	0.498	0.438-0.558
Heptane	5.90	4.85	1.216	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.71	10.70	1.749	ok	1.749	1.689-1.809
Hexachloroethane	17.74	10.70	1.658	ok	1.658	1.598-1.718
Hexane	3.51	3.46	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.85	1.722	ok	1.716	1.656-1.776
Iodomethane	2.47	3.46	0.714	ok	0.714	0.654-0.774
Isopropylbenzene	14.60	10.70	1.364	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.31	3.46	0.668	ok	0.666	0.606-0.726
p-Isopropyltoluene	17.24	10.70	1.611	ok	1.612	1.552-1.672
Methylene chloride	2.53	3.46	0.731	ok	0.731	0.671-0.791
Methyl ethyl ketone	3.17	3.46	0.916	ok	0.914	0.854-0.974
Methyl Isobutyl Ketone	6.59	4.85	1.359	ok	1.356	1.296-1.416
Methyl Tert Butyl Ether	3.01	3.46	0.870	ok	0.871	0.811-0.931
Methylmethacrylate	5.80	4.85	1.196	ok	1.195	1.135-1.255
Naphthalene	18.47	10.70	1.726	ok	1.727	1.667-1.787
Nonane	14.18	10.70	1.325	ok	1.327	1.267-1.387
Octane	9.68	4.85	1.996	ok	1.994	1.934-2.054
Pentane	2.40	3.46	0.694	ok	0.694	0.634-0.754
n-Propylbenzene	15.94	10.70	1.490	ok	1.491	1.431-1.551

Initial Calibration Retention Time/Internal Standard Area Summary

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V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Styrene	12.85	10.70	1.201	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.16	3.46	1.202	ok	1.204	1.144-1.264
1,1,1,2-Tetrachloroethane	10.78	10.70	1.007	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.07	10.70	1.221	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.34	4.85	1.513	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.43	10.70	1.722	ok	1.723	1.663-1.783
1,2,3-Trichloropropane	13.37	10.70	1.250	ok	1.250	1.190-1.310
1,2,3-Trimethylbenzene	17.18	10.70	1.606	ok	1.606	1.546-1.666
1,2,4-Trimethylbenzene	16.82	10.70	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.38	10.70	1.531	ok	1.532	1.472-1.592
2,2,4-Trimethylpentane	5.57	4.85	1.148	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.52	3.46	0.728	ok	0.727	0.667-0.787
Tetrachloroethylene	9.53	4.85	1.965	ok	1.963	1.903-2.023
Tetrahydrofuran	3.79	3.46	1.095	ok	1.092	1.032-1.152
Toluene	7.73	4.85	1.594	ok	1.593	1.533-1.653
Trichloroethylene	5.47	4.85	1.128	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.29	3.46	0.662	ok	0.661	0.601-0.721
Vinyl chloride	1.88	3.46	0.543	ok	0.541	0.481-0.601
Vinyl Acetate	3.05	3.46	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.10	10.70	1.131	ok	1.133	1.073-1.193
o-Xylene	13.07	10.70	1.221	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.40	10.70	0.224	ok	0.224	0.164-0.284

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.46	ok	3.46	3.13-3.79	153942	ok	152953	91772-214134
1,4-Difluorobenzene	4.85	ok	4.85	4.52-5.18	744979	ok	738350	443010-1033690
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	655269	ok	654540	392724-916356

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	Reporting this level
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.23	3.46	0.645	ok	0.645	0.585-0.705
Acrolein	2.19	3.46	0.633	ok	0.633	0.573-0.693
Acrylonitrile	2.37	3.46	0.685	ok	0.685	0.625-0.745
Acetonitrile	2.14	3.46	0.618	ok	0.620	0.560-0.680
1,3-Butadiene	1.92	3.46	0.555	ok	0.555	0.495-0.615
Benzene	4.50	3.46	1.301	ok	1.301	1.241-1.361
Bromobenzene	14.48	10.70	1.353	ok	1.353	1.293-1.413
Bromodichloromethane	5.41	4.85	1.115	ok	1.115	1.055-1.175
Bromoform	11.92	10.70	1.114	ok	1.115	1.055-1.175
Bromomethane	2.00	3.46	0.578	ok	0.578	0.518-0.638
Bromoethene	2.15	3.46	0.621	ok	0.622	0.562-0.682
n-Butane	1.94	3.46	0.561	ok	0.560	0.500-0.620
Benzyl Chloride	16.90	10.70	1.579	ok	1.580	1.520-1.640
n-Butylbenzene	17.57	10.70	1.642	ok	1.643	1.583-1.703
sec-Butylbenzene	17.08	10.70	1.596	ok	1.596	1.536-1.656
tert-Butylbenzene	16.82	10.70	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.64	3.46	0.763	ok	0.763	0.703-0.823
Chlorobenzene	10.77	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.73	3.46	0.500	ok	0.502	0.442-0.562
Chloroethane	2.04	3.46	0.590	ok	0.590	0.530-0.650
Chlorotrifluoroethene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Chloroform	3.54	3.46	1.023	ok	1.023	0.963-1.083
Chloromethane	1.81	3.46	0.523	ok	0.523	0.463-0.583
3-Chloropropene	2.58	3.46	0.746	ok	0.746	0.686-0.806
2-Chlorotoluene	15.62	10.70	1.460	ok	1.460	1.400-1.520
Carbon tetrachloride	4.62	3.46	1.335	ok	1.336	1.276-1.396
Cyclohexane	4.73	4.85	0.975	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.97	3.46	0.858	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.50	3.46	0.723	ok	0.723	0.663-0.783
1,2-Dibromoethane (EDB)	8.64	4.85	1.781	ok	1.782	1.722-1.842
1,2-Dichloroethane	3.98	3.46	1.150	ok	1.152	1.092-1.212
1,2-Dichloropropane	5.22	4.85	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.79	4.85	1.606	ok	1.605	1.545-1.665
1,4-Dioxane	5.49	4.85	1.132	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.76	3.46	0.509	ok	0.509	0.449-0.569
Dichlorofluoromethane	2.08	3.46	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.29	4.85	1.709	ok	1.707	1.647-1.767
Dibromomethane	5.17	4.85	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.46	0.835	ok	0.836	0.776-0.896

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	Reporting this level
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.37	3.46	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.46	4.85	1.332	ok	1.331	1.271-1.391
m-Dichlorobenzene	16.88	10.70	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.23	10.70	1.610	ok	1.611	1.551-1.671
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.18	4.85	1.480	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.52	3.46	1.017	ok	1.020	0.960-1.080
2,3-Dimethylpentane	5.00	4.85	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.08	3.46	1.179	ok	1.179	1.119-1.239
Ethanol	2.08	3.46	0.601	ok	0.601	0.541-0.661
Ethylbenzene	11.68	10.70	1.092	ok	1.092	1.032-1.152
Ethyl Acetate	3.53	3.46	1.020	ok	1.021	0.961-1.081
Ethyl Acrylate	5.34	4.85	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	16.25	10.70	1.519	ok	1.519	1.459-1.579
Freon 113	2.64	3.46	0.763	ok	0.763	0.703-0.823
Freon 114	1.84	3.46	0.532	ok	0.532	0.472-0.592
Freon 115	1.69	3.46	0.488	ok	0.489	0.429-0.549
Freon 123	2.20	3.46	0.636	ok	0.636	0.576-0.696
Freon 123A	2.22	3.46	0.642	ok	0.642	0.582-0.702
Freon 142B	1.81	3.46	0.523	ok	0.523	0.463-0.583
Freon 152A	1.72	3.46	0.497	ok	0.498	0.438-0.558
Heptane	5.90	4.85	1.216	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.71	10.70	1.749	ok	1.749	1.689-1.809
Hexachloroethane	17.74	10.70	1.658	ok	1.658	1.598-1.718
Hexane	3.51	3.46	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.32	4.85	1.715	ok	1.716	1.656-1.776
Iodomethane	2.47	3.46	0.714	ok	0.714	0.654-0.774
Isopropylbenzene	14.60	10.70	1.364	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.30	3.46	0.665	ok	0.666	0.606-0.726
p-Isopropyltoluene	17.24	10.70	1.611	ok	1.612	1.552-1.672
Methylene chloride	2.53	3.46	0.731	ok	0.731	0.671-0.791
Methyl ethyl ketone	3.16	3.46	0.913	ok	0.914	0.854-0.974
Methyl Isobutyl Ketone	6.57	4.85	1.355	ok	1.356	1.296-1.416
Methyl Tert Butyl Ether	3.01	3.46	0.870	ok	0.871	0.811-0.931
Methylmethacrylate	5.79	4.85	1.194	ok	1.195	1.135-1.255
Naphthalene	18.46	10.70	1.725	ok	1.727	1.667-1.787
Nonane	14.20	10.70	1.327	ok	1.327	1.267-1.387
Octane	9.68	4.85	1.996	ok	1.994	1.934-2.054
Pentane	2.40	3.46	0.694	ok	0.694	0.634-0.754

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	Reporting this level
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.95	10.70	1.491	ok	1.491	1.431-1.551
Propylene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Styrene	12.85	10.70	1.201	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.16	3.46	1.202	ok	1.204	1.144-1.264
1,1,1,2-Tetrachloroethane	10.78	10.70	1.007	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.07	10.70	1.221	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.34	4.85	1.513	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.42	10.70	1.721	ok	1.723	1.663-1.783
1,2,3-Trichloropropane	13.36	10.70	1.249	ok	1.250	1.190-1.310
1,2,3-Trimethylbenzene	17.18	10.70	1.606	ok	1.606	1.546-1.666
1,2,4-Trimethylbenzene	16.82	10.70	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.38	10.70	1.531	ok	1.532	1.472-1.592
2,2,4-Trimethylpentane	5.57	4.85	1.148	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.51	3.46	0.725	ok	0.727	0.667-0.787
Tetrachloroethylene	9.53	4.85	1.965	ok	1.963	1.903-2.023
Tetrahydrofuran	3.77	3.46	1.090	ok	1.092	1.032-1.152
Toluene	7.73	4.85	1.594	ok	1.593	1.533-1.653
Trichloroethylene	5.47	4.85	1.128	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.29	3.46	0.662	ok	0.661	0.601-0.721
Vinyl chloride	1.87	3.46	0.540	ok	0.541	0.481-0.601
Vinyl Acetate	3.05	3.46	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.11	10.70	1.132	ok	1.133	1.073-1.193
o-Xylene	13.06	10.70	1.221	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.40	10.70	0.224	ok	0.224	0.164-0.284

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.46	ok	3.46	3.13-3.79	150137	ok	152953	91772-214134
1,4-Difluorobenzene	4.85	ok	4.85	4.52-5.18	719831	ok	738350	443010-1033690
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	641173	ok	654540	392724-916356

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.23	3.46	0.645	ok	0.645	0.585-0.705
Acrolein	2.18	3.46	0.630	ok	0.633	0.573-0.693
Acrylonitrile	2.37	3.46	0.685	ok	0.685	0.625-0.745
Acetonitrile	2.14	3.46	0.618	ok	0.620	0.560-0.680
1,3-Butadiene	1.92	3.46	0.555	ok	0.555	0.495-0.615
Benzene	4.50	3.46	1.301	ok	1.301	1.241-1.361
Bromobenzene	14.48	10.70	1.353	ok	1.353	1.293-1.413
Bromodichloromethane	5.41	4.85	1.115	ok	1.115	1.055-1.175
Bromoform	11.93	10.70	1.115	ok	1.115	1.055-1.175
Bromomethane	2.00	3.46	0.578	ok	0.578	0.518-0.638
Bromoethene	2.15	3.46	0.621	ok	0.622	0.562-0.682
n-Butane	1.94	3.46	0.561	ok	0.560	0.500-0.620
Benzyl Chloride	16.90	10.70	1.579	ok	1.580	1.520-1.640
n-Butylbenzene	17.57	10.70	1.642	ok	1.643	1.583-1.703
sec-Butylbenzene	17.07	10.70	1.595	ok	1.596	1.536-1.656
tert-Butylbenzene	16.82	10.70	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.64	3.46	0.763	ok	0.763	0.703-0.823
Chlorobenzene	10.77	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.73	3.46	0.500	ok	0.502	0.442-0.562
Chloroethane	2.04	3.46	0.590	ok	0.590	0.530-0.650
Chlorotrifluoroethene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Chloroform	3.54	3.46	1.023	ok	1.023	0.963-1.083
Chloromethane	1.81	3.46	0.523	ok	0.523	0.463-0.583
3-Chloropropene	2.58	3.46	0.746	ok	0.746	0.686-0.806
2-Chlorotoluene	15.62	10.70	1.460	ok	1.460	1.400-1.520
Carbon tetrachloride	4.62	3.46	1.335	ok	1.336	1.276-1.396
Cyclohexane	4.73	4.85	0.975	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.97	3.46	0.858	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.50	3.46	0.723	ok	0.723	0.663-0.783
1,2-Dibromoethane (EDB)	8.65	4.85	1.784	ok	1.782	1.722-1.842
1,2-Dichloroethane	3.98	3.46	1.150	ok	1.152	1.092-1.212
1,2-Dichloropropane	5.21	4.85	1.074	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.79	4.85	1.606	ok	1.605	1.545-1.665
1,4-Dioxane	5.48	4.85	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.76	3.46	0.509	ok	0.509	0.449-0.569
Dichlorofluoromethane	2.08	3.46	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.29	4.85	1.709	ok	1.707	1.647-1.767
Dibromomethane	5.17	4.85	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.46	0.835	ok	0.836	0.776-0.896

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.37	3.46	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.46	4.85	1.332	ok	1.331	1.271-1.391
m-Dichlorobenzene	16.88	10.70	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.23	10.70	1.610	ok	1.611	1.551-1.671
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.18	4.85	1.480	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.52	3.46	1.017	ok	1.020	0.960-1.080
2,3-Dimethylpentane	5.00	4.85	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.07	3.46	1.176	ok	1.179	1.119-1.239
Ethanol	2.08	3.46	0.601	ok	0.601	0.541-0.661
Ethylbenzene	11.68	10.70	1.092	ok	1.092	1.032-1.152
Ethyl Acetate	3.53	3.46	1.020	ok	1.021	0.961-1.081
Ethyl Acrylate	5.34	4.85	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	16.25	10.70	1.519	ok	1.519	1.459-1.579
Freon 113	2.64	3.46	0.763	ok	0.763	0.703-0.823
Freon 114	1.84	3.46	0.532	ok	0.532	0.472-0.592
Freon 115	1.69	3.46	0.488	ok	0.489	0.429-0.549
Freon 123	2.20	3.46	0.636	ok	0.636	0.576-0.696
Freon 123A	2.22	3.46	0.642	ok	0.642	0.582-0.702
Freon 142B	1.81	3.46	0.523	ok	0.523	0.463-0.583
Freon 152A	1.72	3.46	0.497	ok	0.498	0.438-0.558
Heptane	5.90	4.85	1.216	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.69	10.70	1.747	ok	1.749	1.689-1.809
Hexachloroethane	17.73	10.70	1.657	ok	1.658	1.598-1.718
Hexane	3.51	3.46	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.32	4.85	1.715	ok	1.716	1.656-1.776
Iodomethane	2.47	3.46	0.714	ok	0.714	0.654-0.774
Isopropylbenzene	14.60	10.70	1.364	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.30	3.46	0.665	ok	0.666	0.606-0.726
p-Isopropyltoluene	17.24	10.70	1.611	ok	1.612	1.552-1.672
Methylene chloride	2.53	3.46	0.731	ok	0.731	0.671-0.791
Methyl ethyl ketone	3.15	3.46	0.910	ok	0.914	0.854-0.974
Methyl Isobutyl Ketone	6.57	4.85	1.355	ok	1.356	1.296-1.416
Methyl Tert Butyl Ether	3.01	3.46	0.870	ok	0.871	0.811-0.931
Methylmethacrylate	5.79	4.85	1.194	ok	1.195	1.135-1.255
Naphthalene	18.46	10.70	1.725	ok	1.727	1.667-1.787
Nonane	14.20	10.70	1.327	ok	1.327	1.267-1.387
Octane	9.68	4.85	1.996	ok	1.994	1.934-2.054
Pentane	2.40	3.46	0.694	ok	0.694	0.634-0.754

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.95	10.70	1.491	ok	1.491	1.431-1.551
Propylene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Styrene	12.85	10.70	1.201	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.16	3.46	1.202	ok	1.204	1.144-1.264
1,1,1,2-Tetrachloroethane	10.79	10.70	1.008	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.08	10.70	1.222	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.34	4.85	1.513	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.41	10.70	1.721	ok	1.723	1.663-1.783
1,2,3-Trichloropropane	13.37	10.70	1.250	ok	1.250	1.190-1.310
1,2,3-Trimethylbenzene	17.18	10.70	1.606	ok	1.606	1.546-1.666
1,2,4-Trimethylbenzene	16.82	10.70	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.38	10.70	1.531	ok	1.532	1.472-1.592
2,2,4-Trimethylpentane	5.57	4.85	1.148	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.51	3.46	0.725	ok	0.727	0.667-0.787
Tetrachloroethylene	9.53	4.85	1.965	ok	1.963	1.903-2.023
Tetrahydrofuran	3.77	3.46	1.090	ok	1.092	1.032-1.152
Toluene	7.73	4.85	1.594	ok	1.593	1.533-1.653
Trichloroethylene	5.46	4.85	1.126	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.29	3.46	0.662	ok	0.661	0.601-0.721
Vinyl chloride	1.87	3.46	0.540	ok	0.541	0.481-0.601
Vinyl Acetate	3.05	3.46	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.12	10.70	1.133	ok	1.133	1.073-1.193
o-Xylene	13.07	10.70	1.221	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.40	10.70	0.224	ok	0.224	0.164-0.284

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.46	ok	3.46	3.13-3.79	147986	ok	152953	91772-214134
1,4-Difluorobenzene	4.85	ok	4.85	4.52-5.18	721402	ok	738350	443010-1033690
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	648393	ok	654540	392724-916356

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.23	3.46	0.645	ok	0.645	0.585-0.705
Acrolein	2.19	3.46	0.633	ok	0.633	0.573-0.693
Acrylonitrile	2.37	3.46	0.685	ok	0.685	0.625-0.745
Acetonitrile	2.14	3.46	0.618	ok	0.620	0.560-0.680
1,3-Butadiene	1.92	3.46	0.555	ok	0.555	0.495-0.615
Benzene	4.50	3.46	1.301	ok	1.301	1.241-1.361
Bromobenzene	14.48	10.70	1.353	ok	1.353	1.293-1.413
Bromodichloromethane	5.41	4.86	1.113	ok	1.115	1.055-1.175
Bromoform	11.93	10.70	1.115	ok	1.115	1.055-1.175
Bromomethane	2.00	3.46	0.578	ok	0.578	0.518-0.638
Bromoethene	2.15	3.46	0.621	ok	0.622	0.562-0.682
n-Butane	1.94	3.46	0.561	ok	0.560	0.500-0.620
Benzyl Chloride	16.90	10.70	1.579	ok	1.580	1.520-1.640
n-Butylbenzene	17.57	10.70	1.642	ok	1.643	1.583-1.703
sec-Butylbenzene	17.08	10.70	1.596	ok	1.596	1.536-1.656
tert-Butylbenzene	16.82	10.70	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.64	3.46	0.763	ok	0.763	0.703-0.823
Chlorobenzene	10.77	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.74	3.46	0.503	ok	0.502	0.442-0.562
Chloroethane	2.04	3.46	0.590	ok	0.590	0.530-0.650
Chlorotrifluoroethene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Chloroform	3.54	3.46	1.023	ok	1.023	0.963-1.083
Chloromethane	1.81	3.46	0.523	ok	0.523	0.463-0.583
3-Chloropropene	2.58	3.46	0.746	ok	0.746	0.686-0.806
2-Chlorotoluene	15.62	10.70	1.460	ok	1.460	1.400-1.520
Carbon tetrachloride	4.62	3.46	1.335	ok	1.336	1.276-1.396
Cyclohexane	4.73	4.86	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.97	3.46	0.858	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.50	3.46	0.723	ok	0.723	0.663-0.783
1,2-Dibromoethane (EDB)	8.65	4.86	1.780	ok	1.782	1.722-1.842
1,2-Dichloroethane	3.98	3.46	1.150	ok	1.152	1.092-1.212
1,2-Dichloropropane	5.22	4.86	1.074	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.79	4.86	1.603	ok	1.605	1.545-1.665
1,4-Dioxane	5.48	4.86	1.128	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.76	3.46	0.509	ok	0.509	0.449-0.569
Dichlorofluoromethane	2.08	3.46	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.29	4.86	1.706	ok	1.707	1.647-1.767
Dibromomethane	5.18	4.86	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.46	0.835	ok	0.836	0.776-0.896

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
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Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.37	3.46	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.46	4.86	1.329	ok	1.331	1.271-1.391
m-Dichlorobenzene	16.88	10.70	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.23	10.70	1.610	ok	1.611	1.551-1.671
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.18	4.86	1.477	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.53	3.46	1.020	ok	1.020	0.960-1.080
2,3-Dimethylpentane	5.00	4.86	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.08	3.46	1.179	ok	1.179	1.119-1.239
Ethanol	2.08	3.46	0.601	ok	0.601	0.541-0.661
Ethylbenzene	11.68	10.70	1.092	ok	1.092	1.032-1.152
Ethyl Acetate	3.53	3.46	1.020	ok	1.021	0.961-1.081
Ethyl Acrylate	5.35	4.86	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	16.25	10.70	1.519	ok	1.519	1.459-1.579
Freon 113	2.64	3.46	0.763	ok	0.763	0.703-0.823
Freon 114	1.84	3.46	0.532	ok	0.532	0.472-0.592
Freon 115	1.69	3.46	0.488	ok	0.489	0.429-0.549
Freon 123	2.20	3.46	0.636	ok	0.636	0.576-0.696
Freon 123A	2.22	3.46	0.642	ok	0.642	0.582-0.702
Freon 142B	1.81	3.46	0.523	ok	0.523	0.463-0.583
Freon 152A	1.72	3.46	0.497	ok	0.498	0.438-0.558
Heptane	5.91	4.86	1.216	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.70	10.70	1.748	ok	1.749	1.689-1.809
Hexachloroethane	17.74	10.70	1.658	ok	1.658	1.598-1.718
Hexane	3.51	3.46	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.32	4.86	1.712	ok	1.716	1.656-1.776
Iodomethane	2.47	3.46	0.714	ok	0.714	0.654-0.774
Isopropylbenzene	14.60	10.70	1.364	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.30	3.46	0.665	ok	0.666	0.606-0.726
p-Isopropyltoluene	17.24	10.70	1.611	ok	1.612	1.552-1.672
Methylene chloride	2.53	3.46	0.731	ok	0.731	0.671-0.791
Methyl ethyl ketone	3.15	3.46	0.910	ok	0.914	0.854-0.974
Methyl Isobutyl Ketone	6.57	4.86	1.352	ok	1.356	1.296-1.416
Methyl Tert Butyl Ether	3.01	3.46	0.870	ok	0.871	0.811-0.931
Methylmethacrylate	5.79	4.86	1.191	ok	1.195	1.135-1.255
Naphthalene	18.46	10.70	1.725	ok	1.727	1.667-1.787
Nonane	14.20	10.70	1.327	ok	1.327	1.267-1.387
Octane	9.68	4.86	1.992	ok	1.994	1.934-2.054
Pentane	2.40	3.46	0.694	ok	0.694	0.634-0.754

Initial Calibration Retention Time/Internal Standard Area Summary

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Project: Edge on Hudson, Sleepy Hollow, NY

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V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
n-Propylbenzene	15.96	10.70	1.492	ok	1.491	1.431-1.551
Propylene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Styrene	12.85	10.70	1.201	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.17	3.46	1.205	ok	1.204	1.144-1.264
1,1,1,2-Tetrachloroethane	10.79	10.70	1.008	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.09	10.70	1.223	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.35	4.86	1.512	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.42	10.70	1.721	ok	1.723	1.663-1.783
1,2,3-Trichloropropane	13.37	10.70	1.250	ok	1.250	1.190-1.310
1,2,3-Trimethylbenzene	17.18	10.70	1.606	ok	1.606	1.546-1.666
1,2,4-Trimethylbenzene	16.82	10.70	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.39	10.70	1.532	ok	1.532	1.472-1.592
2,2,4-Trimethylpentane	5.57	4.86	1.146	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.51	3.46	0.725	ok	0.727	0.667-0.787
Tetrachloroethylene	9.53	4.86	1.961	ok	1.963	1.903-2.023
Tetrahydrofuran	3.77	3.46	1.090	ok	1.092	1.032-1.152
Toluene	7.73	4.86	1.591	ok	1.593	1.533-1.653
Trichloroethylene	5.47	4.86	1.126	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.29	3.46	0.662	ok	0.661	0.601-0.721
Vinyl chloride	1.87	3.46	0.540	ok	0.541	0.481-0.601
Vinyl Acetate	3.05	3.46	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.12	10.70	1.133	ok	1.133	1.073-1.193
o-Xylene	13.07	10.70	1.221	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.40	10.70	0.224	ok	0.224	0.164-0.284

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	3.46	ok	3.46	3.13-3.79	150059	ok	152953	91772-214134
1,4-Difluorobenzene	4.86	ok	4.85	4.52-5.18	728162	ok	738350	443010-1033690
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	651557	ok	654540	392724-916356

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.23	3.46	0.645	ok	0.645	0.585-0.705
Acrolein	2.19	3.46	0.633	ok	0.633	0.573-0.693
Acrylonitrile	2.37	3.46	0.685	ok	0.685	0.625-0.745
Acetonitrile	2.14	3.46	0.618	ok	0.620	0.560-0.680
1,3-Butadiene	1.92	3.46	0.555	ok	0.555	0.495-0.615
Benzene	4.50	3.46	1.301	ok	1.301	1.241-1.361
Bromobenzene	14.49	10.70	1.354	ok	1.353	1.293-1.413
Bromodichloromethane	5.42	4.86	1.115	ok	1.115	1.055-1.175
Bromoform	11.93	10.70	1.115	ok	1.115	1.055-1.175
Bromomethane	2.00	3.46	0.578	ok	0.578	0.518-0.638
Bromoethene	2.15	3.46	0.621	ok	0.622	0.562-0.682
n-Butane	1.94	3.46	0.561	ok	0.560	0.500-0.620
Benzyl Chloride	16.91	10.70	1.580	ok	1.580	1.520-1.640
n-Butylbenzene	17.57	10.70	1.642	ok	1.643	1.583-1.703
sec-Butylbenzene	17.08	10.70	1.596	ok	1.596	1.536-1.656
tert-Butylbenzene	16.82	10.70	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.64	3.46	0.763	ok	0.763	0.703-0.823
Chlorobenzene	10.78	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.74	3.46	0.503	ok	0.502	0.442-0.562
Chloroethane	2.04	3.46	0.590	ok	0.590	0.530-0.650
Chlorotrifluoroethene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Chloroform	3.54	3.46	1.023	ok	1.023	0.963-1.083
Chloromethane	1.81	3.46	0.523	ok	0.523	0.463-0.583
3-Chloropropene	2.58	3.46	0.746	ok	0.746	0.686-0.806
2-Chlorotoluene	15.63	10.70	1.461	ok	1.460	1.400-1.520
Carbon tetrachloride	4.62	3.46	1.335	ok	1.336	1.276-1.396
Cyclohexane	4.73	4.86	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.97	3.46	0.858	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.50	3.46	0.723	ok	0.723	0.663-0.783
1,2-Dibromoethane (EDB)	8.66	4.86	1.782	ok	1.782	1.722-1.842
1,2-Dichloroethane	3.99	3.46	1.153	ok	1.152	1.092-1.212
1,2-Dichloropropane	5.22	4.86	1.074	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.80	4.86	1.605	ok	1.605	1.545-1.665
1,4-Dioxane	5.48	4.86	1.128	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.76	3.46	0.509	ok	0.509	0.449-0.569
Dichlorofluoromethane	2.08	3.46	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.29	4.86	1.706	ok	1.707	1.647-1.767
Dibromomethane	5.18	4.86	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.46	0.835	ok	0.836	0.776-0.896

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.37	3.46	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.46	4.86	1.329	ok	1.331	1.271-1.391
m-Dichlorobenzene	16.89	10.70	1.579	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.24	10.70	1.611	ok	1.611	1.551-1.671
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.18	4.86	1.477	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.53	3.46	1.020	ok	1.020	0.960-1.080
2,3-Dimethylpentane	5.00	4.86	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.08	3.46	1.179	ok	1.179	1.119-1.239
Ethanol	2.08	3.46	0.601	ok	0.601	0.541-0.661
Ethylbenzene	11.68	10.70	1.092	ok	1.092	1.032-1.152
Ethyl Acetate	3.53	3.46	1.020	ok	1.021	0.961-1.081
Ethyl Acrylate	5.35	4.86	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	16.26	10.70	1.520	ok	1.519	1.459-1.579
Freon 113	2.64	3.46	0.763	ok	0.763	0.703-0.823
Freon 114	1.84	3.46	0.532	ok	0.532	0.472-0.592
Freon 123	2.20	3.46	0.636	ok	0.636	0.576-0.696
Freon 123A	2.22	3.46	0.642	ok	0.642	0.582-0.702
Freon 142B	1.81	3.46	0.523	ok	0.523	0.463-0.583
Freon 152A	1.72	3.46	0.497	ok	0.498	0.438-0.558
Heptane	5.91	4.86	1.216	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.71	10.70	1.749	ok	1.749	1.689-1.809
Hexachloroethane	17.74	10.70	1.658	ok	1.658	1.598-1.718
Hexane	3.51	3.46	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.32	4.86	1.712	ok	1.716	1.656-1.776
Iodomethane	2.47	3.46	0.714	ok	0.714	0.654-0.774
Isopropylbenzene	14.62	10.70	1.366	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.30	3.46	0.665	ok	0.666	0.606-0.726
p-Isopropyltoluene	17.25	10.70	1.612	ok	1.612	1.552-1.672
Methylene chloride	2.53	3.46	0.731	ok	0.731	0.671-0.791
Methyl ethyl ketone	3.15	3.46	0.910	ok	0.914	0.854-0.974
Methyl Isobutyl Ketone	6.57	4.86	1.352	ok	1.356	1.296-1.416
Methyl Tert Butyl Ether	3.01	3.46	0.870	ok	0.871	0.811-0.931
Methylmethacrylate	5.80	4.86	1.193	ok	1.195	1.135-1.255
Naphthalene	18.47	10.70	1.726	ok	1.727	1.667-1.787
Nonane	14.21	10.70	1.328	ok	1.327	1.267-1.387
Octane	9.68	4.86	1.992	ok	1.994	1.934-2.054
Pentane	2.40	3.46	0.694	ok	0.694	0.634-0.754
n-Propylbenzene	15.96	10.70	1.492	ok	1.491	1.431-1.551

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Propylene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Styrene	12.86	10.70	1.202	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.17	3.46	1.205	ok	1.204	1.144-1.264
1,1,1,2-Tetrachloroethane	10.79	10.70	1.008	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.09	10.70	1.223	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.35	4.86	1.512	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.43	10.70	1.722	ok	1.723	1.663-1.783
1,2,3-Trichloropropane	13.38	10.70	1.250	ok	1.250	1.190-1.310
1,2,3-Trimethylbenzene	17.19	10.70	1.607	ok	1.606	1.546-1.666
1,2,4-Trimethylbenzene	16.83	10.70	1.573	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.40	10.70	1.533	ok	1.532	1.472-1.592
2,2,4-Trimethylpentane	5.57	4.86	1.146	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.51	3.46	0.725	ok	0.727	0.667-0.787
Tetrachloroethylene	9.54	4.86	1.963	ok	1.963	1.903-2.023
Tetrahydrofuran	3.76	3.46	1.087	ok	1.092	1.032-1.152
Toluene	7.74	4.86	1.593	ok	1.593	1.533-1.653
Trichloroethylene	5.47	4.86	1.126	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.29	3.46	0.662	ok	0.661	0.601-0.721
Vinyl chloride	1.87	3.46	0.540	ok	0.541	0.481-0.601
Vinyl Acetate	3.05	3.46	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.13	10.70	1.134	ok	1.133	1.073-1.193
o-Xylene	13.08	10.70	1.222	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.40	10.70	0.224	ok	0.224	0.164-0.284

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	3.46	ok	3.46	3.13-3.79	153888	ok	152953	91772-214134
1,4-Difluorobenzene	4.86	ok	4.85	4.52-5.18	741367	ok	738350	443010-1033690
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	664344	ok	654540	392724-916356

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.23	3.46	0.645	ok	0.645	0.585-0.705
Acrolein	2.19	3.46	0.633	ok	0.633	0.573-0.693
Acrylonitrile	2.37	3.46	0.685	ok	0.685	0.625-0.745
Acetonitrile	2.14	3.46	0.618	ok	0.620	0.560-0.680
1,3-Butadiene	1.92	3.46	0.555	ok	0.555	0.495-0.615
Benzene	4.50	3.46	1.301	ok	1.301	1.241-1.361
Bromobenzene	14.49	10.70	1.354	ok	1.353	1.293-1.413
Bromodichloromethane	5.42	4.86	1.115	ok	1.115	1.055-1.175
Bromoform	11.94	10.70	1.116	ok	1.115	1.055-1.175
Bromomethane	2.00	3.46	0.578	ok	0.578	0.518-0.638
Bromoethene	2.15	3.46	0.621	ok	0.622	0.562-0.682
n-Butane	1.94	3.46	0.561	ok	0.560	0.500-0.620
Benzyl Chloride	16.91	10.70	1.580	ok	1.580	1.520-1.640
n-Butylbenzene	17.58	10.70	1.643	ok	1.643	1.583-1.703
sec-Butylbenzene	17.09	10.70	1.597	ok	1.596	1.536-1.656
tert-Butylbenzene	16.82	10.70	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.64	3.46	0.763	ok	0.763	0.703-0.823
Chlorobenzene	10.78	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.73	3.46	0.500	ok	0.502	0.442-0.562
Chloroethane	2.05	3.46	0.592	ok	0.590	0.530-0.650
Chlorotrifluoroethene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Chloroform	3.54	3.46	1.023	ok	1.023	0.963-1.083
Chloromethane	1.81	3.46	0.523	ok	0.523	0.463-0.583
3-Chloropropene	2.58	3.46	0.746	ok	0.746	0.686-0.806
2-Chlorotoluene	15.63	10.70	1.461	ok	1.460	1.400-1.520
Carbon tetrachloride	4.62	3.46	1.335	ok	1.336	1.276-1.396
Cyclohexane	4.73	4.86	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.97	3.46	0.858	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.50	3.46	0.723	ok	0.723	0.663-0.783
1,2-Dibromoethane (EDB)	8.66	4.86	1.782	ok	1.782	1.722-1.842
1,2-Dichloroethane	3.99	3.46	1.153	ok	1.152	1.092-1.212
1,2-Dichloropropane	5.22	4.86	1.074	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.80	4.86	1.605	ok	1.605	1.545-1.665
1,4-Dioxane	5.48	4.86	1.128	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.76	3.46	0.509	ok	0.509	0.449-0.569
Dichlorofluoromethane	2.08	3.46	0.601	ok	0.601	0.541-0.661
Dibromochloromethane	8.29	4.86	1.706	ok	1.707	1.647-1.767
Dibromomethane	5.18	4.86	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.46	0.835	ok	0.836	0.776-0.896

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.37	3.46	0.974	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.47	4.86	1.331	ok	1.331	1.271-1.391
m-Dichlorobenzene	16.89	10.70	1.579	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.24	10.70	1.611	ok	1.611	1.551-1.671
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.18	4.86	1.477	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.53	3.46	1.020	ok	1.020	0.960-1.080
2,3-Dimethylpentane	5.00	4.86	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.08	3.46	1.179	ok	1.179	1.119-1.239
Ethanol	2.08	3.46	0.601	ok	0.601	0.541-0.661
Ethylbenzene	11.68	10.70	1.092	ok	1.092	1.032-1.152
Ethyl Acetate	3.53	3.46	1.020	ok	1.021	0.961-1.081
Ethyl Acrylate	5.35	4.86	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	16.26	10.70	1.520	ok	1.519	1.459-1.579
Freon 113	2.64	3.46	0.763	ok	0.763	0.703-0.823
Freon 114	1.84	3.46	0.532	ok	0.532	0.472-0.592
Freon 123	2.20	3.46	0.636	ok	0.636	0.576-0.696
Freon 123A	2.22	3.46	0.642	ok	0.642	0.582-0.702
Freon 142B	1.81	3.46	0.523	ok	0.523	0.463-0.583
Freon 152A	1.72	3.46	0.497	ok	0.498	0.438-0.558
Heptane	5.91	4.86	1.216	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.73	10.70	1.750	ok	1.749	1.689-1.809
Hexachloroethane	17.75	10.70	1.659	ok	1.658	1.598-1.718
Hexane	3.51	3.46	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.33	4.86	1.714	ok	1.716	1.656-1.776
Iodomethane	2.47	3.46	0.714	ok	0.714	0.654-0.774
Isopropylbenzene	14.62	10.70	1.366	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.30	3.46	0.665	ok	0.666	0.606-0.726
p-Isopropyltoluene	17.26	10.70	1.613	ok	1.612	1.552-1.672
Methylene chloride	2.53	3.46	0.731	ok	0.731	0.671-0.791
Methyl ethyl ketone	3.15	3.46	0.910	ok	0.914	0.854-0.974
Methyl Isobutyl Ketone	6.57	4.86	1.352	ok	1.356	1.296-1.416
Methyl Tert Butyl Ether	3.01	3.46	0.870	ok	0.871	0.811-0.931
Methylmethacrylate	5.80	4.86	1.193	ok	1.195	1.135-1.255
Naphthalene	18.49	10.70	1.728	ok	1.727	1.667-1.787
Nonane	14.21	10.70	1.328	ok	1.327	1.267-1.387
Octane	9.68	4.86	1.992	ok	1.994	1.934-2.054
Pentane	2.40	3.46	0.694	ok	0.694	0.634-0.754
n-Propylbenzene	15.96	10.70	1.492	ok	1.491	1.431-1.551

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	Reporting this level
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Propylene	1.75	3.46	0.506	ok	0.506	0.446-0.566
Styrene	12.86	10.70	1.202	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.17	3.46	1.205	ok	1.204	1.144-1.264
1,1,1,2-Tetrachloroethane	10.80	10.70	1.009	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.09	10.70	1.223	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.35	4.86	1.512	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.44	10.70	1.723	ok	1.723	1.663-1.783
1,2,3-Trichloropropane	13.38	10.70	1.250	ok	1.250	1.190-1.310
1,2,3-Trimethylbenzene	17.19	10.70	1.607	ok	1.606	1.546-1.666
1,2,4-Trimethylbenzene	16.84	10.70	1.574	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.40	10.70	1.533	ok	1.532	1.472-1.592
2,2,4-Trimethylpentane	5.57	4.86	1.146	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.51	3.46	0.725	ok	0.727	0.667-0.787
Tetrachloroethylene	9.54	4.86	1.963	ok	1.963	1.903-2.023
Tetrahydrofuran	3.76	3.46	1.087	ok	1.092	1.032-1.152
Toluene	7.74	4.86	1.593	ok	1.593	1.533-1.653
Trichloroethylene	5.47	4.86	1.126	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.29	3.46	0.662	ok	0.661	0.601-0.721
Vinyl chloride	1.87	3.46	0.540	ok	0.541	0.481-0.601
Vinyl Acetate	3.05	3.46	0.882	ok	0.882	0.822-0.942
m,p-Xylene	12.13	10.70	1.134	ok	1.133	1.073-1.193
o-Xylene	13.08	10.70	1.222	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.40	10.70	0.224	ok	0.224	0.164-0.284

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	3.46	ok	3.46	3.13-3.79	154612	ok	152953	91772-214134
1,4-Difluorobenzene	4.86	ok	4.85	4.52-5.18	745887	ok	738350	443010-1033690
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	663477	ok	654540	392724-916356

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.23	3.45	0.646	ok	0.645	0.585-0.705
Acrolein	2.19	3.45	0.635	ok	0.633	0.573-0.693
Acrylonitrile	2.37	3.45	0.687	ok	0.685	0.625-0.745
Acetonitrile	2.15	3.45	0.623	ok	0.620	0.560-0.680
1,3-Butadiene	1.92	3.45	0.557	ok	0.555	0.495-0.615
Benzene	4.50	3.45	1.304	ok	1.301	1.241-1.361
Bromobenzene	14.46	10.68	1.354	ok	1.353	1.293-1.413
Bromodichloromethane	5.40	4.85	1.113	ok	1.115	1.055-1.175
Bromoform	11.91	10.68	1.115	ok	1.115	1.055-1.175
Bromomethane	2.00	3.45	0.580	ok	0.578	0.518-0.638
Bromoethene	2.15	3.45	0.623	ok	0.622	0.562-0.682
n-Butane	1.93	3.45	0.559	ok	0.560	0.500-0.620
Benzyl Chloride	16.90	10.68	1.582	ok	1.580	1.520-1.640
n-Butylbenzene	17.58	10.68	1.646	ok	1.643	1.583-1.703
sec-Butylbenzene	17.08	10.68	1.599	ok	1.596	1.536-1.656
tert-Butylbenzene	16.82	10.68	1.575	ok	1.572	1.512-1.632
Carbon disulfide	2.64	3.45	0.765	ok	0.763	0.703-0.823
Chlorobenzene	10.77	10.68	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.74	3.45	0.504	ok	0.502	0.442-0.562
Chloroethane	2.04	3.45	0.591	ok	0.590	0.530-0.650
Chlorotrifluoroethene	1.75	3.45	0.507	ok	0.506	0.446-0.566
Chloroform	3.53	3.45	1.023	ok	1.023	0.963-1.083
Chloromethane	1.81	3.45	0.525	ok	0.523	0.463-0.583
3-Chloropropene	2.58	3.45	0.748	ok	0.746	0.686-0.806
2-Chlorotoluene	15.61	10.68	1.462	ok	1.460	1.400-1.520
Carbon tetrachloride	4.62	3.45	1.339	ok	1.336	1.276-1.396
Cyclohexane	4.73	4.85	0.975	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.97	3.45	0.861	ok	0.859	0.799-0.919
1,1-Dichloroethylene	2.50	3.45	0.725	ok	0.723	0.663-0.783
1,2-Dibromoethane (EDB)	8.64	4.85	1.781	ok	1.782	1.722-1.842
1,2-Dichloroethane	3.98	3.45	1.154	ok	1.152	1.092-1.212
1,2-Dichloropropane	5.22	4.85	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.79	4.85	1.606	ok	1.605	1.545-1.665
1,4-Dioxane	5.53	4.85	1.140	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.76	3.45	0.510	ok	0.509	0.449-0.569
Dichlorofluoromethane	2.08	3.45	0.603	ok	0.601	0.541-0.661
Dibromochloromethane	8.28	4.85	1.707	ok	1.707	1.647-1.767
Dibromomethane	5.17	4.85	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.89	3.45	0.838	ok	0.836	0.776-0.896

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.37	3.45	0.977	ok	0.974	0.914-1.034
cis-1,3-Dichloropropene	6.45	4.85	1.330	ok	1.331	1.271-1.391
m-Dichlorobenzene	16.88	10.68	1.581	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.24	10.68	1.614	ok	1.611	1.551-1.671
p-Dichlorobenzene	16.96	10.68	1.588	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.17	4.85	1.478	ok	1.479	1.419-1.539
Di-Isopropyl ether	3.53	3.45	1.023	ok	1.020	0.960-1.080
2,3-Dimethylpentane	5.00	4.85	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.08	3.45	1.183	ok	1.179	1.119-1.239
Ethanol	2.08	3.45	0.603	ok	0.601	0.541-0.661
Ethylbenzene	11.67	10.68	1.093	ok	1.092	1.032-1.152
Ethyl Acetate	3.53	3.45	1.023	ok	1.021	0.961-1.081
Ethyl Acrylate	5.35	4.85	1.103	ok	1.103	1.043-1.163
4-Ethyltoluene	16.24	10.68	1.521	ok	1.519	1.459-1.579
Freon 113	2.64	3.45	0.765	ok	0.763	0.703-0.823
Freon 114	1.84	3.45	0.533	ok	0.532	0.472-0.592
Freon 115	1.69	3.45	0.490	ok	0.489	0.429-0.549
Freon 123	2.20	3.45	0.638	ok	0.636	0.576-0.696
Freon 123A	2.22	3.45	0.643	ok	0.642	0.582-0.702
Freon 142B	1.81	3.45	0.525	ok	0.523	0.463-0.583
Freon 152A	1.72	3.45	0.499	ok	0.498	0.438-0.558
Heptane	5.90	4.85	1.216	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.74	10.68	1.755	ok	1.749	1.689-1.809
Hexachloroethane	17.76	10.68	1.663	ok	1.658	1.598-1.718
Hexane	3.51	3.45	1.017	ok	1.015	0.955-1.075
2-Hexanone	8.33	4.85	1.718	ok	1.716	1.656-1.776
Iodomethane	2.47	3.45	0.716	ok	0.714	0.654-0.774
Isopropylbenzene	14.59	10.68	1.366	ok	1.365	1.305-1.425
Isopropyl Alcohol	2.31	3.45	0.670	ok	0.666	0.606-0.726
p-Isopropyltoluene	17.25	10.68	1.615	ok	1.612	1.552-1.672
Methylene chloride	2.53	3.45	0.733	ok	0.731	0.671-0.791
Methyl ethyl ketone	3.16	3.45	0.916	ok	0.914	0.854-0.974
Methyl Isobutyl Ketone	6.58	4.85	1.357	ok	1.356	1.296-1.416
Methyl Tert Butyl Ether	3.01	3.45	0.872	ok	0.871	0.811-0.931
Methylmethacrylate	5.80	4.85	1.196	ok	1.195	1.135-1.255
Naphthalene	18.50	10.68	1.732	ok	1.727	1.667-1.787
Nonane	14.18	10.68	1.328	ok	1.327	1.267-1.387
Octane	9.67	4.85	1.994	ok	1.994	1.934-2.054
Pentane	2.40	3.45	0.696	ok	0.694	0.634-0.754

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V8W244-IC244	8W06380.D	07/22/24 22:55	TCH	0.04	GCMS8W	TO-15	
V8W244-IC244	8W06381.D	07/22/24 23:30	TCH	0.1	GCMS8W	TO-15	
V8W244-IC244	8W06382.D	07/23/24 00:06	TCH	0.2	GCMS8W	TO-15	
V8W244-IC244	8W06386.D	07/23/24 02:37	TCH	5	GCMS8W	TO-15	
V8W244-ICC244	8W06387.D	07/23/24 03:13	TCH	10	GCMS8W	TO-15	
V8W244-IC244	8W06388.D	07/23/24 03:49	TCH	20	GCMS8W	TO-15	
V8W244-IC244	8W06389.D	07/23/24 04:29	TCH	40	GCMS8W	TO-15	
V8W244-IC244	8W06390.D	07/23/24 05:10	TCH	50	GCMS8W	TO-15	
V8W244-IC244	8W06400.D	07/23/24 14:46	TCH	0.5	GCMS8W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
n-Propylbenzene	15.94	10.68	1.493	ok	1.491	1.431-1.551
Propylene	1.75	3.45	0.507	ok	0.506	0.446-0.566
Styrene	12.84	10.68	1.202	ok	1.201	1.141-1.261
1,1,1-Trichloroethane	4.16	3.45	1.206	ok	1.204	1.144-1.264
1,1,1,2-Tetrachloroethane	10.78	10.68	1.009	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.07	10.68	1.224	ok	1.222	1.162-1.282
1,1,2-Trichloroethane	7.34	4.85	1.513	ok	1.513	1.453-1.573
1,2,4-Trichlorobenzene	18.46	10.68	1.728	ok	1.723	1.663-1.783
1,2,3-Trichloropropane	13.36	10.68	1.251	ok	1.250	1.190-1.310
1,2,3-Trimethylbenzene	17.18	10.68	1.609	ok	1.606	1.546-1.666
1,2,4-Trimethylbenzene	16.82	10.68	1.575	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.38	10.68	1.534	ok	1.532	1.472-1.592
2,2,4-Trimethylpentane	5.56	4.85	1.146	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.52	3.45	0.730	ok	0.727	0.667-0.787
Tetrachloroethylene	9.52	4.85	1.963	ok	1.963	1.903-2.023
Tetrahydrofuran	3.78	3.45	1.096	ok	1.092	1.032-1.152
Toluene	7.72	4.85	1.592	ok	1.593	1.533-1.653
Trichloroethylene	5.46	4.85	1.126	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.28	3.45	0.661	ok	0.661	0.601-0.721
Vinyl chloride	1.87	3.45	0.542	ok	0.541	0.481-0.601
Vinyl Acetate	3.05	3.45	0.884	ok	0.882	0.822-0.942
m,p-Xylene	12.10	10.68	1.133	ok	1.133	1.073-1.193
o-Xylene	13.06	10.68	1.223	ok	1.222	1.162-1.282
TVHC As Equiv Pentane	2.40	10.68	0.225	ok	0.224	0.164-0.284

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	3.45	ok	3.46	3.13-3.79	158738	ok	152953	91772-214134
1,4-Difluorobenzene	4.85	ok	4.85	4.52-5.18	765229	ok	738350	443010-1033690
Chlorobenzene-D5	10.68	ok	10.70	10.37-11.03	672525	ok	654540	392724-916356

Surrogate Recovery Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JD91960-1	8W06520.D	87
JD91960-2	8W06554.D	87
JD91786-1DUP	8W06503.D	85
JD91882-2DUP	8W06538.D	88
V7W222-SCC	7W05820.D	86
V7W236-SCC	7W06252.D	89
V8W249-BS	8W06490.D	86
V8W249-BSD	8W06491.D	86
V8W249-MB	8W06497.D	79
V8W250-BS	8W06529.D	88
V8W250-BSD	8W06530.D	87
V8W250-MB	8W06533.D	85
V7W222-BS	7W05813.D	91
V7W222-BSD	7W05814.D	90
V7W222-MB	7W05816.D	87
V7W236-BS	7W06243.D	93
V7W236-BSD	7W06244.D	93
V7W236-MB	7W06248.D	91

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W201-ICC0201
Lab FileID: 7W05128.D

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W0201.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

Calibration Files
0.04=7w05123.D 0.10=7w05124.D 0.20=7w05125.D 0.5 =7w05126.D
5.0 =7w05127.D 10 =7w05128.D 20 =7w05129.D 40 =7w05130.D
50 =7w05131.D =

Compound	0.04	0.10	0.20	0.5	5.0	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) FREON 152A	0.808	0.875	0.824	0.845	0.832	0.810	0.835	0.817		0.831	2.62
4) CHLORODIFLUOROMETHANE	0.385	0.366	0.352	0.365	0.352	0.345	0.356	0.345		0.358	3.70
5) CHLOROTRIFLUOROETHENE	1.786	1.792	1.678	1.751	1.698	1.687	1.740	1.705		1.729	2.56
6) DICHLORODIFLUOROMETHANE	3.109	3.632	3.661	3.490	3.637	3.526	3.474	3.598	3.600	3.525	4.81
7) PROPYLENE	1.746	1.485	1.293	1.169	1.136	1.108	1.138	1.109		1.273	18.07
8) 1-CHLORO-1,1-DIFLUOROETHANE	2.480	2.525	2.584	2.497	2.524	2.457	2.405	2.445	2.389	2.479	2.50
9) FREON 114	3.072	3.057	3.030	3.012	3.105	3.044	2.997	3.066	2.973	3.040	1.35
10) CHLOROMETHANE	0.483	0.479	0.435	0.445	0.428	0.411	0.414	0.399		0.437	7.07
11) VINYL CHLORIDE	1.465	1.411	1.434	1.507	1.458	1.429	1.449	1.409		1.446	2.23
12) 1,3-BUTADIENE	1.381	1.170	1.176	1.216	1.173	1.136	1.143	1.097		1.187	7.24
13) N-BUTANE	3.447	2.495	2.310	2.289	2.269	2.171	2.097	2.079	1.987	2.349	18.67
14) BROMOMETHANE	1.148	1.190	1.140	1.133	1.094	1.079	1.089	1.058		1.116	3.93
15) CHLOROETHANE	0.833	0.784	0.773	0.786	0.776	0.755	0.762	0.736		0.776	3.66
16) DICHLOROFLUOROMETHANE	2.599	2.826	2.810	2.778	2.867	2.784	2.732	2.754	2.675	2.758	2.95
17) ACETONITRILE	2.071	1.847	1.803	1.474	1.432	1.364	1.315	1.311	1.256	1.541	18.87
18) ACROLEIN	1.027	0.843	0.755	0.755	0.719	0.708	0.703	0.679		0.774	14.73
19) FREON 123	2.867	2.991	2.889	2.774	2.869	2.793	2.729	2.759	2.672	2.816	3.44
20) FREON 123A	1.604	1.554	1.529	1.599	1.543	1.509	1.529	1.490		1.545	2.60
21) TRICHLOROFLUOROMETHANE	3.068	2.988	3.160	3.015	3.135	3.043	2.973	3.012	2.920	3.035	2.52
22) ISOPROPYL ALCOHOL	4.732	3.646	3.355	3.253	3.051	2.933	2.880	2.775		3.328	19.06
23) ACETONE											

Initial Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Sample: V7W201-ICC0201
Lab FileID: 7W05128.D

			1.399	1.129	0.821	0.772	0.739	0.735	0.707	0.900	29.20
24)	PENTANE										
	2.123	1.889	1.771	1.681	1.621	1.576	1.517	1.485	1.415	1.675	13.31
25)	IODOMETHANE										
	2.689	3.034	3.138	3.040	3.141	3.039	2.995	3.045	2.951	3.008	4.46
26)	1,1-DICHLOROETHYLENE										
		1.309	1.200	1.178	1.222	1.179	1.147	1.163	1.123	1.190	4.77
27)	CARBON DISULFIDE										
	2.994	3.102	3.008	3.039	3.176	3.106	3.061	3.103	3.009	3.066	1.96
28)	ETHANOL										
				0.983	0.792	0.750	0.696	0.696	0.670	0.764	15.15
29)	BROMOETHENE										
		1.096	1.160	1.109	1.134	1.108	1.090	1.112	1.076	1.111	2.37
30)	ACRYLONITRILE										
		1.193	1.209	1.158	1.172	1.150	1.117	1.117	1.070	1.148	3.95
31)	METHYLENE CHLORIDE										
		1.270	1.162	1.142	1.125	1.088	1.066	1.075	1.038	1.121	6.52
32)	3-CHLOROPROPENE										
		0.618	0.536	0.581	0.596	0.587	0.588	0.600	0.583	0.586	4.01
33)	FREON 113										
		1.913	1.957	1.825	1.945	1.887	1.856	1.875	1.821	1.885	2.72
34)	TRANS-1,2-DICHLOROETHENE										
		1.445	1.380	1.339	1.362	1.328	1.304	1.337	1.307	1.350	3.41
35)	TERTIARY BUTYL ALCOHOL										
	3.109	3.630	3.422	3.260	3.323	3.223	3.160	3.023	2.949	3.233	6.45
36)	METHYL TERTIARY BUTYL ETHER										
	3.830	3.996	4.161	4.020	4.152	3.999	3.950	4.057	3.969	4.015	2.53
37)	TETRAHYDROFURAN										
		0.677	0.740	0.695	0.734	0.710	0.700	0.712	0.694	0.708	2.97
38)	HEXANE										
	2.759	2.716	2.979	2.827	2.885	2.820	2.735	2.752	2.644	2.791	3.57
39)	VINYL ACETATE										
			0.342	0.318	0.343	0.345	0.364	0.388	0.383	0.355	7.03
40)	1,1-DICHLOROETHANE										
	2.585	2.670	2.897	2.769	2.902	2.813	2.756	2.838	2.760	2.777	3.70
41)	METHYL ETHYL KETONE										
		0.774	0.753	0.773	0.764	0.750	0.738	0.747	0.733	0.754	1.99
42)	CIS-1,2-DICHLOROETHENE										
		1.449	1.529	1.475	1.493	1.442	1.423	1.461	1.420	1.462	2.52
43)	DIISOPROPYL ETHER										
		0.946	0.815	0.827	0.849	0.828	0.802	0.814	0.781	0.833	6.00
44)	ETHYL ACETATE										
		0.432	0.419	0.493	0.527	0.517	0.509	0.528	0.508	0.492	8.59
45)	METHYL ACRYLATE										
	3.291	3.363	3.388	3.349	3.530	3.463	3.415	3.463	3.359	3.402	2.15
46)	CHLOROFORM										
	2.707	2.744	2.992	2.807	2.912	2.828	2.781	2.801	2.713	2.809	3.31
47)	2,4-DIMETHYLPENTANE										
	3.258	3.328	3.502	3.384	3.508	3.380	3.302	3.354	3.252	3.363	2.77
48)	1,1,1-TRICHLOROETHANE										
	2.190	2.584	2.473	2.357	2.588	2.576	2.621	2.746	2.712	2.539	6.88
49)	CARBON TETRACHLORIDE										
		1.945	1.906	1.869	2.215	2.365	2.523	2.768	2.759	2.294	16.12
50)	1,2-DICHLOROETHANE										
	2.075	2.197	2.216	2.233	2.286	2.215	2.170	2.213	2.150	2.195	2.69
51)	BENZENE										
	4.745	4.658	4.583	4.436	4.531	4.395	4.293	4.376	4.272	4.477	3.65
52)	I 1,4-DIFLUOROBENZENE	----------ISTD----------									
53)	CYCLOHEXANE										

		0.374	0.380	0.376	0.393	0.384	0.379	0.388	0.380	0.382	1.66
54)	2,3-DIMETHYLPENTANE										
		0.197	0.207	0.199	0.208	0.203	0.199	0.206	0.202	0.203	2.01
55)	TRICHLOROETHENE										
		0.337	0.385	0.367	0.372	0.379	0.373	0.367	0.378	0.370	0.370	3.74
56)	1,2-DICHLOROPROPANE										
		0.339	0.369	0.358	0.376	0.366	0.363	0.374	0.367	0.364	3.17
57)	DIBROMOMETHANE										
		0.380	0.356	0.331	0.326	0.328	0.324	0.322	0.335	0.330	0.337	5.66
58)	ETHYL ACRYLATE										
		0.786	0.752	0.800	0.783	0.863	0.845	0.844	0.868	0.855	0.822	5.10
59)	BROMODICHLOROMETHANE										
		0.397	0.461	0.451	0.437	0.550	0.568	0.581	0.617	0.607	0.519	15.88
60)	2,2,4-TRIMETHYLPENTANE										
		1.657	1.789	1.842	1.814	1.888	1.780	1.737	1.774	1.734	1.779	3.77
61)	1,4-DIOXANE										
		0.208	0.214	0.220	0.226	0.212	0.203	0.205	0.205	0.212	3.88
62)	HEPTANE										
		0.592	0.640	0.647	0.635	0.660	0.638	0.621	0.628	0.611	0.630	3.21
63)	METHYL METHACRYLATE										
		0.345	0.327	0.317	0.346	0.339	0.336	0.349	0.344	0.338	3.22
64)	METHYL ISOBUTYL KETONE										
		0.390	0.371	0.388	0.395	0.376	0.358	0.354	0.349	0.372	4.71
65)	CIS-1,3-DICHLOROPROPENE										
		0.406	0.376	0.394	0.374	0.443	0.458	0.475	0.511	0.508	0.438	12.21
66)	TOLUENE										
		1.018	1.065	1.062	1.044	1.067	1.046	1.032	1.067	1.051	1.050	1.62
67)	1,3-DICHLOROPROPANE										
		0.487	0.524	0.523	0.525	0.547	0.536	0.530	0.544	0.534	0.528	3.34
68)	TRANS-1,3-DICHLOROPROPENE										
		0.318	0.326	0.328	0.371	0.396	0.423	0.464	0.467	0.387	15.74
69)	1,1,2-TRICHLOROETHANE										
		0.278	0.323	0.291	0.308	0.305	0.301	0.313	0.305	0.303	4.51
70)	2-HEXANONE										
		0.687	0.743	0.710	0.694	0.607	0.559	0.539	0.512	0.507	0.618	14.93
71)	ETHYL METHACRYLATE										
		0.470	0.487	0.521	0.528	0.570	0.564	0.563	0.573	0.568	0.538	7.20
72)	TETRACHLOROETHENE										
		0.367	0.408	0.385	0.378	0.401	0.395	0.397	0.415	0.408	0.395	3.95
73)	DIBROMOCHLOROMETHANE										
		0.391	0.397	0.320	0.440	0.486	0.531	0.594	0.598	0.470	21.42
74)	1,2-DIBROMOETHANE										
		0.417	0.459	0.497	0.504	0.553	0.553	0.557	0.577	0.571	0.521	10.63
75)	OCTANE										
		0.867	0.839	0.886	0.887	0.924	0.890	0.875	0.894	0.876	0.882	2.58
76)	I CHLOROBENZENE-D5	----------	ISTD	----------							
77)	1,1,1,2-TETRACHLOROETHANE										
		0.311	0.310	0.294	0.382	0.406	0.438	0.481	0.469	0.386	19.29
78)	CHLOROBENZENE										
		0.871	0.921	0.930	0.929	0.958	0.930	0.927	0.965	0.929	0.929	2.84
79)	ETHYLBENZENE										
		1.461	1.452	1.470	1.501	1.554	1.503	1.499	1.555	1.497	1.499	2.44
80)	M,P-XYLENE										
		1.115	1.123	1.157	1.163	1.212	1.167	1.159	1.195	1.154	1.160	2.62
81)	O-XYLENE										
		1.073	1.177	1.175	1.215	1.236	1.193	1.182	1.206	1.168	1.180	3.89
82)	STYRENE										
		0.720	0.785	0.831	0.849	0.934	0.925	0.923	0.956	0.926	0.872	9.26
83)	NONANE										

```
          0.943 0.970 0.972 1.009 1.044 1.002 0.988 1.011 0.970   0.990    3.04
 84)  BROMOFORM
                0.330 0.338 0.315 0.406 0.432 0.491 0.575 0.576   0.433   24.44
 85)  1,1,2,2-TETRACHLOROETHANE
          0.788 0.837 0.817 0.815 0.882 0.872 0.875 0.897 0.871   0.851    4.38
 86)  1,2,3-TRICHLOROPROPANE
          0.646 0.644 0.657 0.664 0.723 0.705 0.695 0.714 0.693   0.682    4.40
 87)  4-BROMOFLUOROBENZENE
          0.736 0.741 0.738 0.753 0.754 0.750 0.763 0.763 0.748   0.750    1.33
 88)  ISOPROPYLBENZENE
                0.420 0.437 0.434 0.471 0.458 0.454 0.464 0.450   0.449    3.77
 89)  BROMOBENZENE
          0.798 0.806 0.884 0.863 0.906 0.878 0.871 0.894 0.864   0.863    4.29
 90)  2-CHLOROTOLUENE
                0.410 0.385 0.418 0.425 0.417 0.416 0.428 0.416   0.414    3.20
 91)  N-PROPYLBENZENE
                0.423 0.437 0.459 0.489 0.475 0.478 0.491 0.478   0.466    5.31
 92)  4-ETHYLTOLUENE
          1.472 1.534 1.543 1.596 1.774 1.742 1.746 1.789 1.750   1.661    7.41
 93)  1,3,5-TRIMETHYLBENZENE
          1.196 1.297 1.312 1.357 1.490 1.452 1.463 1.507 1.476   1.395    7.75
 94)  ALPHA-METHYLSTYRENE
          0.521 0.513 0.525 0.596 0.677 0.669 0.680 0.700 0.685   0.619   12.86
 95)  TERT-BUTYLBENZENE
                0.325 0.334 0.352 0.367 0.356 0.353 0.360 0.352   0.350    3.87
 96)  1,2,4-TRIMETHYLBENZENE
          1.178 1.311 1.325 1.384 1.529 1.487 1.490 1.536 1.499   1.416    8.72
 97)  BENZYL CHLORIDE
                     0.392 0.438 0.648 0.773 0.920 1.050 1.061   0.755   36.35
 98)  M-DICHLOROBENZENE
          0.861 0.908 0.927 0.905 0.977 0.958 0.969 1.009 0.985   0.944    5.00
 99)  P-DICHLOROBENZENE
          0.867 0.906 0.886 0.914 0.986 0.972 0.980 1.019 1.000   0.948    5.78
100)  O-DICHLOROBENZENE
          0.858 0.863 0.859 0.866 0.927 0.919 0.937 0.976 0.951   0.906    5.01
101)  SEC-BUTYLBENZENE
                0.396 0.408 0.415 0.447 0.432 0.439 0.448 0.441   0.428    4.56
102)  1,2,3-TRIMETHYLBENZENE
          1.177 1.401 1.355 1.375 1.515 1.486 1.502 1.560 1.532   1.434    8.40
103)  P-ISOPROPYLTOLUENE
                0.412 0.446 0.450 0.493 0.472 0.482 0.501 0.489   0.468    6.37
104)  N-BUTYLBENZENE
                0.387 0.393 0.415 0.466 0.455 0.475 0.498 0.492   0.448    9.71
105)  HEXACHLOROETHANE
                     0.200 0.202 0.308 0.365 0.423 0.507 0.516   0.360   36.41
106)  HEXACHLOROBUTADIENE
          0.529 0.540 0.602 0.583 0.596 0.607 0.653 0.736 0.781   0.625   13.52
107)  1,2,4-TRICHLOROBENZENE
                     0.590 0.630 0.779 0.817 0.893 1.040 1.130   0.840   23.72
108)  NAPHTHALENE
                     1.426 1.478 1.838 1.976 2.195 2.731 3.084   2.104   29.43

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
                9.237 8.668 7.827 7.795 7.165 7.132 7.067 6.433   7.666   12.01
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W0201.M         Tue Mar 05 17:18:42 2024
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Initial Calibration Verification

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W201-ICV0201
Lab FileID: 7W05135.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w05135.D Vial: 4
Acq On : 3 Mar 2024 9:19 am Operator: williamc
Sample : icv0201-10 Inst : MS7W
Misc : MS74014,v7w0201,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W0201.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Tue Mar 05 17:17:02 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	97	0.00	3.28
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.831	0.862	-3.7	100	0.00	1.66
4	T	CHLORODIFLUOROMETHANE	0.358	0.360	-0.6	99	0.00	1.68
5	T	CHLOROTRIFLUOROETHENE	1.729	1.805	-4.4	103	0.00	1.69
6	T	DICHLORODIFLUOROMETHANE	3.525	3.573	-1.4	98	0.00	1.70
7	T	PROPYLENE	1.273	1.161	8.8	99	0.00	1.68
8	T	1-CHLORO-1,1-DIFLUOROETHA	2.479	2.617	-5.6	103	0.00	1.74
9	T	FREON 114	3.040	3.053	-0.4	97	0.00	1.78
10	T	CHLOROMETHANE	0.437	0.447	-2.3	101	0.00	1.75
11	T	VINYL CHLORIDE	1.446	1.512	-4.6	100	0.00	1.81
12	t	1,3-BUTADIENE	1.187	1.200	-1.1	99	0.00	1.85
13	T	N-BUTANE	2.349	2.234	4.9	99	0.00	1.86
14	T	BROMOMETHANE	1.116	1.108	0.7	98	0.00	1.92
15	T	CHLOROETHANE	0.776	0.798	-2.8	99	0.00	1.97
16	T	DICHLOROFLUOROMETHANE	2.758	2.739	0.7	95	0.00	2.00
17	T	ACETONITRILE	1.541	1.328	13.8	94	0.00	2.06
18	T	ACROLEIN	0.774	0.674	12.9	90	0.00	2.10
19	T	FREON 123	2.816	2.955	-4.9	102	0.00	2.12
20	T	FREON 123A	1.545	1.751	-13.3	110	0.00	2.14
21	T	TRICHLOROFLUOROMETHANE	3.035	3.014	0.7	96	0.00	2.20
22	T	ISOPROPYL ALCOHOL	3.328	3.296	1.0	104	0.00	2.23
23	T	ACETONE	0.900	0.819	9.0	102	0.00	2.15
24	T	PENTANE	1.675	1.644	1.9	101	0.00	2.32
25	T	IODOMETHANE	3.008	3.023	-0.5	96	0.00	2.37
26	T	1,1-DICHLOROETHYLENE	1.190	1.244	-4.5	102	0.00	2.40
27	T	CARBON DISULFIDE	3.066	3.404	-11.0	106	0.00	2.53
28	T	ETHANOL	0.764	0.689	9.8	89	0.00	2.00
29	T	BROMOETHENE	1.111	1.153	-3.8	101	0.00	2.07
30	T	ACRYLONITRILE	1.148	1.152	-0.3	97	0.00	2.29
31	T	METHYLENE CHLORIDE	1.121	1.116	0.4	99	0.00	2.44
32	T	3-CHLOROPROPENE	0.586	0.605	-3.2	99	0.00	2.48
33	T	FREON 113	1.885	1.943	-3.1	99	0.00	2.53
34	T	TRANS-1,2-DICHLOROETHENE	1.350	1.389	-2.9	101	0.00	2.76
35	T	TERTIARY BUTYL ALCOHOL	3.233	3.037	6.1	91	0.00	2.43
36	t	METHYL TERTIARY BUTYL ETH	4.015	4.097	-2.0	99	0.00	2.88
37	T	TETRAHYDROFURAN	0.708	0.670	5.4	91	0.00	3.57
38	T	HEXANE	2.791	2.946	-5.6	101	0.00	3.33
39	T	VINYL ACETATE	0.355	0.363	-2.3	102	0.00	2.91
40	T	1,1-DICHLOROETHANE	2.777	2.885	-3.9	99	0.00	2.84
41	T	METHYL ETHYL KETONE	0.754	0.762	-1.1	98	0.00	3.01
42	T	CIS-1,2-DICHLOROETHENE	1.462	1.476	-1.0	99	0.00	3.20

Initial Calibration Verification

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W201-ICV0201
Lab FileID: 7W05135.D

43	T	DIISOPROPYL ETHER	0.833	0.856	-2.8	100	0.00	3.34
44	T	ETHYL ACETATE	0.492	0.575	-16.9	108	0.00	3.34
45	T	METHYL ACRYLATE	3.402	3.599	-5.8	100	0.00	3.33
46	T	CHLOROFORM	2.809	2.902	-3.3	99	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	3.363	3.440	-2.3	98	0.00	3.85
48	T	1,1,1-TRICHLOROETHANE	2.539	2.652	-4.5	99	0.00	3.93
49	T	CARBON TETRACHLORIDE	2.294	2.353	-2.6	96	0.00	4.35
50	T	1,2-DICHLOROETHANE	2.195	2.272	-3.5	99	0.00	3.76
51	t	BENZENE	4.477	4.468	0.2	98	0.00	4.24
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	97	0.00	4.56
53	T	CYCLOHEXANE	0.382	0.390	-2.1	98	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.203	0.209	-3.0	99	0.00	4.70
55	T	TRICHLOROETHENE	0.370	0.381	-3.0	99	0.00	5.14
56	T	1,2-DICHLOROPROPANE	0.364	0.375	-3.0	99	0.00	4.90
57	T	DIBROMOMETHANE	0.337	0.336	0.3	101	0.00	4.86
58	T	ETHYL ACRYLATE	0.822	0.870	-5.8	100	0.00	5.02
59	T	BROMODICHLOROMETHANE	0.519	0.580	-11.8	99	0.00	5.08
60	T	2,2,4-TRIMETHYLPENTANE	1.779	1.822	-2.4	99	0.00	5.23
61	T	1,4-DIOXANE	0.212	0.208	1.9	95	0.00	5.16
62	T	HEPTANE	0.630	0.654	-3.8	99	0.00	5.55
63	T	METHYL METHACRYLATE	0.338	0.339	-0.3	97	0.00	5.45
64	T	METHYL ISOBUTYL KETONE	0.372	0.373	-0.3	96	0.00	6.19
65	T	CIS-1,3-DICHLOROPROPENE	0.438	0.500	-14.2	106	0.00	6.07
66	T	TOLUENE	1.050	1.058	-0.8	98	0.00	7.28
67	T	1,3-DICHLOROPROPANE	0.528	0.552	-4.5	100	0.00	7.33
68	T	TRANS-1,3-DICHLOROPROPENE	0.387	0.408	-5.4	100	0.00	6.75
69	T	1,1,2-TRICHLOROETHANE	0.303	0.312	-3.0	99	0.00	6.91
70	T	2-HEXANONE	0.618	0.543	12.1	94	0.00	7.87
71	T	ETHYL METHACRYLATE	0.538	0.567	-5.4	97	0.00	7.98
72	T	TETRACHLOROETHENE	0.395	0.411	-4.1	101	0.00	9.00
73	T	DIBROMOCHLOROMETHANE	0.470	0.492	-4.7	98	0.00	7.81
74	T	1,2-DIBROMOETHANE	0.521	0.566	-8.6	99	0.00	8.15
75	T	OCTANE	0.882	0.903	-2.4	98	0.00	9.16
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	96	0.00	10.14
77	T	1,1,1,2-TETRACHLOROETHANE	0.386	0.412	-6.7	97	0.00	10.23
78	T	CHLOROBENZENE	0.929	0.952	-2.5	98	0.00	10.21
79	t	ETHYLBENZENE	1.499	1.548	-3.3	99	0.00	11.10
80	t	M,P-XYLENE	1.160	1.198	-3.3	98	0.00	11.52
81	t	O-XYLENE	1.180	1.220	-3.4	98	0.00	12.46
82	T	STYRENE	0.872	0.896	-2.8	93	0.00	12.24
83	T	NONANE	0.990	1.044	-5.5	100	0.00	13.58
84	T	BROMOFORM	0.433	0.427	1.4	95	0.00	11.34
85	T	1,1,2,2-TETRACHLOROETHANE	0.851	0.902	-6.0	99	0.00	12.47
86	T	1,2,3-TRICHLOROPROPANE	0.682	0.722	-5.9	98	0.00	12.75
87	S	4-BROMOFLUOROBENZENE	0.750	0.760	-1.3	97	0.00	13.50
88	T	ISOPROPYLBENZENE	0.449	0.466	-3.8	97	0.00	13.97
89	T	BROMOBENZENE	0.863	0.896	-3.8	98	0.00	13.84
90	T	2-CHLOROTOLUENE	0.414	0.426	-2.9	98	0.00	14.97
91	T	N-PROPYLBENZENE	0.466	0.488	-4.7	98	0.00	15.31
92	T	4-ETHYLTOLUENE	1.661	1.787	-7.6	98	0.00	15.75
93	T	1,3,5-TRIMETHYLBENZENE	1.395	1.501	-7.6	99	0.00	16.01
94	T	ALPHA-METHYLSTYRENE	0.619	0.620	-0.2	89	0.00	16.28
95	T	TERT-BUTYLBENZENE	0.350	0.361	-3.1	97	0.00	16.58
96	T	1,2,4-TRIMETHYLBENZENE	1.416	1.530	-8.1	98	0.00	16.59
97	T	BENZYL CHLORIDE	0.755	0.760	-0.7	94	0.00	16.68
98	T	M-DICHLOROBENZENE	0.944	0.983	-4.1	98	0.00	16.65
99	T	P-DICHLOROBENZENE	0.948	0.991	-4.5	98	0.00	16.74
100	T	O-DICHLOROBENZENE	0.906	0.927	-2.3	97	0.00	17.05

Initial Calibration Verification

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W201-ICV0201
Lab FileID: 7W05135.D

101	T	SEC-BUTYLBENZENE	0.428	0.444	-3.7	98	0.00	16.88
102	T	1,2,3-TRIMETHYLBENZENE	1.434	1.473	-2.7	95	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.468	0.483	-3.2	98	0.00	17.07
104	T	N-BUTYLBENZENE	0.448	0.465	-3.8	98	0.00	17.43
105	T	HEXACHLOROETHANE	0.360	0.309	14.2	81	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.625	0.605	3.2	95	0.00	18.65
107	T	1,2,4-TRICHLOROBENZENE	0.840	0.805	4.2	94	0.00	18.34
108	T	NAPHTHALENE	2.104	1.982	5.8	96	0.00	18.39
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	97	0.00	3.28
110		TVHC as equiv Pentane	7.666	7.718	-0.7	104	0.00	2.32

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w05128.D M7W0201.M Tue Mar 05 17:18:57 2024

Continuing Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W222-CC201
Lab FileID: 7W05812.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w05812.D Vial: 2
Acq On : 30 Mar 2024 11:15 am Operator: taylors
Sample : cc201-10 Inst : MS7W
Misc : MS79264,v7w0222,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W0201.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Tue Mar 05 17:17:02 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	112	0.00	3.28
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.831	0.709	14.7	95	0.00	1.66
4	T	CHLORODIFLUOROMETHANE	0.358	0.280	21.8	89	0.00	1.68
5	T	CHLOROTRIFLUOROETHENE	1.729	1.652	4.5	109	0.00	1.69
6	T	DICHLORODIFLUOROMETHANE	3.525	3.182	9.7	101	0.00	1.70
7	T	PROPYLENE	1.273	1.081	15.1	106	0.00	1.69
8	T	1-CHLORO-1,1-DIFLUOROETHA	2.479	2.251	9.2	102	0.00	1.74
9	T	FREON 114	3.040	2.730	10.2	100	0.00	1.78
10	T	CHLOROMETHANE	0.437	0.423	3.2	110	0.00	1.75
11	T	VINYL CHLORIDE	1.446	1.307	9.6	100	0.00	1.81
12	t	1,3-BUTADIENE	1.187	1.133	4.5	108	0.00	1.85
13	T	N-BUTANE	2.349	2.289	2.6	118	0.00	1.87
14	T	BROMOMETHANE	1.116	1.030	7.7	105	0.00	1.93
15	T	CHLOROETHANE	0.776	0.662	14.7	95	0.00	1.97
16	T	DICHLOROFLUOROMETHANE	2.758	2.384	13.6	96	0.00	2.00
17	T	ACETONITRILE	1.541	1.442	6.4	118	0.00	2.07
18	T	ACROLEIN	0.774	0.654	15.5	102	0.00	2.11
19	T	FREON 123	2.816	2.422	14.0	97	0.00	2.12
20	T	FREON 123A	1.545	1.489	3.6	108	0.00	2.14
21	T	TRICHLOROFLUOROMETHANE	3.035	2.839	6.5	104	0.00	2.20
22	T	ISOPROPYL ALCOHOL	3.328	2.981	10.4	109	0.00	2.23
23	T	ACETONE	0.900	0.703	21.9	102	0.00	2.15
24	T	PENTANE	1.675	1.623	3.1	115	0.00	2.32
25	T	IODOMETHANE	3.008	2.998	0.3	110	0.00	2.38
26	T	1,1-DICHLOROETHYLENE	1.190	1.079	9.3	102	0.00	2.41
27	T	CARBON DISULFIDE	3.066	2.591	15.5	93	0.00	2.54
28	T	ETHANOL	0.764	0.750	1.8	112	0.00	2.01
29	T	BROMOETHENE	1.111	1.036	6.8	104	0.00	2.08
30	T	ACRYLONITRILE	1.148	1.102	4.0	107	0.00	2.29
31	T	METHYLENE CHLORIDE	1.121	0.979	12.7	100	0.00	2.44
32	T	3-CHLOROPROPENE	0.586	0.500	14.7	95	0.00	2.48
33	T	FREON 113	1.885	1.884	0.1	111	0.00	2.54
34	T	TRANS-1,2-DICHLOROETHENE	1.350	1.199	11.2	101	0.00	2.77
35	T	TERTIARY BUTYL ALCOHOL	3.233	2.617	19.1	91	0.00	2.44
36	t	METHYL TERTIARY BUTYL ETH	4.015	2.938	26.8	82	0.00	2.88
37	T	TETRAHYDROFURAN	0.708	0.569	19.6	90	0.00	3.57
38	T	HEXANE	2.791	2.452	12.1	97	0.00	3.33
39	T	VINYL ACETATE	0.355	0.307	13.5	99	0.00	2.91
40	T	1,1-DICHLOROETHANE	2.777	2.327	16.2	92	0.00	2.84
41	T	METHYL ETHYL KETONE	0.754	0.595	21.1	89	0.00	3.01
42	T	CIS-1,2-DICHLOROETHENE	1.462	1.325	9.4	103	0.00	3.21

Continuing Calibration Summary

Job Number: JD91960 **Sample:** V7W222-CC201
Account: PSSNJW Paulus, Sokolowski and Sartor Inc **Lab FileID:** 7W05812.D
Project: Edge on Hudson, Sleepy Hollow, NY

43	T	DIISOPROPYL ETHER	0.833	0.704	15.5	95	0.00	3.34
44	T	ETHYL ACETATE	0.492	0.443	10.0	96	0.00	3.35
45	T	METHYL ACRYLATE	3.402	3.026	11.1	98	0.00	3.33
46	T	CHLOROFORM	2.809	2.403	14.5	95	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	3.363	2.927	13.0	97	0.00	3.85
48	T	1,1,1-TRICHLOROETHANE	2.539	2.296	9.6	99	0.00	3.93
49	T	CARBON TETRACHLORIDE	2.294	2.460	-7.2	116	0.00	4.35
50	T	1,2-DICHLOROETHANE	2.195	1.805	17.8	91	0.00	3.77
51	t	BENZENE	4.477	3.621	19.1	92	0.00	4.24
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	106	0.00	4.56
53	T	CYCLOHEXANE	0.382	0.347	9.2	96	0.00	4.45
54	T	2,3-DIMETHYLPENTANE	0.203	0.175	13.8	91	0.00	4.70
55	T	TRICHLOROETHENE	0.370	0.354	4.3	101	0.00	5.14
56	T	1,2-DICHLOROPROPANE	0.364	0.326	10.4	94	0.00	4.90
57	T	DIBROMOMETHANE	0.337	0.334	0.9	109	0.00	4.86
58	T	ETHYL ACRYLATE	0.822	0.769	6.4	96	0.00	5.03
59	T	BROMODICHLOROMETHANE	0.519	0.532	-2.5	99	0.00	5.08
60	T	2,2,4-TRIMETHYLPENTANE	1.779	1.632	8.3	97	0.00	5.23
61	T	1,4-DIOXANE	0.212	0.199	6.1	99	0.00	5.17
62	T	HEPTANE	0.630	0.621	1.4	103	0.00	5.55
63	T	METHYL METHACRYLATE	0.338	0.289	14.5	90	0.00	5.45
64	T	METHYL ISOBUTYL KETONE	0.372	0.338	9.1	95	0.00	6.20
65	T	CIS-1,3-DICHLOROPROPENE	0.438	0.393	10.3	91	0.00	6.07
66	T	TOLUENE	1.050	0.973	7.3	99	0.00	7.28
67	T	1,3-DICHLOROPROPANE	0.528	0.463	12.3	92	0.00	7.34
68	T	TRANS-1,3-DICHLOROPROPENE	0.387	0.326	15.8	87	0.00	6.75
69	T	1,1,2-TRICHLOROETHANE	0.303	0.274	9.6	95	0.00	6.91
70	T	2-HEXANONE	0.618	0.526	14.9	100	0.00	7.87
71	T	ETHYL METHACRYLATE	0.538	0.476	11.5	89	0.00	7.99
72	T	TETRACHLOROETHENE	0.395	0.384	2.8	103	0.00	9.01
73	T	DIBROMOCHLOROMETHANE	0.470	0.573	-21.9	125	0.00	7.81
74	T	1,2-DIBROMOETHANE	0.521	0.532	-2.1	102	0.00	8.15
75	T	OCTANE	0.882	0.865	1.9	103	0.00	9.16
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	107	0.00	10.14
77	T	1,1,1,2-TETRACHLOROETHANE	0.386	0.454	-17.6	119	0.00	10.23
78	T	CHLOROBENZENE	0.929	0.903	2.8	104	0.00	10.21
79	t	ETHYLBENZENE	1.499	1.373	8.4	97	0.00	11.10
80	t	M,P-XYLENE	1.160	1.052	9.3	96	0.00	11.53
81	t	O-XYLENE	1.180	1.073	9.1	96	0.00	12.46
82	T	STYRENE	0.872	0.852	2.3	98	0.00	12.25
83	T	NONANE	0.990	0.965	2.5	103	0.00	13.58
84	T	BROMOFORM	0.433	0.557	-28.6	138	0.00	11.33
85	T	1,1,2,2-TETRACHLOROETHANE	0.851	0.770	9.5	94	0.00	12.47
86	T	1,2,3-TRICHLOROPROPANE	0.682	0.596	12.6	90	0.00	12.75
87	S	4-BROMOFLUOROBENZENE	0.750	0.673	10.3	96	0.00	13.49
88	T	ISOPROPYLBENZENE	0.449	0.444	1.1	103	0.00	13.97
89	T	BROMOBENZENE	0.863	0.733	15.1	89	0.00	13.84
90	T	2-CHLOROTOLUENE	0.414	0.420	-1.4	108	0.00	14.97
91	T	N-PROPYLBENZENE	0.466	0.461	1.1	103	0.00	15.31
92	T	4-ETHYLTOLUENE	1.661	1.590	4.3	97	0.00	15.76
93	T	1,3,5-TRIMETHYLBENZENE	1.395	1.307	6.3	96	0.00	16.01
94	T	ALPHA-METHYLSTYRENE	0.619	0.631	-1.9	101	0.00	16.28
95	T	TERT-BUTYLBENZENE	0.350	0.344	1.7	103	0.00	16.58
96	T	1,2,4-TRIMETHYLBENZENE	1.416	1.338	5.5	96	0.00	16.59
97	T	BENZYL CHLORIDE	0.755	0.579	23.3	80	0.00	16.68
98	T	M-DICHLOROBENZENE	0.944	0.935	1.0	104	0.00	16.65
99	T	P-DICHLOROBENZENE	0.948	0.944	0.4	104	0.00	16.74
100	T	O-DICHLOROBENZENE	0.906	0.889	1.9	103	0.00	17.05

Continuing Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W222-CC201
Lab FileID: 7W05812.D

101	T	SEC-BUTYLBENZENE	0.428	0.424	0.9	105	0.00	16.88
102	T	1,2,3-TRIMETHYLBENZENE	1.434	1.310	8.6	94	0.00	17.00
103	T	P-ISOPROPYLTOLUENE	0.468	0.460	1.7	104	0.00	17.07
104	T	N-BUTYLBENZENE	0.448	0.443	1.1	104	0.00	17.43
105	T	HEXACHLOROETHANE	0.360	0.459	-27.5	134	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.625	0.607	2.9	107	0.00	18.65
107	T	1,2,4-TRICHLOROBENZENE	0.840	0.768	8.6	100	0.00	18.34
108	T	NAPHTHALENE	2.104	1.826	13.2	99	0.00	18.39
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	112	0.00	3.28
110		TVHC as equiv Pentane	7.666	7.460	2.7	116	0.00	2.32

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w05128.D M7W0201.M Mon Apr 01 17:54:45 2024

Continuing Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W236-CC201
Lab FileID: 7W06242.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w06242.D Vial: 2
Acq On : 19 Apr 2024 7:22 pm Operator: benk
Sample : cc201-10 Inst : MS7W
Misc : MS79448,v7w0236,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W0201.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Tue Mar 05 17:17:02 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	95	0.00	3.28
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.831	0.714	14.1	82	0.00	1.66
4	T	CHLORODIFLUOROMETHANE	0.358	0.290	19.0	78	0.00	1.68
5	T	CHLOROTRIFLUOROETHENE	1.729	1.794	-3.8	100	0.00	1.69
6	T	DICHLORODIFLUOROMETHANE	3.525	3.514	0.3	95	0.00	1.70
7	T	PROPYLENE	1.273	1.090	14.4	91	0.00	1.69
8	T	1-CHLORO-1,1-DIFLUOROETHA	2.479	2.351	5.2	91	0.00	1.74
9	T	FREON 114	3.040	3.238	-6.5	101	0.00	1.78
10	T	CHLOROMETHANE	0.437	0.412	5.7	91	0.00	1.75
11	T	VINYL CHLORIDE	1.446	1.480	-2.4	96	0.00	1.81
12	t	1,3-BUTADIENE	1.187	1.314	-10.7	106	0.00	1.85
13	T	N-BUTANE	2.349	2.778	-18.3	122	0.00	1.87
14	T	BROMOMETHANE	1.116	1.275	-14.2	111	0.00	1.93
15	T	CHLOROETHANE	0.776	0.819	-5.5	100	0.00	1.97
16	T	DICHLOROFLUOROMETHANE	2.758	3.040	-10.2	104	0.00	2.00
17	T	ACETONITRILE	1.541	1.885	-22.3	131	0.00	2.07
18	T	ACROLEIN	0.774	0.756	2.3	100	0.00	2.11
19	T	FREON 123	2.816	3.052	-8.4	104	0.00	2.12
20	T	FREON 123A	1.545	1.887	-22.1	116	0.00	2.14
21	T	TRICHLOROFLUOROMETHANE	3.035	3.697	-21.8	115	0.00	2.20
22	T	ISOPROPYL ALCOHOL	3.328	4.038	-21.3	126	0.00	2.23
23	T	ACETONE	0.900	0.875	2.8	108	0.00	2.15
24	T	PENTANE	1.675	2.014	-20.2	121	0.00	2.32
25	T	IODOMETHANE	3.008	3.791	-26.0	119	0.00	2.38
26	T	1,1-DICHLOROETHYLENE	1.190	1.329	-11.7	107	0.00	2.41
27	T	CARBON DISULFIDE	3.066	2.581	15.8	79	0.00	2.54
28	T	ETHANOL	0.764	0.984	-28.8	125	0.00	2.01
29	T	BROMOETHENE	1.111	1.298	-16.8	111	0.00	2.07
30	T	ACRYLONITRILE	1.148	1.344	-17.1	111	0.00	2.29
31	T	METHYLENE CHLORIDE	1.121	1.122	-0.1	98	0.00	2.44
32	T	3-CHLOROPROPENE	0.586	0.523	10.8	85	0.00	2.48
33	T	FREON 113	1.885	2.131	-13.1	107	0.00	2.54
34	T	TRANS-1,2-DICHLOROETHENE	1.350	1.265	6.3	90	0.00	2.77
35	T	TERTIARY BUTYL ALCOHOL	3.233	3.068	5.1	90	0.01	2.44
36	t	METHYL TERTIARY BUTYL ETH	4.015	3.315	17.4	79	0.00	2.88
37	T	TETRAHYDROFURAN	0.708	0.581	17.9	78	0.00	3.57
38	T	HEXANE	2.791	2.321	16.8	78	0.00	3.34
39	T	VINYL ACETATE	0.355	0.338	4.8	93	0.00	2.92
40	T	1,1-DICHLOROETHANE	2.777	2.287	17.6	77	0.00	2.84
41	T	METHYL ETHYL KETONE	0.754	0.612	18.8	78	0.00	3.01
42	T	CIS-1,2-DICHLOROETHENE	1.462	1.341	8.3	88	0.00	3.21

Continuing Calibration Summary

Job Number: JD91960 **Sample:** V7W236-CC201
Account: PSSNJW Paulus, Sokolowski and Sartor Inc **Lab FileID:** 7W06242.D
Project: Edge on Hudson, Sleepy Hollow, NY

43	T	DIISOPROPYL ETHER	0.833	0.674	19.1	77	0.00	3.34
44	T	ETHYL ACETATE	0.492	0.435	11.6	80	0.00	3.35
45	T	METHYL ACRYLATE	3.402	2.884	15.2	79	0.00	3.33
46	T	CHLOROFORM	2.809	2.486	11.5	84	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	3.363	2.771	17.6	78	0.00	3.85
48	T	1,1,1-TRICHLOROETHANE	2.539	2.545	-0.2	94	0.00	3.93
49	T	CARBON TETRACHLORIDE	2.294	2.713	-18.3	109	0.00	4.35
50	T	1,2-DICHLOROETHANE	2.195	1.760	19.8	76	0.00	3.76
51	t	BENZENE	4.477	3.719	16.9	80	0.00	4.24
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	88	0.00	4.57
53	T	CYCLOHEXANE	0.382	0.351	8.1	80	0.00	4.45
54	T	2,3-DIMETHYLPENTANE	0.203	0.179	11.8	77	0.00	4.71
55	T	TRICHLOROETHENE	0.370	0.372	-0.5	88	0.00	5.14
56	T	1,2-DICHLOROPROPANE	0.364	0.321	11.8	77	0.00	4.91
57	T	DIBROMOMETHANE	0.337	0.363	-7.7	99	0.00	4.87
58	T	ETHYL ACRYLATE	0.822	0.769	6.4	80	0.00	5.03
59	T	BROMODICHLOROMETHANE	0.519	0.552	-6.4	85	0.00	5.08
60	T	2,2,4-TRIMETHYLPENTANE	1.779	1.634	8.2	81	0.00	5.23
61	T	1,4-DIOXANE	0.212	0.223	-5.2	92	0.02	5.18
62	T	HEPTANE	0.630	0.592	6.0	81	0.00	5.55
63	T	METHYL METHACRYLATE	0.338	0.303	10.4	79	0.00	5.45
64	T	METHYL ISOBUTYL KETONE	0.372	0.346	7.0	81	0.00	6.20
65	T	CIS-1,3-DICHLOROPROPENE	0.438	0.423	3.4	81	0.00	6.07
66	T	TOLUENE	1.050	1.009	3.9	85	0.00	7.28
67	T	1,3-DICHLOROPROPANE	0.528	0.470	11.0	77	0.00	7.34
68	T	TRANS-1,3-DICHLOROPROPENE	0.387	0.372	3.9	83	0.00	6.75
69	T	1,1,2-TRICHLOROETHANE	0.303	0.278	8.3	80	0.00	6.91
70	T	2-HEXANONE	0.618	0.691	-11.8	109	0.02	7.89
71	T	ETHYL METHACRYLATE	0.538	0.512	4.8	80	0.00	7.99
72	T	TETRACHLOROETHENE	0.395	0.445	-12.7	99	0.00	9.01
73	T	DIBROMOCHLOROMETHANE	0.470	0.621	-32.1#	112	0.00	7.81
74	T	1,2-DIBROMOETHANE	0.521	0.563	-8.1	89	0.00	8.15
75	T	OCTANE	0.882	0.826	6.3	81	0.00	9.16
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	89	0.00	10.14
77	T	1,1,1,2-TETRACHLOROETHANE	0.386	0.514	-33.2#	113	0.00	10.23
78	T	CHLOROBENZENE	0.929	0.956	-2.9	92	0.00	10.21
79	t	ETHYLBENZENE	1.499	1.424	5.0	85	0.00	11.09
80	t	M,P-XYLENE	1.160	1.100	5.2	84	0.00	11.53
81	t	O-XYLENE	1.180	1.124	4.7	84	0.00	12.45
82	T	STYRENE	0.872	0.886	-1.6	85	0.00	12.24
83	T	NONANE	0.990	0.912	7.9	81	0.00	13.58
84	T	BROMOFORM	0.433	0.611	-41.1#	126	0.00	11.33
85	T	1,1,2,2-TETRACHLOROETHANE	0.851	0.773	9.2	79	0.00	12.47
86	T	1,2,3-TRICHLOROPROPANE	0.682	0.604	11.4	76	0.00	12.76
87	S	4-BROMOFLUOROBENZENE	0.750	0.690	8.0	82	0.00	13.50
88	T	ISOPROPYLBENZENE	0.449	0.488	-8.7	95	0.00	13.97
89	T	BROMOBENZENE	0.863	0.771	10.7	78	0.00	13.84
90	T	2-CHLOROTOLUENE	0.414	0.461	-11.4	99	0.00	14.97
91	T	N-PROPYLBENZENE	0.466	0.506	-8.6	95	0.00	15.31
92	T	4-ETHYLTOLUENE	1.661	1.709	-2.9	87	0.00	15.76
93	T	1,3,5-TRIMETHYLBENZENE	1.395	1.420	-1.8	87	0.00	16.01
94	T	ALPHA-METHYLSTYRENE	0.619	0.599	3.2	80	0.00	16.28
95	T	TERT-BUTYLBENZENE	0.350	0.377	-7.7	95	0.00	16.58
96	T	1,2,4-TRIMETHYLBENZENE	1.416	1.441	-1.8	86	0.00	16.59
97	T	BENZYL CHLORIDE	0.755	0.710	6.0	82	0.00	16.68
98	T	M-DICHLOROBENZENE	0.944	1.014	-7.4	94	0.00	16.65
99	T	P-DICHLOROBENZENE	0.948	1.031	-8.8	95	0.00	16.74
100	T	O-DICHLOROBENZENE	0.906	0.958	-5.7	93	0.00	17.05

Continuing Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W236-CC201
Lab FileID: 7W06242.D

101	T	SEC-BUTYLBENZENE	0.428	0.465	-8.6	96	0.00	16.88
102	T	1,2,3-TRIMETHYLBENZENE	1.434	1.422	0.8	85	0.00	17.00
103	T	P-ISOPROPYLTOLUENE	0.468	0.507	-8.3	96	0.00	17.07
104	T	N-BUTYLBENZENE	0.448	0.477	-6.5	93	0.00	17.43
105	T	HEXACHLOROETHANE	0.360	0.482	-33.9#	118	0.00	17.61
106	T	HEXACHLOROBUTADIENE	0.625	0.587	6.1	86	0.00	18.66
107	T	1,2,4-TRICHLOROBENZENE	0.840	0.674	19.8	74	0.00	18.35
108	T	NAPHTHALENE	2.104	1.436	31.7#	65	0.00	18.40
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	95	0.00	3.28
110		TVHC as equiv Pentane	7.666	8.930	-16.5	118	0.00	2.32

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w05128.D M7W0201.M Sat Apr 20 12:46:18 2024

Initial Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W244-ICC244
Lab FileID: 8W06387.D

Response Factor Report GCMS

Method : C:\msdchem\1\methods\m8w0244.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

Calibration Files
0.04=8w06380.D 0.1 =8w06381.D 0.2 =8w06382.D 0.5 =8w06400.D
5 =8w06386.D 10 =8w06387.D 20 =8w06388.D 40 =8w06389.D
50 =8w06390.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115	0.498	0.441	0.326	0.490	0.600	0.329	0.241			0.418	29.76
3) FREON 152A	0.488	0.559	0.542	0.474	0.558	0.597	0.558	0.515	0.465	0.529	8.54
4) CHLORODIFLUOROMETHANE	0.251	0.359	0.334	0.279	0.335	0.354	0.335	0.310	0.288	0.316	11.59
5) CHLOROTRIFLUOROETHENE	0.929	1.185	1.238	1.112	1.316	1.388	1.230	1.105	1.010	1.168	12.44
6) DICHLORODIFLUOROMETHANE	2.142	2.590	2.546	2.361	2.625	2.813	2.578	2.380	2.216	2.472	8.65
7) PROPYLENE	0.934	0.879	0.766	0.586	0.645	0.685	0.595	0.494	0.441	0.669	24.75
8) 1-CHLORO-1,1-DIFLUOROETHANE	1.366	1.825	1.864	1.606	1.850	1.982	1.833	1.689	1.572	1.732	11.00
9) FREON 114	1.400	1.767	1.590	1.593	1.649	1.768	1.639	1.540	1.449	1.599	7.85
10) CHLOROMETHANE	0.092	0.137	0.108	0.130	0.140	0.127	0.120	0.112		0.121	13.51
11) VINYL CHLORIDE	0.347	0.514	0.534	0.458	0.556	0.587	0.561	0.536	0.512	0.512	14.05
12) 1,3-BUTADIENE	0.310	0.430	0.343	0.317	0.383	0.415	0.383	0.365	0.343	0.365	11.32
13) N-BUTANE	0.370	0.281	0.269	0.221	0.274	0.285	0.263	0.245	0.229	0.271	16.00
14) BROMOMETHANE	0.399	0.556	0.582	0.496	0.563	0.608	0.573	0.555	0.535	0.541	11.39
15) CHLOROETHANE	0.284	0.296	0.316	0.246	0.290	0.309	0.296	0.283	0.271	0.288	7.18
16) DICHLOROFLUOROMETHANE	1.199	1.401	1.353	1.241	1.477	1.594	1.476	1.393	1.305	1.382	8.99
17) ACETONITRILE	0.566	0.494	0.399	0.322	0.362	0.404	0.372	0.352	0.329	0.400	20.13
18) ACROLEIN	0.118	0.094	0.173	0.223	0.243	0.227	0.221	0.209		0.188	29.26
19) FREON 123	1.064	1.354	1.422	1.240	1.494	1.598	1.480	1.407	1.328	1.376	11.36
20) FREON 123A	0.701	1.140	1.041	0.879	1.040	1.131	1.057	1.011	0.964	0.996	13.69
21) TRICHLOROFLUOROMETHANE	2.000	2.552	2.473	2.185	2.559	2.726	2.515	2.340	2.186	2.393	9.67
22) ISOPROPYL ALCOHOL	1.294	1.236	1.088	0.874	1.024	1.101	1.031	0.970	0.913	1.059	13.11
23) ACETONE											

			0.484	0.269	0.270	0.292	0.271	0.249	0.234	0.296	28.77
24)	PENTANE											
		0.530	0.461	0.511	0.374	0.449	0.482	0.449	0.420	0.394	0.452	11.31
25)	IODOMETHANE											
		1.281	1.572	1.601	1.401	1.688	1.841	1.751	1.711	1.659	1.612	10.87
26)	1,1-DICHLOROETHYLENE											
		0.455	0.605	0.547	0.530	0.608	0.665	0.624	0.602	0.572	0.579	10.64
27)	CARBON DISULFIDE											
		1.055	1.207	1.251	1.155	1.430	1.567	1.478	1.421	1.349	1.324	12.64
28)	ETHANOL											
					0.229	0.229	0.255	0.228	0.215	0.203	0.226	7.62
29)	BROMOETHENE											
		0.420	0.547	0.557	0.503	0.607	0.664	0.618	0.603	0.579	0.566	12.72
30)	ACRYLONITRILE											
				0.877	0.292	0.345	0.372	0.352	0.337	0.317	0.413	49.89
31)	METHYLENE CHLORIDE											
			0.743	0.608	0.458	0.519	0.560	0.527	0.508	0.487	0.551	16.28
32)	3-CHLOROPROPENE											
		0.318	0.313	0.313	0.208	0.266	0.286	0.274	0.268	0.257	0.278	12.55
33)	FREON 113											
		0.899	1.200	1.174	1.134	1.273	1.382	1.317	1.273	1.220	1.208	11.45
34)	TRANS-1,2-DICHLOROETHENE											
		0.723	0.852	0.936	0.800	0.939	1.025	0.932	0.866	0.816	0.877	10.37
35)	TERTIARY BUTYL ALCOHOL											
		0.917	1.178	1.130	1.039	1.232	1.345	1.283	1.234	1.185	1.171	11.07
36)	METHYL TERTIARY BUTYL ETHER											
		1.718	2.225	2.195	2.051	2.549	2.760	2.620	2.502	2.394	2.335	13.81
37)	TETRAHYDROFURAN											
			0.355	0.319	0.312	0.400	0.433	0.395	0.376	0.361	0.369	11.16
38)	HEXANE											
		0.999	1.333	1.300	1.226	1.488	1.529	1.313	1.118	1.024	1.259	14.83
39)	VINYL ACETATE											
			0.215	0.204	0.179	0.211	0.231	0.217	0.213	0.206	0.209	7.03
40)	1,1-DICHLOROETHANE											
		1.218	1.603	1.622	1.429	1.763	1.893	1.735	1.615	1.514	1.599	12.39
41)	METHYL ETHYL KETONE											
		0.262	0.343	0.376	0.342	0.415	0.445	0.405	0.388	0.371	0.372	14.26
42)	CIS-1,2-DICHLOROETHENE											
		0.695	0.917	0.911	0.798	0.940	1.017	0.935	0.881	0.835	0.881	10.68
43)	DIISOPROPYL ETHER											
		2.339	2.931	3.098	2.720	3.261	3.287	2.801	2.287	2.065	2.754	16.03
44)	ETHYL ACETATE											
		0.204	0.288	0.296	0.242	0.291	0.292	0.252	0.217	0.199	0.254	15.73
45)	METHYL ACRYLATE											
		1.253	1.796	1.678	1.573	1.872	1.918	1.693	1.469	1.348	1.622	14.21
46)	CHLOROFORM											
		1.766	2.155	2.169	1.897	2.183	2.313	2.106	1.937	1.815	2.038	9.27
47)	2,4-DIMETHYLPENTANE											
		1.339	1.533	1.579	1.417	1.792	1.910	1.742	1.591	1.483	1.598	11.56
48)	1,1,1-TRICHLOROETHANE											
		1.790	2.013	2.096	1.985	2.472	2.728	2.563	2.461	2.310	2.269	13.78
49)	CARBON TETRACHLORIDE											
		1.175	1.771	1.874	1.953	2.585	2.908	2.761	2.673	2.539	2.249	25.75
50)	1,2-DICHLOROETHANE											
		1.351	1.771	1.666	1.488	1.782	1.921	1.780	1.680	1.575	1.668	10.43
51)	BENZENE											
		2.661	2.606	2.529	2.181	2.514	2.697	2.482	2.330	2.206	2.467	7.65
52)	I 1,4-DIFLUOROBENZENE	----------	ISTD	----------								
53)	CYCLOHEXANE											

		0.142	0.194	0.214	0.189	0.241	0.254	0.236	0.223	0.212	0.212	16.00
54)	2,3-DIMETHYLPENTANE											
		0.080	0.117	0.112	0.100	0.119	0.123	0.114	0.107	0.102	0.108	12.21
55)	TRICHLOROETHENE											
		0.214	0.294	0.275	0.256	0.296	0.308	0.282	0.264	0.248	0.271	10.68
56)	1,2-DICHLOROPROPANE											
		0.179	0.197	0.204	0.187	0.219	0.227	0.208	0.194	0.184	0.200	8.12
57)	DIBROMOMETHANE											
		0.320	0.328	0.314	0.228	0.266	0.278	0.255	0.245	0.235	0.274	13.86
58)	ETHYL ACRYLATE											
		0.260	0.375	0.377	0.366	0.500	0.535	0.493	0.464	0.436	0.423	20.37
59)	BROMODICHLOROMETHANE											
		0.320	0.401	0.388	0.415	0.490	0.532	0.504	0.488	0.462	0.444	15.31
60)	2,2,4-TRIMETHYLPENTANE											
		0.691	0.880	0.899	0.838	1.020	1.043	0.943	0.863	0.805	0.887	12.19
61)	1,4-DIOXANE											
		0.066	0.131	0.117	0.116	0.139	0.144	0.130	0.121	0.114	0.120	18.88
62)	HEPTANE											
		0.142	0.149	0.169	0.157	0.197	0.203	0.186	0.172	0.159	0.171	12.37
63)	METHYL METHACRYLATE											
		0.113	0.157	0.160	0.159	0.198	0.212	0.196	0.186	0.177	0.173	17.20
64)	METHYL ISOBUTYL KETONE											
		0.104	0.156	0.152	0.149	0.200	0.208	0.192	0.181	0.169	0.168	19.13
65)	CIS-1,3-DICHLOROPROPENE											
		0.172	0.254	0.247	0.239	0.334	0.367	0.354	0.348	0.331	0.294	22.99
66)	TOLUENE											
		0.502	0.626	0.572	0.539	0.698	0.745	0.688	0.653	0.617	0.627	12.61
67)	1,3-DICHLOROPROPANE											
		0.268	0.328	0.333	0.297	0.370	0.379	0.352	0.333	0.314	0.331	10.55
68)	TRANS-1,3-DICHLOROPROPENE											
		0.178	0.203	0.188	0.310	0.349	0.339	0.345	0.329	0.280	27.16	
69)	1,1,2-TRICHLOROETHANE											
		0.150	0.191	0.205	0.171	0.210	0.217	0.200	0.187	0.178	0.190	11.18
70)	2-HEXANONE											
		0.131	0.198	0.188	0.174	0.263	0.285	0.261	0.243	0.228	0.219	22.73
71)	ETHYL METHACRYLATE											
		0.196	0.235	0.246	0.241	0.354	0.376	0.347	0.332	0.315	0.294	21.96
72)	TETRACHLOROETHENE											
		0.287	0.371	0.322	0.273	0.314	0.325	0.300	0.290	0.276	0.307	10.07
73)	DIBROMOCHLOROMETHANE											
		0.260	0.314	0.309	0.378	0.479	0.482	0.461	0.462	0.442	0.399	21.40
74)	1,2-DIBROMOETHANE											
		0.253	0.367	0.365	0.320	0.400	0.417	0.388	0.369	0.349	0.359	13.59
75)	OCTANE											
		0.120	0.134	0.149	0.156	0.226	0.238	0.222	0.209	0.198	0.184	23.96
76)	I CHLOROBENZENE-D5	----------ISTD----------										
77)	1,1,1,2-TETRACHLOROETHANE											
		0.261	0.337	0.344	0.315	0.382	0.397	0.376	0.358	0.342	0.346	11.74
78)	CHLOROBENZENE											
		0.551	0.643	0.626	0.554	0.647	0.665	0.616	0.577	0.548	0.603	7.62
79)	ETHYLBENZENE											
		0.798	0.918	0.841	0.785	1.080	1.144	1.073	1.017	0.964	0.958	13.66
80)	M,P-XYLENE											
		0.675	0.693	0.713	0.688	0.898	0.935	0.872	0.833	0.791	0.789	12.70
81)	O-XYLENE											
		0.585	0.687	0.722	0.669	0.907	0.931	0.860	0.807	0.767	0.771	15.06
82)	STYRENE											
		0.318	0.422	0.440	0.405	0.604	0.655	0.610	0.574	0.552	0.509	22.63
83)	NONANE											

Initial Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W244-ICC244
Lab FileID: 8W06387.D

```
          0.130 0.172 0.172 0.159 0.192 0.201 0.186 0.178 0.169   0.173   11.92
 84)  BROMOFORM
                      0.171 0.357 0.507 0.542 0.480 0.459 0.447   0.423   29.61
 85)  1,1,2,2-TETRACHLOROETHANE
          0.452 0.545 0.532 0.482 0.567 0.577 0.527 0.484 0.459   0.514    8.95
 86)  1,2,3-TRICHLOROPROPANE
          0.402 0.453 0.473 0.418 0.509 0.530 0.489 0.467 0.444   0.465    8.85
 87)  4-BROMOFLUOROBENZENE
          0.828 0.844 0.842 0.822 0.836 0.835 0.848 0.845 0.844   0.838    1.04
 88)  ISOPROPYLBENZENE
          0.237 0.253 0.254 0.242 0.318 0.328 0.305 0.289 0.274   0.278   12.21
 89)  BROMOBENZENE
          0.468 0.570 0.592 0.524 0.640 0.669 0.624 0.596 0.565   0.583   10.47
 90)  2-CHLOROTOLUENE
          0.177 0.236 0.241 0.223 0.297 0.315 0.294 0.282 0.268   0.259   16.85
 91)  N-PROPYLBENZENE
          0.157 0.219 0.243 0.241 0.329 0.346 0.319 0.302 0.286   0.271   22.49
 92)  4-ETHYLTOLUENE
          0.690 0.886 0.934 0.926 1.282 1.336 1.222 1.135 1.079   1.054   20.08
 93)  1,3,5-TRIMETHYLBENZENE
          0.595 0.761 0.829 0.847 1.110 1.136 1.031 0.981 0.925   0.913   19.10
 94)  ALPHA-METHYLSTYRENE
          0.260 0.375 0.388 0.355 0.506 0.530 0.486 0.455 0.435   0.421   20.23
 95)  TERT-BUTYLBENZENE
          0.109 0.175 0.194 0.197 0.224 0.220 0.200 0.191 0.185   0.188   17.79
 96)  1,2,4-TRIMETHYLBENZENE
          0.621 0.817 0.890 0.897 1.090 1.091 0.985 0.917 0.861   0.908   15.87
 97)  BENZYL CHLORIDE
                      0.333 0.271 0.545 0.733 0.786 0.825 0.782   0.611   37.67
 98)  M-DICHLOROBENZENE
          0.513 0.683 0.693 0.602 0.704 0.715 0.660 0.623 0.599   0.644   10.18
 99)  P-DICHLOROBENZENE
          0.548 0.648 0.655 0.580 0.681 0.703 0.643 0.610 0.581   0.628    8.15
100)  O-DICHLOROBENZENE
          0.521 0.645 0.654 0.600 0.630 0.658 0.600 0.571 0.554   0.604    7.93
101)  SEC-BUTYLBENZENE
          0.147 0.248 0.234 0.239 0.285 0.287 0.261 0.248 0.238   0.243   16.86
102)  1,2,3-TRIMETHYLBENZENE
          0.693 0.894 0.951 0.908 1.087 1.114 1.029 0.969 0.918   0.952   13.09
103)  P-ISOPROPYLTOLUENE
          0.148 0.283 0.284 0.283 0.303 0.307 0.279 0.269 0.258   0.268   17.68
104)  N-BUTYLBENZENE
          0.191 0.265 0.254 0.250 0.296 0.307 0.283 0.271 0.265   0.265   12.64
105)  HEXACHLOROETHANE
                0.212 0.250 0.284 0.394 0.421 0.395 0.365 0.348   0.334   22.74
106)  HEXACHLOROBUTADIENE
          0.687 0.714 0.666 0.653 0.651 0.656 0.620 0.667 0.679   0.666    3.96
107)  1,2,4-TRICHLOROBENZENE
          0.578 0.633 0.620 0.481 0.592 0.689 0.665 0.700 0.701   0.629   11.38
108)  NAPHTHALENE
          0.814 1.046 1.047 0.796 1.085 1.413 1.377 1.348 1.307   1.137   20.79

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
                      2.562 2.200 2.457 2.613 2.324 2.172 2.147   2.353    8.17
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          m8w0244.M         Tue Jul 23 17:40:10 2024
```

Initial Calibration Verification

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W244-ICV244
Lab FileID: 8W06402.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\8w\8w06402.D Vial: 5
Acq On : 23 Jul 2024 04:47 pm Operator: thomash
Sample : icv244-10 Inst : GCMS
Misc : MS83034,v8w0244,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m8w0244.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Tue Jul 23 15:48:36 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	103	0.00	3.46
2	T	FREON 115	0.418	0.642	-53.6#	201#	0.00	1.70
3	T	FREON 152A	0.529	0.560	-5.9	97	0.00	1.73
4	T	CHLORODIFLUOROMETHANE	0.316	0.349	-10.4	101	0.00	1.74
5	T	CHLOROTRIFLUOROETHENE	1.168	1.281	-9.7	95	0.00	1.75
6	T	DICHLORODIFLUOROMETHANE	2.472	2.677	-8.3	98	0.00	1.77
7	T	PROPYLENE	0.669	0.634	5.2	95	0.00	1.75
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.732	1.878	-8.4	98	0.00	1.81
9	T	FREON 114	1.599	1.828	-14.3	107	0.00	1.84
10	T	CHLOROMETHANE	0.121	0.131	-8.3	96	0.00	1.81
11	T	VINYL CHLORIDE	0.512	0.553	-8.0	97	0.00	1.88
12	t	1,3-BUTADIENE	0.365	0.386	-5.8	96	0.00	1.92
13	T	N-BUTANE	0.271	0.272	-0.4	98	0.00	1.94
14	T	BROMOMETHANE	0.541	0.579	-7.0	98	0.00	2.00
15	T	CHLOROETHANE	0.288	0.293	-1.7	98	0.00	2.05
16	T	DICHLOROFLUOROMETHANE	1.382	1.533	-10.9	99	0.00	2.08
17	T	ACETONITRILE	0.400	0.393	1.8	100	0.00	2.14
18	T	ACROLEIN	0.188	0.240	-27.7	102	0.00	2.19
19	T	FREON 123	1.376	1.462	-6.3	94	0.00	2.20
20	T	FREON 123A	0.996	0.976	2.0	89	0.00	2.22
21	T	TRICHLOROFLUOROMETHANE	2.393	2.614	-9.2	99	0.00	2.29
22	T	ISOPROPYL ALCOHOL	1.059	1.046	1.2	98	0.00	2.31
23	T	ACETONE	0.296	0.275	7.1	97	0.00	2.23
24	T	PENTANE	0.452	0.449	0.7	96	0.00	2.40
25	T	IODOMETHANE	1.612	1.750	-8.6	98	0.00	2.47
26	T	1,1-DICHLOROETHYLENE	0.579	0.624	-7.8	97	0.00	2.50
27	T	CARBON DISULFIDE	1.324	1.582	-19.5	104	0.00	2.64
28	T	ETHANOL	0.226	0.213	5.8	86	0.00	2.08
29	T	BROMOETHENE	0.566	0.614	-8.5	95	0.00	2.15
30	T	ACRYLONITRILE	0.413	0.354	14.3	98	0.00	2.37
31	T	METHYLENE CHLORIDE	0.551	0.542	1.6	100	0.00	2.53
32	T	3-CHLOROPROPENE	0.278	0.269	3.2	97	0.00	2.58
33	T	FREON 113	1.208	1.360	-12.6	101	0.00	2.64
34	T	TRANS-1,2-DICHLOROETHENE	0.877	0.981	-11.9	99	0.00	2.89
35	T	TERTIARY BUTYL ALCOHOL	1.171	1.372	-17.2	105	0.00	2.51
36	t	METHYL TERTIARY BUTYL ETH	2.335	2.597	-11.2	97	0.00	3.01
37	T	TETRAHYDROFURAN	0.369	0.412	-11.7	98	0.00	3.77
38	T	HEXANE	1.259	1.406	-11.7	95	0.00	3.51
39	T	VINYL ACETATE	0.209	0.229	-9.6	102	0.00	3.05
40	T	1,1-DICHLOROETHANE	1.599	1.766	-10.4	96	0.00	2.97
41	T	METHYL ETHYL KETONE	0.372	0.413	-11.0	96	0.00	3.15
42	T	CIS-1,2-DICHLOROETHENE	0.881	0.964	-9.4	98	0.00	3.37

Initial Calibration Verification

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W244-ICV244
Lab FileID: 8W06402.D

43	T	DIISOPROPYL ETHER	2.754	3.064	-11.3	96	0.00	3.52
44	T	ETHYL ACETATE	0.254	0.267	-5.1	94	0.00	3.53
45	T	METHYL ACRYLATE	1.622	1.817	-12.0	98	0.00	3.51
46	T	CHLOROFORM	2.038	2.235	-9.7	100	0.00	3.54
47	T	2,4-DIMETHYLPENTANE	1.598	1.782	-11.5	96	0.00	4.07
48	T	1,1,1-TRICHLOROETHANE	2.269	2.614	-15.2	99	0.00	4.16
49	T	CARBON TETRACHLORIDE	2.249	2.836	-26.1	100	0.00	4.62
50	T	1,2-DICHLOROETHANE	1.668	1.820	-9.1	98	0.00	3.98
51	t	BENZENE	2.467	2.519	-2.1	96	0.00	4.50
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	102	0.00	4.85
53	T	CYCLOHEXANE	0.212	0.239	-12.7	96	0.00	4.73
54	T	2,3-DIMETHYLPENTANE	0.108	0.115	-6.5	96	0.00	5.00
55	T	TRICHLOROETHENE	0.271	0.291	-7.4	96	0.00	5.46
56	T	1,2-DICHLOROPROPANE	0.200	0.217	-8.5	98	0.00	5.21
57	T	DIBROMOMETHANE	0.274	0.267	2.6	98	0.00	5.17
58	T	ETHYL ACRYLATE	0.423	0.510	-20.6	97	0.00	5.34
59	T	BROMODICHLOROMETHANE	0.444	0.520	-17.1	100	0.00	5.41
60	T	2,2,4-TRIMETHYLPENTANE	0.887	0.978	-10.3	96	0.00	5.57
61	T	1,4-DIOXANE	0.120	0.136	-13.3	96	0.00	5.48
62	T	HEPTANE	0.171	0.191	-11.7	96	0.00	5.90
63	T	METHYL METHACRYLATE	0.173	0.201	-16.2	97	0.00	5.79
64	T	METHYL ISOBUTYL KETONE	0.168	0.194	-15.5	95	0.00	6.57
65	T	CIS-1,3-DICHLOROPROPENE	0.294	0.332	-12.9	92	0.00	6.46
66	T	TOLUENE	0.627	0.700	-11.6	96	0.00	7.73
67	T	1,3-DICHLOROPROPANE	0.331	0.361	-9.1	97	0.00	7.79
68	T	TRANS-1,3-DICHLOROPROPENE	0.280	0.334	-19.3	98	0.00	7.18
69	T	1,1,2-TRICHLOROETHANE	0.190	0.209	-10.0	98	0.00	7.34
70	T	2-HEXANONE	0.219	0.265	-21.0	95	0.00	8.32
71	T	ETHYL METHACRYLATE	0.294	0.356	-21.1	97	0.00	8.46
72	T	TETRACHLOROETHENE	0.307	0.309	-0.7	97	0.00	9.53
73	T	DIBROMOCHLOROMETHANE	0.399	0.484	-21.3	103	0.00	8.29
74	T	1,2-DIBROMOETHANE	0.359	0.400	-11.4	98	0.00	8.64
75	T	OCTANE	0.184	0.226	-22.8	97	0.00	9.68
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	103	0.00	10.70
77	T	1,1,1,2-TETRACHLOROETHANE	0.346	0.382	-10.4	99	0.00	10.78
78	T	CHLOROBENZENE	0.603	0.628	-4.1	97	0.00	10.77
79	t	ETHYLBENZENE	0.958	1.081	-12.8	97	0.00	11.67
80	t	M,P-XYLENE	0.789	0.882	-11.8	97	0.00	12.11
81	t	O-XYLENE	0.771	0.872	-13.1	97	0.00	13.07
82	T	STYRENE	0.509	0.608	-19.4	96	0.00	12.85
83	T	NONANE	0.173	0.188	-8.7	97	0.00	14.20
84	T	BROMOFORM	0.423	0.532	-25.8	101	0.00	11.93
85	T	1,1,2,2-TETRACHLOROETHANE	0.514	0.539	-4.9	96	0.00	13.07
86	T	1,2,3-TRICHLOROPROPANE	0.465	0.504	-8.4	98	0.00	13.36
87	S	4-BROMOFLUOROBENZENE	0.838	0.841	-0.4	104	0.00	14.12
88	T	ISOPROPYLBENZENE	0.278	0.313	-12.6	98	0.00	14.60
89	T	BROMOBENZENE	0.583	0.636	-9.1	98	0.00	14.48
90	T	2-CHLOROTOLUENE	0.259	0.299	-15.4	98	0.00	15.62
91	T	N-PROPYLBENZENE	0.271	0.326	-20.3	97	0.00	15.95
92	T	4-ETHYLTOLUENE	1.054	1.241	-17.7	96	0.00	16.25
93	T	1,3,5-TRIMETHYLBENZENE	0.913	1.063	-16.4	96	0.00	16.38
94	T	ALPHA-METHYLSTYRENE	0.421	0.518	-23.0	101	0.00	16.57
95	T	TERT-BUTYLBENZENE	0.188	0.210	-11.7	98	0.00	16.82
96	T	1,2,4-TRIMETHYLBENZENE	0.908	1.016	-11.9	96	0.00	16.82
97	T	BENZYL CHLORIDE	0.611	0.750	-22.7	105	0.00	16.91
98	T	M-DICHLOROBENZENE	0.644	0.674	-4.7	97	0.00	16.88
99	T	P-DICHLOROBENZENE	0.628	0.654	-4.1	96	0.00	16.96
100	T	O-DICHLOROBENZENE	0.604	0.610	-1.0	96	0.01	17.24

Initial Calibration Verification

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W244-ICV244
Lab FileID: 8W06402.D

101	T	SEC-BUTYLBENZENE	0.243	0.274	-12.8	98	0.01	17.08
102	T	1,2,3-TRIMETHYLBENZENE	0.952	1.048	-10.1	97	0.01	17.19
103	T	P-ISOPROPYLTOLUENE	0.268	0.293	-9.3	98	0.01	17.26
104	T	N-BUTYLBENZENE	0.265	0.285	-7.5	96	0.02	17.59
105	T	HEXACHLOROETHANE	0.334	0.400	-19.8	98	0.03	17.76
106	T	HEXACHLOROBUTADIENE	0.666	0.593	11.0	93	0.07	18.76
107	T	1,2,4-TRICHLOROBENZENE	0.629	0.624	0.8	93	0.05	18.46
108	T	NAPHTHALENE	1.137	1.363	-19.9	99	0.06	18.51
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	103	0.00	3.46
110		TVHC as equiv Pentane	2.353	2.353	0.0	93	0.00	2.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8w06387.D m8w0244.M Tue Jul 23 17:40:58 2024

Continuing Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W249-CC244
Lab FileID: 8W06489.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2024\V8W249\8w06489.D Vial: 1
Acq On : 30 Jul 2024 03:09 am Operator: benk
Sample : cc244-10 Inst : GCMS
Misc : MS82971,v8w0249,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m8w0244.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Tue Jul 23 15:48:36 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	130	0.00	3.46
2	T	FREON 115	0.418	1.000	-139.2#	395#	0.00	1.70
3	T	FREON 152A	0.529	0.510	3.6	111	0.00	1.73
4	T	CHLORODIFLUOROMETHANE	0.316	0.252	20.3	92	0.00	1.74
5	T	CHLOROTRIFLUOROETHENE	1.168	1.354	-15.9	127	0.00	1.75
6	T	DICHLORODIFLUOROMETHANE	2.472	2.268	8.3	105	0.00	1.77
7	T	PROPYLENE	0.669	0.580	13.3	110	0.00	1.75
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.732	1.472	15.0	96	0.00	1.81
9	T	FREON 114	1.599	1.540	3.7	113	0.00	1.84
10	T	CHLOROMETHANE	0.121	0.117	3.3	108	0.00	1.81
11	T	VINYL CHLORIDE	0.512	0.477	6.8	106	0.00	1.88
12	t	1,3-BUTADIENE	0.365	0.336	7.9	105	0.00	1.92
13	T	N-BUTANE	0.271	0.236	12.9	107	0.00	1.94
14	T	BROMOMETHANE	0.541	0.507	6.3	108	0.00	2.00
15	T	CHLOROETHANE	0.288	0.250	13.2	105	0.00	2.04
16	T	DICHLOROFLUOROMETHANE	1.382	1.233	10.8	100	0.00	2.08
17	T	ACETONITRILE	0.400	0.342	14.5	110	0.00	2.14
18	T	ACROLEIN	0.188	0.198	-5.3	106	0.00	2.19
19	T	FREON 123	1.376	1.290	6.2	105	0.00	2.20
20	T	FREON 123A	0.996	1.001	-0.5	115	0.00	2.22
21	T	TRICHLOROFLUOROMETHANE	2.393	2.173	9.2	104	0.00	2.29
22	T	ISOPROPYL ALCOHOL	1.059	0.922	12.9	109	0.00	2.31
23	T	ACETONE	0.296	0.235	20.6	104	0.00	2.23
24	T	PENTANE	0.452	0.410	9.3	111	0.00	2.40
25	T	IODOMETHANE	1.612	1.730	-7.3	122	0.00	2.47
26	T	1,1-DICHLOROETHYLENE	0.579	0.547	5.5	107	0.00	2.50
27	T	CARBON DISULFIDE	1.324	1.244	6.0	103	0.00	2.64
28	T	ETHANOL	0.226	0.213	5.8	109	0.00	2.08
29	T	BROMOETHENE	0.566	0.575	-1.6	112	0.00	2.15
30	T	ACRYLONITRILE	0.413	0.308	25.4	108	0.00	2.37
31	T	METHYLENE CHLORIDE	0.551	0.455	17.4	106	0.00	2.53
32	T	3-CHLOROPROPENE	0.278	0.233	16.2	105	0.00	2.58
33	T	FREON 113	1.208	1.262	-4.5	119	0.00	2.64
34	T	TRANS-1,2-DICHLOROETHENE	0.877	0.964	-9.9	122	0.00	2.89
35	T	TERTIARY BUTYL ALCOHOL	1.171	1.027	12.3	99	0.00	2.51
36	t	METHYL TERTIARY BUTYL ETH	2.335	2.242	4.0	106	0.00	3.01
37	T	TETRAHYDROFURAN	0.369	0.391	-6.0	117	0.00	3.77
38	T	HEXANE	1.259	1.278	-1.5	109	0.00	3.51
39	T	VINYL ACETATE	0.209	0.224	-7.2	126	0.00	3.05
40	T	1,1-DICHLOROETHANE	1.599	1.553	2.9	107	0.00	2.97
41	T	METHYL ETHYL KETONE	0.372	0.406	-9.1	118	0.00	3.15
42	T	CIS-1,2-DICHLOROETHENE	0.881	0.979	-11.1	125	0.00	3.37

Continuing Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W249-CC244
Lab FileID: 8W06489.D

43	T	DIISOPROPYL ETHER	2.754	2.808	-2.0	111	0.00	3.52
44	T	ETHYL ACETATE	0.254	0.254	0.0	113	0.00	3.53
45	T	METHYL ACRYLATE	1.622	1.626	-0.2	110	0.00	3.51
46	T	CHLOROFORM	2.038	1.932	5.2	109	0.00	3.54
47	T	2,4-DIMETHYLPENTANE	1.598	1.622	-1.5	110	0.00	4.08
48	T	1,1,1-TRICHLOROETHANE	2.269	2.177	4.1	104	0.00	4.16
49	T	CARBON TETRACHLORIDE	2.249	2.493	-10.8	111	0.00	4.62
50	T	1,2-DICHLOROETHANE	1.668	1.415	15.2	96	0.00	3.98
51	t	BENZENE	2.467	2.493	-1.1	120	0.00	4.50
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	122	0.00	4.85
53	T	CYCLOHEXANE	0.212	0.256	-20.8	123	0.00	4.73
54	T	2,3-DIMETHYLPENTANE	0.108	0.120	-11.1	120	0.00	5.00
55	T	TRICHLOROETHENE	0.271	0.297	-9.6	118	0.00	5.47
56	T	1,2-DICHLOROPROPANE	0.200	0.213	-6.5	115	0.00	5.22
57	T	DIBROMOMETHANE	0.274	0.314	-14.6	138	0.00	5.17
58	T	ETHYL ACRYLATE	0.423	0.475	-12.3	109	0.00	5.34
59	T	BROMODICHLOROMETHANE	0.444	0.475	-7.0	109	0.00	5.41
60	T	2,2,4-TRIMETHYLPENTANE	0.887	0.942	-6.2	110	0.00	5.57
61	T	1,4-DIOXANE	0.120	0.148	-23.3	126	0.00	5.48
62	T	HEPTANE	0.171	0.185	-8.2	111	0.00	5.90
63	T	METHYL METHACRYLATE	0.173	0.203	-17.3	117	0.00	5.79
64	T	METHYL ISOBUTYL KETONE	0.168	0.191	-13.7	112	0.00	6.57
65	T	CIS-1,3-DICHLOROPROPENE	0.294	0.343	-16.7	114	0.00	6.46
66	T	TOLUENE	0.627	0.754	-20.3	124	0.00	7.73
67	T	1,3-DICHLOROPROPANE	0.331	0.364	-10.0	117	0.00	7.79
68	T	TRANS-1,3-DICHLOROPROPENE	0.280	0.313	-11.8	110	0.00	7.18
69	T	1,1,2-TRICHLOROETHANE	0.190	0.217	-14.2	122	0.00	7.34
70	T	2-HEXANONE	0.219	0.257	-17.4	110	0.00	8.32
71	T	ETHYL METHACRYLATE	0.294	0.356	-21.1	116	0.00	8.46
72	T	TETRACHLOROETHENE	0.307	0.368	-19.9	138	0.00	9.53
73	T	DIBROMOCHLOROMETHANE	0.399	0.518	-29.8	131	0.00	8.29
74	T	1,2-DIBROMOETHANE	0.359	0.441	-22.8	129	0.00	8.65
75	T	OCTANE	0.184	0.236	-28.3	121	0.00	9.68
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	124	0.00	10.70
77	T	1,1,1,2-TETRACHLOROETHANE	0.346	0.425	-22.8	133	0.00	10.79
78	T	CHLOROBENZENE	0.603	0.726	-20.4	135	0.00	10.78
79	t	ETHYLBENZENE	0.958	1.113	-16.2	121	0.00	11.68
80	t	M,P-XYLENE	0.789	0.889	-12.7	118	0.00	12.11
81	t	O-XYLENE	0.771	0.890	-15.4	118	0.00	13.07
82	T	STYRENE	0.509	0.686	-34.8#	130	0.00	12.85
83	T	NONANE	0.173	0.200	-15.6	123	0.00	14.20
84	T	BROMOFORM	0.423	0.595	-40.7#	136	0.00	11.93
85	T	1,1,2,2-TETRACHLOROETHANE	0.514	0.582	-13.2	125	0.00	13.08
86	T	1,2,3-TRICHLOROPROPANE	0.465	0.485	-4.3	113	0.00	13.37
87	S	4-BROMOFLUOROBENZENE	0.838	0.719	14.2	107	0.00	14.12
88	T	ISOPROPYLBENZENE	0.278	0.371	-33.5#	140#	0.00	14.60
89	T	BROMOBENZENE	0.583	0.618	-6.0	114	0.00	14.48
90	T	2-CHLOROTOLUENE	0.259	0.360	-39.0#	141#	0.00	15.62
91	T	N-PROPYLBENZENE	0.271	0.384	-41.7#	137	0.00	15.95
92	T	4-ETHYLTOLUENE	1.054	1.351	-28.2	125	0.00	16.25
93	T	1,3,5-TRIMETHYLBENZENE	0.913	1.121	-22.8	122	0.00	16.39
94	T	ALPHA-METHYLSTYRENE	0.421	0.575	-36.6#	134	0.00	16.57
95	T	TERT-BUTYLBENZENE	0.188	0.248	-31.9#	139	0.00	16.82
96	T	1,2,4-TRIMETHYLBENZENE	0.908	1.062	-17.0	121	0.00	16.82
97	T	BENZYL CHLORIDE	0.611	0.668	-9.3	113	0.00	16.90
98	T	M-DICHLOROBENZENE	0.644	0.814	-26.4	141#	0.00	16.88
99	T	P-DICHLOROBENZENE	0.628	0.791	-26.0	139	0.00	16.96
100	T	O-DICHLOROBENZENE	0.604	0.729	-20.7	137	0.00	17.23

Continuing Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W249-CC244
Lab FileID: 8W06489.D

101	T	SEC-BUTYLBENZENE	0.243	0.330	-35.8#	142#	0.00	17.07
102	T	1,2,3-TRIMETHYLBENZENE	0.952	1.090	-14.5	121	0.00	17.18
103	T	P-ISOPROPYLTOLUENE	0.268	0.345	-28.7	139	0.00	17.24
104	T	N-BUTYLBENZENE	0.265	0.339	-27.9	137	0.00	17.57
105	T	HEXACHLOROETHANE	0.334	0.443	-32.6#	130	0.00	17.74
106	T	HEXACHLOROBUTADIENE	0.666	0.637	4.4	120	0.00	18.70
107	T	1,2,4-TRICHLOROBENZENE	0.629	0.661	-5.1	119	0.00	18.42
108	T	NAPHTHALENE	1.137	1.221	-7.4	107	0.00	18.46
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	130	0.00	3.46
110		TVHC as equiv Pentane	2.353	2.135	9.3	106	0.00	2.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0

8w06387.D m8w0244.M Wed Jul 31 04:31:00 2024

Continuing Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W250-CC244
Lab FileID: 8W06528.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...0124\v8w250\8w06528.D Vial: 1
Acq On : 31 Jul 2024 12:28 pm Operator: thomash
Sample : cc244-10 Inst : GCMS
Misc : MS82887,v8w0250,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m8w0244.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Tue Jul 23 15:48:36 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	133	0.00	3.46
2	T	FREON 115	0.418	0.658	-57.4#	267#	0.00	1.70
3	T	FREON 152A	0.529	0.468	11.5	105	0.00	1.72
4	T	CHLORODIFLUOROMETHANE	0.316	0.239	24.4	90	0.00	1.74
5	T	CHLOROTRIFLUOROETHENE	1.168	1.266	-8.4	122	0.00	1.75
6	T	DICHLORODIFLUOROMETHANE	2.472	2.182	11.7	104	0.00	1.77
7	T	PROPYLENE	0.669	0.520	22.3	101	0.00	1.75
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.732	1.414	18.4	95	0.00	1.81
9	T	FREON 114	1.599	1.474	7.8	111	0.00	1.84
10	T	CHLOROMETHANE	0.121	0.106	12.4	101	0.00	1.81
11	T	VINYL CHLORIDE	0.512	0.446	12.9	101	0.00	1.88
12	t	1,3-BUTADIENE	0.365	0.318	12.9	102	0.00	1.92
13	T	N-BUTANE	0.271	0.224	17.3	105	0.00	1.94
14	T	BROMOMETHANE	0.541	0.490	9.4	108	0.00	2.00
15	T	CHLOROETHANE	0.288	0.234	18.7	101	0.00	2.04
16	T	DICHLOROFLUOROMETHANE	1.382	1.175	15.0	98	0.00	2.08
17	T	ACETONITRILE	0.400	0.320	20.0	106	0.00	2.14
18	T	ACROLEIN	0.188	0.183	2.7	101	0.00	2.19
19	T	FREON 123	1.376	1.220	11.3	102	0.00	2.20
20	T	FREON 123A	0.996	0.952	4.4	112	0.00	2.22
21	T	TRICHLOROFLUOROMETHANE	2.393	2.100	12.2	103	0.00	2.29
22	T	ISOPROPYL ALCOHOL	1.059	0.878	17.1	106	0.00	2.30
23	T	ACETONE	0.296	0.223	24.7	102	0.00	2.23
24	T	PENTANE	0.452	0.384	15.0	106	0.00	2.40
25	T	IODOMETHANE	1.612	1.686	-4.6	122	0.00	2.47
26	T	1,1-DICHLOROETHYLENE	0.579	0.531	8.3	107	0.00	2.50
27	T	CARBON DISULFIDE	1.324	1.183	10.6	101	0.00	2.64
28	T	ETHANOL	0.226	0.203	10.2	106	0.00	2.08
29	T	BROMOETHENE	0.566	0.540	4.6	109	0.00	2.15
30	T	ACRYLONITRILE	0.413	0.291	29.5	105	0.00	2.37
31	T	METHYLENE CHLORIDE	0.551	0.437	20.7	104	0.00	2.53
32	T	3-CHLOROPROPENE	0.278	0.218	21.6	102	0.00	2.58
33	T	FREON 113	1.208	1.258	-4.1	122	0.00	2.64
34	T	TRANS-1,2-DICHLOROETHENE	0.877	0.899	-2.5	117	0.00	2.89
35	T	TERTIARY BUTYL ALCOHOL	1.171	1.004	14.3	100	0.00	2.51
36	t	METHYL TERTIARY BUTYL ETH	2.335	2.127	8.9	103	0.00	3.01
37	T	TETRAHYDROFURAN	0.369	0.357	3.3	110	0.00	3.77
38	T	HEXANE	1.259	1.172	6.9	102	0.00	3.51
39	T	VINYL ACETATE	0.209	0.210	-0.5	122	0.00	3.05
40	T	1,1-DICHLOROETHANE	1.599	1.435	10.3	101	0.00	2.97
41	T	METHYL ETHYL KETONE	0.372	0.372	0.0	112	0.00	3.15
42	T	CIS-1,2-DICHLOROETHENE	0.881	0.904	-2.6	119	0.00	3.37

Continuing Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W250-CC244
Lab FileID: 8W06528.D

43	T	DIISOPROPYL ETHER	2.754	2.561	7.0	104	0.00	3.52
44	T	ETHYL ACETATE	0.254	0.230	9.4	105	0.00	3.53
45	T	METHYL ACRYLATE	1.622	1.484	8.5	103	0.00	3.51
46	T	CHLOROFORM	2.038	1.818	10.8	105	0.00	3.54
47	T	2,4-DIMETHYLPENTANE	1.598	1.475	7.7	103	0.00	4.07
48	T	1,1,1-TRICHLOROETHANE	2.269	2.106	7.2	103	0.00	4.16
49	T	CARBON TETRACHLORIDE	2.249	2.416	-7.4	111	0.00	4.62
50	T	1,2-DICHLOROETHANE	1.668	1.362	18.3	95	0.00	3.98
51	t	BENZENE	2.467	2.261	8.4	112	0.00	4.50
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	127	0.00	4.85
53	T	CYCLOHEXANE	0.212	0.230	-8.5	115	0.00	4.73
54	T	2,3-DIMETHYLPENTANE	0.108	0.108	0.0	112	0.00	5.00
55	T	TRICHLOROETHENE	0.271	0.273	-0.7	113	0.00	5.46
56	T	1,2-DICHLOROPROPANE	0.200	0.192	4.0	108	0.00	5.21
57	T	DIBROMOMETHANE	0.274	0.304	-10.9	139	0.00	5.17
58	T	ETHYL ACRYLATE	0.423	0.433	-2.4	103	0.00	5.34
59	T	BROMODICHLOROMETHANE	0.444	0.447	-0.7	107	0.00	5.41
60	T	2,2,4-TRIMETHYLPENTANE	0.887	0.844	4.8	103	0.00	5.57
61	T	1,4-DIOXANE	0.120	0.132	-10.0	117	0.00	5.48
62	T	HEPTANE	0.171	0.166	2.9	105	0.00	5.90
63	T	METHYL METHACRYLATE	0.173	0.182	-5.2	109	0.00	5.79
64	T	METHYL ISOBUTYL KETONE	0.168	0.170	-1.2	104	0.00	6.57
65	T	CIS-1,3-DICHLOROPROPENE	0.294	0.314	-6.8	109	0.00	6.46
66	T	TOLUENE	0.627	0.682	-8.8	116	0.00	7.73
67	T	1,3-DICHLOROPROPANE	0.331	0.330	0.3	111	0.00	7.79
68	T	TRANS-1,3-DICHLOROPROPENE	0.280	0.289	-3.2	105	0.00	7.17
69	T	1,1,2-TRICHLOROETHANE	0.190	0.197	-3.7	115	0.00	7.34
70	T	2-HEXANONE	0.219	0.231	-5.5	103	0.00	8.32
71	T	ETHYL METHACRYLATE	0.294	0.318	-8.2	108	0.00	8.46
72	T	TETRACHLOROETHENE	0.307	0.352	-14.7	138	0.00	9.53
73	T	DIBROMOCHLOROMETHANE	0.399	0.500	-25.3	132	0.00	8.29
74	T	1,2-DIBROMOETHANE	0.359	0.399	-11.1	122	0.00	8.64
75	T	OCTANE	0.184	0.215	-16.8	115	0.00	9.68
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	128	0.00	10.70
77	T	1,1,1,2-TETRACHLOROETHANE	0.346	0.398	-15.0	129	0.00	10.78
78	T	CHLOROBENZENE	0.603	0.665	-10.3	128	0.00	10.77
79	t	ETHYLBENZENE	0.958	1.022	-6.7	114	0.00	11.67
80	t	M,P-XYLENE	0.789	0.823	-4.3	113	0.00	12.11
81	t	O-XYLENE	0.771	0.818	-6.1	113	0.00	13.07
82	T	STYRENE	0.509	0.630	-23.8	123	0.00	12.85
83	T	NONANE	0.173	0.182	-5.2	116	0.00	14.19
84	T	BROMOFORM	0.423	0.569	-34.5#	134	0.00	11.92
85	T	1,1,2,2-TETRACHLOROETHANE	0.514	0.517	-0.6	115	0.00	13.07
86	T	1,2,3-TRICHLOROPROPANE	0.465	0.448	3.7	108	0.00	13.36
87	S	4-BROMOFLUOROBENZENE	0.838	0.731	12.8	112	0.00	14.12
88	T	ISOPROPYLBENZENE	0.278	0.338	-21.6	132	0.00	14.60
89	T	BROMOBENZENE	0.583	0.562	3.6	108	0.00	14.48
90	T	2-CHLOROTOLUENE	0.259	0.331	-27.8	134	0.00	15.62
91	T	N-PROPYLBENZENE	0.271	0.357	-31.7#	132	0.00	15.95
92	T	4-ETHYLTOLUENE	1.054	1.250	-18.6	120	0.00	16.25
93	T	1,3,5-TRIMETHYLBENZENE	0.913	1.042	-14.1	117	0.00	16.38
94	T	ALPHA-METHYLSTYRENE	0.421	0.537	-27.6	130	0.00	16.57
95	T	TERT-BUTYLBENZENE	0.188	0.237	-26.1	138	0.00	16.82
96	T	1,2,4-TRIMETHYLBENZENE	0.908	0.986	-8.6	116	0.00	16.82
97	T	BENZYL CHLORIDE	0.611	0.618	-1.1	108	0.00	16.90
98	T	M-DICHLOROBENZENE	0.644	0.755	-17.2	135	0.00	16.88
99	T	P-DICHLOROBENZENE	0.628	0.736	-17.2	134	0.00	16.96
100	T	O-DICHLOROBENZENE	0.604	0.696	-15.2	135	0.00	17.24

Continuing Calibration Summary

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V8W250-CC244
Lab FileID: 8W06528.D

101	T	SEC-BUTYLBENZENE	0.243	0.308	-26.7	138	0.01	17.08
102	T	1,2,3-TRIMETHYLBENZENE	0.952	1.021	-7.2	117	0.01	17.19
103	T	P-ISOPROPYLTOLUENE	0.268	0.325	-21.3	136	0.01	17.26
104	T	N-BUTYLBENZENE	0.265	0.319	-20.4	133	0.02	17.58
105	T	HEXACHLOROETHANE	0.334	0.412	-23.4	125	0.02	17.76
106	T	HEXACHLOROBUTADIENE	0.666	0.671	-0.8	131	0.06	18.75
107	T	1,2,4-TRICHLOROBENZENE	0.629	0.679	-7.9	126	0.04	18.46
108	T	NAPHTHALENE	1.137	1.168	-2.7	106	0.05	18.51
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	133	0.00	3.46
110		TVHC as equiv Pentane	2.353	1.993	15.3	102	0.00	2.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
8w06387.D m8w0244.M Thu Aug 01 06:30:44 2024

Run Sequence Report

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V7W201	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W201-BFB	7W05122.D	03/03/24 01:33	n/a	BFB Tune
V7W201-IC0201	7W05123.D	03/03/24 02:06	n/a	Initial cal 0.04
V7W201-IC0201	7W05124.D	03/03/24 02:40	n/a	Initial cal 0.10
V7W201-IC0201	7W05125.D	03/03/24 03:15	n/a	Initial cal 0.20
V7W201-IC0201	7W05126.D	03/03/24 03:52	n/a	Initial cal 0.50
V7W201-IC0201	7W05127.D	03/03/24 04:26	n/a	Initial cal 5
V7W201-ICC0201	7W05128.D	03/03/24 05:02	n/a	Initial cal 10
V7W201-IC0201	7W05129.D	03/03/24 05:38	n/a	Initial cal 20
V7W201-IC0201	7W05130.D	03/03/24 06:19	n/a	Initial cal 40
V7W201-IC0201	7W05131.D	03/03/24 07:01	n/a	Initial cal 50
V7W201-ICV0201	7W05135.D	03/03/24 09:19	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V7W222	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W222-BFB	7W05811.D	03/30/24 10:39	n/a	BFB Tune
V7W222-CC201	7W05812.D	03/30/24 11:15	n/a	Continuing cal 10
V7W222-BS	7W05813.D	03/30/24 11:50	n/a	Blank Spike
V7W222-BSD	7W05814.D	03/30/24 12:25	n/a	Blank Spike Duplicate
V7W222-MB	7W05816.D	03/30/24 13:45	n/a	Method Blank
V7W222-SCC	7W05817.D	03/30/24 14:31	n/a	Summa Cleaning Certification
V7W222-SCC	7W05818.D	03/30/24 15:12	n/a	Summa Cleaning Certification
V7W222-SCC	7W05819.D	03/30/24 15:52	n/a	Summa Cleaning Certification
V7W222-SCC	7W05820.D	03/30/24 16:32	n/a	Summa Cleaning Certification
V7W222-SCC	7W05821.D	03/30/24 17:12	n/a	Summa Cleaning Certification
V7W222-SCC	7W05822.D	03/30/24 17:52	n/a	Summa Cleaning Certification
ZZZZZZ	7W05824.D	03/30/24 18:56	n/a	(unrelated sample)
ZZZZZZ	7W05825.D	03/30/24 19:33	n/a	(unrelated sample)
ZZZZZZ	7W05826.D	03/30/24 20:09	n/a	(unrelated sample)
JD83649-4R	7W05827.D	03/30/24 20:56	n/a	(used for QC only; not part of job JD91960)
JD83649-4RDUP	7W05828.D	03/30/24 21:45	n/a	Duplicate
ZZZZZZ	7W05829.D	03/30/24 22:53	n/a	(unrelated sample)
ZZZZZZ	7W05830.D	03/30/24 23:34	n/a	(unrelated sample)
ZZZZZZ	7W05831.D	03/31/24 00:15	n/a	(unrelated sample)
ZZZZZZ	7W05832.D	03/31/24 00:52	n/a	(unrelated sample)
ZZZZZZ	7W05833.D	03/31/24 01:32	n/a	(unrelated sample)
ZZZZZZ	7W05834.D	03/31/24 02:13	n/a	(unrelated sample)
ZZZZZZ	7W05835.D	03/31/24 02:54	n/a	(unrelated sample)
ZZZZZZ	7W05836.D	03/31/24 03:35	n/a	(unrelated sample)
ZZZZZZ	7W05837.D	03/31/24 04:16	n/a	(unrelated sample)
ZZZZZZ	7W05839.D	03/31/24 05:24	n/a	(unrelated sample)
ZZZZZZ	7W05841.D	03/31/24 06:32	n/a	(unrelated sample)
ZZZZZZ	7W05843.D	03/31/24 07:43	n/a	(unrelated sample)
ZZZZZZ	7W05845.D	03/31/24 08:52	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V7W236	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W236-BFB	7W06241.D	04/19/24 18:46	n/a	BFB Tune
V7W236-CC201	7W06242.D	04/19/24 19:22	n/a	Continuing cal 10
V7W236-BS	7W06243.D	04/19/24 19:58	n/a	Blank Spike
V7W236-BSD	7W06244.D	04/19/24 20:33	n/a	Blank Spike Duplicate
V7W236-MB	7W06248.D	04/19/24 23:05	n/a	Method Blank
V7W236-SCC	7W06249.D	04/19/24 23:46	n/a	Summa Cleaning Certification
V7W236-SCC	7W06250.D	04/20/24 00:26	n/a	Summa Cleaning Certification
V7W236-SCC	7W06251.D	04/20/24 01:06	n/a	Summa Cleaning Certification
V7W236-SCC	7W06252.D	04/20/24 01:46	n/a	Summa Cleaning Certification
V7W236-SCC	7W06253.D	04/20/24 02:26	n/a	Summa Cleaning Certification
V7W236-SCC	7W06254.D	04/20/24 03:06	n/a	Summa Cleaning Certification
V7W236-SCC	7W06255.D	04/20/24 03:46	n/a	Summa Cleaning Certification
V7W236-SCC	7W06256.D	04/20/24 04:26	n/a	Summa Cleaning Certification
V7W236-SCC	7W06257.D	04/20/24 05:06	n/a	Summa Cleaning Certification
V7W236-SCC	7W06258.D	04/20/24 05:47	n/a	Summa Cleaning Certification
V7W236-SCC	7W06259.D	04/20/24 06:27	n/a	Summa Cleaning Certification
V7W236-SCC	7W06260.D	04/20/24 07:07	n/a	Summa Cleaning Certification
V7W236-SCC	7W06261.D	04/20/24 07:48	n/a	Summa Cleaning Certification
V7W236-SCC	7W06264.D	04/20/24 09:49	n/a	Summa Cleaning Certification
V7W236-SCC	7W06266.D	04/20/24 11:29	n/a	Summa Cleaning Certification
V7W236-SCC	7W06267.D	04/20/24 12:09	n/a	Summa Cleaning Certification
V7W236-SCC	7W06268.D	04/20/24 12:44	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V8W244	**Method:** TO-15	**Instrument ID:** GCMS8W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V8W244-BFB	8W06379.D	07/22/24 22:21	n/a	BFB Tune
V8W244-IC244	8W06380.D	07/22/24 22:55	n/a	Initial cal 0.04
V8W244-IC244	8W06381.D	07/22/24 23:30	n/a	Initial cal 0.1
V8W244-IC244	8W06382.D	07/23/24 00:06	n/a	Initial cal 0.2
V8W244-IC244	8W06386.D	07/23/24 02:37	n/a	Initial cal 5
V8W244-ICC244	8W06387.D	07/23/24 03:13	n/a	Initial cal 10
V8W244-IC244	8W06388.D	07/23/24 03:49	n/a	Initial cal 20
V8W244-IC244	8W06389.D	07/23/24 04:29	n/a	Initial cal 40
V8W244-IC244	8W06390.D	07/23/24 05:10	n/a	Initial cal 50
V8W244-IC244	8W06400.D	07/23/24 14:46	n/a	Initial cal 0.5
V8W244-ICV244	8W06402.D	07/23/24 16:47	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V8W249	**Method:** TO-15	**Instrument ID:** GCMS8W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V8W249-BFB	8W06488.D	07/30/24 02:35	n/a	BFB Tune
V8W249-CC244	8W06489.D	07/30/24 03:09	n/a	Continuing cal 10
V8W249-BS	8W06490.D	07/30/24 03:43	n/a	Blank Spike
V8W249-BSD	8W06491.D	07/30/24 04:17	n/a	Blank Spike Duplicate
V8W249-MB	8W06497.D	07/30/24 08:05	n/a	Method Blank
V8W249-SCC	8W06498.D	07/30/24 08:44	n/a	Summa Cleaning Certification
V8W249-SCC	8W06499.D	07/30/24 09:23	n/a	Summa Cleaning Certification
V8W249-SCC	8W06500.D	07/30/24 10:02	n/a	Summa Cleaning Certification
JD91786-1	8W06502.D	07/30/24 11:29	n/a	(used for QC only; not part of job JD91960)
JD91786-1DUP	8W06503.D	07/30/24 12:10	n/a	Duplicate
ZZZZZZ	8W06504.D	07/30/24 12:53	n/a	(unrelated sample)
ZZZZZZ	8W06505.D	07/30/24 13:37	n/a	(unrelated sample)
ZZZZZZ	8W06506.D	07/30/24 14:21	n/a	(unrelated sample)
ZZZZZZ	8W06507.D	07/30/24 15:01	n/a	(unrelated sample)
ZZZZZZ	8W06508.D	07/30/24 15:47	n/a	(unrelated sample)
ZZZZZZ	8W06509.D	07/30/24 16:31	n/a	(unrelated sample)
ZZZZZZ	8W06510.D	07/30/24 17:11	n/a	(unrelated sample)
ZZZZZZ	8W06511.D	07/30/24 17:51	n/a	(unrelated sample)
ZZZZZZ	8W06512.D	07/30/24 18:35	n/a	(unrelated sample)
ZZZZZZ	8W06513.D	07/30/24 19:22	n/a	(unrelated sample)
ZZZZZZ	8W06514.D	07/30/24 20:05	n/a	(unrelated sample)
ZZZZZZ	8W06515.D	07/30/24 20:54	n/a	(unrelated sample)
ZZZZZZ	8W06518.D	07/30/24 22:40	n/a	(unrelated sample)
JD91960-1	8W06520.D	07/30/24 23:55	n/a	VP-06-INDOOR
ZZZZZZ	8W06521.D	07/31/24 00:30	n/a	(unrelated sample)
ZZZZZZ	8W06522.D	07/31/24 01:04	n/a	(unrelated sample)
ZZZZZZ	8W06523.D	07/31/24 01:39	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD91960
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V8W250	**Method:** TO-15	**Instrument ID:** GCMS8W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V8W250-BFB	8W06527.D	07/31/24 11:54	n/a	BFB Tune
V8W250-CC244	8W06528.D	07/31/24 12:28	n/a	Continuing cal 10
V8W250-BS	8W06529.D	07/31/24 13:22	n/a	Blank Spike
V8W250-BSD	8W06530.D	07/31/24 13:55	n/a	Blank Spike Duplicate
V8W250-MB	8W06533.D	07/31/24 16:33	n/a	Method Blank
V8W250-SCC	8W06534.D	07/31/24 17:23	n/a	Summa Cleaning Certification
V8W250-SCC	8W06535.D	07/31/24 17:57	n/a	Summa Cleaning Certification
ZZZZZZ	8W06536.D	07/31/24 18:37	n/a	(unrelated sample)
JD91882-2	8W06537.D	07/31/24 19:17	n/a	(used for QC only; not part of job JD91960)
JD91882-2DUP	8W06538.D	07/31/24 19:58	n/a	Duplicate
ZZZZZZ	8W06539.D	07/31/24 20:38	n/a	(unrelated sample)
ZZZZZZ	8W06540.D	07/31/24 21:19	n/a	(unrelated sample)
ZZZZZZ	8W06541.D	07/31/24 21:59	n/a	(unrelated sample)
ZZZZZZ	8W06542.D	07/31/24 22:39	n/a	(unrelated sample)
ZZZZZZ	8W06543.D	07/31/24 23:20	n/a	(unrelated sample)
ZZZZZZ	8W06544.D	08/01/24 00:00	n/a	(unrelated sample)
ZZZZZZ	8W06545.D	08/01/24 00:40	n/a	(unrelated sample)
ZZZZZZ	8W06546.D	08/01/24 01:20	n/a	(unrelated sample)
ZZZZZZ	8W06547.D	08/01/24 02:00	n/a	(unrelated sample)
ZZZZZZ	8W06548.D	08/01/24 02:40	n/a	(unrelated sample)
ZZZZZZ	8W06549.D	08/01/24 03:21	n/a	(unrelated sample)
ZZZZZZ	8W06550.D	08/01/24 04:02	n/a	(unrelated sample)
ZZZZZZ	8W06551.D	08/01/24 04:38	n/a	(unrelated sample)
ZZZZZZ	8W06552.D	08/01/24 05:14	n/a	(unrelated sample)
ZZZZZZ	8W06553.D	08/01/24 05:51	n/a	(unrelated sample)
JD91960-2	8W06554.D	08/01/24 06:27	n/a	VP-06-SOILVAPOR
ZZZZZZ	8W06556.D	08/01/24 07:38	n/a	(unrelated sample)
ZZZZZZ	8W06557.D	08/01/24 08:13	n/a	(unrelated sample)
V8W250-SCC	8W06559.D	08/01/24 09:27	n/a	Summa Cleaning Certification

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06520.D
Acq On : 30 Jul 2024 11:55 pm
Operator : benk
Sample : jd91960-1
Misc : MS83013,v8w0249,500,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 31 13:00:43 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

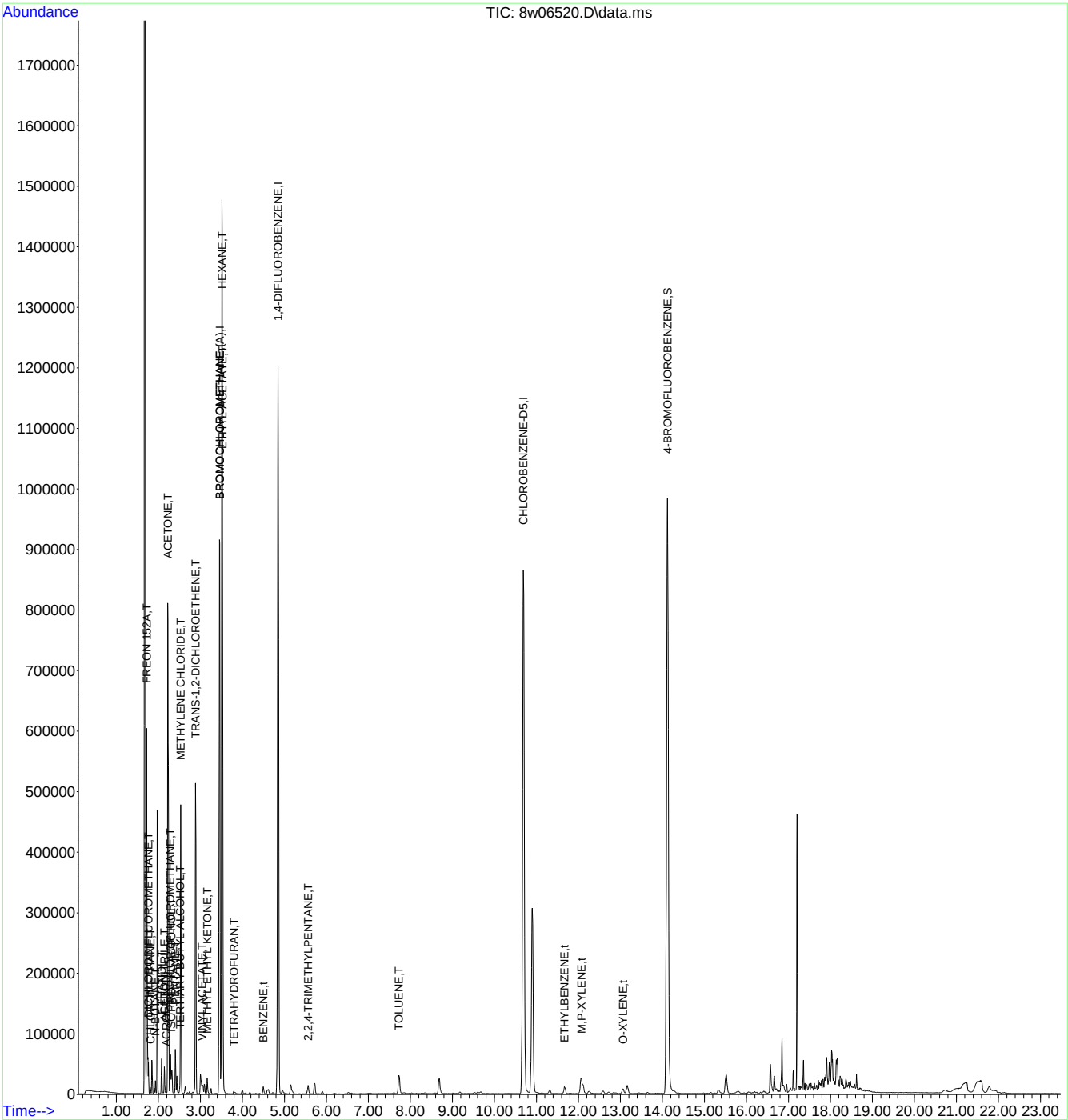
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.459	128	211604	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	970251	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.690	117	829659	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	211604	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.122	95	606360	8.72	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.722	65	107912	9.65	PPBV	# 14
6) DICHLORODIFLUOROMETHANE	1.764	85	20946	0.40	PPBV	# 85
10) CHLOROMETHANE	1.813	52	1571	0.61	PPBV	# 95
13) N-BUTANE	1.929	41	5931	1.03	PPBV	# 53
17) ACETONITRILE	2.142	41	24390	2.88	PPBV	100
18) ACROLEIN	2.185	56	1601	0.40	PPBV	# 90
21) TRICHLOROFLUOROMETHANE	2.283	101	32492	0.64	PPBV	100
22) ISOPROPYL ALCOHOL	2.307	45	18648	0.83	PPBV	94
23) ACETONE	2.222	58	150890	24.12	PPBV	71
24) PENTANE	2.405	42	12937	1.35	PPBV	# 87
28) ETHANOL	2.075	45	32089	6.70	PPBV	98
31) METHYLENE CHLORIDE	2.533	84	118239	10.13	PPBV	97
34) TRANS-1,2-DICHLOROETHENE	2.886	96	130663	7.04	PPBV	86
35) TERTIARY BUTYL ALCOHOL	2.514	59	8036	0.32	PPBV	# 1
37) TETRAHYDROFURAN	3.795	72	1035	0.13	PPBV	# 72
38) HEXANE	3.514	57	426592	16.01	PPBV	# 76
39) VINYL ACETATE	3.039	86	1819	0.41	PPBV	77
41) METHYL ETHYL KETONE	3.161	72	5130	0.65	PPBV	# 91
44) ETHYL ACETATE	3.526	61	62826	11.71	PPBV	# 1
51) BENZENE	4.496	78	9161	0.18	PPBV	95
60) 2,2,4-TRIMETHYLPENTANE	5.563	57	12026	0.14	PPBV	91
66) TOLUENE	7.727	91	30227	0.50	PPBV	99
79) ETHYLBENZENE	11.665	91	13515	0.17	PPBV	94
80) M,P-XYLENE	12.068	91	34779	0.53	PPBV	# 67
81) O-XYLENE	13.061	91	9481	0.15	PPBV	93

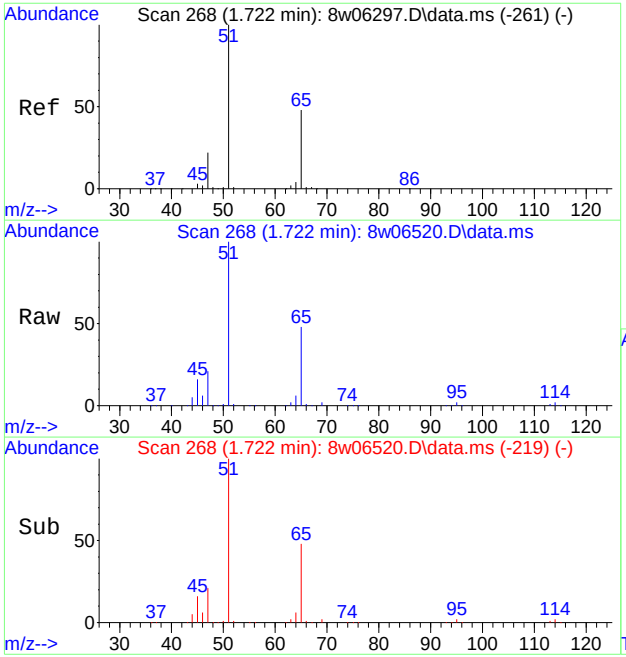
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06520.D
Acq On : 30 Jul 2024 11:55 pm
Operator : benk
Sample : jd91960-1
Misc : MS83013,v8w0249,500,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 31 13:00:43 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

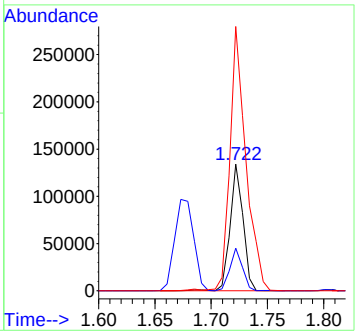


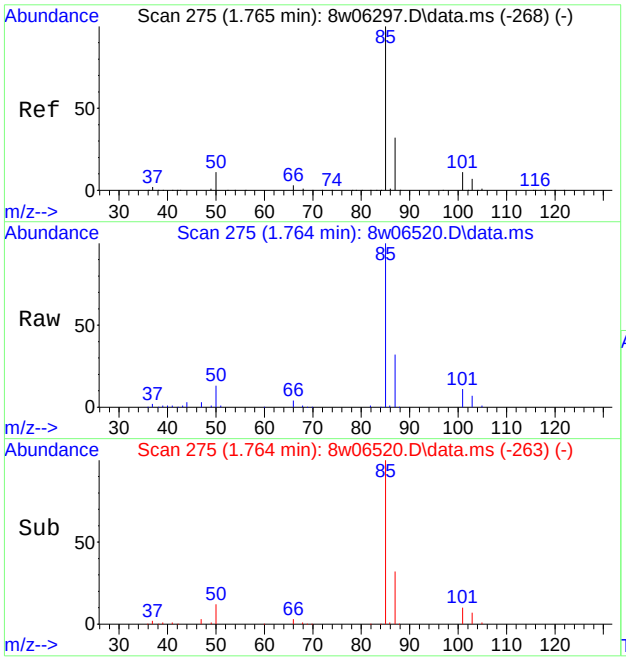


#3
FREON 152A
Concen: 9.65 PPBV
RT: 1.722 min Scan# 268
Delta R.T. -0.000 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 65 Resp: 107912

Ion	Ratio	Lower	Upper
65	100		
45	33.2	28.2	42.2
51	258.1	412.2	618.2#

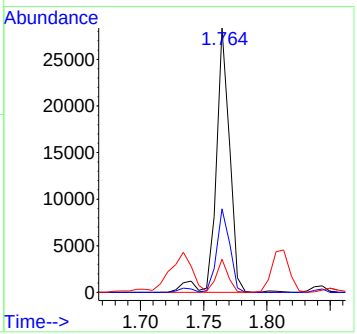


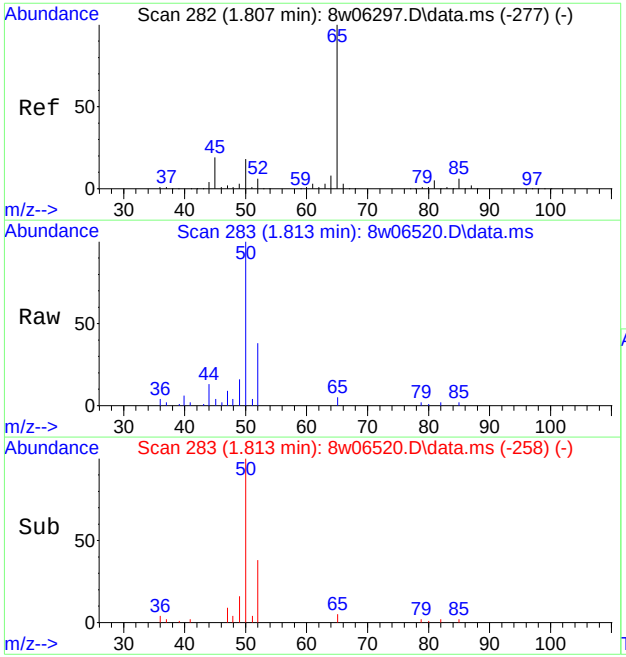


#6
DICHLORODIFLUOROMETHANE
Concen: 0.40 PPBV
RT: 1.764 min Scan# 275
Delta R.T. 0.000 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 85 Resp: 20946

Ion	Ratio	Lower	Upper
85	100		
87	32.1	25.8	38.8
50	0.0	14.6	21.8#

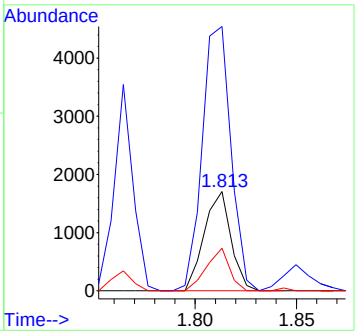


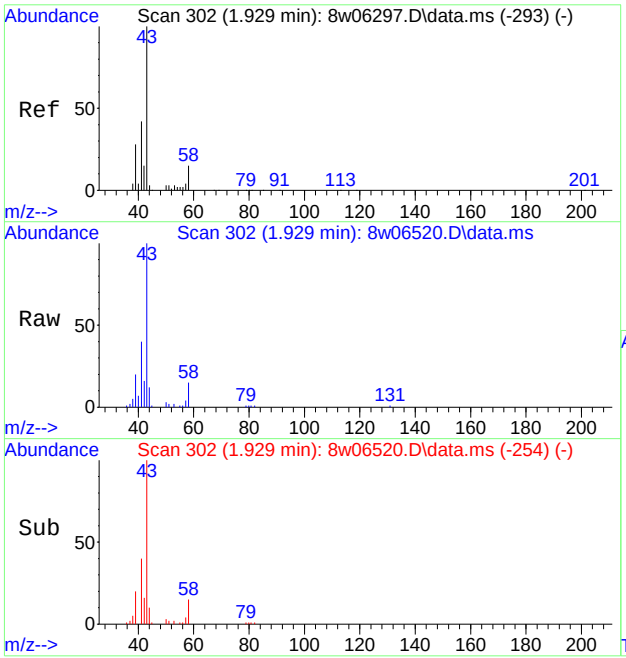


#10
CHLOROMETHANE
Concen: 0.61 PPBV
RT: 1.813 min Scan# 283
Delta R.T. 0.000 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 52 Resp: 1571

Ion	Ratio	Lower	Upper
52	100		
50	313.7	256.0	384.0
49	38.0	38.7	58.1#

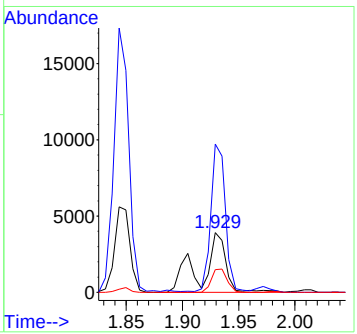


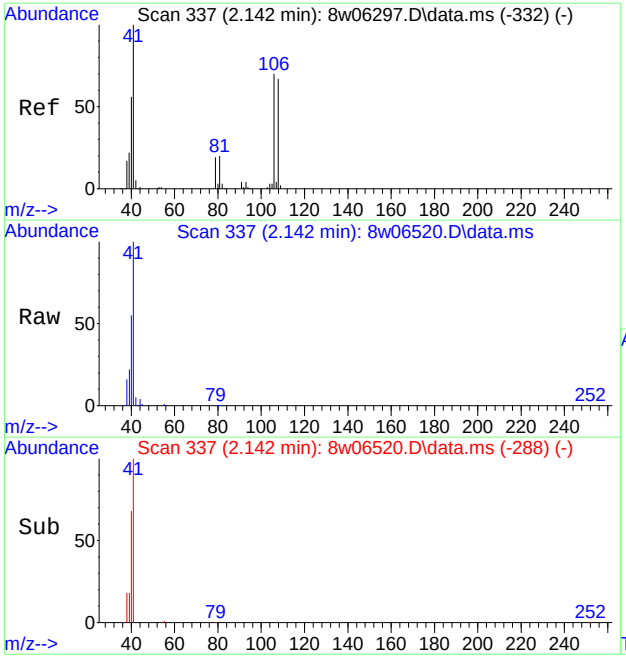


#13
N-BUTANE
Concen: 1.03 PPBV
RT: 1.929 min Scan# 302
Delta R.T. -0.006 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 41 Resp: 5931

Ion	Ratio	Lower	Upper
41	100		
43	157.5	196.6	295.0#
58	25.3	31.4	47.2#

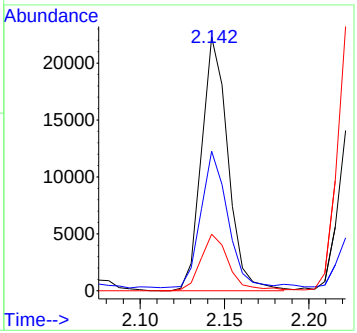


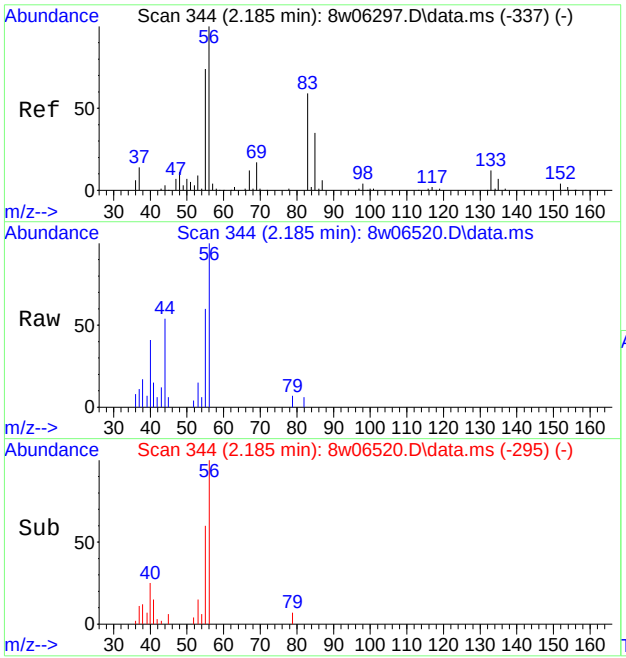


#17
ACETONITRILE
Concen: 2.88 PPBV
RT: 2.142 min Scan# 337
Delta R.T. 0.000 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 41 Resp: 24390

Ion	Ratio	Lower	Upper
41	100		
40	55.3	44.3	66.5
39	23.6	18.5	27.7

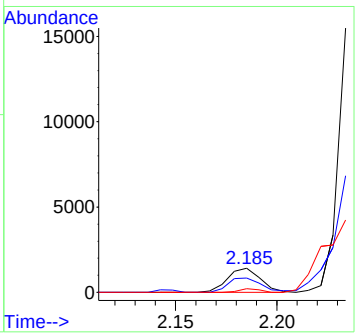


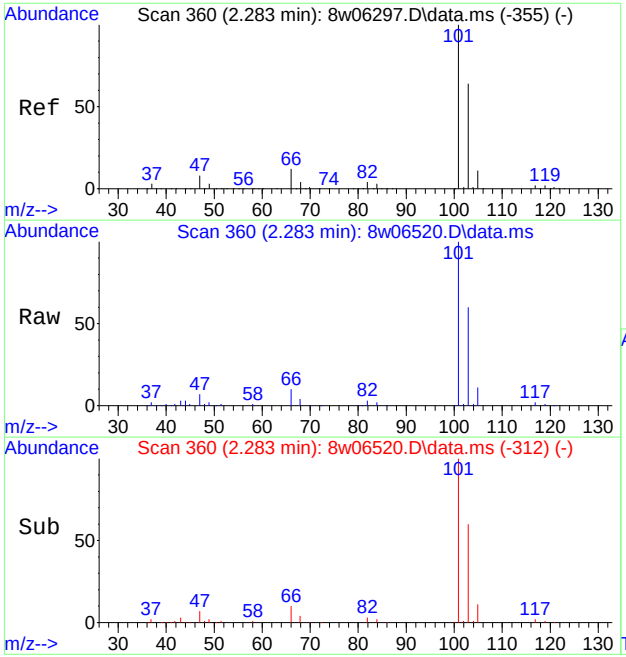


#18
ACROLEIN
Concen: 0.40 PPBV
RT: 2.185 min Scan# 344
Delta R.T. 0.000 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 56 Resp: 1601

Ion	Ratio	Lower	Upper
56	100		
55	67.6	59.2	88.8
53	0.0	8.5	12.7#

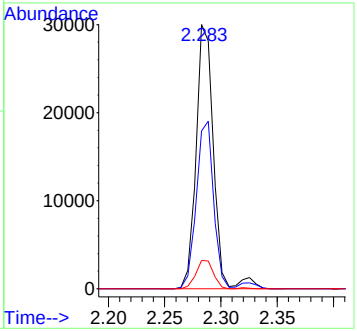


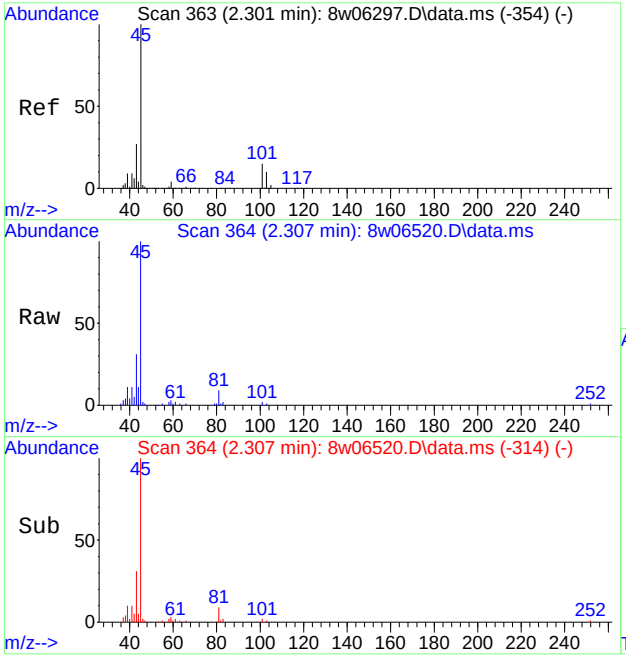


#21
TRICHLOROFLUOROMETHANE
Concen: 0.64 PPBV
RT: 2.283 min Scan# 360
Delta R.T. -0.006 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion:101 Resp: 32492

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.8	77.8
105	10.9	8.6	12.8

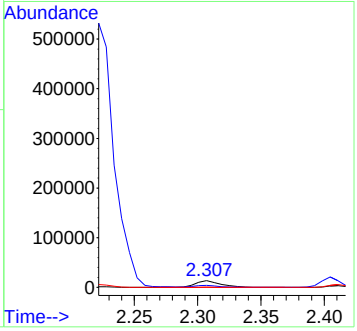


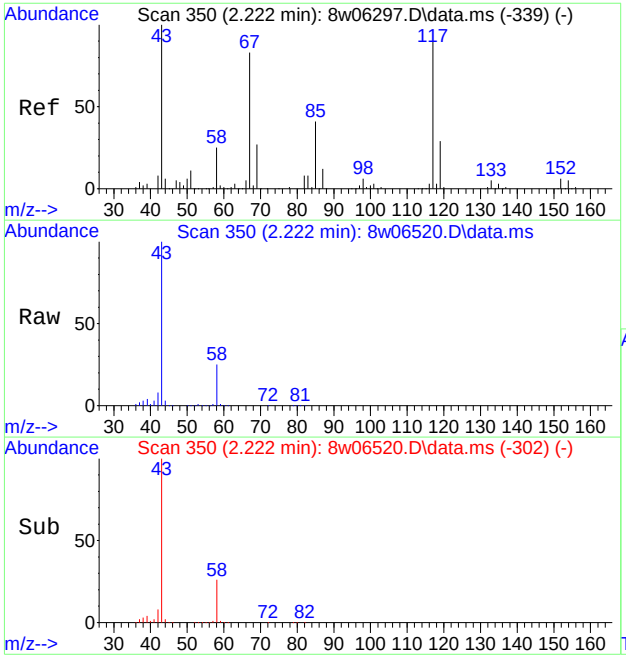


#22
ISOPROPYL ALCOHOL
Concen: 0.83 PPBV
RT: 2.307 min Scan# 364
Delta R.T. 0.006 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 45 Resp: 18648

Ion	Ratio	Lower	Upper
45	100		
43	29.8	20.9	31.3
59	3.5	3.4	5.2

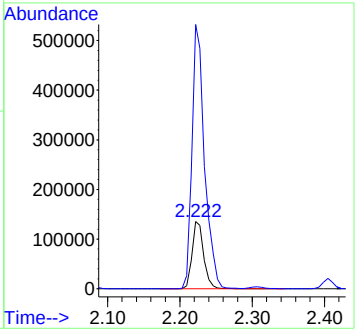


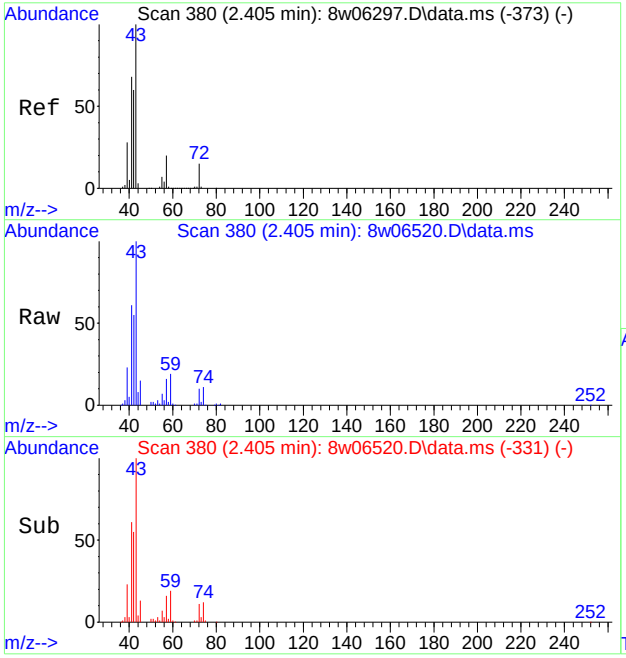


#23
ACETONE
Concen: 24.12 PPBV
RT: 2.222 min Scan# 350
Delta R.T. -0.006 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 58 Resp: 150890

Ion	Ratio	Lower	Upper
58	100		
43	425.6	289.4	434.2

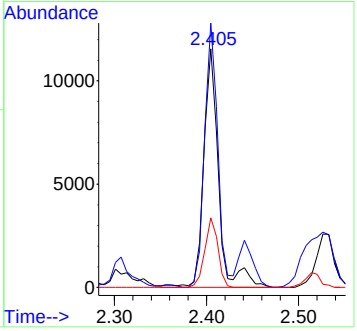


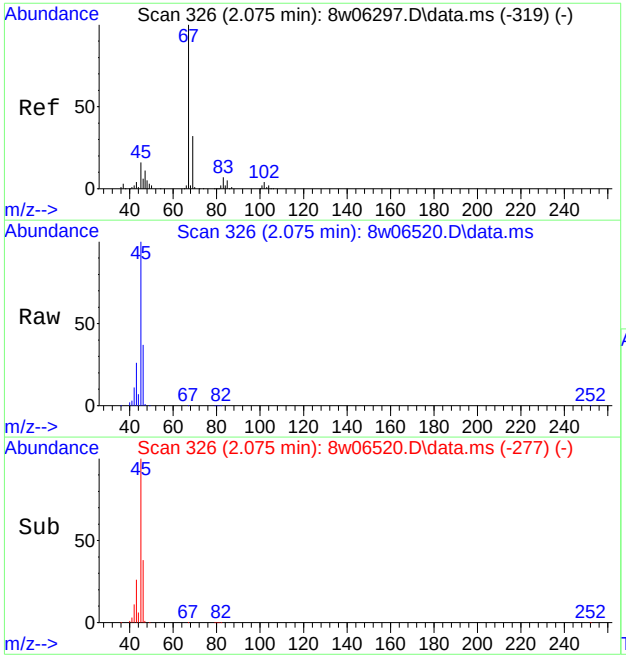


#24
PENTANE
Concen: 1.35 PPBV
RT: 2.405 min Scan# 380
Delta R.T. 0.001 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 42 Resp: 12937

Ion	Ratio	Lower	Upper
42	100		
41	118.7	84.9	127.3
57	25.9	27.6	41.4#

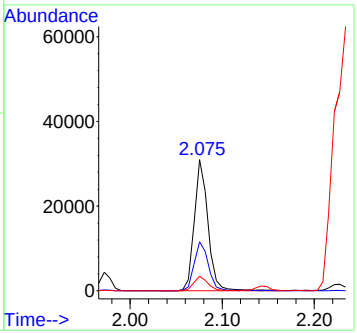


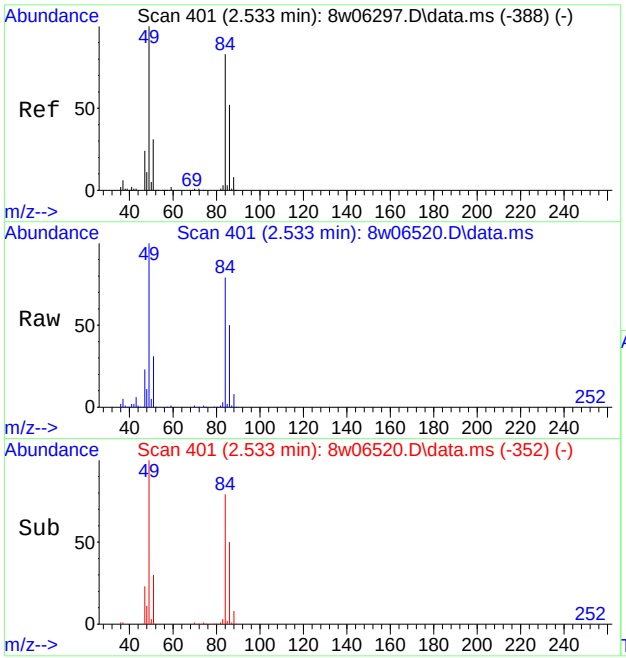


#28
ETHANOL
Concen: 6.70 PPBV
RT: 2.075 min Scan# 326
Delta R.T. 0.000 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 45 Resp: 32089

Ion	Ratio	Lower	Upper
45	100		
46	38.8	29.8	44.6
42	11.4	8.8	13.2

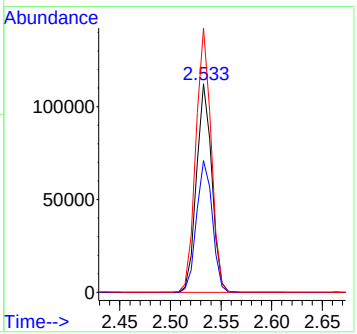


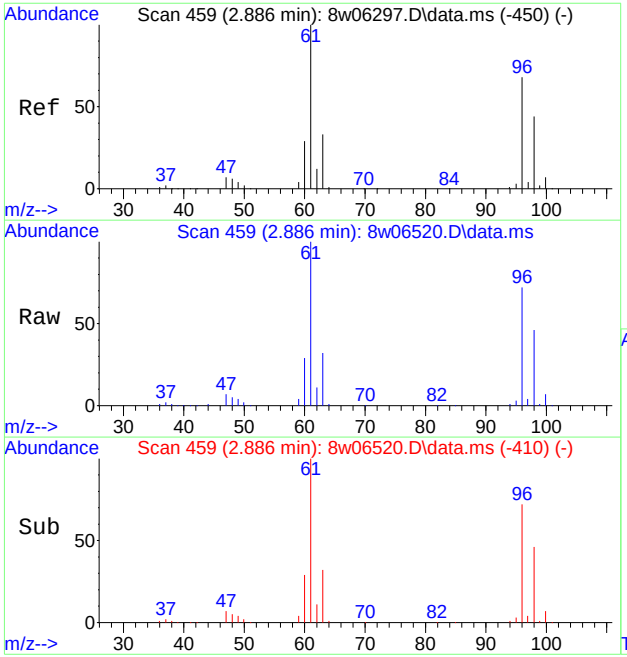


#31
METHYLENE CHLORIDE
Concen: 10.13 PPBV
RT: 2.533 min Scan# 401
Delta R.T. 0.001 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 84 Resp: 118239

Ion	Ratio	Lower	Upper
84	100		
86	65.5	50.4	75.6
49	127.0	99.5	149.3

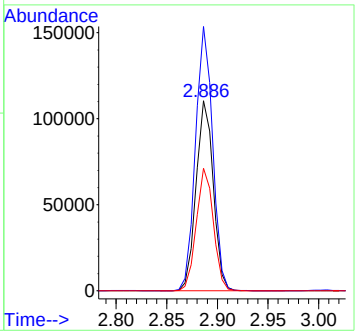


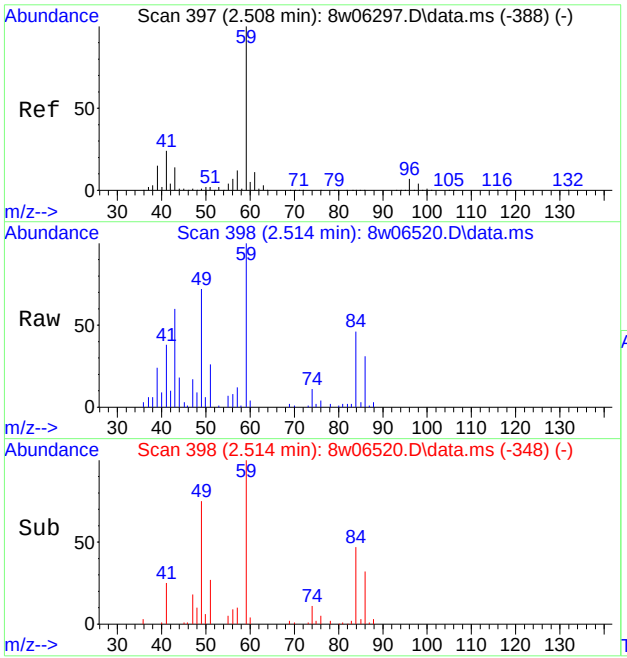


#34
TRANS-1,2-DICHLOROETHENE
Concen: 7.04 PPBV
RT: 2.886 min Scan# 459
Delta R.T. 0.000 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 96 Resp: 130663

Ion	Ratio	Lower	Upper
96	100		
61	138.5	131.7	197.5
98	63.9	51.2	76.8

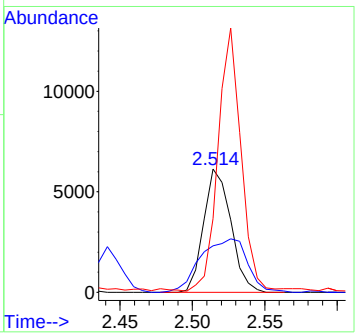


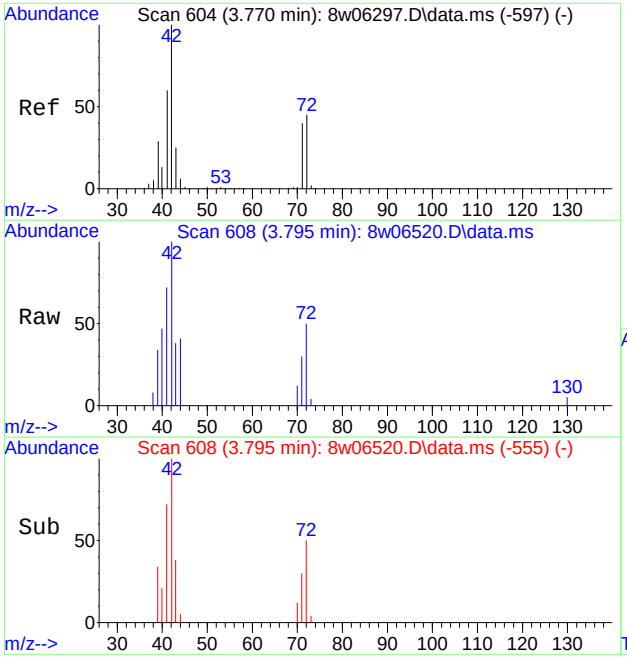


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.32 PPBV
RT: 2.514 min Scan# 398
Delta R.T. 0.006 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 59 Resp: 8036

Ion	Ratio	Lower	Upper
59	100		
41	75.4	20.0	30.0#
43	181.2	11.0	16.4#

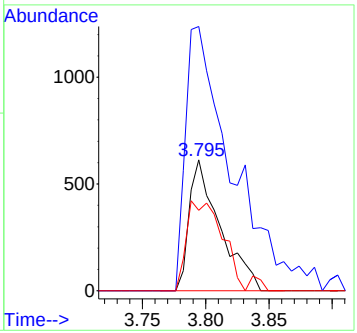


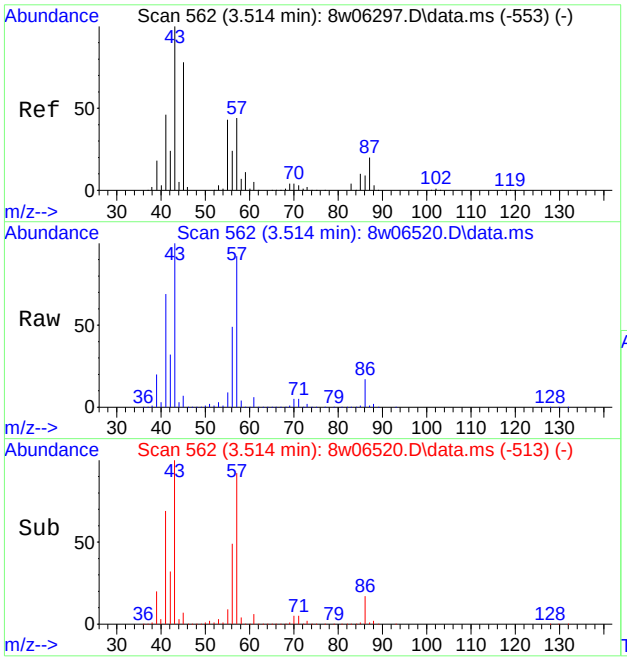


#37
TETRAHYDROFURAN
Concen: 0.13 PPBV
RT: 3.795 min Scan# 608
Delta R.T. 0.025 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 72 Resp: 1035

Ion	Ratio	Lower	Upper
72	100		
42	314.4	203.1	304.7#
71	84.0	76.2	114.2

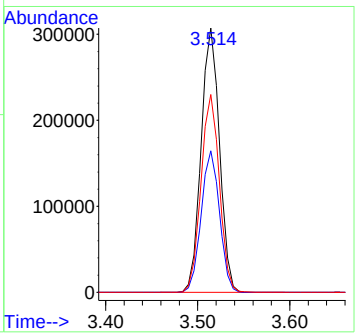


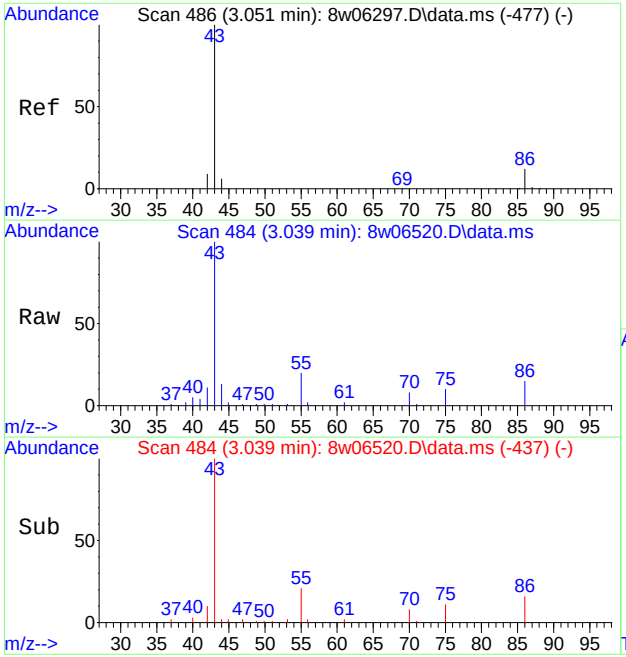


#38
HEXANE
Concen: 16.01 PPBV
RT: 3.514 min Scan# 562
Delta R.T. 0.000 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 57 Resp: 426592

Ion	Ratio	Lower	Upper
57	100		
56	53.6	45.3	67.9
41	74.9	89.0	133.4#

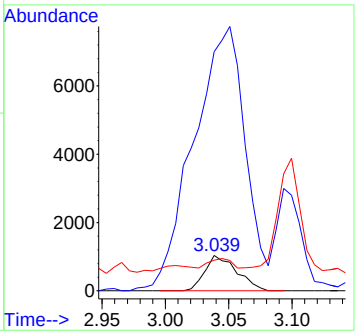


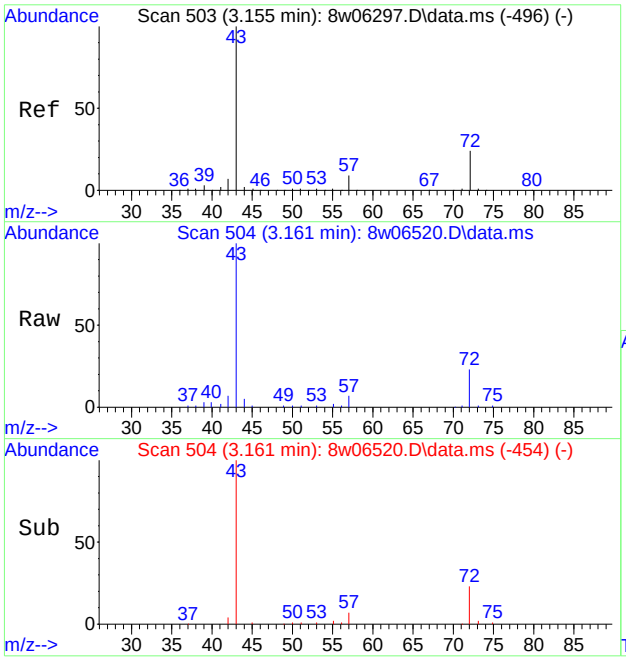


#39
VINYL ACETATE
Concen: 0.41 PPBV
RT: 3.039 min Scan# 484
Delta R.T. -0.012 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 86 Resp: 1819

Ion	Ratio	Lower	Upper
86	100		
43	1208.9	1069.8	1604.6
44	75.2	53.8	80.6

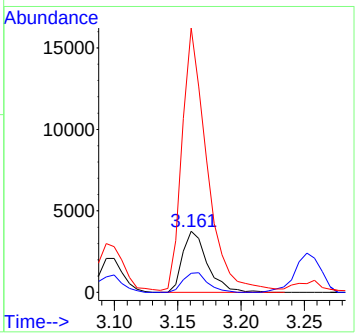


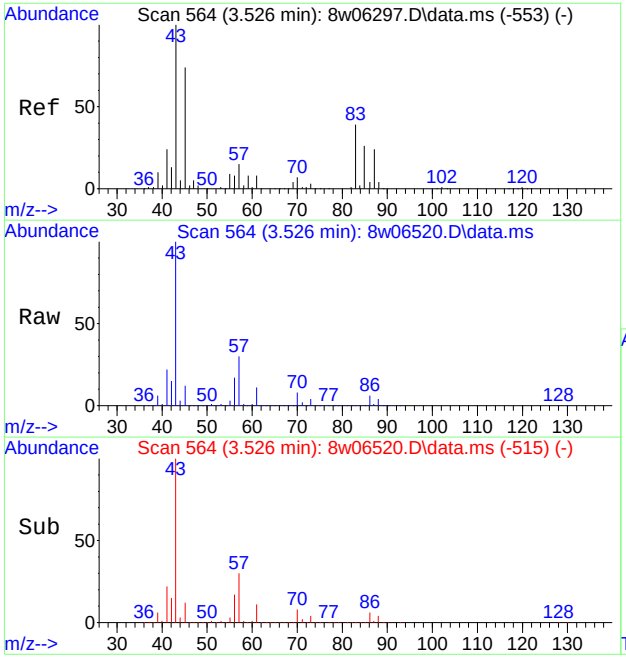


#41
METHYL ETHYL KETONE
Concen: 0.65 PPBV
RT: 3.161 min Scan# 504
Delta R.T. 0.007 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 72 Resp: 5130

Ion	Ratio	Lower	Upper
72	100		
57	31.9	32.1	48.1#
43	431.3	363.4	545.0

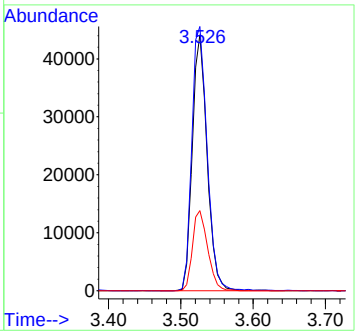


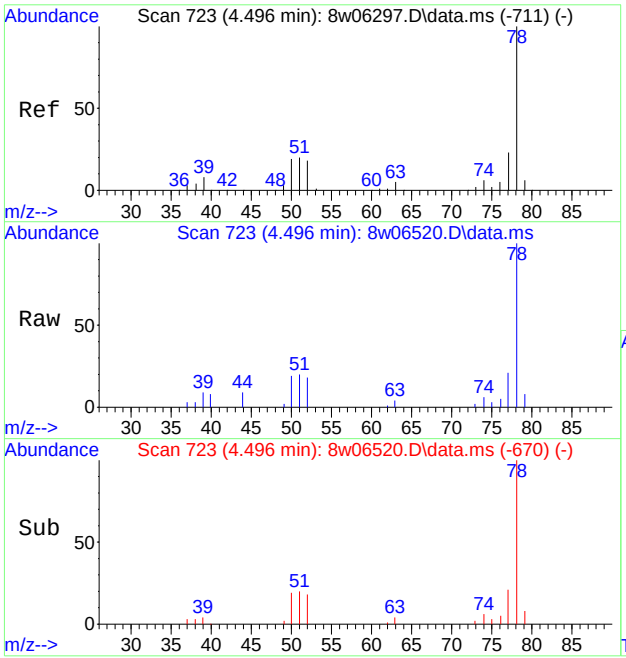


#44
ETHYL ACETATE
Concen: 11.71 PPBV
RT: 3.526 min Scan# 564
Delta R.T. 0.000 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 61 Resp: 62826

Ion	Ratio	Lower	Upper
61	100		
45	107.7	901.9	1352.9#
88	32.1	36.9	55.3#

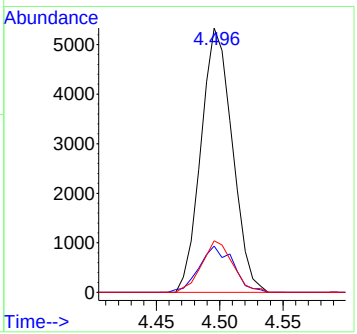


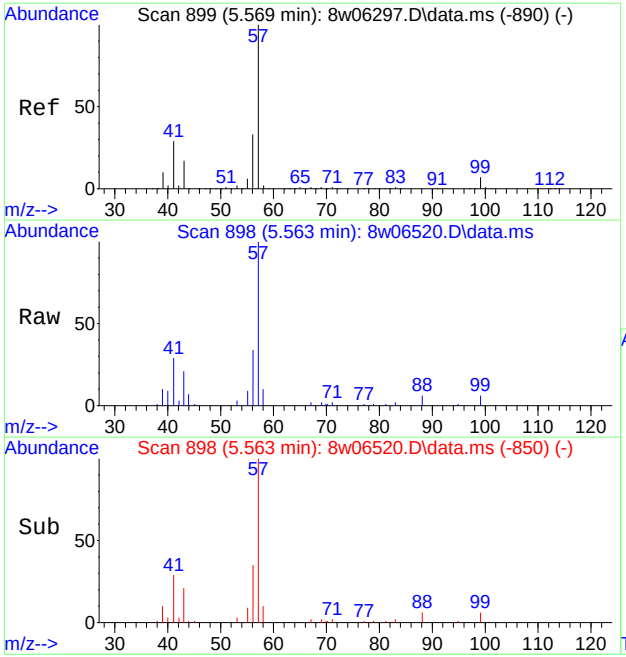


#51
BENZENE
Concen: 0.18 PPBV
RT: 4.496 min Scan# 723
Delta R.T. -0.006 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 78 Resp: 9161

Ion	Ratio	Lower	Upper
78	100		
52	19.0	0.8	40.8
51	19.5	2.6	42.6

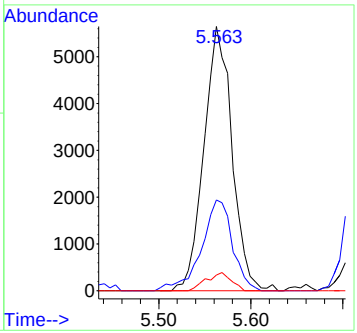


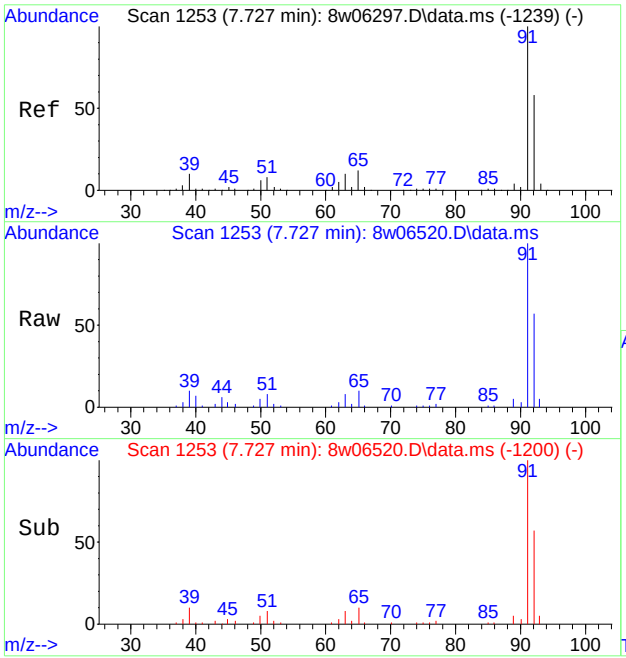


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.14 PPBV
RT: 5.563 min Scan# 898
Delta R.T. -0.006 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 57 Resp: 12026

Ion	Ratio	Lower	Upper
57	100		
56	37.8	25.5	38.3
99	6.1	4.6	6.8

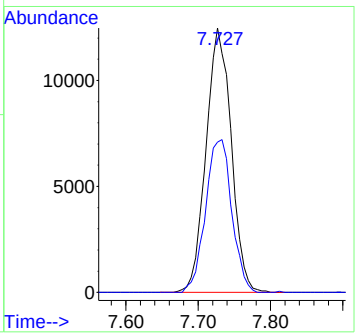


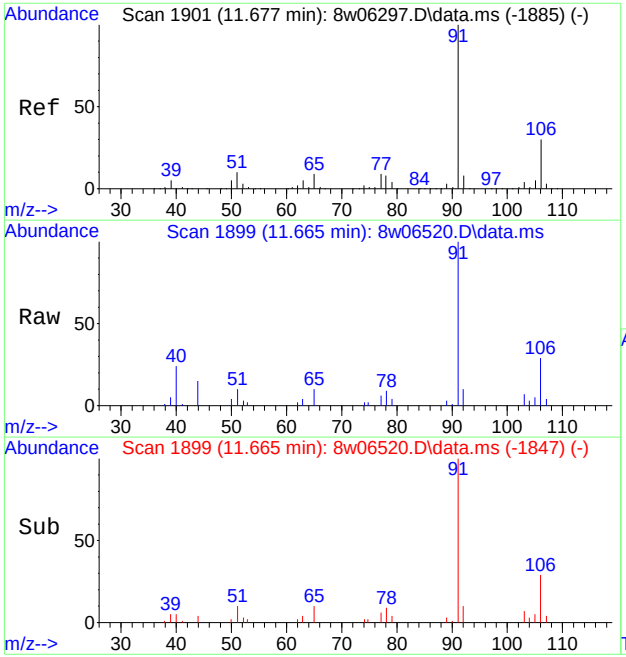


#66
TOLUENE
Concen: 0.50 PPBV
RT: 7.727 min Scan# 1253
Delta R.T. -0.006 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 91 Resp: 30227

Ion	Ratio	Lower	Upper
91	100		
92	60.1	39.2	79.2

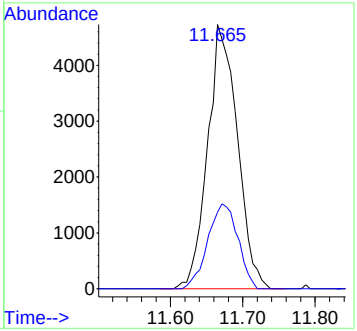


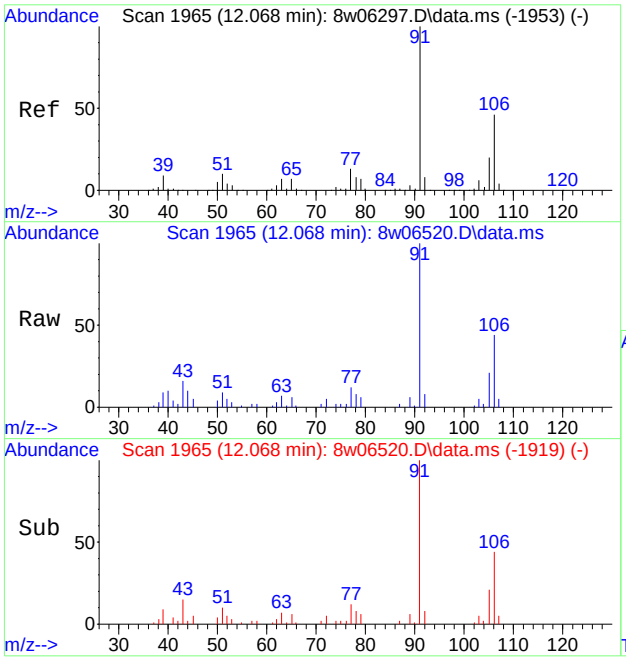


#79
ETHYLBENZENE
Concen: 0.17 PPBV
RT: 11.665 min Scan# 1899
Delta R.T. -0.012 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 91 Resp: 13515

Ion	Ratio	Lower	Upper
91	100		
106	32.6	9.6	49.6

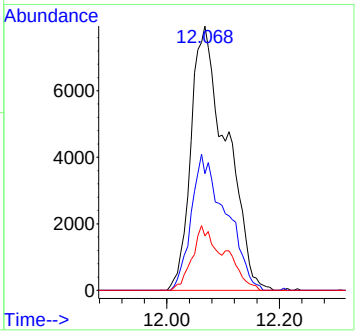


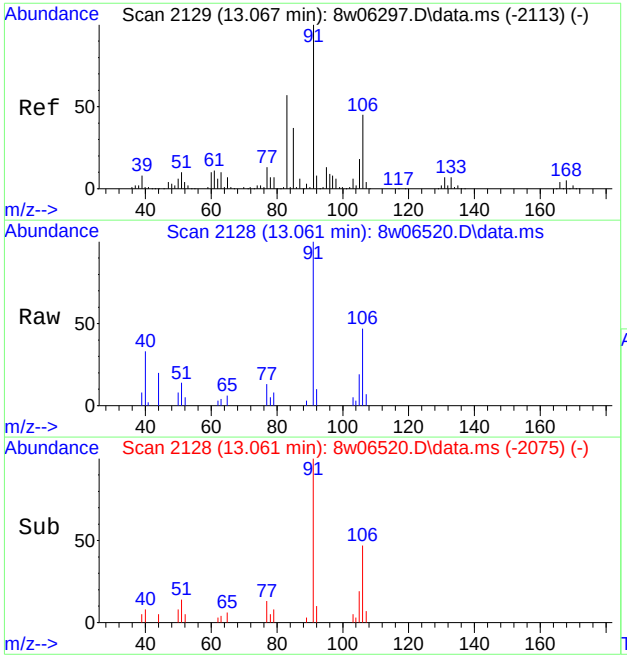


#80
M,P-XYLENE
Concen: 0.53 PPBV
RT: 12.068 min Scan# 1965
Delta R.T. -0.048 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 91 Resp: 34779

Ion	Ratio	Lower	Upper
91	100		
106	50.3	1.6	41.6#
105	22.5	0.8	40.8

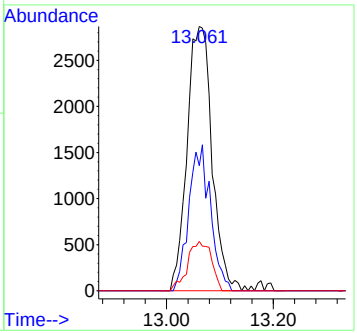




#81
O-XYLENE
Concen: 0.15 PPBV
RT: 13.061 min Scan# 2128
Delta R.T. -0.006 min
Lab File: 8w06520.D
Acq: 30 Jul 2024 11:55 pm

Tgt Ion: 91 Resp: 9481

Ion	Ratio	Lower	Upper
91	100		
106	47.3	33.4	50.0
105	18.7	13.9	20.9



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/01/24 20:57

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\08-01-2024\V8W250\
Data File : 8w06554.D
Acq On : 01 Aug 2024 06:27 am
Operator : thomash
Sample : jd91960-2 Inst : GCMS
Misc : MS83034,v8w0250,100,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 01 18:54:34 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

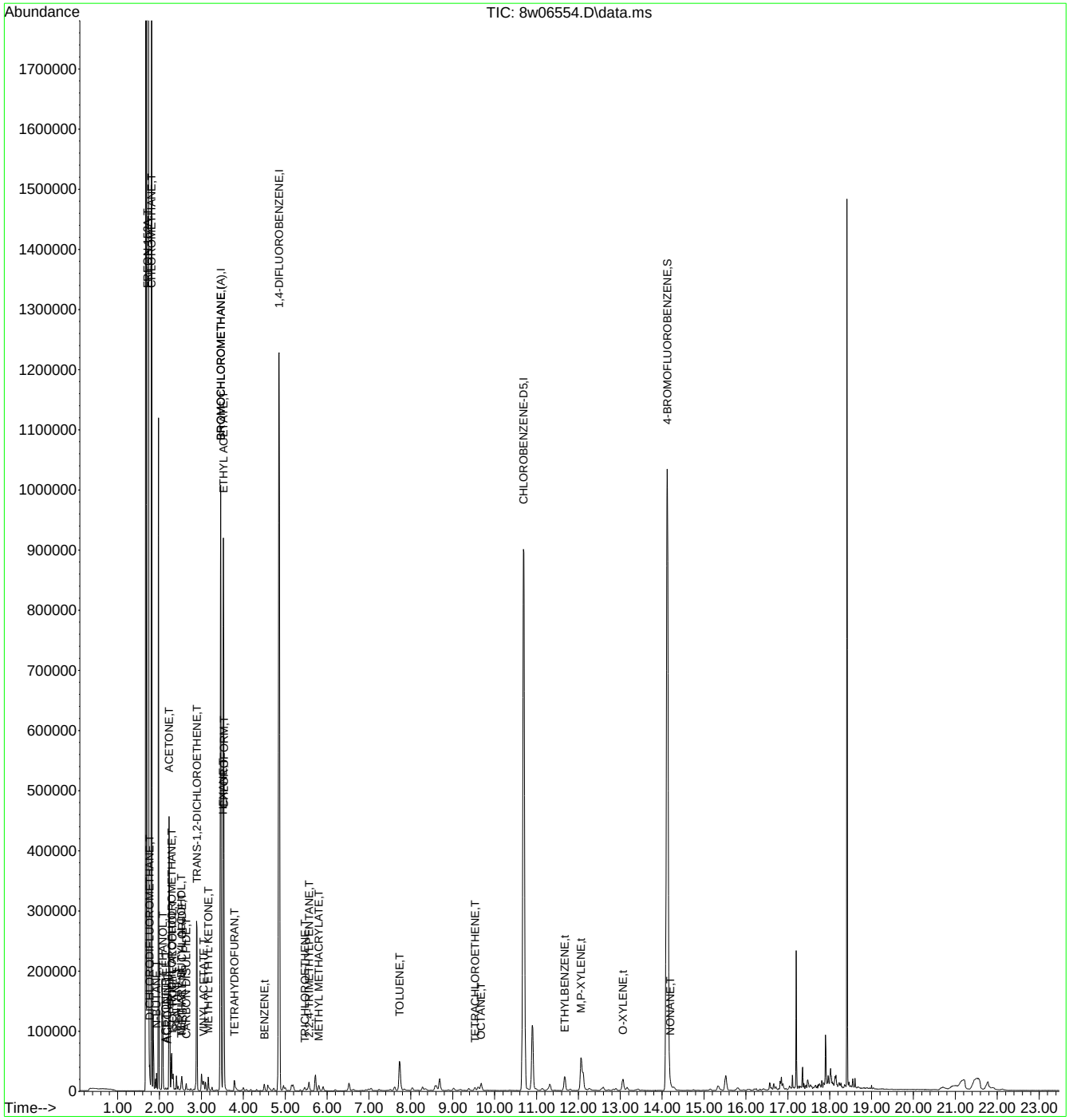
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.459	128	220331	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.855	114	1023497	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.690	117	875435	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	220331	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.122	95	636717	8.68	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.709	65	4242176	364.2706	PPBV	# 1
6) DICHLORODIFLUOROMETHANE	1.764	85	22961	0.4215	PPBV	# 70
10) CHLOROMETHANE	1.807	52	7342	2.7564	PPBV	# 1
13) N-BUTANE	1.929	41	4325m	0.7248	PPBV	
17) ACETONITRILE	2.142	41	939	0.1065	PPBV	# 54
18) ACROLEIN	2.185	56	1143	0.2753	PPBV	# 37
21) TRICHLOROFLUOROMETHANE	2.289	101	29334	0.5564	PPBV	100
22) ISOPROPYL ALCOHOL	2.307	45	13754	0.5894	PPBV	# 96
23) ACETONE	2.228	58	74479	11.4324	PPBV	73
24) PENTANE	2.404	42	5023	0.5041	PPBV	# 87
27) CARBON DISULFIDE	2.636	76	7497	0.2571	PPBV	# 86
28) ETHANOL	2.075	45	68228	13.6757	PPBV	93
31) METHYLENE CHLORIDE	2.539	84	3860	0.3177	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.892	96	74824	3.8740	PPBV	87
35) TERTIARY BUTYL ALCOHOL	2.514	59	6108	0.2366	PPBV	# 1
37) TETRAHYDROFURAN	3.788	72	3702	0.4553	PPBV	# 74
38) HEXANE	3.514	57	7763	0.2799	PPBV	# 68
39) VINYL ACETATE	3.051	86	2108	0.4571	PPBV	# 50
41) METHYL ETHYL KETONE	3.167	72	4814	0.5874	PPBV	96
44) ETHYL ACETATE	3.526	61	104783	18.7546	PPBV	# 1
46) CHLOROFORM	3.538	83	6621	0.1475	PPBV	# 88
51) BENZENE	4.502	78	8873	0.1632	PPBV	96
55) TRICHLOROETHENE	5.465	95	1756	0.0634	PPBV	89
60) 2,2,4-TRIMETHYLPENTANE	5.569	57	13238	0.1458	PPBV	# 81
63) METHYL METHACRYLATE	5.800	69	3806	0.2148	PPBV	97
66) TOLUENE	7.733	91	47585	0.7418	PPBV	99
72) TETRACHLOROETHENE	9.531	164	2011	0.0641	PPBV	88
75) OCTANE	9.671	85	2162	0.1150	PPBV	87
79) ETHYLBENZENE	11.671	91	28722	0.3425	PPBV	94
80) M,P-XYLENE	12.061	91	77180	1.1179	PPBV	# 69
81) O-XYLENE	13.061	91	20536	0.3044	PPBV	95
83) NONANE	14.195	85	1916	0.1264	PPBV	# 24

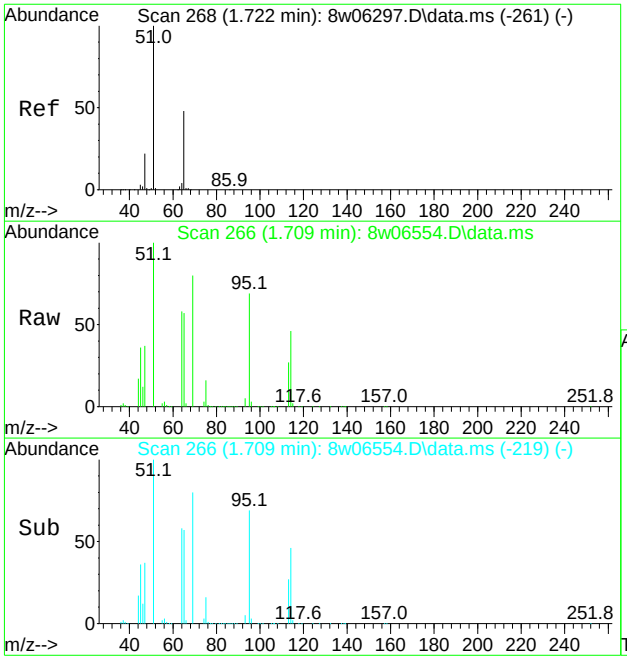
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\08-01-2024\V8W250\
Data File : 8w06554.D
Acq On : 01 Aug 2024 06:27 am
Operator : thomash
Sample : jd91960-2 Inst : GCMS
Misc : MS83034,v8w0250,100,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 01 18:54:34 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

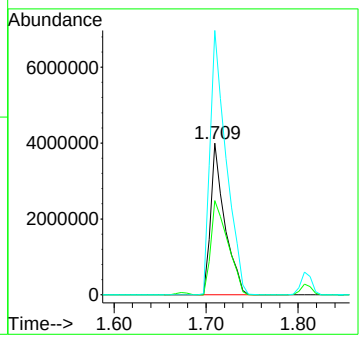


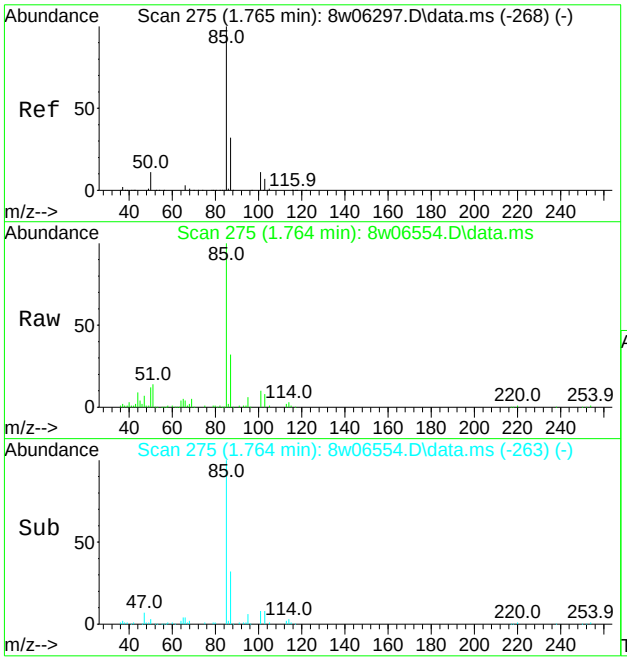


#3
FREON 152A
Concen: 364.2706 PPBV
RT: 1.709 min Scan# 266
Delta R.T. -0.013 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 65 Resp: 4242176

Ion	Ratio	Lower	Upper
65	100		
45	76.6	28.2	42.2#
51	199.4	412.2	618.2#

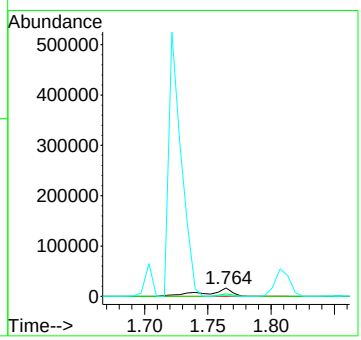


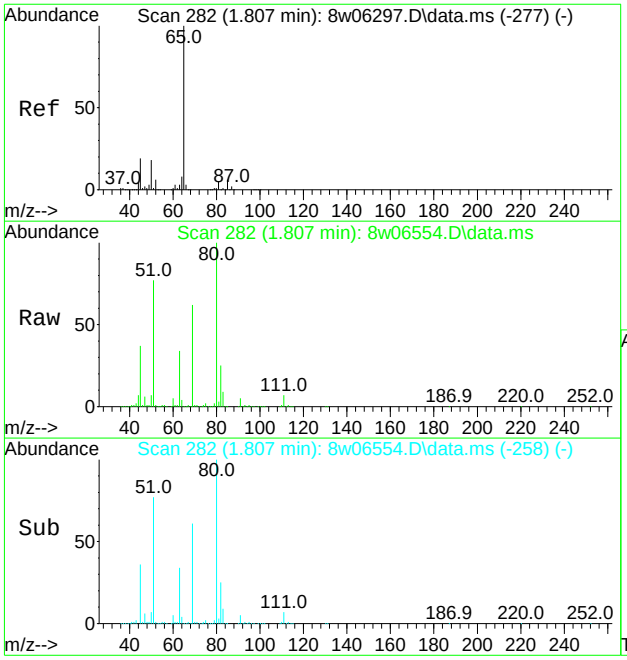


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4215 PPBV
RT: 1.764 min Scan# 275
Delta R.T. 0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 85 Resp: 22961

Ion	Ratio	Lower	Upper
85	100		
87	18.9	25.8	38.8#
50	0.0	14.6	21.8#

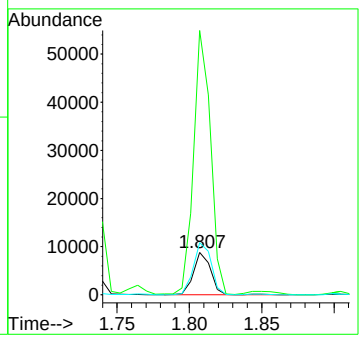


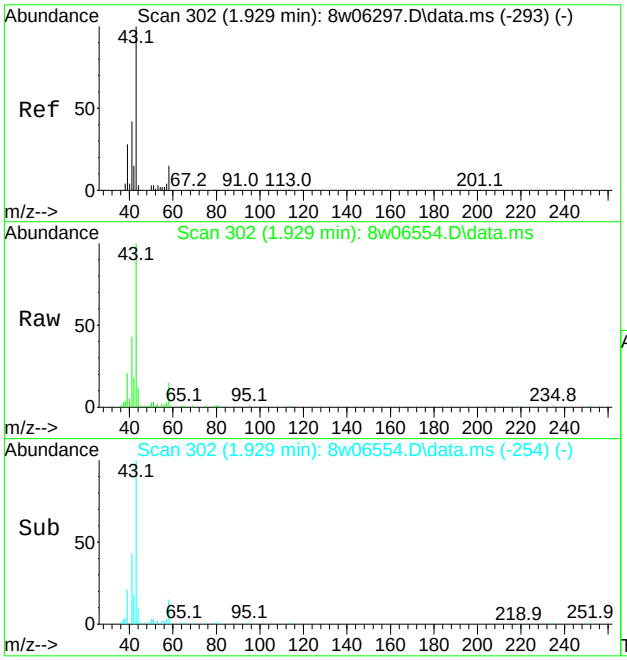


#10
CHLOROMETHANE
Concen: 2.7564 PPBV
RT: 1.807 min Scan# 282
Delta R.T. -0.006 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 52 Resp: 7342

Ion	Ratio	Lower	Upper
52	100		
50	625.9	256.0	384.0#
49	132.8	38.7	58.1#

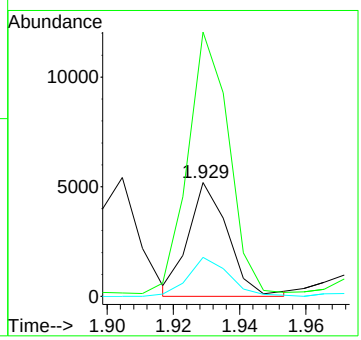


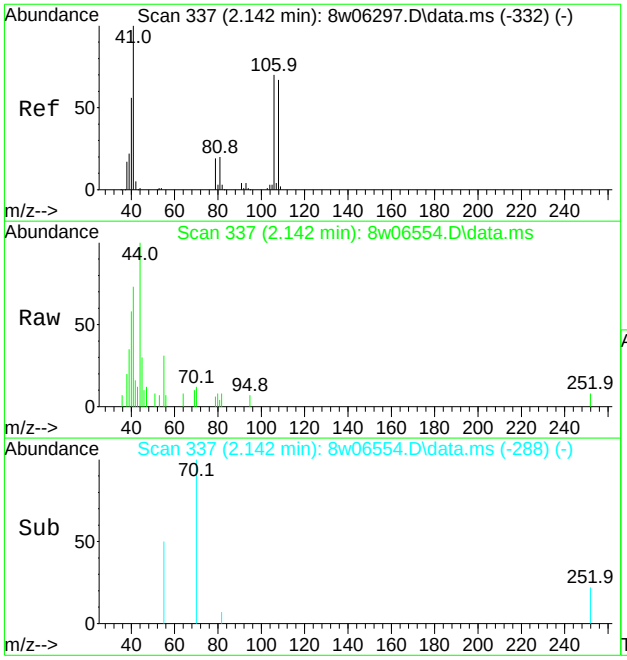


#13
N-BUTANE
Concen: 0.7248 PPBV m
RT: 1.929 min Scan# 302
Delta R.T. -0.006 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 41 Resp: 4325

Ion	Ratio	Lower	Upper
41	100		
43	0.0	196.6	295.0#
58	0.0	31.4	47.2#

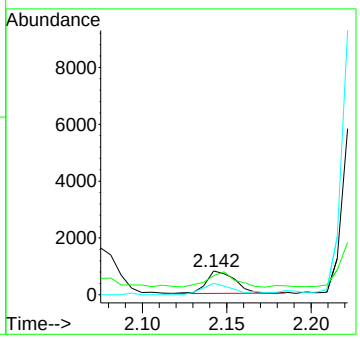


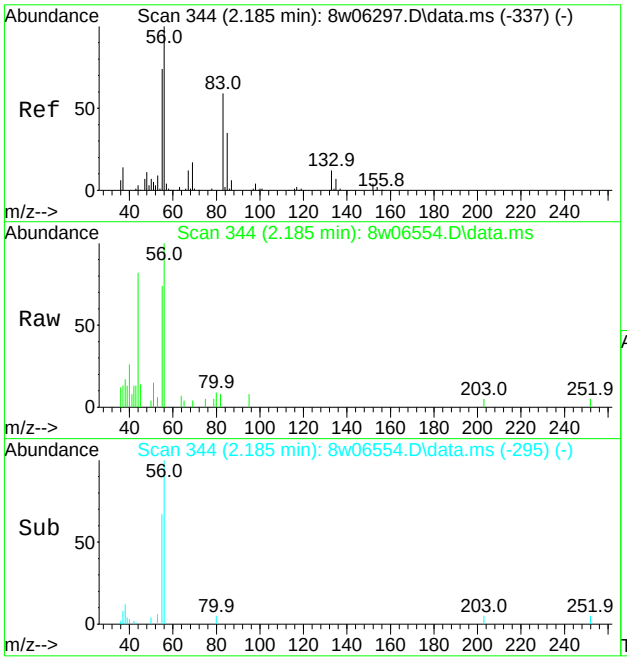


#17
ACETONITRILE
Concen: 0.1065 PPBV
RT: 2.142 min Scan# 337
Delta R.T. 0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 41 Resp: 939

Ion	Ratio	Lower	Upper
41	100		
40	80.9	44.3	66.5#
39	58.3	18.5	27.7#

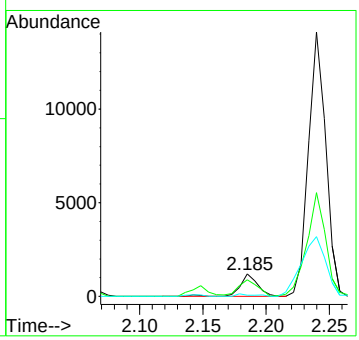


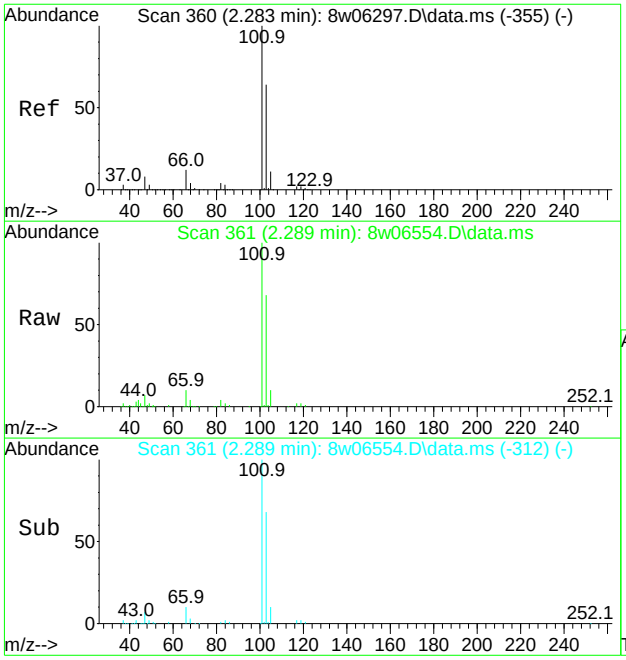


#18
ACROLEIN
Concen: 0.2753 PPBV
RT: 2.185 min Scan# 344
Delta R.T. -0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 56 Resp: 1143

Ion	Ratio	Lower	Upper
56	100		
55	131.6	59.2	88.8#
53	0.0	8.5	12.7#

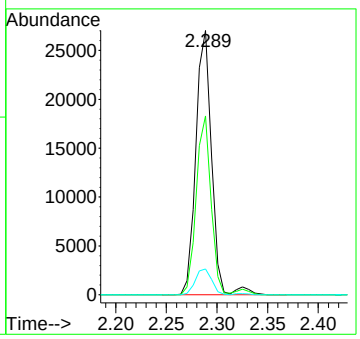


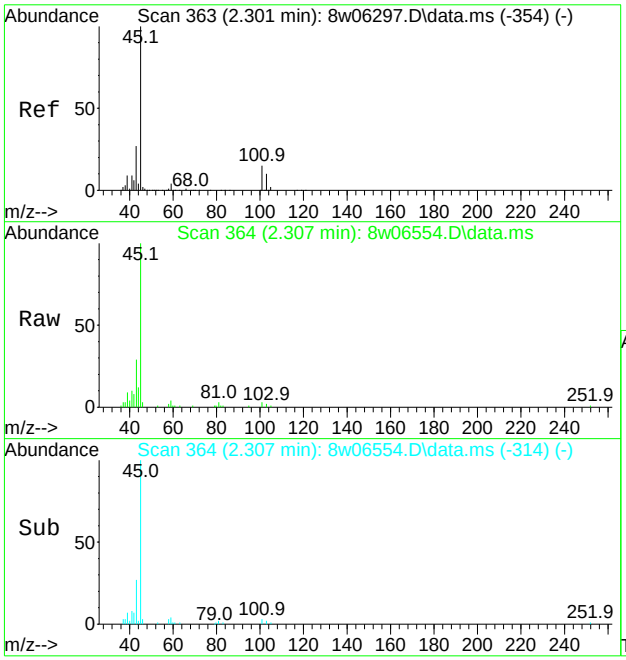


#21
TRICHLOROFLUOROMETHANE
Concen: 0.5564 PPBV
RT: 2.289 min Scan# 361
Delta R.T. -0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion:101 Resp: 29334

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.8	77.8
105	10.6	8.6	12.8

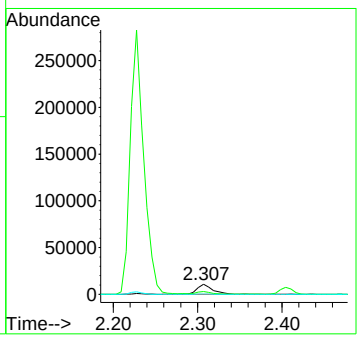


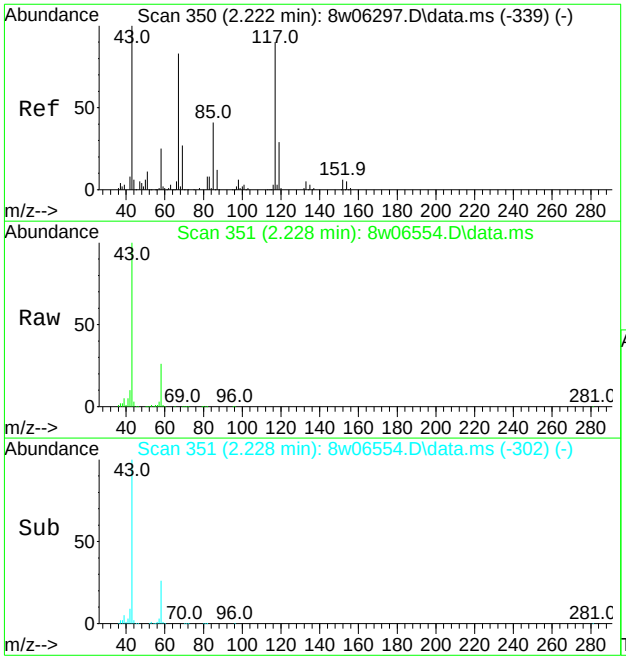


#22
ISOPROPYL ALCOHOL
Concen: 0.5894 PPBV
RT: 2.307 min Scan# 364
Delta R.T. 0.006 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 45 Resp: 13754

Ion	Ratio	Lower	Upper
45	100		
43	28.1	20.9	31.3
59	3.1	3.4	5.2#

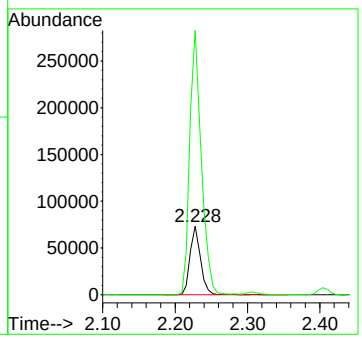


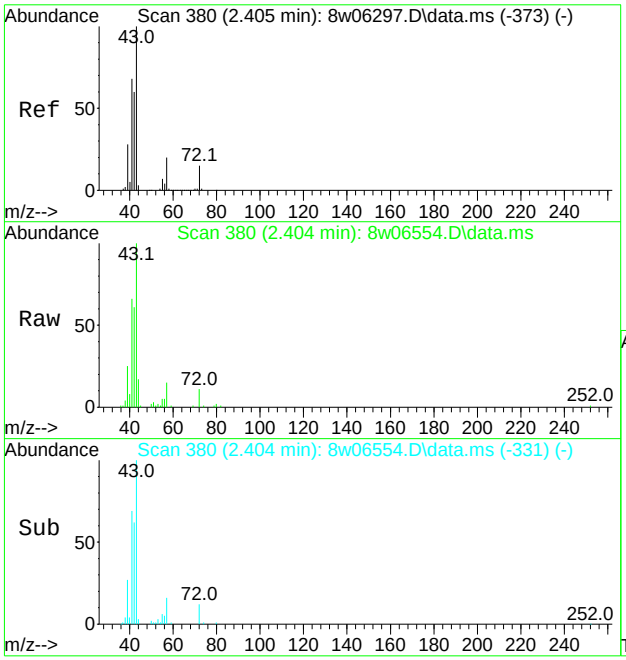


#23
ACETONE
Concen: 11.4324 PPBV
RT: 2.228 min Scan# 351
Delta R.T. -0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 58 Resp: 74479

Ion	Ratio	Lower	Upper
58	100		
43	422.7	289.4	434.2

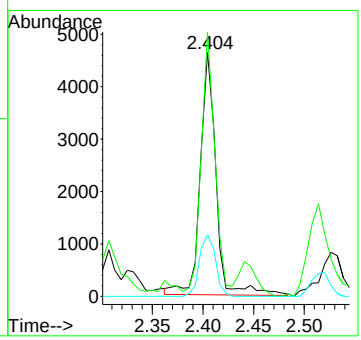


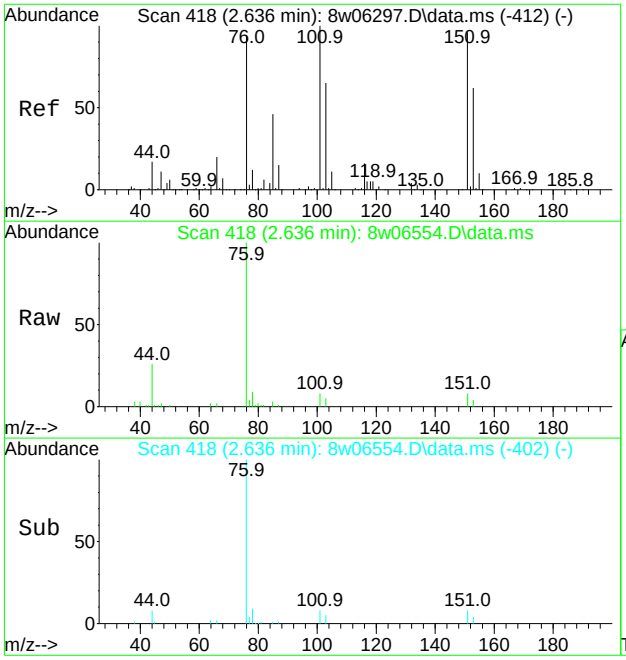


#24
PENTANE
Concen: 0.5041 PPBV
RT: 2.404 min Scan# 380
Delta R.T. 0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 42 Resp: 5023

Ion	Ratio	Lower	Upper
42	100		
41	118.9	84.9	127.3
57	26.0	27.6	41.4#

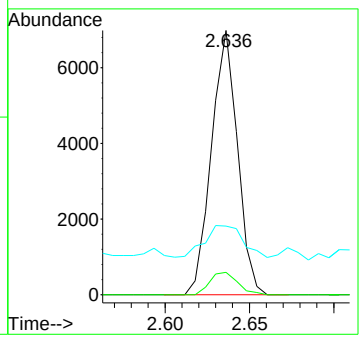


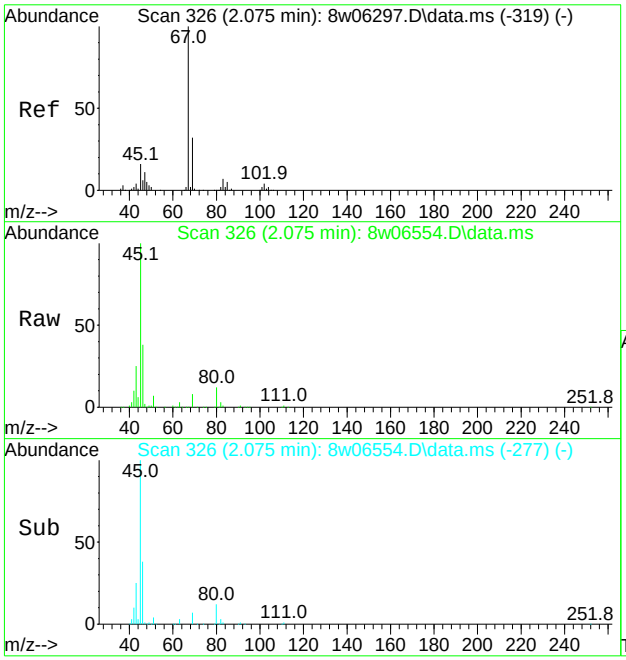


#27
CARBON DISULFIDE
Concen: 0.2571 PPBV
RT: 2.636 min Scan# 418
Delta R.T. 0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 76 Resp: 7497

Ion	Ratio	Lower	Upper
76	100		
78	9.2	10.0	15.0#
44	23.9	12.8	19.2#

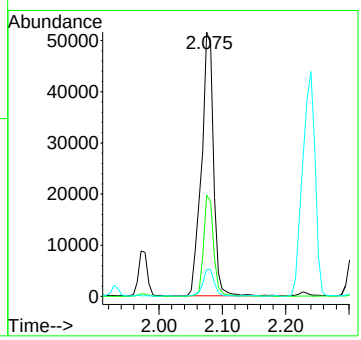


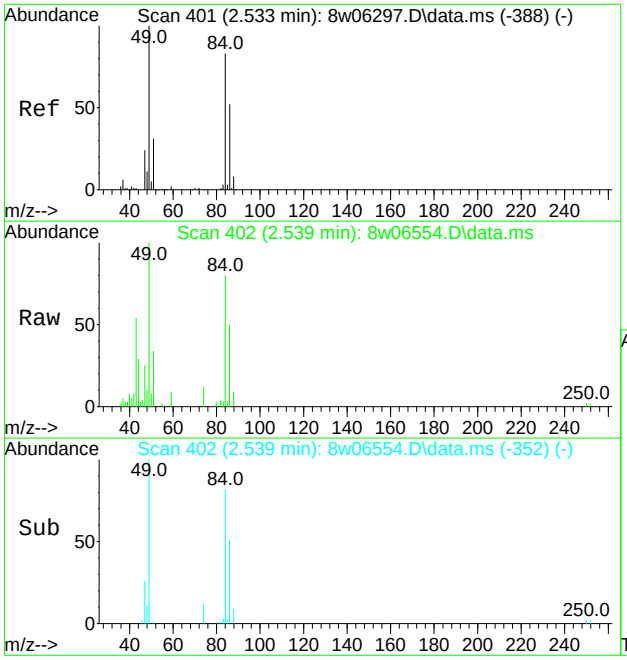


#28
ETHANOL
Concen: 13.6757 PPBV
RT: 2.075 min Scan# 326
Delta R.T. 0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 45 Resp: 68228

Ion	Ratio	Lower	Upper
45	100		
46	31.8	29.8	44.6
42	10.3	8.8	13.2

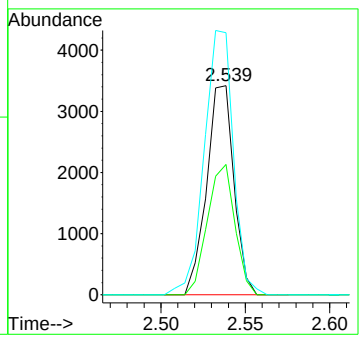


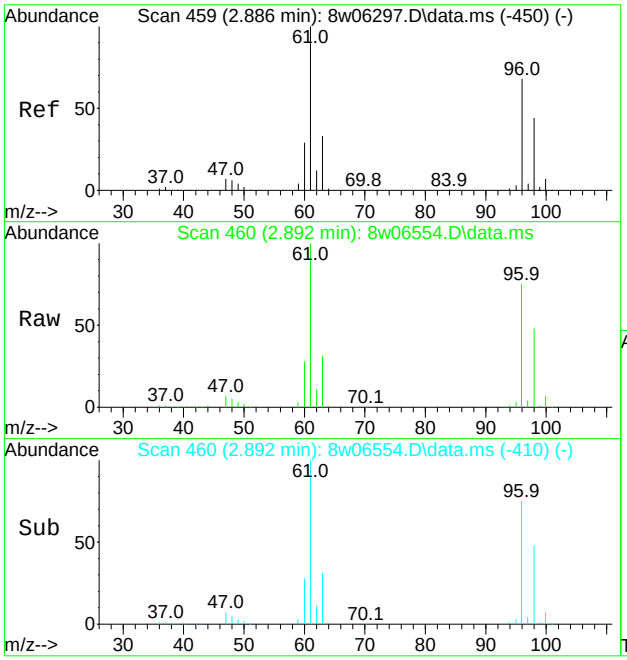


#31
METHYLENE CHLORIDE
Concen: 0.3177 PPBV
RT: 2.539 min Scan# 402
Delta R.T. 0.007 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 84 Resp: 3860

Ion	Ratio	Lower	Upper
84	100		
86	62.5	50.4	75.6
49	134.3	99.5	149.3

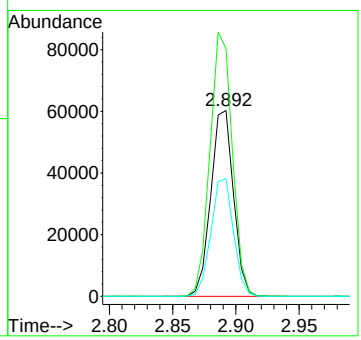


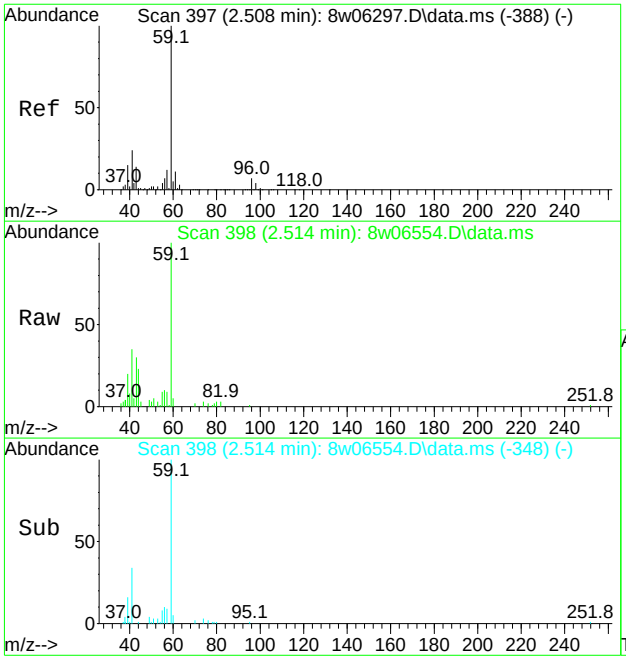


#34
TRANS-1,2-DICHLOROETHENE
Concen: 3.8740 PPBV
RT: 2.892 min Scan# 460
Delta R.T. 0.006 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 96 Resp: 74824

Ion	Ratio	Lower	Upper
96	100		
61	140.1	131.7	197.5
98	63.1	51.2	76.8

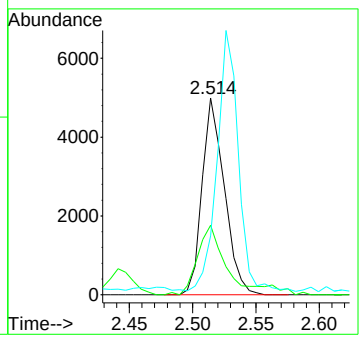


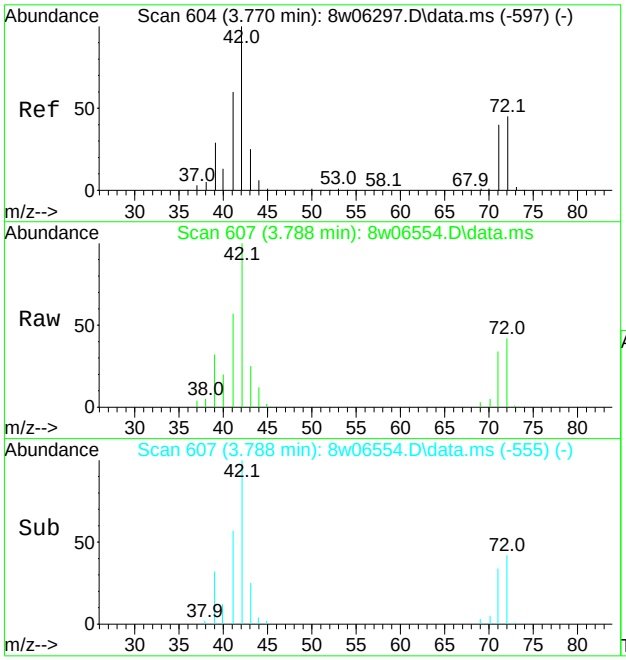


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.2366 PPBV
RT: 2.514 min Scan# 398
Delta R.T. 0.006 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 59 Resp: 6108

Ion	Ratio	Lower	Upper
59	100		
41	47.6	20.0	30.0#
43	129.8	11.0	16.4#

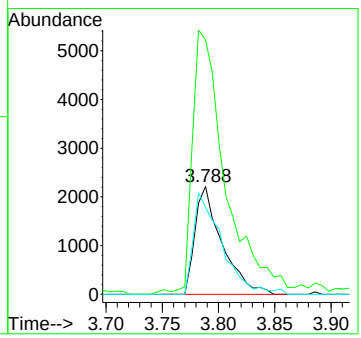


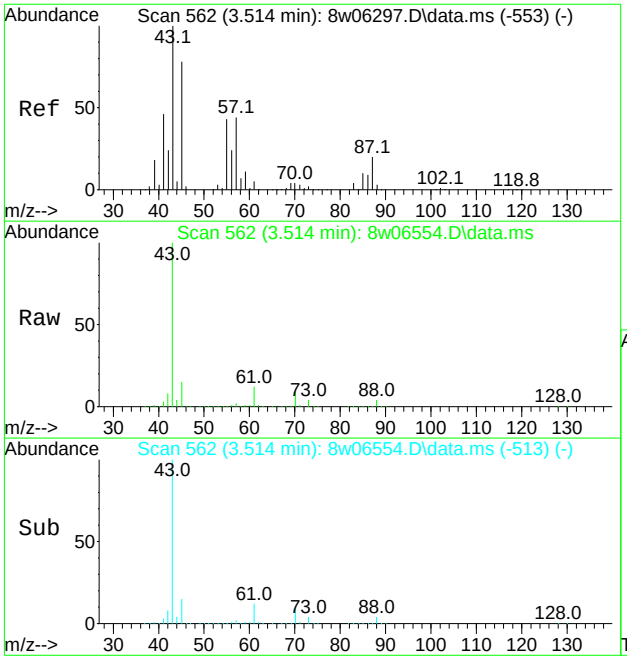


#37
TETRAHYDROFURAN
Concen: 0.4553 PPBV
RT: 3.788 min Scan# 607
Delta R.T. 0.018 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 72 Resp: 3702

Ion	Ratio	Lower	Upper
72	100		
42	314.7	203.1	304.7#
71	99.4	76.2	114.2

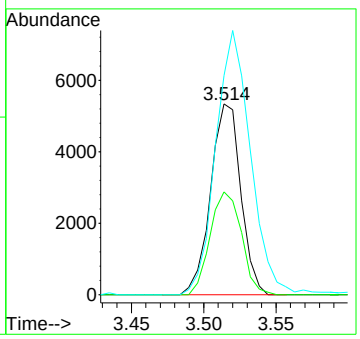


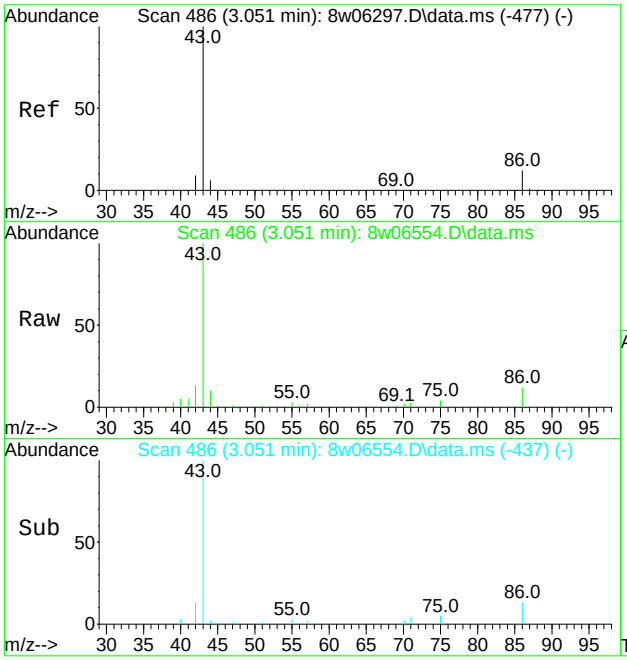


#38
HEXANE
Concen: 0.2799 PPBV
RT: 3.514 min Scan# 562
Delta R.T. 0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 57 Resp: 7763

Ion	Ratio	Lower	Upper
57	100		
56	55.7	45.3	67.9
41	161.2	89.0	133.4#

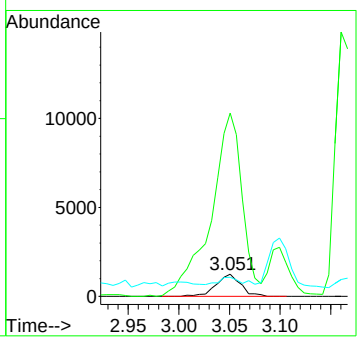


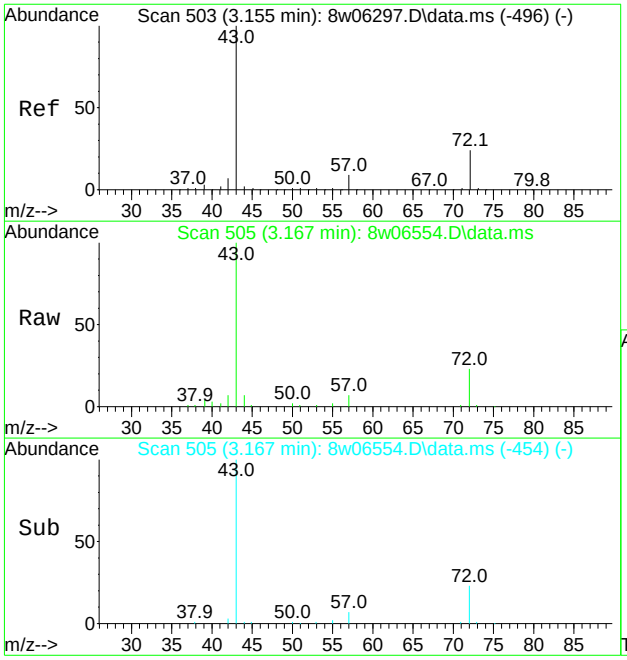


#39
VINYL ACETATE
Concen: 0.4571 PPBV
RT: 3.051 min Scan# 486
Delta R.T. -0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 86 Resp: 2108

Ion	Ratio	Lower	Upper
86	100		
43	1051.9	1069.8	1604.6#
44	71.3	53.8	80.6

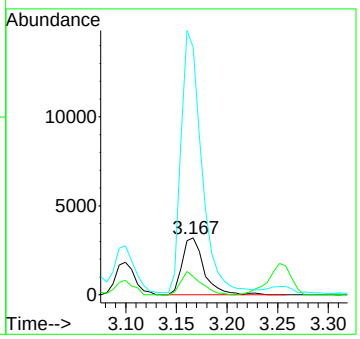


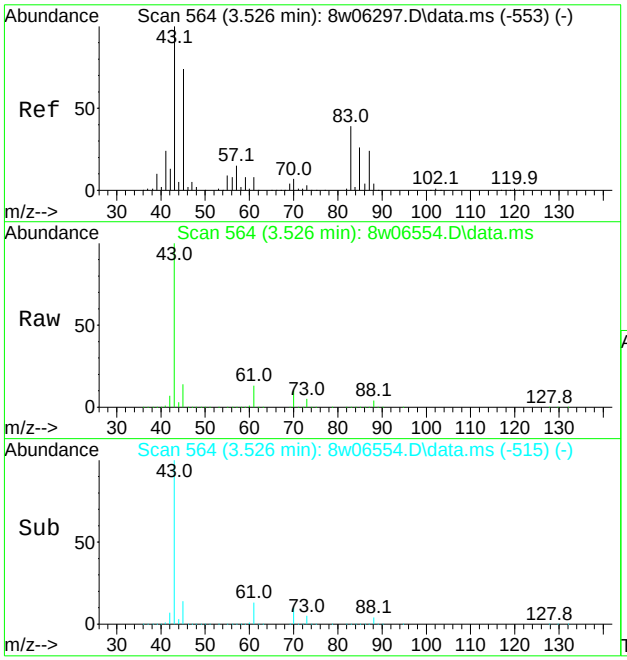


#41
METHYL ETHYL KETONE
Concen: 0.5874 PPBV
RT: 3.167 min Scan# 505
Delta R.T. 0.013 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 72 Resp: 4814

Ion	Ratio	Lower	Upper
72	100		
57	37.2	32.1	48.1
43	443.6	363.4	545.0

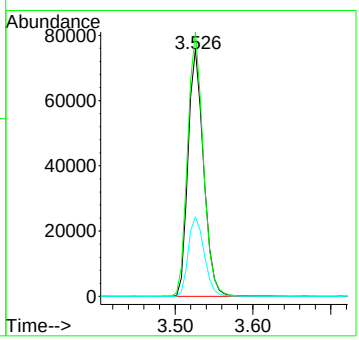


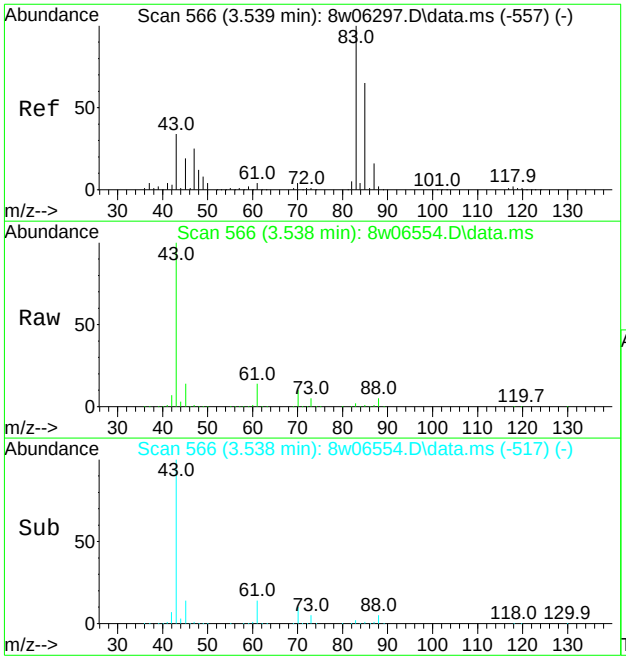


#44
ETHYL ACETATE
Concen: 18.7546 PPBV
RT: 3.526 min Scan# 564
Delta R.T. 0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 61 Resp: 104783

Ion	Ratio	Lower	Upper
61	100		
45	108.6	901.9	1352.9#
88	33.1	36.9	55.3#

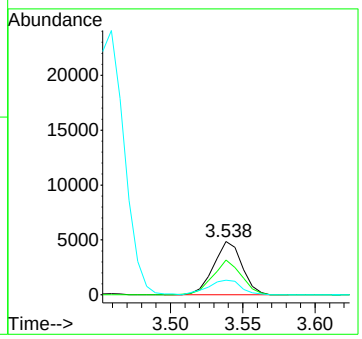


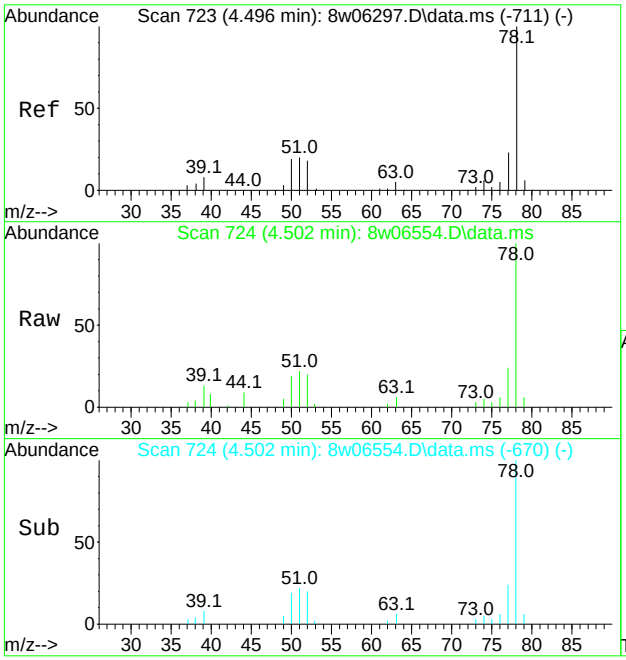


#46
CHLOROFORM
Concen: 0.1475 PPBV
RT: 3.538 min Scan# 566
Delta R.T. 0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 83 Resp: 6621

Ion	Ratio	Lower	Upper
83	100		
85	65.8	61.3	91.9
47	32.3	21.1	31.7#

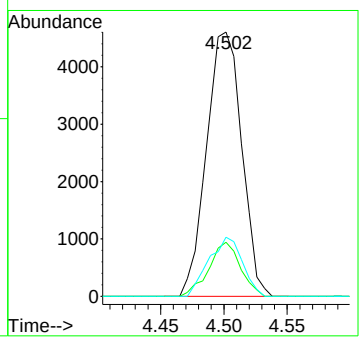


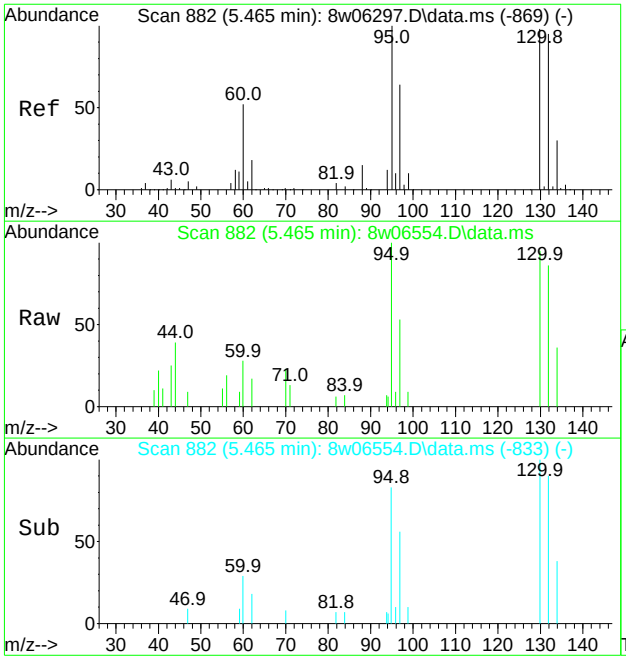


#51
BENZENE
Concen: 0.1632 PPBV
RT: 4.502 min Scan# 724
Delta R.T. -0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 78 Resp: 8873

Ion	Ratio	Lower	Upper
78	100		
52	18.4	0.8	40.8
51	21.5	2.6	42.6

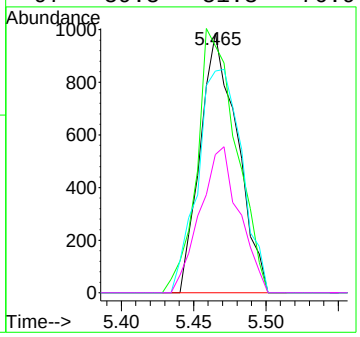


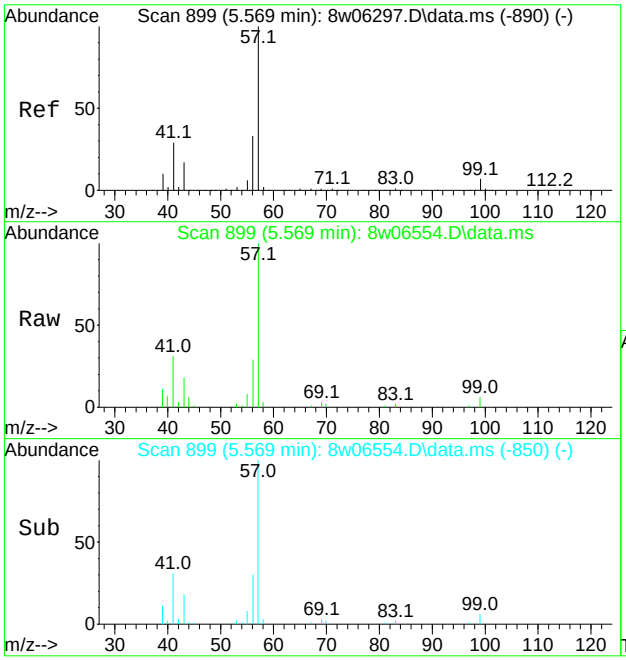


#55
TRICHLOROETHENE
Concen: 0.0634 PPBV
RT: 5.465 min Scan# 882
Delta R.T. -0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 95 Resp: 1756

Ion	Ratio	Lower	Upper
95	100		
130	108.2	76.2	114.2
132	102.4	72.4	108.6
97	59.5	51.3	76.9

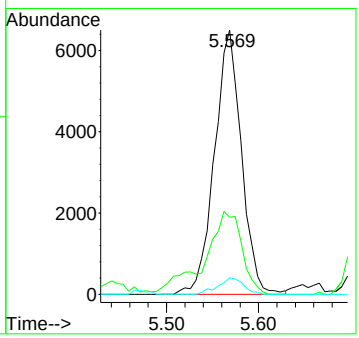


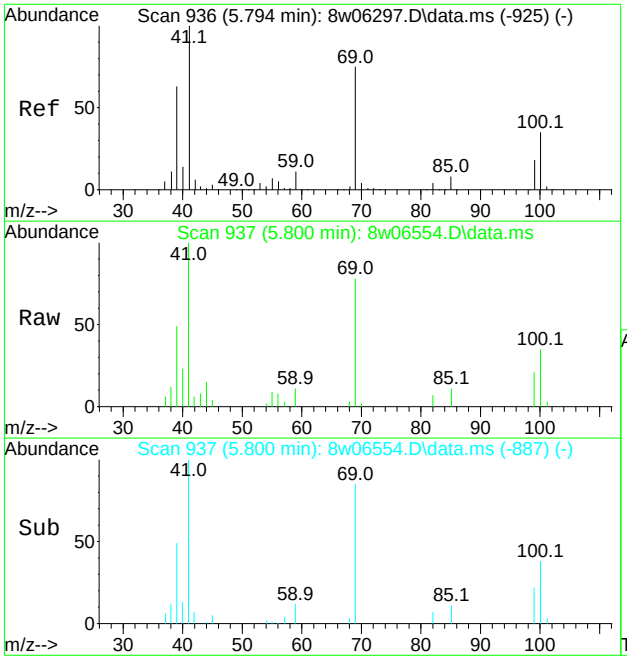


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1458 PPBV
RT: 5.569 min Scan# 899
Delta R.T. -0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 57 Resp: 13238

Ion	Ratio	Lower	Upper
57	100		
56	44.1	25.5	38.3#
99	6.0	4.6	6.8

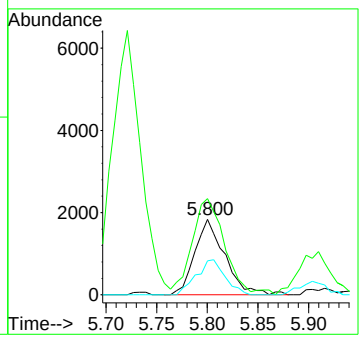


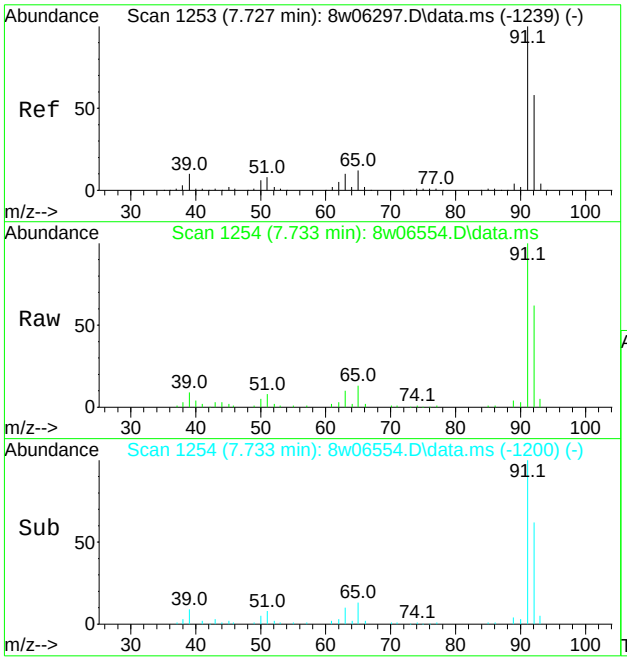


#63
METHYL METHACRYLATE
Concen: 0.2148 PPBV
RT: 5.800 min Scan# 937
Delta R.T. 0.006 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 69 Resp: 3806

Ion	Ratio	Lower	Upper
69	100		
41	139.5	114.9	172.3
100	44.0	34.3	51.5

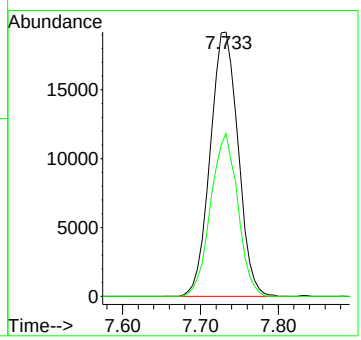


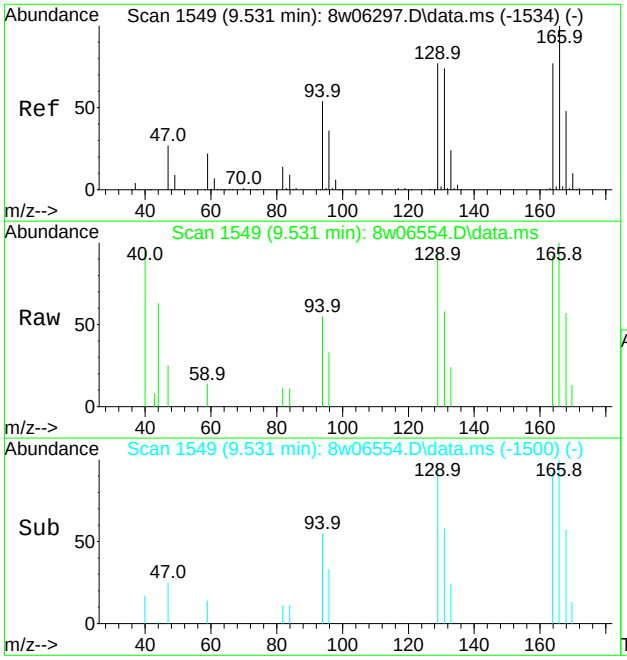


#66
TOLUENE
Concen: 0.7418 PPBV
RT: 7.733 min Scan# 1254
Delta R.T. -0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 91 Resp: 47585

Ion	Ratio	Lower	Upper
91	100		
92	59.8	39.2	79.2

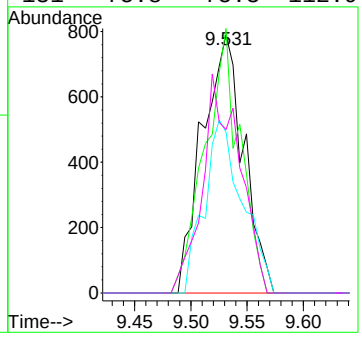


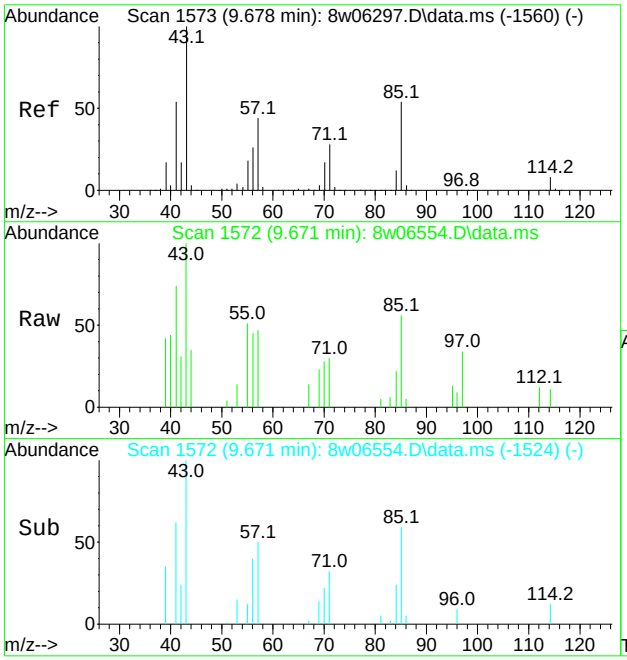


#72
TETRACHLOROETHENE
Concen: 0.0641 PPBV
RT: 9.531 min Scan# 1549
Delta R.T. 0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion:164 Resp: 2011

Ion	Ratio	Lower	Upper
164	100		
129	87.4	78.6	118.0
168	62.5	49.2	73.8
131	75.8	75.3	112.9

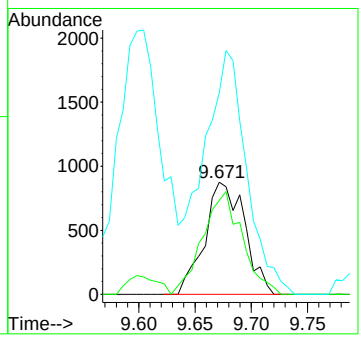


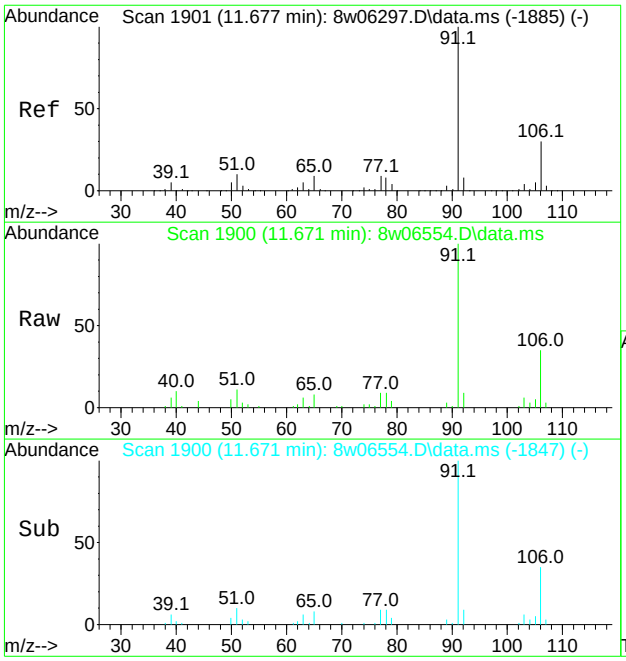


#75
OCTANE
Concen: 0.1150 PPBV
RT: 9.671 min Scan# 1572
Delta R.T. -0.007 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 85 Resp: 2162

Ion	Ratio	Lower	Upper
85	100		
57	89.6	74.2	111.2
43	237.7	167.7	251.5

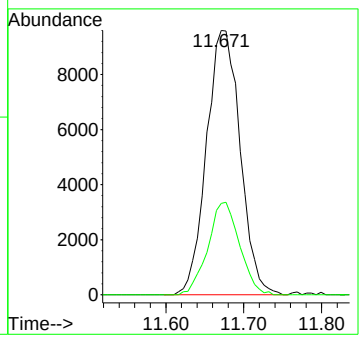


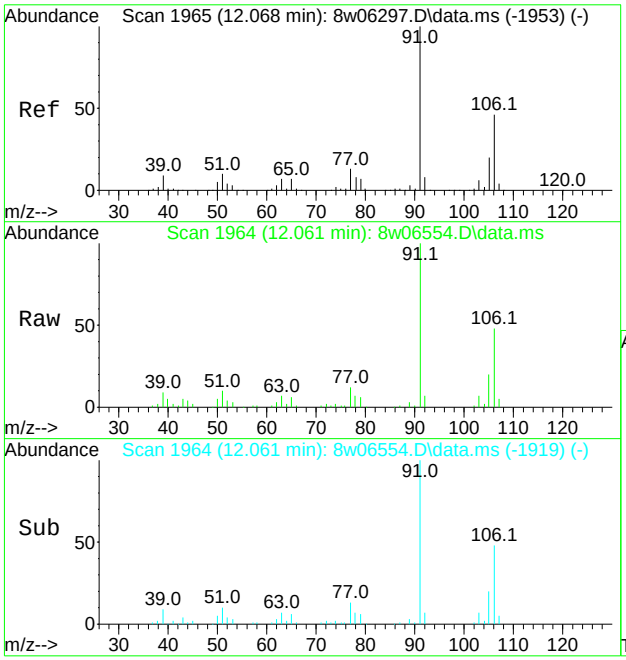


#79
ETHYLBENZENE
Concen: 0.3425 PPBV
RT: 11.671 min Scan# 1900
Delta R.T. -0.006 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 91 Resp: 28722

Ion	Ratio	Lower	Upper
91	100		
106	32.8	9.6	49.6

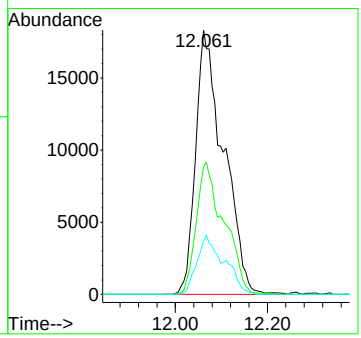


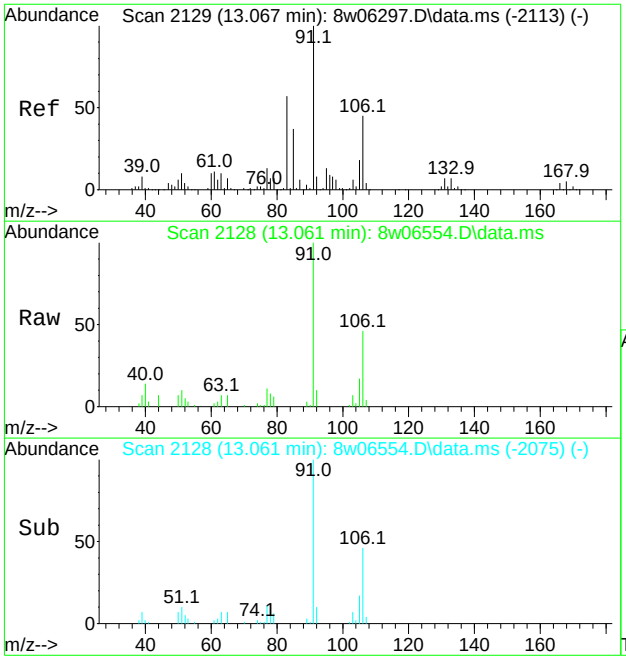


#80
M,P-XYLENE
Concen: 1.1179 PPBV
RT: 12.061 min Scan# 1964
Delta R.T. -0.055 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 91 Resp: 77180

Ion	Ratio	Lower	Upper
91	100		
106	49.8	1.6	41.6#
105	21.7	0.8	40.8

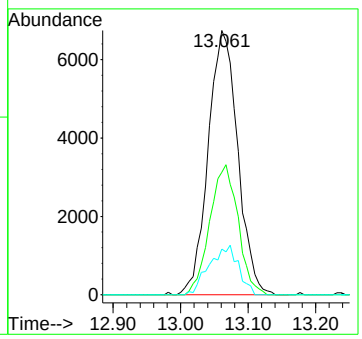


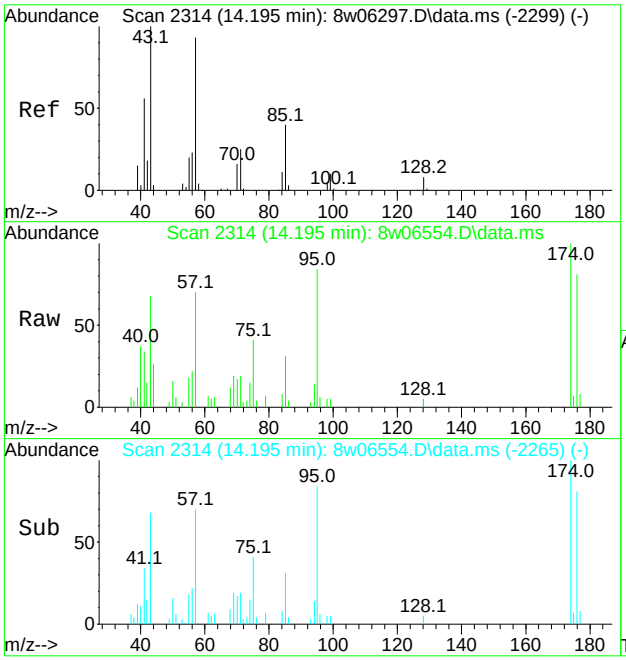


#81
O-XYLENE
Concen: 0.3044 PPBV
RT: 13.061 min Scan# 2128
Delta R.T. -0.006 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 91 Resp: 20536

Ion	Ratio	Lower	Upper
91	100		
106	46.3	33.4	50.0
105	17.3	13.9	20.9

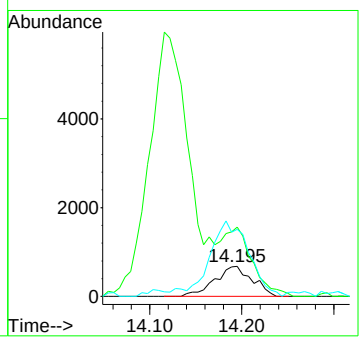




#83
NONANE
Concen: 0.1264 PPBV
RT: 14.195 min Scan# 2314
Delta R.T. 0.000 min
Lab File: 8w06554.D
Acq: 01 Aug 2024 06:27 am

Tgt Ion: 85 Resp: 1916

Ion	Ratio	Lower	Upper
85	100		
57	0.0	229.3	343.9#
43	284.8	229.5	344.3



Manual Integration Approval Summary

Sample Number:	JD91960-2	**Method:**	TO-15
Lab FileID:	8W06554.D	**Analyst approved:**	08/01/24 15:22 Geralyn Gomez
Injection Time:	08/01/24 06:27	**Supervisor approved:**	08/01/24 20:57 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
n-Butane	106-97-8		1.93	Overlapping peak

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06497.D
Acq On : 30 Jul 2024 08:05 am
Operator : benk
Sample : mb Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 04:45:11 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

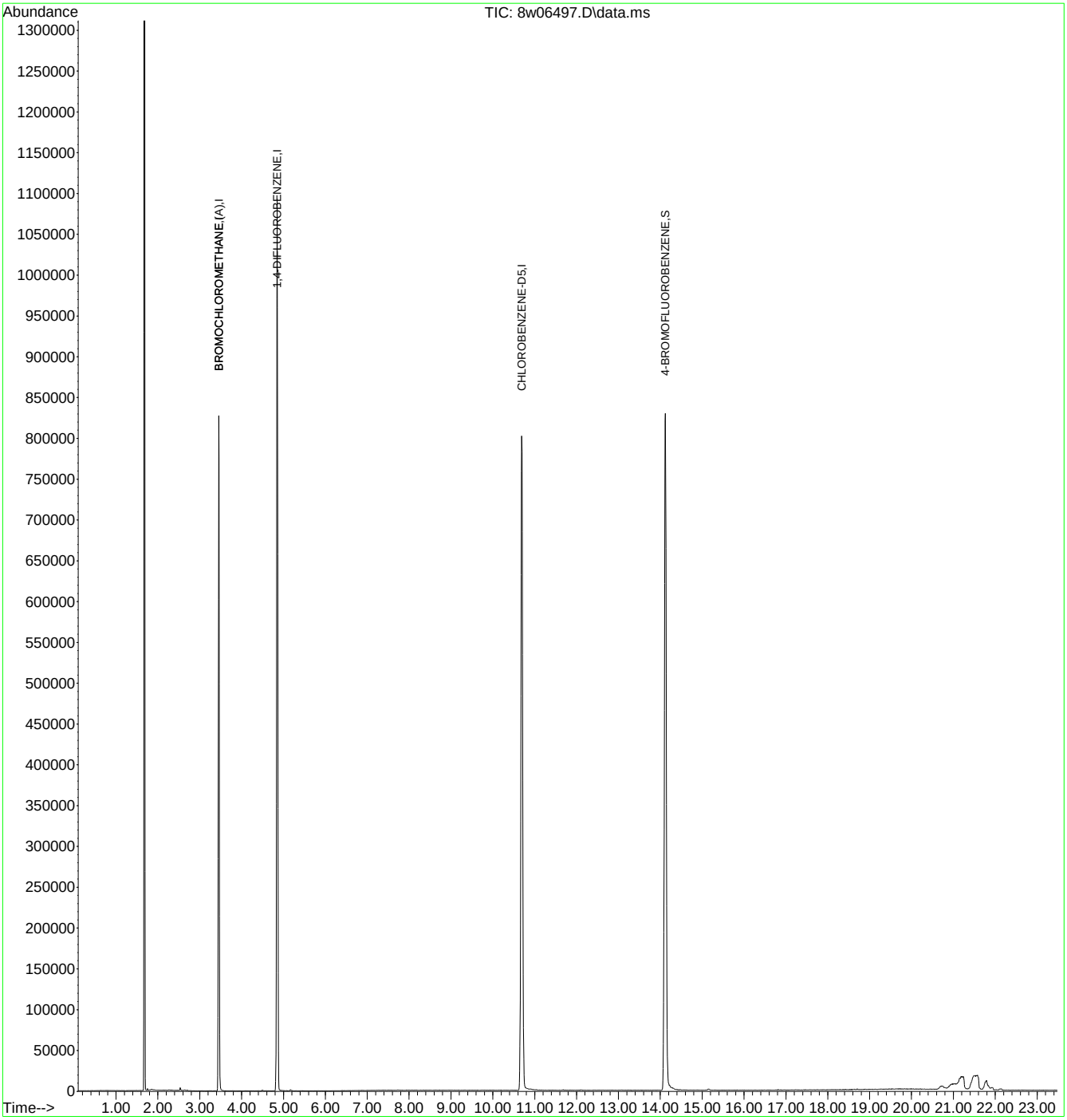
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.453	128	194617	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	902831	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.690	117	795739	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.453	128	194617	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.116	95	528325	7.92	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06497.D
Acq On : 30 Jul 2024 08:05 am
Operator : benk
Sample : mb Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 04:45:11 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\August\01 August 2024\v8w250\
Data File : 8w06533.D
Acq On : 31 Jul 2024 04:33 pm
Operator : thomash
Sample : mb
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 01 11:17:36 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	3.453	128	220988	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	1008895	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.690	117	867022	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.453	128	220988	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.116	95	619613	8.53	PPBV	0.00

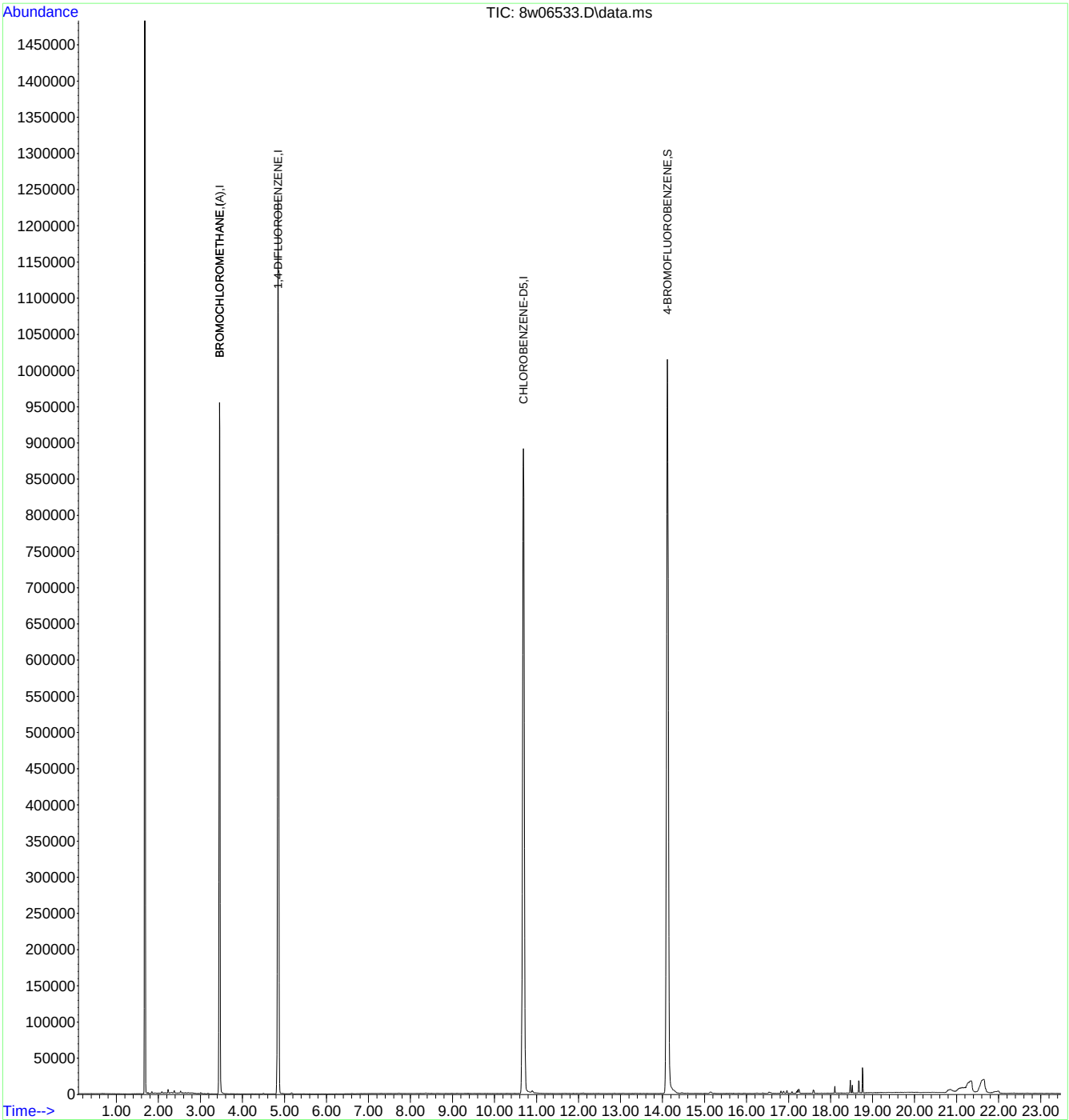
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\August\01 August 2024\v8w250\
Data File : 8w06533.D
Acq On : 31 Jul 2024 04:33 pm
Operator : thomash
Sample : mb
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 01 11:17:36 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05816.D
Acq On : 30 Mar 2024 1:45 pm
Operator : taylors
Sample : mb
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 01 17:43:35 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

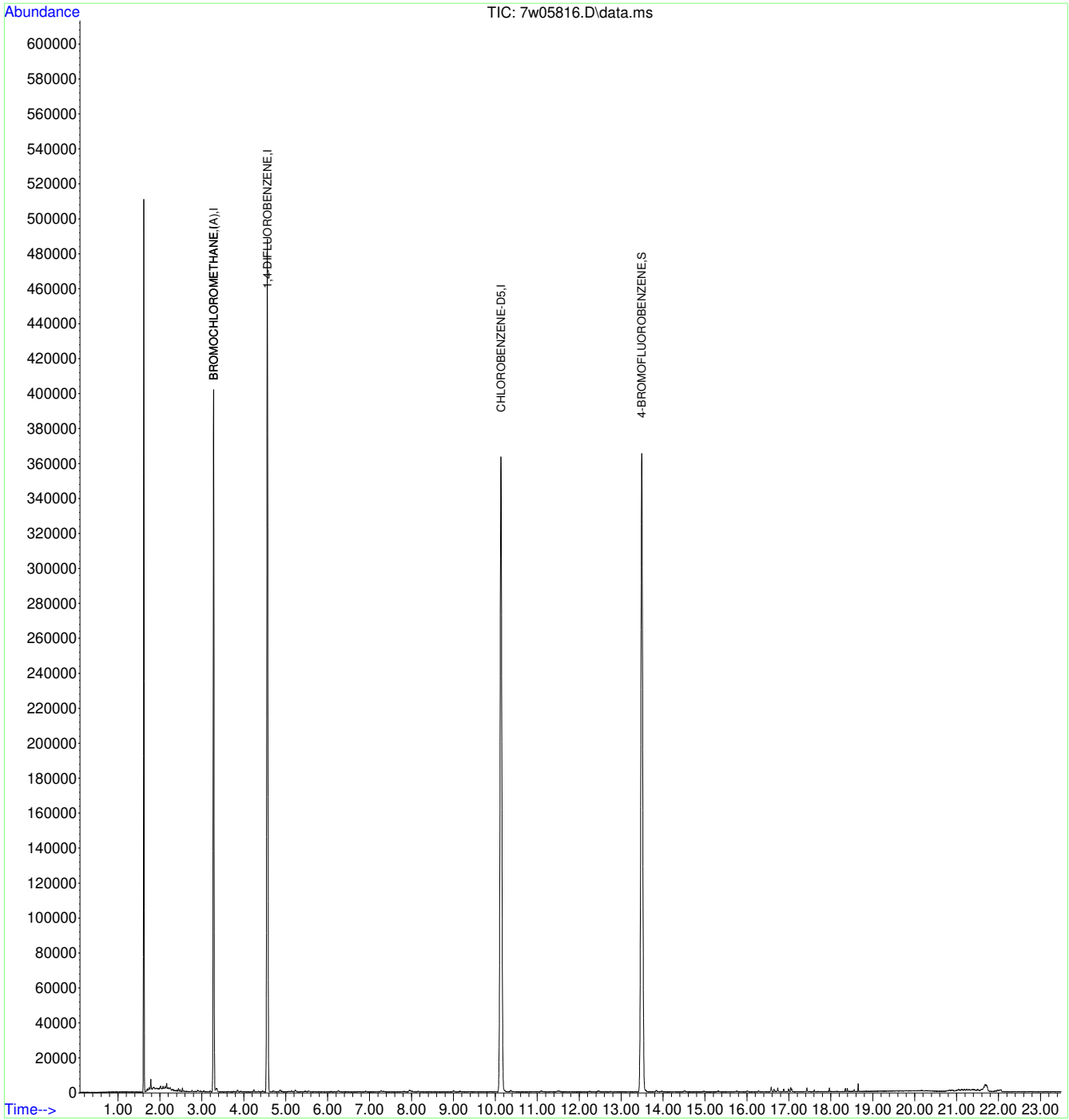
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.283	128	77817	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	382389	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.135	117	351165	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.283	128	77817	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.489	95	230009	8.74	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05816.D
Acq On : 30 Mar 2024 1:45 pm
Operator : taylors
Sample : mb
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 01 17:43:35 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w06248.D
Acq On : 19 Apr 2024 11:05 pm
Operator : benk
Sample : mb
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 20 08:47:13 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

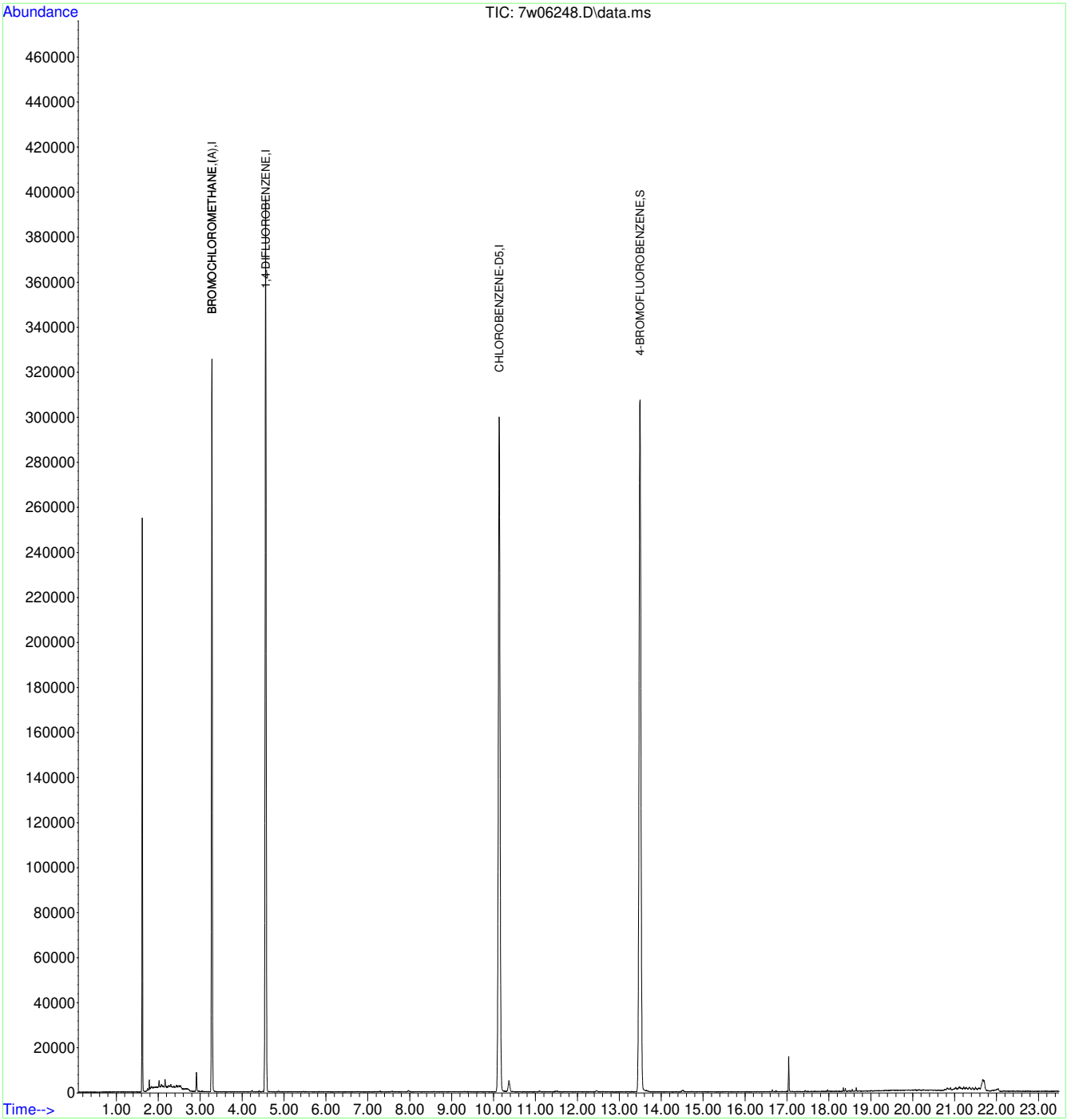
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.280	128	67040	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	317657	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.135	117	298048	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.280	128	67040	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.495	95	202679	9.07	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w06248.D
Acq On : 19 Apr 2024 11:05 pm
Operator : benk
Sample : mb
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 20 08:47:13 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/31/24 11:17

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06490.D
Acq On : 30 Jul 2024 03:43 am
Operator : benk
Sample : bs Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:36:37 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.459	128	198923	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.855	114	919086	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.696	117	836312	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	198923	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.122	95	604913	8.63	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.691	119	114330	13.7532	PPBV	93
3) FREON 152A	1.722	65	110604	10.5195	PPBV	85
4) CHLORODIFLUOROMETHANE	1.734	67	53607	8.5273	PPBV	76
5) CHLOROTRIFLUOROETHENE	1.746	116	291758	12.5553	PPBV	78
6) DICHLORODIFLUOROMETHANE	1.764	85	479399	9.7478	PPBV	99
7) PROPYLENE	1.746	41	124914	9.3821	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	309301	8.9775	PPBV #	99
9) FREON 114	1.844	85	347495	10.9221	PPBV	98
10) CHLOROMETHANE	1.813	52	25171	10.4669	PPBV #	49
11) VINYL CHLORIDE	1.874	62	99286	9.7554	PPBV	98
12) 1,3-BUTADIENE	1.917	54	73122	10.0631	PPBV	99
13) N-BUTANE	1.935	41	50754	9.4213	PPBV	95
14) BROMOMETHANE	1.996	94	108562	10.0921	PPBV	99
15) CHLOROETHANE	2.045	64	52666	9.1935	PPBV	98
16) DICHLOROFLUOROMETHANE	2.075	67	262674	9.5533	PPBV	99
17) ACETONITRILE	2.142	41	69390	8.7211	PPBV	99
18) ACROLEIN	2.185	56	41074	10.9587	PPBV	98
19) FREON 123	2.197	83	274721	10.0335	PPBV	98
20) FREON 123A	2.222	117	220511	11.1293	PPBV	86
21) TRICHLOROFLUOROMETHANE	2.289	101	462226	9.7107	PPBV	100
22) ISOPROPYL ALCOHOL	2.301	45	197642	9.3815	PPBV	99
23) ACETONE	2.228	58	49136	8.3540	PPBV	96
24) PENTANE	2.405	42	91954	10.2218	PPBV	95
25) IODOMETHANE	2.466	142	385930	12.0389	PPBV	92
26) 1,1-DICHLOROETHYLENE	2.496	96	118927	10.3300	PPBV	91
27) CARBON DISULFIDE	2.636	76	266557	10.1231	PPBV	99
28) ETHANOL	2.075	45	44328	9.8414	PPBV	98
29) BROMOETHENE	2.155	106	123164	10.9319	PPBV	97
30) ACRYLONITRILE	2.374	52	68967	8.3947	PPBV	98
31) METHYLENE CHLORIDE	2.533	84	96665	8.8135	PPBV	99
32) 3-CHLOROPROPENE	2.575	76	48734	8.8082	PPBV	96
33) FREON 113	2.636	151	271857	11.3121	PPBV	90
34) TRANS-1,2-DICHLOROETHENE	2.886	96	205890	11.8070	PPBV	86
35) TERTIARY BUTYL ALCOHOL	2.508	59	209805	9.0035	PPBV	98
36) METHYL TERTIARY BUTYL ...	3.008	73	493096	10.6163	PPBV	99
37) TETRAHYDROFURAN	3.770	72	84317	11.4856	PPBV	92
38) HEXANE	3.514	57	276620	11.0456	PPBV	96
39) VINYL ACETATE	3.051	86	47666	11.4473	PPBV	71
40) 1,1-DICHLOROETHANE	2.972	63	337049	10.5962	PPBV	99
41) METHYL ETHYL KETONE	3.154	72	88295	11.9334	PPBV	88
42) CIS-1,2-DICHLOROETHENE	3.374	96	212124	12.1037	PPBV	86
43) DIISOPROPYL ETHER	3.520	45	610851	11.1489	PPBV	98
44) ETHYL ACETATE	3.526	61	55564	11.0154	PPBV	94
45) METHYL ACRYLATE	3.508	55	355619	11.0201	PPBV #	99
46) CHLOROFORM	3.539	83	419958	10.3600	PPBV	97
47) 2,4-DIMETHYLPENTANE	4.081	57	350903	11.0363	PPBV	98
48) 1,1,1-TRICHLOROETHANE	4.166	97	479175	10.6172	PPBV	98
49) CARBON TETRACHLORIDE	4.624	117	544038	12.1615	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06490.D
Acq On : 30 Jul 2024 03:43 am
Operator : benk
Sample : bs Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:36:37 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.984	62	311333	9.3824	PPBV	#	98
51)	BENZENE	4.502	78	553393	11.2759	PPBV		94
53)	CYCLOHEXANE	4.727	84	257647	13.2502	PPBV		89
54)	2,3-DIMETHYLPENTANE	5.002	71	121628	12.2317	PPBV		85
55)	TRICHLOROETHENE	5.465	95	291083	11.7013	PPBV	#	86
56)	1,2-DICHLOROPROPANE	5.215	63	208618	11.3488	PPBV		94
57)	DIBROMOMETHANE	5.172	174	306712	12.1650	PPBV		88
58)	ETHYL ACRYLATE	5.343	55	473121	12.1754	PPBV		98
59)	BROMODICHLOROMETHANE	5.410	83	462277	11.3190	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.569	57	943040	11.5697	PPBV		99
61)	1,4-DIOXANE	5.483	88	144540	13.1349	PPBV		89
62)	HEPTANE	5.904	57	187813	11.9747	PPBV		97
63)	METHYL METHACRYLATE	5.794	69	206084	12.9551	PPBV		92
64)	METHYL ISOBUTYL KETONE	6.575	58	191122	12.3867	PPBV	#	1
65)	CIS-1,3-DICHLOROPROPENE	6.465	75	342498	12.6711	PPBV		95
66)	TOLUENE	7.733	91	737986	12.8112	PPBV		99
67)	1,3-DICHLOROPROPANE	7.794	76	356800	11.7438	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.178	75	301393	11.7025	PPBV		97
69)	1,1,2-TRICHLOROETHANE	7.343	83	215200	12.3264	PPBV		98
70)	2-HEXANONE	8.324	58	252613	12.5405	PPBV		98
71)	ETHYL METHACRYLATE	8.458	69	342903	12.7078	PPBV		96
72)	TETRACHLOROETHENE	9.531	164	371197	13.1737	PPBV		96
73)	DIBROMOCHLOROMETHANE	8.288	129	507865	13.8648	PPBV		99
74)	1,2-DIBROMOETHANE	8.647	107	447416	13.5786	PPBV		100
75)	OCTANE	9.678	85	238721	14.1435	PPBV		90
77)	1,1,1,2-TETRACHLOROETHANE	10.787	131	385594	13.3404	PPBV		99
78)	CHLOROBENZENE	10.775	112	659747	13.0820	PPBV		91
79)	ETHYLBENZENE	11.677	91	1032376	12.8885	PPBV		94
80)	M,P-XYLENE	12.116	91	1604505	24.3277	PPBV		95
81)	O-XYLENE	13.067	91	813027	12.6169	PPBV		93
82)	STYRENE	12.854	104	638450	15.0008	PPBV		93
83)	NONANE	14.195	85	183546	12.6715	PPBV		84
84)	BROMOFORM	11.927	173	533285	15.0636	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	13.080	83	530466	12.3410	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.366	75	433192	11.1398	PPBV		95
88)	ISOPROPYLBENZENE	14.604	120	326408	14.0521	PPBV	#	80
89)	BROMOBENZENE	14.476	77	538251	11.0369	PPBV	#	80
90)	2-CHLOROTOLUENE	15.622	126	310491	14.3220	PPBV		76
91)	N-PROPYLBENZENE	15.951	120	340929	15.0229	PPBV		77
92)	4-ETHYLTOLUENE	16.250	105	1217582	13.8079	PPBV		95
93)	1,3,5-TRIMETHYLBENZENE	16.390	105	1022935	13.4028	PPBV		93
94)	ALPHA-METHYLSTYRENE	16.573	118	498434	14.1511	PPBV		95
95)	TERT-BUTYLBENZENE	16.817	134	231595	14.7016	PPBV	#	73
96)	1,2,4-TRIMETHYLBENZENE	16.823	105	973684	12.8267	PPBV		93
97)	BENZYL CHLORIDE	16.902	91	589070	11.5353	PPBV		95
98)	M-DICHLOROBENZENE	16.878	146	706020	13.1153	PPBV		95
99)	P-DICHLOROBENZENE	16.957	146	711643	13.5604	PPBV		97
100)	O-DICHLOROBENZENE	17.231	146	653640	12.9456	PPBV		96
101)	SEC-BUTYLBENZENE	17.079	134	294318	14.4807	PPBV		80
102)	1,2,3-TRIMETHYLBENZENE	17.182	105	967327	12.1554	PPBV		93
103)	P-ISOPROPYLTOLUENE	17.243	134	310273	13.8270	PPBV	#	81
104)	N-BUTYLBENZENE	17.567	134	303203	13.7012	PPBV		74
105)	HEXACHLOROETHANE	17.737	117	402019	14.4055	PPBV		98
106)	HEXACHLOROBUTADIENE	18.700	225	561007	10.0738	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.420	180	608819	11.5732	PPBV		99
108)	NAPHTHALENE	18.463	128	1123333	11.8132	PPBV		99
110)	TVHC as equiv Pentane	2.405	TIC	486900m	10.4007	PPBV		

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06490.D
Acq On : 30 Jul 2024 03:43 am
Operator : benk
Sample : bs Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:36:37 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

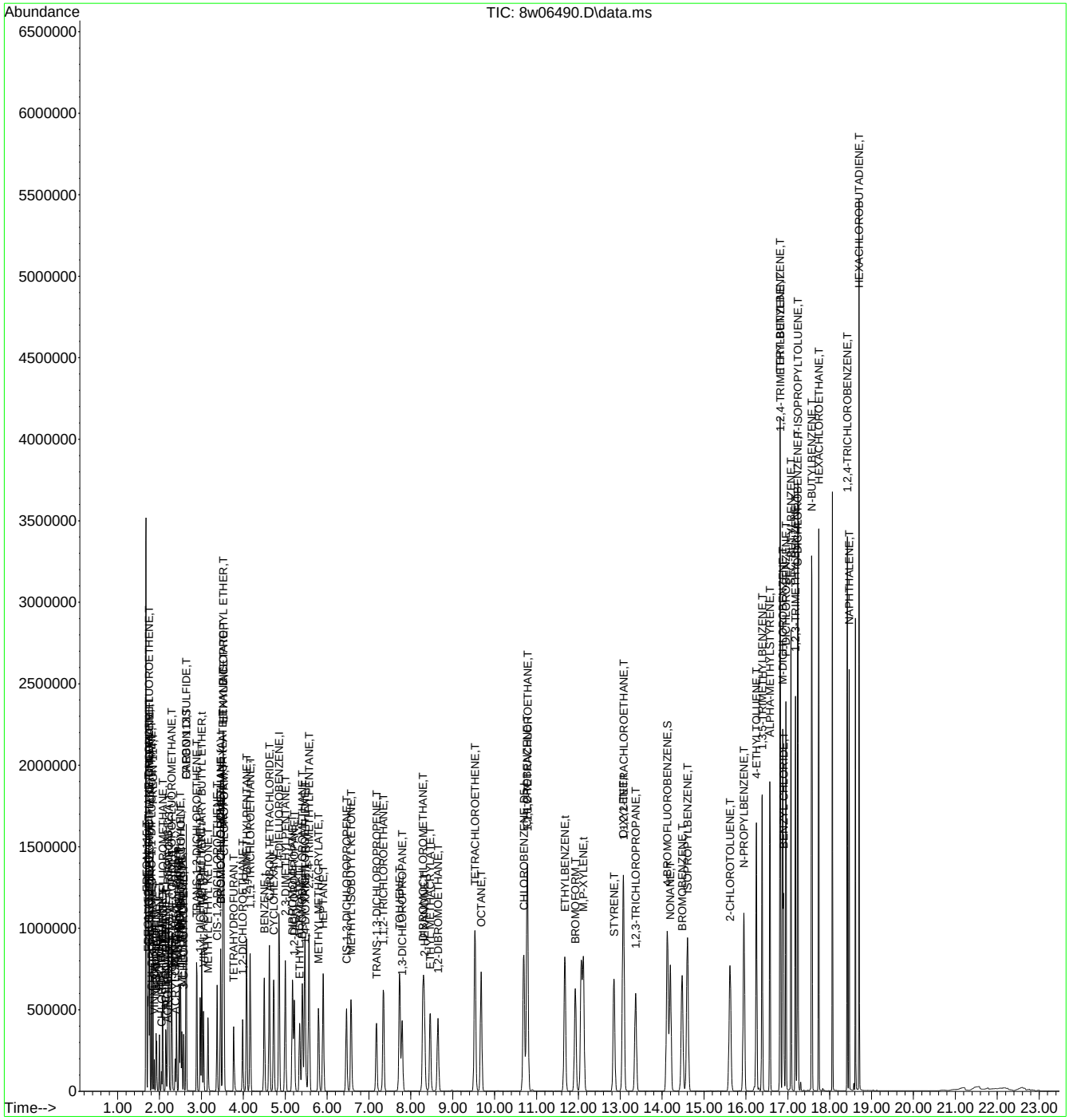
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06490.D
Acq On : 30 Jul 2024 03:43 am
Operator : benk
Sample : bs Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:36:37 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



Manual Integration Approval Summary

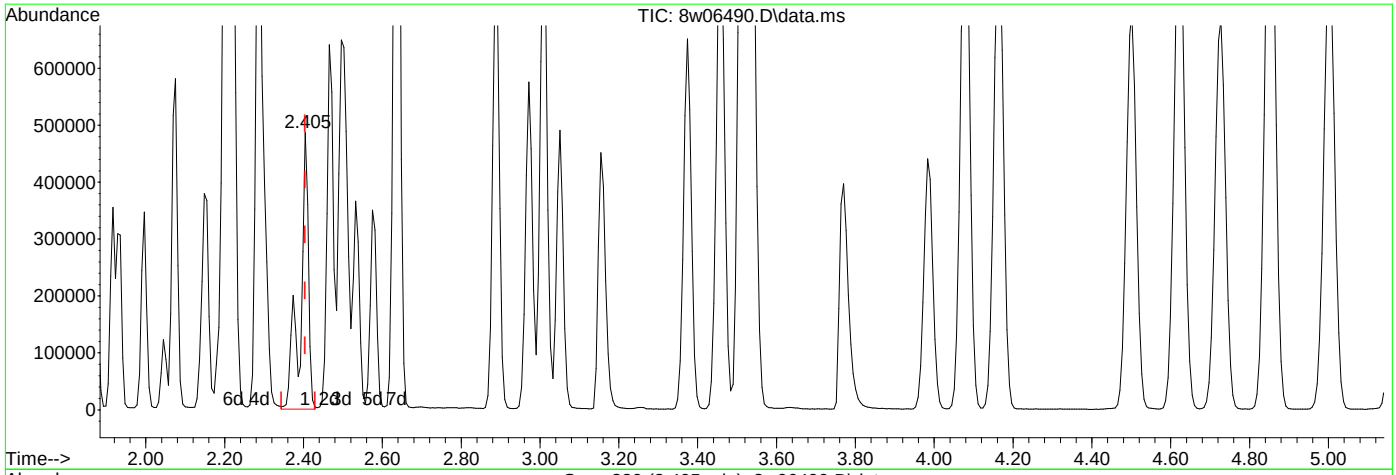
Sample Number:	V8W249-BS	**Method:**	TO-15
Lab FileID:	8W06490.D	**Analyst approved:**	07/31/24 03:00 Lucky Carandang
Injection Time:	07/30/24 03:43	**Supervisor approved:**	07/31/24 11:17 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06490.D
Acq On : 30 Jul 2024 03:43 am
Operator : benk
Sample : bs Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:21:12 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



TIC: 8w06490.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.001) 14.87PPBV

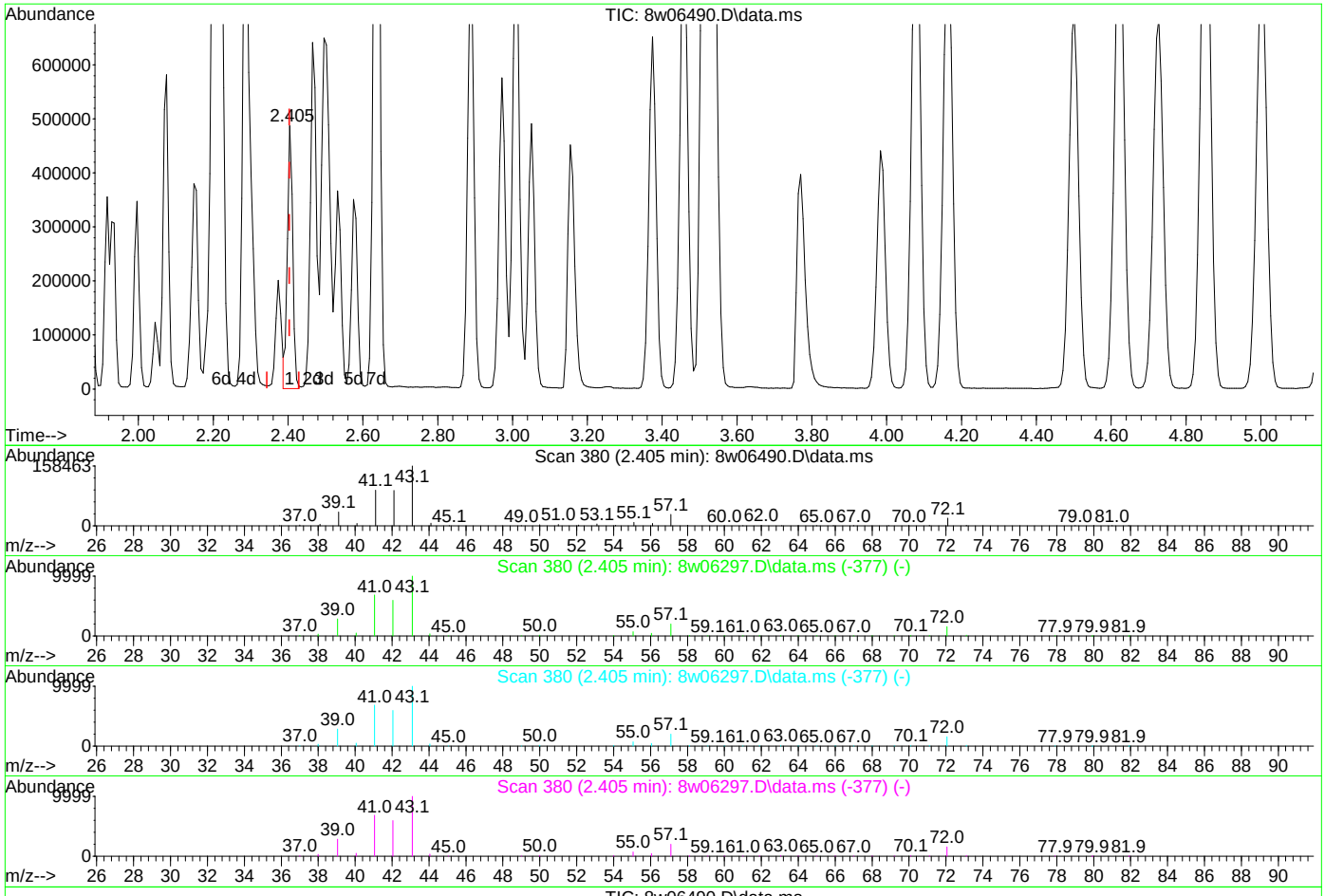
response 696205

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06490.D
Acq On : 30 Jul 2024 03:43 am
Operator : benk
Sample : bs Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:21:12 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



TIC: 8w06490.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.001) 10.40PPBV m

response 486900

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/31/24 11:17

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06491.D
Acq On : 30 Jul 2024 04:17 am
Operator : benk
Sample : bsd Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:41:58 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.459	128	205055	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	944673	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.696	117	852375	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	205055	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.128	95	616824	8.64	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.691	119	110775	12.9271	PPBV	92
3) FREON 152A	1.722	65	107942	9.9594	PPBV	87
4) CHLORODIFLUOROMETHANE	1.734	67	53663	8.2809	PPBV	80
5) CHLOROTRIFLUOROETHENE	1.746	116	285994	11.9392	PPBV	77
6) DICHLORODIFLUOROMETHANE	1.765	85	469073	9.2526	PPBV	99
7) PROPYLENE	1.746	41	122394	8.9180	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	301956	8.5022	PPBV #	99
9) FREON 114	1.844	85	338649	10.3258	PPBV	97
10) CHLOROMETHANE	1.813	52	24325	9.8126	PPBV #	47
11) VINYL CHLORIDE	1.874	62	96599	9.2076	PPBV	99
12) 1,3-BUTADIENE	1.917	54	73044	9.7517	PPBV	98
13) N-BUTANE	1.929	41	49895	8.9849	PPBV	96
14) BROMOMETHANE	1.996	94	107108	9.6592	PPBV	100
15) CHLOROETHANE	2.045	64	51889	8.7870	PPBV	97
16) DICHLOROFLUOROMETHANE	2.069	67	255974	9.0312	PPBV	99
17) ACETONITRILE	2.143	41	68241	8.3202	PPBV	98
18) ACROLEIN	2.185	56	40959	10.6012	PPBV	99
19) FREON 123	2.197	83	269372	9.5439	PPBV	98
20) FREON 123A	2.216	117	215592	10.5556	PPBV	87
21) TRICHLOROFLUOROMETHANE	2.289	101	451864	9.2091	PPBV	100
22) ISOPROPYL ALCOHOL	2.301	45	195980	9.0245	PPBV	98
23) ACETONE	2.222	58	48814	8.0510	PPBV	98
24) PENTANE	2.405	42	88941	9.5912	PPBV	96
25) IODOMETHANE	2.466	142	382032	11.5610	PPBV	91
26) 1,1-DICHLOROETHYLENE	2.496	96	116080	9.7812	PPBV	91
27) CARBON DISULFIDE	2.636	76	261260	9.6252	PPBV	99
28) ETHANOL	2.075	45	43841	9.4422	PPBV	98
29) BROMOETHENE	2.155	106	119847	10.3194	PPBV	97
30) ACRYLONITRILE	2.374	52	68238	8.0576	PPBV	99
31) METHYLENE CHLORIDE	2.533	84	93729	8.2902	PPBV	98
32) 3-CHLOROPROPENE	2.575	76	46627	8.1754	PPBV	95
33) FREON 113	2.636	151	265380	10.7124	PPBV	91
34) TRANS-1,2-DICHLOROETHENE	2.886	96	203870	11.3416	PPBV	86
35) TERTIARY BUTYL ALCOHOL	2.508	59	206327	8.5895	PPBV	99
36) METHYL TERTIARY BUTYL ...	3.008	73	488934	10.2119	PPBV	99
37) TETRAHYDROFURAN	3.770	72	81818	10.8119	PPBV	95
38) HEXANE	3.514	57	277547	10.7512	PPBV	94
39) VINYL ACETATE	3.051	86	47254	11.0089	PPBV	69
40) 1,1-DICHLOROETHANE	2.972	63	330735	10.0868	PPBV	100
41) METHYL ETHYL KETONE	3.155	72	88401	11.5904	PPBV	86
42) CIS-1,2-DICHLOROETHENE	3.374	96	208468	11.5394	PPBV	86
43) DIISOPROPYL ETHER	3.520	45	598373	10.5946	PPBV	98
44) ETHYL ACETATE	3.526	61	54246	10.4326	PPBV	95
45) METHYL ACRYLATE	3.508	55	346382	10.4129	PPBV #	99
46) CHLOROFORM	3.539	83	412689	9.8763	PPBV	97
47) 2,4-DIMETHYLPENTANE	4.075	57	344500	10.5109	PPBV	97
48) 1,1,1-TRICHLOROETHANE	4.160	97	468915	10.0792	PPBV	98
49) CARBON TETRACHLORIDE	4.624	117	534015	11.5804	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06491.D
Acq On : 30 Jul 2024 04:17 am
Operator : benk
Sample : bsd Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:41:58 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.984	62	305052	8.9182	PPBV	#	98
51)	BENZENE	4.502	78	545111	10.7750	PPBV		94
53)	CYCLOHEXANE	4.727	84	253522	12.6849	PPBV		90
54)	2,3-DIMETHYLPENTANE	5.002	71	117787	11.5246	PPBV		86
55)	TRICHLOROETHENE	5.465	95	284966	11.1451	PPBV	#	85
56)	1,2-DICHLOROPROPANE	5.215	63	205765	10.8904	PPBV		93
57)	DIBROMOMETHANE	5.172	174	303915	11.7275	PPBV		88
58)	ETHYL ACRYLATE	5.343	55	463733	11.6106	PPBV		99
59)	BROMODICHLOROMETHANE	5.410	83	451560	10.7571	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.569	57	925298	11.0445	PPBV		99
61)	1,4-DIOXANE	5.477	88	141886	12.5445	PPBV		90
62)	HEPTANE	5.904	57	184018	11.4150	PPBV		96
63)	METHYL METHACRYLATE	5.794	69	201993	12.3540	PPBV		92
64)	METHYL ISOBUTYL KETONE	6.575	58	185855	11.7191	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.465	75	337844	12.1603	PPBV		94
66)	TOLUENE	7.733	91	723428	12.2183	PPBV		99
67)	1,3-DICHLOROPROPANE	7.794	76	349837	11.2028	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.178	75	294508	11.1255	PPBV		96
69)	1,1,2-TRICHLOROETHANE	7.343	83	211499	11.7863	PPBV		98
70)	2-HEXANONE	8.324	58	248811	12.0172	PPBV		97
71)	ETHYL METHACRYLATE	8.458	69	336335	12.1268	PPBV		96
72)	TETRACHLOROETHENE	9.531	164	365752	12.6289	PPBV		96
73)	DIBROMOCHLOROMETHANE	8.294	129	492706	13.0866	PPBV		100
74)	1,2-DIBROMOETHANE	8.647	107	437988	12.9325	PPBV		100
75)	OCTANE	9.678	85	232564	13.4055	PPBV		91
77)	1,1,1,2-TETRACHLOROETHANE	10.787	131	380082	12.9019	PPBV		98
78)	CHLOROBENZENE	10.775	112	645517	12.5586	PPBV		91
79)	ETHYLBENZENE	11.677	91	1009206	12.3618	PPBV		95
80)	M,P-XYLENE	12.116	91	1565041	23.2822	PPBV		87
81)	O-XYLENE	13.067	91	798253	12.1542	PPBV		92
82)	STYRENE	12.854	104	623463	14.3726	PPBV		93
83)	NONANE	14.195	85	179782	12.1778	PPBV		84
84)	BROMOFORM	11.927	173	524539	14.5374	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	13.080	83	518858	11.8435	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.366	75	425853	10.7447	PPBV		95
88)	ISOPROPYLBENZENE	14.604	120	320833	13.5518	PPBV	#	79
89)	BROMOBENZENE	14.476	77	527850	10.6197	PPBV	#	80
90)	2-CHLOROTOLUENE	15.622	126	304661	13.7882	PPBV		76
91)	N-PROPYLBENZENE	15.951	120	334844	14.4767	PPBV		78
92)	4-ETHYLTOLUENE	16.250	105	1209365	13.4563	PPBV		95
93)	1,3,5-TRIMETHYLBENZENE	16.390	105	1000529	12.8622	PPBV		93
94)	ALPHA-METHYLSTYRENE	16.573	118	499083	13.9025	PPBV		94
95)	TERT-BUTYLBENZENE	16.817	134	226902	14.1322	PPBV	#	72
96)	1,2,4-TRIMETHYLBENZENE	16.823	105	948739	12.2626	PPBV		93
97)	BENZYL CHLORIDE	16.902	91	569917	10.9499	PPBV		95
98)	M-DICHLOROBENZENE	16.878	146	698141	12.7245	PPBV		96
99)	P-DICHLOROBENZENE	16.957	146	710779	13.2887	PPBV		97
100)	O-DICHLOROBENZENE	17.231	146	639888	12.4344	PPBV		96
101)	SEC-BUTYLBENZENE	17.073	134	295508	14.2653	PPBV	#	77
102)	1,2,3-TRIMETHYLBENZENE	17.176	105	956785	11.7963	PPBV		94
103)	P-ISOPROPYLTOLUENE	17.243	134	304307	13.3056	PPBV	#	83
104)	N-BUTYLBENZENE	17.567	134	299485	13.2782	PPBV		74
105)	HEXACHLOROETHANE	17.731	117	396954	13.9559	PPBV		99
106)	HEXACHLOROBUTADIENE	18.694	225	554962	9.7775	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.414	180	606426	11.3104	PPBV		98
108)	NAPHTHALENE	18.457	128	1112354	11.4773	PPBV		99
110)	TVHC as equiv Pentane	2.405	TIC	474708m	9.8370	PPBV		

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06491.D
Acq On : 30 Jul 2024 04:17 am
Operator : benk
Sample : bsd Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:41:58 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

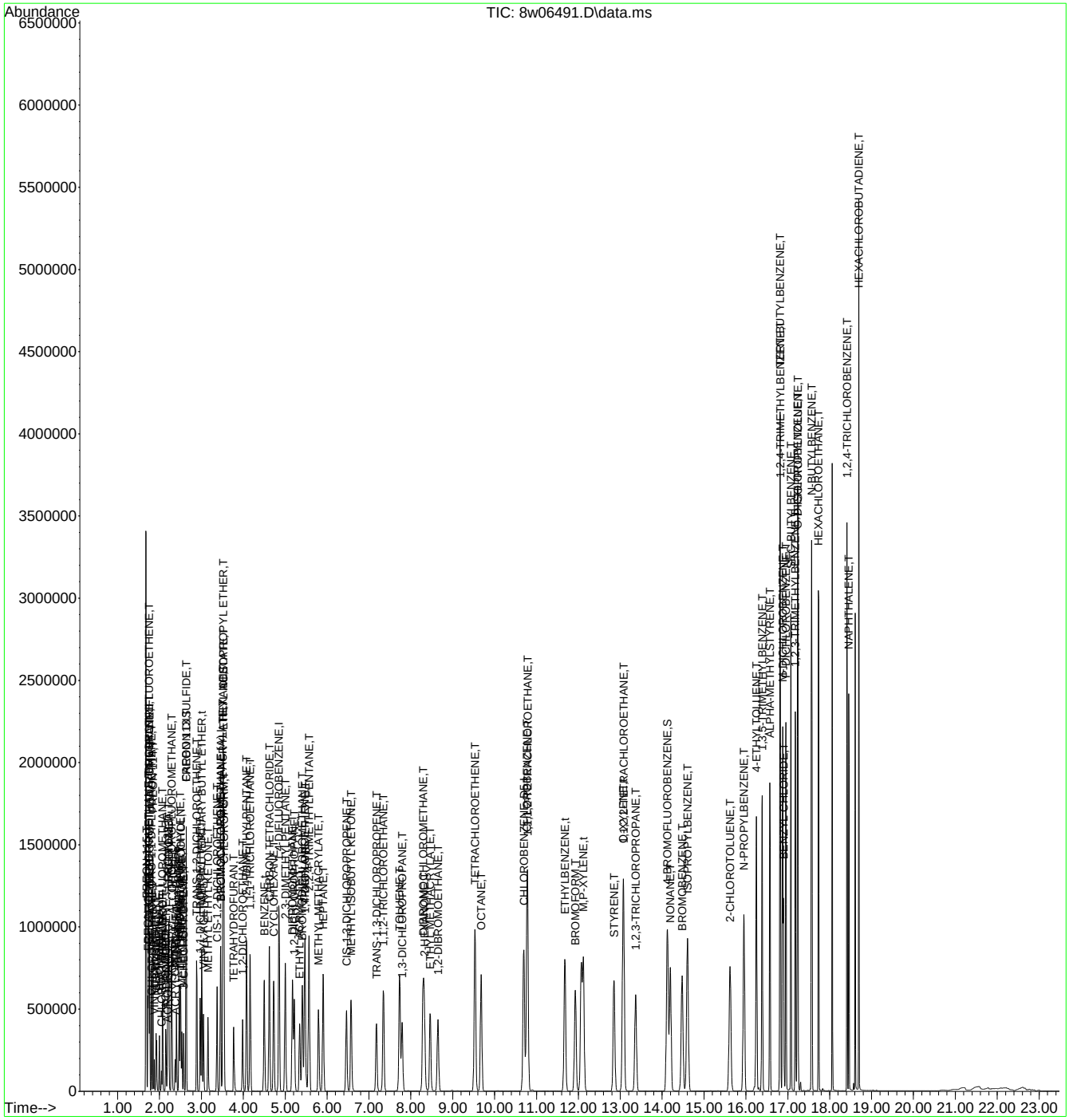
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06491.D
Acq On : 30 Jul 2024 04:17 am
Operator : benk
Sample : bsd Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:41:58 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



Manual Integration Approval Summary

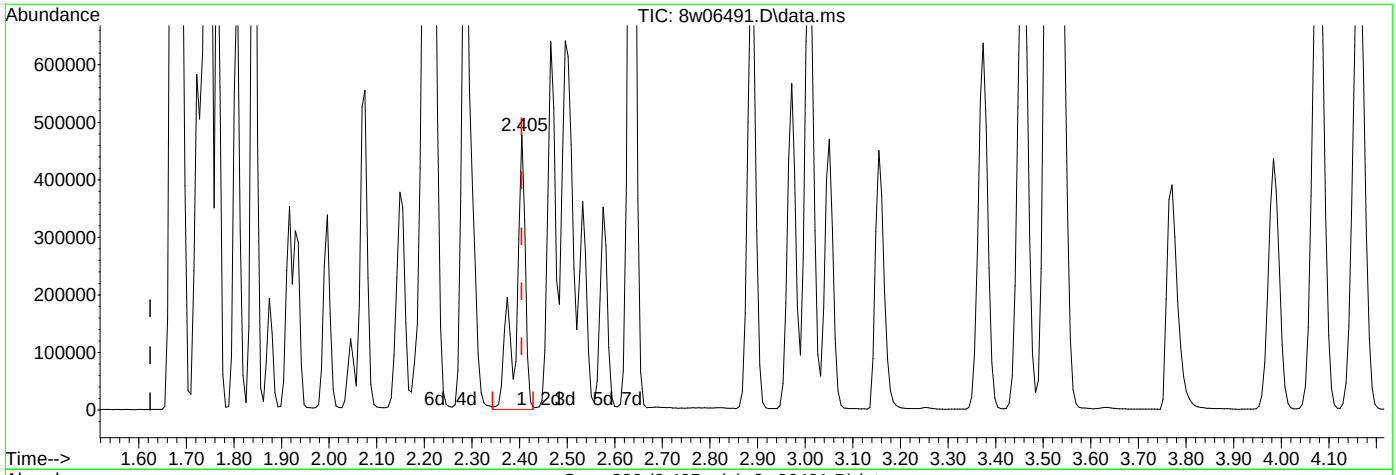
Sample Number:	V8W249-BSD	**Method:**	TO-15
Lab FileID:	8W06491.D	**Analyst approved:**	07/31/24 03:00 Lucky Carandang
Injection Time:	07/30/24 04:17	**Supervisor approved:**	07/31/24 11:17 Kanya Veerawat

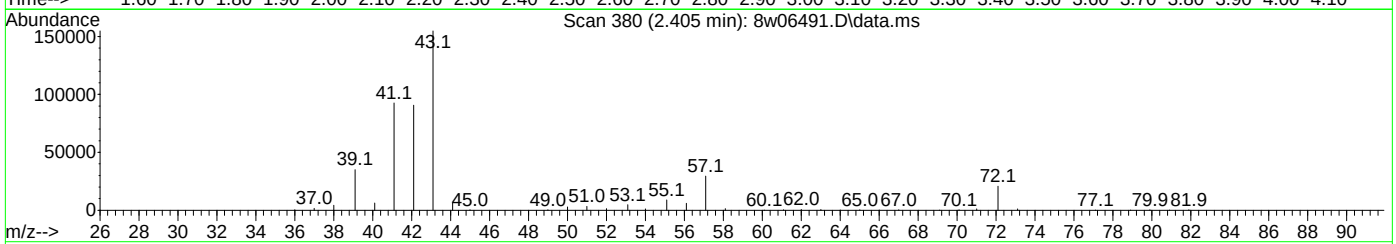
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak

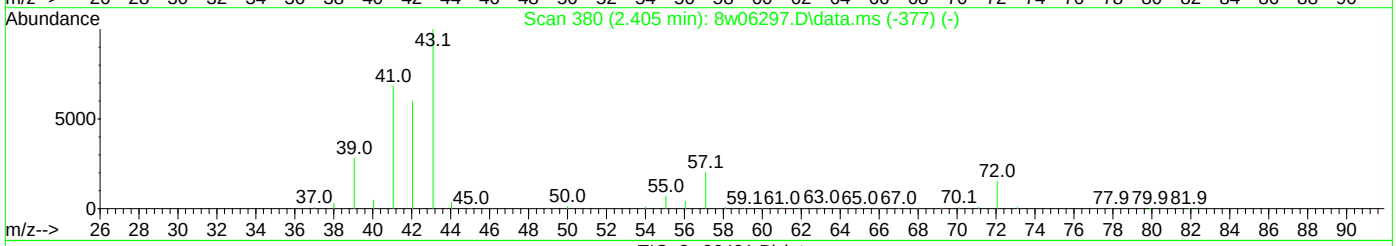
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06491.D
Acq On : 30 Jul 2024 04:17 am
Operator : benk
Sample : bsd Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:21:33 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration







TIC: 8w06491.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.001) 14.15PPBV

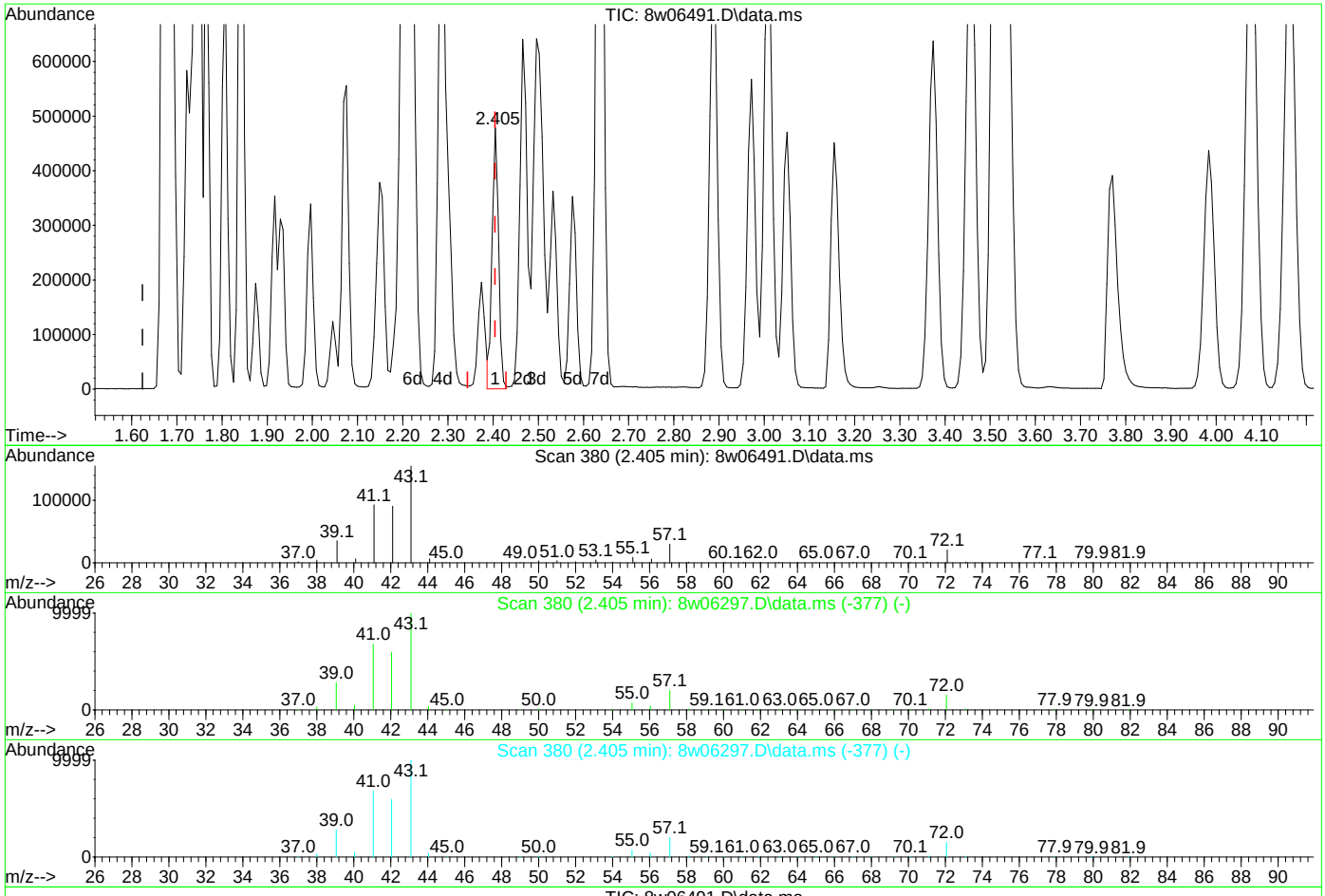
response 682920

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06491.D
Acq On : 30 Jul 2024 04:17 am
Operator : benk
Sample : bsd Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:21:33 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



TIC: 8w06491.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.001) 9.84PPBV m

response 474708

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/01/24 11:08

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06529.D
Acq On : 31 Jul 2024 01:22 pm
Operator : thomash
Sample : bs Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:37:51 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.459	128	197400	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	911347	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.690	117	816532	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	197400	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.116	95	600924	8.78	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.691	119	55303	6.7040	PPBV		94
3) FREON 152A	1.722	65	101494	9.7276	PPBV		88
4) CHLORODIFLUOROMETHANE	1.734	67	51521	8.2587	PPBV		83
5) CHLOROTRIFLUOROETHENE	1.746	116	269541	11.6887	PPBV		80
6) DICHLORODIFLUOROMETHANE	1.765	85	454428	9.3114	PPBV		99
7) PROPYLENE	1.746	41	112886	8.5442	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	302661	8.8525	PPBV	#	99
9) FREON 114	1.844	85	335318	10.6207	PPBV		97
10) CHLOROMETHANE	1.813	52	22998	9.6370	PPBV	#	43
11) VINYL CHLORIDE	1.874	62	93269	9.2349	PPBV		99
12) 1,3-BUTADIENE	1.917	54	69751	9.6732	PPBV		99
13) N-BUTANE	1.929	41	49335	9.2285	PPBV		100
14) BROMOMETHANE	1.996	94	103604	9.7055	PPBV		98
15) CHLOROETHANE	2.045	64	49148	8.6456	PPBV		100
16) DICHLOROFLUOROMETHANE	2.069	67	251788	9.2280	PPBV		100
17) ACETONITRILE	2.143	41	65441	8.2882	PPBV		99
18) ACROLEIN	2.185	56	39243	10.5510	PPBV		99
19) FREON 123	2.197	83	264878	9.7486	PPBV		98
20) FREON 123A	2.216	117	214095	10.8888	PPBV		85
21) TRICHLOROFLUOROMETHANE	2.289	101	449574	9.5178	PPBV		100
22) ISOPROPYL ALCOHOL	2.301	45	187725	8.9796	PPBV		98
23) ACETONE	2.222	58	46622	7.9877	PPBV		94
24) PENTANE	2.405	42	85523	9.5803	PPBV		97
25) IODOMETHANE	2.466	142	381303	11.9864	PPBV		91
26) 1,1-DICHLOROETHYLENE	2.496	96	115025	10.0681	PPBV		92
27) CARBON DISULFIDE	2.636	76	253506	9.7017	PPBV		99
28) ETHANOL	2.075	45	40564	9.0752	PPBV		96
29) BROMOETHENE	2.155	106	116769	10.4442	PPBV		96
30) ACRYLONITRILE	2.374	52	65551	8.0405	PPBV		99
31) METHYLENE CHLORIDE	2.533	84	92925	8.5378	PPBV		99
32) 3-CHLOROPROPENE	2.575	76	47393	8.6319	PPBV		97
33) FREON 113	2.636	151	271000	11.3634	PPBV		88
34) TRANS-1,2-DICHLOROETHENE	2.886	96	191981	11.0943	PPBV		86
35) TERTIARY BUTYL ALCOHOL	2.508	59	200840	8.6853	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.008	73	467397	10.1406	PPBV		99
37) TETRAHYDROFURAN	3.764	72	76644	10.5209	PPBV		93
38) HEXANE	3.514	57	254550	10.2428	PPBV		97
39) VINYL ACETATE	3.051	86	45523	11.0170	PPBV		68
40) 1,1-DICHLOROETHANE	2.972	63	311461	9.8673	PPBV		99
41) METHYL ETHYL KETONE	3.155	72	81486	11.0981	PPBV		88
42) CIS-1,2-DICHLOROETHENE	3.374	96	196175	11.2800	PPBV		86
43) DIISOPROPYL ETHER	3.520	45	560567	10.3101	PPBV		98
44) ETHYL ACETATE	3.526	61	50545	10.0977	PPBV		96
45) METHYL ACRYLATE	3.508	55	326480	10.1952	PPBV	#	99
46) CHLOROFORM	3.539	83	395713	9.8372	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.075	57	324543	10.2860	PPBV		96
48) 1,1,1-TRICHLOROETHANE	4.160	97	464767	10.3774	PPBV		98
49) CARBON TETRACHLORIDE	4.618	117	526858	11.8683	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06529.D
Acq On : 31 Jul 2024 01:22 pm
Operator : thomash
Sample : bs Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:37:51 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.984	62	298837	9.0753	PPBV	#	98
51)	BENZENE	4.496	78	504748	10.3641	PPBV		95
53)	CYCLOHEXANE	4.721	84	236435	12.2625	PPBV		89
54)	2,3-DIMETHYLPENTANE	5.002	71	111576	11.3161	PPBV		85
55)	TRICHLOROETHENE	5.465	95	269482	10.9250	PPBV	#	85
56)	1,2-DICHLOROPROPANE	5.215	63	188663	10.3504	PPBV		97
57)	DIBROMOMETHANE	5.172	174	298024	11.9207	PPBV		86
58)	ETHYL ACRYLATE	5.343	55	435106	11.2922	PPBV		99
59)	BROMODICHLOROMETHANE	5.404	83	444343	10.9723	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.563	57	857430	10.6087	PPBV		99
61)	1,4-DIOXANE	5.477	88	131912	12.0891	PPBV	#	90
62)	HEPTANE	5.904	57	171260	11.0120	PPBV		97
63)	METHYL METHACRYLATE	5.794	69	188235	11.9335	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.569	58	174936	11.4339	PPBV		97
65)	CIS-1,3-DICHLOROPROPENE	6.459	75	317329	11.8396	PPBV		95
66)	TOLUENE	7.727	91	679602	11.8978	PPBV		99
67)	1,3-DICHLOROPROPANE	7.788	76	330834	10.9817	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.172	75	279942	10.9619	PPBV		97
69)	1,1,2-TRICHLOROETHANE	7.343	83	198118	11.4443	PPBV		97
70)	2-HEXANONE	8.318	58	229203	11.4750	PPBV		98
71)	ETHYL METHACRYLATE	8.458	69	316449	11.8270	PPBV		97
72)	TETRACHLOROETHENE	9.525	164	359563	12.8692	PPBV		94
73)	DIBROMOCHLOROMETHANE	8.288	129	500743	13.7864	PPBV		100
74)	1,2-DIBROMOETHANE	8.641	107	417940	12.7918	PPBV		100
75)	OCTANE	9.672	85	220024	13.1464	PPBV		88
77)	1,1,1,2-TETRACHLOROETHANE	10.781	131	365788	12.9618	PPBV		99
78)	CHLOROBENZENE	10.769	112	605467	12.2965	PPBV		92
79)	ETHYLBENZENE	11.671	91	950480	12.1535	PPBV		95
80)	M,P-XYLENE	12.110	91	1484620	23.0553	PPBV		87
81)	O-XYLENE	13.061	91	755103	12.0019	PPBV		93
82)	STYRENE	12.842	104	584306	14.0612	PPBV		94
83)	NONANE	14.189	85	169096	11.9567	PPBV		83
84)	BROMOFORM	11.921	173	525024	15.1895	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	13.073	83	480619	11.4522	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.360	75	399452	10.5210	PPBV		94
88)	ISOPROPYLBENZENE	14.598	120	302612	13.3433	PPBV	#	82
89)	BROMOBENZENE	14.470	77	496902	10.4359	PPBV	#	77
90)	2-CHLOROTOLUENE	15.616	126	289296	13.6676	PPBV		76
91)	N-PROPYLBENZENE	15.951	120	316560	14.2870	PPBV		78
92)	4-ETHYLTOLUENE	16.244	105	1142944	13.2755	PPBV		96
93)	1,3,5-TRIMETHYLBENZENE	16.384	105	952024	12.7759	PPBV		94
94)	ALPHA-METHYLSTYRENE	16.573	118	472517	13.7403	PPBV		96
95)	TERT-BUTYLBENZENE	16.817	134	217553	14.1447	PPBV	#	73
96)	1,2,4-TRIMETHYLBENZENE	16.823	105	914326	12.3365	PPBV		93
97)	BENZYL CHLORIDE	16.902	91	547394	10.9788	PPBV		94
98)	M-DICHLOROBENZENE	16.884	146	670592	12.7590	PPBV		95
99)	P-DICHLOROBENZENE	16.963	146	680261	13.2764	PPBV		96
100)	O-DICHLOROBENZENE	17.243	146	619214	12.5608	PPBV		96
101)	SEC-BUTYLBENZENE	17.085	134	279145	14.0669	PPBV		79
102)	1,2,3-TRIMETHYLBENZENE	17.189	105	915367	11.7811	PPBV		94
103)	P-ISOPROPYLTOLUENE	17.256	134	292652	13.3577	PPBV	#	82
104)	N-BUTYLBENZENE	17.591	134	290838	13.4608	PPBV		73
105)	HEXACHLOROETHANE	17.762	117	383042	14.0579	PPBV		95
106)	HEXACHLOROBUTADIENE	18.761	225	604890m	11.1249	PPBV		
107)	1,2,4-TRICHLOROBENZENE	18.469	180	624236	12.1537	PPBV		98
108)	NAPHTHALENE	18.512	128	1108641	11.9411	PPBV		99
110)	TVHC as equiv Pentane	2.405	TIC	461367m	9.9313	PPBV		

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06529.D
Acq On : 31 Jul 2024 01:22 pm
Operator : thomash
Sample : bs Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:37:51 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

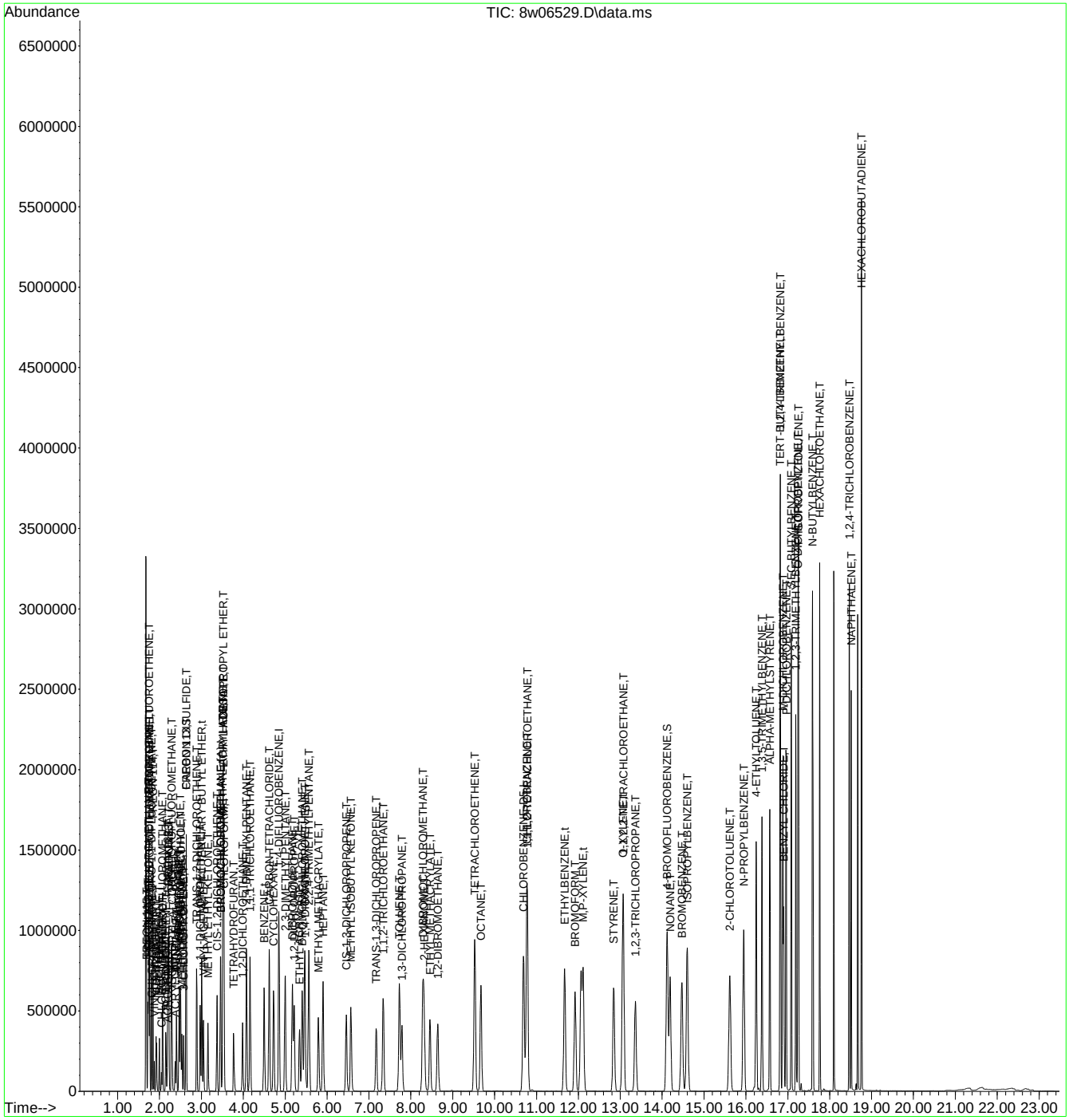
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06529.D
Acq On : 31 Jul 2024 01:22 pm
Operator : thomash
Sample : bs Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:37:51 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



Manual Integration Approval Summary

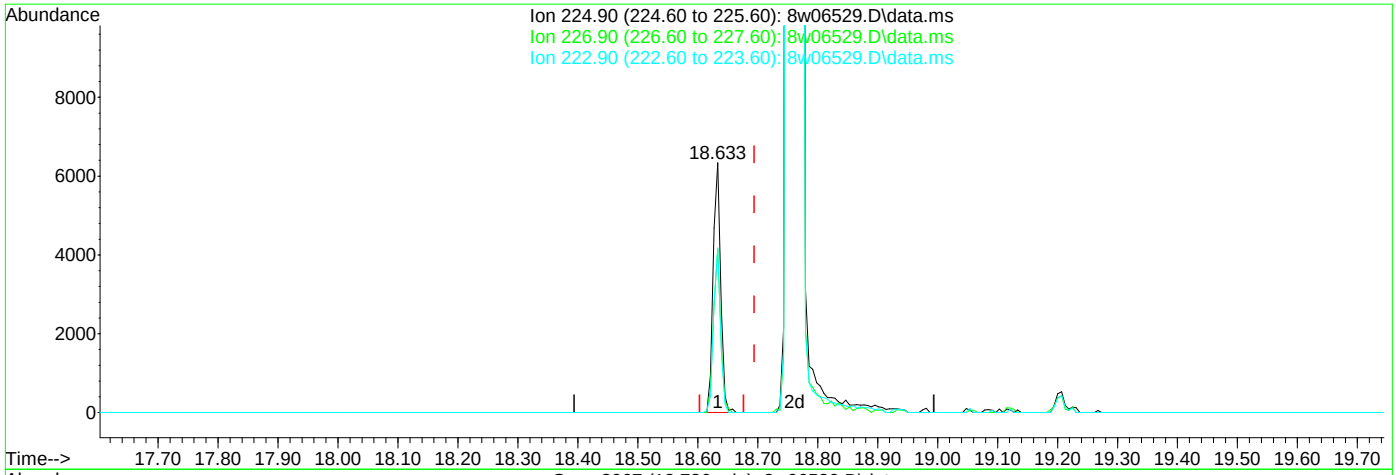
Sample Number:	V8W250-BS	**Method:**	TO-15
Lab FileID:	8W06529.D	**Analyst approved:**	08/01/24 04:03 Kristel Valladolid
Injection Time:	07/31/24 13:22	**Supervisor approved:**	08/01/24 11:08 Kanya Veerawat

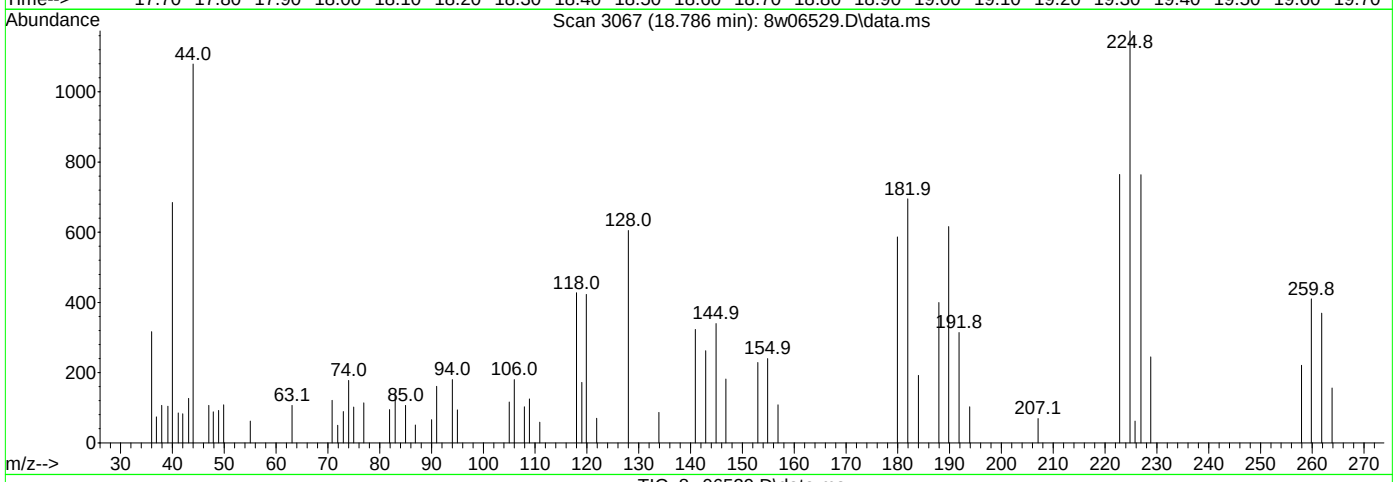
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak
Hexachlorobutadiene	87-68-3		18.76	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06529.D
Acq On : 31 Jul 2024 01:22 pm
Operator : thomash
Sample : bs Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:07:34 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration





TIC: 8w06529.D\data.ms

(106) HEXACHLOROBUTADIENE (T)

18.633min (-0.061) 0.10PPBV

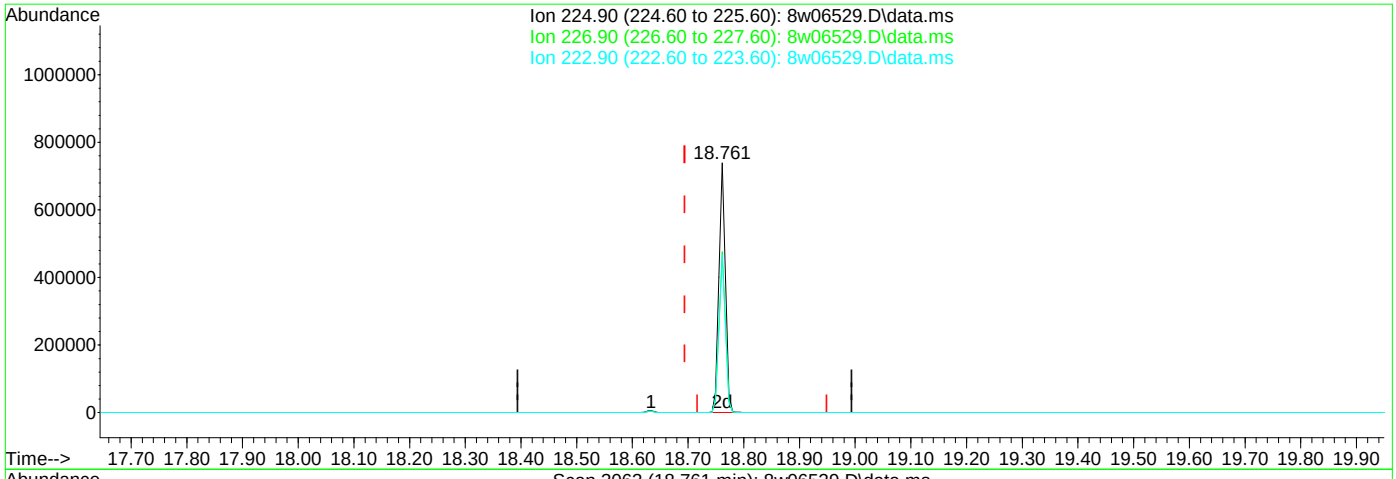
response 5533

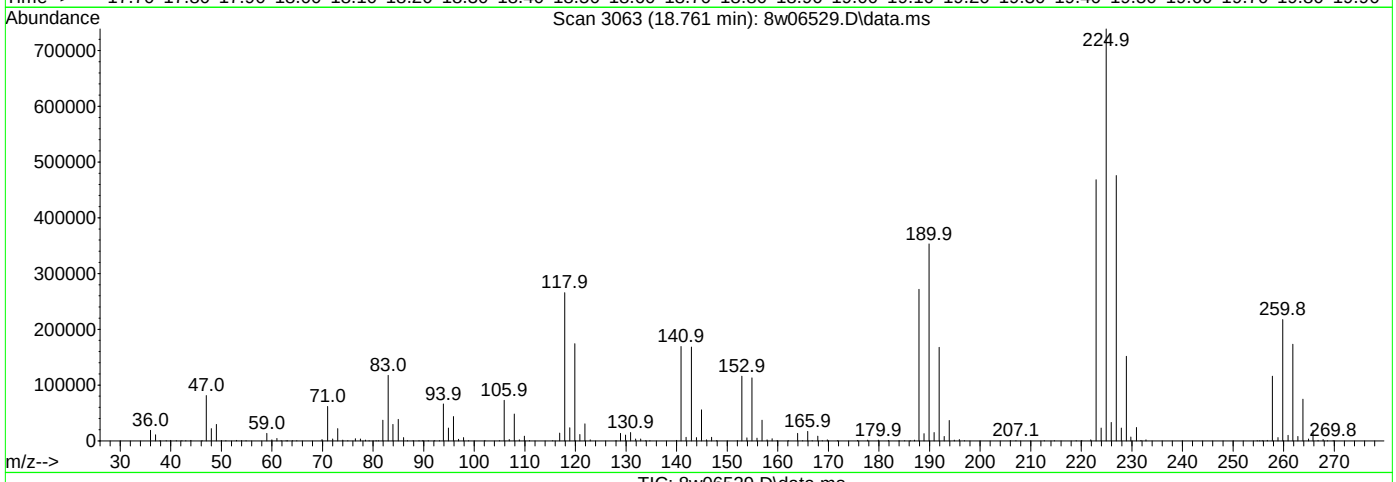
Ion	Exp%	Act%
224.90	100	100
226.90	64.10	62.88
222.90	62.40	60.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06529.D
Acq On : 31 Jul 2024 01:22 pm
Operator : thomash
Sample : bs Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:07:34 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration





TIC: 8w06529.D\data.ms

(106) HEXACHLOROBUTADIENE (T)

18.761min (+0.067) 11.12PPBV m

response 604890

Ion	Exp%	Act%
224.90	100	100
226.90	64.10	0.58#
222.90	62.40	0.56#
0.00	0.00	0.00

```
ERROR: unmatchedmark
OFFENDING COMMAND: pdfmark

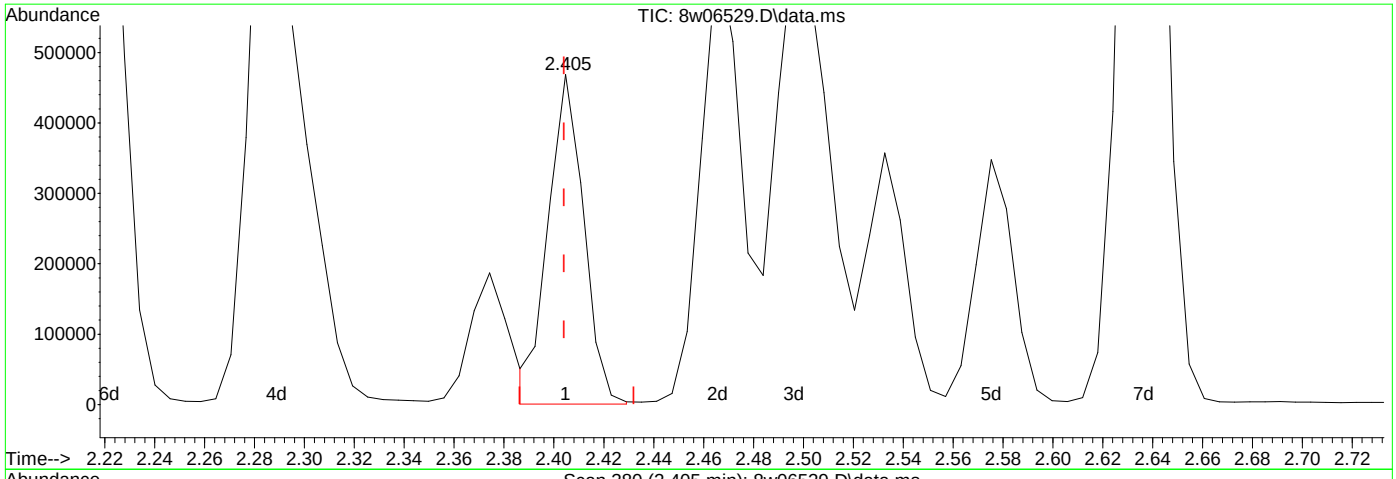
STACK:

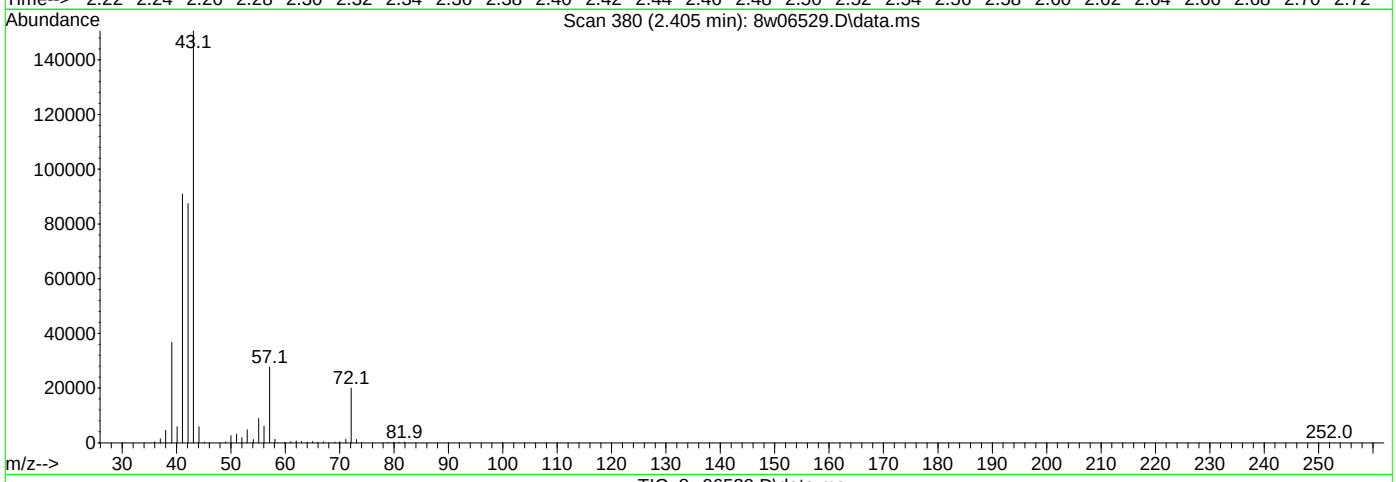
/DOCINFO
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Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06529.D
Acq On : 31 Jul 2024 01:22 pm
Operator : thomash
Sample : bs Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:07:34 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration





TIC: 8w06529.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.001) 9.93PPBV m

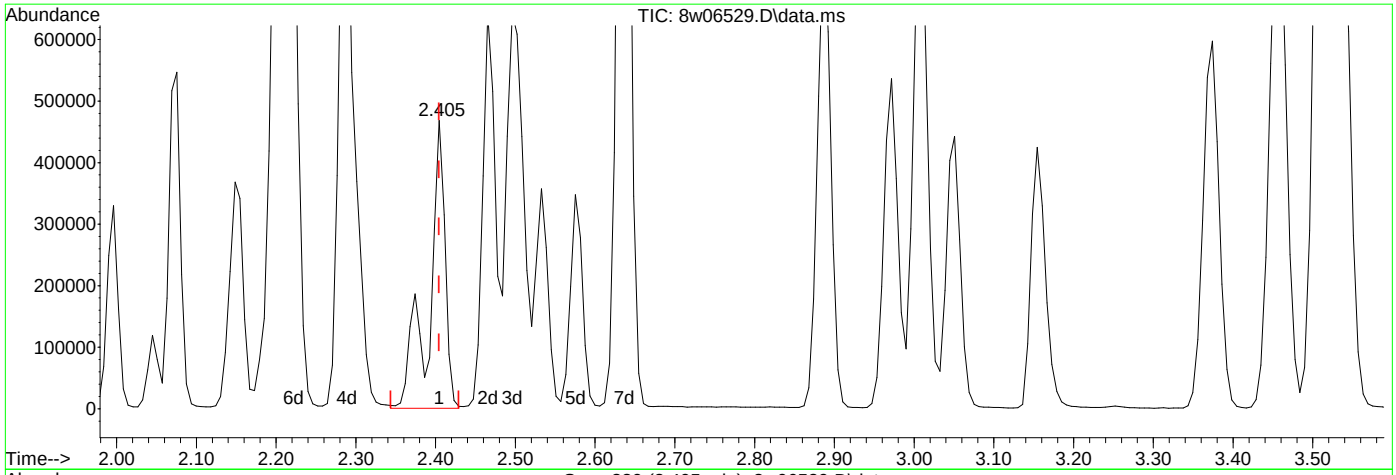
response 461367

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\
Data File : 8w06529.D
Acq On : 31 Jul 2024 01:22 pm
Operator : thomash
Sample : bs Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:43:00 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



TIC: 8w06529.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.001) 14.18PPBV

response 658609

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/01/24 11:08

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06530.D
Acq On : 31 Jul 2024 01:55 pm
Operator : thomash
Sample : bsd Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:44:40 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.459	128	201507	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	928461	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.696	117	845379	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	201507	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.122	95	619596	8.75	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.691	119	91896	10.9128	PPBV		93
3) FREON 152A	1.722	65	101030	9.4857	PPBV		89
4) CHLORODIFLUOROMETHANE	1.734	67	51275	8.0517	PPBV		82
5) CHLOROTRIFLUOROETHENE	1.752	116	270834	11.5054	PPBV		80
6) DICHLORODIFLUOROMETHANE	1.764	85	490136	9.8383	PPBV		97
7) PROPYLENE	1.746	41	114611	8.4979	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	298299	8.5471	PPBV	#	99
9) FREON 114	1.844	85	299099	9.2804	PPBV		89
10) CHLOROMETHANE	1.813	52	23540	9.6631	PPBV	#	43
11) VINYL CHLORIDE	1.874	62	93552	9.0742	PPBV		99
12) 1,3-BUTADIENE	1.917	54	69874	9.4928	PPBV		99
13) N-BUTANE	1.935	41	48098	8.8138	PPBV		95
14) BROMOMETHANE	1.996	94	103009	9.4531	PPBV		99
15) CHLOROETHANE	2.045	64	49682	8.5614	PPBV		98
16) DICHLOROFLUOROMETHANE	2.075	67	252758	9.0748	PPBV		100
17) ACETONITRILE	2.142	41	65159	8.0843	PPBV		99
18) ACROLEIN	2.185	56	39288	10.3478	PPBV		100
19) FREON 123	2.203	83	263700	9.5075	PPBV		98
20) FREON 123A	2.222	117	213355	10.6300	PPBV		85
21) TRICHLOROFLUOROMETHANE	2.289	101	445460	9.2384	PPBV		99
22) ISOPROPYL ALCOHOL	2.301	45	187110	8.7677	PPBV		98
23) ACETONE	2.228	58	45890	7.7020	PPBV		93
24) PENTANE	2.405	42	85552	9.3882	PPBV		97
25) IODOMETHANE	2.466	142	378224	11.6473	PPBV		91
26) 1,1-DICHLOROETHYLENE	2.496	96	114267	9.7979	PPBV		91
27) CARBON DISULFIDE	2.636	76	254967	9.5587	PPBV		99
28) ETHANOL	2.075	45	40992	8.9840	PPBV		97
29) BROMOETHENE	2.155	106	116763	10.2309	PPBV		97
30) ACRYLONITRILE	2.374	52	65170	7.8308	PPBV		98
31) METHYLENE CHLORIDE	2.533	84	92753	8.3484	PPBV		99
32) 3-CHLOROPROPENE	2.575	76	47023	8.3900	PPBV		97
33) FREON 113	2.636	151	265483	10.9052	PPBV		89
34) TRANS-1,2-DICHLOROETHENE	2.886	96	192214	10.8814	PPBV		86
35) TERTIARY BUTYL ALCOHOL	2.508	59	199289	8.4426	PPBV		98
36) METHYL TERTIARY BUTYL ...	3.008	73	464386	9.8699	PPBV		99
37) TETRAHYDROFURAN	3.770	72	76698	10.3138	PPBV		92
38) HEXANE	3.514	57	254434	10.0294	PPBV		97
39) VINYL ACETATE	3.051	86	44460	10.5404	PPBV		72
40) 1,1-DICHLOROETHANE	2.972	63	312845	9.7092	PPBV		99
41) METHYL ETHYL KETONE	3.154	72	81651	10.8939	PPBV		89
42) CIS-1,2-DICHLOROETHENE	3.374	96	194375	10.9487	PPBV		87
43) DIISOPROPYL ETHER	3.520	45	559290	10.0769	PPBV		98
44) ETHYL ACETATE	3.526	61	49484	9.6843	PPBV		99
45) METHYL ACRYLATE	3.508	55	321913	9.8477	PPBV	#	99
46) CHLOROFORM	3.539	83	395208	9.6244	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.075	57	320068	9.9374	PPBV		97
48) 1,1,1-TRICHLOROETHANE	4.160	97	460560	10.0739	PPBV		98
49) CARBON TETRACHLORIDE	4.624	117	522396	11.5279	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06530.D
Acq On : 31 Jul 2024 01:55 pm
Operator : thomash
Sample : bsd Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:44:40 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.984	62	299504	8.9102	PPBV	#	98
51)	BENZENE	4.502	78	502168	10.1009	PPBV		94
53)	CYCLOHEXANE	4.727	84	236308	12.0300	PPBV		89
54)	2,3-DIMETHYLPENTANE	5.002	71	108977	10.8488	PPBV		87
55)	TRICHLOROETHENE	5.465	95	271281	10.7952	PPBV		86
56)	1,2-DICHLOROPROPANE	5.215	63	187857	10.1162	PPBV		97
57)	DIBROMOMETHANE	5.172	174	299858	11.7730	PPBV		85
58)	ETHYL ACRYLATE	5.343	55	432478	11.0171	PPBV		99
59)	BROMODICHLOROMETHANE	5.410	83	435757	10.5619	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.569	57	856571	10.4027	PPBV		99
61)	1,4-DIOXANE	5.477	88	132585	11.9268	PPBV		89
62)	HEPTANE	5.904	57	170982	10.7915	PPBV		97
63)	METHYL METHACRYLATE	5.794	69	187036	11.6390	PPBV		94
64)	METHYL ISOBUTYL KETONE	6.569	58	173180	11.1105	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.459	75	314593	11.5212	PPBV		96
66)	TOLUENE	7.733	91	681627	11.7133	PPBV		99
67)	1,3-DICHLOROPROPANE	7.794	76	327141	10.6589	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.178	75	278909	10.7202	PPBV		97
69)	1,1,2-TRICHLOROETHANE	7.343	83	195454	11.0823	PPBV		96
70)	2-HEXANONE	8.318	58	229037	11.2553	PPBV		98
71)	ETHYL METHACRYLATE	8.458	69	317332	11.6414	PPBV		96
72)	TETRACHLOROETHENE	9.531	164	359497	12.6297	PPBV		95
73)	DIBROMOCHLOROMETHANE	8.288	129	488723	13.2075	PPBV		100
74)	1,2-DIBROMOETHANE	8.647	107	414731	12.4596	PPBV		100
75)	OCTANE	9.678	85	220622	12.9392	PPBV		89
77)	1,1,1,2-TETRACHLOROETHANE	10.787	131	365304	12.5029	PPBV		99
78)	CHLOROBENZENE	10.769	112	611614	11.9975	PPBV		91
79)	ETHYLBENZENE	11.671	91	953767	11.7794	PPBV		95
80)	M,P-XYLENE	12.116	91	1496260	22.4432	PPBV		96
81)	O-XYLENE	13.067	91	758583	11.6458	PPBV		94
82)	STYRENE	12.848	104	590116	13.7164	PPBV		94
83)	NONANE	14.195	85	168495	11.5077	PPBV		84
84)	BROMOFORM	11.927	173	520086	14.5332	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	13.080	83	485340	11.1701	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.366	75	401908	10.2245	PPBV		94
88)	ISOPROPYLBENZENE	14.604	120	301741	12.8509	PPBV	#	82
89)	BROMOBENZENE	14.470	77	499162	10.1256	PPBV	#	77
90)	2-CHLOROTOLUENE	15.622	126	289749	13.2219	PPBV		76
91)	N-PROPYLBENZENE	15.951	120	321871	14.0310	PPBV		77
92)	4-ETHYLTOLUENE	16.250	105	1153802	12.9443	PPBV		95
93)	1,3,5-TRIMETHYLBENZENE	16.390	105	950625	12.3218	PPBV		93
94)	ALPHA-METHYLSTYRENE	16.573	118	473415	13.2966	PPBV		96
95)	TERT-BUTYLBENZENE	16.817	134	218591	13.7272	PPBV	#	73
96)	1,2,4-TRIMETHYLBENZENE	16.823	105	925325	12.0589	PPBV		94
97)	BENZYL CHLORIDE	16.902	91	538261	10.4273	PPBV		94
98)	M-DICHLOROBENZENE	16.884	146	672177	12.3527	PPBV		96
99)	P-DICHLOROBENZENE	16.957	146	684733	12.9077	PPBV		97
100)	O-DICHLOROBENZENE	17.237	146	626397	12.2729	PPBV		95
101)	SEC-BUTYLBENZENE	17.085	134	278929	13.5764	PPBV	#	79
102)	1,2,3-TRIMETHYLBENZENE	17.189	105	921199	11.4516	PPBV		94
103)	P-ISOPROPYLTOLUENE	17.250	134	292428	12.8920	PPBV	#	82
104)	N-BUTYLBENZENE	17.585	134	289963	12.9624	PPBV		74
105)	HEXACHLOROETHANE	17.756	117	380563	13.4904	PPBV		94
106)	HEXACHLOROBUTADIENE	18.749	225	605828	10.7620	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.457	180	618190	11.6253	PPBV		98
108)	NAPHTHALENE	18.499	128	1092140	11.3620	PPBV		99
110)	TVHC as equiv Pentane	2.405	TIC	458713m	9.6729	PPBV		

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06530.D
Acq On : 31 Jul 2024 01:55 pm
Operator : thomash
Sample : bsd Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:44:40 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

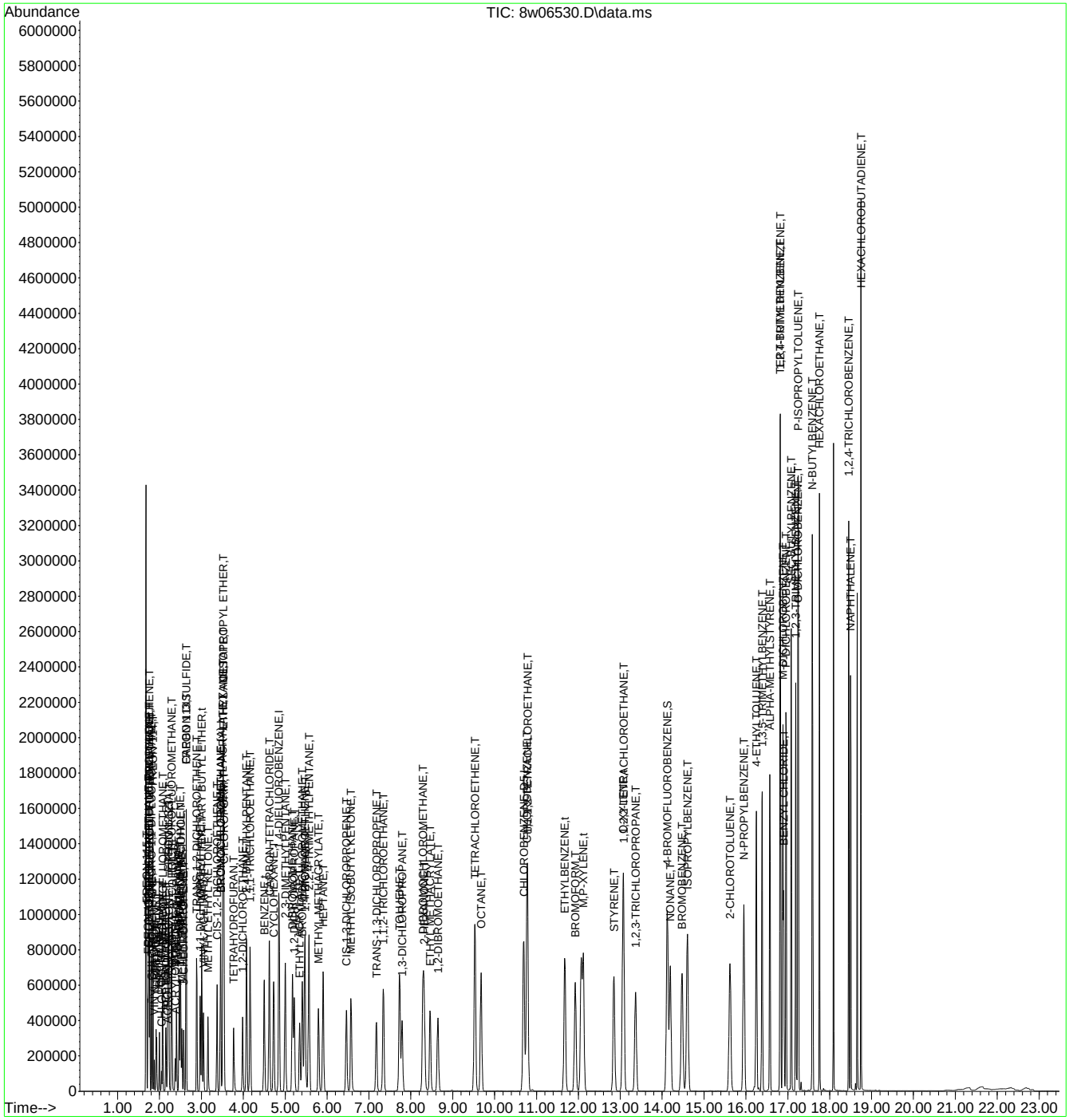
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06530.D
Acq On : 31 Jul 2024 01:55 pm
Operator : thomash
Sample : bsd Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:44:40 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



Manual Integration Approval Summary

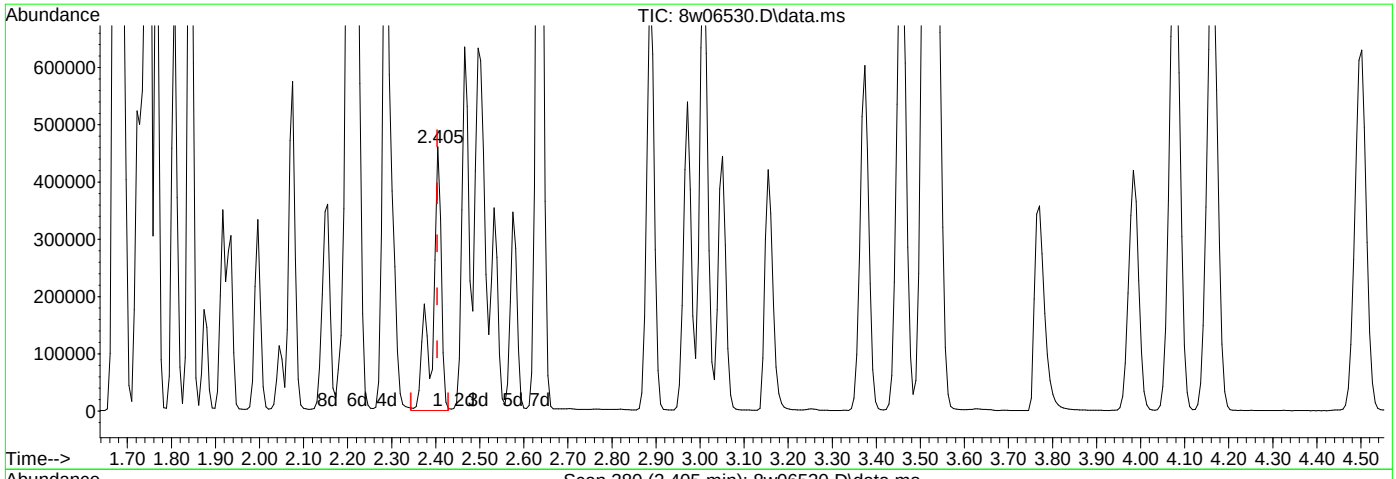
Sample Number:	V8W250-BSD	**Method:**	TO-15
Lab FileID:	8W06530.D	**Analyst approved:**	08/01/24 04:03 Kristel Valladolid
Injection Time:	07/31/24 13:55	**Supervisor approved:**	08/01/24 11:08 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06530.D
Acq On : 31 Jul 2024 01:55 pm
Operator : thomash
Sample : bsd Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:07:58 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



TIC: 8w06530.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.001) 13.78PPBV

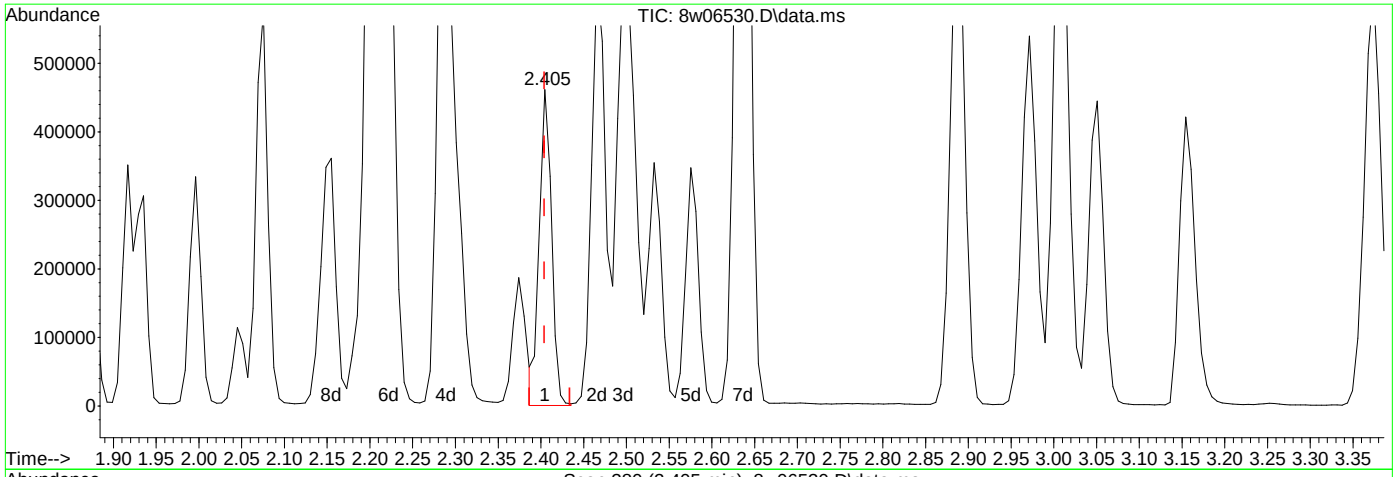
response 653676

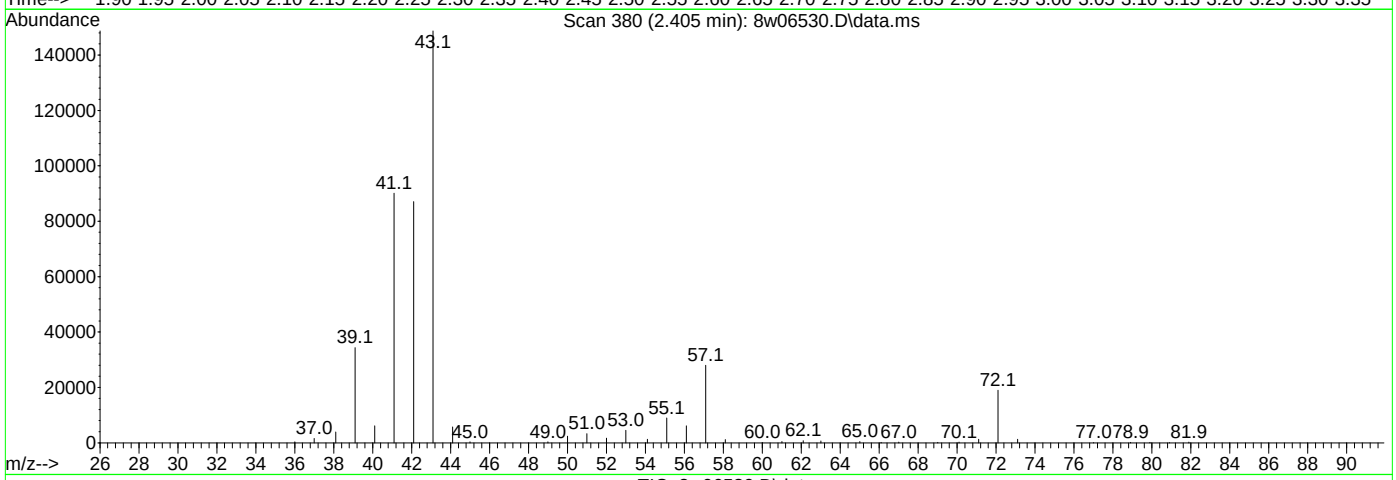
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06530.D
Acq On : 31 Jul 2024 01:55 pm
Operator : thomash
Sample : bsd Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:07:58 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration





TIC: 8w06530.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.001) 9.67PPBV m

response 458713

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/01/24 19:01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05813.D
Acq On : 30 Mar 2024 11:50 am
Operator : taylors
Sample : bs
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 01 17:40:09 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.280	128	76258	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	371052	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.135	117	346063	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.280	128	76258	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.495	95	234789	9.05	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.663	65	53711m	8.48	PPBV		
4) CHLORODIFLUOROMETHANE	1.676	67	21682	7.94	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.689	116	125961	9.55	PPBV		91
6) DICHLORODIFLUOROMETHANE	1.705	85	241704	8.99	PPBV		100
7) PROPYLENE	1.685	41	81308	8.38	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.743	65	170855	9.04	PPBV		97
9) FREON 114	1.775	85	208904	9.01	PPBV		92
10) CHLOROMETHANE	1.746	52	31398	9.43	PPBV		97
11) VINYL CHLORIDE	1.811	62	98780	8.96	PPBV		98
12) 1,3-BUTADIENE	1.849	54	85177	9.41	PPBV		94
13) N-BUTANE	1.865	43	169609	9.47	PPBV		97
14) BROMOMETHANE	1.923	94	79275	9.31	PPBV		100
15) CHLOROETHANE	1.975	64	50002	8.45	PPBV		96
16) DICHLOROFLUOROMETHANE	1.997	67	181327	8.62	PPBV		98
17) ACETONITRILE	2.068	41	107838	9.17	PPBV		99
18) ACROLEIN	2.107	56	49971	8.47	PPBV		99
19) FREON 123	2.119	83	184111	8.57	PPBV		96
20) FREON 123A	2.139	117	115389	9.80	PPBV		83
21) TRICHLOROFLUOROMETHANE	2.203	101	217289	9.39	PPBV		98
22) ISOPROPYL ALCOHOL	2.229	45	228913	9.02	PPBV		98
23) ACETONE	2.148	58	54159	7.89	PPBV		85
24) PENTANE	2.319	42	121912	9.54	PPBV		97
25) IODOMETHANE	2.377	142	231589	10.10	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.406	96	83462	9.20	PPBV		96
27) CARBON DISULFIDE	2.537	76	198246	8.48	PPBV		96
28) ETHANOL	2.007	45	56193	9.64	PPBV		100
29) BROMOETHENE	2.074	106	79356	9.37	PPBV		97
30) ACRYLONITRILE	2.290	52	82418	9.41	PPBV		100
31) METHYLENE CHLORIDE	2.441	84	74985	8.77	PPBV		87
32) 3-CHLOROPROPENE	2.483	76	37864	8.47	PPBV		63
33) FREON 113	2.537	151	145692	10.14	PPBV		93
34) TRANS-1,2-DICHLOROETHENE	2.766	96	92294	8.96	PPBV		91
35) TERTIARY BUTYL ALCOHOL	2.435	59	204365	8.29	PPBV	#	88
36) METHYL TERTIARY BUTYL ...	2.878	73	227833	7.44	PPBV		99
37) TETRAHYDROFURAN	3.573	72	44429	8.23	PPBV		85
38) HEXANE	3.335	57	185471	8.71	PPBV		97
39) VINYL ACETATE	2.914	86	23994	8.87	PPBV		92
40) 1,1-DICHLOROETHANE	2.840	63	177155	8.37	PPBV		100
41) METHYL ETHYL KETONE	3.013	72	45825	7.97	PPBV		75
42) CIS-1,2-DICHLOROETHENE	3.206	96	100845	9.05	PPBV		91
43) DIISOPROPYL ETHER	3.341	59	54077	8.52	PPBV		86
44) ETHYL ACETATE	3.344	61	34391	9.17	PPBV		87
45) METHYL ACRYLATE	3.332	55	232280	8.95	PPBV	#	99
46) CHLOROFORM	3.354	83	184537	8.61	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.849	57	219659	8.57	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.926	97	176955	9.14	PPBV		98
49) CARBON TETRACHLORIDE	4.351	117	190180	10.87	PPBV		100
50) 1,2-DICHLOROETHANE	3.762	62	136638	8.16	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05813.D
Acq On : 30 Mar 2024 11:50 am
Operator : taylors
Sample : bs
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 01 17:40:09 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.238	78	277652	8.13	PPBV	98
53)	CYCLOHEXANE	4.447	84	127569	9.01	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.701	71	65103	8.66	PPBV	93
55)	TRICHLOROETHENE	5.139	95	130903	9.54	PPBV	93
56)	1,2-DICHLOROPROPANE	4.904	63	120514	8.92	PPBV	98
57)	DIBROMOMETHANE	4.862	174	123620	9.89	PPBV	94
58)	ETHYL ACRYLATE	5.029	55	288637	9.47	PPBV	99
59)	BROMODICHLOROMETHANE	5.084	83	199054	10.34	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.232	57	598306	9.06	PPBV	99
61)	1,4-DIOXANE	5.164	88	74347	9.46	PPBV	96
62)	HEPTANE	5.550	43	227413	9.73	PPBV	94
63)	METHYL METHACRYLATE	5.444	69	108959	8.69	PPBV	90
64)	METHYL ISOBUTYL KETONE	6.196	58	126743	9.17	PPBV	91
65)	CIS-1,3-DICHLOROPROPENE	6.074	75	148397	9.12	PPBV	97
66)	TOLUENE	7.280	91	360907	9.26	PPBV	98
67)	1,3-DICHLOROPROPANE	7.338	76	175012	8.94	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.753	75	123158	8.59	PPBV	97
69)	1,1,2-TRICHLOROETHANE	6.907	83	100928	8.97	PPBV	95
70)	2-HEXANONE	7.878	58	204987	8.95	PPBV	94
71)	ETHYL METHACRYLATE	7.987	69	178031	8.91	PPBV	90
72)	TETRACHLOROETHENE	9.010	164	143106	9.77	PPBV	99
73)	DIBROMOCHLOROMETHANE	7.811	129	213616	12.25	PPBV	100
74)	1,2-DIBROMOETHANE	8.155	107	199342	10.32	PPBV	99
75)	OCTANE	9.158	43	318182	9.72	PPBV	95
77)	1,1,1,2-TETRACHLOROETHANE	10.225	131	158183	11.84	PPBV	95
78)	CHLOROBENZENE	10.212	112	311604	9.69	PPBV	94
79)	ETHYLBENZENE	11.097	91	479208	9.24	PPBV	99
80)	M,P-XYLENE	11.524	91	729084	18.16	PPBV	98
81)	O-XYLENE	12.457	91	372783	9.13	PPBV	96
82)	STYRENE	12.241	104	295305	9.78	PPBV	96
83)	NONANE	13.579	43	334914	9.78	PPBV	93
84)	BROMOFORM	11.331	173	194175	12.96	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.470	83	268864	9.13	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.749	75	207402	8.78	PPBV	100
88)	ISOPROPYLBENZENE	13.971	120	155117	9.99	PPBV	90
89)	BROMOBENZENE	13.836	77	255078	8.54	PPBV	84
90)	2-CHLOROTOLUENE	14.971	126	144950	10.11	PPBV	98
91)	N-PROPYLBENZENE	15.312	120	160671	9.95	PPBV	98
92)	4-ETHYLTOLUENE	15.756	105	551469	9.60	PPBV	96
93)	1,3,5-TRIMETHYLBENZENE	16.006	105	451396	9.35	PPBV	95
94)	ALPHA-METHYLSTYRENE	16.280	118	220612	10.31	PPBV	99
95)	TERT-BUTYLBENZENE	16.575	134	118968	9.83	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.585	105	464121	9.47	PPBV	94
97)	BENZYL CHLORIDE	16.675	91	208226	7.97	PPBV	95
98)	M-DICHLOROBENZENE	16.646	146	327204	10.01	PPBV	98
99)	P-DICHLOROBENZENE	16.736	146	332061	10.12	PPBV	98
100)	O-DICHLOROBENZENE	17.048	146	311484	9.93	PPBV	98
101)	SEC-BUTYLBENZENE	16.878	134	148674	10.03	PPBV	87
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	461103	9.29	PPBV	95
103)	P-ISOPROPYLTOLUENE	17.067	134	162255	10.01	PPBV	95
104)	N-BUTYLBENZENE	17.427	134	153619	9.92	PPBV	88
105)	HEXACHLOROETHANE	17.604	117	161645	12.97	PPBV	98
106)	HEXACHLOROBUTADIENE	18.653	225	212331	9.81	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.344	180	270432	9.30	PPBV	99
108)	NAPHTHALENE	18.392	128	648508	8.91	PPBV	100
110)	TVHC as equiv Pentane	2.319	TIC	549301	9.40	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05813.D
Acq On : 30 Mar 2024 11:50 am
Operator : taylors
Sample : bs
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 01 17:40:09 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

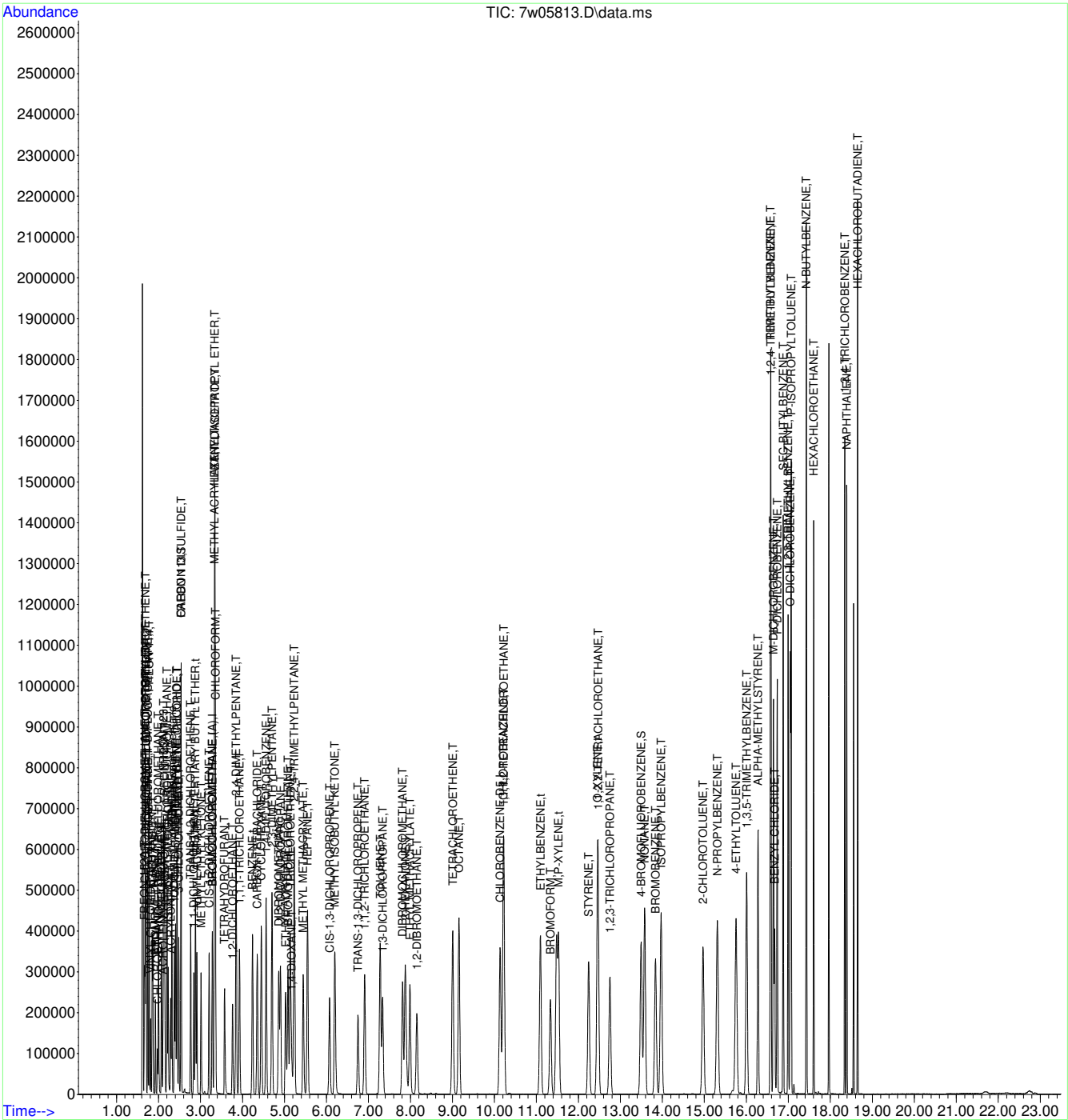
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05813.D
Acq On : 30 Mar 2024 11:50 am
Operator : taylors
Sample : bs
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 01 17:40:09 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



Manual Integration Approval Summary

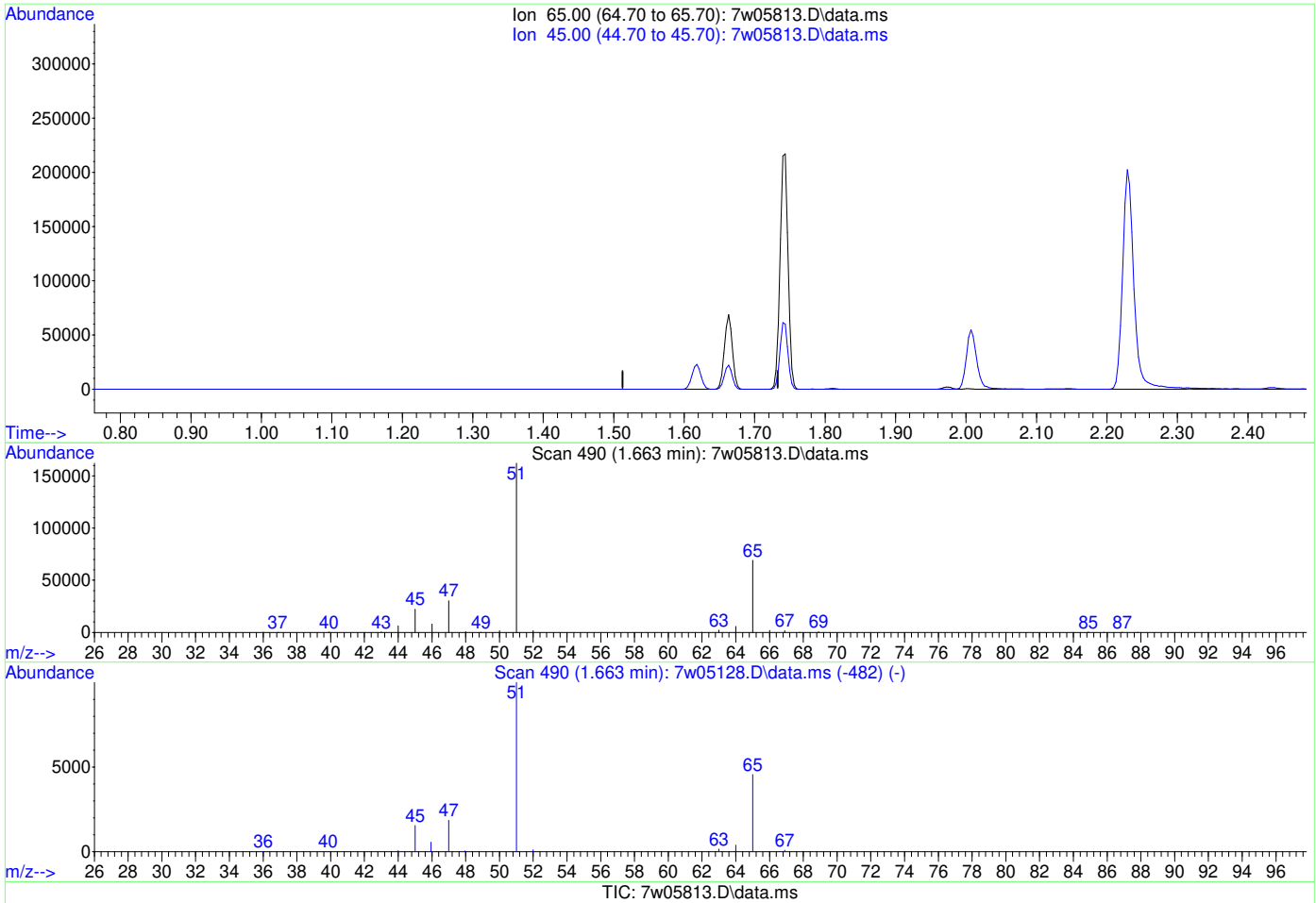
Sample Number:	V7W222-BS	**Method:**	TO-15
Lab FileID:	7W05813.D	**Analyst approved:**	04/01/24 18:01 Thomas Hilbig
Injection Time:	03/30/24 11:50	**Supervisor approved:**	04/01/24 19:01 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.66	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05813.D
Acq On : 30 Mar 2024 11:50 am
Operator : taylors
Sample : bs
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 12:16:25 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



TIC: 7w05813.D\data.ms

(3) FREON 152A (T)

1.663min (-1.663) 0.00PPBV

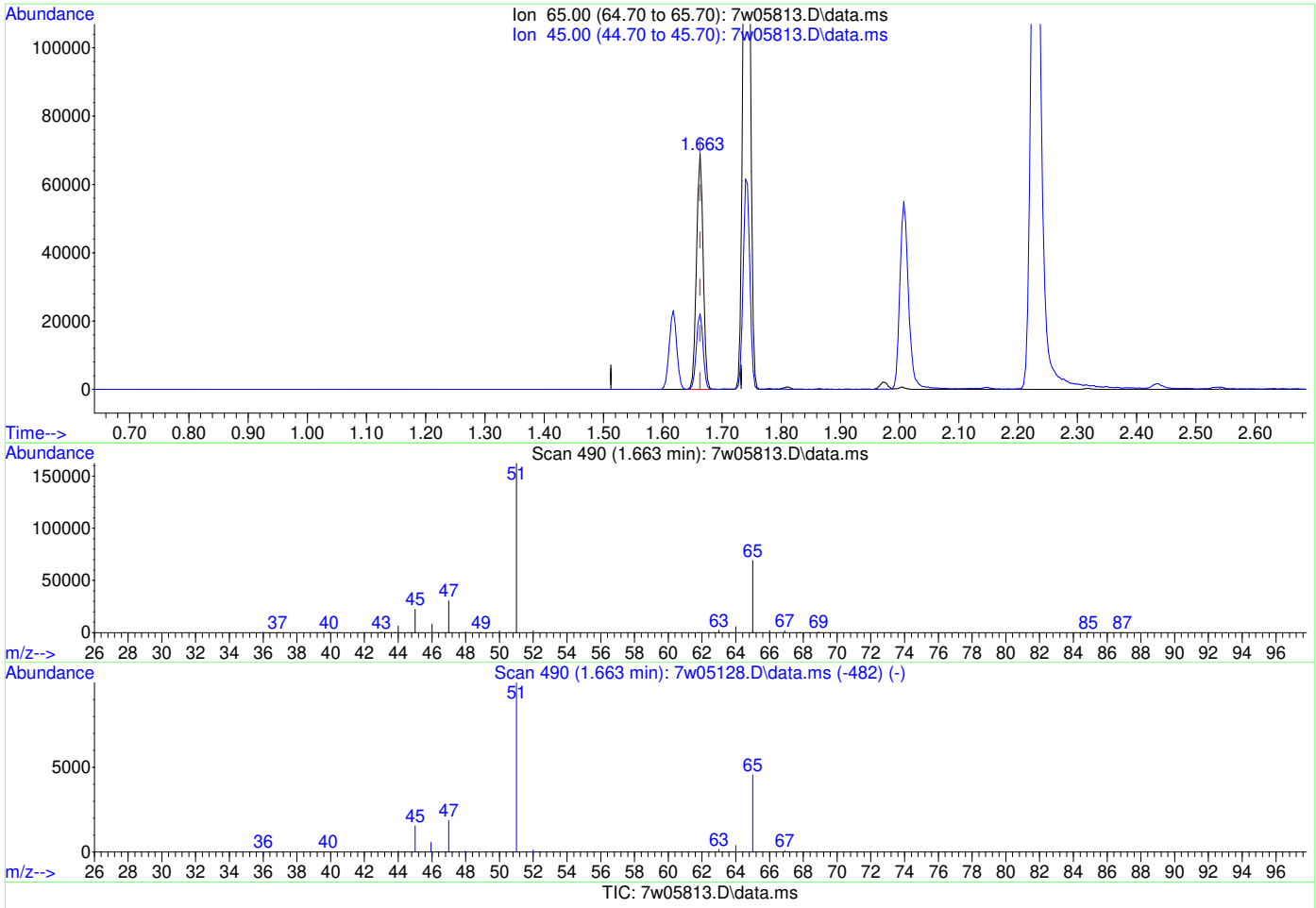
response 0

Ion	Exp%	Act%
65.00	100	0.00
45.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05813.D
Acq On : 30 Mar 2024 11:50 am
Operator : taylors
Sample : bs
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 12:16:25 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



TIC: 7w05813.D\data.ms

(3) FREON 152A (T)

1.663min (0.000) 8.48PPBV m

response 53711

Ion	Exp%	Act%
65.00	100	100
45.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05814.D
Acq On : 30 Mar 2024 12:25 pm
Operator : taylors
Sample : bsd
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 01 17:40:44 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.283	128	76297	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	368461	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.138	117	344284	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.283	128	76299	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.498	95	233475	9.05	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.666	65	53699	8.47	PPBV	#	100
4) CHLORODIFLUOROMETHANE	1.679	67	21696	7.94	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.689	116	126948	9.62	PPBV		92
6) DICHLORODIFLUOROMETHANE	1.705	85	244864	9.10	PPBV		100
7) PROPYLENE	1.689	41	81832	8.43	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.743	65	171387	9.06	PPBV		97
9) FREON 114	1.779	85	210428	9.07	PPBV		92
10) CHLOROMETHANE	1.750	52	31907	9.57	PPBV		98
11) VINYL CHLORIDE	1.811	62	99069	8.98	PPBV		98
12) 1,3-BUTADIENE	1.849	54	85145	9.40	PPBV		94
13) N-BUTANE	1.865	43	170661	9.52	PPBV		97
14) BROMOMETHANE	1.927	94	79648	9.35	PPBV		99
15) CHLOROETHANE	1.975	64	50690	8.57	PPBV		87
16) DICHLOROFLUOROMETHANE	2.001	67	182080	8.65	PPBV		98
17) ACETONITRILE	2.071	41	106553	9.06	PPBV		98
18) ACROLEIN	2.110	56	49813	8.44	PPBV		98
19) FREON 123	2.123	83	184839	8.60	PPBV		95
20) FREON 123A	2.139	117	116996	9.93	PPBV		82
21) TRICHLOROFLUOROMETHANE	2.203	101	219637	9.49	PPBV		99
22) ISOPROPYL ALCOHOL	2.232	45	228763	9.01	PPBV		97
23) ACETONE	2.152	58	53839	7.84	PPBV		85
24) PENTANE	2.319	42	120465	9.42	PPBV		99
25) IODOMETHANE	2.380	142	232841	10.15	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.406	96	82849	9.12	PPBV		97
27) CARBON DISULFIDE	2.537	76	199047	8.51	PPBV		96
28) ETHANOL	2.010	45	56866	9.75	PPBV		100
29) BROMOETHENE	2.078	106	80053	9.45	PPBV		99
30) ACRYLONITRILE	2.290	52	82698	9.44	PPBV		99
31) METHYLENE CHLORIDE	2.444	84	75297	8.81	PPBV		90
32) 3-CHLOROPROPENE	2.483	76	38482	8.61	PPBV		67
33) FREON 113	2.537	151	146280	10.17	PPBV		93
34) TRANS-1,2-DICHLOROETHENE	2.766	96	92954	9.02	PPBV		91
35) TERTIARY BUTYL ALCOHOL	2.438	59	206756	8.38	PPBV	#	89
36) METHYL TERTIARY BUTYL ...	2.878	73	229504	7.49	PPBV		99
37) TETRAHYDROFURAN	3.573	72	44738	8.28	PPBV		85
38) HEXANE	3.335	57	187424	8.80	PPBV		98
39) VINYL ACETATE	2.914	86	24622	9.09	PPBV		98
40) 1,1-DICHLOROETHANE	2.843	63	179797	8.49	PPBV		99
41) METHYL ETHYL KETONE	3.013	72	46616	8.10	PPBV		79
42) CIS-1,2-DICHLOROETHENE	3.206	96	101248	9.08	PPBV		92
43) DIISOPROPYL ETHER	3.341	59	54663	8.60	PPBV		87
44) ETHYL ACETATE	3.345	61	35059	9.34	PPBV		91
45) METHYL ACRYLATE	3.332	55	234393	9.03	PPBV	#	99
46) CHLOROFORM	3.354	83	184110	8.59	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.849	57	221347	8.63	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.930	97	177967	9.19	PPBV		98
49) CARBON TETRACHLORIDE	4.351	117	192089	10.98	PPBV		100
50) 1,2-DICHLOROETHANE	3.763	62	137760	8.23	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05814.D
Acq On : 30 Mar 2024 12:25 pm
Operator : taylors
Sample : bsd
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 01 17:40:44 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.238	78	279893	8.19	PPBV	98
53)	CYCLOHEXANE	4.447	84	128996	9.17	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.705	71	64910	8.69	PPBV	91
55)	TRICHLOROETHENE	5.139	95	131727	9.67	PPBV	93
56)	1,2-DICHLOROPROPANE	4.904	63	120891	9.02	PPBV	98
57)	DIBROMOMETHANE	4.862	174	126324	10.18	PPBV	93
58)	ETHYL ACRYLATE	5.026	55	290385	9.59	PPBV	99
59)	BROMODICHLOROMETHANE	5.084	83	200749	10.50	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.232	57	599709	9.15	PPBV	99
61)	1,4-DIOXANE	5.168	88	75689	9.70	PPBV	94
62)	HEPTANE	5.550	43	227592	9.80	PPBV	94
63)	METHYL METHACRYLATE	5.447	69	110877	8.91	PPBV	92
64)	METHYL ISOBUTYL KETONE	6.200	58	126902	9.25	PPBV	91
65)	CIS-1,3-DICHLOROPROPENE	6.071	75	151160	9.36	PPBV	98
66)	TOLUENE	7.280	91	362342	9.37	PPBV	98
67)	1,3-DICHLOROPROPANE	7.338	76	173717	8.93	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.753	75	126344	8.87	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.910	83	102450	9.17	PPBV	96
70)	2-HEXANONE	7.875	58	201701	8.86	PPBV	93
71)	ETHYL METHACRYLATE	7.987	69	181006	9.13	PPBV	92
72)	TETRACHLOROETHENE	9.010	164	145324	9.99	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.811	129	216089	12.48	PPBV	100
74)	1,2-DIBROMOETHANE	8.155	107	201866	10.52	PPBV	99
75)	OCTANE	9.155	43	319334	9.83	PPBV	95
77)	1,1,1,2-TETRACHLOROETHANE	10.225	131	160394	12.06	PPBV	95
78)	CHLOROBENZENE	10.212	112	314438	9.83	PPBV	93
79)	ETHYLBENZENE	11.097	91	481767	9.34	PPBV	99
80)	M,P-XYLENE	11.524	91	734778	18.39	PPBV	97
81)	O-XYLENE	12.460	91	375696	9.24	PPBV	97
82)	STYRENE	12.244	104	298936	9.96	PPBV	96
83)	NONANE	13.579	43	333531	9.79	PPBV	93
84)	BROMOFORM	11.331	173	197529	13.26	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.466	83	273284	9.33	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.749	75	209334	8.91	PPBV	100
88)	ISOPROPYLBENZENE	13.971	120	155874	10.09	PPBV	91
89)	BROMOBENZENE	13.839	77	258246	8.70	PPBV	83
90)	2-CHLOROTOLUENE	14.971	126	147918	10.37	PPBV	99
91)	N-PROPYLBENZENE	15.312	120	163711	10.19	PPBV	97
92)	4-ETHYLTOLUENE	15.756	105	557980	9.76	PPBV	97
93)	1,3,5-TRIMETHYLBENZENE	16.006	105	461359	9.61	PPBV	96
94)	ALPHA-METHYLSTYRENE	16.276	118	222716	10.46	PPBV	98
95)	TERT-BUTYLBENZENE	16.575	134	121751	10.11	PPBV	98
96)	1,2,4-TRIMETHYLBENZENE	16.585	105	474495	9.74	PPBV	94
97)	BENZYL CHLORIDE	16.675	91	215749	8.30	PPBV	95
98)	M-DICHLOROBENZENE	16.646	146	330848	10.18	PPBV	98
99)	P-DICHLOROBENZENE	16.736	146	336099	10.30	PPBV	98
100)	O-DICHLOROBENZENE	17.048	146	317701	10.18	PPBV	97
101)	SEC-BUTYLBENZENE	16.878	134	149963	10.17	PPBV	88
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	468475	9.49	PPBV	95
103)	P-ISOPROPYLTOLUENE	17.067	134	165283	10.25	PPBV	93
104)	N-BUTYLBENZENE	17.424	134	157841	10.24	PPBV	86
105)	HEXACHLOROETHANE	17.604	117	162930	13.14	PPBV	98
106)	HEXACHLOROBUTADIENE	18.649	225	214960	9.98	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.341	180	275260	9.52	PPBV	99
108)	NAPHTHALENE	18.389	128	666350	9.20	PPBV	100
110)	TVHC as equiv Pentane	2.319	TIC	558327	9.55	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05814.D
Acq On : 30 Mar 2024 12:25 pm
Operator : taylors
Sample : bsd
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 01 17:40:44 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

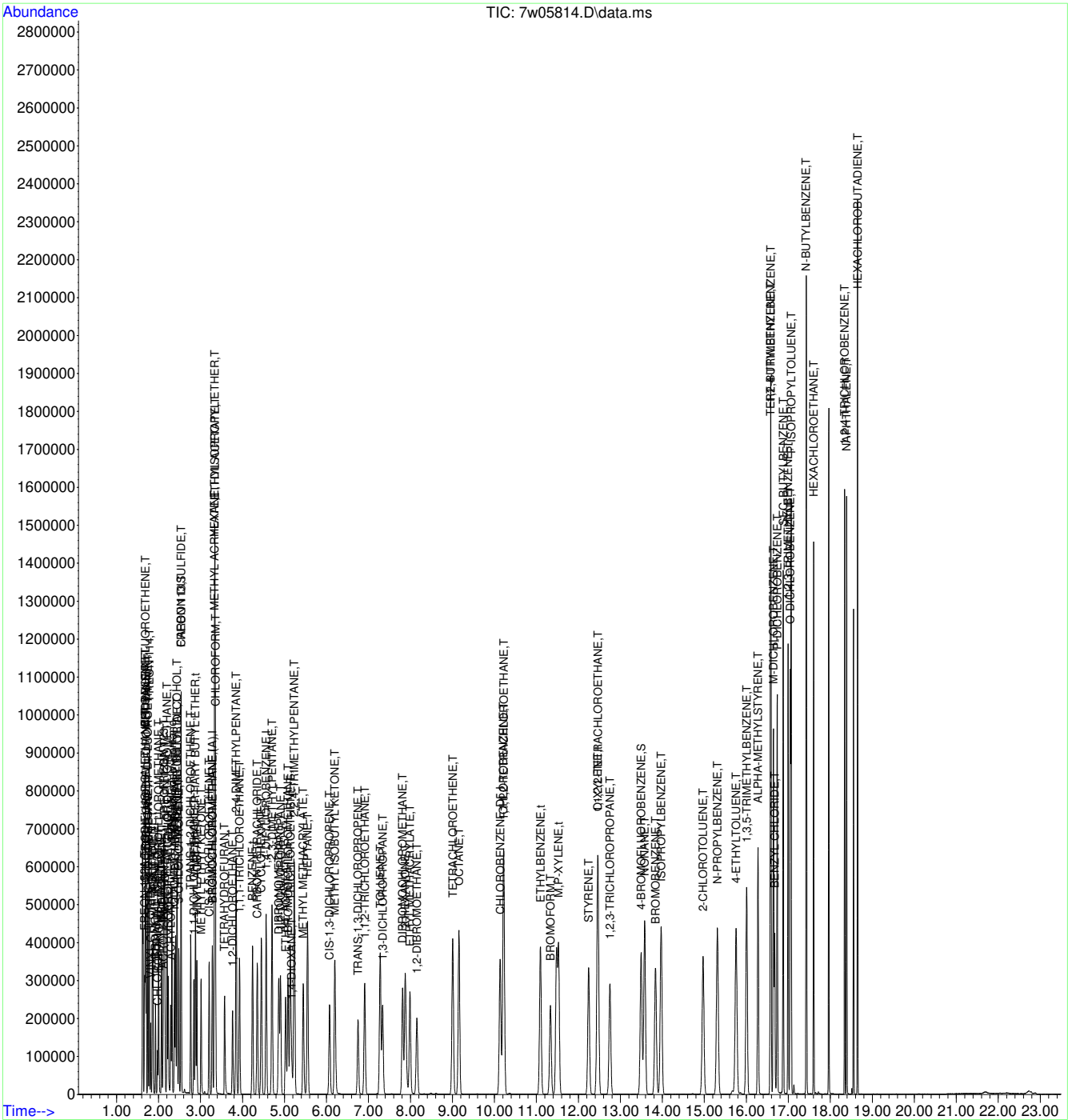
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05814.D
Acq On : 30 Mar 2024 12:25 pm
Operator : taylors
Sample : bsd
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 01 17:40:44 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\GCMS7W\
Data File : 7w06243.d
Acq On : 19 Apr 2024 7:58 pm
Operator : benk
Sample : bs
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 22 22:53:22 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Mar 06 12:35:14 2024
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	3.283	128	65723	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	305957	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.135	117	291112	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.283	128	65723	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.495	95	201939	9.25	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.666	65	46703	8.55	PPBV	#	100
4) CHLORODIFLUOROMETHANE	1.676	67	19620	8.33	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.689	116	118692	10.44	PPBV		94
6) DICHLORODIFLUOROMETHANE	1.705	85	233923	10.10	PPBV		98
7) PROPYLENE	1.685	41	71433	8.54	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.743	65	175576	10.78	PPBV		96
9) FREON 114	1.779	85	228792	11.45	PPBV		94
10) CHLOROMETHANE	1.750	52	33149	11.55	PPBV		96
11) VINYL CHLORIDE	1.811	62	104708	11.02	PPBV		99
12) 1,3-BUTADIENE	1.849	54	92035	11.80	PPBV		87
13) N-BUTANE	1.865	43	197834	12.81	PPBV		95
14) BROMOMETHANE	1.926	94	84997	11.58	PPBV		99
15) CHLOROETHANE	1.975	64	54352	10.66	PPBV		95
16) DICHLOROFLUOROMETHANE	2.000	67	201531	11.12	PPBV		98
17) ACETONITRILE	2.071	41	123717	12.21	PPBV		99
18) ACROLEIN	2.110	56	49386	9.71	PPBV		99
19) FREON 123	2.123	83	200714	10.85	PPBV		95
20) FREON 123A	2.139	117	125186	12.33	PPBV		86
21) TRICHLOROFLUOROMETHANE	2.203	101	241798	12.12	PPBV		100
22) ISOPROPYL ALCOHOL	2.235	45	252932	11.56	PPBV		99
23) ACETONE	2.152	58	56750	9.59	PPBV		69
24) PENTANE	2.319	42	131200	11.92	PPBV		98
25) IODOMETHANE	2.380	142	249891	12.64	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.406	96	87601	11.20	PPBV		91
27) CARBON DISULFIDE	2.541	76	213469	10.59	PPBV	#	93
28) ETHANOL	2.010	45	64729	12.88	PPBV		99
29) BROMOETHENE	2.078	106	85003	11.64	PPBV		96
30) ACRYLONITRILE	2.290	52	87816	11.64	PPBV		97
31) METHYLENE CHLORIDE	2.441	84	74495	10.11	PPBV		91
32) 3-CHLOROPROPENE	2.483	76	38832	10.08	PPBV		74
33) FREON 113	2.537	151	154646	12.48	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	2.769	96	83650	9.43	PPBV		86
35) TERTIARY BUTYL ALCOHOL	2.444	59	213077	10.03	PPBV		93
36) METHYL TERTIARY BUTYL ...	2.881	73	219761	8.33	PPBV		99
37) TETRAHYDROFURAN	3.576	72	38834	8.35	PPBV		94
38) HEXANE	3.335	57	152668	8.32	PPBV		99
39) VINYL ACETATE	2.914	86	22454	9.63	PPBV		83
40) 1,1-DICHLOROETHANE	2.843	63	150829	8.27	PPBV		99
41) METHYL ETHYL KETONE	3.013	72	40263	8.13	PPBV		94
42) CIS-1,2-DICHLOROETHENE	3.206	96	89197	9.29	PPBV		88
43) DIISOPROPYL ETHER	3.341	59	44283	8.09	PPBV		89
44) ETHYL ACETATE	3.348	61	28520	8.83	PPBV		97
45) METHYL ACRYLATE	3.332	55	189492	8.47	PPBV	#	99
46) CHLOROFORM	3.357	83	164158	8.89	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.849	57	182376	8.25	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.930	97	169319	10.15	PPBV		94
49) CARBON TETRACHLORIDE	4.351	117	179387	11.90	PPBV		100
50) 1,2-DICHLOROETHANE	3.766	62	116340	8.06	PPBV		99
51) BENZENE	4.242	78	244921	8.32	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\GCMS7W\
Data File : 7w06243.d
Acq On : 19 Apr 2024 7:58 pm
Operator : benk
Sample : bs
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 22 22:53:22 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Mar 06 12:35:14 2024
Response via : Initial Calibration

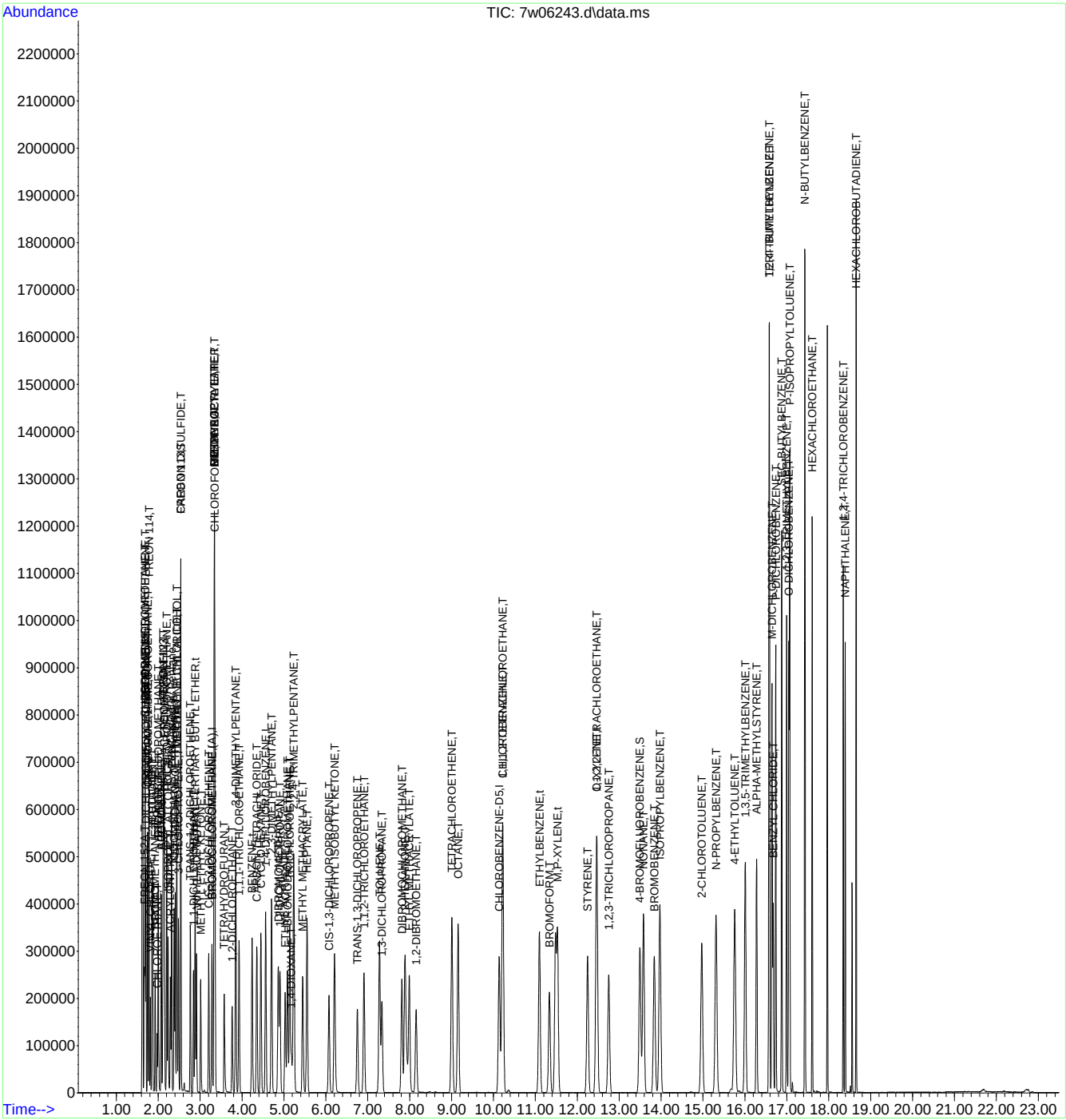
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) CYCLOHEXANE	4.450	84	109328	9.36	PPBV		96
54) 2,3-DIMETHYLPENTANE	4.708	71	55384	8.93	PPBV		99
55) TRICHLOROETHENE	5.139	95	116203	10.27	PPBV		88
56) 1,2-DICHLOROPROPANE	4.907	63	100121	8.99	PPBV		99
57) DIBROMOMETHANE	4.862	174	113716	11.03	PPBV		92
58) ETHYL ACRYLATE	5.029	55	242072	9.63	PPBV		99
59) BROMODICHLOROMETHANE	5.084	83	172897	10.89	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	5.232	57	508521	9.34	PPBV		99
61) 1,4-DIOXANE	5.180	88	71153	10.98	PPBV	#	75
62) HEPTANE	5.550	43	182740	9.48	PPBV		98
63) METHYL METHACRYLATE	5.450	69	95688	9.26	PPBV		97
64) METHYL ISOBUTYL KETONE	6.203	58	108784	9.55	PPBV		95
65) CIS-1,3-DICHLOROPROPENE	6.074	75	134088	10.00	PPBV		97
66) TOLUENE	7.283	91	314991	9.80	PPBV		99
67) 1,3-DICHLOROPROPANE	7.335	76	148105	9.17	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.753	75	118926	10.06	PPBV		96
69) 1,1,2-TRICHLOROETHANE	6.910	83	87722	9.46	PPBV		94
70) 2-HEXANONE	7.891	58	228633	12.10	PPBV		96
71) ETHYL METHACRYLATE	7.991	69	162284	9.86	PPBV		94
72) TETRACHLOROETHENE	9.007	164	138593	11.47	PPBV		99
73) DIBROMOCHLOROMETHANE	7.810	129	195015	13.57	PPBV		100
74) 1,2-DIBROMOETHANE	8.155	107	176938	11.10	PPBV		96
75) OCTANE	9.154	43	256530	9.51	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	10.228	131	152928	13.60	PPBV		91
78) CHLOROBENZENE	10.212	112	283794	10.49	PPBV		92
79) ETHYLBENZENE	11.097	91	421996	9.67	PPBV		97
80) M,P-XYLENE	11.527	91	649605	19.23	PPBV		97
81) O-XYLENE	12.457	91	332933	9.69	PPBV		95
82) STYRENE	12.244	104	263229	10.37	PPBV		97
83) NONANE	13.579	43	269670	9.36	PPBV		96
84) BROMOFORM	11.334	173	184708	14.66	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	12.469	83	230461	9.31	PPBV		96
86) 1,2,3-TRICHLOROPROPANE	12.749	75	178336	8.98	PPBV		100
88) ISOPROPYLBENZENE	13.971	120	143871	11.01	PPBV		88
89) BROMOBENZENE	13.833	77	227660	9.07	PPBV		81
90) 2-CHLOROTOLUENE	14.971	126	136289	11.30	PPBV		100
91) N-PROPYLBENZENE	15.315	120	149482	11.01	PPBV		97
92) 4-ETHYLTOLUENE	15.756	105	504825	10.44	PPBV		96
93) 1,3,5-TRIMETHYLBENZENE	16.010	105	422453	10.41	PPBV		95
94) ALPHA-METHYLSTYRENE	16.280	118	177840	9.88	PPBV		98
95) TERT-BUTYLBENZENE	16.575	134	111675	10.97	PPBV		100
96) 1,2,4-TRIMETHYLBENZENE	16.585	105	431262	10.47	PPBV		92
97) BENZYL CHLORIDE	16.675	91	212474	9.67	PPBV		94
98) M-DICHLOROBENZENE	16.646	146	305762	11.12	PPBV		98
99) P-DICHLOROBENZENE	16.736	146	308178	11.17	PPBV		98
100) O-DICHLOROBENZENE	17.048	146	287110	10.88	PPBV		98
101) SEC-BUTYLBENZENE	16.878	134	137340	11.01	PPBV		84
102) 1,2,3-TRIMETHYLBENZENE	16.997	105	422685	10.13	PPBV		95
103) P-ISOPROPYLTOLUENE	17.067	134	150652	11.05	PPBV		96
104) N-BUTYLBENZENE	17.427	134	143084	10.98	PPBV		77
105) HEXACHLOROETHANE	17.604	117	145730	13.90	PPBV		99
106) HEXACHLOROBUTADIENE	18.656	225	178172	9.79	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	18.347	180	200696	8.21	PPBV		99
108) NAPHTHALENE	18.392	128	423102	6.91	PPBV		100
110) TVHC as equiv Pentane	2.319	TIC	598333	11.88	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\GCMS7W\
Data File : 7w06243.d
Acq On : 19 Apr 2024 7:58 pm
Operator : benk
Sample : bs
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 22 22:53:22 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Wed Mar 06 12:35:14 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w06244.D
Acq On : 19 Apr 2024 8:33 pm
Operator : benk
Sample : bsd
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 20 08:08:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.283	128	67488	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	316343	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.138	117	297919	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.283	128	67541	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.495	95	207364	9.28	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.666	65	46818	8.35	PPBV	#	100
4) CHLORODIFLUOROMETHANE	1.679	67	19257	7.96	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.692	116	117231	10.04	PPBV		93
6) DICHLORODIFLUOROMETHANE	1.708	85	228136	9.59	PPBV		98
7) PROPYLENE	1.688	41	70733	8.23	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.746	65	154666	9.25	PPBV		98
9) FREON 114	1.782	85	217006	10.58	PPBV		93
10) CHLOROMETHANE	1.753	52	27636	9.37	PPBV		98
11) VINYL CHLORIDE	1.814	62	102247	10.48	PPBV		99
12) 1,3-BUTADIENE	1.852	54	91556	11.43	PPBV		89
13) N-BUTANE	1.869	43	195838	12.35	PPBV		94
14) BROMOMETHANE	1.926	94	83582	11.09	PPBV		100
15) CHLOROETHANE	1.978	64	53981	10.31	PPBV		85
16) DICHLOROFLUOROMETHANE	2.000	67	197879	10.63	PPBV		98
17) ACETONITRILE	2.071	41	122086	11.74	PPBV		98
18) ACROLEIN	2.110	56	48520	9.29	PPBV		100
19) FREON 123	2.123	83	197043	10.37	PPBV		95
20) FREON 123A	2.139	117	123478	11.85	PPBV		85
21) TRICHLOROFLUOROMETHANE	2.206	101	242939	11.86	PPBV		99
22) ISOPROPYL ALCOHOL	2.235	45	263454	11.73	PPBV		98
23) ACETONE	2.151	58	56756	9.34	PPBV		74
24) PENTANE	2.322	42	131564	11.64	PPBV		97
25) IODOMETHANE	2.380	142	247379	12.19	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.409	96	87207	10.86	PPBV		90
27) CARBON DISULFIDE	2.541	76	209183	10.11	PPBV		93
28) ETHANOL	2.010	45	63321	12.27	PPBV		100
29) BROMOETHENE	2.078	106	83494	11.14	PPBV		97
30) ACRYLONITRILE	2.290	52	87929	11.35	PPBV		98
31) METHYLENE CHLORIDE	2.444	84	74532	9.85	PPBV		89
32) 3-CHLOROPROPENE	2.483	76	39065	9.88	PPBV		70
33) FREON 113	2.537	151	153178	12.04	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.769	96	83799	9.20	PPBV		85
35) TERTIARY BUTYL ALCOHOL	2.441	59	212619	9.74	PPBV		92
36) METHYL TERTIARY BUTYL ...	2.881	73	217934	8.04	PPBV		99
37) TETRAHYDROFURAN	3.576	72	38765	8.12	PPBV		95
38) HEXANE	3.335	57	151804	8.06	PPBV		99
39) VINYL ACETATE	2.913	86	22187	9.26	PPBV		84
40) 1,1-DICHLOROETHANE	2.843	63	149472	7.98	PPBV		99
41) METHYL ETHYL KETONE	3.013	72	40151	7.89	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.206	96	89039	9.03	PPBV		87
43) DIISOPROPYL ETHER	3.341	59	43399	7.72	PPBV		87
44) ETHYL ACETATE	3.348	61	28462	8.58	PPBV		98
45) METHYL ACRYLATE	3.331	55	189108	8.24	PPBV	#	99
46) CHLOROFORM	3.354	83	163127	8.60	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.849	57	181024	7.98	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.930	97	168363	9.83	PPBV		95
49) CARBON TETRACHLORIDE	4.354	117	178103	11.51	PPBV		100
50) 1,2-DICHLOROETHANE	3.766	62	115325	7.79	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w06244.D
Acq On : 19 Apr 2024 8:33 pm
Operator : benk
Sample : bsd
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 20 08:08:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.238	78	245362	8.12	PPBV	98
53)	CYCLOHEXANE	4.447	84	108249	8.96	PPBV	97
54)	2,3-DIMETHYLPENTANE	4.704	71	55961	8.73	PPBV	99
55)	TRICHLOROETHENE	5.138	95	117206	10.02	PPBV	89
56)	1,2-DICHLOROPROPANE	4.907	63	99272	8.62	PPBV	99
57)	DIBROMOMETHANE	4.865	174	113212	10.62	PPBV	91
58)	ETHYL ACRYLATE	5.029	55	240526	9.25	PPBV	99
59)	BROMODICHLOROMETHANE	5.084	83	173013	10.54	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.235	57	491891	8.74	PPBV	99
61)	1,4-DIOXANE	5.174	88	67802	10.12	PPBV	87
62)	HEPTANE	5.550	43	181906	9.13	PPBV	97
63)	METHYL METHACRYLATE	5.447	69	94583	8.85	PPBV	97
64)	METHYL ISOBUTYL KETONE	6.206	58	107229	9.10	PPBV	93
65)	CIS-1,3-DICHLOROPROPENE	6.074	75	133765	9.64	PPBV	96
66)	TOLUENE	7.280	91	313441	9.44	PPBV	99
67)	1,3-DICHLOROPROPANE	7.338	76	147906	8.86	PPBV	98
68)	TRANS-1,3-DICHLOROPROPENE	6.753	75	117912	9.64	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.910	83	87403	9.12	PPBV	93
70)	2-HEXANONE	7.884	58	199695	10.22	PPBV	94
71)	ETHYL METHACRYLATE	7.990	69	160639	9.44	PPBV	95
72)	TETRACHLOROETHENE	9.007	164	138392	11.08	PPBV	99
73)	DIBROMOCHLOROMETHANE	7.817	129	192691	12.97	PPBV	100
74)	1,2-DIBROMOETHANE	8.154	107	177621	10.78	PPBV	97
75)	OCTANE	9.154	43	255439	9.16	PPBV	98
77)	1,1,1,2-TETRACHLOROETHANE	10.228	131	151781	13.19	PPBV	91
78)	CHLOROBENZENE	10.215	112	282860	10.22	PPBV	93
79)	ETHYLBENZENE	11.096	91	419532	9.39	PPBV	97
80)	M,P-XYLENE	11.527	91	648389	18.75	PPBV	99
81)	O-XYLENE	12.460	91	332166	9.45	PPBV	95
82)	STYRENE	12.244	104	260719	10.03	PPBV	97
83)	NONANE	13.579	43	268530	9.11	PPBV	95
84)	BROMOFORM	11.334	173	179553	13.93	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.469	83	229529	9.06	PPBV	97
86)	1,2,3-TRICHLOROPROPANE	12.752	75	178376	8.78	PPBV	100
88)	ISOPROPYLBENZENE	13.974	120	144019	10.77	PPBV	88
89)	BROMOBENZENE	13.836	77	227580	8.86	PPBV	81
90)	2-CHLOROTOLUENE	14.971	126	136379	11.05	PPBV	99
91)	N-PROPYLBENZENE	15.309	120	151557	10.91	PPBV	96
92)	4-ETHYLTOLUENE	15.755	105	505766	10.22	PPBV	96
93)	1,3,5-TRIMETHYLBENZENE	16.009	105	420409	10.12	PPBV	95
94)	ALPHA-METHYLSTYRENE	16.276	118	176410	9.57	PPBV	97
95)	TERT-BUTYLBENZENE	16.579	134	111178	10.67	PPBV	98
96)	1,2,4-TRIMETHYLBENZENE	16.585	105	426600	10.12	PPBV	91
97)	BENZYL CHLORIDE	16.675	91	213058	9.48	PPBV	94
98)	M-DICHLOROBENZENE	16.646	146	304525	10.82	PPBV	98
99)	P-DICHLOROBENZENE	16.736	146	308751	10.93	PPBV	98
100)	O-DICHLOROBENZENE	17.048	146	284564	10.54	PPBV	98
101)	SEC-BUTYLBENZENE	16.881	134	137688	10.79	PPBV	83
102)	1,2,3-TRIMETHYLBENZENE	16.997	105	423037	9.90	PPBV	95
103)	P-ISOPROPYLTOLUENE	17.067	134	150383	10.78	PPBV	97
104)	N-BUTYLBENZENE	17.427	134	143123	10.73	PPBV	77
105)	HEXACHLOROETHANE	17.607	117	144383	13.46	PPBV	98
106)	HEXACHLOROBUTADIENE	18.656	225	178256	9.57	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.347	180	199609	7.98	PPBV	99
108)	NAPHTHALENE	18.395	128	418426	6.67	PPBV	100
110)	TVHC as equiv Pentane	2.322	TIC	598962	11.57	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w06244.D
Acq On : 19 Apr 2024 8:33 pm
Operator : benk
Sample : bsd
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 20 08:08:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

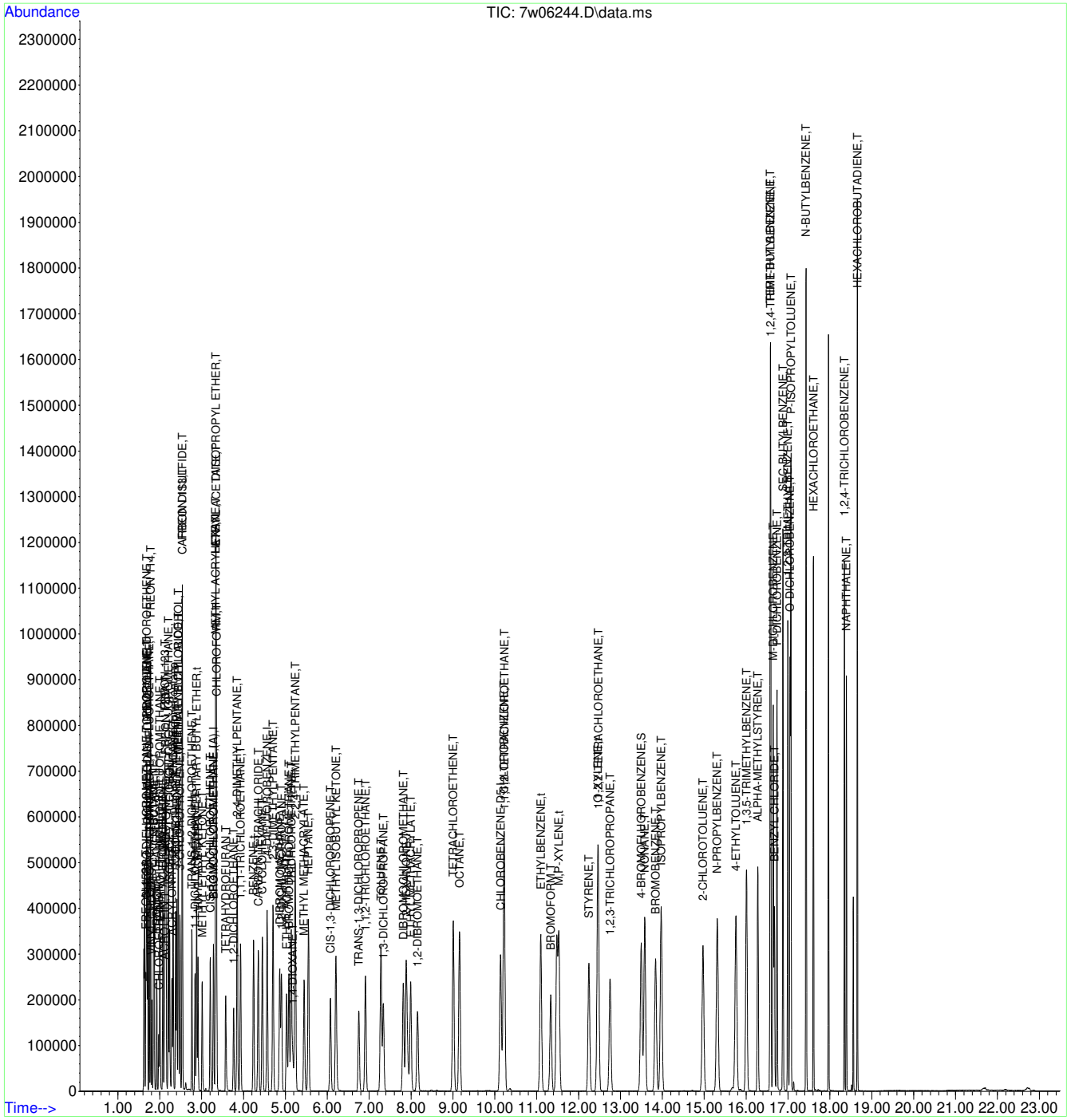
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w06244.D
Acq On : 19 Apr 2024 8:33 pm
Operator : benk
Sample : bsd
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 20 08:08:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/31/24 11:30

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06503.D
Acq On : 30 Jul 2024 12:10 pm
Operator : benk
Sample : jd91786-1dup Inst : GCMS
Misc : MS82909,v8w0249,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 31 05:27:51 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

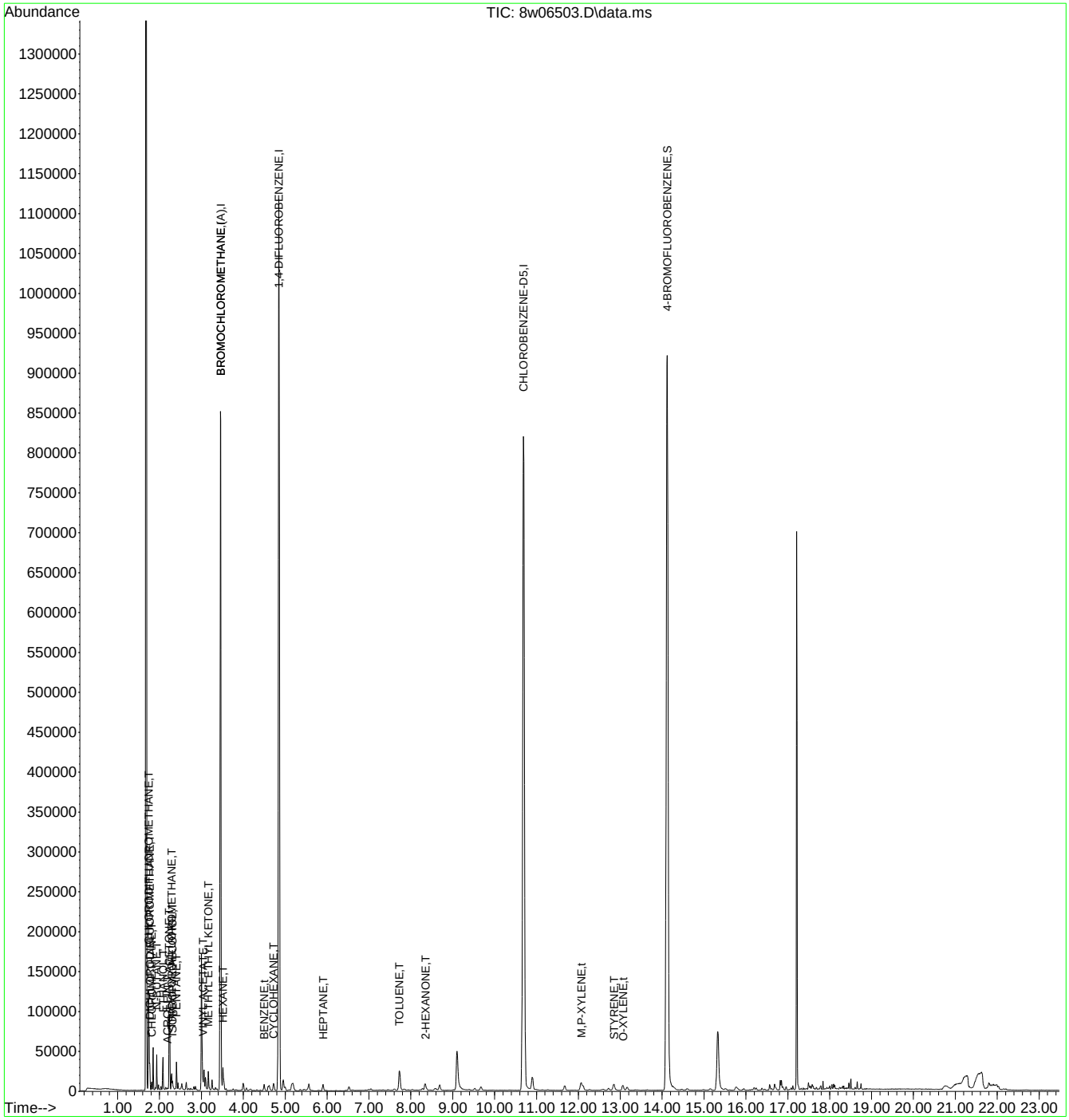
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.459	128	197068	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	922141	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.690	117	808054	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	197068	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.122	95	575452	8.50	PPBV	0.00
Target Compounds						Qvalue
4) CHLORODIFLUOROMETHANE	1.740	67	11736	1.8844	PPBV	# 46
6) DICHLORODIFLUOROMETHANE	1.770	85	15354m	0.3151	PPBV	
10) CHLOROMETHANE	1.813	52	1647	0.6913	PPBV	# 84
13) N-BUTANE	1.935	41	6659m	1.2477	PPBV	
18) ACROLEIN	2.185	56	777	0.2093	PPBV	# 83
21) TRICHLOROFLUOROMETHANE	2.289	101	9152	0.1941	PPBV	98
22) ISOPROPYL ALCOHOL	2.307	45	7512	0.3599	PPBV	# 91
23) ACETONE	2.228	58	17889	3.0701	PPBV	94
24) PENTANE	2.405	42	6819	0.7651	PPBV	96
28) ETHANOL	2.081	45	23470	5.2597	PPBV	98
38) HEXANE	3.514	57	8206	0.3308	PPBV	# 80
39) VINYL ACETATE	3.039	86	1209	0.2931	PPBV	# 85
41) METHYL ETHYL KETONE	3.167	72	4786	0.6529	PPBV	96
51) BENZENE	4.496	78	6472	0.1331	PPBV	93
53) CYCLOHEXANE	4.721	84	2662	0.1364	PPBV	96
62) HEPTANE	5.904	57	1926	0.1224	PPBV	97
66) TOLUENE	7.727	91	25109	0.4344	PPBV	95
70) 2-HEXANONE	8.349	58	4233	0.2094	PPBV	# 61
80) M,P-XYLENE	12.067	91	14996	0.2353	PPBV	# 66
81) O-XYLENE	13.067	91	6715	0.1079	PPBV	98
82) STYRENE	12.848	104	7402	0.1800	PPBV	91

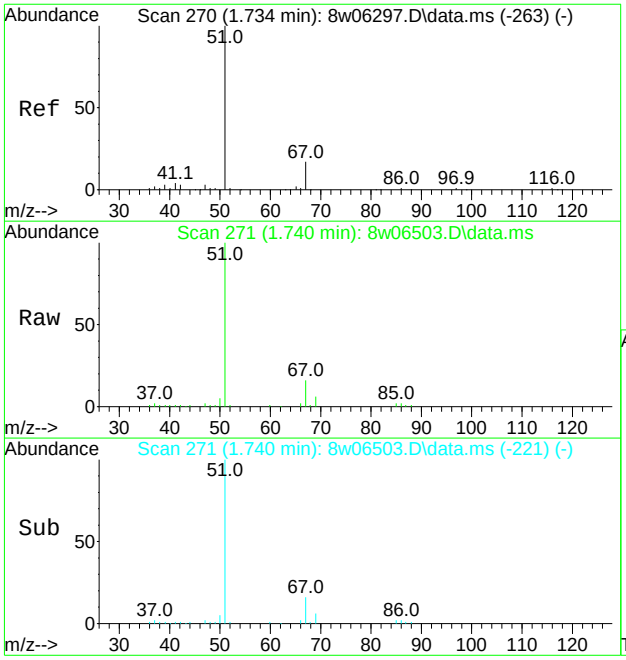
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06503.D
Acq On : 30 Jul 2024 12:10 pm
Operator : benk
Sample : jd91786-1dup Inst : GCMS
Misc : MS82909,v8w0249,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 31 05:27:51 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

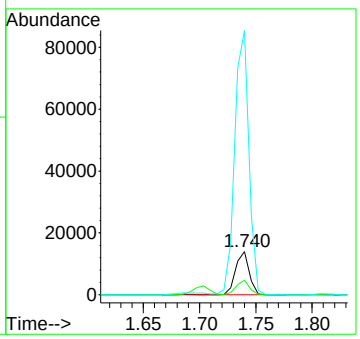


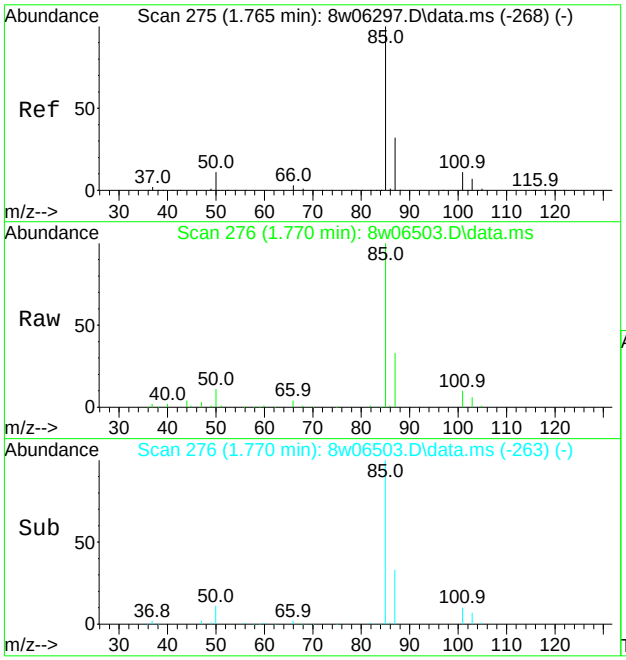


#4
CHLORODIFLUOROMETHANE
Concen: 1.8844 PPBV
RT: 1.740 min Scan# 271
Delta R.T. 0.006 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 67 Resp: 11736

Ion	Ratio	Lower	Upper
67	100		
69	33.4	27.2	40.8
51	648.9	700.6	1051.0#

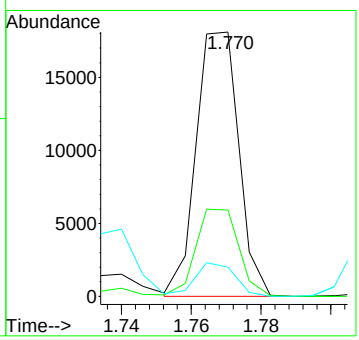


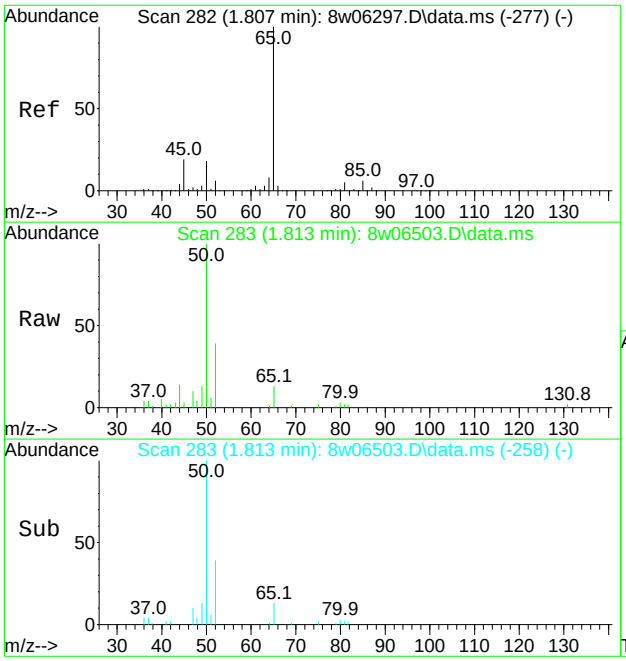


#6
DICHLORODIFLUOROMETHANE
Concen: 0.3151 PPBV m
RT: 1.770 min Scan# 276
Delta R.T. 0.006 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 85 Resp: 15354

Ion	Ratio	Lower	Upper
85	100		
87	36.1	25.8	38.8
50	0.0	14.6	21.8#

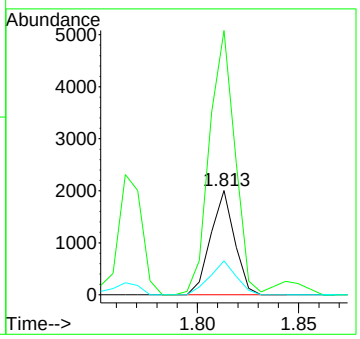


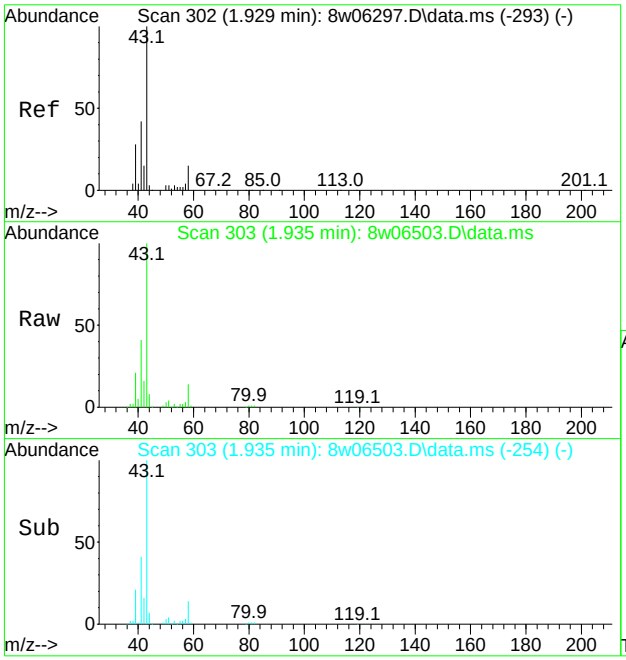


#10
CHLOROMETHANE
Concen: 0.6913 PPBV
RT: 1.813 min Scan# 283
Delta R.T. 0.000 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 52 Resp: 1647

Ion	Ratio	Lower	Upper
52	100		
50	286.8	256.0	384.0
49	36.1	38.7	58.1#

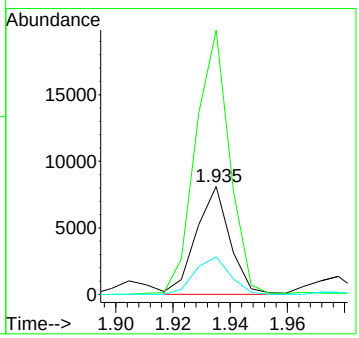


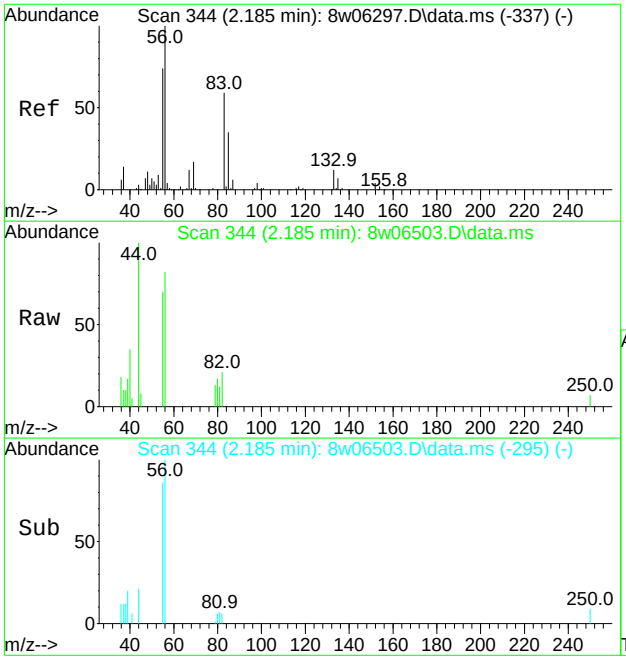


#13
N-BUTANE
Concen: 1.2477 PPBV m
RT: 1.935 min Scan# 303
Delta R.T. 0.000 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 41 Resp: 6659

Ion	Ratio	Lower	Upper
41	100		
43	249.5	196.6	295.0
58	36.4	31.4	47.2

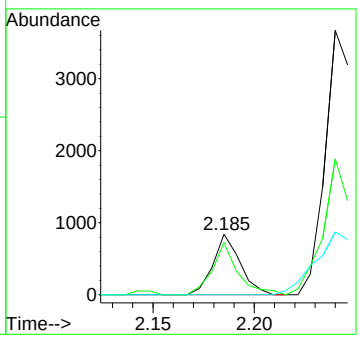


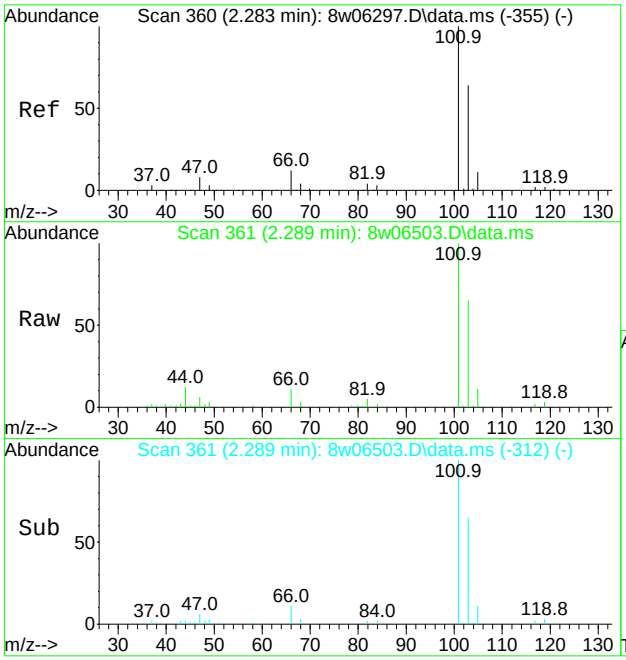


#18
ACROLEIN
Concen: 0.2093 PPBV
RT: 2.185 min Scan# 344
Delta R.T. 0.000 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 56 Resp: 777

Ion	Ratio	Lower	Upper
56	100		
55	87.4	59.2	88.8
53	0.0	8.5	12.7#

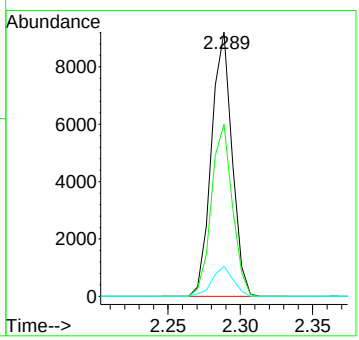


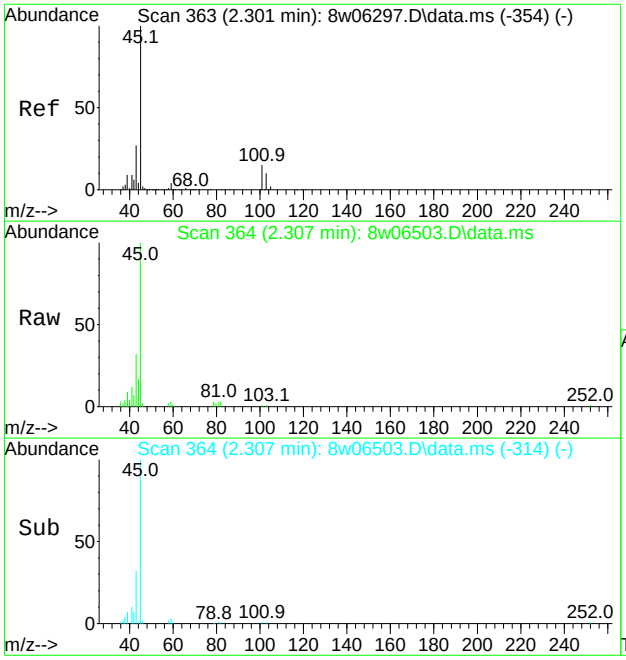


#21
TRICHLOROFLUOROMETHANE
Concen: 0.1941 PPBV
RT: 2.289 min Scan# 361
Delta R.T. -0.000 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion:101 Resp: 9152

Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.8	77.8
105	11.6	8.6	12.8

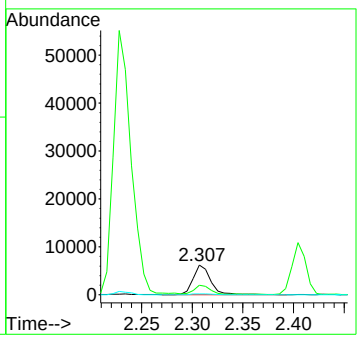


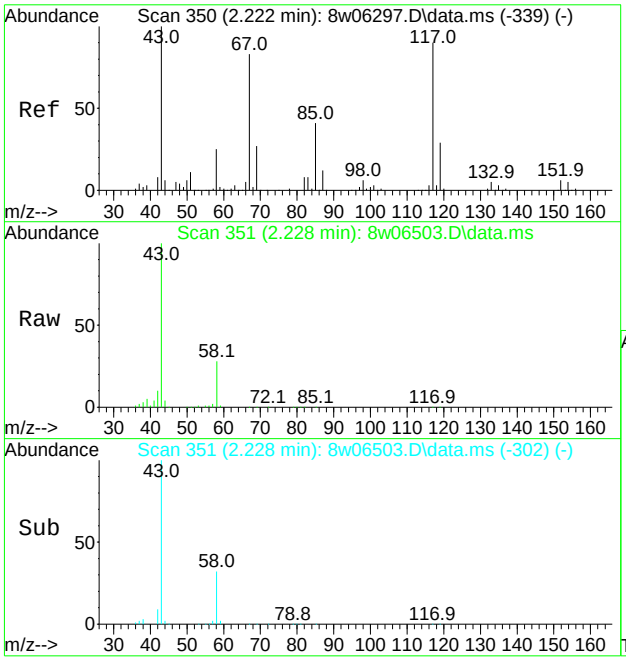


#22
ISOPROPYL ALCOHOL
Concen: 0.3599 PPBV
RT: 2.307 min Scan# 364
Delta R.T. 0.006 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 45 Resp: 7512

Ion	Ratio	Lower	Upper
45	100		
43	31.7	20.9	31.3#
59	4.0	3.4	5.2

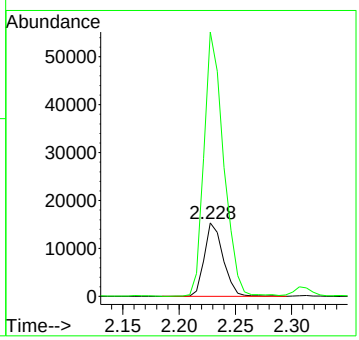


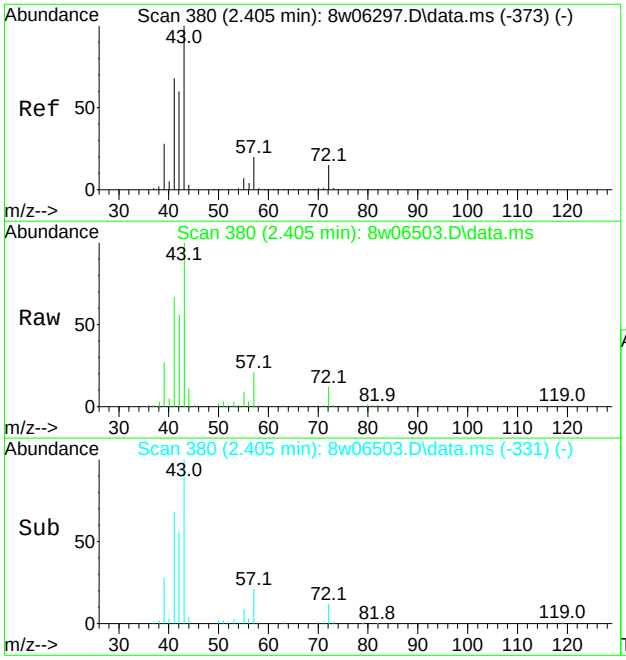


#23
ACETONE
Concen: 3.0701 PPBV
RT: 2.228 min Scan# 351
Delta R.T. -0.000 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 58 Resp: 17889

Ion	Ratio	Lower	Upper
58	100		
43	375.1	289.4	434.2

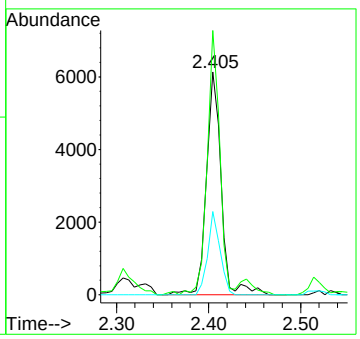


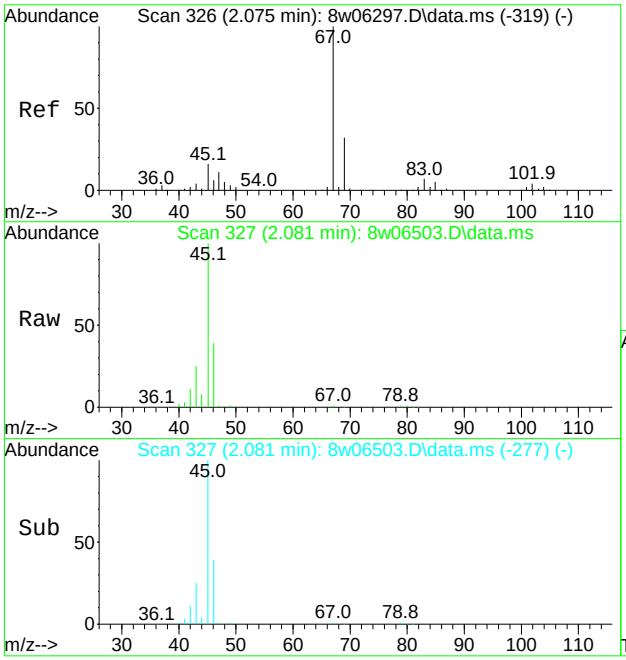


#24
PENTANE
Concen: 0.7651 PPBV
RT: 2.405 min Scan# 380
Delta R.T. 0.001 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 42 Resp: 6819

Ion	Ratio	Lower	Upper
42	100		
41	109.4	84.9	127.3
57	31.1	27.6	41.4

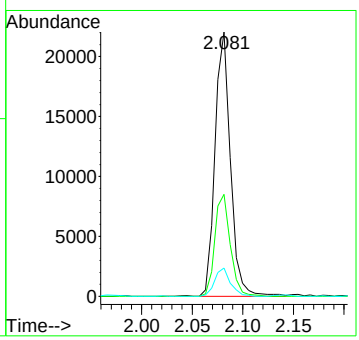


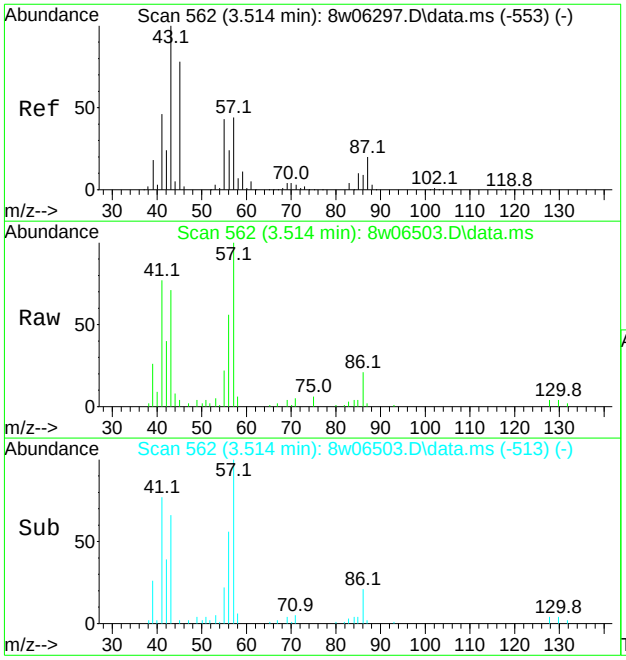


#28
ETHANOL
Concen: 5.2597 PPBV
RT: 2.081 min Scan# 327
Delta R.T. 0.006 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 45 Resp: 23470

Ion	Ratio	Lower	Upper
45	100		
46	38.6	29.8	44.6
42	11.0	8.8	13.2

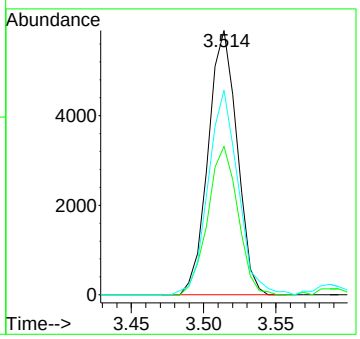


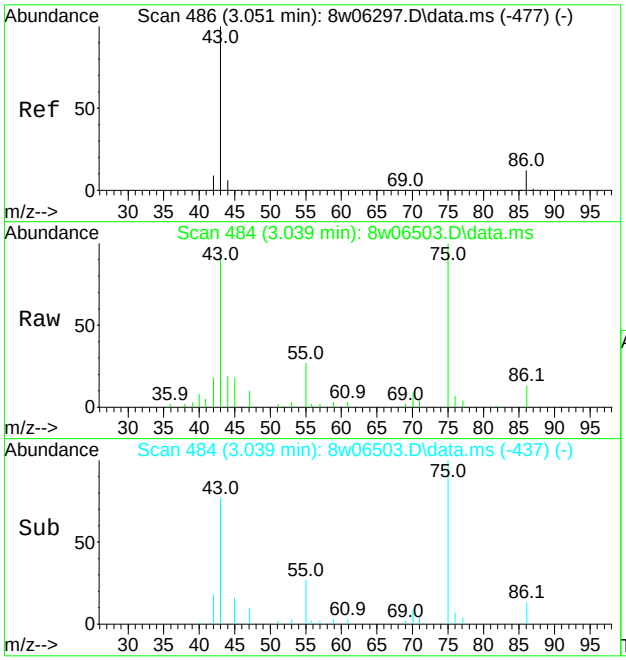


#38
HEXANE
Concen: 0.3308 PPBV
RT: 3.514 min Scan# 562
Delta R.T. 0.000 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 57 Resp: 8206

Ion	Ratio	Lower	Upper
57	100		
56	58.3	45.3	67.9
41	80.1	89.0	133.4#

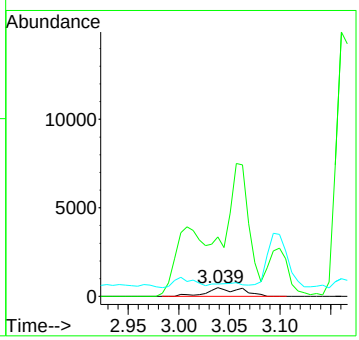


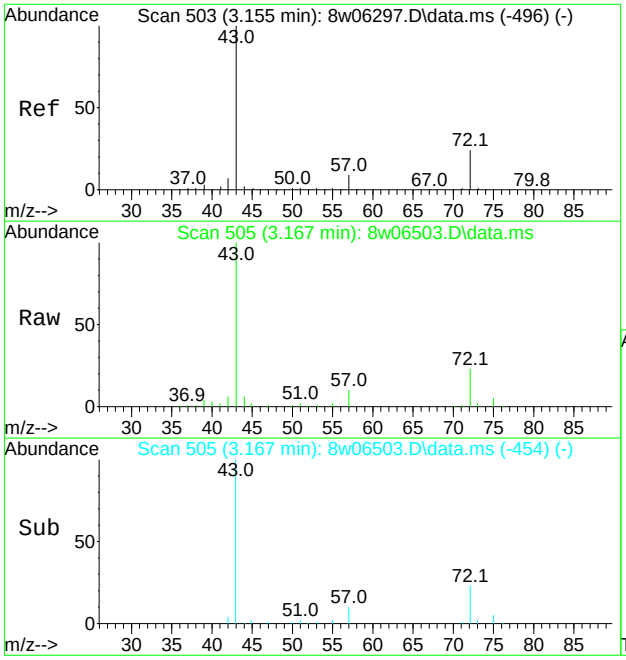


#39
VINYL ACETATE
Concen: 0.2931 PPBV
RT: 3.039 min Scan# 484
Delta R.T. -0.012 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 86 Resp: 1209

Ion	Ratio	Lower	Upper
86	100		
43	1276.5	1069.8	1604.6
44	0.0	53.8	80.6#

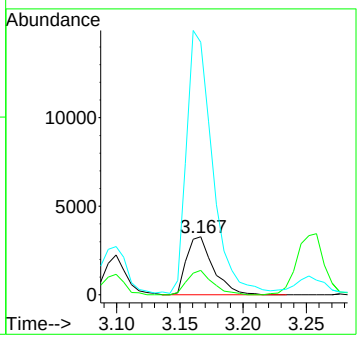


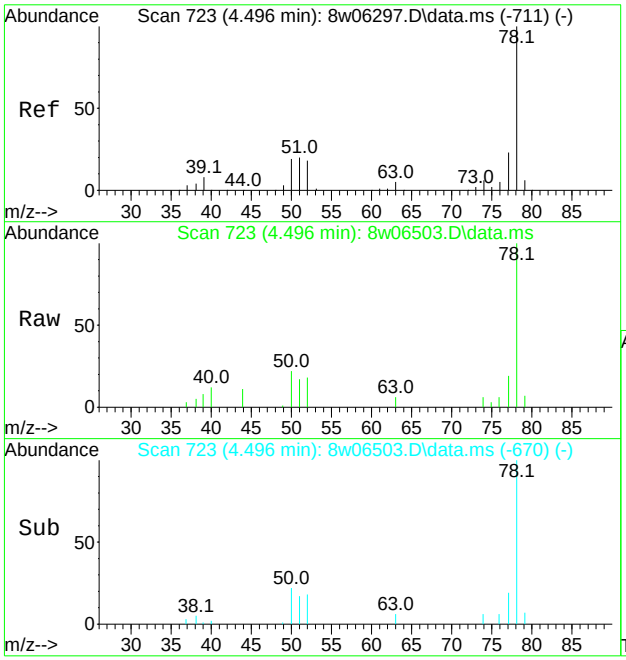


#41
METHYL ETHYL KETONE
Concen: 0.6529 PPBV
RT: 3.167 min Scan# 505
Delta R.T. 0.013 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 72 Resp: 4786

Ion	Ratio	Lower	Upper
72	100		
57	40.2	32.1	48.1
43	442.4	363.4	545.0

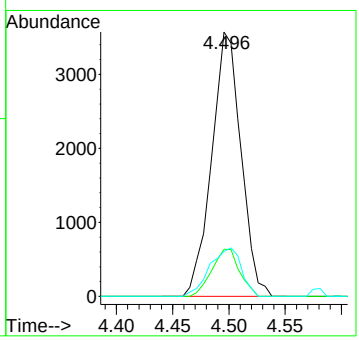


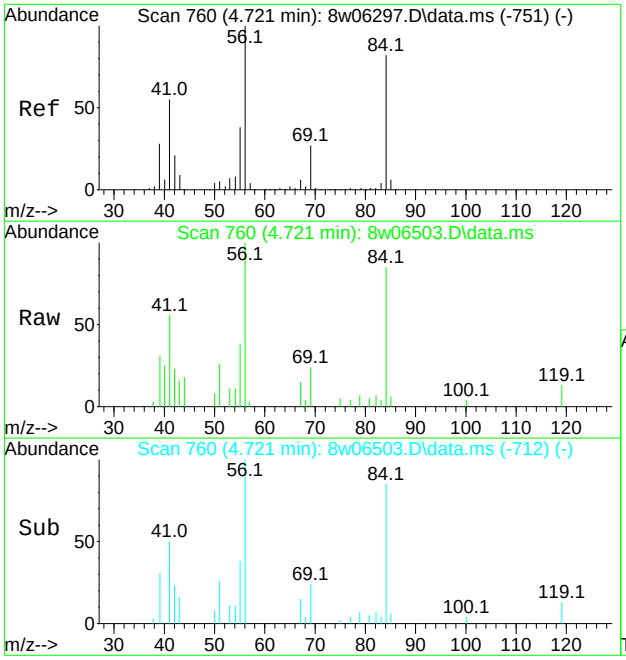


#51
BENZENE
Concen: 0.1331 PPBV
RT: 4.496 min Scan# 723
Delta R.T. -0.006 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 78 Resp: 6472

Ion	Ratio	Lower	Upper
78	100		
52	17.0	0.8	40.8
51	19.8	2.6	42.6

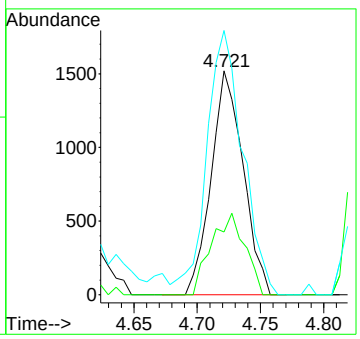


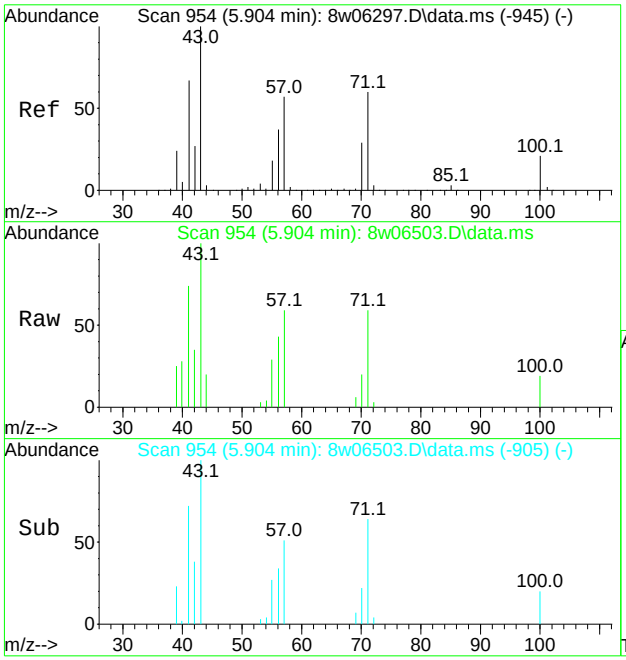


#53
CYCLOHEXANE
Concen: 0.1364 PPBV
RT: 4.721 min Scan# 760
Delta R.T. -0.006 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 84 Resp: 2662

Ion	Ratio	Lower	Upper
84	100		
69	38.4	27.8	41.6
56	137.3	106.3	159.5

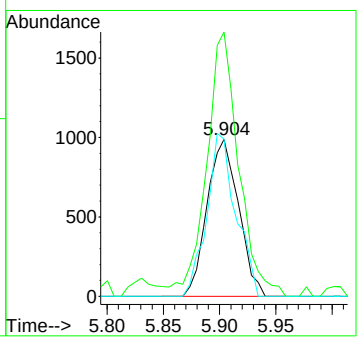


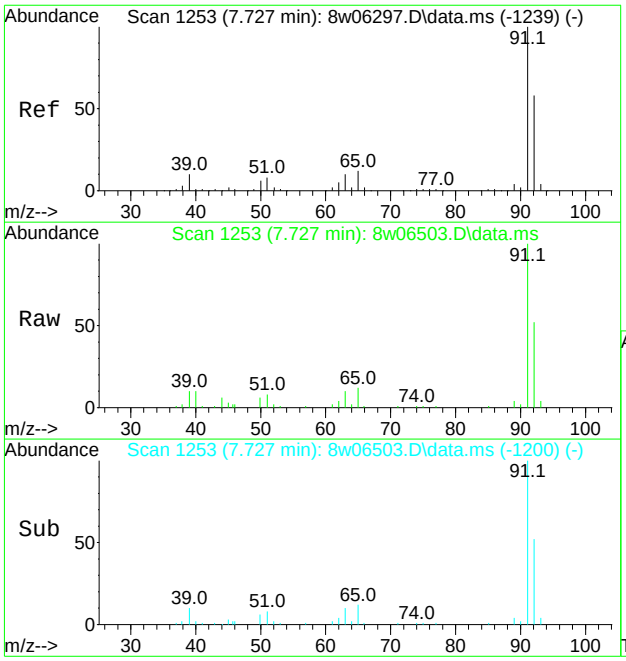


#62
HEPTANE
Concen: 0.1224 PPBV
RT: 5.904 min Scan# 954
Delta R.T. -0.000 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 57 Resp: 1926

Ion	Ratio	Lower	Upper
57	100		
43	180.9	140.9	211.3
71	95.5	75.8	113.8

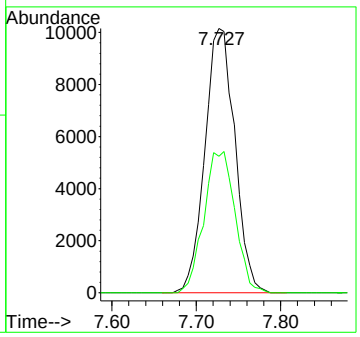


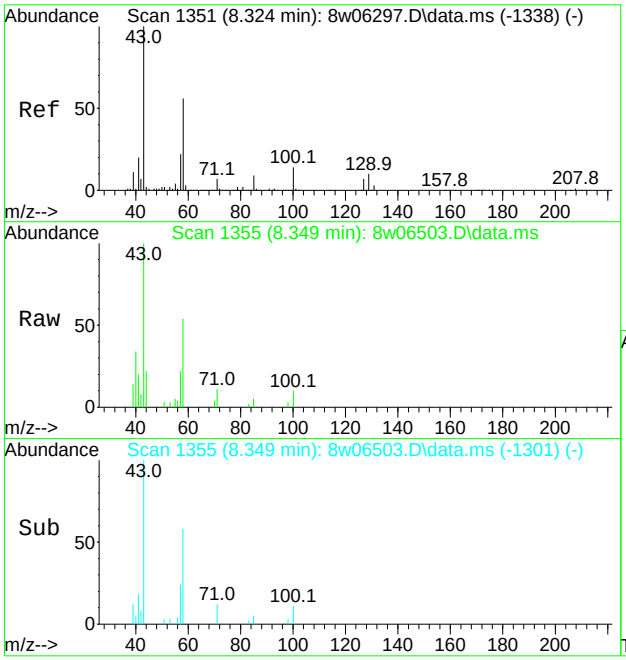


#66
TOLUENE
Concen: 0.4344 PPBV
RT: 7.727 min Scan# 1253
Delta R.T. -0.006 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 91 Resp: 25109

Ion	Ratio	Lower	Upper
91	100		
92	55.6	39.2	79.2

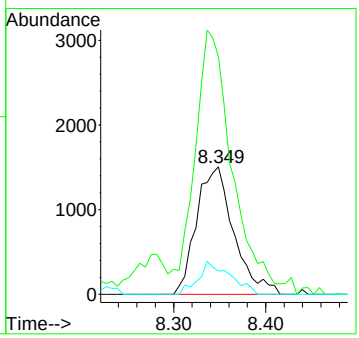


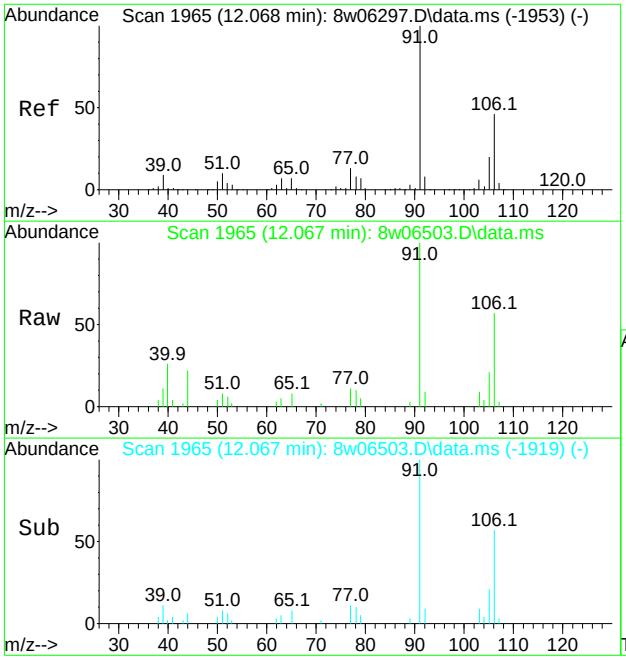


#70
2-HEXANONE
Concen: 0.2094 PPBV
RT: 8.349 min Scan# 1355
Delta R.T. 0.031 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 58 Resp: 4233

Ion	Ratio	Lower	Upper
58	100		
43	240.9	143.8	215.6#
100	22.0	16.9	25.3

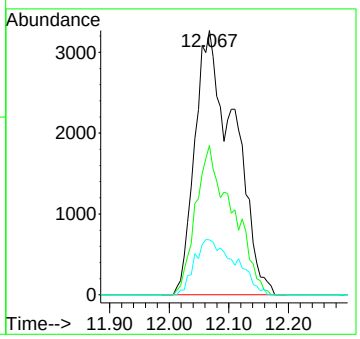


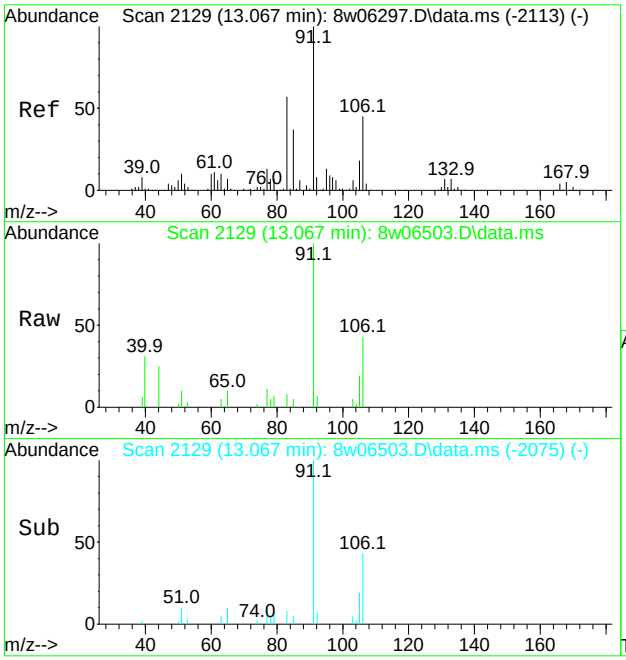


#80
M,P-XYLENE
Concen: 0.2353 PPBV
RT: 12.067 min Scan# 1965
Delta R.T. -0.049 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 91 Resp: 14996

Ion	Ratio	Lower	Upper
91	100		
106	52.5	1.6	41.6#
105	21.6	0.8	40.8

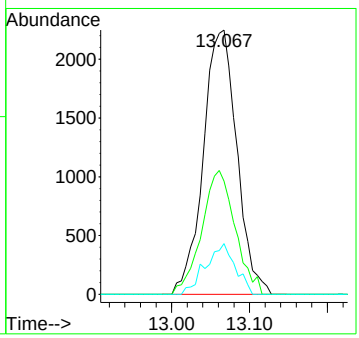


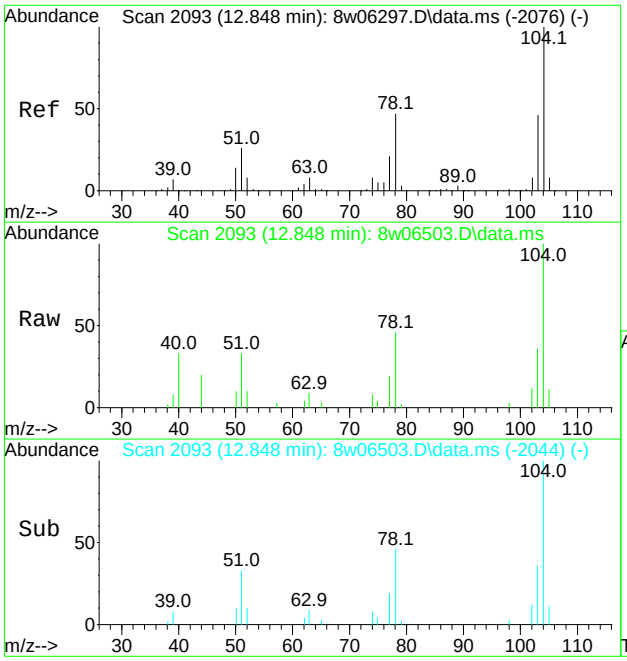


#81
O-XYLENE
Concen: 0.1079 PPBV
RT: 13.067 min Scan# 2129
Delta R.T. 0.000 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion: 91 Resp: 6715

Ion	Ratio	Lower	Upper
91	100		
106	42.8	33.4	50.0
105	19.2	13.9	20.9

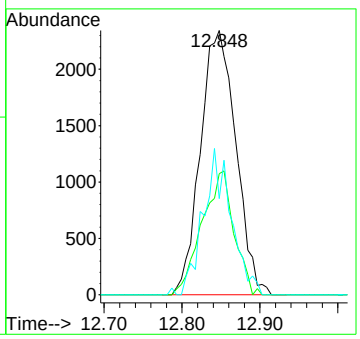




#82
STYRENE
Concen: 0.1800 PPBV
RT: 12.848 min Scan# 2093
Delta R.T. -0.000 min
Lab File: 8w06503.D
Acq: 30 Jul 2024 12:10 pm

Tgt Ion:104 Resp: 7402

Ion	Ratio	Lower	Upper
104	100		
78	42.3	40.2	60.4
103	43.8	38.2	57.4



Manual Integration Approval Summary

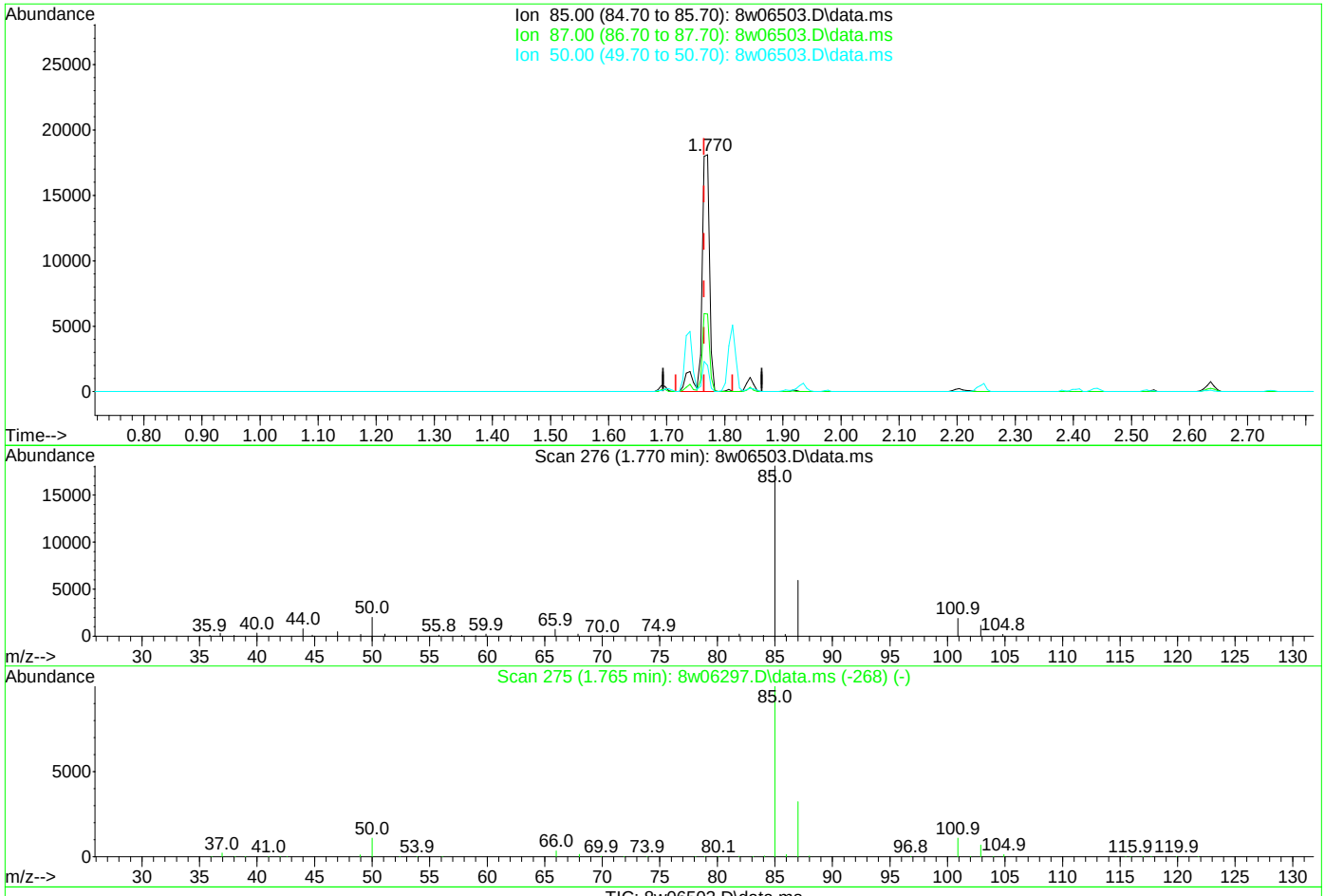
Sample Number:	JD91786-1DUP	**Method:**	TO-15
Lab FileID:	8W06503.D	**Analyst approved:**	07/31/24 03:00 Lucky Carandang
Injection Time:	07/30/24 12:10	**Supervisor approved:**	07/31/24 11:30 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Dichlorodifluoromethane	75-71-8		1.77	Overlapping peak
n-Butane	106-97-8		1.94	Overlapping peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06503.D
Acq On : 30 Jul 2024 12:10 pm
Operator : benk
Sample : jd91786-1dup Inst : GCMS
Misc : MS82909,v8w0249,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 31 04:12:33 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



TIC: 8w06503.D\data.ms

(6) DICHLORODIFLUOROMETHANE (T)

1.770min (+0.006) 0.35PPBV

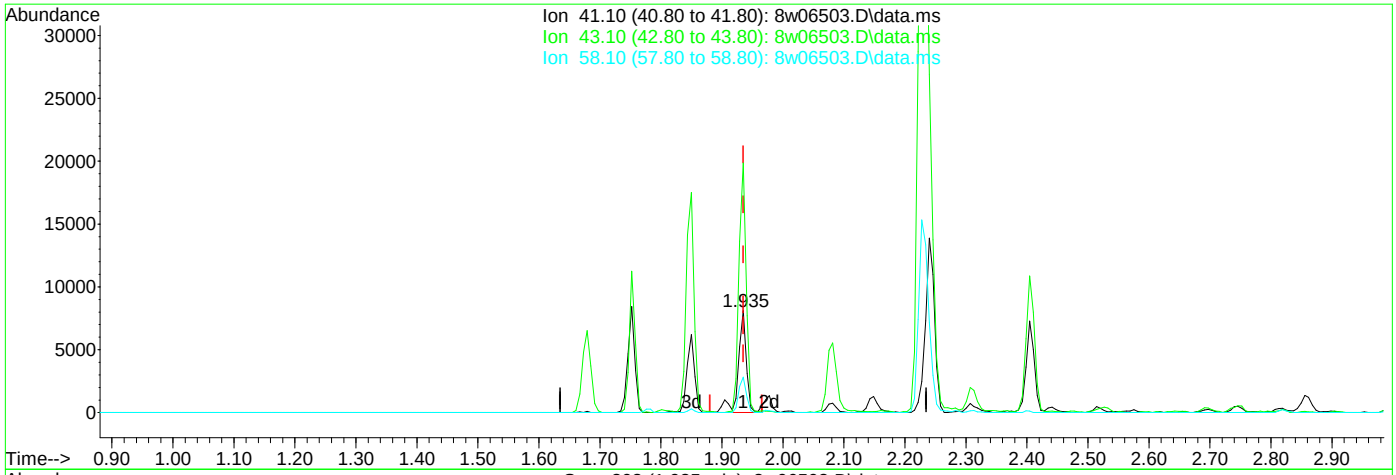
response 16992

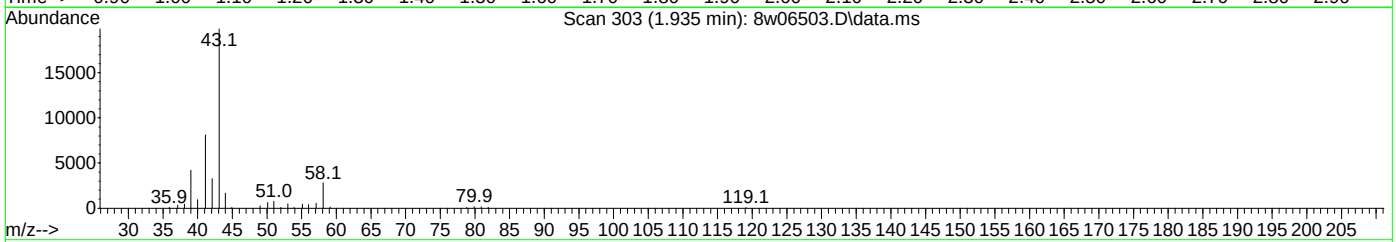
Ion	Exp%	Act%
85.00	100	100
87.00	32.30	32.59
50.00	18.20	0.00#
0.00	0.00	0.00

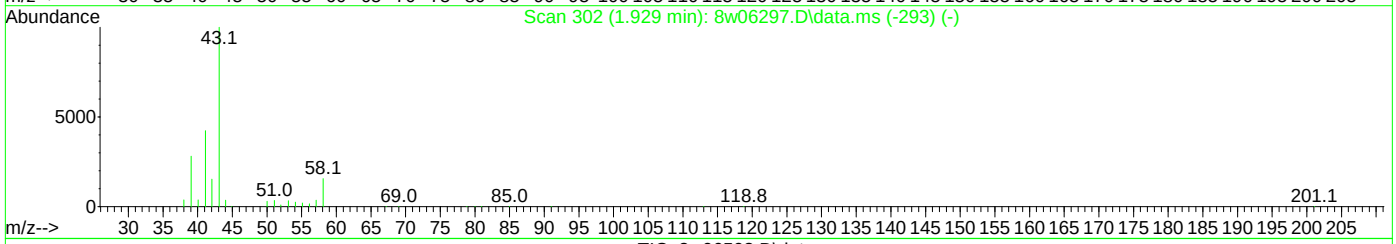
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06503.D
Acq On : 30 Jul 2024 12:10 pm
Operator : benk
Sample : jd91786-1dup Inst : GCMS
Misc : MS82909,v8w0249,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 31 04:12:33 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration







TIC: 8w06503.D\data.ms

(13) N-BUTANE (T)

1.935min (+0.000) 1.46PPBV

response 7774

Ion	Exp%	Act%
41.10	100	100
43.10	245.80	213.67
58.10	39.30	31.22#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/01/24 11:42

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06538.D
Acq On : 31 Jul 2024 07:58 pm
Operator : thomash
Sample : jd91882-2dup Inst : GCMS
Misc : MS82947,v8w0250,400,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 01 13:33:03 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

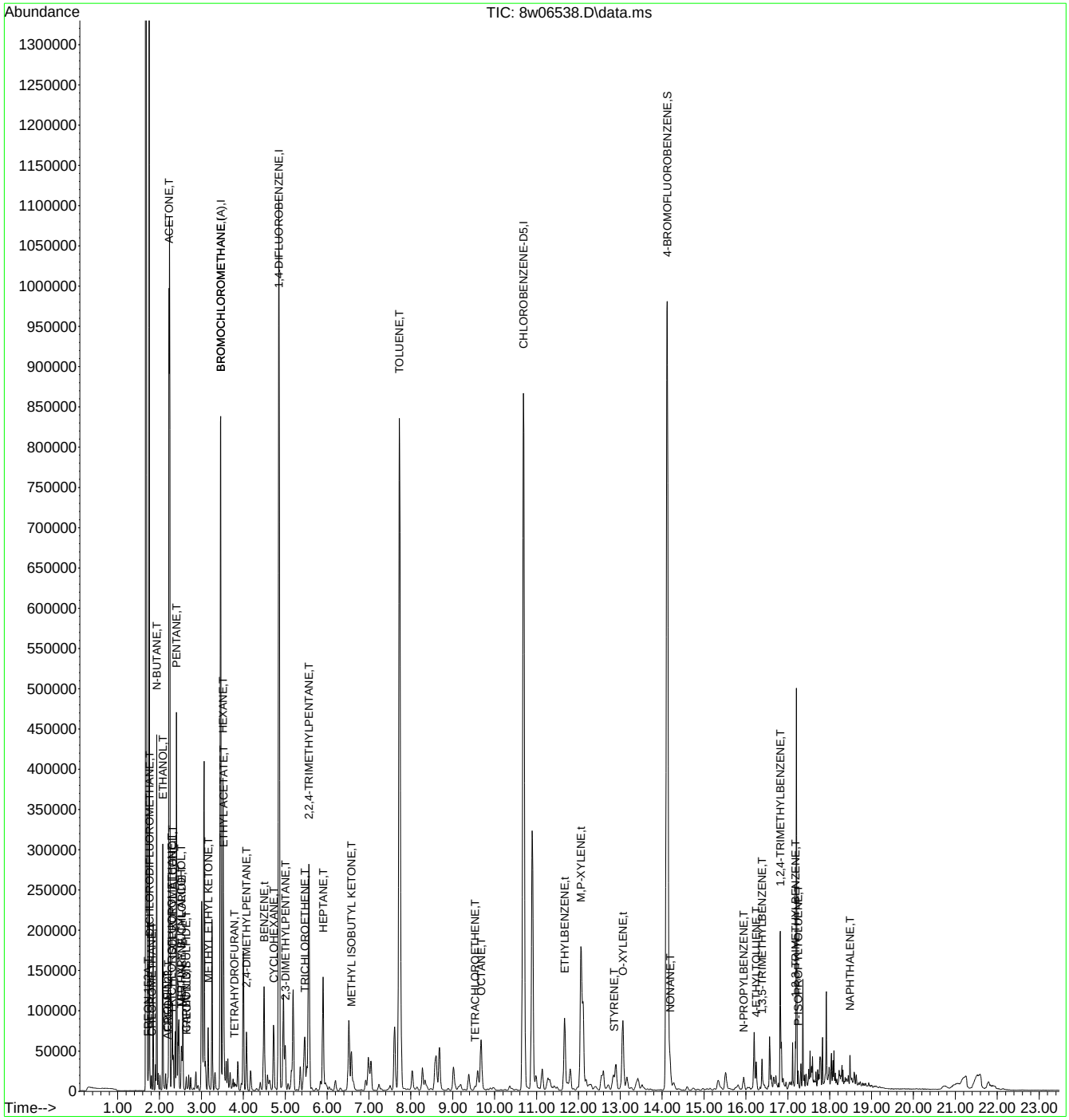
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.459	128	194421	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	907023	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.690	117	818519	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	194421	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.122	95	602483	8.78	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.722	65	2055	0.2000	PPBV	# 1
6) DICHLORODIFLUOROMETHANE	1.764	85	15713	0.3269	PPBV	97
10) CHLOROMETHANE	1.813	52	1493m	0.6352	PPBV	
13) N-BUTANE	1.935	41	69979m	13.2907	PPBV	
18) ACROLEIN	2.185	56	3250	0.8872	PPBV	# 20
19) FREON 123	2.203	83	3644	0.1362	PPBV	# 76
21) TRICHLOROFLUOROMETHANE	2.289	101	15880	0.3413	PPBV	98
22) ISOPROPYL ALCOHOL	2.307	45	72242	3.5085	PPBV	97
23) ACETONE	2.228	58	187667	32.6454	PPBV	# 61
24) PENTANE	2.405	42	93138	10.5931	PPBV	97
27) CARBON DISULFIDE	2.636	76	4722	0.1835	PPBV	# 66
28) ETHANOL	2.075	45	167382	38.0215	PPBV	98
31) METHYLENE CHLORIDE	2.533	84	10060	0.9385	PPBV	98
33) FREON 113	2.642	151	2168	0.0923	PPBV	95
35) TERTIARY BUTYL ALCOHOL	2.514	59	3302	0.1450	PPBV	# 1
37) TETRAHYDROFURAN	3.788	72	2719	0.3790	PPBV	# 54
38) HEXANE	3.514	57	118744	4.8513	PPBV	# 78
41) METHYL ETHYL KETONE	3.160	72	15474	2.1398	PPBV	96
44) ETHYL ACETATE	3.526	61	13470	2.7322	PPBV	# 1
47) 2,4-DIMETHYLPENTANE	4.075	57	23659	0.7613	PPBV	96
51) BENZENE	4.496	78	87872	1.8319	PPBV	98
53) CYCLOHEXANE	4.727	84	28684	1.4948	PPBV	92
54) 2,3-DIMETHYLPENTANE	5.002	71	10033	1.0224	PPBV	# 55
55) TRICHLOROETHENE	5.465	95	19064	0.7766	PPBV	85
60) 2,2,4-TRIMETHYLPENTANE	5.563	57	272281	3.3849	PPBV	93
62) HEPTANE	5.904	57	32659	2.1100	PPBV	97
64) METHYL ISOBUTYL KETONE	6.581	58	16645	1.0931	PPBV	90
66) TOLUENE	7.727	91	832443	14.6431	PPBV	100
72) TETRACHLOROETHENE	9.531	164	1127	0.0405	PPBV	98
75) OCTANE	9.678	85	12615	0.7573	PPBV	92
79) ETHYLBENZENE	11.671	91	103802	1.3241	PPBV	95
80) M,P-XYLENE	12.061	91	276670	4.2861	PPBV	# 67
81) O-XYLENE	13.061	91	88994	1.4111	PPBV	93
82) STYRENE	12.848	104	9507	0.2282	PPBV	94
83) NONANE	14.189	85	6978	0.4922	PPBV	84
91) N-PROPYLBENZENE	15.945	120	4316	0.1943	PPBV	88
92) 4-ETHYLTOLUENE	16.244	105	24755	0.2868	PPBV	96
93) 1,3,5-TRIMETHYLBENZENE	16.384	105	21204	0.2839	PPBV	92
96) 1,2,4-TRIMETHYLBENZENE	16.823	105	85696	1.1534	PPBV	# 39
102) 1,2,3-TRIMETHYLBENZENE	17.182	105	22047	0.2831	PPBV	# 90
103) P-ISOPROPYLTOLUENE	17.249	134	2015	0.0917	PPBV	# 76
108) NAPHTHALENE	18.487	128	14197	0.1525	PPBV	# 89

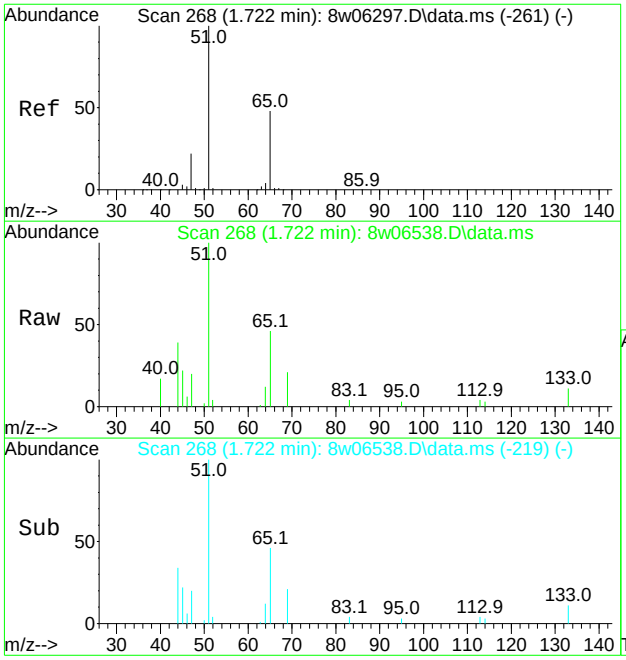
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06538.D
Acq On : 31 Jul 2024 07:58 pm
Operator : thomash
Sample : jd91882-2dup Inst : GCMS
Misc : MS82947,v8w0250,400,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 01 13:33:03 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

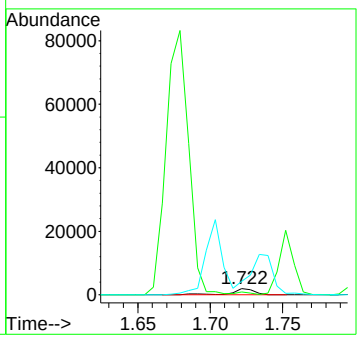


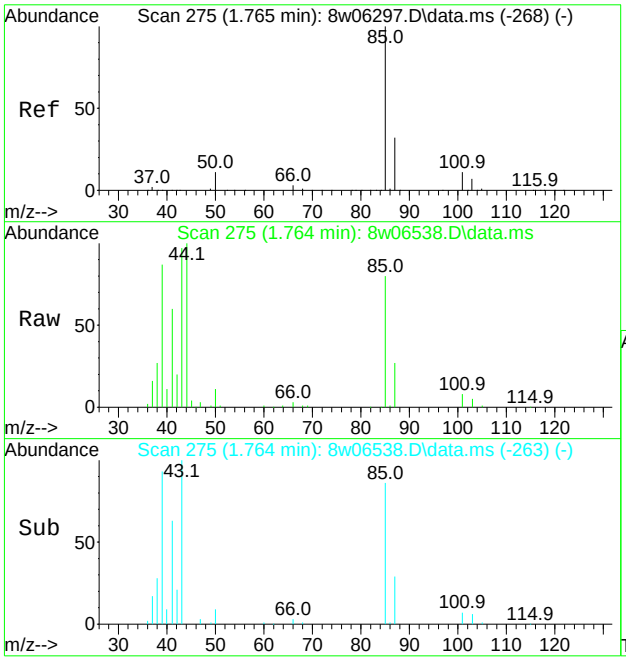


#3
FREON 152A
Concen: 0.2000 PPBV
RT: 1.722 min Scan# 268
Delta R.T. -0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 65 Resp: 2055

Ion	Ratio	Lower	Upper
65	100		
45	0.0	28.2	42.2#
51	1123.7	412.2	618.2#

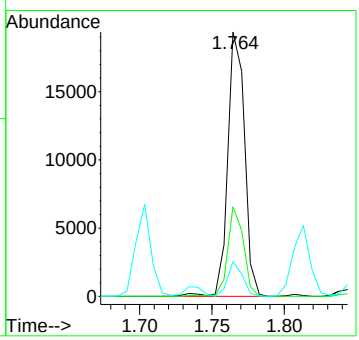


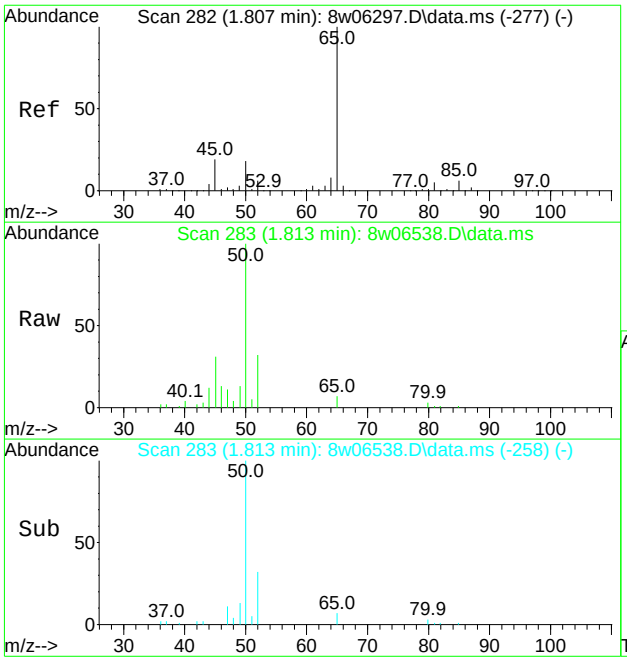


#6
DICHLORODIFLUOROMETHANE
Concen: 0.3269 PPBV
RT: 1.764 min Scan# 275
Delta R.T. 0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 85 Resp: 15713

Ion	Ratio	Lower	Upper
85	100		
87	31.8	25.8	38.8
50	15.4	14.6	21.8

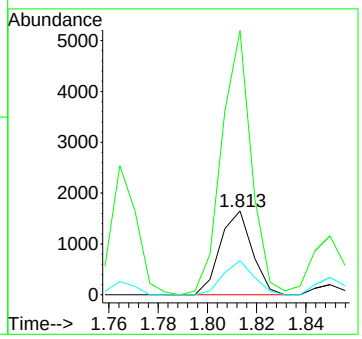


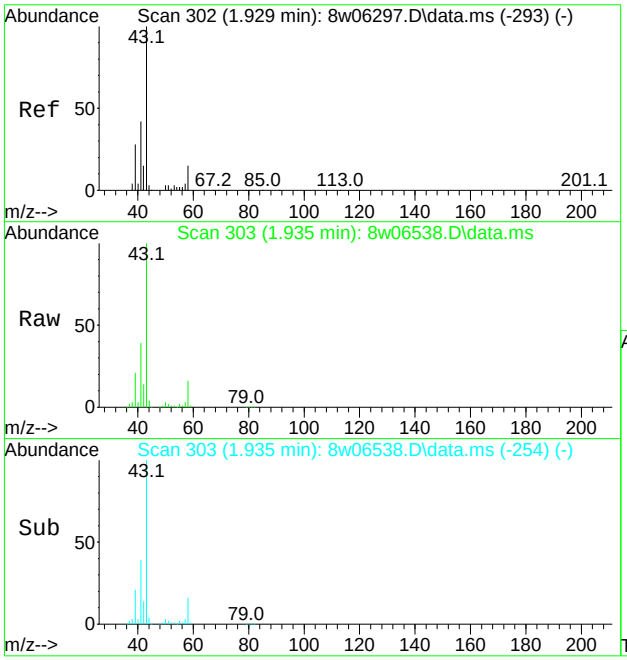


#10
CHLOROMETHANE
Concen: 0.6352 PPBV m
RT: 1.813 min Scan# 283
Delta R.T. 0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 52 Resp: 1493

Ion	Ratio	Lower	Upper
52	100		
50	361.5	256.0	384.0
49	56.9	38.7	58.1

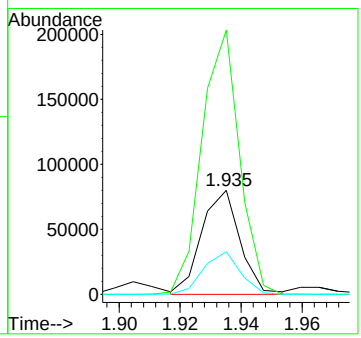


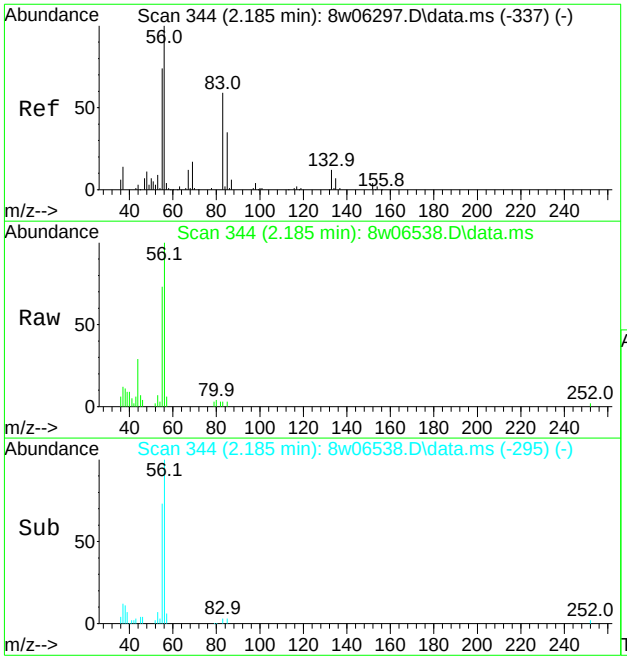


#13
N-BUTANE
Concen: 13.2907 PPBV m
RT: 1.935 min Scan# 303
Delta R.T. 0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 41 Resp: 69979

Ion	Ratio	Lower	Upper
41	100		
43	248.2	196.6	295.0
58	39.5	31.4	47.2

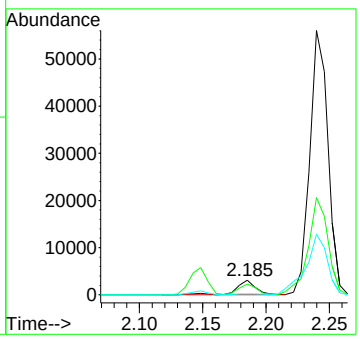


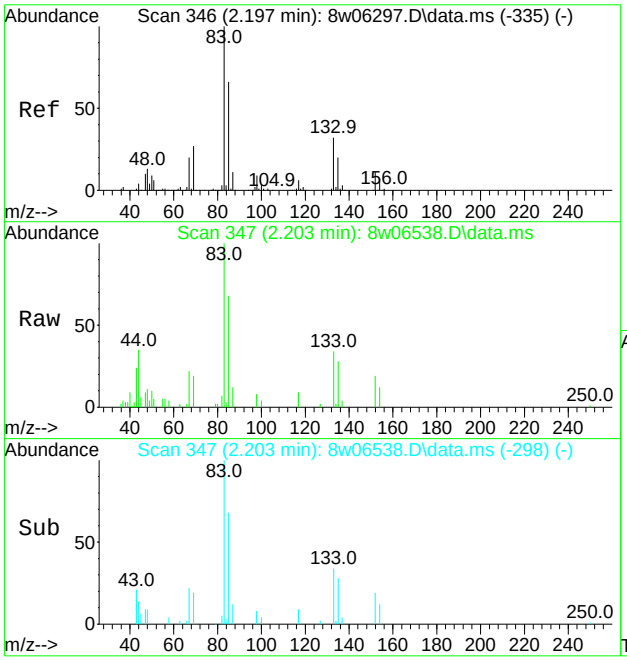


#18
ACROLEIN
Concen: 0.8872 PPBV
RT: 2.185 min Scan# 344
Delta R.T. 0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 56 Resp: 3250

Ion	Ratio	Lower	Upper
56	100		
55	0.0	59.2	88.8#
53	0.0	8.5	12.7#

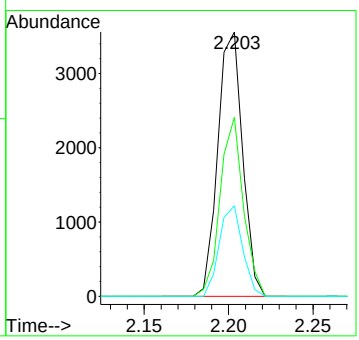


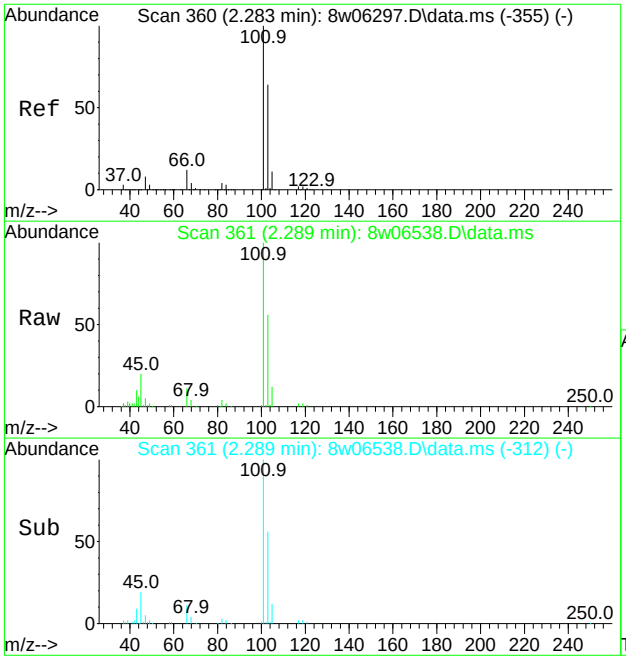


#19
FREON 123
Concen: 0.1362 PPBV
RT: 2.203 min Scan# 347
Delta R.T. 0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 83 Resp: 3644

Ion	Ratio	Lower	Upper
83	100		
85	63.3	75.8	113.6#
133	32.2	26.2	39.2

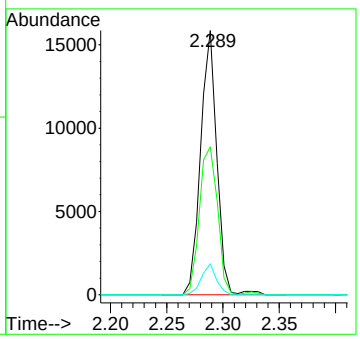


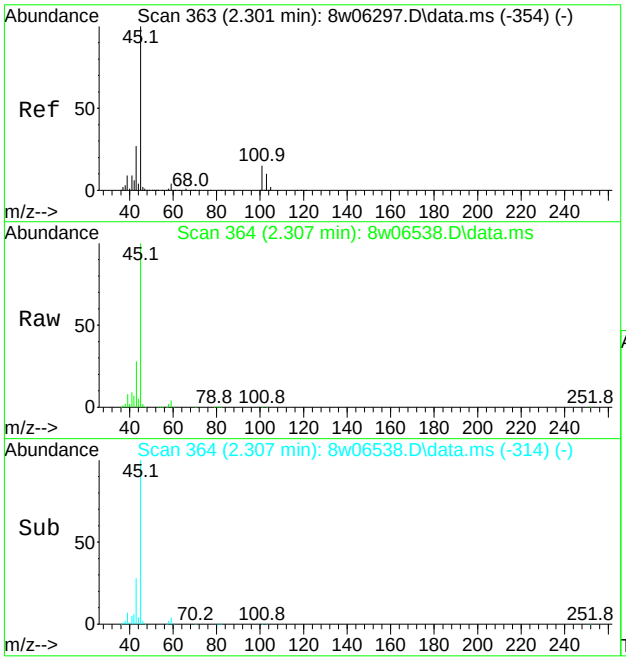


#21
TRICHLOROFLUOROMETHANE
Concen: 0.3413 PPBV
RT: 2.289 min Scan# 361
Delta R.T. -0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion:101 Resp: 15880

Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.8	77.8
105	10.8	8.6	12.8

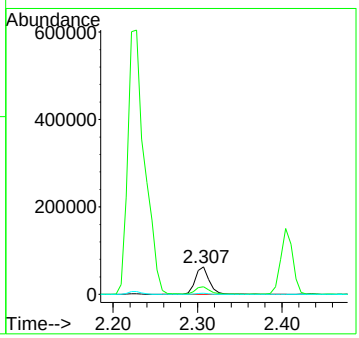


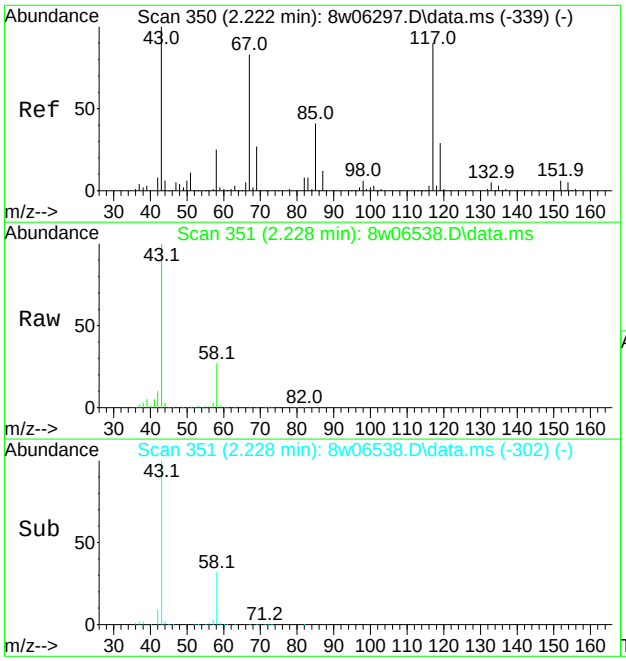


#22
ISOPROPYL ALCOHOL
Concen: 3.5085 PPBV
RT: 2.307 min Scan# 364
Delta R.T. 0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 45 Resp: 72242

Ion	Ratio	Lower	Upper
45	100		
43	28.1	20.9	31.3
59	4.0	3.4	5.2

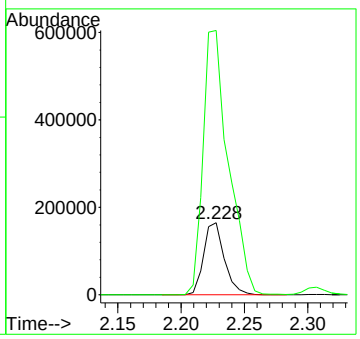


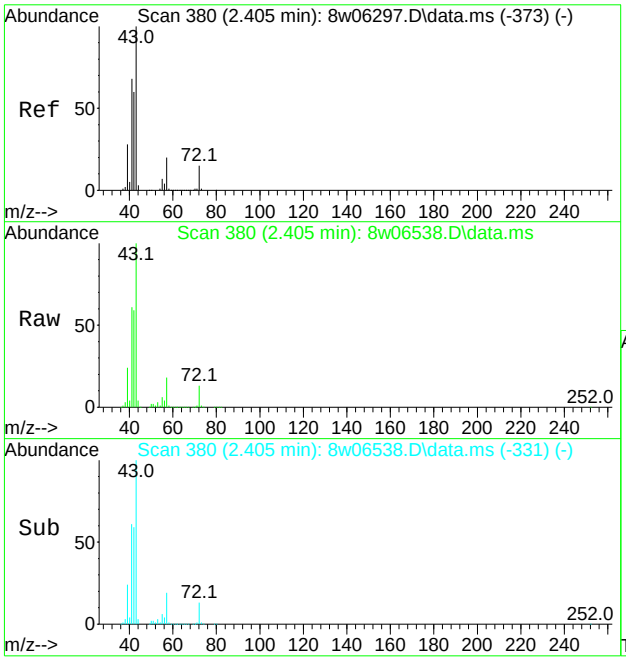


#23
ACETONE
Concen: 32.6454 PPBV
RT: 2.228 min Scan# 351
Delta R.T. -0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 58 Resp: 187667

Ion	Ratio	Lower	Upper
58	100		
43	448.9	289.4	434.2#

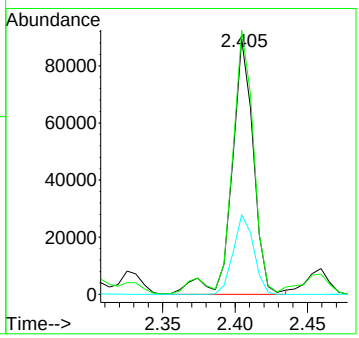


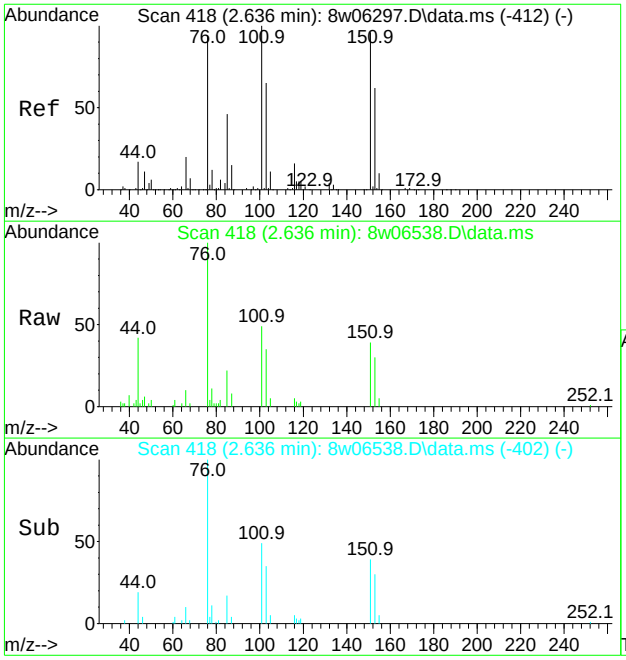


#24
PENTANE
Concen: 10.5931 PPBV
RT: 2.405 min Scan# 380
Delta R.T. 0.001 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 42 Resp: 93138

Ion	Ratio	Lower	Upper
42	100		
41	104.8	84.9	127.3
57	29.6	27.6	41.4

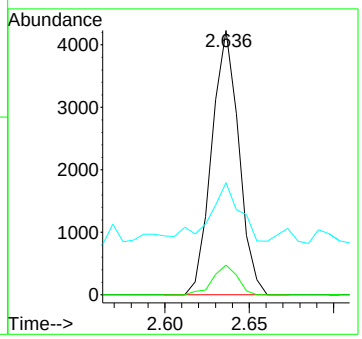


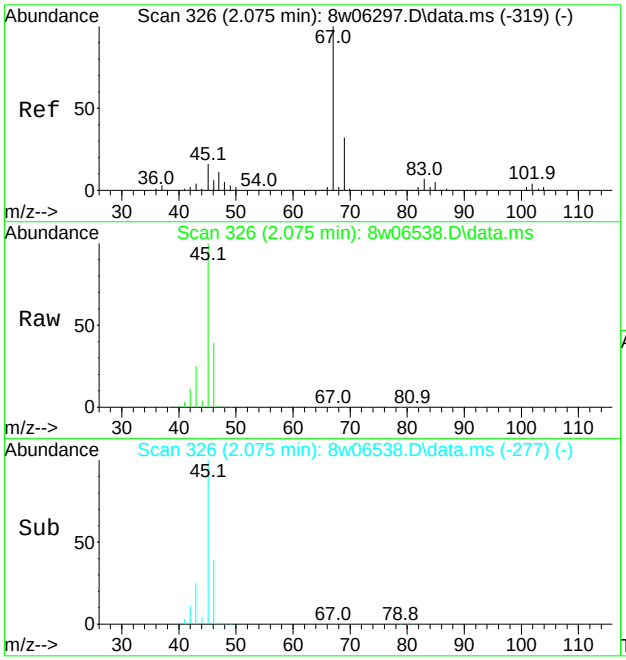


#27
CARBON DISULFIDE
Concen: 0.1835 PPBV
RT: 2.636 min Scan# 418
Delta R.T. 0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 76 Resp: 4722

Ion	Ratio	Lower	Upper
76	100		
78	10.2	10.0	15.0
44	39.8	12.8	19.2#

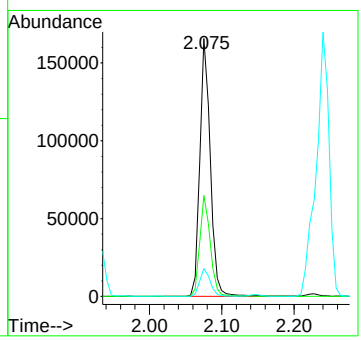


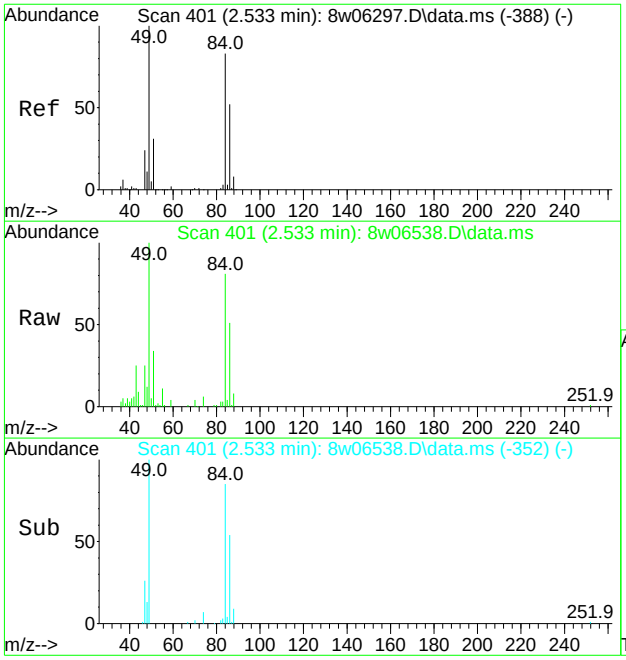


#28
ETHANOL
Concen: 38.0215 PPBV
RT: 2.075 min Scan# 326
Delta R.T. 0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 45 Resp: 167382

Ion	Ratio	Lower	Upper
45	100		
46	39.1	29.8	44.6
42	10.9	8.8	13.2

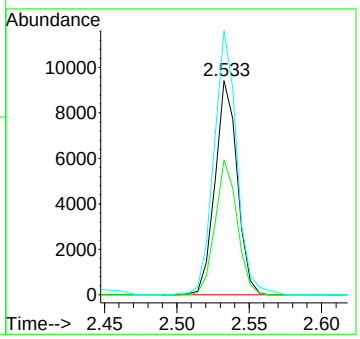


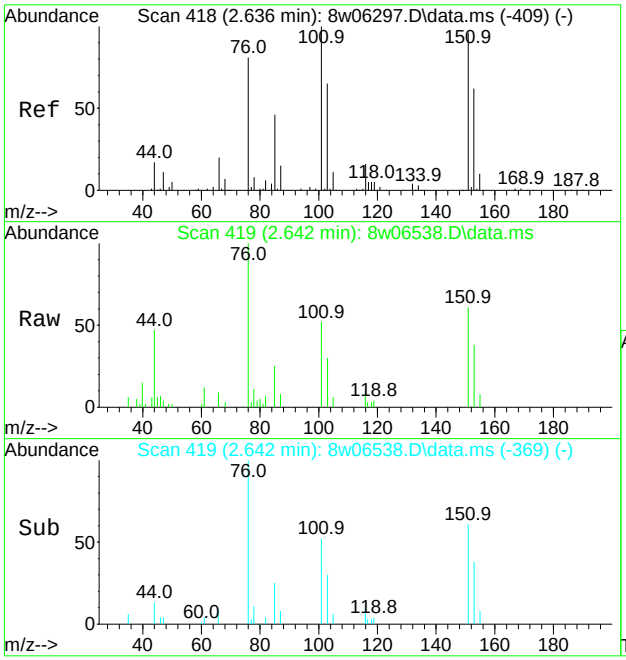


#31
METHYLENE CHLORIDE
Concen: 0.9385 PPBV
RT: 2.533 min Scan# 401
Delta R.T. 0.001 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 84 Resp: 10060

Ion	Ratio	Lower	Upper
84	100		
86	62.5	50.4	75.6
49	127.4	99.5	149.3

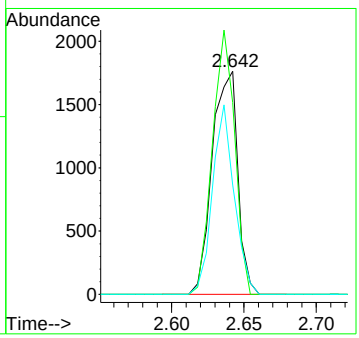


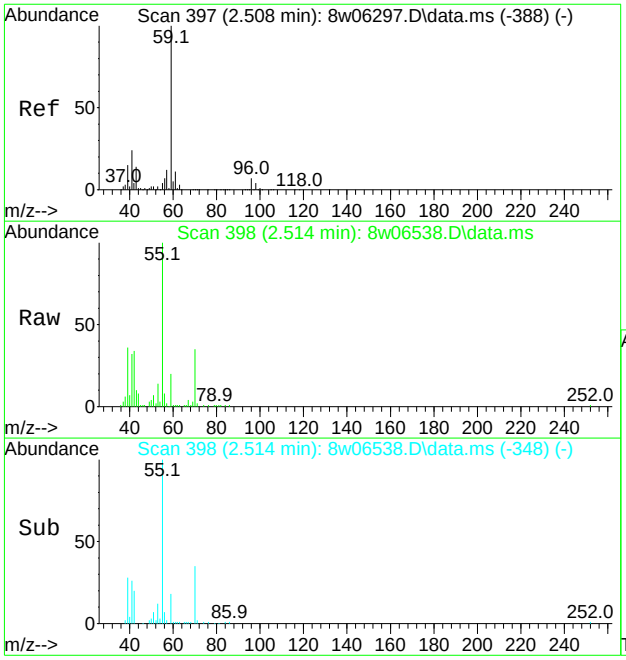


#33
FREON 113
Concen: 0.0923 PPBV
RT: 2.642 min Scan# 419
Delta R.T. 0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion:151 Resp: 2168

Ion	Ratio	Lower	Upper
151	100		
101	103.3	88.6	132.8
103	72.5	57.4	86.2

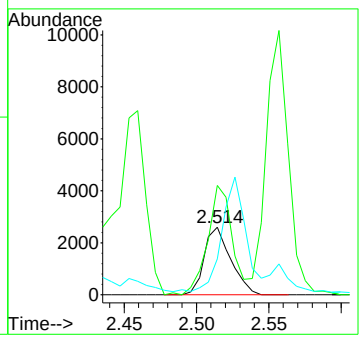


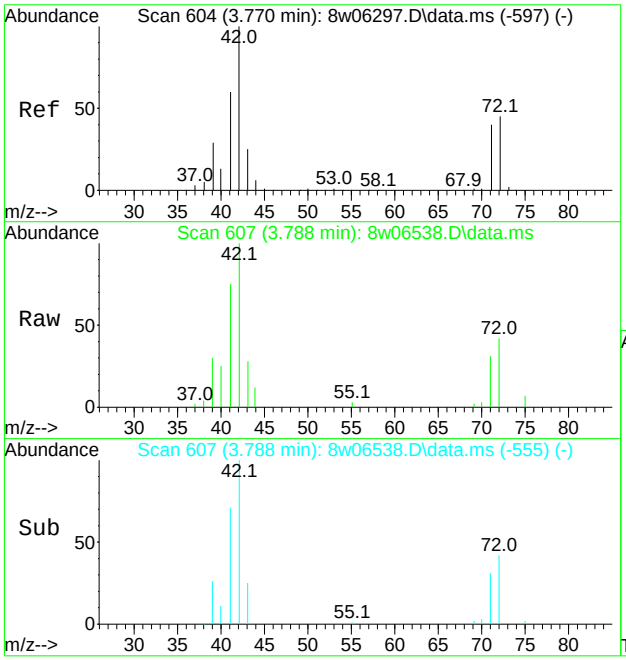


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.1450 PPBV
RT: 2.514 min Scan# 398
Delta R.T. 0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 59 Resp: 3302

Ion	Ratio	Lower	Upper
59	100		
41	155.1	20.0	30.0#
43	183.8	11.0	16.4#

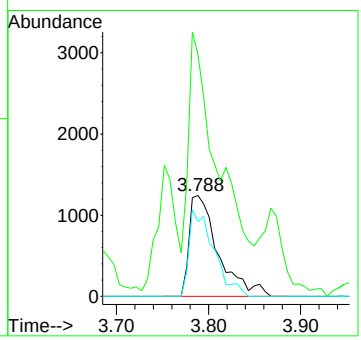


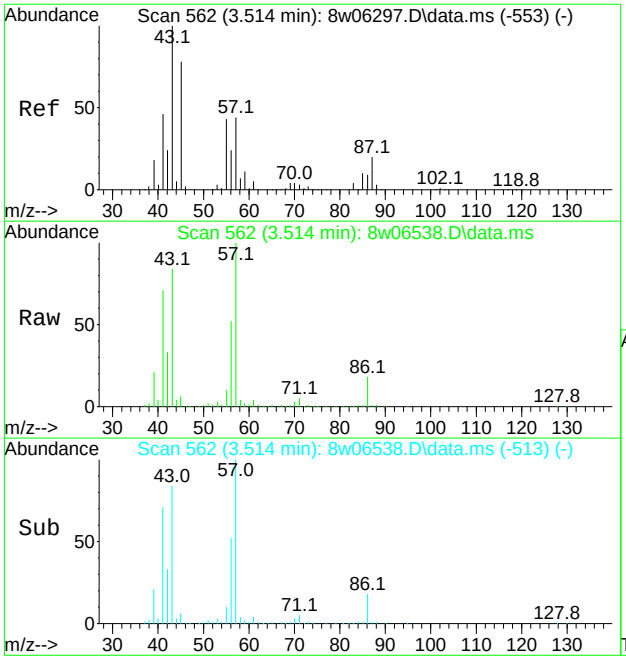


#37
TETRAHYDROFURAN
Concen: 0.3790 PPBV
RT: 3.788 min Scan# 607
Delta R.T. 0.018 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 72 Resp: 2719

Ion	Ratio	Lower	Upper
72	100		
42	349.5	203.1	304.7#
71	73.2	76.2	114.2#

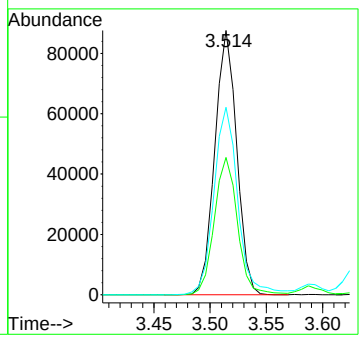


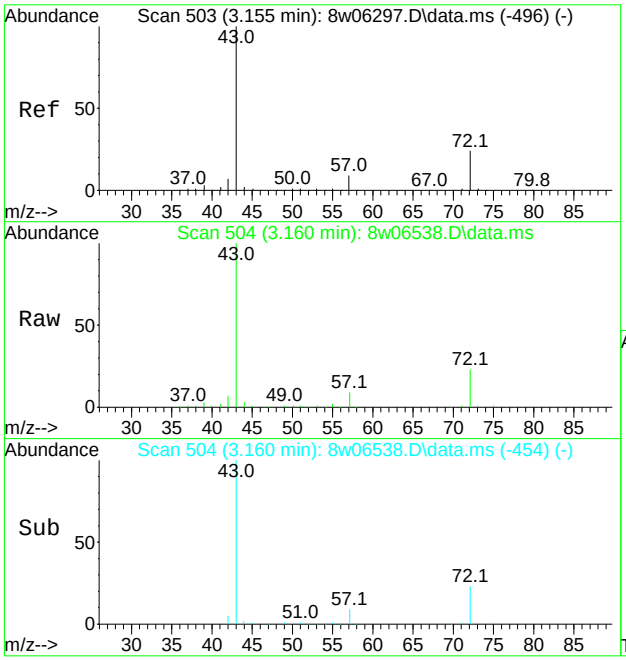


#38
HEXANE
Concen: 4.8513 PPBV
RT: 3.514 min Scan# 562
Delta R.T. 0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 57 Resp: 118744

Ion	Ratio	Lower	Upper
57	100		
56	55.0	45.3	67.9
41	77.9	89.0	133.4#

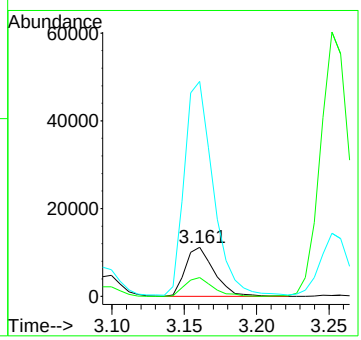


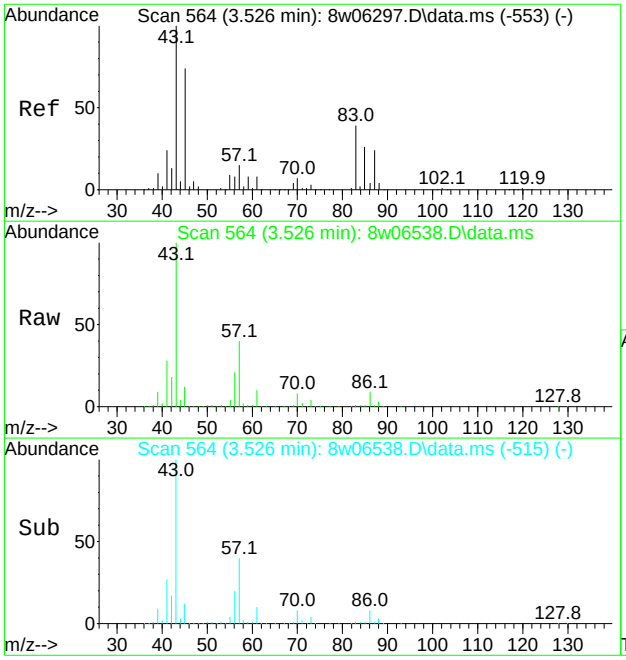


#41
METHYL ETHYL KETONE
Concen: 2.1398 PPBV
RT: 3.160 min Scan# 504
Delta R.T. 0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 72 Resp: 15474

Ion	Ratio	Lower	Upper
72	100		
57	37.6	32.1	48.1
43	444.4	363.4	545.0

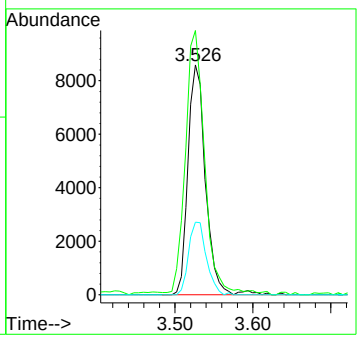


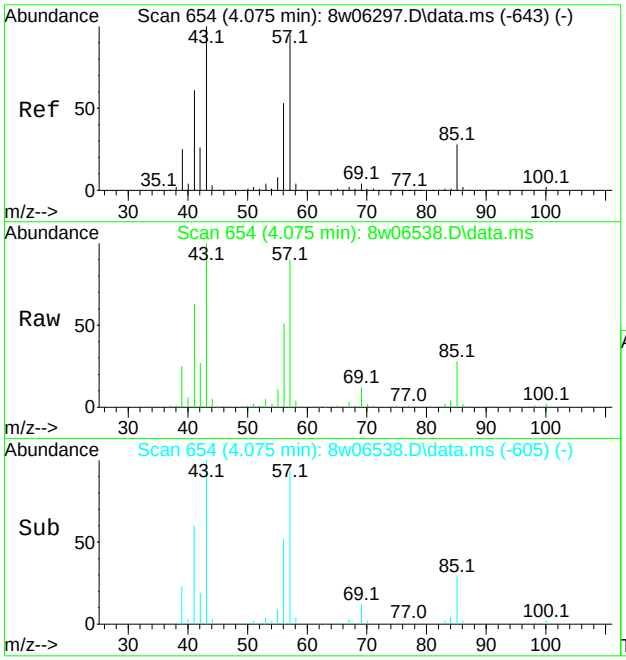


#44
ETHYL ACETATE
Concen: 2.7322 PPBV
RT: 3.526 min Scan# 564
Delta R.T. 0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 61 Resp: 13470

Ion	Ratio	Lower	Upper
61	100		
45	128.9	901.9	1352.9#
88	31.8	36.9	55.3#

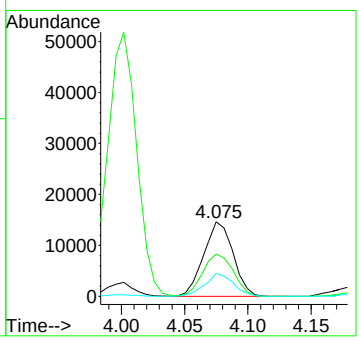


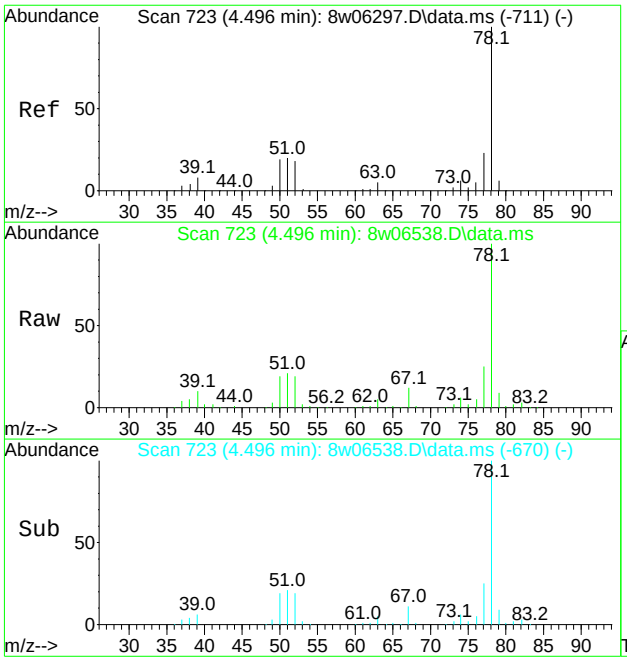


#47
2,4-DIMETHYLPENTANE
Concen: 0.7613 PPBV
RT: 4.075 min Scan# 654
Delta R.T. -0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 57 Resp: 23659

Ion	Ratio	Lower	Upper
57	100		
56	59.0	45.4	68.0
85	29.7	21.3	31.9

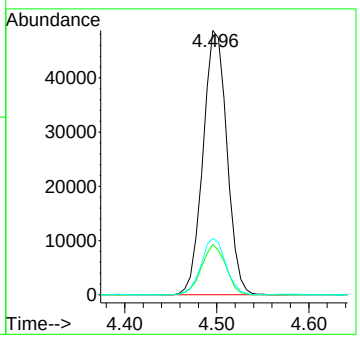


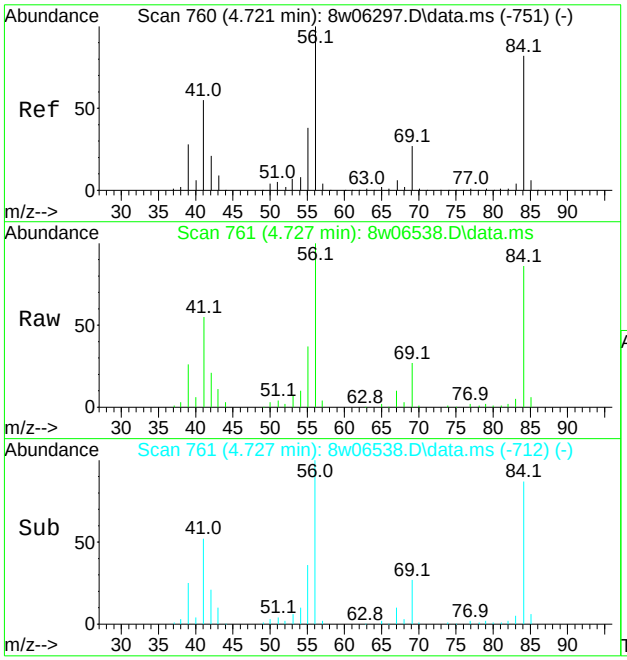


#51
BENZENE
Concen: 1.8319 PPBV
RT: 4.496 min Scan# 723
Delta R.T. -0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 78 Resp: 87872

Ion	Ratio	Lower	Upper
78	100		
52	19.3	0.8	40.8
51	22.1	2.6	42.6

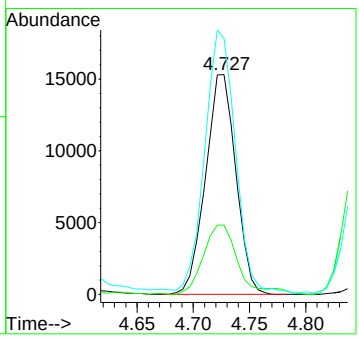


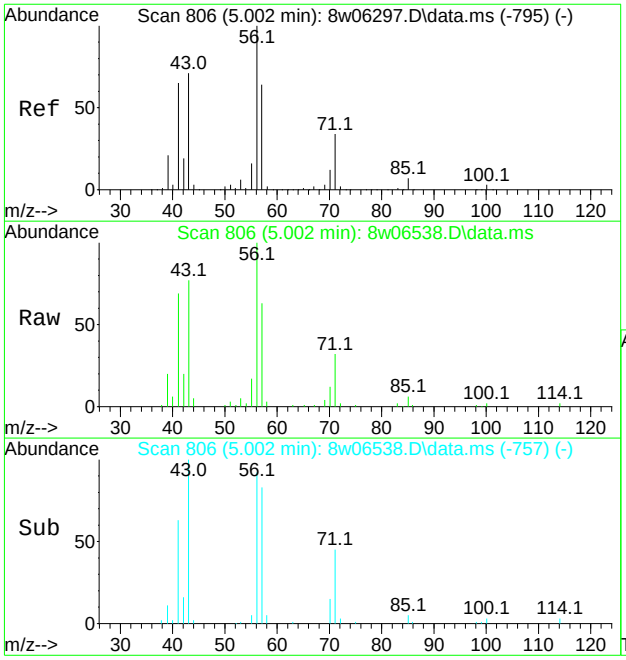


#53
CYCLOHEXANE
Concen: 1.4948 PPBV
RT: 4.727 min Scan# 761
Delta R.T. 0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 84 Resp: 28684

Ion	Ratio	Lower	Upper
84	100		
69	36.3	27.8	41.6
56	121.7	106.3	159.5

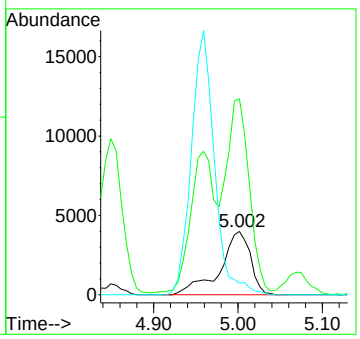


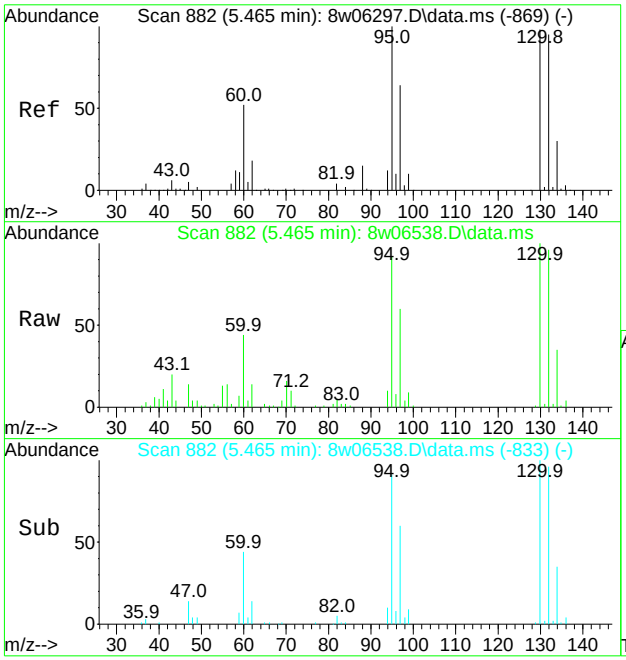


#54
2,3-DIMETHYLPENTANE
Concen: 1.0224 PPBV
RT: 5.002 min Scan# 806
Delta R.T. -0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 71 Resp: 10033

Ion	Ratio	Lower	Upper
71	100		
56	414.5	257.9	386.9#
85	0.0	15.2	22.8#

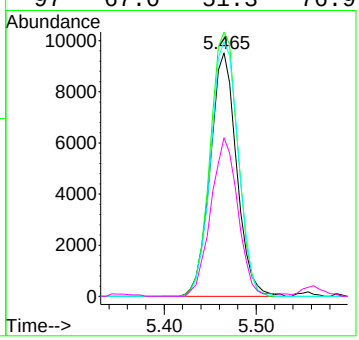


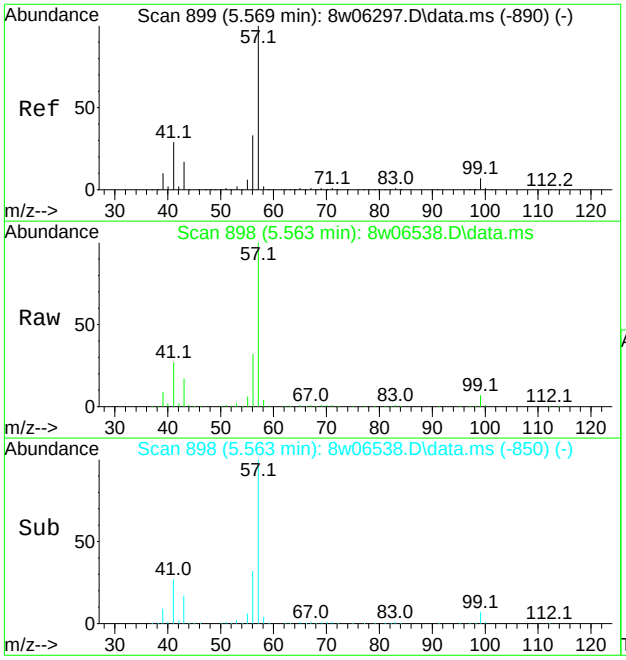


#55
TRICHLOROETHENE
Concen: 0.7766 PPBV
RT: 5.465 min Scan# 882
Delta R.T. -0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 95 Resp: 19064

Ion	Ratio	Lower	Upper
95	100		
130	113.1	76.2	114.2
132	108.5	72.4	108.6
97	67.0	51.3	76.9

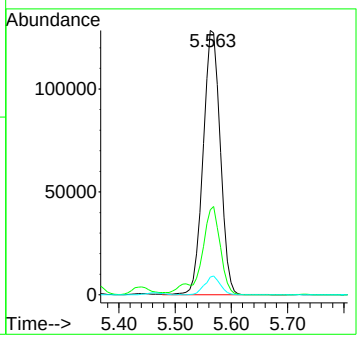


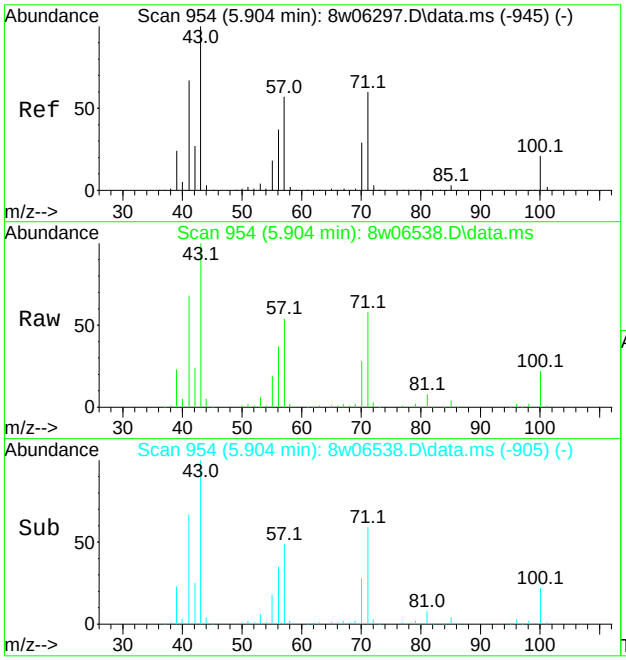


#60
2,2,4-TRIMETHYLPENTANE
Concen: 3.3849 PPBV
RT: 5.563 min Scan# 898
Delta R.T. -0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 57 Resp: 272281

Ion	Ratio	Lower	Upper
57	100		
56	36.4	25.5	38.3
99	6.5	4.6	6.8

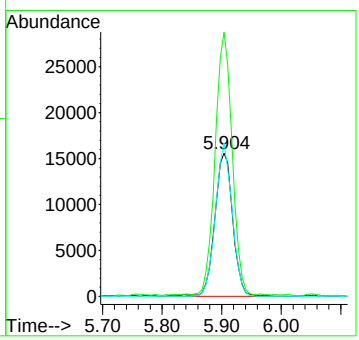


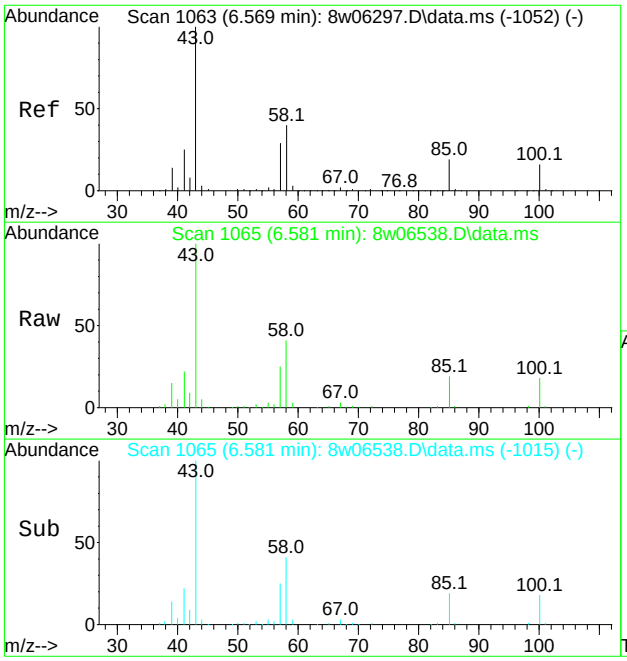


#62
HEPTANE
Concen: 2.1100 PPBV
RT: 5.904 min Scan# 954
Delta R.T. -0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 57 Resp: 32659

Ion	Ratio	Lower	Upper
57	100		
43	179.5	140.9	211.3
71	99.2	75.8	113.8

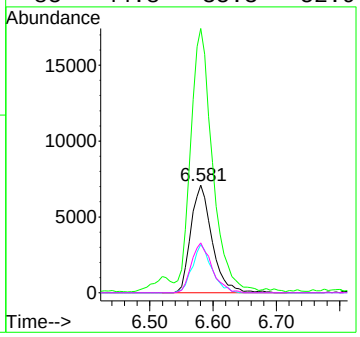


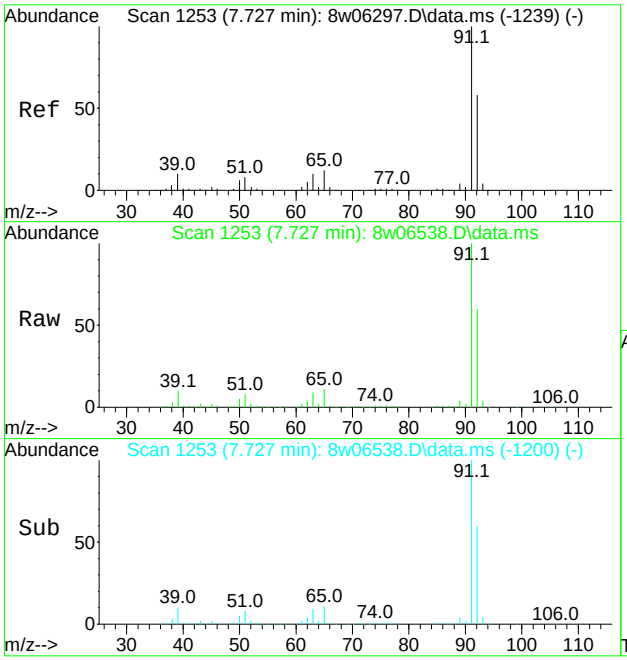


#64
METHYL ISOBUTYL KETONE
Concen: 1.0931 PPBV
RT: 6.581 min Scan# 1065
Delta R.T. 0.007 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 58 Resp: 16645

Ion	Ratio	Lower	Upper
58	100		
43	266.3	196.6	295.0
100	40.8	29.4	44.0
85	44.8	35.3	52.9

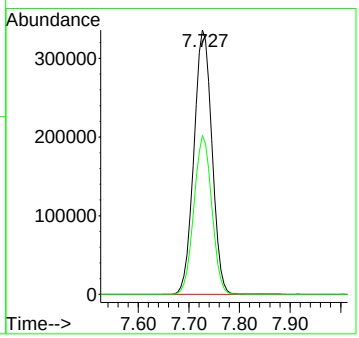


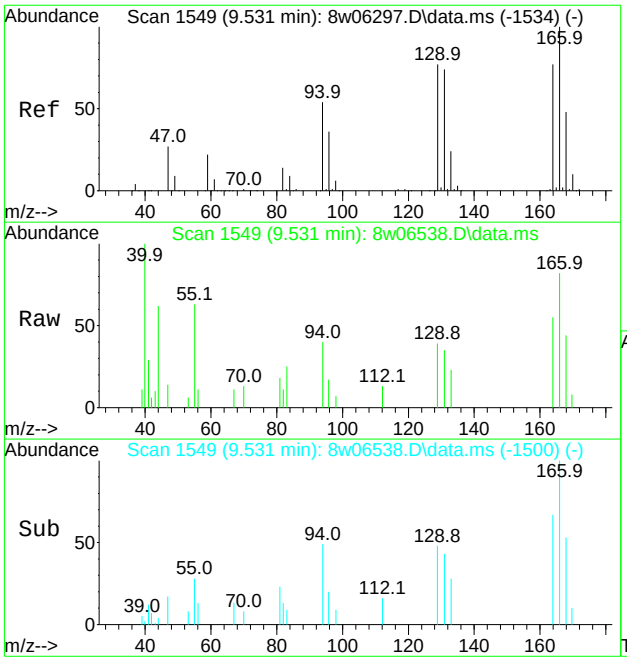


#66
TOLUENE
Concen: 14.6431 PPBV
RT: 7.727 min Scan# 1253
Delta R.T. -0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 91 Resp: 832443

Ion	Ratio	Lower	Upper
91	100		
92	59.5	39.2	79.2

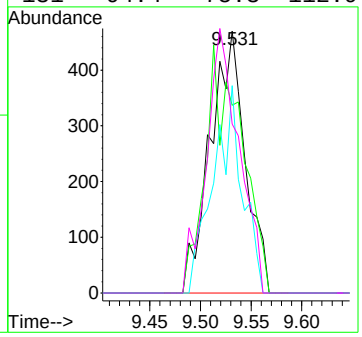


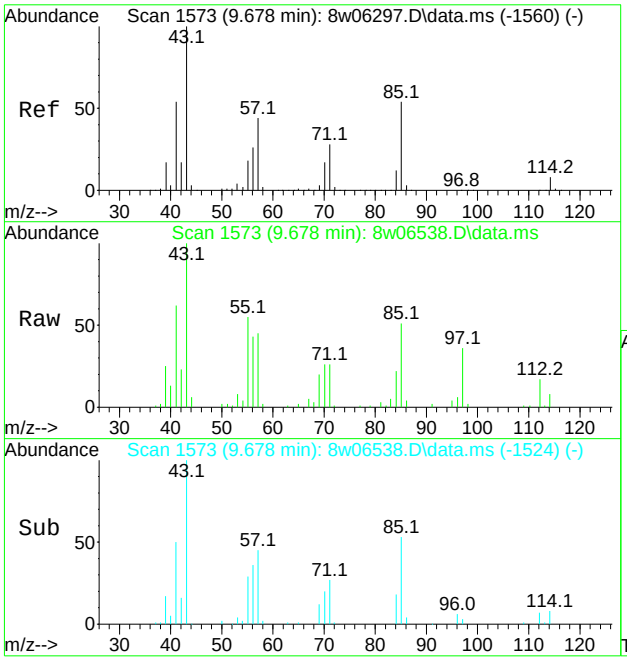


#72
TETRACHLOROETHENE
Concen: 0.0405 PPBV
RT: 9.531 min Scan# 1549
Delta R.T. 0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion:164 Resp: 1127

Ion	Ratio	Lower	Upper
164	100		
129	97.8	78.6	118.0
168	66.1	49.2	73.8
131	94.4	75.3	112.9

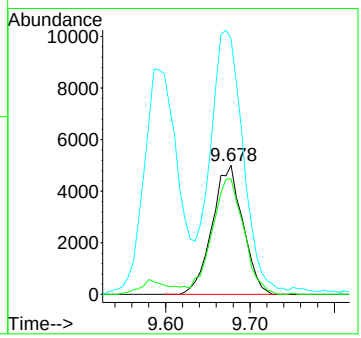


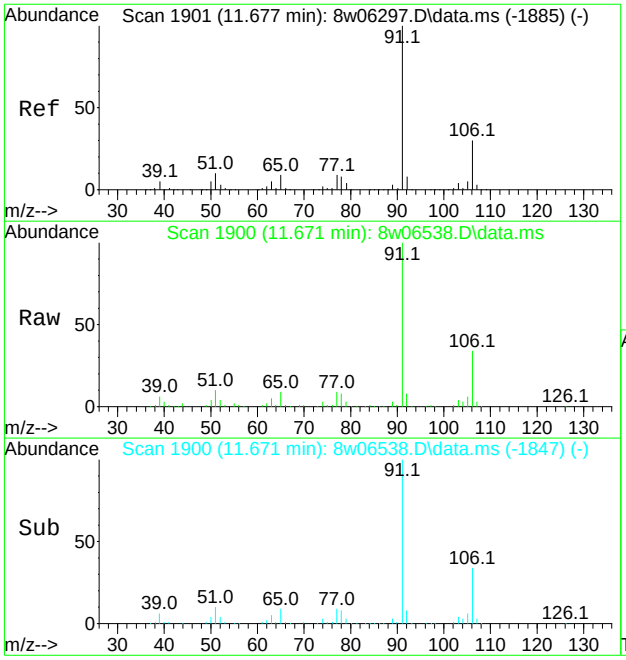


#75
OCTANE
Concen: 0.7573 PPBV
RT: 9.678 min Scan# 1573
Delta R.T. -0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 85 Resp: 12615

Ion	Ratio	Lower	Upper
85	100		
57	93.3	74.2	111.2
43	226.3	167.7	251.5

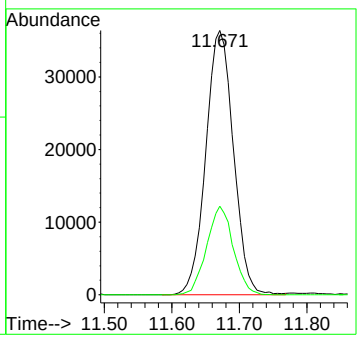


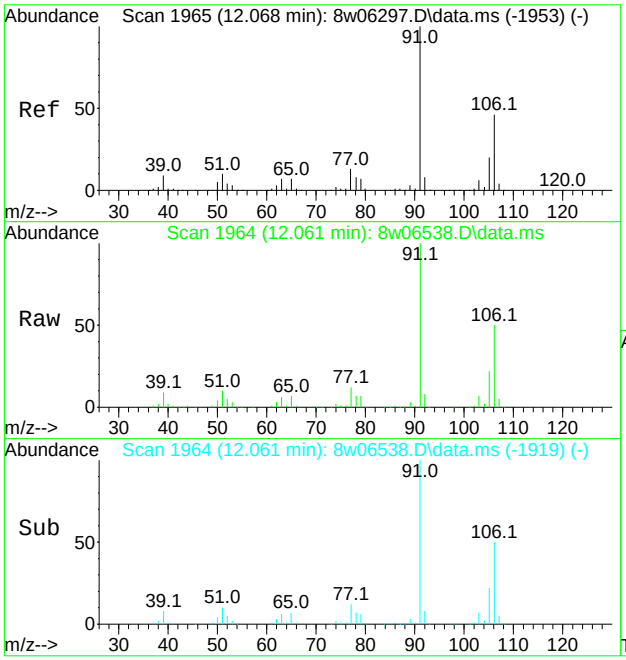


#79
ETHYLBENZENE
Concen: 1.3241 PPBV
RT: 11.671 min Scan# 1900
Delta R.T. -0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 91 Resp: 103802

Ion	Ratio	Lower	Upper
91	100		
106	32.2	9.6	49.6

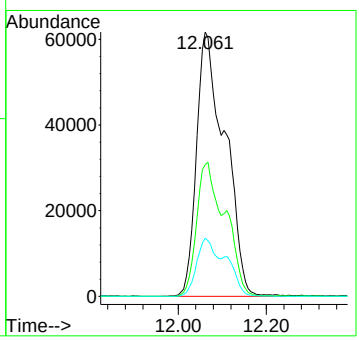


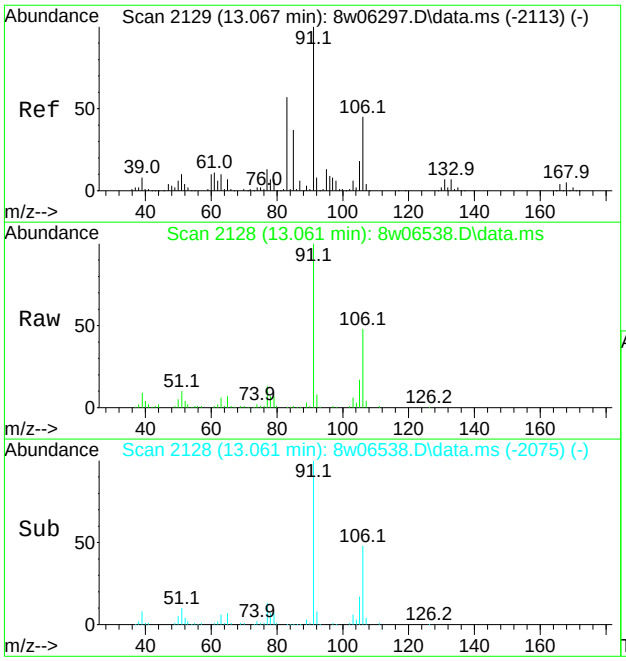


#80
M,P-XYLENE
Concen: 4.2861 PPBV
RT: 12.061 min Scan# 1964
Delta R.T. -0.055 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 91 Resp: 276670

Ion	Ratio	Lower	Upper
91	100		
106	51.0	1.6	41.6#
105	22.5	0.8	40.8

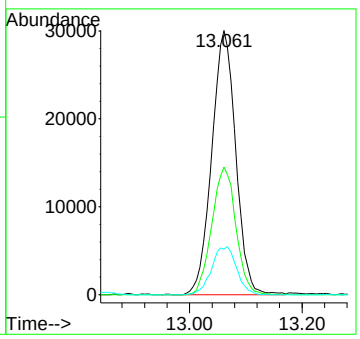


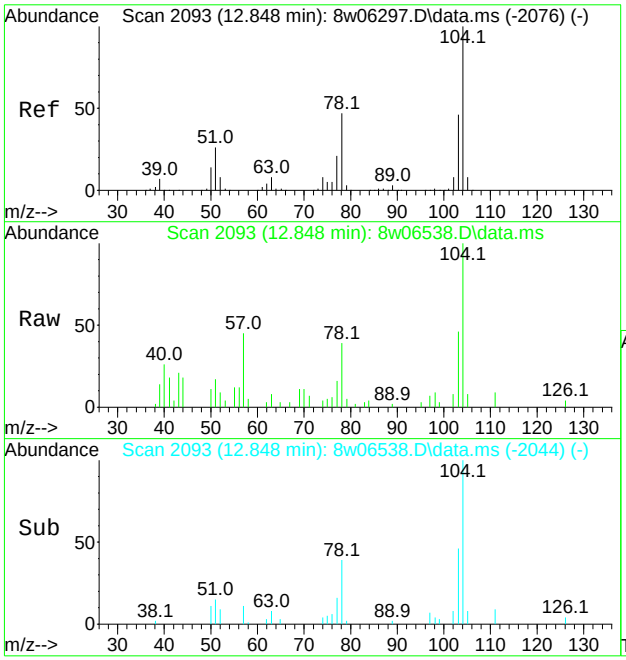


#81
O-XYLENE
Concen: 1.4111 PPBV
RT: 13.061 min Scan# 2128
Delta R.T. -0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 91 Resp: 88994

Ion	Ratio	Lower	Upper
91	100		
106	48.3	33.4	50.0
105	17.3	13.9	20.9

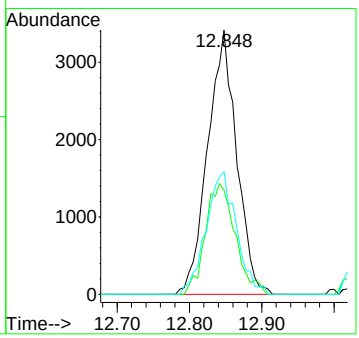


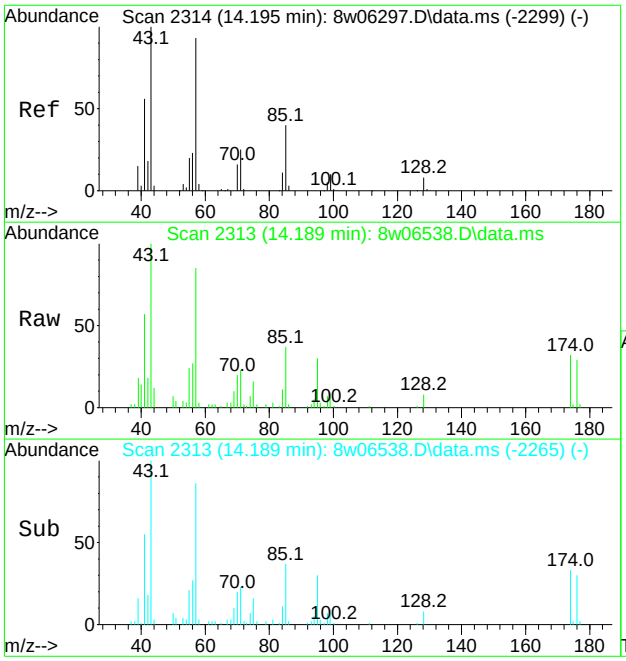


#82
STYRENE
Concen: 0.2282 PPBV
RT: 12.848 min Scan# 2093
Delta R.T. -0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion:104 Resp: 9507

Ion	Ratio	Lower	Upper
104	100		
78	43.3	40.2	60.4
103	48.6	38.2	57.4

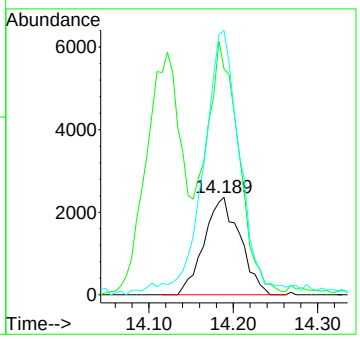


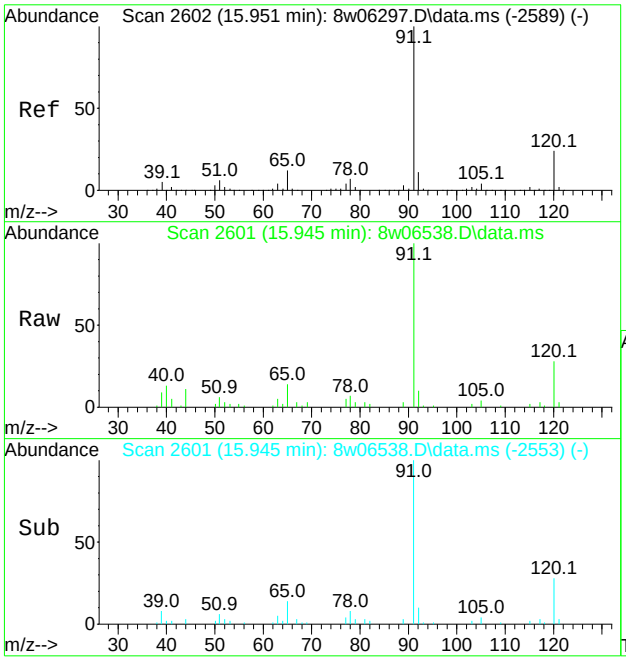


#83
NONANE
Concen: 0.4922 PPBV
RT: 14.189 min Scan# 2313
Delta R.T. -0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion: 85 Resp: 6978

Ion	Ratio	Lower	Upper
85	100		
57	233.2	229.3	343.9
43	277.8	229.5	344.3

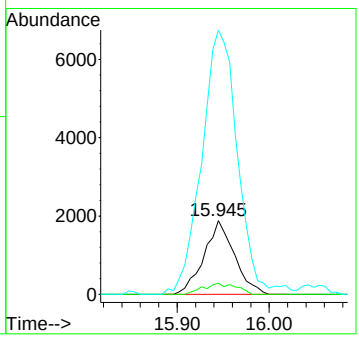


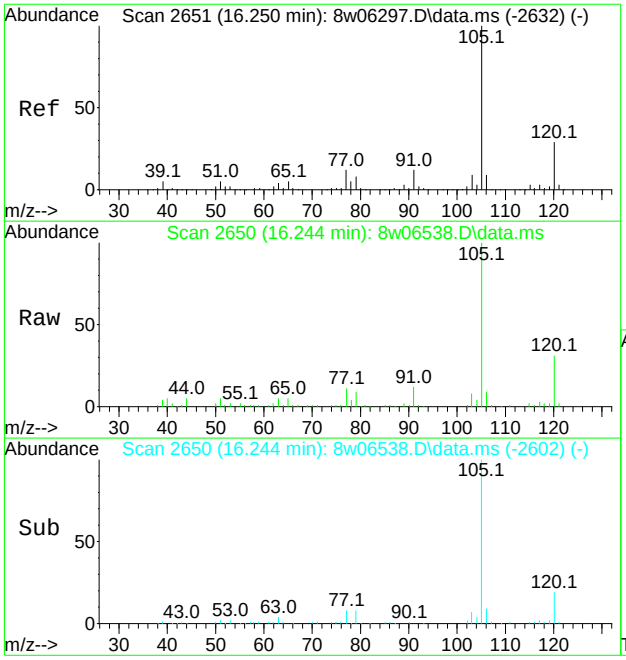


#91
N-PROPYLBENZENE
Concen: 0.1943 PPBV
RT: 15.945 min Scan# 2601
Delta R.T. -0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion:120 Resp: 4316

Ion	Ratio	Lower	Upper
120	100		
105	16.3	13.9	20.9
91	424.6	365.9	548.9

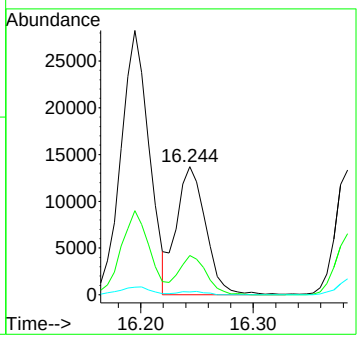


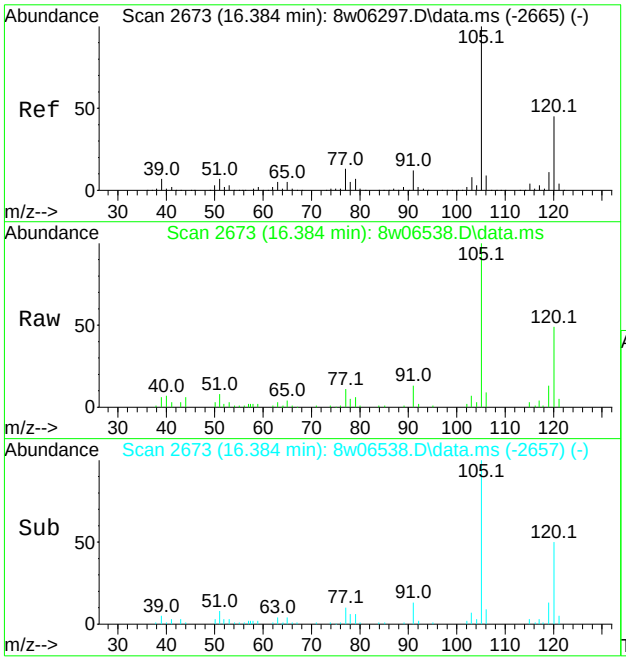


#92
4-ETHYLTOLUENE
Concen: 0.2868 PPBV
RT: 16.244 min Scan# 2650
Delta R.T. -0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion:105 Resp: 24755

Ion	Ratio	Lower	Upper
105	100		
120	25.2	22.1	33.1
119	2.1	1.8	2.6

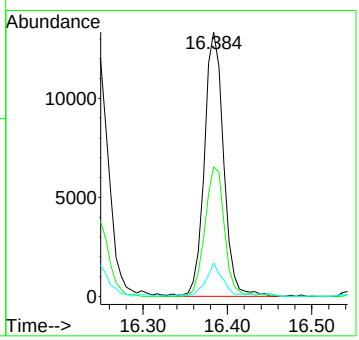


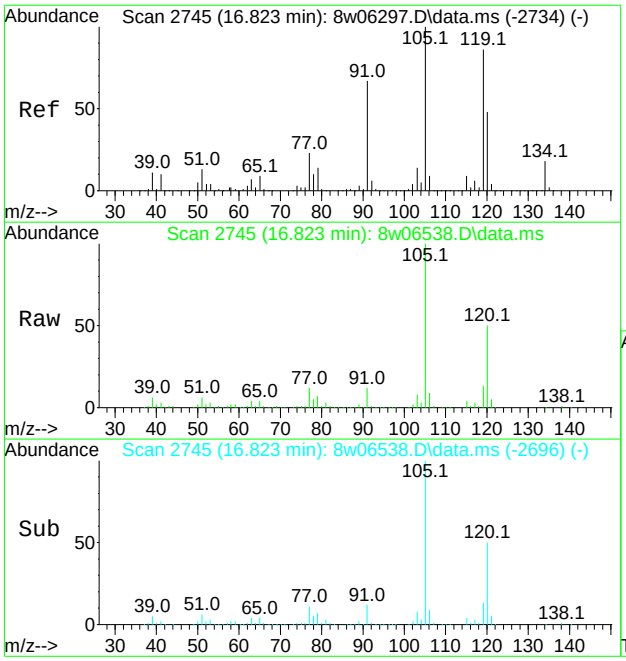


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.2839 PPBV
RT: 16.384 min Scan# 2673
Delta R.T. -0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion:105 Resp: 21204

Ion	Ratio	Lower	Upper
105	100		
120	50.1	35.0	52.4
91	12.7	9.8	14.6

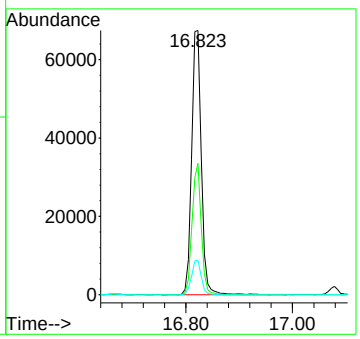


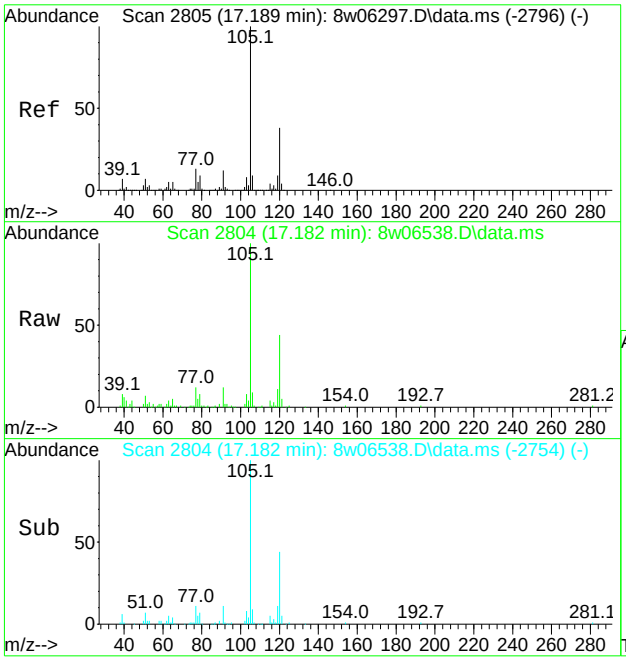


#96
1,2,4-TRIMETHYLBENZENE
Concen: 1.1534 PPBV
RT: 16.823 min Scan# 2745
Delta R.T. -0.000 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion:105 Resp: 85696

Ion	Ratio	Lower	Upper
105	100		
120	47.0	39.5	59.3
119	13.1	82.0	123.0#

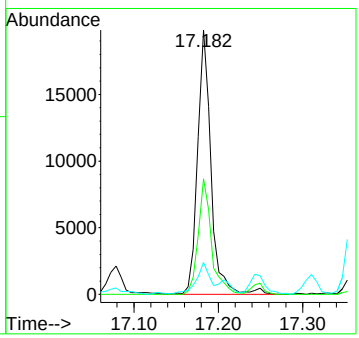


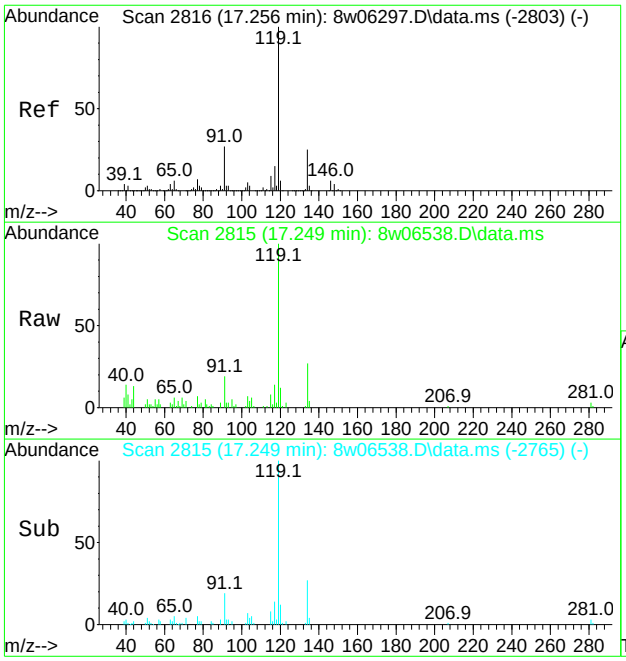


#102
1,2,3-TRIMETHYLBENZENE
Concen: 0.2831 PPBV
RT: 17.182 min Scan# 2804
Delta R.T. 0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion:105 Resp: 22047

Ion	Ratio	Lower	Upper
105	100		
120	43.0	30.3	45.5
91	16.6	9.3	13.9#

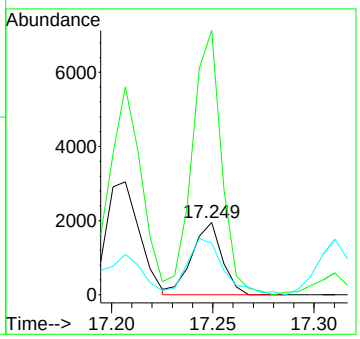


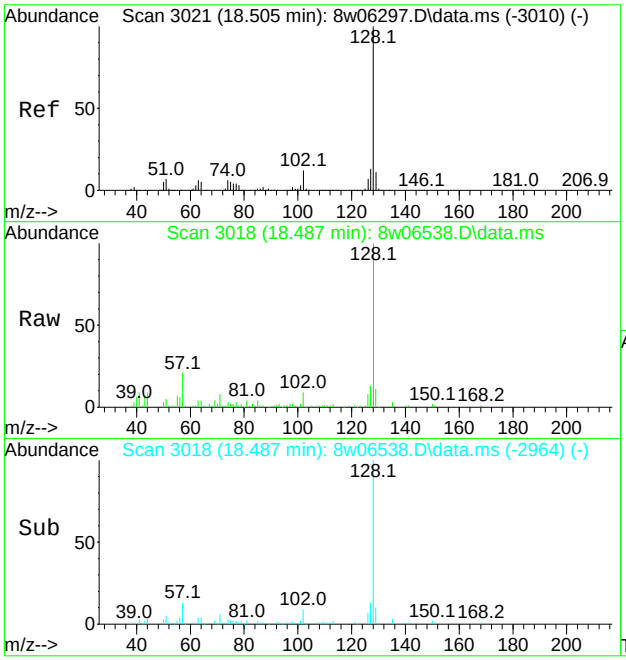


#103
P-ISOPROPYLTOLUENE
Concen: 0.0917 PPBV
RT: 17.249 min Scan# 2815
Delta R.T. 0.006 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion:134 Resp: 2015

Ion	Ratio	Lower	Upper
134	100		
119	359.5	336.2	504.2
91	94.2	95.6	143.4#

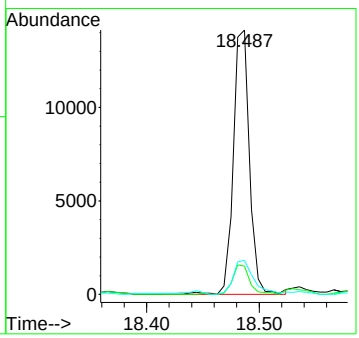




#108
NAPHTHALENE
Concen: 0.1525 PPBV
RT: 18.487 min Scan# 3018
Delta R.T. 0.031 min
Lab File: 8w06538.D
Acq: 31 Jul 2024 07:58 pm

Tgt Ion:128 Resp: 14197

Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.7	13.1
127	20.0	10.4	15.6#



Manual Integration Approval Summary

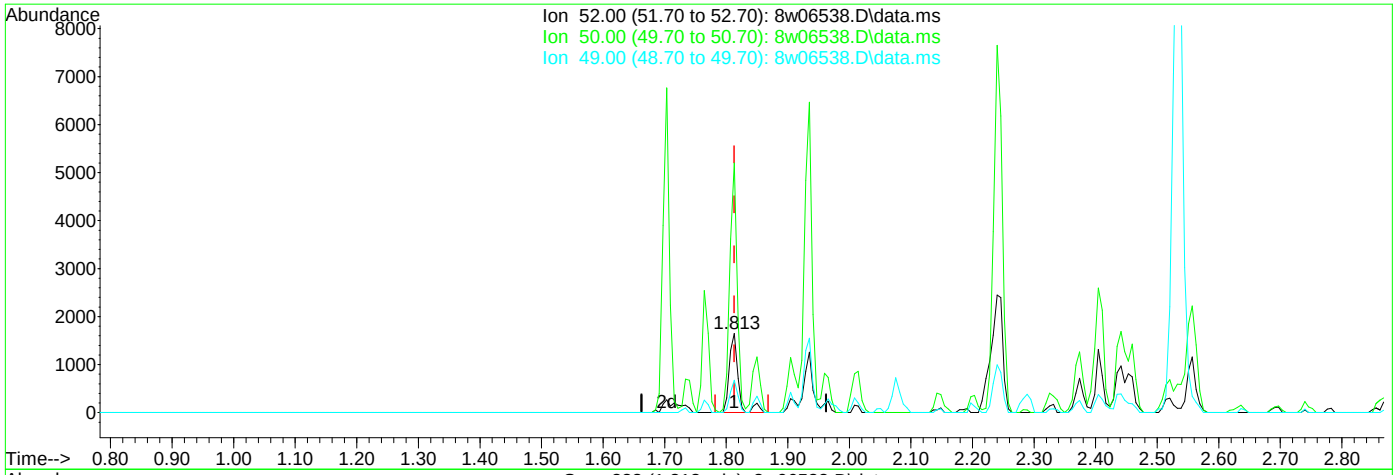
Sample Number:	JD91882-2DUP	**Method:**	TO-15
Lab FileID:	8W06538.D	**Analyst approved:**	08/01/24 09:35 Lucky Carandang
Injection Time:	07/31/24 19:58	**Supervisor approved:**	08/01/24 11:42 Kanya Veerawat

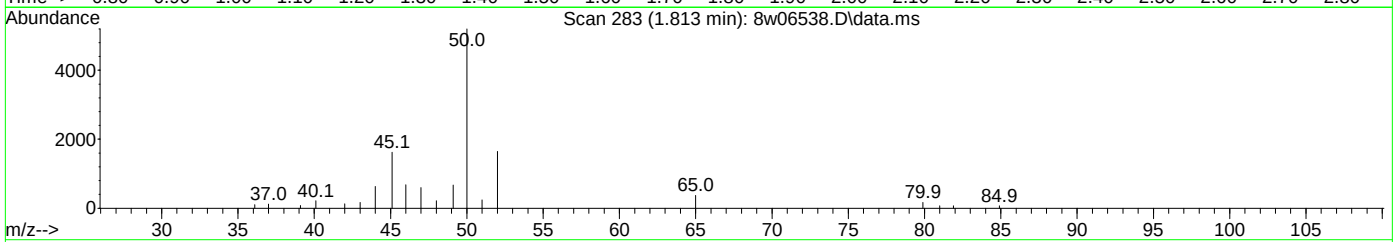
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloromethane	74-87-3		1.81	Overlapping peak
n-Butane	106-97-8		1.94	Overlapping peak

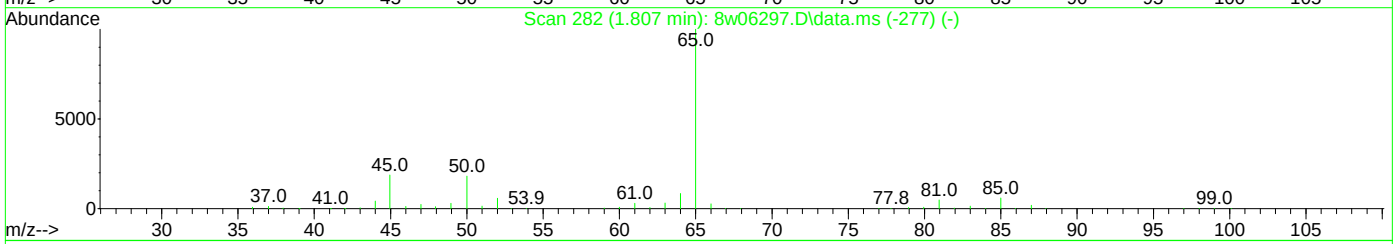
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06538.D
Acq On : 31 Jul 2024 07:58 pm
Operator : thomash
Sample : jd91882-2dup Inst : GCMS
Misc : MS82947,v8w0250,400,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 01 13:27:02 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration







TIC: 8w06538.D\data.ms

(10) CHLOROMETHANE (T)

1.813min (+0.000) 0.70PPBV

response 1643

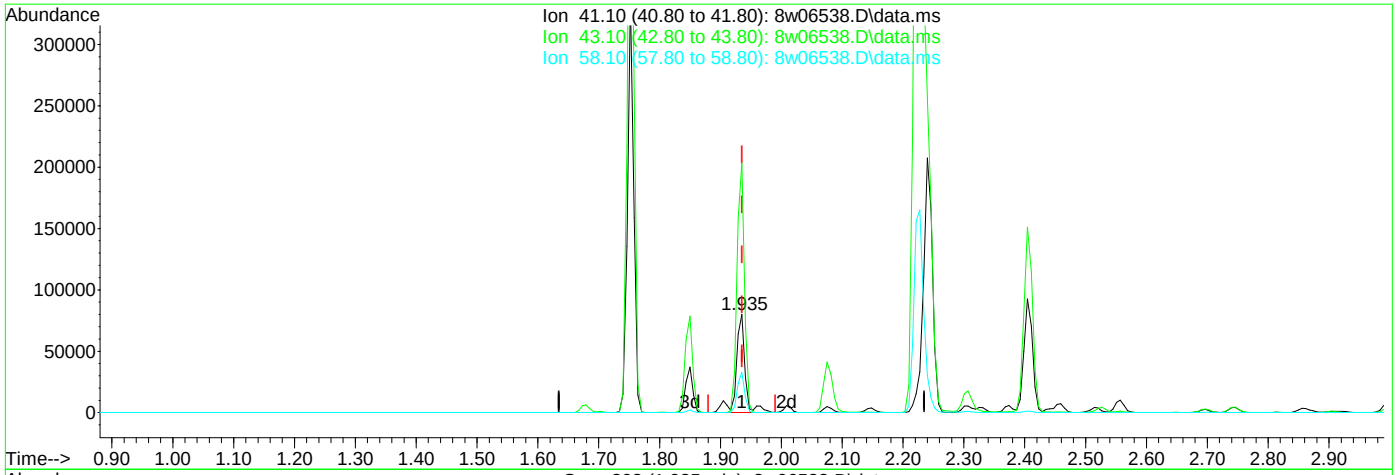
Ion	Exp%	Act%
52.00	100	100
50.00	320.00	328.48
49.00	48.40	51.67
0.00	0.00	0.00

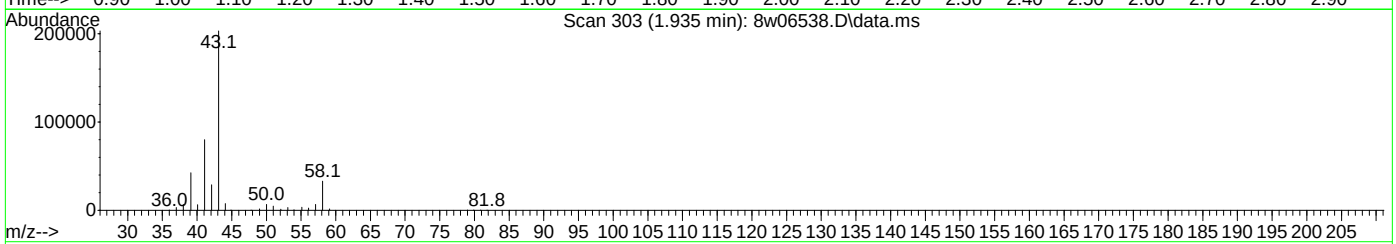
8W06538.D edits: CHLOROMETHANE

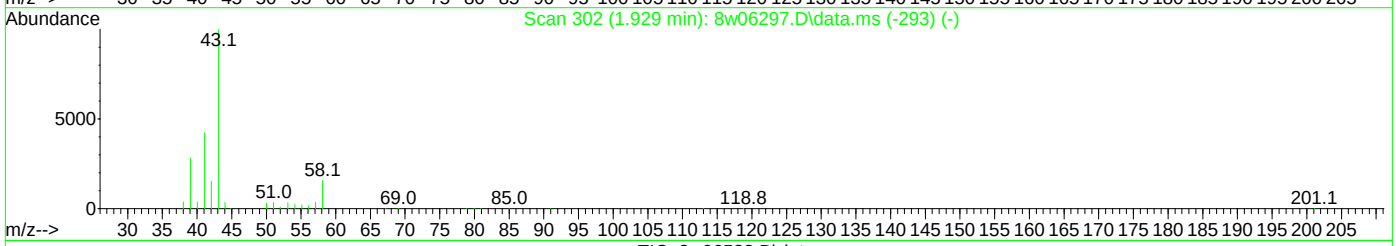
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06538.D
Acq On : 31 Jul 2024 07:58 pm
Operator : thomash
Sample : jd91882-2dup Inst : GCMS
Misc : MS82947,v8w0250,400,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 01 13:27:02 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration







TIC: 8w06538.D\data.ms

(13) N-BUTANE (T)

1.935min (+0.000) 16.00PPBV

response 84219

Ion	Exp%	Act%
41.10	100	100
43.10	245.80	206.26
58.10	39.30	32.84
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\02 April 2024\v7w222\
Data File : 7w05820.d
Acq On : 30 Mar 2024 4:32 pm
Operator : taylors
Sample : scc(a2141),cp12724 Inst : MS7W
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 02 00:46:54 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

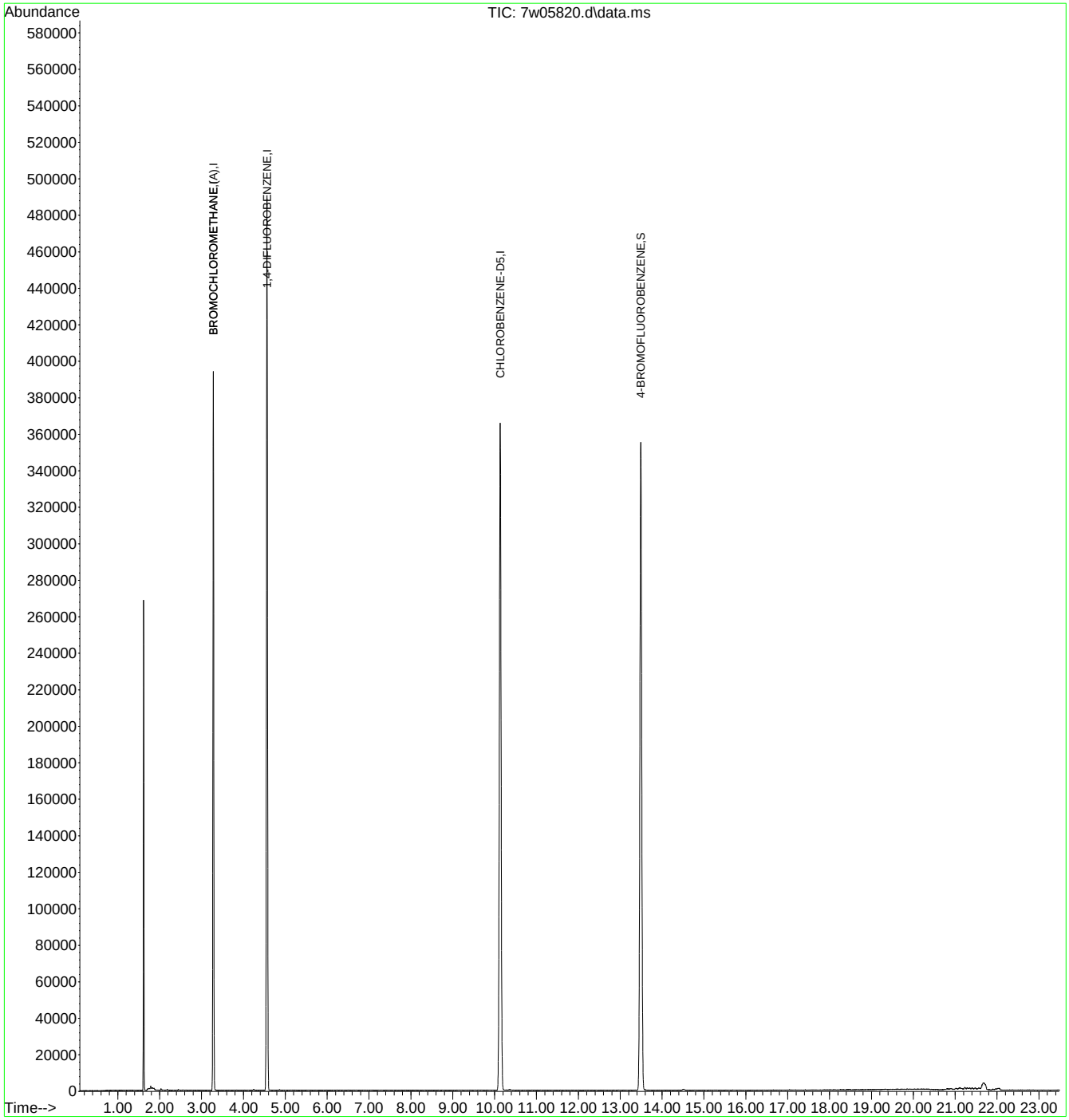
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.283	128	78085	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	380769	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.132	117	348981	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.283	128	78085	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.492	95	224162	8.57	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\02 April 2024\v7w222\
Data File : 7w05820.d
Acq On : 30 Mar 2024 4:32 pm
Operator : taylors
Sample : scc(a2141),cp12724 Inst : MS7W
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 02 00:46:54 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w06252.D
Acq On : 20 Apr 2024 1:46 am
Operator : benk
Sample : scc(a1282),cp12749
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 20 10:59:00 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

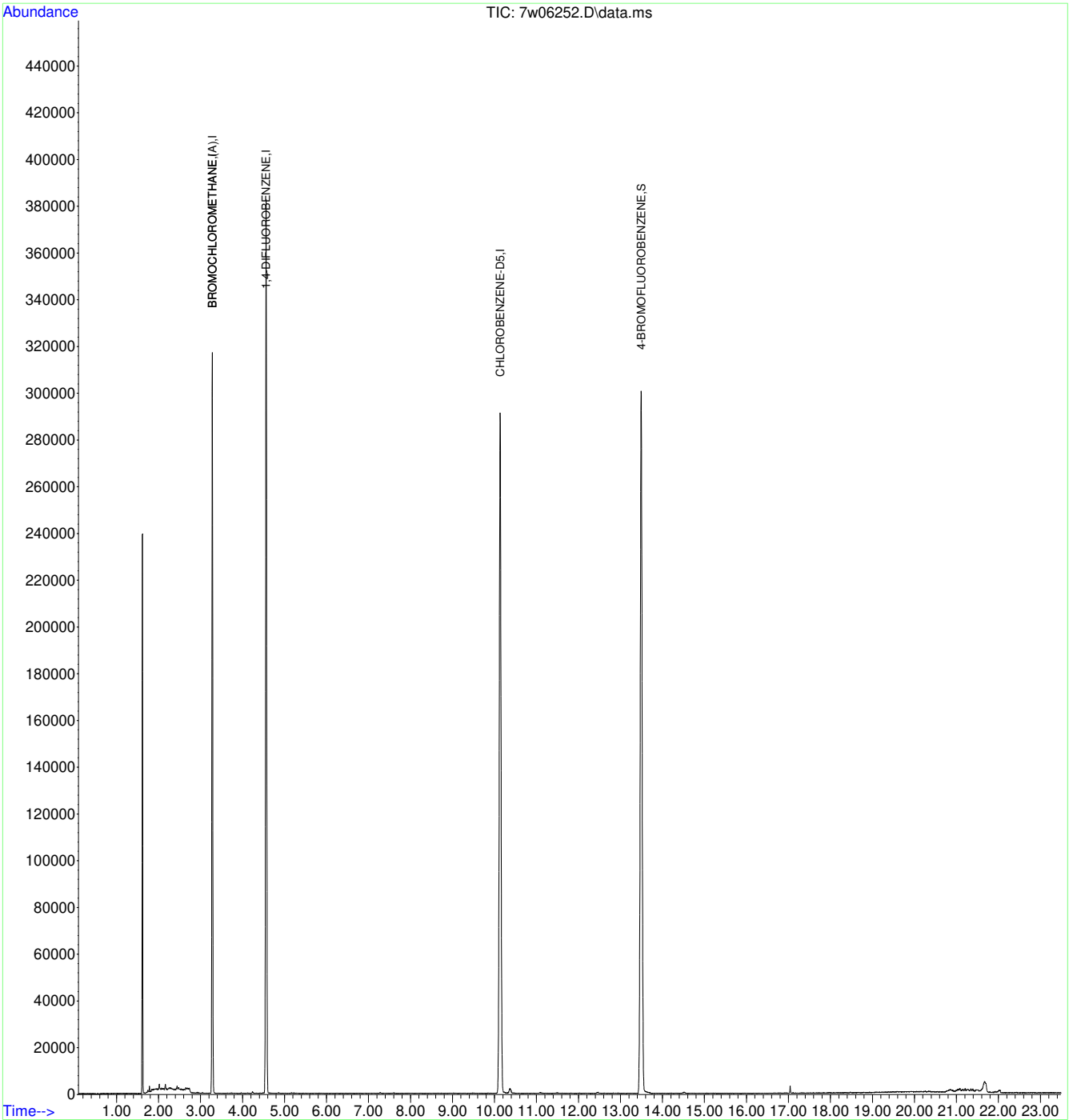
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.280	128	66004	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.560	114	309848	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.138	117	290326	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.280	128	66037	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.495	95	194771	8.95	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w06252.D
Acq On : 20 Apr 2024 1:46 am
Operator : benk
Sample : scc(a1282),cp12749
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 7 Sample Multiplier: 1

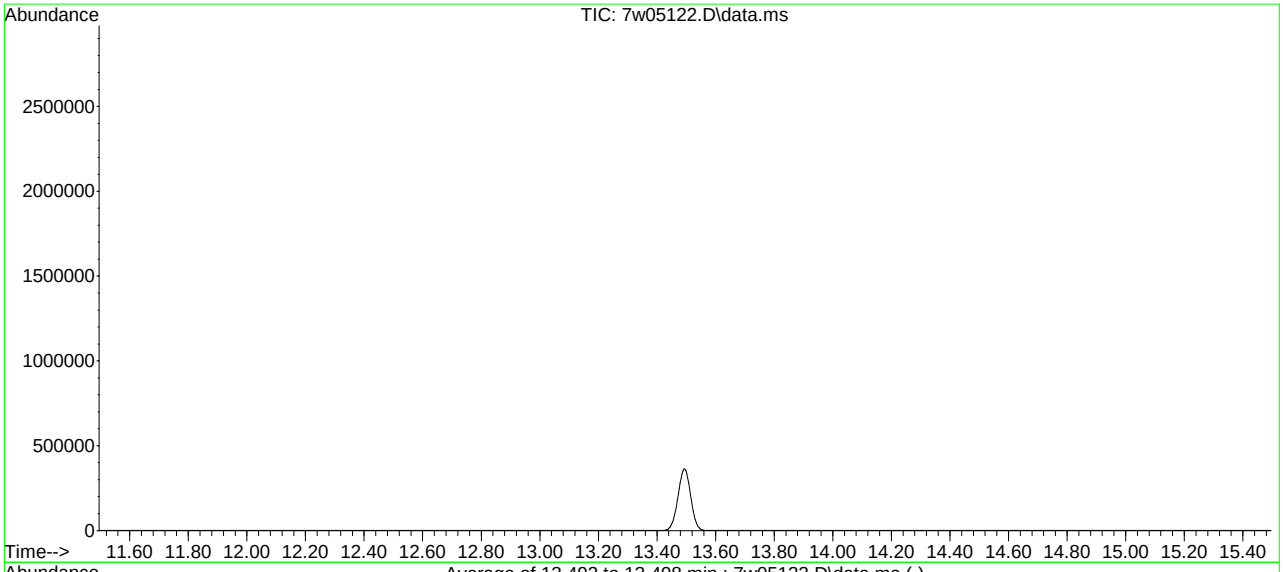
Quant Time: Apr 20 10:59:00 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

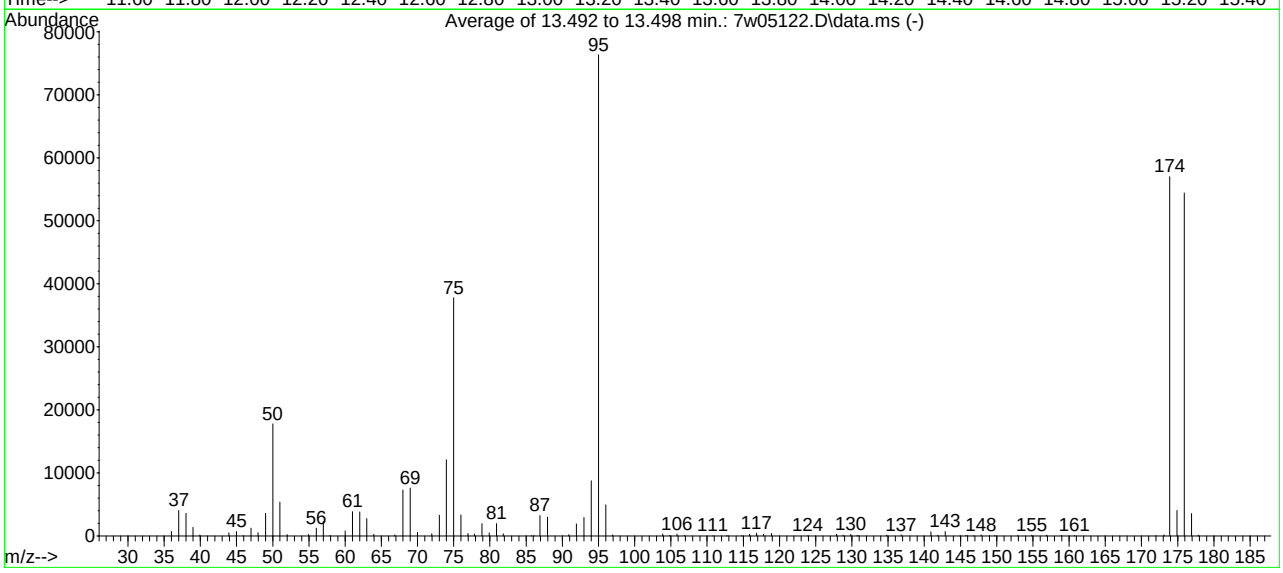


BFB

Data File : C:\msdchem\1\data\7w\7w05122.D Vial: 1
Acq On : 3 Mar 2024 1:33 am Operator: williamc
Sample : bfb Inst : MS7W
Misc : MS74014,v7w0201,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um





AutoFind: Scans 4169, 4170, 4171; Background Corrected with Scan 4142

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.3	17760	PASS
75	95	30	66	49.5	37779	PASS
95	95	100	100	100.0	76341	PASS
96	95	5	9	6.4	4920	PASS
173	174	0.00	2	0.3	176	PASS
174	95	50	120	74.7	57005	PASS
175	174	4	9	7.1	4049	PASS
176	174	93	101	95.5	54421	PASS
177	176	5	9	6.5	3543	PASS

7w05122.D M7Wbfb.M Tue Mar 05 14:11:50 2024

Average of 13.492 to 13.498 min.: 7w05122.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	711	50.00	17760	63.95	268	77.85	289
37.00	4042	51.00	5340	66.85	171	78.90	1918
38.00	3578	52.00	210	68.00	7279	79.90	485
39.00	1368	54.95	216	69.00	7592	80.90	1947
39.90	109	56.00	1238	70.00	560	81.85	357
43.95	458	57.00	2232	71.95	346	85.75	46
45.00	699	57.90	71	73.00	3254	86.10	19
45.90	46	60.00	760	74.00	12074	86.90	3218
47.00	1230	61.00	3850	75.00	37779	87.95	2971
47.95	532	62.00	3787	76.00	3313	90.90	219
49.00	3589	63.00	2718	76.95	401	91.95	1902

Average of 13.492 to 13.498 min.: 7w05122.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	2912	112.90	21	130.85	79	149.00	17
94.00	8765	114.80	33	134.80	124	149.75	69
95.00	76341	115.85	254	136.80	142	152.90	44
96.00	4920	116.85	431	140.90	638	154.85	122
96.95	141	117.80	268	141.85	76	156.85	115
103.85	282	118.90	370	142.90	679	158.90	72
104.85	86	123.90	28	144.95	41	160.75	80
105.85	313	127.85	244	145.75	74	172.00	19
106.85	84	128.80	125	146.00	23	173.10	176
110.80	34	129.85	248	146.80	22	173.90	57005
112.70	19	130.70	44	147.85	161	174.90	4049

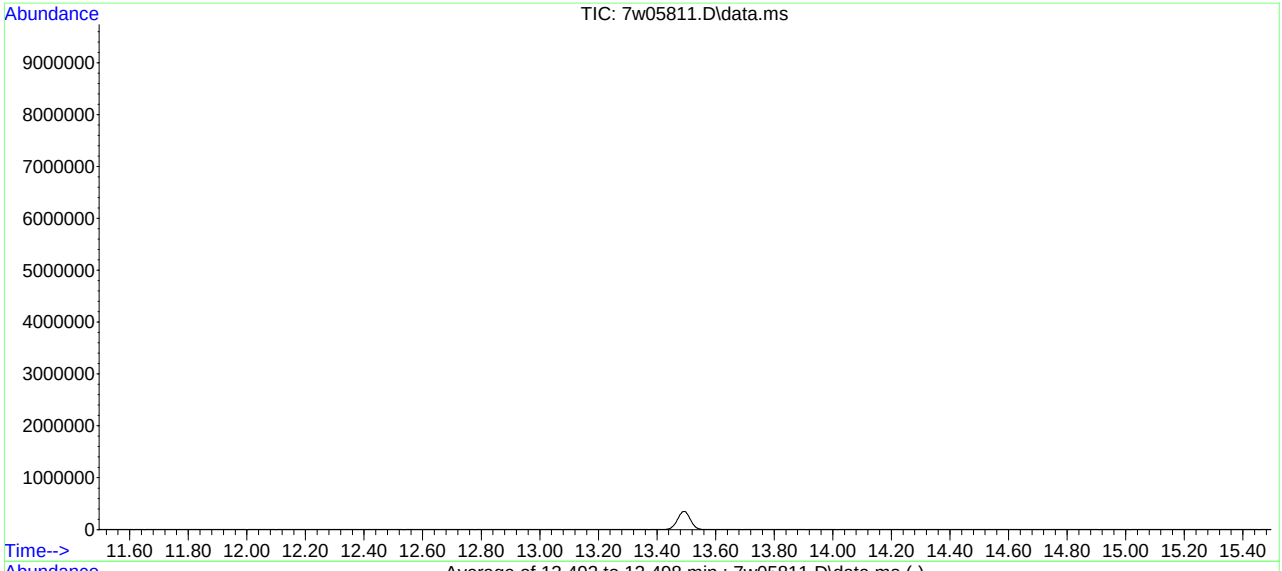
Average of 13.492 to 13.498 min.: 7w05122.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
175.90	54421						
176.90	3543						
177.85	110						

BFB

Data File : C:\msdchem\1\data\7w\7w05811.D Vial: 1
Acq On : 30 Mar 2024 10:39 am Operator: taylors
Sample : bfb Inst : MS7W
Misc : MS79264,v7w0222,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4169, 4170, 4171; Background Corrected with Scan 4142

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.7	15485	PASS
75	95	30	66	45.8	32667	PASS
95	95	100	100	100.0	71357	PASS
96	95	5	9	6.6	4705	PASS
173	174	0.00	2	0.3	151	PASS
174	95	50	120	83.6	59677	PASS
175	174	4	9	7.2	4269	PASS
176	174	93	101	98.0	58504	PASS
177	176	5	9	6.2	3624	PASS

7w05811.D M7Wbfb.M Mon Apr 01 17:27:53 2024

Average of 13.492 to 13.498 min.: 7w05811.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	634	51.00	5192	63.95	213	76.85	308
37.00	3787	51.95	184	66.85	116	77.85	276
38.00	3278	54.80	35	67.20	55	78.90	1664
39.00	1341	54.95	100	68.00	6633	79.95	365
39.90	7	56.00	1061	69.00	6433	80.90	1540
43.90	392	57.00	2024	70.00	458	81.85	350
45.00	661	57.95	57	71.95	307	82.90	52
47.00	1243	59.95	641	72.95	2816	85.80	18
47.95	544	61.00	3302	74.00	10916	86.00	29
49.00	3315	62.00	3345	75.00	32667	86.95	2870
50.00	15485	63.00	2392	76.00	2862	87.95	2963

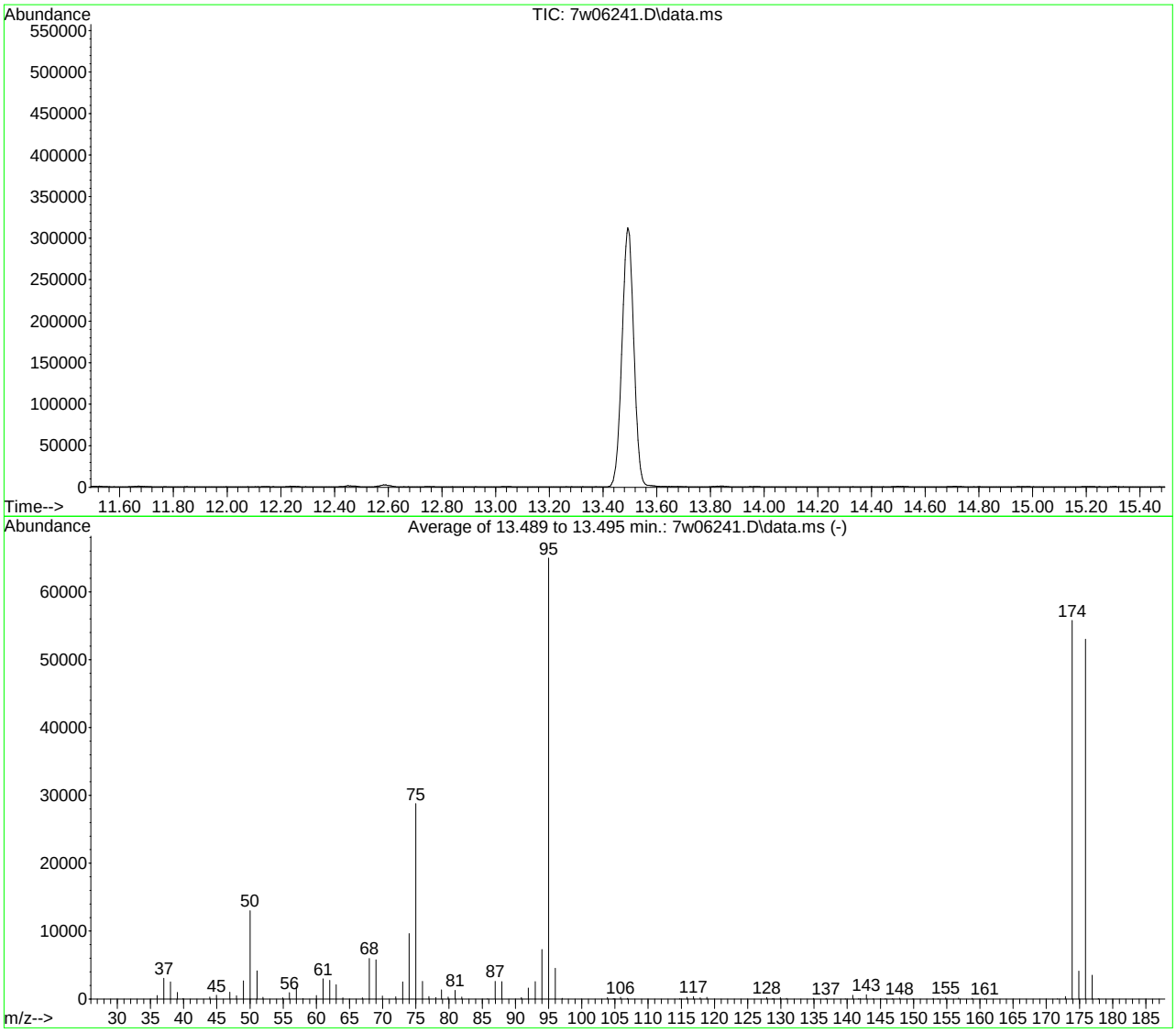
Average of 13.492 to 13.498 min.: 7w05811.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.90	212	114.85	46	139.75	40	154.85	168
91.95	2020	115.80	219	140.85	674	156.85	131
92.95	2682	116.85	446	141.80	45	158.85	99
94.00	8068	117.85	192	142.85	635	160.75	75
95.00	71357	118.80	375	144.90	49	172.20	26
96.00	4705	127.75	288	145.75	102	173.00	151
96.95	163	128.85	111	146.70	22	173.90	59677
103.90	282	129.80	256	147.80	153	174.90	4269
104.75	68	130.75	93	148.80	35	175.90	58504
105.80	297	134.90	108	149.80	40	176.90	3624
107.00	21	136.80	105	152.75	57	177.80	84

BFB

Data File : C:\msdchem\1\data\7w\7w06241.D Vial: 1
Acq On : 19 Apr 2024 6:46 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS79448,v7w0236,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4168, 4169, 4170; Background Corrected with Scan 4140

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.0	13019	PASS
75	95	30	66	44.3	28773	PASS
95	95	100	100	100.0	64968	PASS
96	95	5	9	7.0	4519	PASS
173	174	0.00	2	0.7	369	PASS
174	95	50	120	85.8	55768	PASS
175	174	4	9	7.4	4114	PASS
176	174	93	101	95.1	53008	PASS
177	176	5	9	6.6	3490	PASS

7w06241.D M7Wbfb.M Sat Apr 20 13:01:25 2024

Average of 13.489 to 13.495 min.: 7w06241.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	515	51.05	4135	66.95	177	78.85	1336
37.00	3037	51.95	242	68.00	5953	79.85	277
38.00	2532	54.95	167	69.00	5756	80.90	1263
39.05	967	55.95	927	69.95	444	81.90	279
39.90	65	57.00	1791	71.95	337	85.80	21
43.95	299	58.00	51	73.00	2529	86.95	2589
44.95	535	60.00	531	74.00	9649	87.95	2575
46.95	1023	61.00	2958	75.00	28773	90.90	197
47.95	470	62.00	2765	76.00	2603	91.95	1599
49.00	2673	63.00	2117	76.95	372	93.00	2541
50.00	13019	64.00	183	78.00	209	94.00	7296

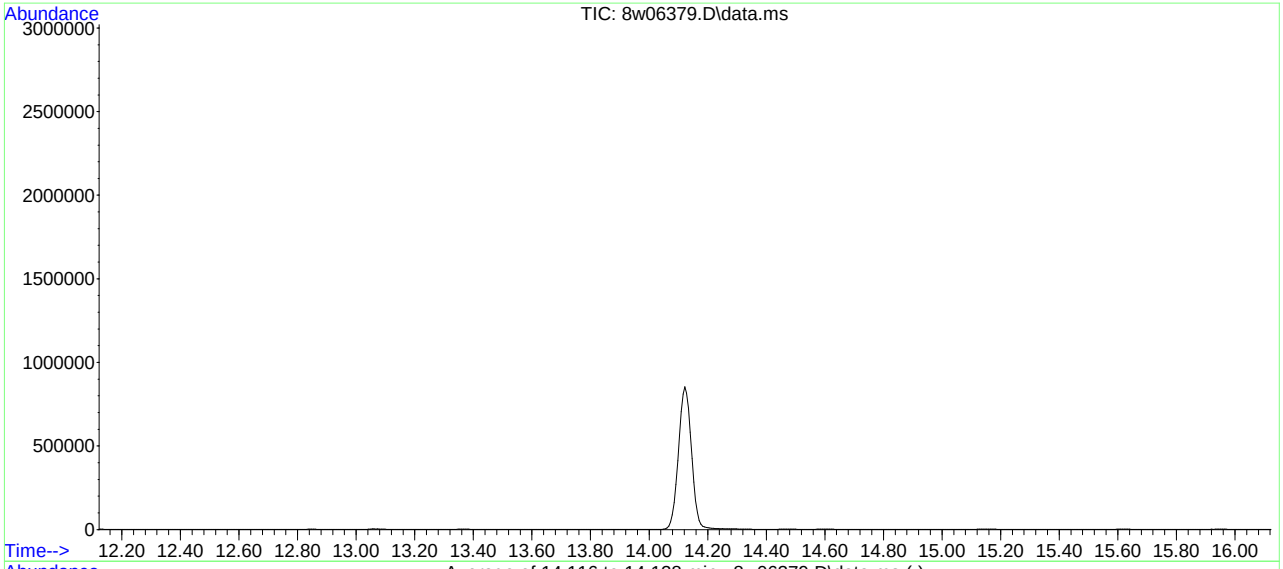
Average of 13.489 to 13.495 min.: 7w06241.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	64968	117.85	183	141.70	23	154.85	174
96.00	4519	118.85	252	141.90	65	156.80	135
97.05	113	127.85	229	142.90	617	158.85	88
103.85	209	128.70	27	143.90	18	160.75	51
104.75	66	128.90	80	145.00	66	171.70	17
105.00	25	129.90	228	145.75	55	172.90	369
105.85	247	130.85	98	146.80	20	173.90	55768
106.90	102	134.90	92	147.90	133	174.90	4114
114.80	73	136.80	103	149.90	24	175.90	53008
115.85	250	139.70	17	152.95	99	176.90	3490
116.85	359	140.85	542	153.70	18	177.85	77

BFB

Data File : C:\msdchem\1\data\8w\8w06379.D Vial: 1
Acq On : 22 Jul 2024 10:21 pm Operator: thomash
Sample : bfb Inst : GCMS
Misc : MS83034,v8w0244,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M8wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 2301, 2302, 2303; Background Corrected with Scan 2284

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.0	36384	PASS
75	95	30	66	57.0	94352	PASS
95	95	100	100	100.0	165440	PASS
96	95	5	9	6.6	10872	PASS
173	174	0.00	2	1.0	1310	PASS
174	95	50	120	76.7	126965	PASS
175	174	4	9	7.3	9320	PASS
176	174	93	101	97.0	123125	PASS
177	176	5	9	6.6	8080	PASS

8w06379.D M8wbfb.M Tue Jul 23 09:16:25 2024

Average of 14.116 to 14.128 min.: 8w06379.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1369	50.00	36384	64.05	652	76.90	305
37.05	7516	51.00	11288	65.00	93	77.05	474
38.10	7048	52.00	452	67.10	500	77.95	524
39.05	2660	54.95	487	68.00	18971	78.90	5907
39.95	74	56.00	2899	69.00	18624	79.95	1509
44.00	1060	57.00	5264	70.00	1352	80.90	6083
45.00	1572	57.95	173	72.00	1037	81.90	1260
46.00	93	60.00	1808	73.00	8179	83.05	144
47.00	1816	61.00	9080	74.00	31928	85.70	23
48.00	1227	62.00	9042	75.00	94352	85.95	78
49.00	7251	63.00	6909	76.05	7894	87.00	4672

Average of 14.116 to 14.128 min.: 8w06379.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	4427	104.95	313	117.90	733	129.90	725
88.70	49	105.90	948	118.95	1104	130.90	278
90.90	713	106.80	77	121.85	47	134.90	334
92.00	5796	106.95	131	123.00	53	135.95	80
93.00	7898	109.90	158	123.70	20	136.90	344
94.00	22024	110.90	174	123.90	86	139.00	58
95.00	165440	111.90	121	125.00	27	139.80	115
96.00	10872	112.85	197	126.00	83	140.00	51
97.05	316	114.85	183	126.95	49	140.90	2549
102.95	117	115.95	722	127.95	623	141.80	87
103.90	802	116.90	1323	128.90	373	142.00	180

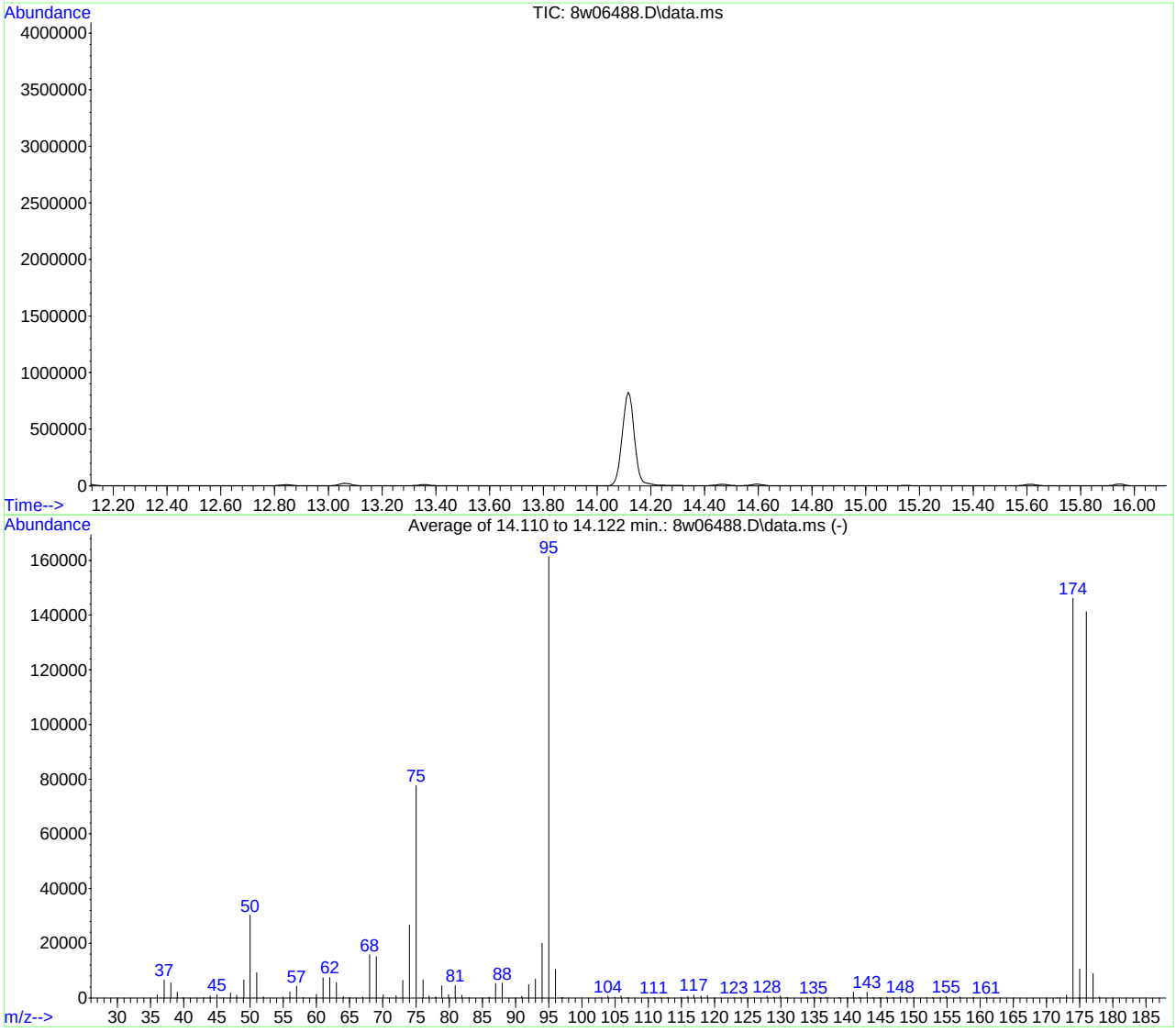
Average of 14.116 to 14.128 min.: 8w06379.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.90	2565	152.90	105	174.00	126965		
143.85	139	153.95	110	175.00	9320		
144.60	32	154.95	420	176.00	123125		
144.95	173	155.80	37	177.00	8080		
145.95	308	156.95	369	177.90	208		
146.95	101	158.95	272				
147.95	459	160.95	284				
148.75	55	170.10	48				
149.00	50	171.00	18				
149.80	196	172.00	70				
151.95	125	173.05	1310				

BFB

Data File : C:\msdchem\1\data\8w\8w06488.D Vial: 2
Acq On : 30 Jul 2024 02:35 am Operator: benk
Sample : bfb Inst : GCMS
Misc : MS82971,v8w0249,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M8wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 2300, 2301, 2302; Background Corrected with Scan 2282

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.7	30213	PASS
75	95	30	66	48.1	77571	PASS
95	95	100	100	100.0	161344	PASS
96	95	5	9	6.5	10488	PASS
173	174	0.00	2	0.7	1068	PASS
174	95	50	120	90.6	146133	PASS
175	174	4	9	7.2	10583	PASS
176	174	93	101	96.7	141269	PASS
177	176	5	9	6.3	8863	PASS

8w06488.D M8wbfb.M Tue Jul 30 16:30:12 2024

Average of 14.110 to 14.122 min.: 8w06488.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1079	49.05	6551	63.00	5554	76.05	6661
37.05	6530	50.00	30213	64.05	496	76.95	751
38.05	5503	51.00	9256	64.90	57	77.95	430
39.05	2148	52.00	428	66.95	366	78.90	4486
39.90	95	54.95	289	68.00	15729	79.90	1209
43.05	71	56.00	2200	69.00	15104	80.90	4524
44.00	749	57.00	4311	70.05	1139	81.90	963
45.00	1187	58.00	188	72.00	777	83.05	137
46.00	83	60.00	1282	73.00	6480	86.00	200
47.05	1823	61.00	7418	74.00	26691	87.00	5315
48.00	986	62.00	7466	75.00	77571	88.00	5451

Average of 14.110 to 14.122 min.: 8w06488.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.95	591	105.90	724	122.90	29	135.80	25
92.00	4888	106.90	170	123.90	152	136.05	52
93.00	6952	109.85	67	124.70	18	136.80	235
94.00	19957	110.85	164	125.90	44	137.00	133
95.00	161344	111.85	116	127.90	725	138.70	22
96.00	10488	112.95	173	128.95	381	138.85	44
96.90	84	114.90	202	129.90	669	139.95	152
97.05	183	115.95	626	130.70	54	140.90	2129
102.85	66	116.85	1044	130.95	250	141.85	271
103.90	757	117.95	753	133.90	42	142.95	2143
104.95	254	118.90	900	134.90	343	143.85	137

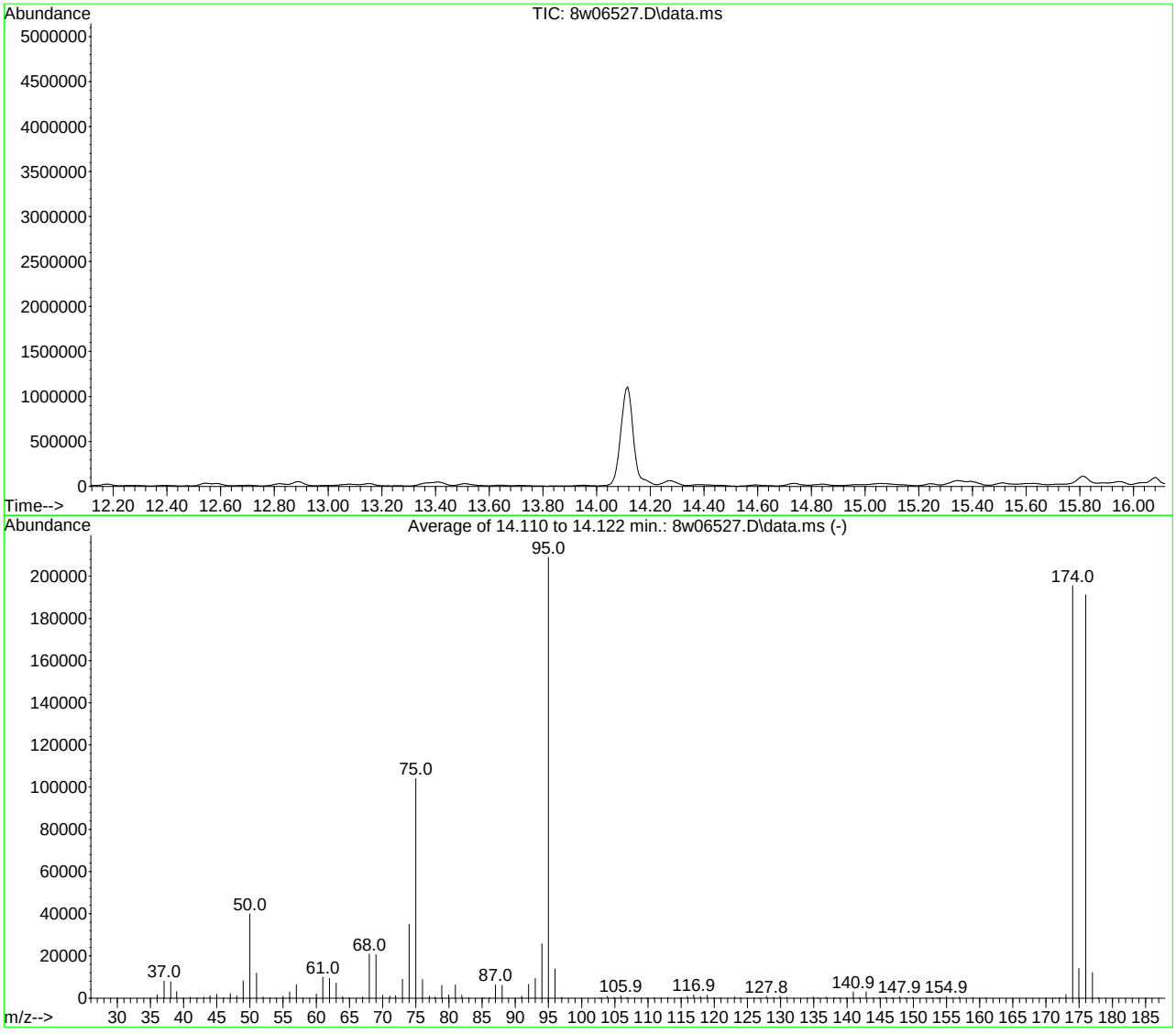
Average of 14.110 to 14.122 min.: 8w06488.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
144.85	183	158.95	206				
145.95	304	160.95	224				
146.85	121	171.60	31				
147.95	456	172.00	73				
148.85	160	173.00	1068				
149.95	205	174.00	146133				
151.90	89	175.00	10583				
152.85	135	176.00	141269				
154.00	109	177.00	8863				
154.90	484	177.95	295				
156.95	306						

BFB

Data File : X:\Dayton VOA GCMS\k...0124\v8w250\8w06527.D Vial: 2
Acq On : 31 Jul 2024 11:54 am Operator: thomash
Sample : bfb Inst : GCMS
Misc : MS82887,v8w0250,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M8wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 2300, 2301, 2302; Background Corrected with Scan 2282

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.1	39867	PASS
75	95	30	66	49.8	104085	PASS
95	95	100	100	100.0	209012	PASS
96	95	5	9	6.6	13884	PASS
173	174	0.00	2	0.9	1672	PASS
174	95	50	120	93.6	195584	PASS
175	174	4	9	7.2	14068	PASS
176	174	93	101	97.8	191189	PASS
177	176	5	9	6.4	12157	PASS

8w06527.D M8wbfb.M Thu Aug 01 06:15:13 2024

Average of 14.110 to 14.122 min.: 8w06527.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1512	47.05	2156	58.00	213	71.10	911
37.05	8115	48.00	1140	60.00	1910	71.95	1116
38.05	7711	49.00	8252	61.00	9983	73.00	8960
38.95	3099	50.00	39867	62.00	9379	74.00	35005
39.95	122	51.00	11938	63.00	7081	75.00	104085
41.00	415	51.95	561	63.95	708	76.00	8815
42.05	99	53.05	72	64.90	50	77.05	964
43.05	479	53.90	25	67.00	586	77.90	568
44.00	1006	55.00	739	68.00	20848	78.90	6052
45.00	1772	56.00	3040	69.00	20619	79.95	1571
46.05	132	57.00	6357	70.00	1379	80.95	6266

Average of 14.110 to 14.122 min.: 8w06527.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.95	1358	95.00	209012	109.00	62	120.90	46
83.00	174	96.00	13884	109.85	149	123.10	612
85.00	36	97.00	483	110.90	270	123.95	164
85.30	45	102.70	37	112.00	184	124.95	67
86.10	167	102.95	48	113.00	341	126.00	159
87.00	6272	103.90	969	114.95	273	126.80	47
88.00	6067	104.90	397	115.95	881	127.85	960
90.95	888	105.90	992	116.90	1538	128.95	440
92.00	6583	106.80	104	117.90	843	129.90	938
93.00	9362	106.95	144	118.90	1358	130.90	402
94.00	25768	108.00	18	119.90	30	134.00	18

Average of 14.110 to 14.122 min.: 8w06527.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
134.90	499	145.85	394	154.95	704	176.00	191189
135.70	20	146.85	192	155.85	65	177.00	12157
136.85	527	147.90	625	156.95	482	177.90	326
138.15	199	148.80	59	158.95	364		
138.85	70	148.95	120	160.90	329		
139.90	230	149.90	314	171.40	20		
140.95	3030	151.85	115	171.95	118		
141.85	331	152.85	159	172.20	76		
142.90	2960	153.60	39	173.00	1672		
143.95	180	153.90	119	174.00	195584		
144.85	239	154.10	18	174.95	14068		

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 03/06/24 12:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05123.D
Acq On : 3 Mar 2024 2:06 am
Operator : williamc
Sample : ic0201-0.04
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 14:09:01 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.280	128	67227	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	349915	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.135	117	315979	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.280	128	67227	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.492	95	232500	9.81	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.705	85	836	0.04	PPBV	# 48
8) 1-CHLORO-1,1-DIFLUOROE...	1.743	65	667	0.04	PPBV	# 55
9) FREON 114	1.779	85	826	0.04	PPBV	# 25
13) N-BUTANE	1.862	43	927	0.06	PPBV	# 69
16) DICHLOROFLUOROMETHANE	1.997	67	699	0.04	PPBV	# 50
17) ACETONITRILE	2.071	41	557	0.06	PPBV	# 35
19) FREON 123	2.119	83	771	0.04	PPBV	# 84
21) TRICHLOROFLUOROMETHANE	2.203	101	825	0.04	PPBV	# 92
24) PENTANE	2.316	42	571	0.05	PPBV	# 17
25) IODOMETHANE	2.380	142	723	0.04	PPBV	# 35
27) CARBON DISULFIDE	2.537	76	805	0.04	PPBV	# 1
35) TERTIARY BUTYL ALCOHOL	2.463	59	836	0.04	PPBV	# 1
36) METHYL TERTIARY BUTYL ...	2.891	73	1030	0.04	PPBV	# 81
38) HEXANE	3.332	57	742	0.04	PPBV	# 62
40) 1,1-DICHLOROETHANE	2.836	63	695	0.04	PPBV	# 51
45) METHYL ACRYLATE	3.341	55	885	0.04	PPBV	# 66
46) CHLOROFORM	3.354	83	728	0.04	PPBV	# 81
47) 2,4-DIMETHYLPENTANE	3.846	57	876	0.04	PPBV	# 32
48) 1,1,1-TRICHLOROETHANE	3.926	97	589	0.03	PPBV	# 21
50) 1,2-DICHLOROETHANE	3.762	62	558	0.04	PPBV	# 50
51) BENZENE	4.232	78	1276	0.04	PPBV	# 55
55) TRICHLOROETHENE	5.142	95	471m	0.04	PPBV	
57) DIBROMOMETHANE	4.868	174	532	0.05	PPBV	# 50
58) ETHYL ACRYLATE	5.042	55	1100	0.04	PPBV	# 73
59) BROMODICHLOROMETHANE	5.084	83	555	0.03	PPBV	# 18
60) 2,2,4-TRIMETHYLPENTANE	5.232	57	2319	0.04	PPBV	# 98
62) HEPTANE	5.544	43	828	0.04	PPBV	# 61
65) CIS-1,3-DICHLOROPROPENE	6.074	75	568	0.04	PPBV	# 29
66) TOLUENE	7.280	91	1425	0.04	PPBV	99
67) 1,3-DICHLOROPROPANE	7.335	76	681	0.04	PPBV	# 50
70) 2-HEXANONE	7.913	58	961	0.05	PPBV	# 86
71) ETHYL METHACRYLATE	8.010	69	658	0.03	PPBV	# 83
72) TETRACHLOROETHENE	9.003	164	514	0.04	PPBV	# 41
74) 1,2-DIBROMOETHANE	8.161	107	584	0.03	PPBV	# 95
75) OCTANE	9.151	43	1213	0.04	PPBV	# 34
78) CHLOROBENZENE	10.216	112	1101	0.04	PPBV	# 72
79) ETHYLBENZENE	11.103	91	1846	0.04	PPBV	# 43
80) M,P-XYLENE	11.482	91	2819m	0.08	PPBV	
81) O-XYLENE	12.453	91	1356	0.04	PPBV	89
82) STYRENE	12.244	104	910	0.03	PPBV	# 31
83) NONANE	13.569	43	1192	0.04	PPBV	# 82
85) 1,1,2,2-TETRACHLOROETHANE	12.460	83	996	0.04	PPBV	# 94
86) 1,2,3-TRICHLOROPROPANE	12.740	75	816	0.04	PPBV	# 99
89) BROMOBENZENE	13.839	77	1009	0.04	PPBV	94
92) 4-ETHYLTOLUENE	15.746	105	1860	0.03	PPBV	# 99
93) 1,3,5-TRIMETHYLBENZENE	16.019	105	1512	0.03	PPBV	# 94
94) ALPHA-METHYLSTYRENE	16.280	118	659	0.03	PPBV	# 65
96) 1,2,4-TRIMETHYLBENZENE	16.582	105	1489	0.03	PPBV	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05123.D
Acq On : 3 Mar 2024 2:06 am
Operator : williamc
Sample : ic0201-0.04
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 14:09:01 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

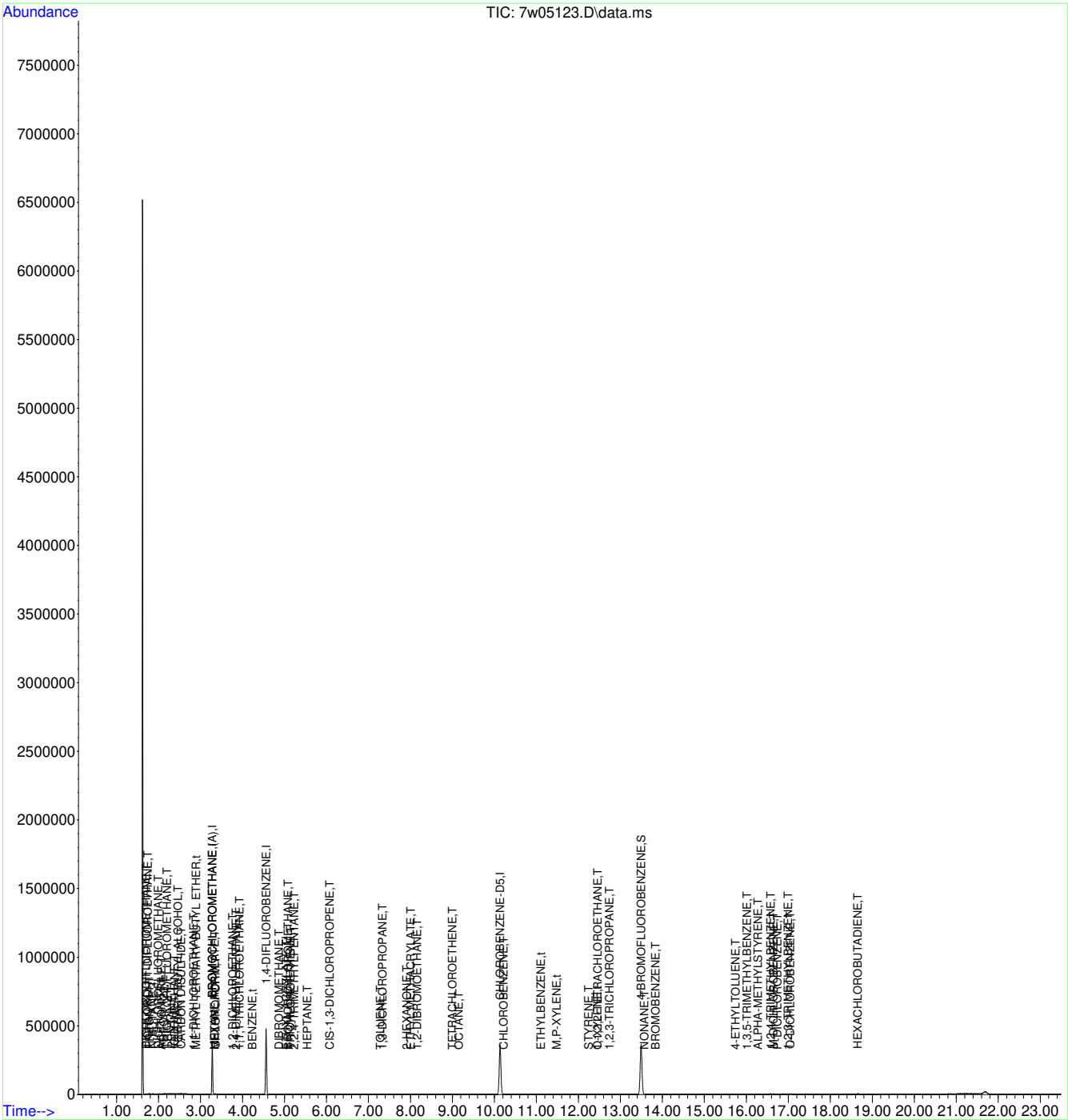
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	M-DICHLOROBENZENE	16.646	146	1088	0.04	PPBV #	73
99)	P-DICHLOROBENZENE	16.736	146	1096	0.04	PPBV #	68
100)	O-DICHLOROBENZENE	17.048	146	1085	0.04	PPBV #	69
102)	1,2,3-TRIMETHYLBENZENE	16.997	105	1488	0.03	PPBV #	95
106)	HEXACHLOROBUTADIENE	18.649	225	669	0.03	PPBV #	19

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05123.D
Acq On : 3 Mar 2024 2:06 am
Operator : williamc
Sample : ic0201-0.04
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 14:09:01 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



Manual Integration Approval Summary

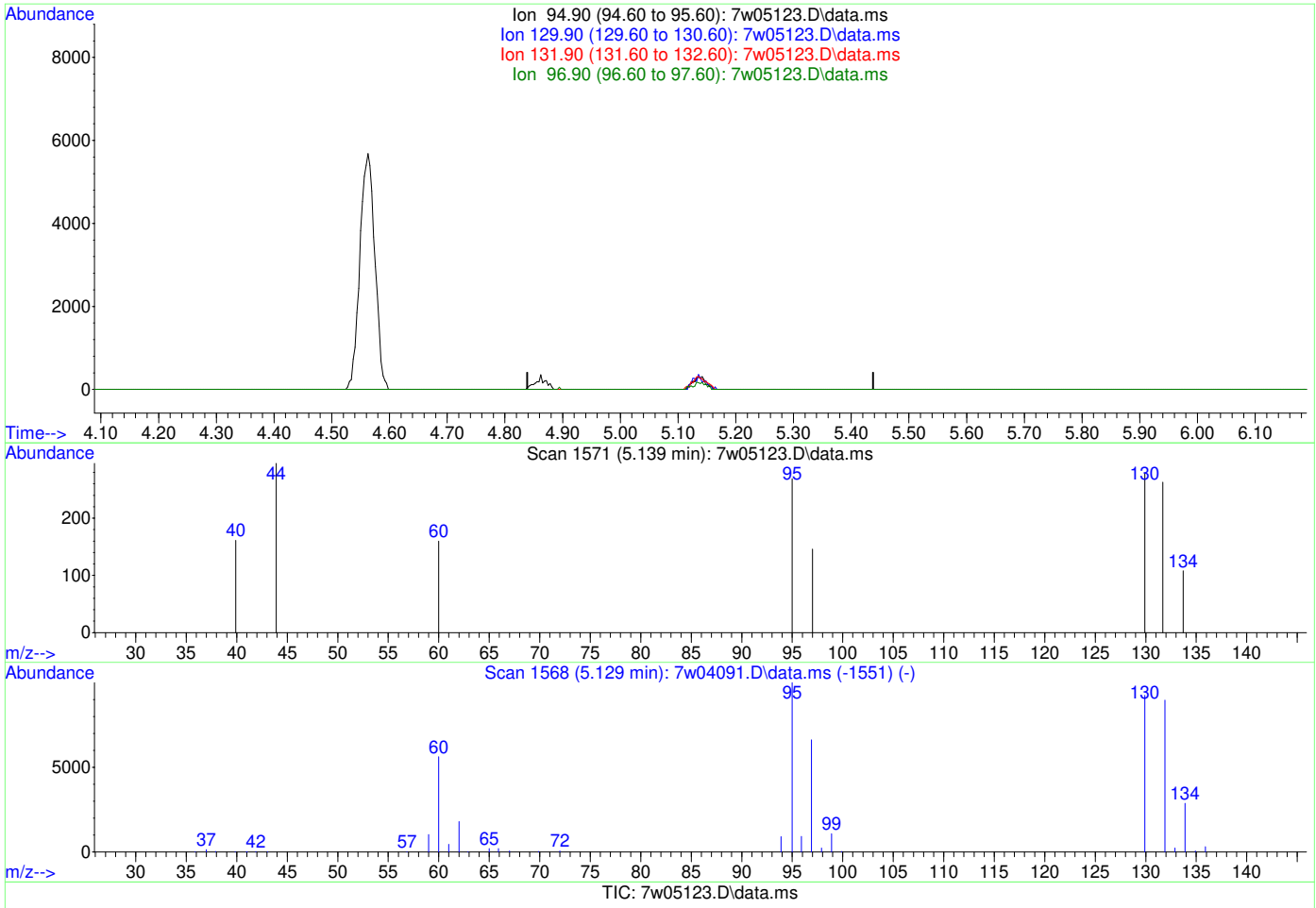
Sample Number:	V7W201-IC0201	**Method:**	TO-15
Lab FileID:	7W05123.D	**Analyst approved:**	03/05/24 14:13 Taylor Sauter
Injection Time:	03/03/24 02:06	**Supervisor approved:**	03/06/24 12:35 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichloroethylene	79-01-6		5.14	Missed peak
m,p-Xylene			11.48	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05123.D
Acq On : 3 Mar 2024 2:06 am
Operator : williamc
Sample : ic0201-0.04
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 11:10:45 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05123.D\data.ms

(55) TRICHLOROETHENE (T)

5.139min (-5.139) 0.00PPBV

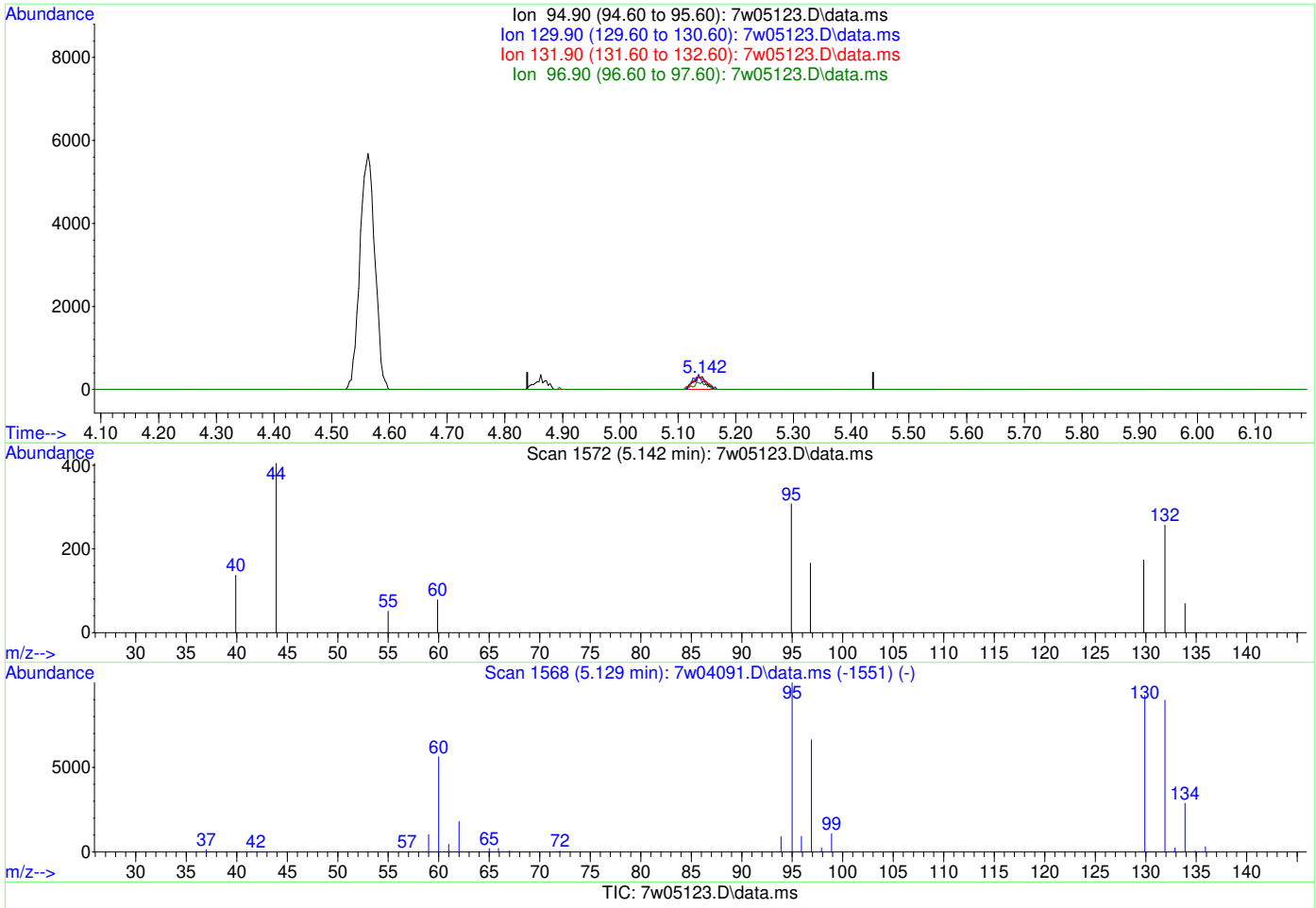
response 0

Ion	Exp%	Act%
94.90	100	0.00
129.90	101.60	0.00#
131.90	100.40	0.00#
96.90	64.20	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05123.D
Acq On : 3 Mar 2024 2:06 am
Operator : williamc
Sample : ic0201-0.04
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 11:10:45 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05123.D\data.ms

(55) TRICHLOROETHENE (T)

5.142min (+0.003) 0.04PPBV m

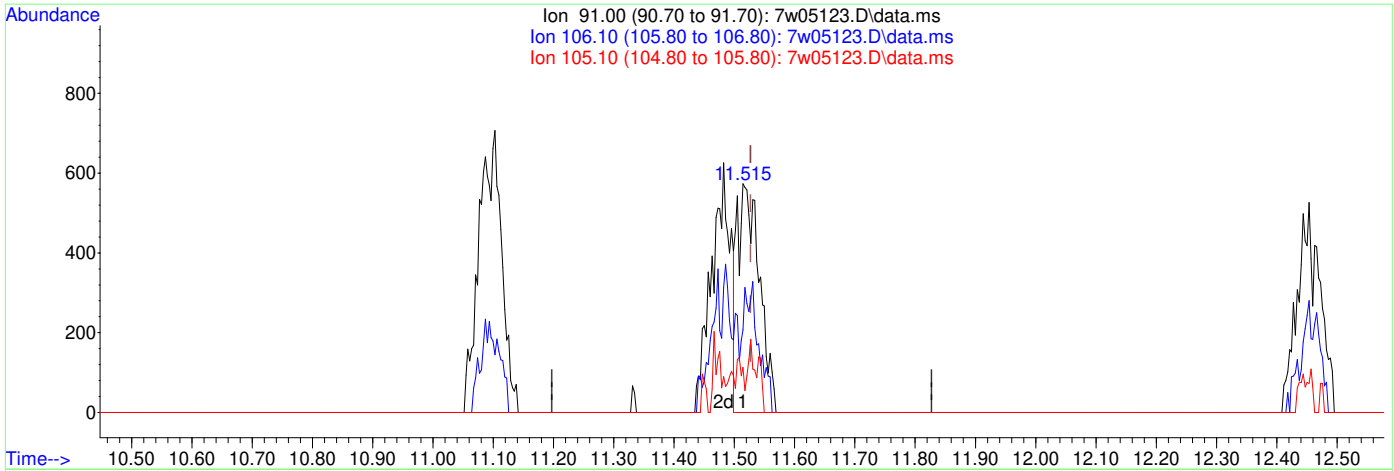
response 471

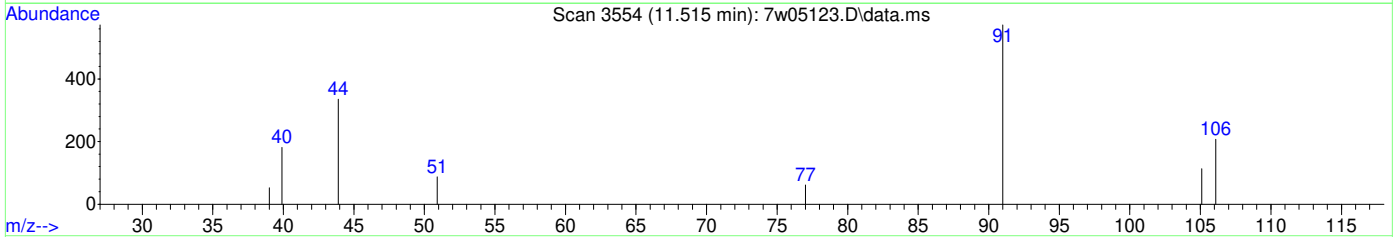
Ion	Exp%	Act%
94.90	100	100
129.90	101.60	0.00#
131.90	100.40	0.00#
96.90	64.20	0.00#

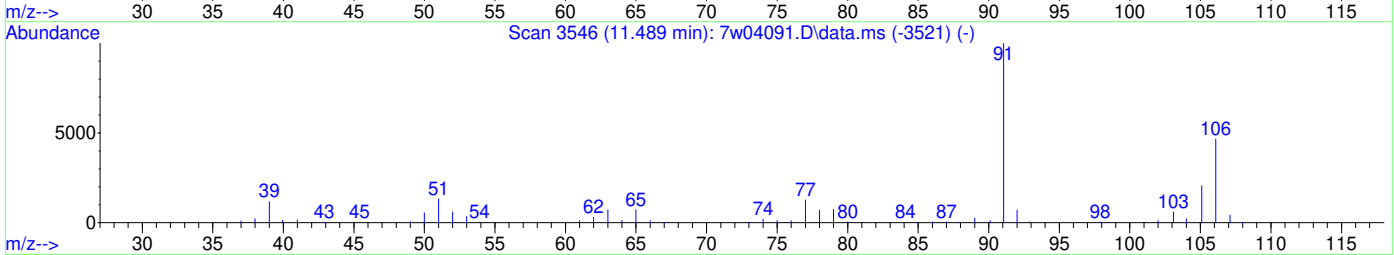
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05123.D
Acq On : 3 Mar 2024 2:06 am
Operator : williamc
Sample : ic0201-0.04
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 11:10:45 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration







TIC: 7w05123.D\data.ms

(80) M,P-XYLENE (t)

11.515min (-0.013) 0.04PPBV

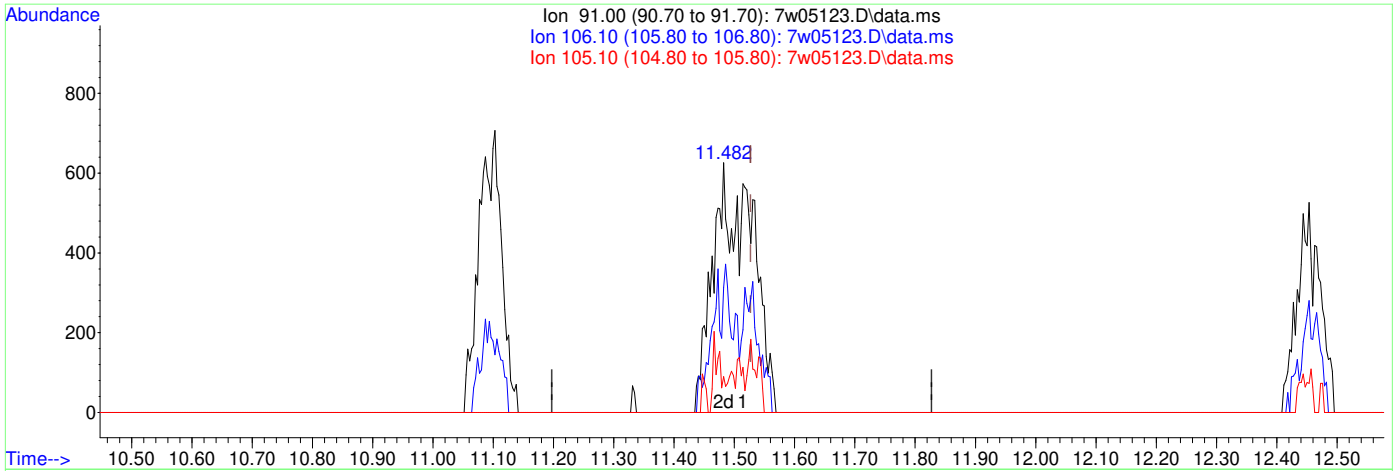
response 1471

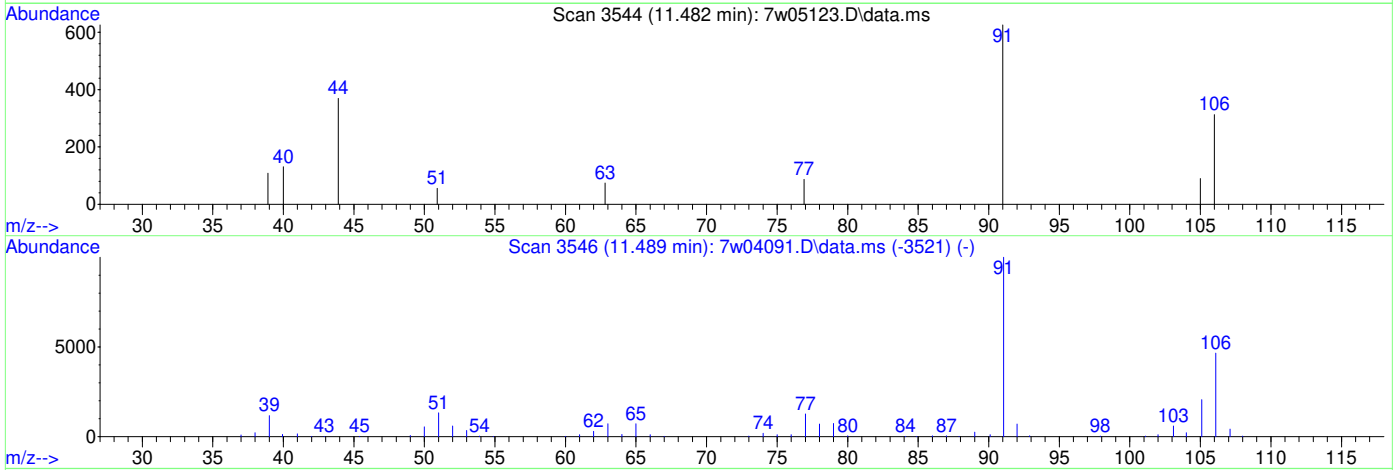
Ion	Exp%	Act%
91.00	100	100
106.10	23.90	47.93
105.10	11.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05123.D
Acq On : 3 Mar 2024 2:06 am
Operator : williamc
Sample : ic0201-0.04
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 11:10:45 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration





TIC: 7w05123.D\data.ms

(80) M,P-XYLENE (t)

11.482min (-0.045) 0.08PPBV m

response 2819

Ion	Exp%	Act%
91.00	100	100
106.10	23.90	25.01
105.10	11.10	0.00
0.00	0.00	0.00

7W05123.D edits: M,P-XYLENE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 03/06/24 12:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 14:09:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.280	128	69144	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	357790	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.132	117	323640	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.280	128	69144	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.492	95	239774	9.88	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.666	65	559	0.10	PPBV	#	100
4) CHLORODIFLUOROMETHANE	1.676	67	266m	0.11	PPBV		
5) CHLOROTRIFLUOROETHENE	1.688	116	1235	0.11	PPBV	#	90
6) DICHLORODIFLUOROMETHANE	1.705	85	2511	0.10	PPBV		97
7) PROPYLENE	1.688	41	1207	0.15	PPBV		87
8) 1-CHLORO-1,1-DIFLUOROE...	1.743	65	1746	0.10	PPBV	#	79
9) FREON 114	1.775	85	2114	0.10	PPBV		99
10) CHLOROMETHANE	1.746	52	334m	0.11	PPBV		
11) VINYL CHLORIDE	1.807	62	1013	0.10	PPBV	#	51
12) 1,3-BUTADIENE	1.849	54	955	0.12	PPBV		93
13) N-BUTANE	1.865	43	1725	0.11	PPBV	#	69
14) BROMOMETHANE	1.923	94	794	0.10	PPBV	#	90
15) CHLOROETHANE	1.971	64	576	0.11	PPBV	#	41
16) DICHLOROFLUOROMETHANE	1.997	67	1954	0.10	PPBV	#	89
17) ACETONITRILE	2.074	41	1277	0.14	PPBV	#	63
18) ACROLEIN	2.110	56	710	0.14	PPBV		78
19) FREON 123	2.123	83	2068	0.11	PPBV	#	91
20) FREON 123A	2.135	117	1109	0.10	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.203	101	2066	0.10	PPBV	#	95
22) ISOPROPYL ALCOHOL	2.245	45	3272	0.16	PPBV	#	96
24) PENTANE	2.315	42	1306	0.12	PPBV	#	86
25) IODOMETHANE	2.377	142	2098	0.10	PPBV		88
26) 1,1-DICHLOROETHYLENE	2.402	96	905	0.11	PPBV		90
27) CARBON DISULFIDE	2.537	76	2145	0.10	PPBV	#	67
29) BROMOETHENE	2.074	106	758	0.10	PPBV	#	92
30) ACRYLONITRILE	2.293	52	825	0.10	PPBV	#	78
31) METHYLENE CHLORIDE	2.441	84	878	0.12	PPBV		99
32) 3-CHLOROPROPENE	2.483	76	427m	0.11	PPBV		
33) FREON 113	2.534	151	1323	0.10	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.766	96	999	0.11	PPBV		86
35) TERTIARY BUTYL ALCOHOL	2.463	59	2510	0.11	PPBV	#	1
36) METHYL TERTIARY BUTYL ...	2.891	73	2763	0.10	PPBV	#	81
37) TETRAHYDROFURAN	3.602	72	468m	0.10	PPBV		
38) HEXANE	3.328	57	1878	0.10	PPBV		83
40) 1,1-DICHLOROETHANE	2.843	63	1846	0.09	PPBV	#	90
41) METHYL ETHYL KETONE	3.029	72	535	0.10	PPBV	#	77
42) CIS-1,2-DICHLOROETHENE	3.206	96	1002	0.10	PPBV		94
43) DIISOPROPYL ETHER	3.354	59	654	0.11	PPBV		79
44) ETHYL ACETATE	3.364	61	299m	0.08	PPBV		
45) METHYL ACRYLATE	3.338	55	2325	0.10	PPBV	#	66
46) CHLOROFORM	3.351	83	1897	0.10	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.849	57	2301	0.10	PPBV	#	84
48) 1,1,1-TRICHLOROETHANE	3.923	97	1787	0.10	PPBV		96
49) CARBON TETRACHLORIDE	4.344	117	1345	0.08	PPBV	#	86
50) 1,2-DICHLOROETHANE	3.762	62	1519	0.10	PPBV	#	50
51) BENZENE	4.238	78	3221	0.11	PPBV		97
53) CYCLOHEXANE	4.450	84	1337	0.10	PPBV		88
54) 2,3-DIMETHYLPENTANE	4.701	71	706	0.10	PPBV	#	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 14:09:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

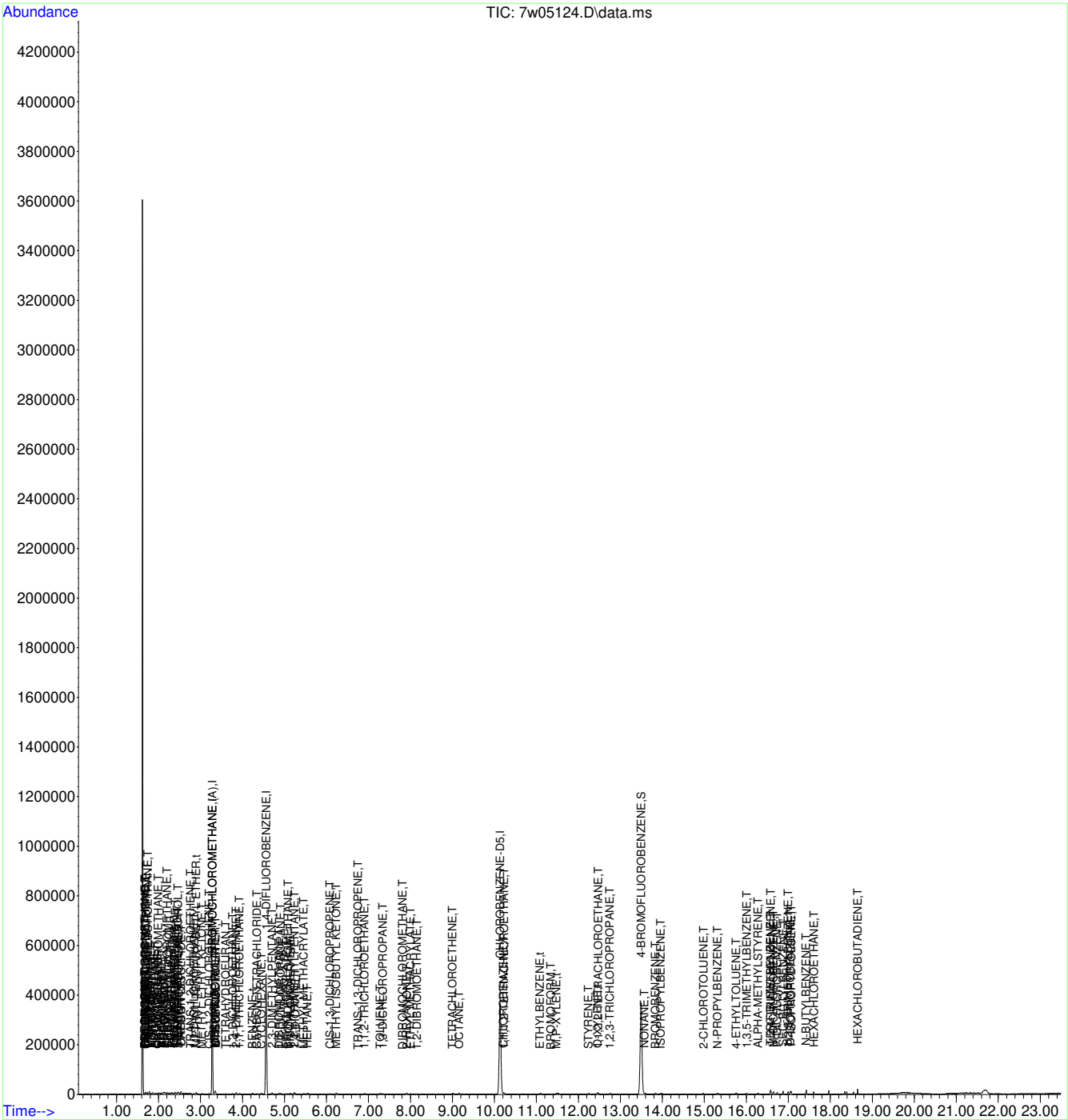
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) TRICHLOROETHENE	5.132	95	1378	0.10	PPBV		96
56) 1,2-DICHLOROPROPANE	4.904	63	1214	0.09	PPBV	#	41
57) DIBROMOMETHANE	4.865	174	1273	0.11	PPBV		97
58) ETHYL ACRYLATE	5.042	55	2690	0.09	PPBV	#	73
59) BROMODICHLOROMETHANE	5.084	83	1649	0.08	PPBV		93
60) 2,2,4-TRIMETHYLPENTANE	5.238	57	6401	0.10	PPBV	#	96
61) 1,4-DIOXANE	5.257	88	743	0.10	PPBV	#	65
62) HEPTANE	5.547	43	2290	0.10	PPBV		99
63) METHYL METHACRYLATE	5.457	69	1234	0.10	PPBV	#	81
64) METHYL ISOBUTYL KETONE	6.228	58	1394	0.10	PPBV	#	78
65) CIS-1,3-DICHLOROPROPENE	6.077	75	1346	0.08	PPBV	#	72
66) TOLUENE	7.277	91	3810	0.10	PPBV		98
67) 1,3-DICHLOROPROPANE	7.338	76	1875	0.10	PPBV	#	90
68) TRANS-1,3-DICHLOROPROPENE	6.746	75	1138	0.08	PPBV	#	71
69) 1,1,2-TRICHLOROETHANE	6.900	83	996	0.09	PPBV		94
70) 2-HEXANONE	7.910	58	2660	0.13	PPBV	#	94
71) ETHYL METHACRYLATE	8.000	69	1743	0.09	PPBV	#	84
72) TETRACHLOROETHENE	9.003	164	1459	0.10	PPBV		96
73) DIBROMOCHLOROMETHANE	7.807	129	1400	0.08	PPBV	#	85
74) 1,2-DIBROMOETHANE	8.151	107	1641	0.08	PPBV	#	98
75) OCTANE	9.154	43	3003	0.09	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	10.228	131	1005	0.08	PPBV	#	37
78) CHLOROBENZENE	10.212	112	2981	0.10	PPBV		97
79) ETHYLBENZENE	11.084	91	4698	0.10	PPBV		97
80) M,P-XYLENE	11.476	91	7269m	0.19	PPBV		
81) O-XYLENE	12.453	91	3808	0.10	PPBV		95
82) STYRENE	12.235	104	2539	0.08	PPBV	#	87
83) NONANE	13.572	43	3139	0.10	PPBV		92
84) BROMOFORM	11.341	173	1069	0.08	PPBV	#	36
85) 1,1,2,2-TETRACHLOROETHANE	12.469	83	2710	0.10	PPBV	#	94
86) 1,2,3-TRICHLOROPROPANE	12.743	75	2085	0.09	PPBV	#	99
88) ISOPROPYLBENZENE	13.965	120	1360	0.09	PPBV		100
89) BROMOBENZENE	13.833	77	2608	0.09	PPBV		99
90) 2-CHLOROTOLUENE	14.981	126	1328m	0.10	PPBV		
91) N-PROPYLBENZENE	15.315	120	1370	0.09	PPBV	#	61
92) 4-ETHYLTOLUENE	15.755	105	4964	0.09	PPBV	#	95
93) 1,3,5-TRIMETHYLBENZENE	16.006	105	4197	0.09	PPBV	#	94
94) ALPHA-METHYLSTYRENE	16.276	118	1661	0.08	PPBV		94
95) TERT-BUTYLBENZENE	16.572	134	1053	0.09	PPBV		97
96) 1,2,4-TRIMETHYLBENZENE	16.582	105	4243	0.09	PPBV		96
98) M-DICHLOROBENZENE	16.646	146	2939	0.09	PPBV		98
99) P-DICHLOROBENZENE	16.733	146	2932	0.09	PPBV		99
100) O-DICHLOROBENZENE	17.048	146	2792	0.09	PPBV		96
101) SEC-BUTYLBENZENE	16.874	134	1282	0.09	PPBV		98
102) 1,2,3-TRIMETHYLBENZENE	16.997	105	4535	0.09	PPBV	#	95
103) P-ISOPROPYLTOLUENE	17.067	134	1335	0.09	PPBV		98
104) N-BUTYLBENZENE	17.424	134	1254	0.09	PPBV		99
105) HEXACHLOROETHANE	17.607	117	640	0.05	PPBV	#	61
106) HEXACHLOROBUTADIENE	18.649	225	1749	0.09	PPBV		96
110) TVHC as equiv Pentane	2.319	TIC	6387m	0.13	PPBV		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 14:09:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



Manual Integration Approval Summary

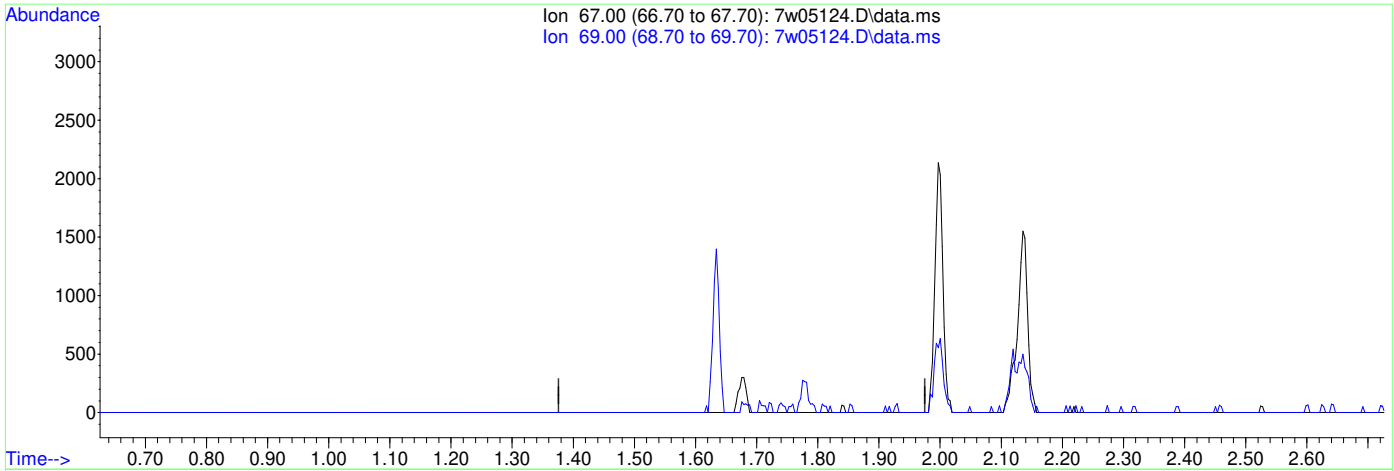
Sample Number: V7W201-IC0201 **Method:** TO-15
Lab FileID: 7W05124.D **Analyst approved:** 03/05/24 14:13 Taylor Sauter
Injection Time: 03/03/24 02:40 **Supervisor approved:** 03/06/24 12:35 Kanya Veerawat

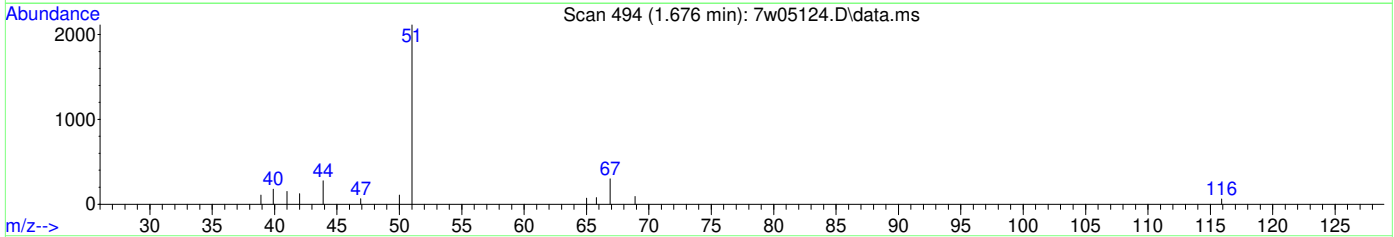
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chlorodifluoromethane	75-45-6		1.68	Missed peak
Chloromethane	74-87-3		1.75	Missed peak
TVHC As Equiv Pentane			2.32	Overlapping peak
3-Chloropropene	107-05-1		2.48	Missed peak
Ethyl Acetate	141-78-6		3.36	Missed peak
Tetrahydrofuran	109-99-9		3.60	Missed peak
m,p-Xylene			11.48	Split peak
2-Chlorotoluene	95-49-8		14.98	Split peak

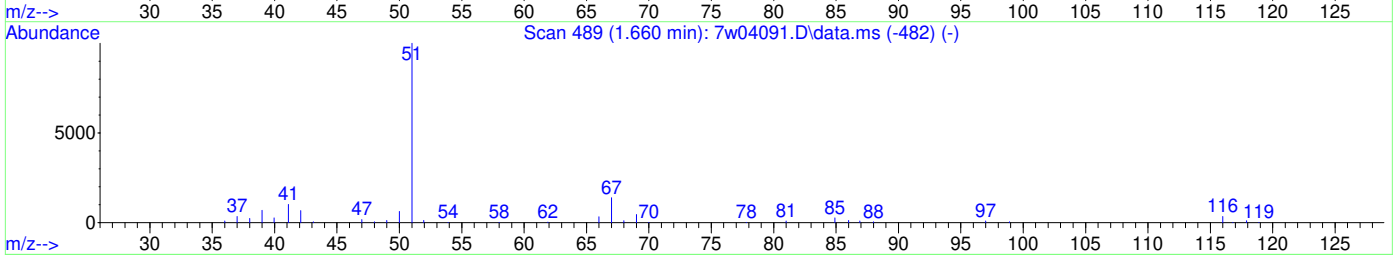
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:13:11 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration







TIC: 7w05124.D\data.ms

(4) CHLORODIFLUOROMETHANE (T)

1.676min (-1.676) 0.00PPBV

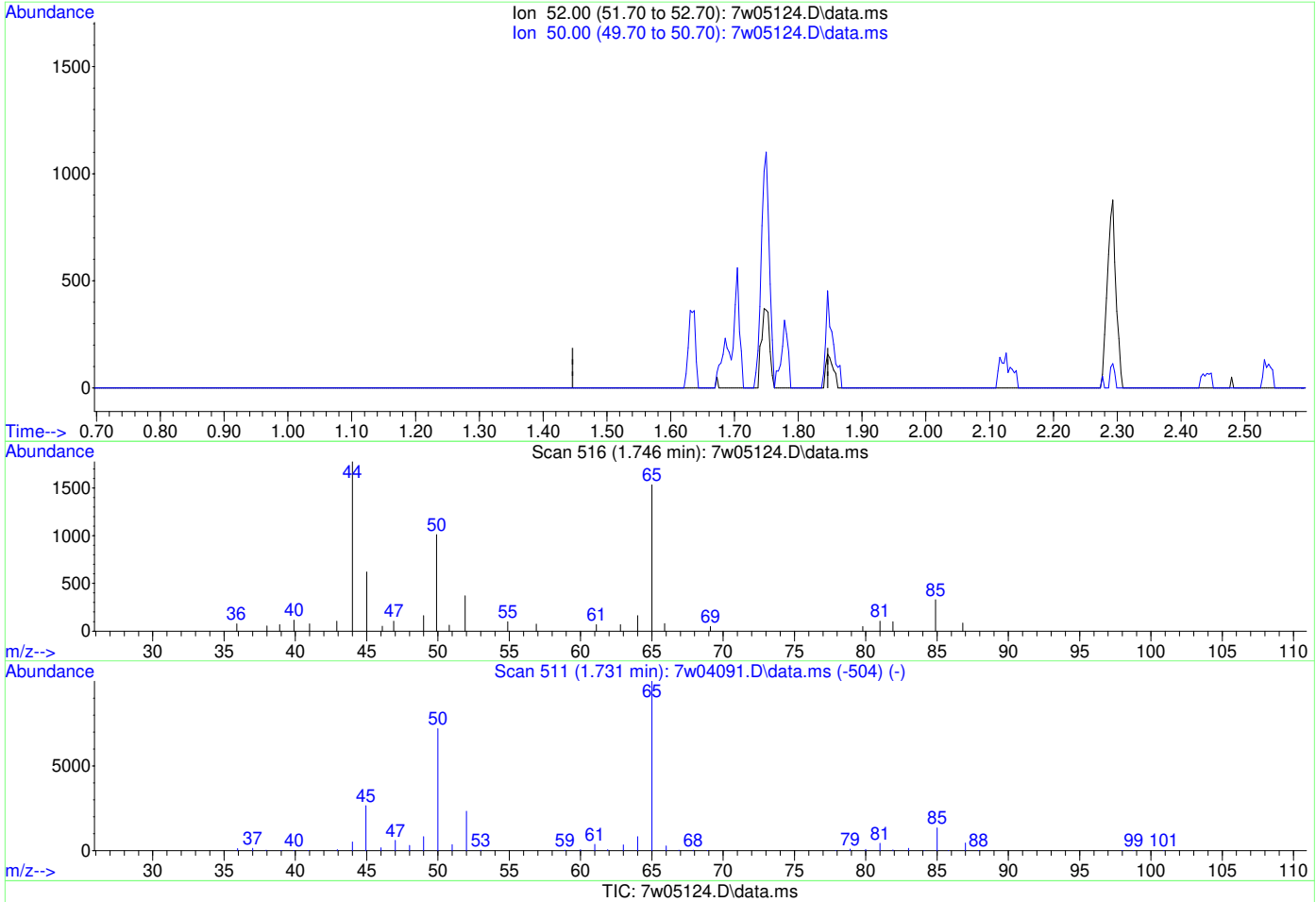
response 0

Ion	Exp%	Act%
67.00	100	0.00
69.00	34.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:13:11 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05124.D\data.ms

(10) CHLOROMETHANE (T)

1.746min (-1.746) 0.00PPBV

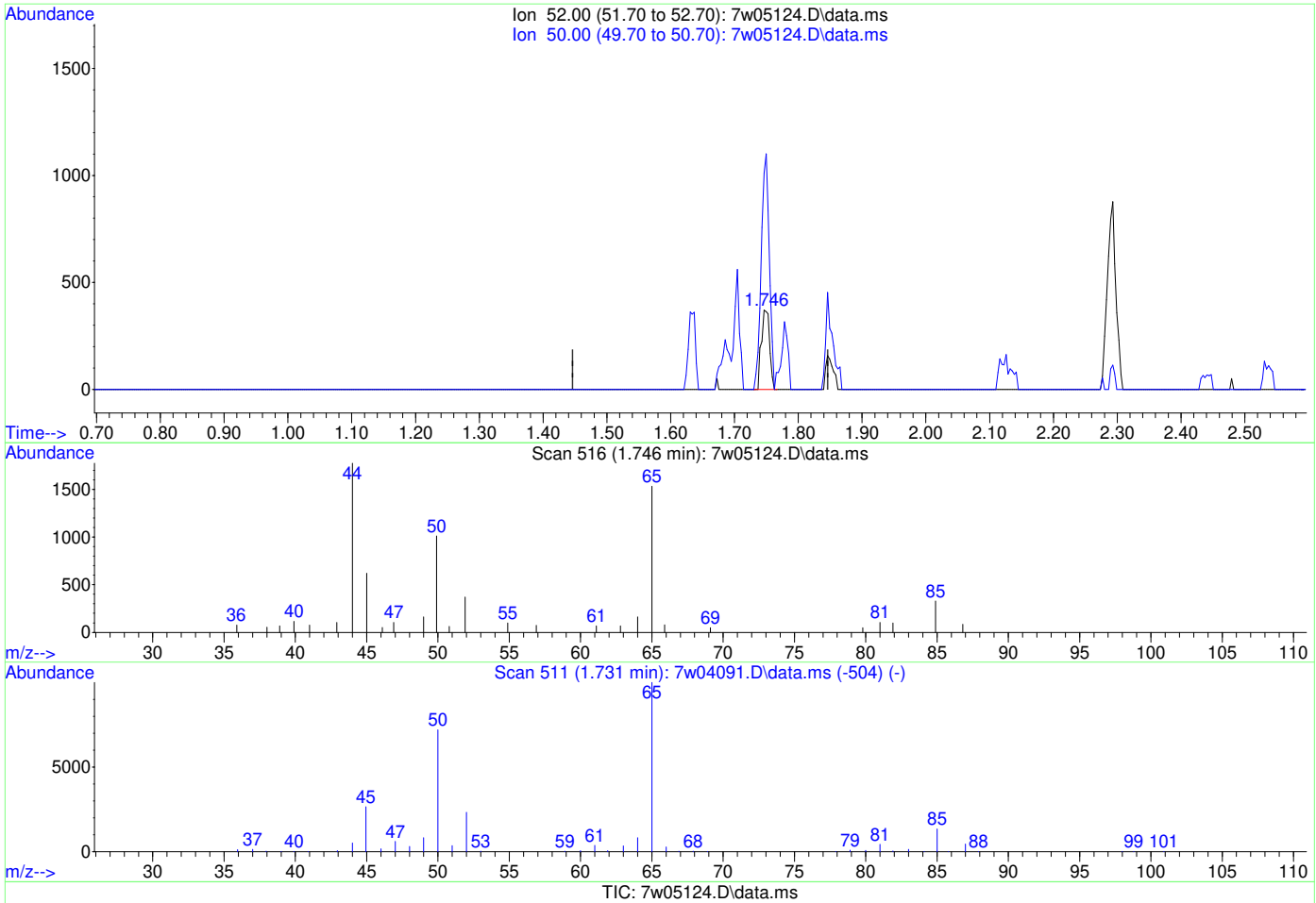
response 0

Ion	Exp%	Act%
52.00	100	0.00
50.00	319.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:13:11 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05124.D\data.ms

(10) CHLOROMETHANE (T)

1.746min (-0.000) 0.11PPBV m

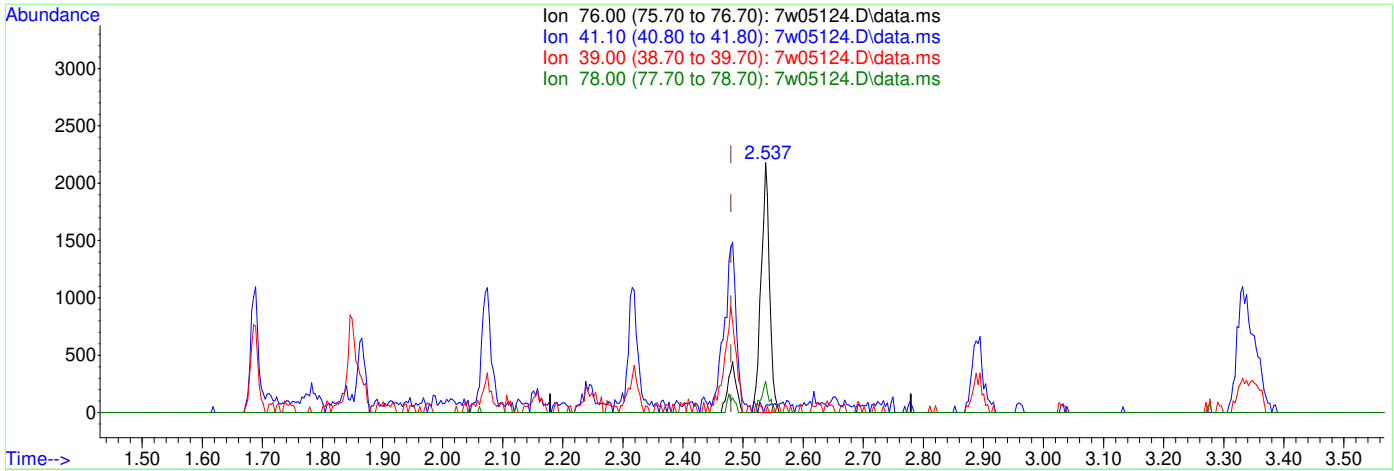
response 334

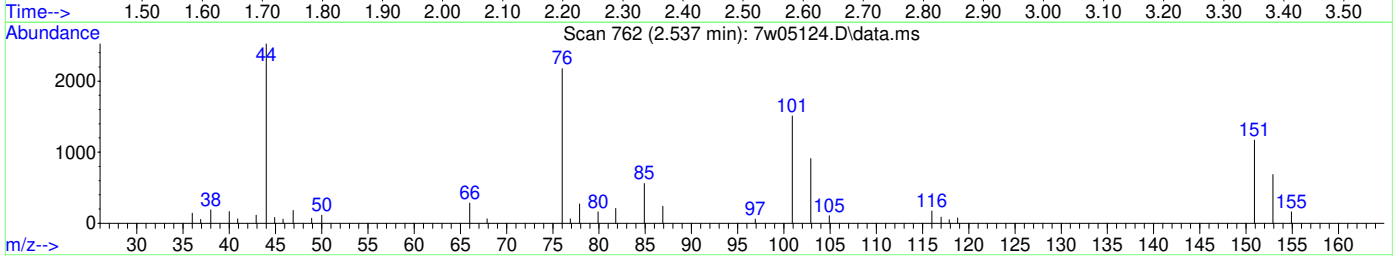
Ion	Exp%	Act%
52.00	100	100
50.00	319.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

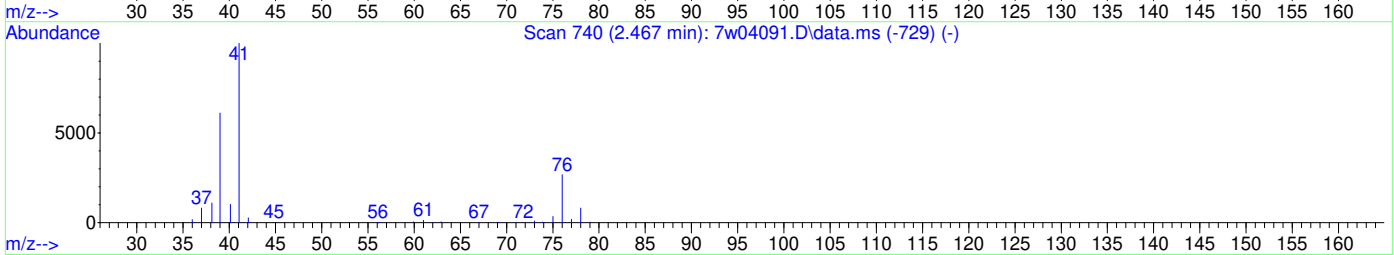
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:13:11 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration







TIC: 7w05124.D\data.ms

(32) 3-CHLOROPROPENE (T)

2.537min (+0.058) 0.53PPBV

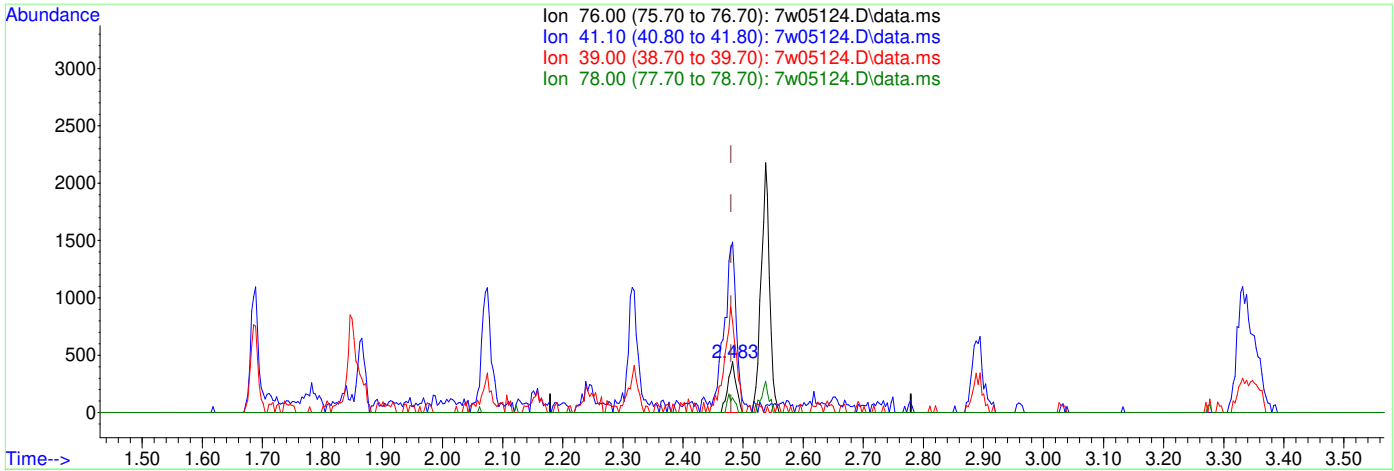
response 2145

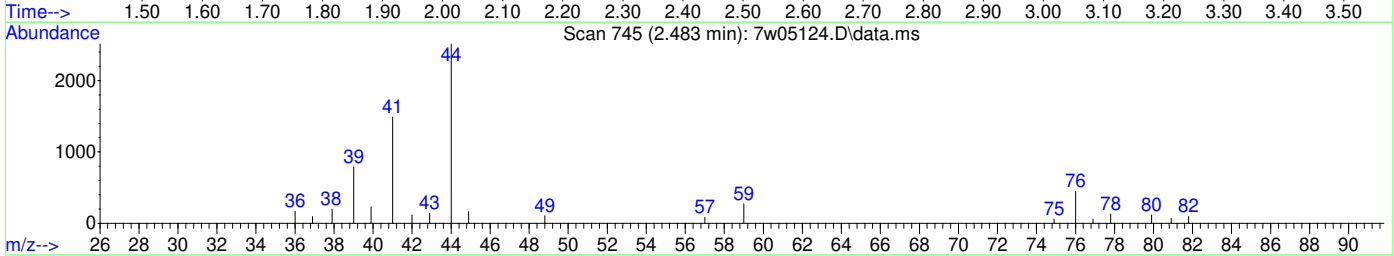
Ion	Exp%	Act%
76.00	100	100
41.10	327.80	0.00#
39.00	206.90	0.00#
78.00	33.00	0.00#

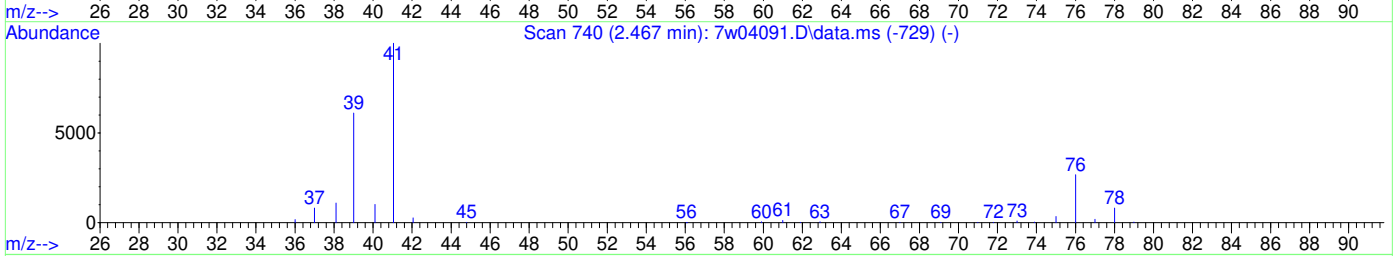
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:13:11 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration







TIC: 7w05124.D\data.ms

(32) 3-CHLOROPROPENE (T)

2.483min (+0.003) 0.11PPBV m

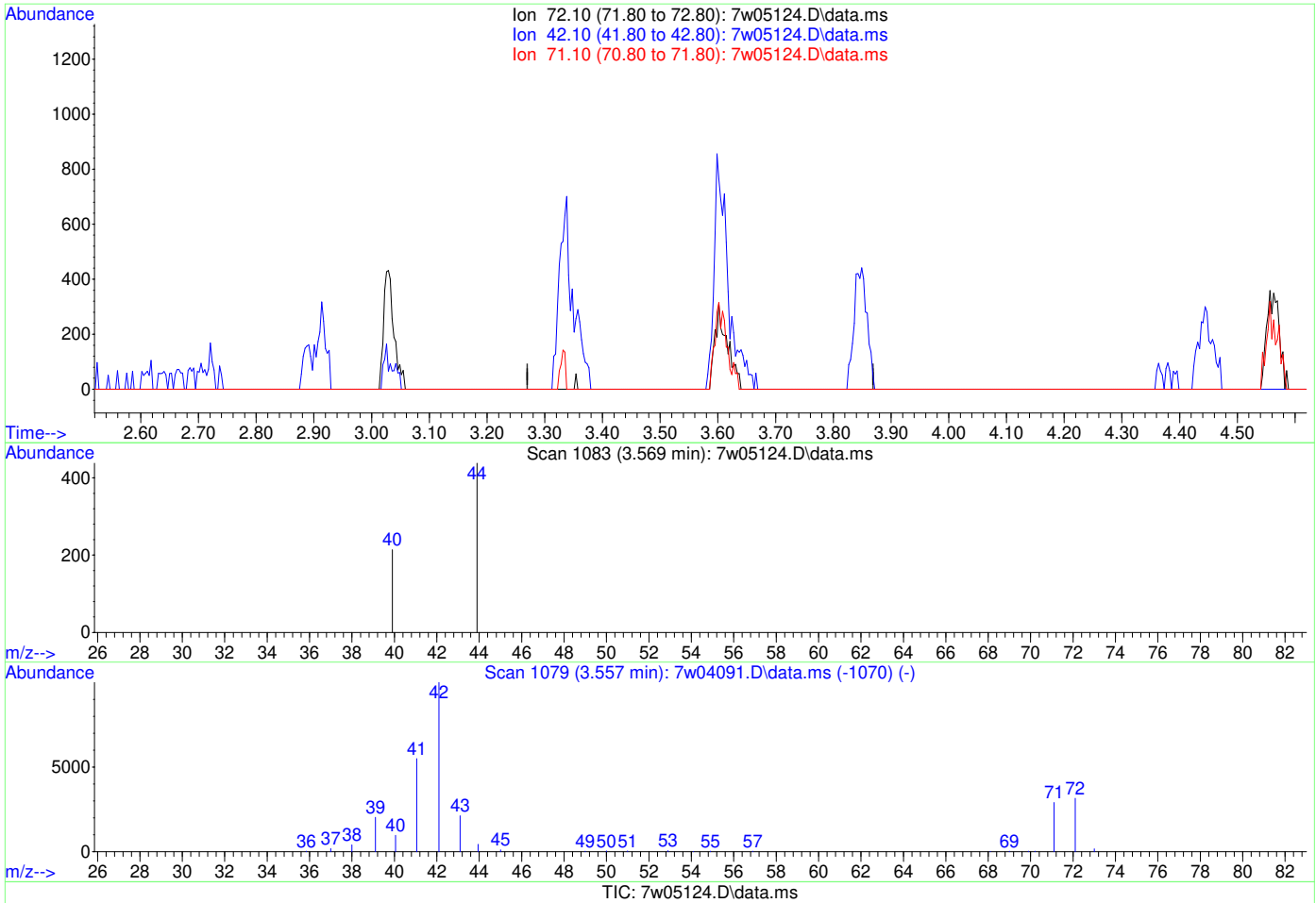
response 427

Ion	Exp%	Act%
76.00	100	100
41.10	327.80	0.00#
39.00	206.90	0.00#
78.00	33.00	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:13:11 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05124.D\data.ms

(37) TETRAHYDROFURAN (T)

3.570min (-3.570) 0.00PPBV

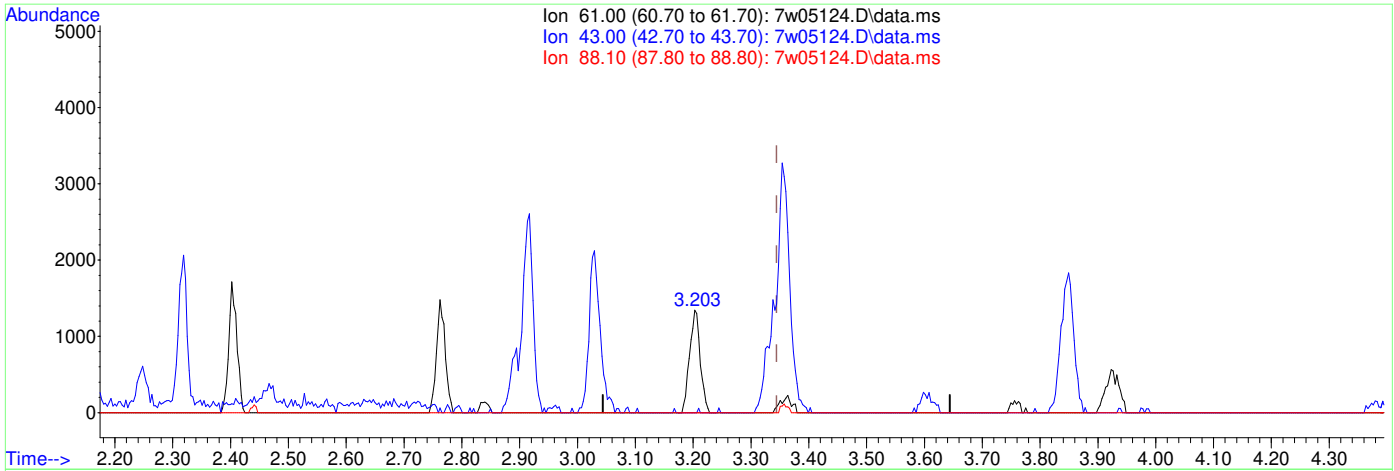
response 0

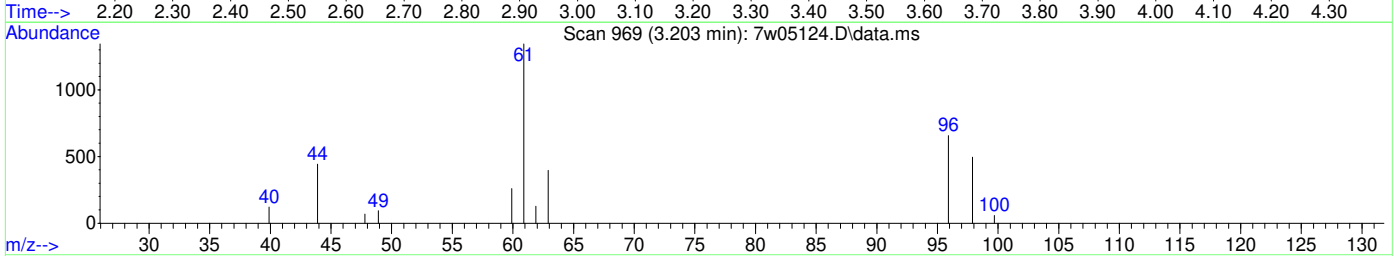
Ion	Exp%	Act%
72.10	100	0.00
42.10	283.00	0.00#
71.10	95.10	0.00#
0.00	0.00	0.00

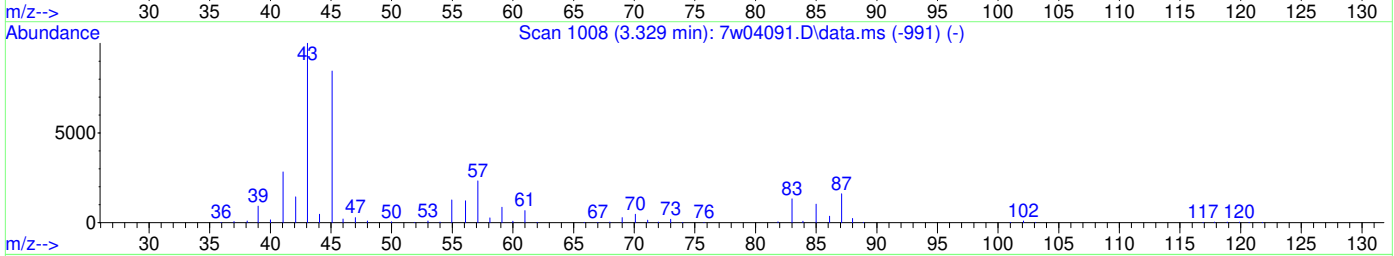
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:13:11 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration







TIC: 7w05124.D\data.ms

(44) ETHYL ACETATE (T)

3.203min (-0.142) 0.48PPBV

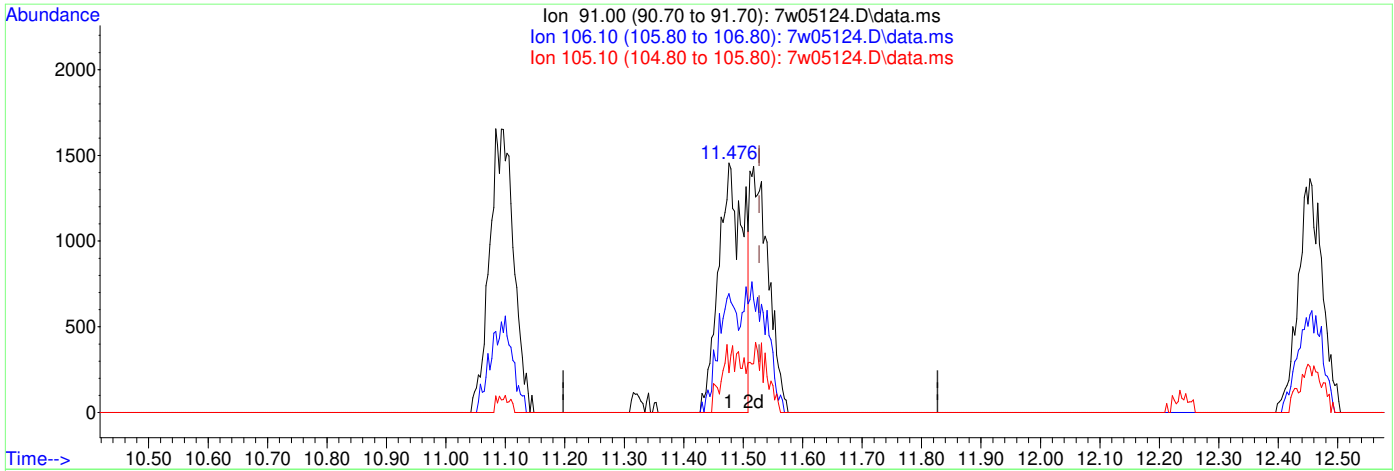
response 1701

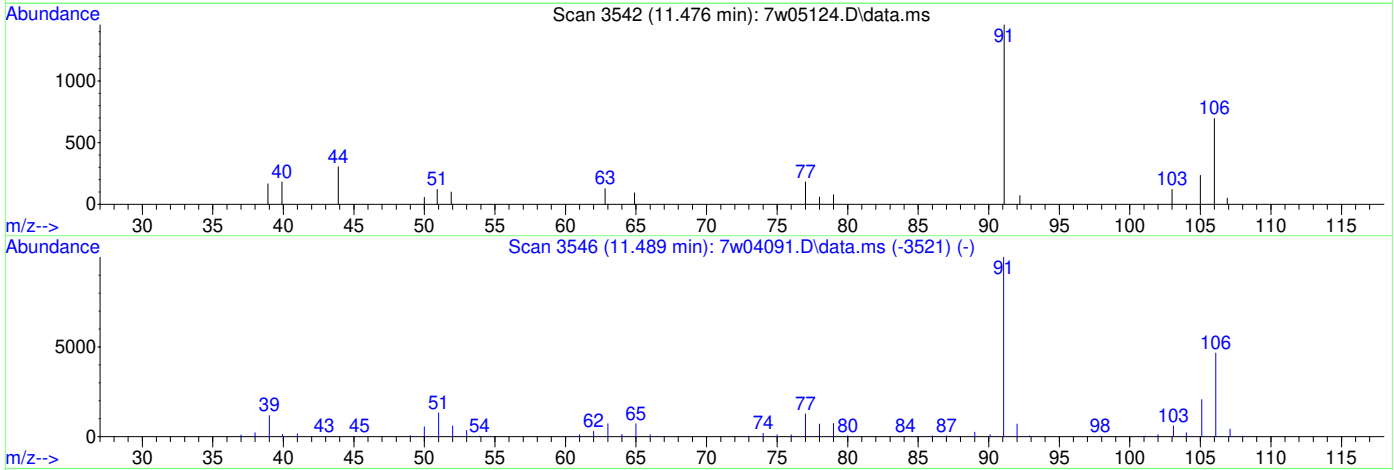
Ion	Exp%	Act%
61.00	100	100
43.00	1563.10	0.00#
88.10	39.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:13:11 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration





TIC: 7w05124.D\data.ms

(80) M,P-XYLENE (t)

11.476min (-0.052) 0.11PPBV

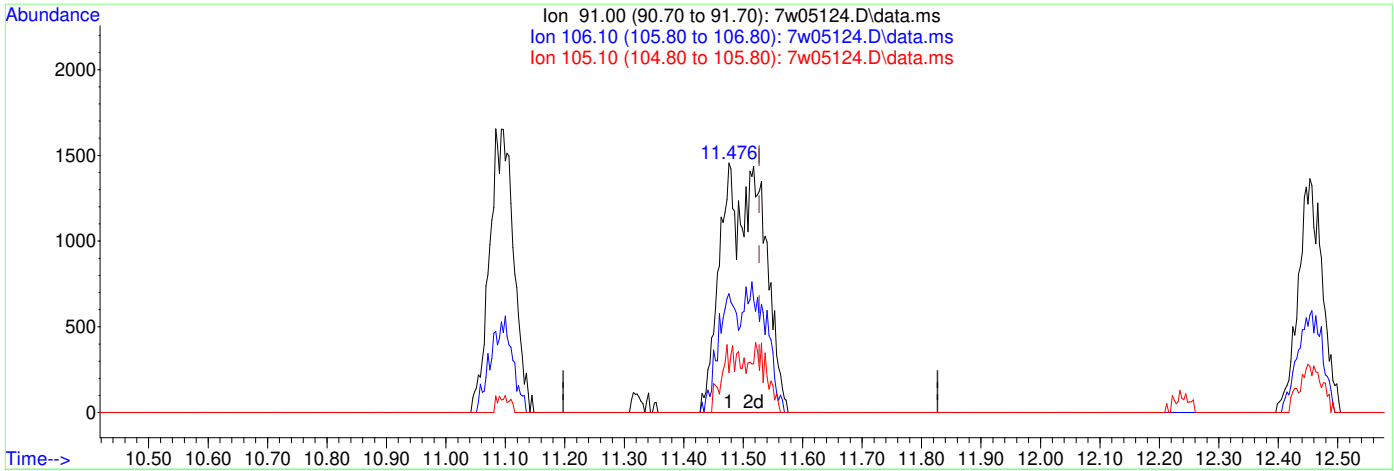
response 4171

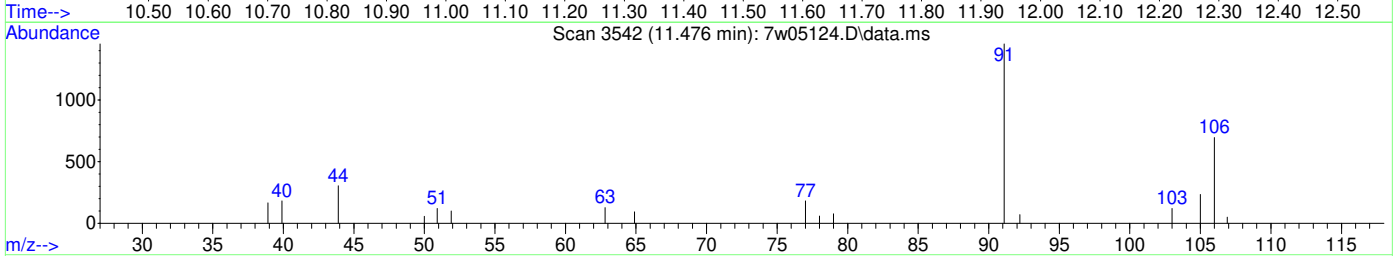
Ion	Exp%	Act%
91.00	100	100
106.10	23.90	39.13
105.10	11.10	22.82
0.00	0.00	0.00

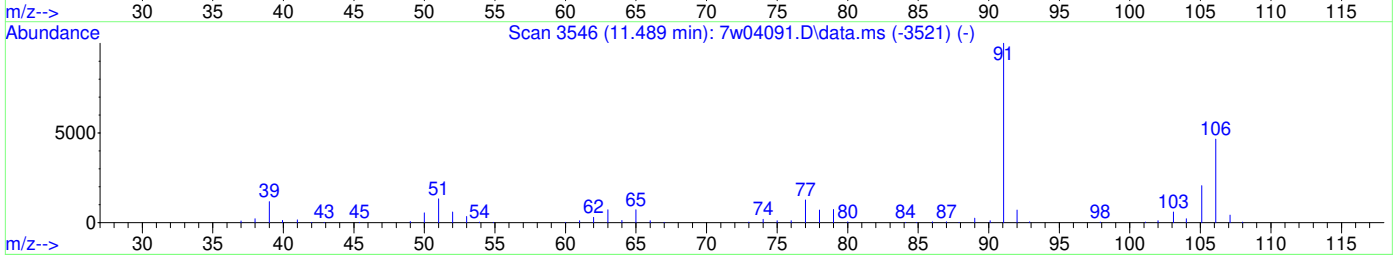
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:13:11 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration







TIC: 7w05124.D\data.ms

(80) M,P-XYLENE (t)

11.476min (-0.052) 0.19PPBV m

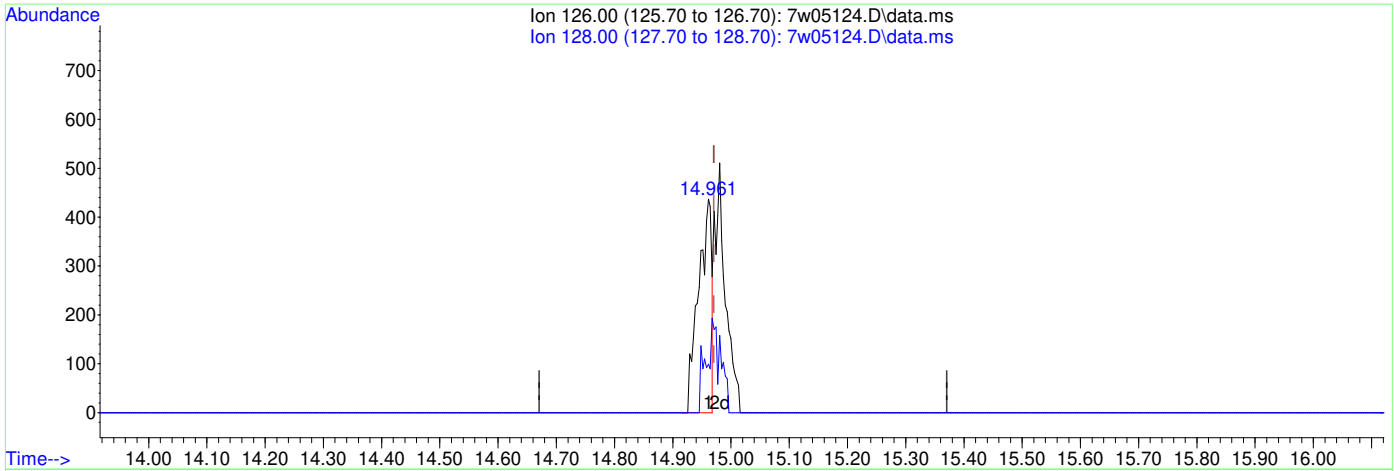
response 7269

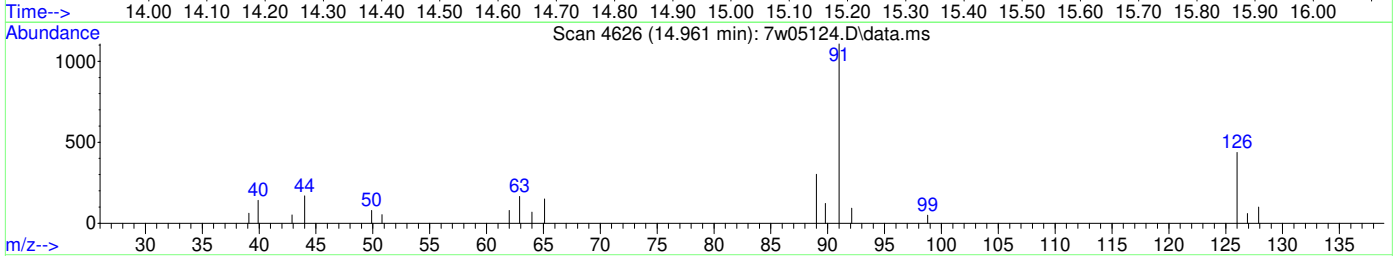
Ion	Exp%	Act%
91.00	100	100
106.10	23.90	22.45
105.10	11.10	13.10
0.00	0.00	0.00

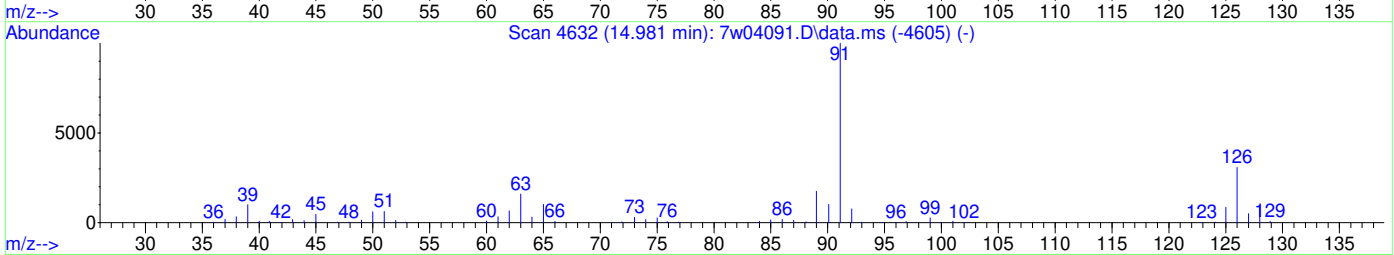
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:13:11 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration







TIC: 7w05124.D\data.ms

(90) 2-CHLOROTOLUENE (T)

14.961min (-0.010) 0.05PPBV

response 685

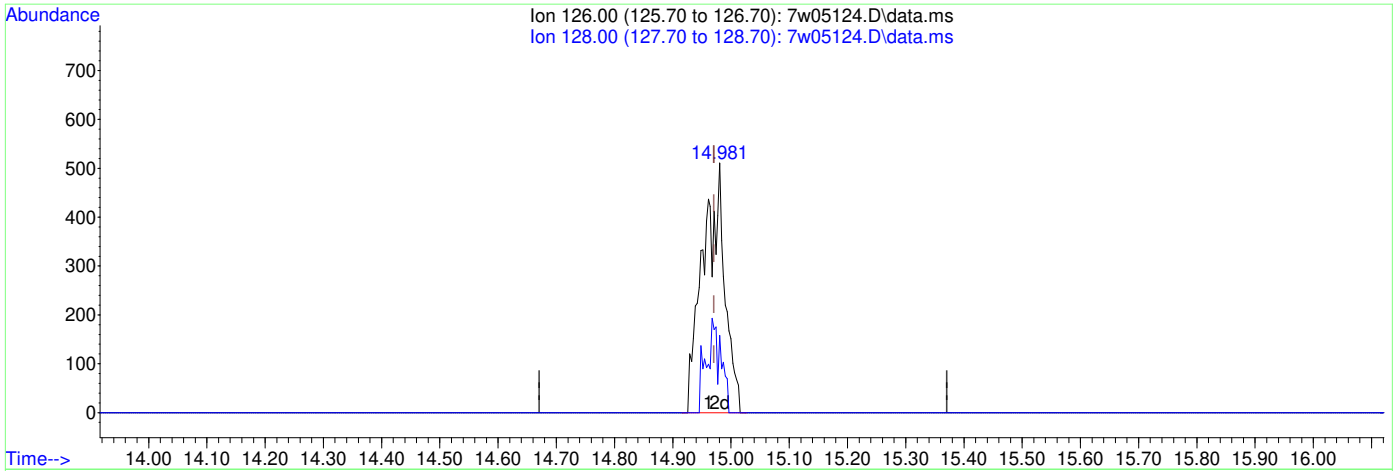
Ion	Exp%	Act%
126.00	100	100
128.00	31.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

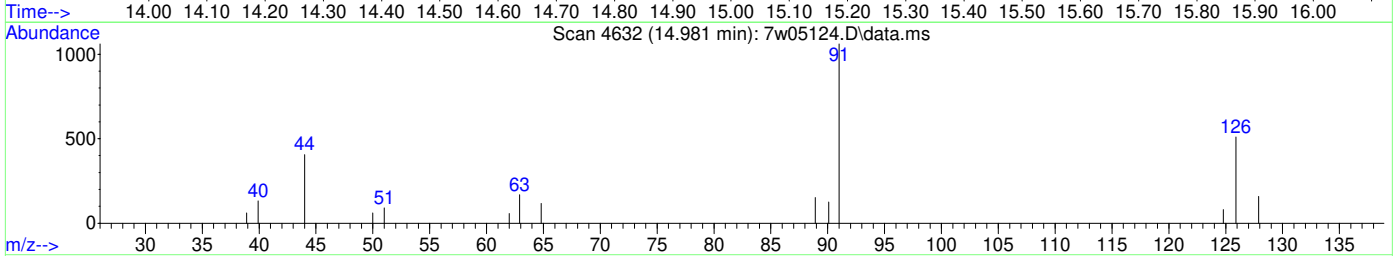
7W05124.D edits: 2-CHLOROTOLUENE

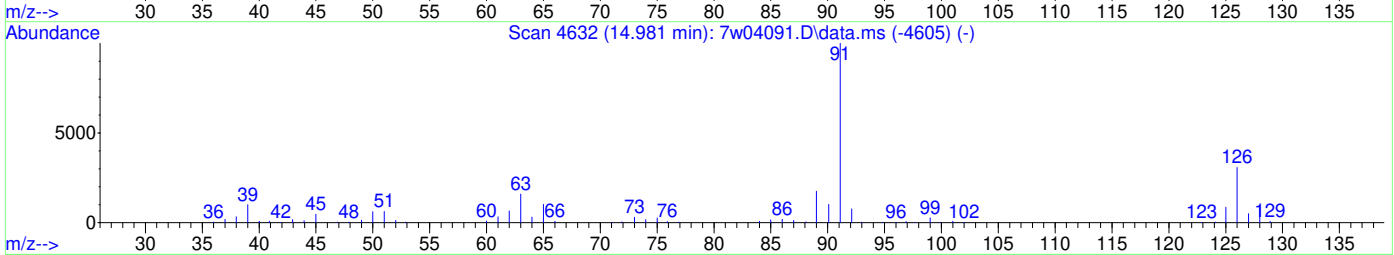
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:13:11 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration







TIC: 7w05124.D\data.ms

(90) 2-CHLOROTOLUENE (T)

14.981min (+0.010) 0.10PPBV m

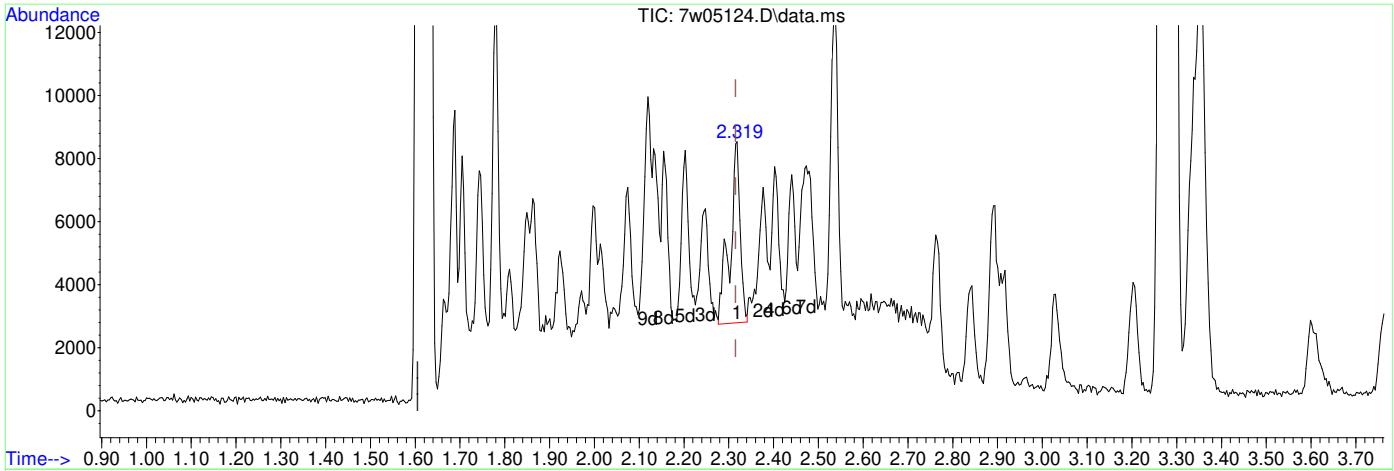
response 1328

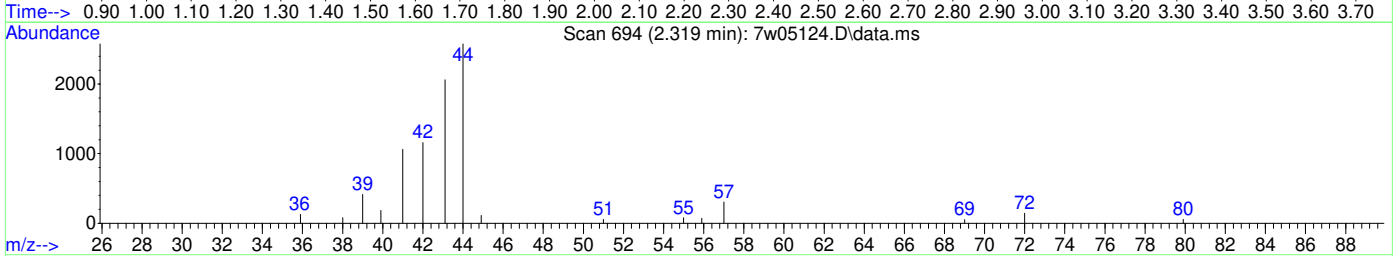
Ion	Exp%	Act%
126.00	100	100
128.00	31.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

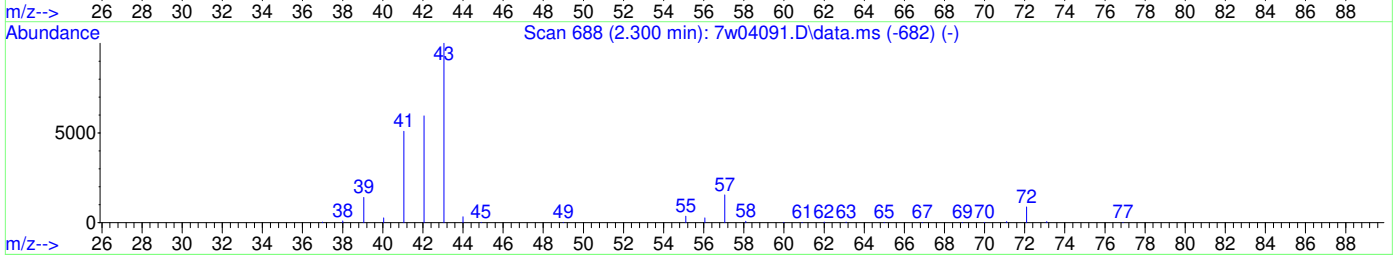
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:13:11 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration







TIC: 7w05124.D\data.ms

(110) TVHC as equiv Pentane

2.319min (+0.003) 0.19PPBV

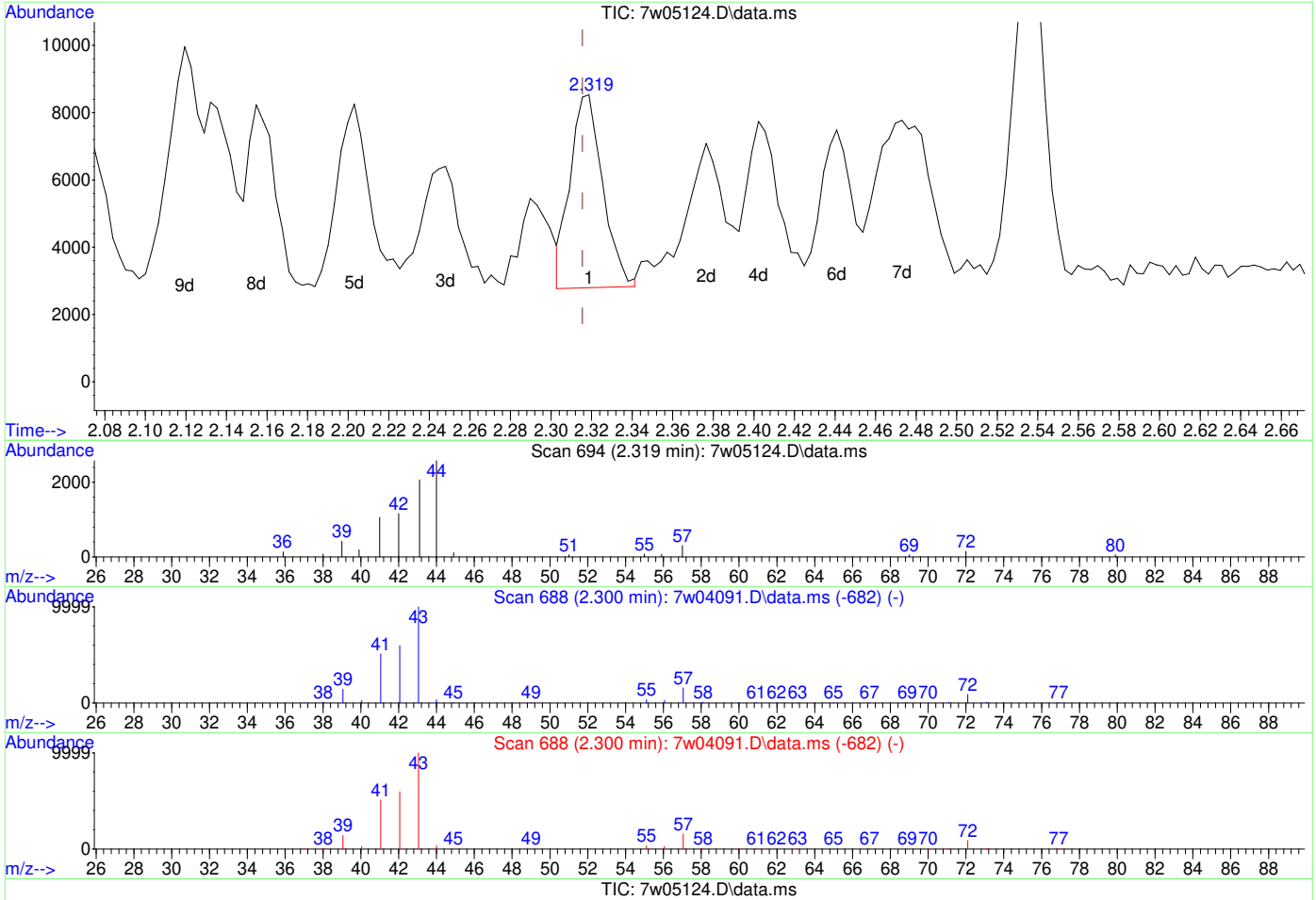
response 9168

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:13:11 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05124.D\data.ms

(110) TVHC as equiv Pentane

2.319min (+0.003) 0.13PPBV m

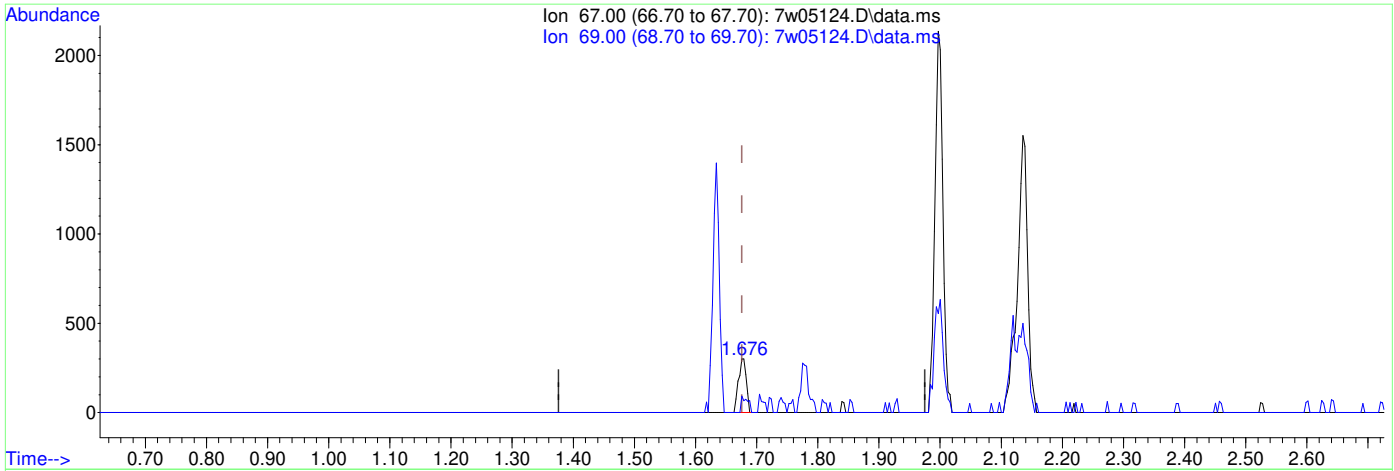
response 6387

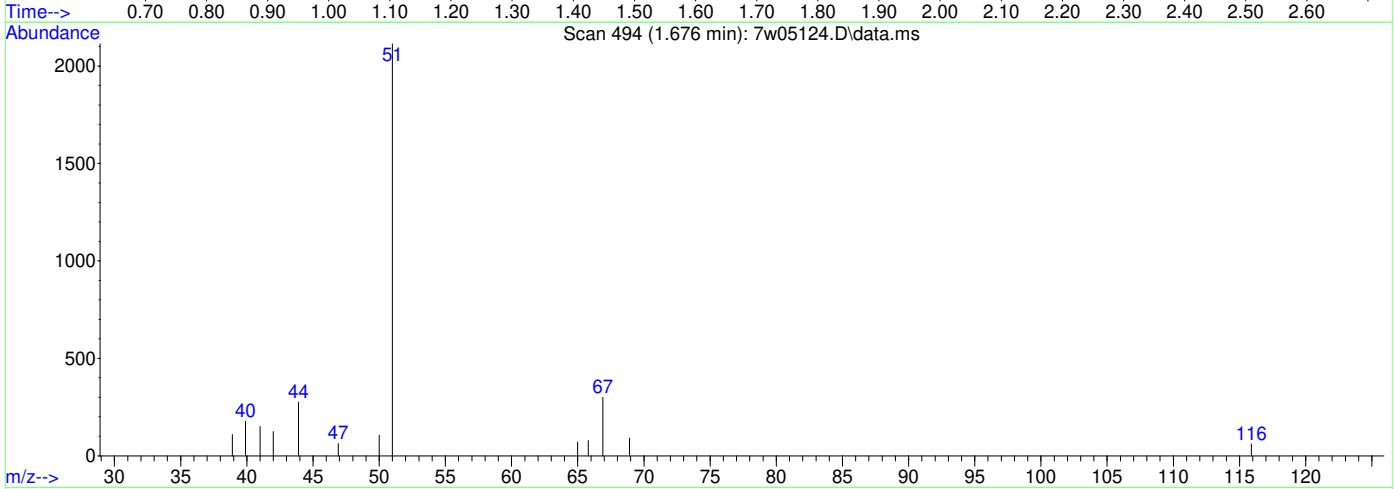
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 14:09:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration





TIC: 7w05124.D\data.ms

(4) CHLORODIFLUOROMETHANE (T)

1.676min (-0.000) 0.11PPBV m

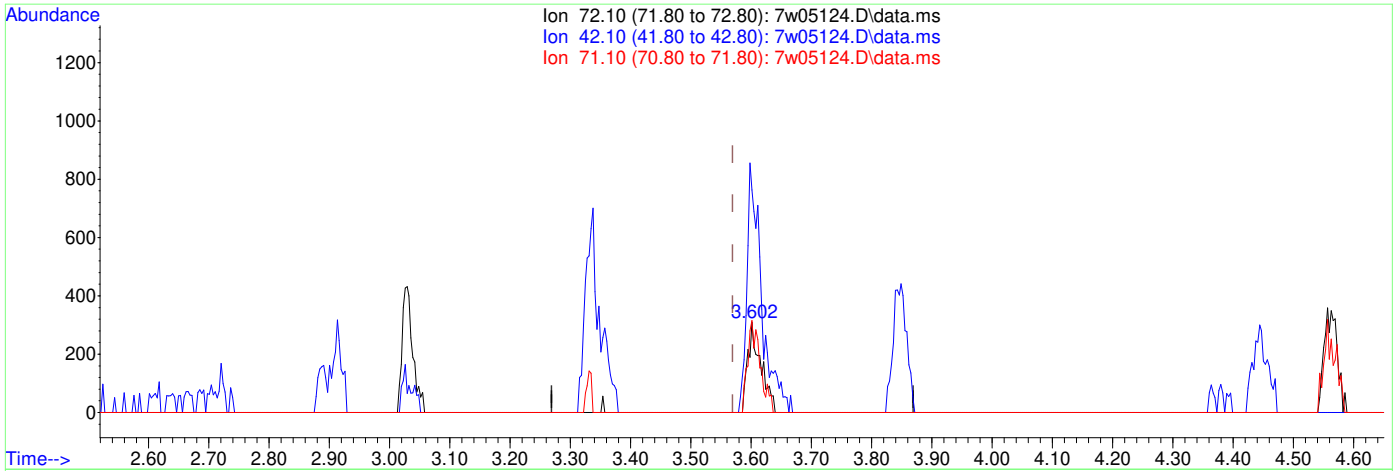
response 266

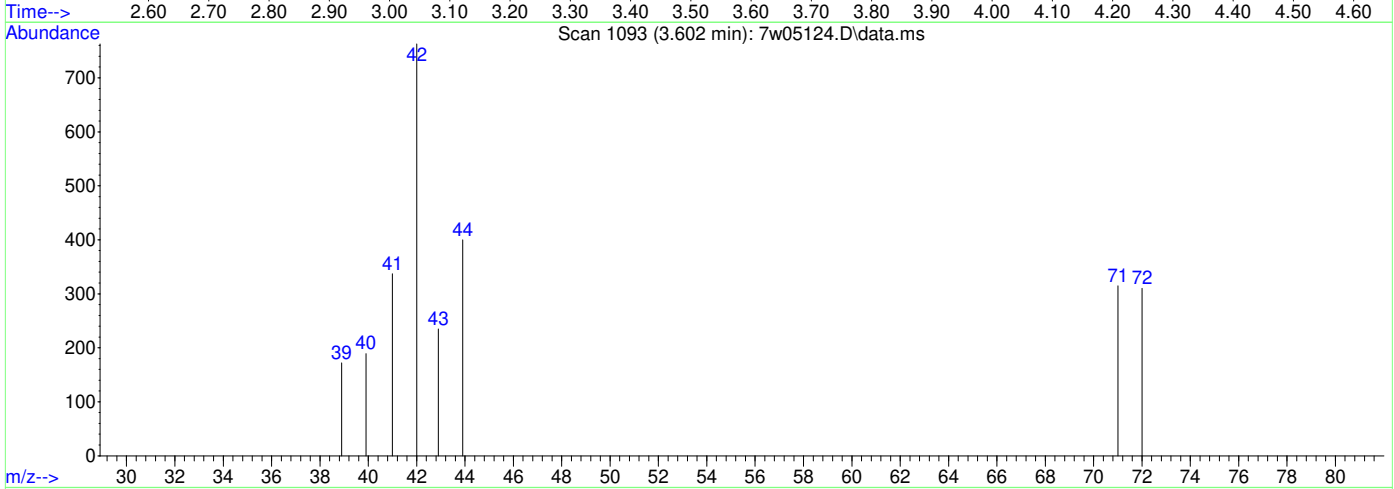
Ion	Exp%	Act%
67.00	100	100
69.00	34.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 14:09:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration





TIC: 7w05124.D\data.ms

(37) TETRAHYDROFURAN (T)

3.602min (+0.032) 0.10PPBV m

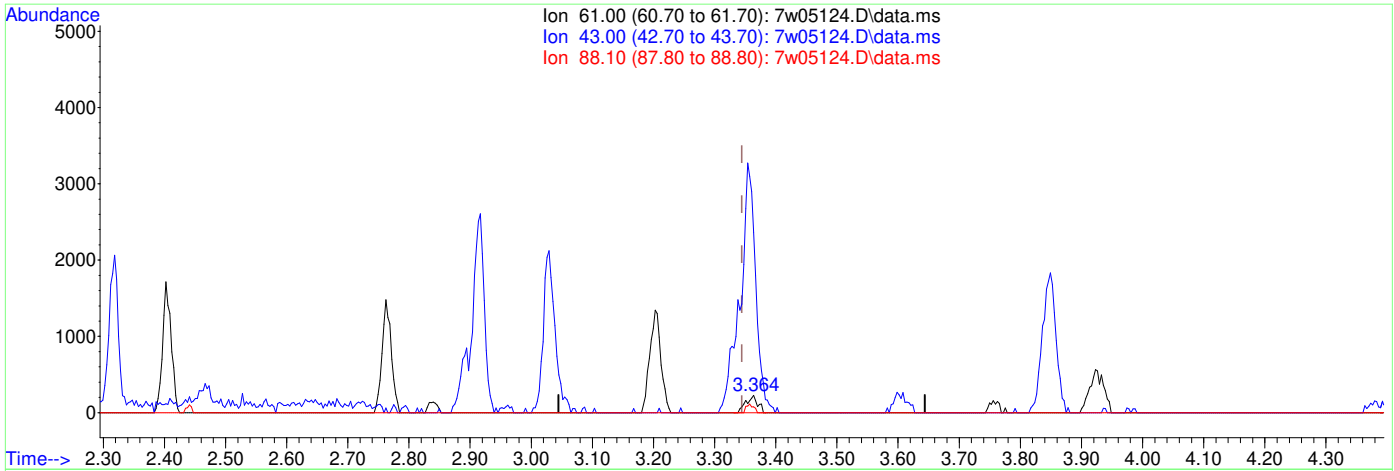
response 468

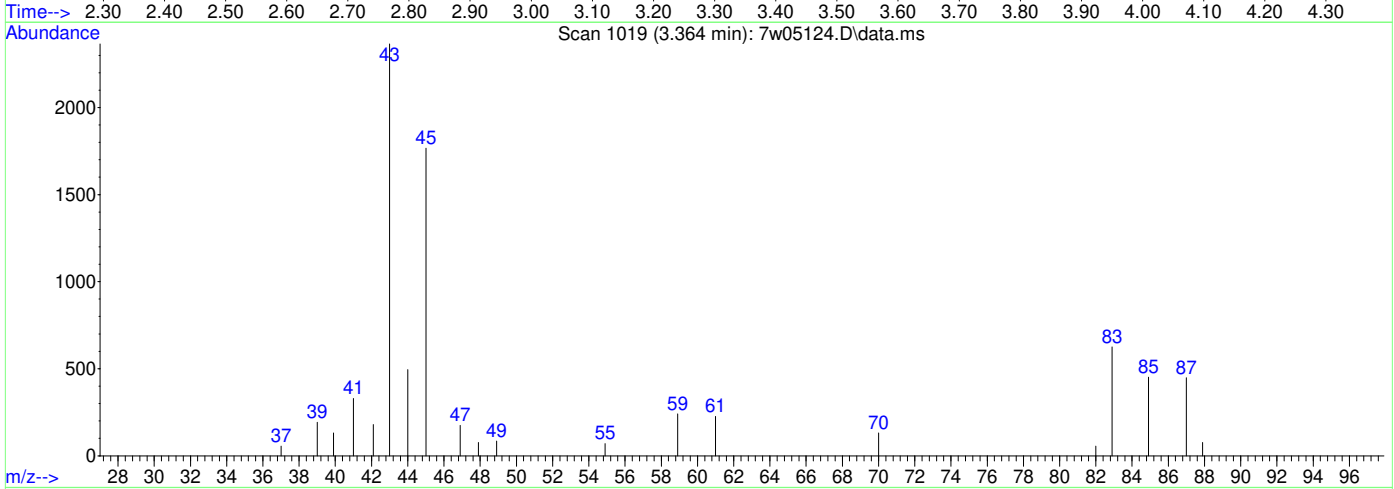
Ion	Exp%	Act%
72.10	100	100
42.10	283.00	0.00#
71.10	95.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05124.D
Acq On : 3 Mar 2024 2:40 am
Operator : williamc
Sample : ic0201-0.10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 14:09:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration





TIC: 7w05124.D\data.ms

(44) ETHYL ACETATE (T)

3.364min (+0.019) 0.08PPBV m

response 299

Ion	Exp%	Act%
61.00	100	100
43.00	1563.10	0.00#
88.10	39.20	0.00#
0.00	0.00	0.00

7W05124.D edits: ETHYL ACETATE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 03/06/24 12:35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05125.D
Acq On : 3 Mar 2024 3:15 am
Operator : williamc
Sample : ic0201-0.20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 17:10:37 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.280	128	68426	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.560	114	353846	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.135	117	323134	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.280	128	68426	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.495	95	238581	9.85	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.666	65	1197	0.21	PPBV	#	100
4) CHLORODIFLUOROMETHANE	1.676	67	501	0.21	PPBV	#	41
5) CHLOROTRIFLUOROETHENE	1.689	116	2452	0.21	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.705	85	5010	0.21	PPBV		99
7) PROPYLENE	1.685	41	2032	0.26	PPBV		91
8) 1-CHLORO-1,1-DIFLUOROE...	1.743	65	3536	0.21	PPBV	#	79
9) FREON 114	1.779	85	4146	0.20	PPBV		95
10) CHLOROMETHANE	1.747	52	656	0.22	PPBV		92
11) VINYL CHLORIDE	1.811	62	1931	0.19	PPBV	#	94
12) 1,3-BUTADIENE	1.849	54	1601	0.20	PPBV		83
13) N-BUTANE	1.865	43	3161	0.21	PPBV	#	64
14) BROMOMETHANE	1.927	94	1629	0.22	PPBV	#	91
15) CHLOROETHANE	1.975	64	1073	0.20	PPBV	#	41
16) DICHLOROFLUOROMETHANE	1.997	67	3845	0.20	PPBV	#	89
17) ACETONITRILE	2.071	41	2468	0.26	PPBV	#	85
18) ACROLEIN	2.113	56	1154	0.23	PPBV		93
19) FREON 123	2.119	83	3954	0.21	PPBV		100
20) FREON 123A	2.139	117	2126	0.20	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.203	101	4325	0.21	PPBV		99
22) ISOPROPYL ALCOHOL	2.245	45	4989	0.24	PPBV	#	96
23) ACETONE	2.158	58	1915	0.36	PPBV		89
24) PENTANE	2.316	42	2424	0.22	PPBV		96
25) IODOMETHANE	2.377	142	4295	0.21	PPBV		97
26) 1,1-DICHLOROETHYLENE	2.406	96	1642	0.20	PPBV		98
27) CARBON DISULFIDE	2.534	76	4117	0.19	PPBV	#	69
29) BROMOETHENE	2.074	106	1588	0.21	PPBV	#	93
30) ACRYLONITRILE	2.293	52	1655	0.21	PPBV		96
31) METHYLENE CHLORIDE	2.441	84	1590	0.21	PPBV		97
32) 3-CHLOROPROPENE	2.480	76	733	0.18	PPBV	#	4
33) FREON 113	2.537	151	2678	0.21	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.766	96	1889	0.21	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.464	59	4683	0.21	PPBV	#	16
36) METHYL TERTIARY BUTYL ...	2.885	73	5694	0.21	PPBV	#	90
37) TETRAHYDROFURAN	3.602	72	1013	0.21	PPBV		90
38) HEXANE	3.332	57	4077	0.21	PPBV		96
39) VINYL ACETATE	2.917	86	468m	0.20	PPBV		
40) 1,1-DICHLOROETHANE	2.840	63	3965	0.21	PPBV	#	91
41) METHYL ETHYL KETONE	3.026	72	1031	0.20	PPBV	#	85
42) CIS-1,2-DICHLOROETHENE	3.203	96	2093	0.21	PPBV		92
43) DIISOPROPYL ETHER	3.354	59	1116	0.20	PPBV		90
44) ETHYL ACETATE	3.361	61	574	0.16	PPBV	#	39
45) METHYL ACRYLATE	3.341	55	4636	0.20	PPBV	#	100
46) CHLOROFORM	3.351	83	4094	0.21	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.849	57	4792	0.21	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.923	97	3384	0.19	PPBV		100
49) CARBON TETRACHLORIDE	4.348	117	2609	0.16	PPBV		99
50) 1,2-DICHLOROETHANE	3.763	62	3032	0.20	PPBV	#	93
51) BENZENE	4.235	78	6272	0.21	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05125.D
Acq On : 3 Mar 2024 3:15 am
Operator : williamc
Sample : ic0201-0.20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 17:10:37 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

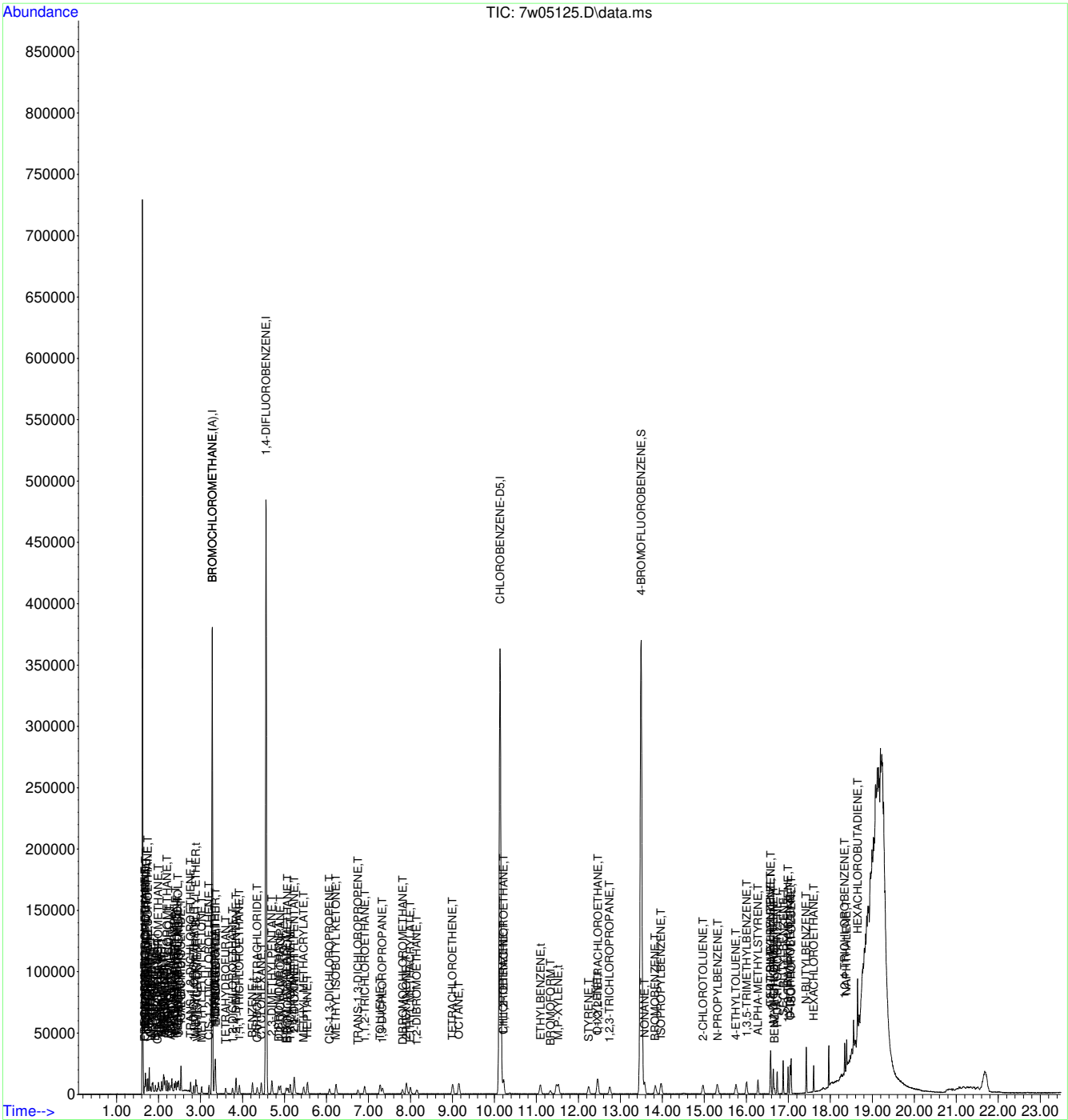
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53)	CYCLOHEXANE	4.451	84	2688	0.20	PPBV		91
54)	2,3-DIMETHYLPENTANE	4.698	71	1467	0.20	PPBV	#	98
55)	TRICHLOROETHENE	5.139	95	2598	0.20	PPBV		98
56)	1,2-DICHLOROPROPANE	4.901	63	2613	0.20	PPBV		97
57)	DIBROMOMETHANE	4.862	174	2345	0.20	PPBV		97
58)	ETHYL ACRYLATE	5.039	55	5663	0.19	PPBV	#	95
59)	BROMODICHLOROMETHANE	5.074	83	3192	0.16	PPBV		94
60)	2,2,4-TRIMETHYLPENTANE	5.229	57	13039	0.21	PPBV		98
61)	1,4-DIOXANE	5.238	88	1511	0.20	PPBV	#	1
62)	HEPTANE	5.544	43	4577	0.20	PPBV		99
63)	METHYL METHACRYLATE	5.454	69	2314	0.19	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.225	58	2624	0.20	PPBV		90
65)	CIS-1,3-DICHLOROPROPENE	6.068	75	2788	0.17	PPBV		95
66)	TOLUENE	7.277	91	7513	0.20	PPBV		99
67)	1,3-DICHLOROPROPANE	7.332	76	3703	0.20	PPBV	#	91
68)	TRANS-1,3-DICHLOROPROPENE	6.746	75	2306	0.16	PPBV		96
69)	1,1,2-TRICHLOROETHANE	6.914	83	2288	0.21	PPBV		91
70)	2-HEXANONE	7.901	58	5024	0.25	PPBV		97
71)	ETHYL METHACRYLATE	7.997	69	3685	0.18	PPBV		97
72)	TETRACHLOROETHENE	9.000	164	2722	0.19	PPBV		98
73)	DIBROMOCHLOROMETHANE	7.814	129	2811	0.16	PPBV	#	85
74)	1,2-DIBROMOETHANE	8.148	107	3515	0.18	PPBV	#	96
75)	OCTANE	9.148	43	6273	0.20	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.216	131	2006	0.15	PPBV		100
78)	CHLOROBENZENE	10.212	112	6013	0.20	PPBV		97
79)	ETHYLBENZENE	11.097	91	9502	0.20	PPBV		99
80)	M,P-XYLENE	11.521	91	14952m	0.40	PPBV		
81)	O-XYLENE	12.447	91	7592	0.20	PPBV		92
82)	STYRENE	12.241	104	5372	0.18	PPBV		97
83)	NONANE	13.576	43	6284	0.19	PPBV		99
84)	BROMOFORM	11.331	173	2186	0.16	PPBV	#	96
85)	1,1,2,2-TETRACHLOROETHANE	12.466	83	5280	0.19	PPBV	#	95
86)	1,2,3-TRICHLOROPROPANE	12.740	75	4245	0.19	PPBV	#	99
88)	ISOPROPYLBENZENE	13.968	120	2827	0.19	PPBV		97
89)	BROMOBENZENE	13.830	77	5714	0.20	PPBV		98
90)	2-CHLOROTOLUENE	14.965	126	2485	0.18	PPBV		93
91)	N-PROPYLBENZENE	15.318	120	2821	0.18	PPBV	#	61
92)	4-ETHYLTOLUENE	15.752	105	9972	0.18	PPBV	#	98
93)	1,3,5-TRIMETHYLBENZENE	16.010	105	8481	0.18	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.276	118	3396	0.16	PPBV		93
95)	TERT-BUTYLBENZENE	16.576	134	2160	0.19	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.582	105	8562	0.18	PPBV		95
97)	BENZYL CHLORIDE	16.672	91	2536	0.10	PPBV	#	86
98)	M-DICHLOROBENZENE	16.643	146	5990	0.19	PPBV		97
99)	P-DICHLOROBENZENE	16.736	146	5727	0.18	PPBV		99
100)	O-DICHLOROBENZENE	17.045	146	5549	0.19	PPBV		99
101)	SEC-BUTYLBENZENE	16.878	134	2635	0.19	PPBV		100
102)	1,2,3-TRIMETHYLBENZENE	16.994	105	8755	0.18	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.071	134	2885	0.19	PPBV		99
104)	N-BUTYLBENZENE	17.424	134	2540	0.17	PPBV		93
105)	HEXACHLOROETHANE	17.604	117	1294	0.11	PPBV		95
106)	HEXACHLOROBUTADIENE	18.649	225	3892	0.20	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	18.341	180	3812	0.14	PPBV		96
108)	NAPHTHALENE	18.389	128	9217	0.14	PPBV		99
110)	TVHC as equiv Pentane	2.319	TIC	11863m	0.24	PPBV		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05125.D
Acq On : 3 Mar 2024 3:15 am
Operator : williamc
Sample : ic0201-0.20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 17:10:37 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



Manual Integration Approval Summary

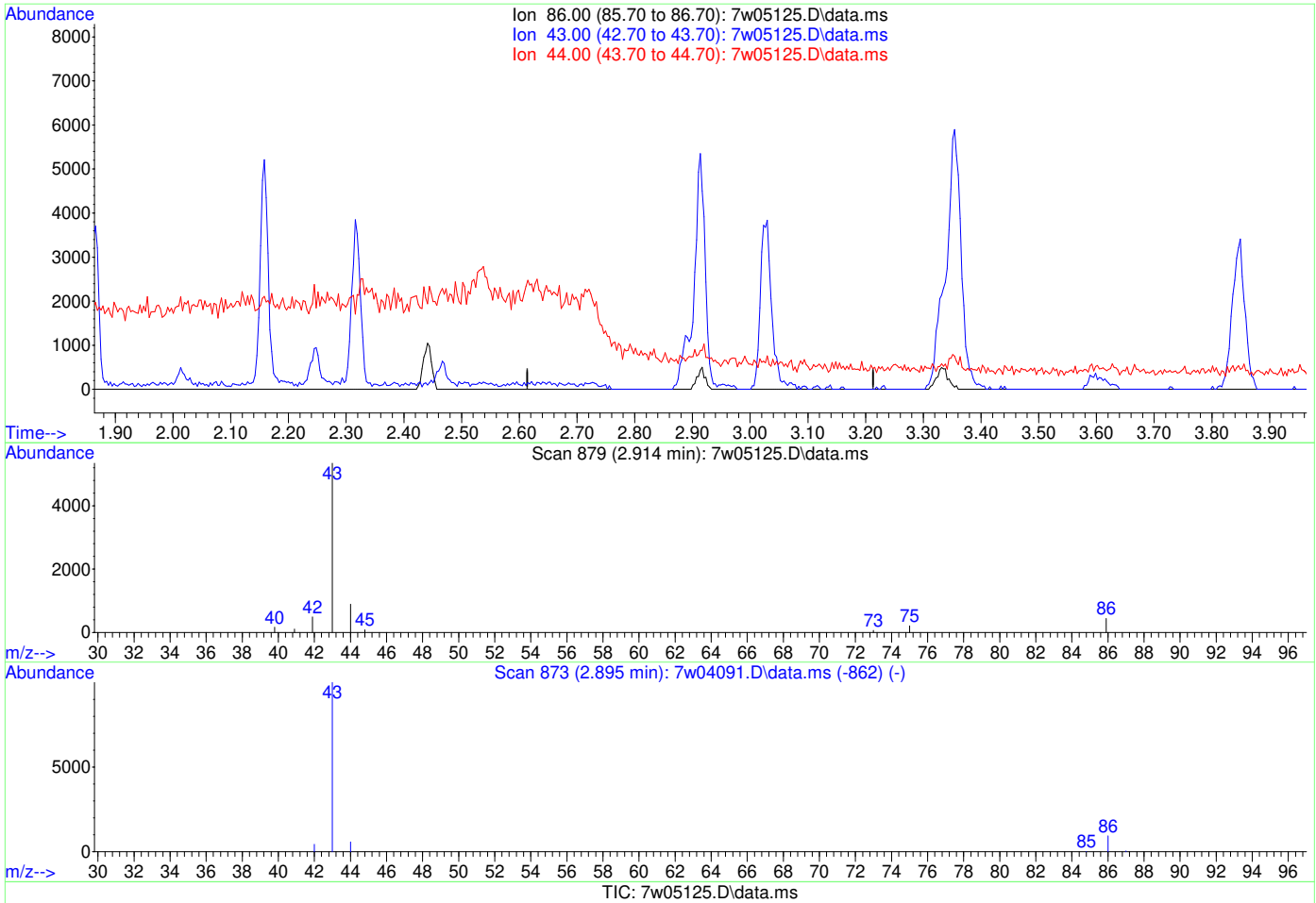
Sample Number:	V7W201-IC0201	**Method:**	TO-15
Lab FileID:	7W05125.D	**Analyst approved:**	03/06/24 12:30 Thomas Hilbig
Injection Time:	03/03/24 03:15	**Supervisor approved:**	03/06/24 12:35 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.32	Overlapping peak
Vinyl Acetate	108-05-4		2.92	Missed peak
m,p-Xylene			11.52	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05125.D
Acq On : 3 Mar 2024 3:15 am
Operator : williamc
Sample : ic0201-0.20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:20:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05125.D\data.ms

(39) VINYL ACETATE (T)

2.914min (-2.914) 0.00PPBV

response 0

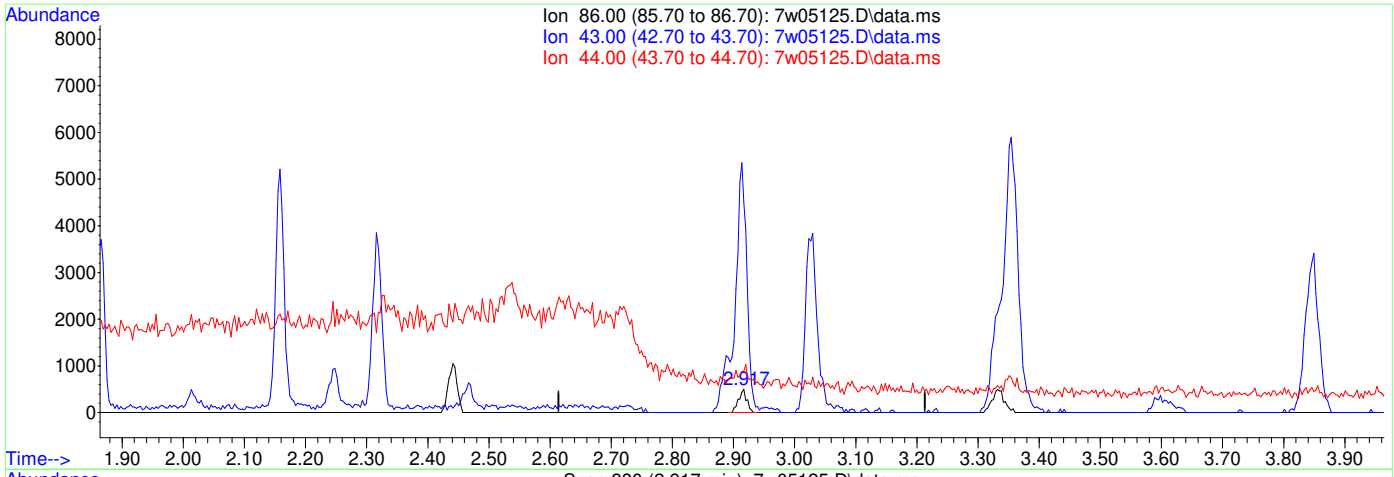
Ion	Exp%	Act%
86.00	100	0.00
43.00	1263.10	0.00#
44.00	66.30	0.00#
0.00	0.00	0.00

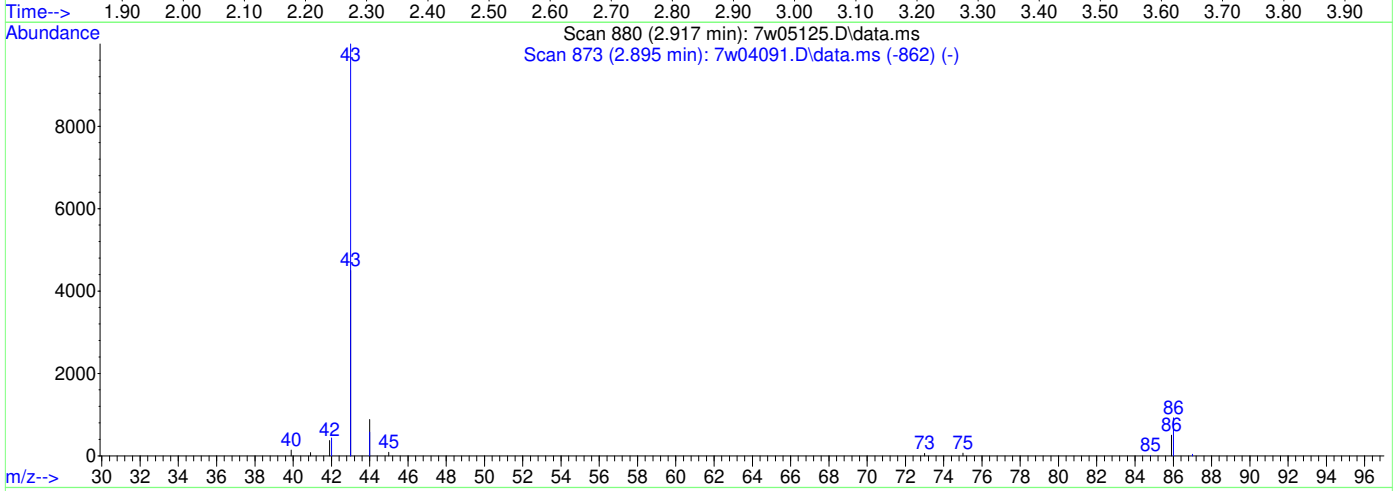
7W05125.D edits: VINYL ACETATE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05125.D
Acq On : 3 Mar 2024 3:15 am
Operator : williamc
Sample : ic0201-0.20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:20:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration





TIC: 7w05125.D\data.ms

(39) VINYL ACETATE (T)

2.917min (+0.003) 0.20PPBV m

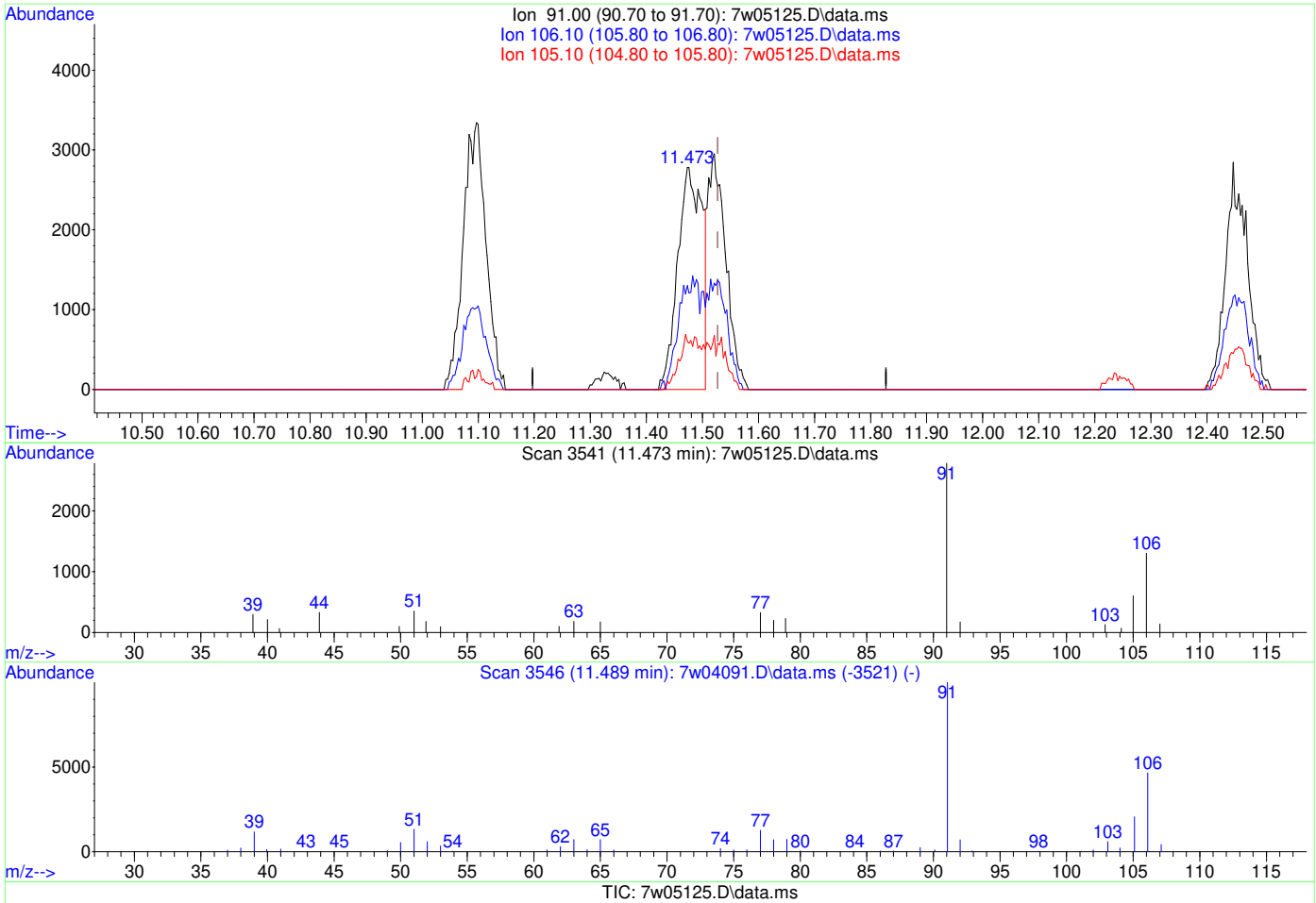
response 468

Ion	Exp%	Act%
86.00	100	100
43.00	1263.10	0.00#
44.00	66.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05125.D
Acq On : 3 Mar 2024 3:15 am
Operator : williamc
Sample : ic0201-0.20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:20:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05125.D\data.ms

(80) M,P-XYLENE (t)

11.473min (-0.055) 0.22PPBV

response 8365

Ion	Exp%	Act%
91.00	100	100
106.10	23.90	49.56
105.10	11.10	19.62
0.00	0.00	0.00

7.7.3.4

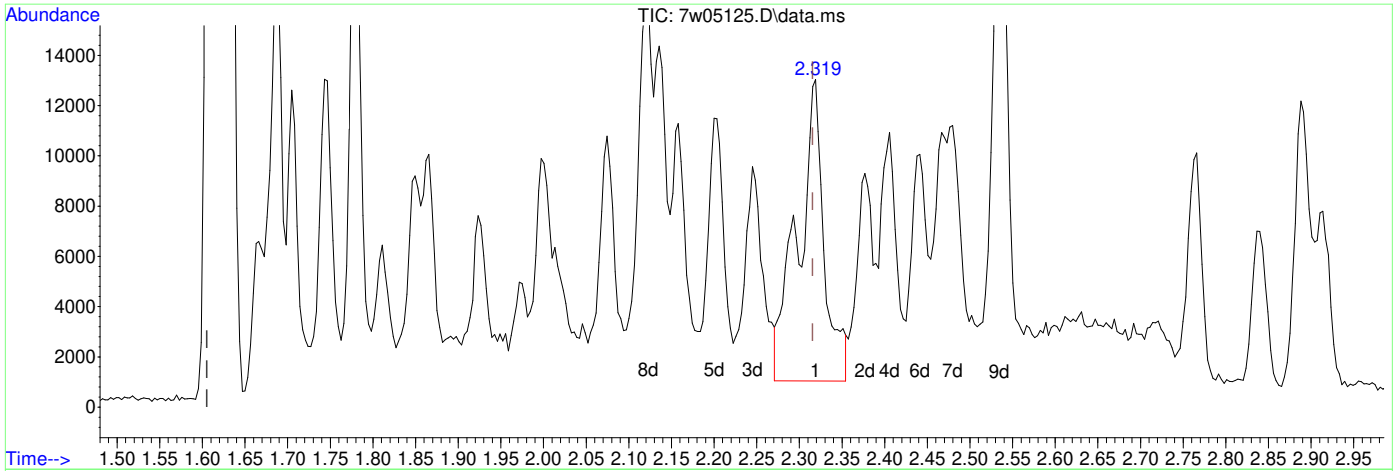
7

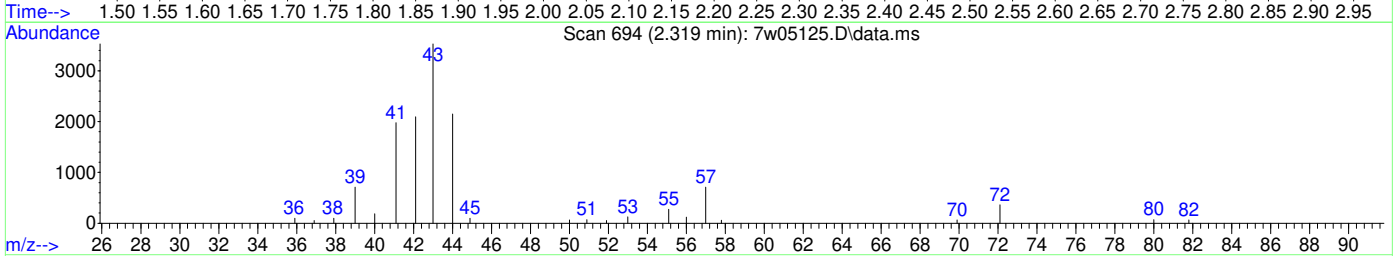
7W05125.D edits: M,P-XYLENE

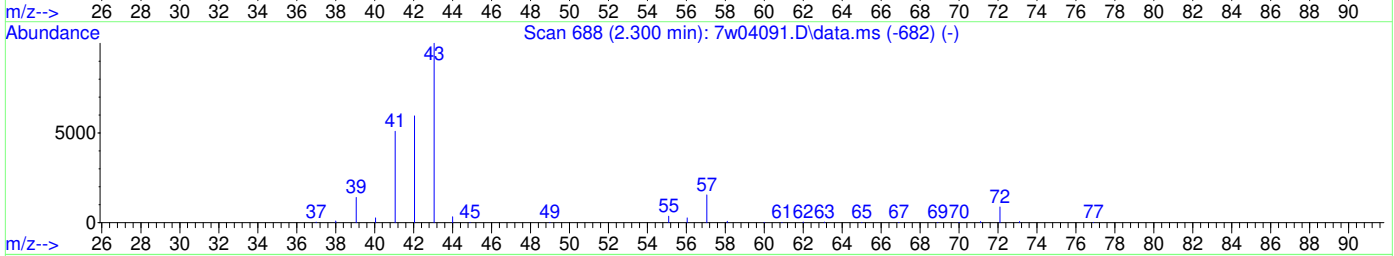
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05125.D
Acq On : 3 Mar 2024 3:15 am
Operator : williamc
Sample : ic0201-0.20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:20:50 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration







TIC: 7w05125.D\data.ms

(110) TVHC as equiv Pentane

2.319min (+0.003) 0.52PPBV

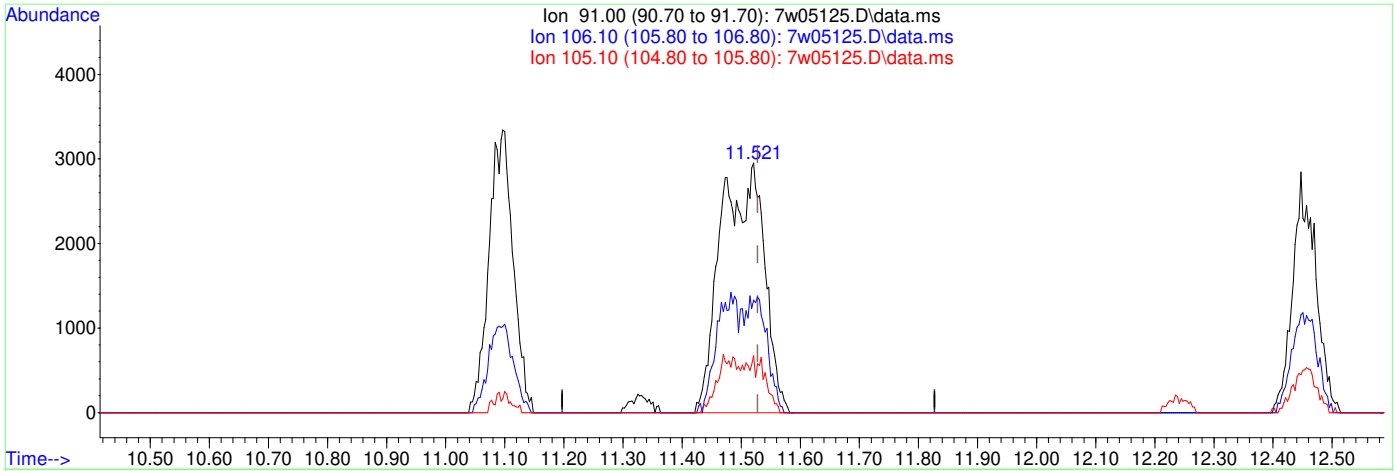
response 25545

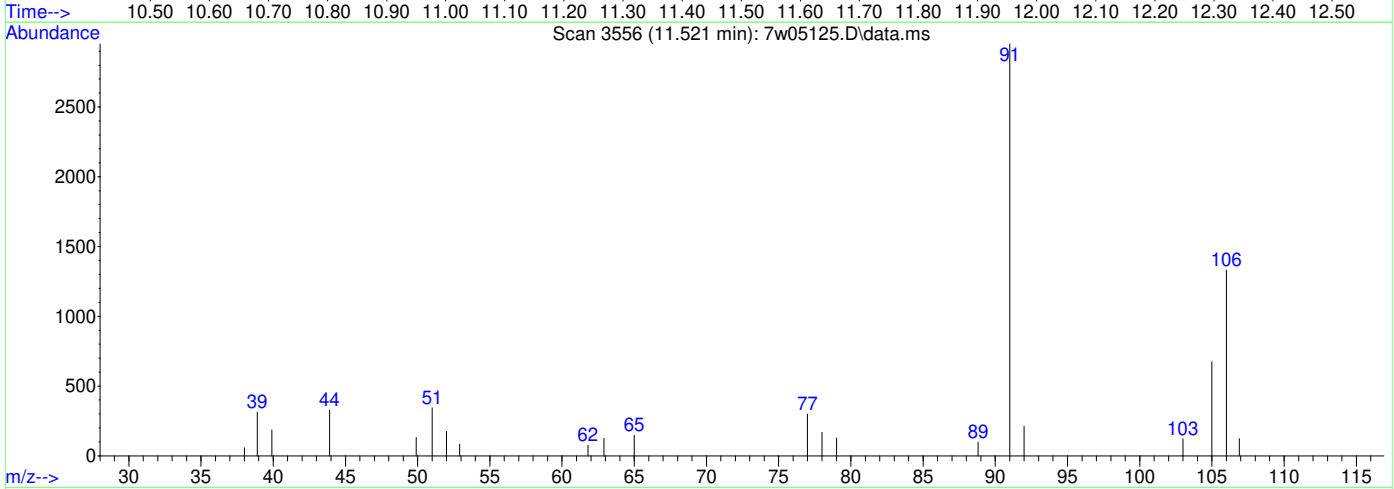
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05125.D
Acq On : 3 Mar 2024 3:15 am
Operator : williamc
Sample : ic0201-0.20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:26:07 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration





TIC: 7w05125.D\data.ms

(80) M,P-XYLENE (t)

11.521min (-0.006) 0.40PPBV m

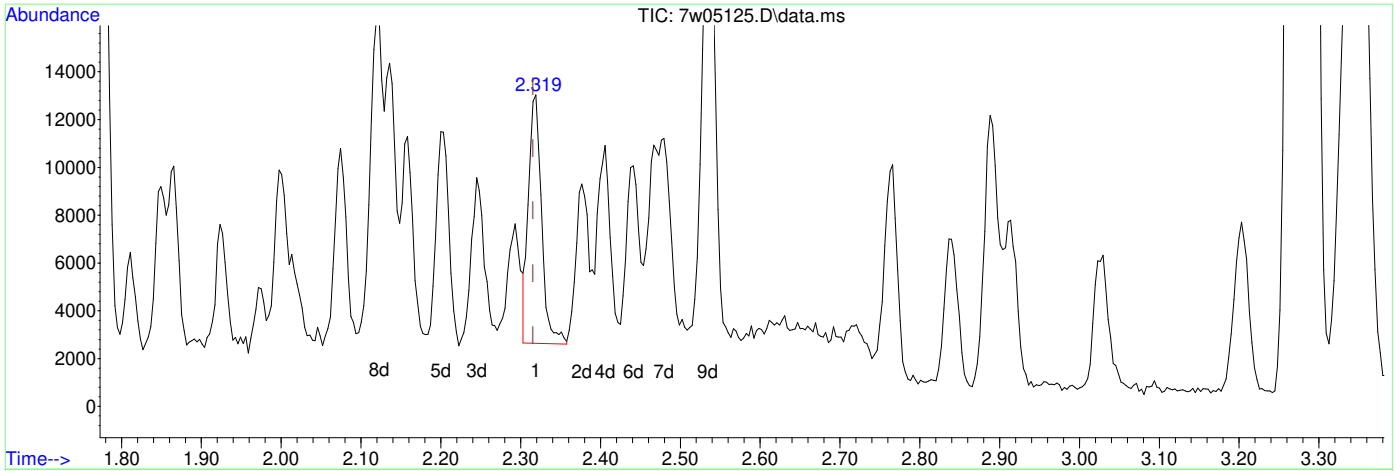
response 14952

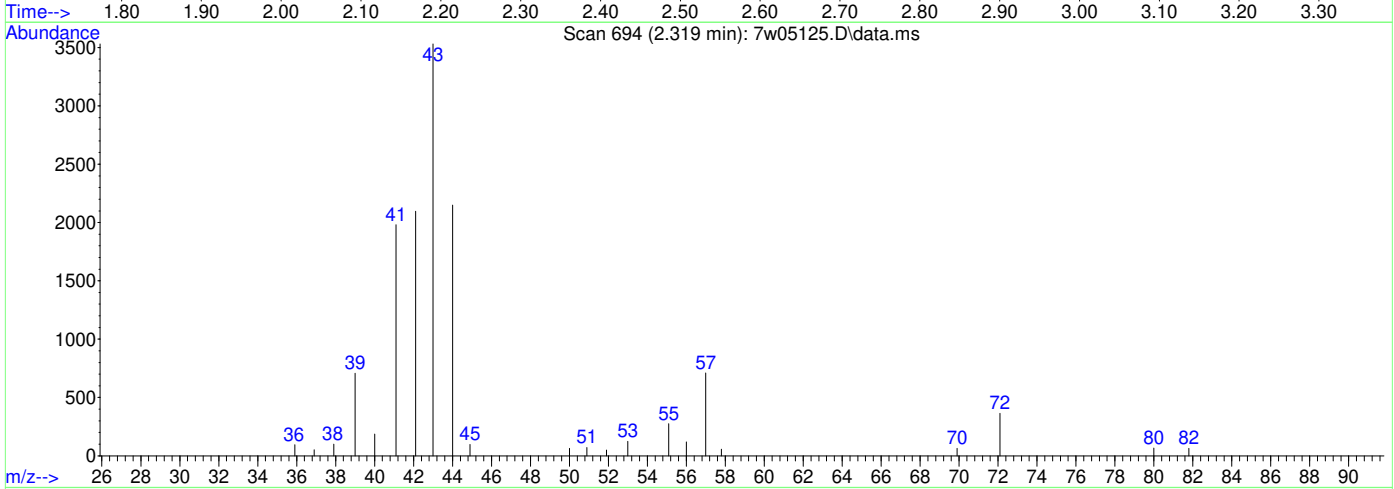
Ion	Exp%	Act%
91.00	100	100
106.10	23.90	27.73
105.10	11.10	10.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05125.D
Acq On : 3 Mar 2024 3:15 am
Operator : williamc
Sample : ic0201-0.20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:26:07 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration





TIC: 7w05125.D\data.ms

(110) TVHC as equiv Pentane

2.319min (+0.003) 0.24PPBV m

response 11863

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 03/06/24 12:36

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05126.D
Acq On : 3 Mar 2024 3:52 am
Operator : williamc
Sample : ic0201-0.50
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 17:11:54 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.280	128	70800	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	367353	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.132	117	333281	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.280	128	70800	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.492	95	250984	10.04	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.663	65	2917	0.50	PPBV	#	100
4) CHLORODIFLUOROMETHANE	1.676	67	1246	0.50	PPBV	#	41
5) CHLOROTRIFLUOROETHENE	1.688	116	5940	0.49	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.705	85	12355	0.49	PPBV		99
7) PROPYLENE	1.685	41	4576	0.57	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.743	65	8840	0.51	PPBV		97
9) FREON 114	1.779	85	10661	0.49	PPBV		100
10) CHLOROMETHANE	1.750	52	1539	0.51	PPBV		98
11) VINYL CHLORIDE	1.811	62	5078	0.49	PPBV	#	95
12) 1,3-BUTADIENE	1.849	54	4164	0.50	PPBV		92
13) N-BUTANE	1.865	43	8102	0.53	PPBV	#	77
14) BROMOMETHANE	1.926	94	4037	0.52	PPBV		95
15) CHLOROETHANE	1.975	64	2735	0.50	PPBV		90
16) DICHLOROFLUOROMETHANE	1.997	67	9834	0.50	PPBV		99
17) ACETONITRILE	2.074	41	5217	0.54	PPBV	#	88
18) ACROLEIN	2.110	56	2674	0.53	PPBV		92
19) FREON 123	2.119	83	9821	0.50	PPBV		98
20) FREON 123A	2.135	117	5412	0.50	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.203	101	10674	0.50	PPBV		99
22) ISOPROPYL ALCOHOL	2.245	45	11877	0.55	PPBV	#	94
23) ACETONE	2.155	58	3995	0.73	PPBV		94
24) PENTANE	2.315	42	5952	0.53	PPBV		96
25) IODOMETHANE	2.377	142	10763	0.50	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.406	96	4171	0.50	PPBV		97
27) CARBON DISULFIDE	2.537	76	10757	0.49	PPBV	#	86
28) ETHANOL	2.016	45	3481	0.66	PPBV	#	93
29) BROMOETHENE	2.078	106	3926	0.50	PPBV		99
30) ACRYLONITRILE	2.293	52	4099	0.50	PPBV		99
31) METHYLENE CHLORIDE	2.441	84	4044	0.52	PPBV		99
32) 3-CHLOROPROPENE	2.483	76	2058	0.50	PPBV	#	53
33) FREON 113	2.537	151	6460	0.48	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	2.762	96	4741	0.50	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.463	59	11541	0.51	PPBV	#	11
36) METHYL TERTIARY BUTYL ...	2.885	73	14230	0.50	PPBV	#	90
37) TETRAHYDROFURAN	3.595	72	2462	0.49	PPBV		96
38) HEXANE	3.332	57	10009	0.50	PPBV		97
39) VINYL ACETATE	2.910	86	1127	0.46	PPBV	#	32
40) 1,1-DICHLOROETHANE	2.840	63	9802	0.49	PPBV		98
41) METHYL ETHYL KETONE	3.023	72	2736	0.52	PPBV		88
42) CIS-1,2-DICHLOROETHENE	3.203	96	5220	0.51	PPBV		95
43) DIISOPROPYL ETHER	3.351	59	2926	0.50	PPBV		95
44) ETHYL ACETATE	3.354	61	1746	0.48	PPBV		83
45) METHYL ACRYLATE	3.335	55	11856	0.48	PPBV	#	98
46) CHLOROFORM	3.354	83	9936	0.50	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.846	57	11979	0.50	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.926	97	8345	0.46	PPBV		100
49) CARBON TETRACHLORIDE	4.351	117	6615	0.40	PPBV		99
50) 1,2-DICHLOROETHANE	3.762	62	7905	0.50	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05126.D
Acq On : 3 Mar 2024 3:52 am
Operator : williamc
Sample : ic0201-0.50
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 17:11:54 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.238	78	15703	0.50	PPBV		99
53)	CYCLOHEXANE	4.447	84	6899	0.49	PPBV		96
54)	2,3-DIMETHYLPENTANE	4.701	71	3651	0.49	PPBV		98
55)	TRICHLOROETHENE	5.135	95	6833	0.50	PPBV		97
56)	1,2-DICHLOROPROPANE	4.901	63	6568	0.49	PPBV		99
57)	DIBROMOMETHANE	4.862	174	5989	0.50	PPBV		100
58)	ETHYL ACRYLATE	5.036	55	14379	0.46	PPBV		99
59)	BROMODICHLOROMETHANE	5.081	83	8020	0.38	PPBV		94
60)	2,2,4-TRIMETHYLPENTANE	5.229	57	33310	0.51	PPBV		99
61)	1,4-DIOXANE	5.222	88	4048	0.52	PPBV	#	1
62)	HEPTANE	5.547	43	11658	0.50	PPBV		98
63)	METHYL METHACRYLATE	5.454	69	5823	0.47	PPBV		97
64)	METHYL ISOBUTYL KETONE	6.219	58	7122	0.52	PPBV		99
65)	CIS-1,3-DICHLOROPROPENE	6.071	75	6876	0.41	PPBV		95
66)	TOLUENE	7.280	91	19173	0.50	PPBV		98
67)	1,3-DICHLOROPROPANE	7.338	76	9638	0.49	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.746	75	6028	0.41	PPBV		95
69)	1,1,2-TRICHLOROETHANE	6.907	83	5337	0.48	PPBV		98
70)	2-HEXANONE	7.904	58	12750	0.62	PPBV		100
71)	ETHYL METHACRYLATE	7.997	69	9702	0.47	PPBV		96
72)	TETRACHLOROETHENE	9.003	164	6949	0.48	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.810	129	5871	0.33	PPBV		100
74)	1,2-DIBROMOETHANE	8.148	107	9250	0.46	PPBV	#	98
75)	OCTANE	9.151	43	16290	0.50	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.219	131	4896	0.36	PPBV		98
78)	CHLOROBENZENE	10.203	112	15484	0.50	PPBV		100
79)	ETHYLBENZENE	11.090	91	25013	0.50	PPBV		99
80)	M,P-XYLENE	11.521	91	38746	1.00	PPBV		91
81)	O-XYLENE	12.457	91	20247	0.51	PPBV		95
82)	STYRENE	12.238	104	14154	0.46	PPBV		100
83)	NONANE	13.575	43	16817	0.50	PPBV		97
84)	BROMOFORM	11.331	173	5242	0.36	PPBV	#	95
85)	1,1,2,2-TETRACHLOROETHANE	12.466	83	13579	0.47	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.743	75	11066	0.47	PPBV	#	99
88)	ISOPROPYLBENZENE	13.965	120	7234	0.47	PPBV		96
89)	BROMOBENZENE	13.833	77	14384	0.49	PPBV		100
90)	2-CHLOROTOLUENE	14.968	126	6959	0.50	PPBV	#	67
91)	N-PROPYLBENZENE	15.309	120	7657	0.48	PPBV		100
92)	4-ETHYLTOLUENE	15.755	105	26596	0.46	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.009	105	22611	0.47	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.276	118	9924	0.45	PPBV		98
95)	TERT-BUTYLBENZENE	16.575	134	5858	0.49	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	16.582	105	23058	0.47	PPBV		97
97)	BENZYL CHLORIDE	16.672	91	7300	0.28	PPBV		98
98)	M-DICHLOROBENZENE	16.643	146	15078	0.47	PPBV		99
99)	P-DICHLOROBENZENE	16.733	146	15233	0.47	PPBV		99
100)	O-DICHLOROBENZENE	17.048	146	14433	0.47	PPBV		99
101)	SEC-BUTYLBENZENE	16.878	134	6919	0.48	PPBV		100
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	22917	0.46	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.067	134	7506	0.48	PPBV		99
104)	N-BUTYLBENZENE	17.424	134	6916	0.46	PPBV		99
105)	HEXACHLOROETHANE	17.604	117	3364	0.28	PPBV		96
106)	HEXACHLOROBUTADIENE	18.652	225	9715	0.48	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.344	180	10496	0.39	PPBV		98
108)	NAPHTHALENE	18.392	128	24627	0.37	PPBV		100
110)	TVHC as equiv Pentane	2.315	TIC	27707m	0.55	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05126.D
Acq On : 3 Mar 2024 3:52 am
Operator : williamc
Sample : ic0201-0.50
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 17:11:54 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

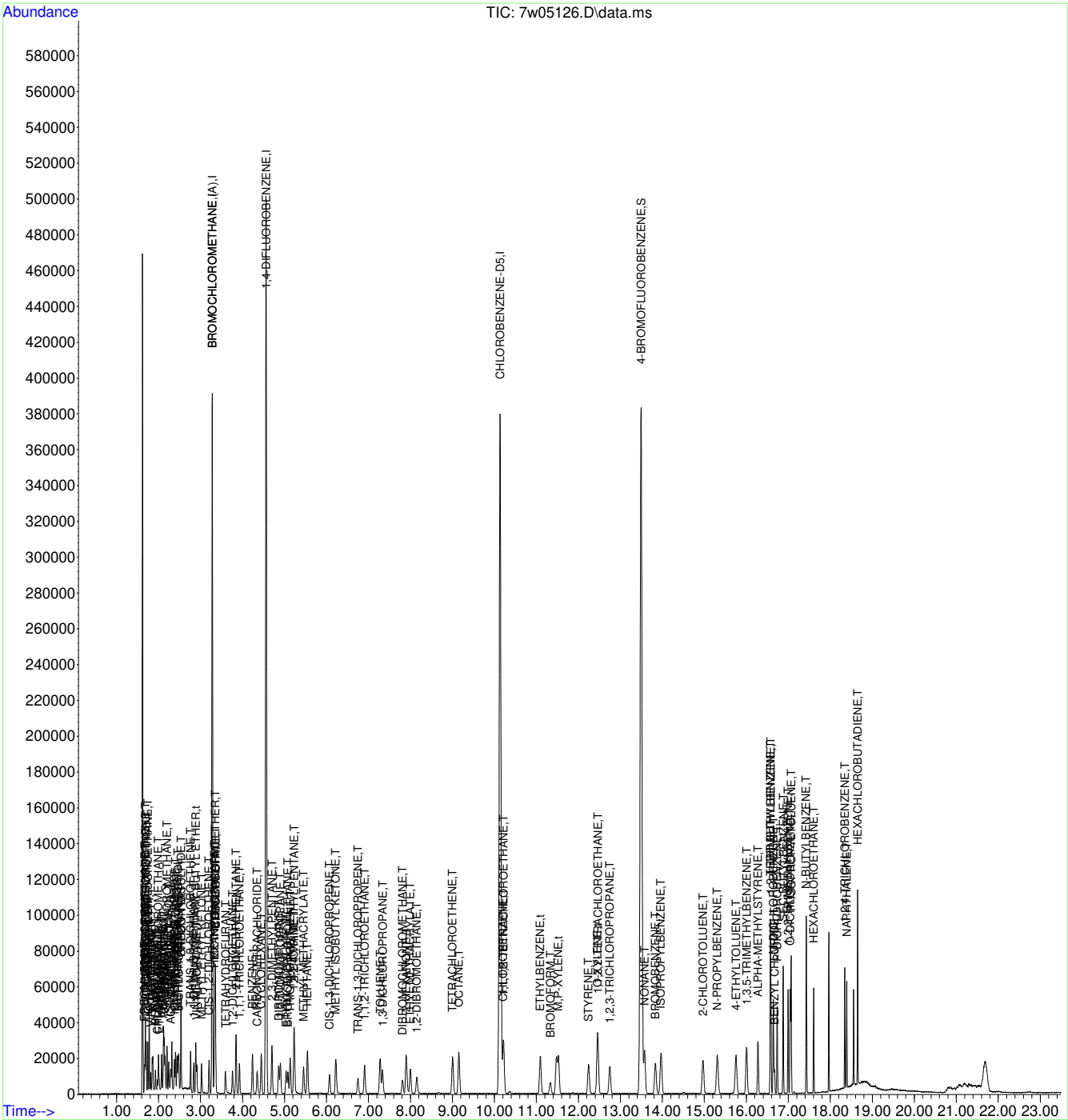
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05126.D
Acq On : 3 Mar 2024 3:52 am
Operator : williamc
Sample : ic0201-0.50
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 17:11:54 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



Manual Integration Approval Summary

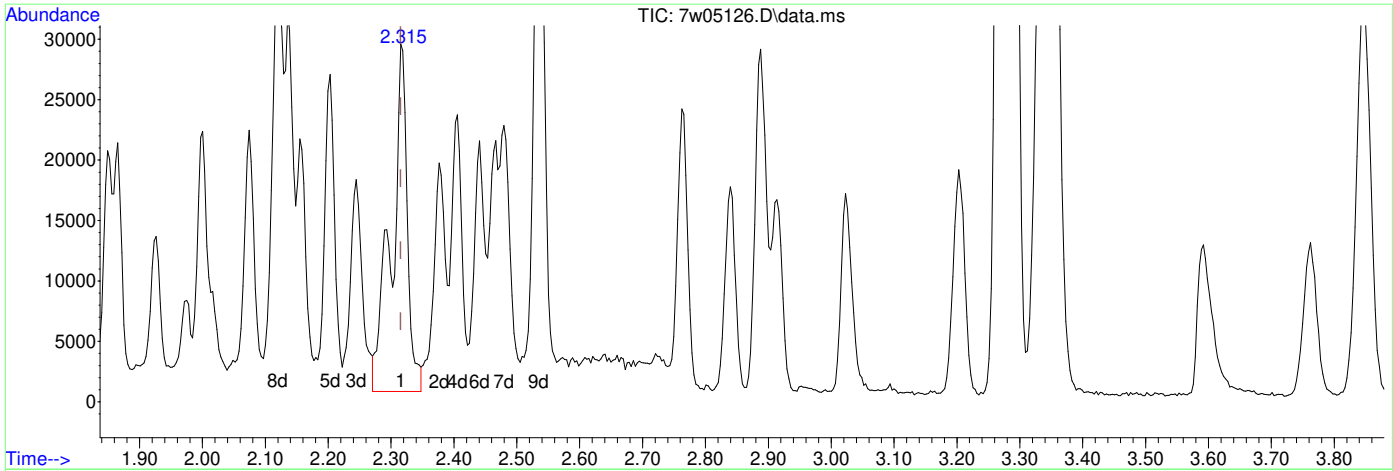
Sample Number:	V7W201-IC0201	**Method:**	TO-15
Lab FileID:	7W05126.D	**Analyst approved:**	03/06/24 12:30 Thomas Hilbig
Injection Time:	03/03/24 03:52	**Supervisor approved:**	03/06/24 12:36 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.32	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05126.D
Acq On : 3 Mar 2024 3:52 am
Operator : williamc
Sample : ic0201-0.50
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:26:26 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05126.D\data.ms

(110) TVHC as equiv Pentane

2.315min (-0.000) 0.98PPBV

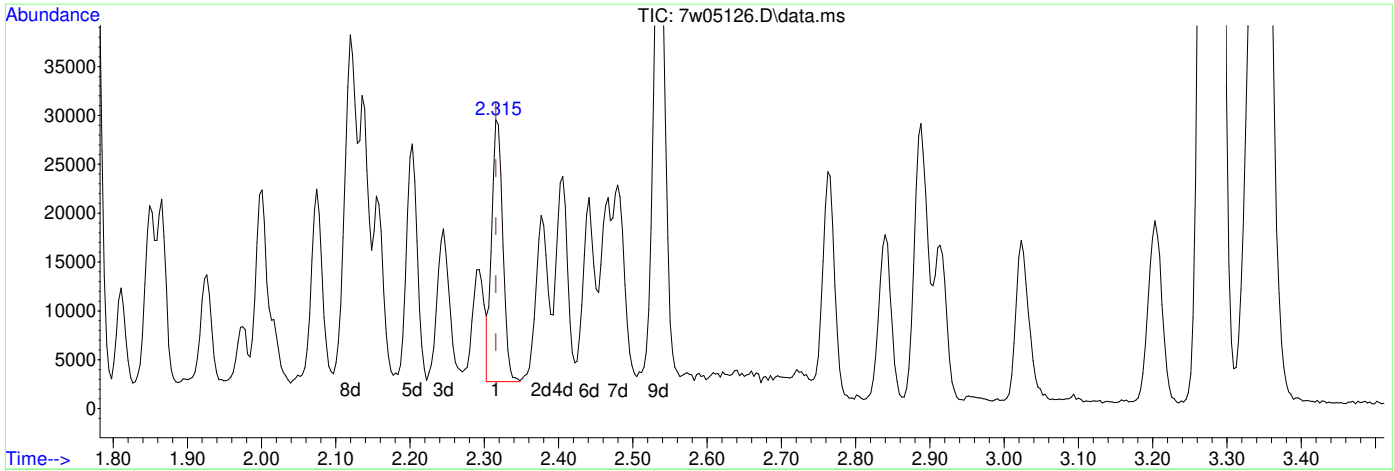
response 49822

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05126.D
Acq On : 3 Mar 2024 3:52 am
Operator : williamc
Sample : ic0201-0.50
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:30:21 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05126.D\data.ms

(110) TVHC as equiv Pentane

2.315min (-0.000) 0.55PPBV m

response 27707

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05127.D
Acq On : 3 Mar 2024 4:26 am
Operator : williamc
Sample : ic0201-5
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:30:57 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.280	128	69071	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.560	114	355785	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.135	117	326082	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.280	128	69071	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.492	95	246021	10.06	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.660	65	29189	5.08	PPBV	#	100
4) CHLORODIFLUOROMETHANE	1.672	67	12611	5.19	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.685	116	60459	5.16	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.701	85	125601	5.16	PPBV		100
7) PROPYLENE	1.682	41	40388	5.15	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.740	65	87179	5.14	PPBV		100
9) FREON 114	1.775	85	107241	5.10	PPBV		99
10) CHLOROMETHANE	1.746	52	15366	5.19	PPBV		98
11) VINYL CHLORIDE	1.807	62	52058	5.17	PPBV		100
12) 1,3-BUTADIENE	1.846	54	41997	5.18	PPBV		98
13) N-BUTANE	1.862	43	78348	5.23	PPBV		99
14) BROMOMETHANE	1.920	94	39129	5.18	PPBV		99
15) CHLOROETHANE	1.971	64	27146	5.07	PPBV		91
16) DICHLOROFLUOROMETHANE	1.994	67	99014	5.15	PPBV		100
17) ACETONITRILE	2.065	41	49471	5.25	PPBV		100
18) ACROLEIN	2.106	56	26083	5.25	PPBV		97
19) FREON 123	2.116	83	99091	5.14	PPBV		100
20) FREON 123A	2.132	117	55230	5.18	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.200	101	108259	5.15	PPBV		99
22) ISOPROPYL ALCOHOL	2.229	45	112338	5.33	PPBV		100
23) ACETONE	2.148	58	28345	5.31	PPBV		100
24) PENTANE	2.312	42	55996	5.14	PPBV		98
25) IODOMETHANE	2.373	142	108482	5.17	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.402	96	42196	5.18	PPBV		99
27) CARBON DISULFIDE	2.534	76	109678	5.11	PPBV		100
28) ETHANOL	2.007	45	27335	5.28	PPBV		99
29) BROMOETHENE	2.071	106	39166	5.12	PPBV		100
30) ACRYLONITRILE	2.287	52	40477	5.10	PPBV		99
31) METHYLENE CHLORIDE	2.438	84	38852	5.17	PPBV		100
32) 3-CHLOROPROPENE	2.479	76	20579	5.07	PPBV		95
33) FREON 113	2.534	151	67188	5.16	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.762	96	47054	5.13	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.441	59	114745	5.15	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.878	73	143391	5.19	PPBV		97
37) TETRAHYDROFURAN	3.573	72	25338	5.17	PPBV		99
38) HEXANE	3.332	57	99651	5.12	PPBV		98
39) VINYL ACETATE	2.914	86	11844	4.97	PPBV	#	98
40) 1,1-DICHLOROETHANE	2.840	63	100210	5.16	PPBV		100
41) METHYL ETHYL KETONE	3.013	72	26368	5.09	PPBV		97
42) CIS-1,2-DICHLOROETHENE	3.203	96	51559	5.18	PPBV		100
43) DIISOPROPYL ETHER	3.341	59	29336	5.13	PPBV		96
44) ETHYL ACETATE	3.344	61	18189	5.10	PPBV		95
45) METHYL ACRYLATE	3.332	55	121894	5.10	PPBV	#	100
46) CHLOROFORM	3.354	83	100565	5.15	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.849	57	121159	5.19	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.926	97	89384	5.02	PPBV		100
49) CARBON TETRACHLORIDE	4.351	117	76484	4.68	PPBV		100
50) 1,2-DICHLOROETHANE	3.762	62	78941	5.16	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05127.D
Acq On : 3 Mar 2024 4:26 am
Operator : williamc
Sample : ic0201-5
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:30:57 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.238	78	156469	5.15	PPBV		99
53)	CYCLOHEXANE	4.444	84	69849	5.11	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.701	71	37018	5.12	PPBV		100
55)	TRICHLOROETHENE	5.135	95	67490	5.09	PPBV		99
56)	1,2-DICHLOROPROPANE	4.904	63	66897	5.14	PPBV		100
57)	DIBROMOMETHANE	4.862	174	58359	5.07	PPBV		99
58)	ETHYL ACRYLATE	5.026	55	153466	5.10	PPBV		100
59)	BROMODICHLOROMETHANE	5.081	83	97877	4.84	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.232	57	335868	5.30	PPBV		99
61)	1,4-DIOXANE	5.171	88	40276	5.33	PPBV	#	87
62)	HEPTANE	5.547	43	117357	5.17	PPBV		99
63)	METHYL METHACRYLATE	5.447	69	61529	5.10	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.200	58	70179	5.25	PPBV		99
65)	CIS-1,3-DICHLOROPROPENE	6.071	75	78796	4.83	PPBV		98
66)	TOLUENE	7.277	91	189754	5.10	PPBV		99
67)	1,3-DICHLOROPROPANE	7.335	76	97387	5.11	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.753	75	65937	4.68	PPBV		98
69)	1,1,2-TRICHLOROETHANE	6.910	83	54841	5.06	PPBV		100
70)	2-HEXANONE	7.878	58	107970	5.43	PPBV		99
71)	ETHYL METHACRYLATE	7.987	69	101425	5.05	PPBV		99
72)	TETRACHLOROETHENE	9.007	164	71298	5.08	PPBV		100
73)	DIBROMOCHLOROMETHANE	7.814	129	78321	4.53	PPBV		99
74)	1,2-DIBROMOETHANE	8.151	107	98415	5.01	PPBV		100
75)	OCTANE	9.154	43	164316	5.19	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.222	131	62224	4.70	PPBV		100
78)	CHLOROBENZENE	10.209	112	156204	5.15	PPBV		99
79)	ETHYLBENZENE	11.093	91	253426	5.17	PPBV		100
80)	M,P-XYLENE	11.524	91	395274	10.39	PPBV		97
81)	O-XYLENE	12.460	91	201539	5.18	PPBV		98
82)	STYRENE	12.244	104	152358	5.05	PPBV		99
83)	NONANE	13.579	43	170293	5.21	PPBV		99
84)	BROMOFORM	11.331	173	66157	4.70	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.466	83	143820	5.06	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.746	75	117908	5.13	PPBV		100
88)	ISOPROPYLBENZENE	13.974	120	76765	5.14	PPBV		99
89)	BROMOBENZENE	13.833	77	147735	5.16	PPBV		100
90)	2-CHLOROTOLUENE	14.971	126	69302	5.10	PPBV		100
91)	N-PROPYLBENZENE	15.312	120	79770	5.15	PPBV		99
92)	4-ETHYLTOLUENE	15.752	105	289266	5.09	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.006	105	242916	5.13	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.276	118	110386	5.06	PPBV		100
95)	TERT-BUTYLBENZENE	16.575	134	59790	5.15	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.585	105	249326	5.14	PPBV		99
97)	BENZYL CHLORIDE	16.672	91	105712	4.19	PPBV		99
98)	M-DICHLOROBENZENE	16.646	146	159255	5.10	PPBV		100
99)	P-DICHLOROBENZENE	16.736	146	160755	5.07	PPBV		99
100)	O-DICHLOROBENZENE	17.048	146	151177	5.04	PPBV		100
101)	SEC-BUTYLBENZENE	16.878	134	72861	5.17	PPBV		98
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	247005	5.10	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.067	134	80352	5.22	PPBV		98
104)	N-BUTYLBENZENE	17.427	134	75995	5.12	PPBV		99
105)	HEXACHLOROETHANE	17.604	117	50224	4.22	PPBV		100
106)	HEXACHLOROBUTADIENE	18.649	225	97247	4.91	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.341	180	126931	4.76	PPBV		99
108)	NAPHTHALENE	18.389	128	299683	4.65	PPBV		100
110)	TVHC as equiv Pentane	2.312	TIC	269213	5.44	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05127.D
Acq On : 3 Mar 2024 4:26 am
Operator : williamc
Sample : ic0201-5
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:30:57 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

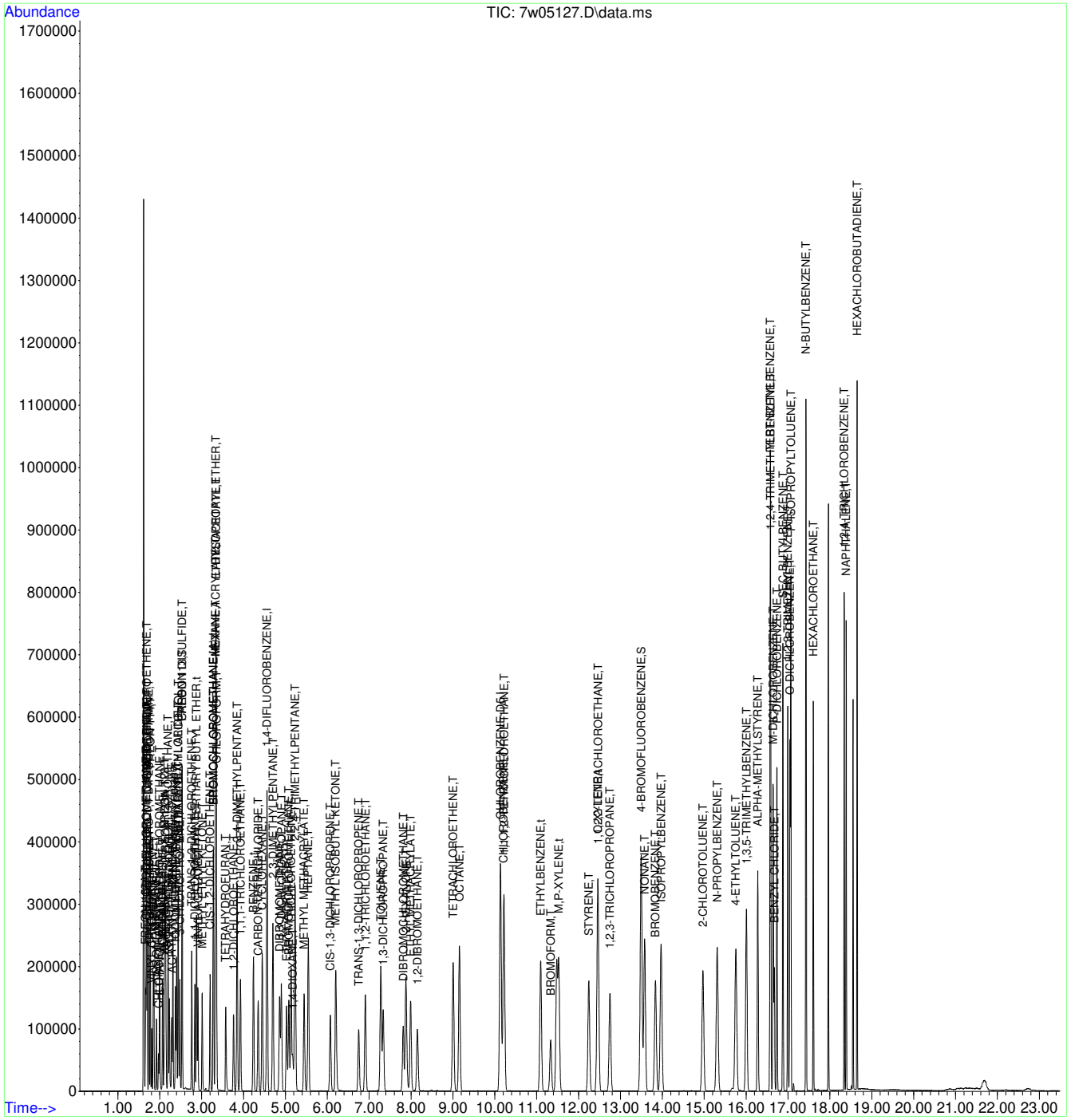
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05127.D
Acq On : 3 Mar 2024 4:26 am
Operator : williamc
Sample : ic0201-5
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:30:57 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 03/07/24 10:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05128.D
Acq On : 3 Mar 2024 5:02 am
Operator : williamc
Sample : icc0201-10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 10:43:13 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.280	128	69747	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	356658	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.135	117	330794	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.280	128	69747	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.495	95	248080	10.00	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.663	65	58059m	10.02	PPBV		
4) CHLORODIFLUOROMETHANE	1.676	67	24541	9.82	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.689	116	118400	9.82	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.705	85	245959	10.00	PPBV		100
7) PROPYLENE	1.685	41	79254	8.93	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.743	65	171372	9.91	PPBV		100
9) FREON 114	1.779	85	212331	10.02	PPBV		100
10) CHLOROMETHANE	1.746	52	29877	9.81	PPBV		100
11) VINYL CHLORIDE	1.811	62	101709	10.09	PPBV		100
12) 1,3-BUTADIENE	1.849	54	81829	9.89	PPBV		100
13) N-BUTANE	1.865	43	151394	9.24	PPBV		100
14) BROMOMETHANE	1.923	94	76302	9.80	PPBV		100
15) CHLOROETHANE	1.972	64	54107	10.00	PPBV		100
16) DICHLOROFLUOROMETHANE	1.997	67	194184	10.09	PPBV		100
17) ACETONITRILE	2.068	41	95141	8.85	PPBV		100
18) ACROLEIN	2.107	56	50160	9.30	PPBV		100
19) FREON 123	2.119	83	194780	9.92	PPBV		100
20) FREON 123A	2.136	117	107623	9.99	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.200	101	212246	10.03	PPBV		100
22) ISOPROPYL ALCOHOL	2.229	45	212780	9.17	PPBV		100
23) ACETONE	2.148	58	53878	8.58	PPBV		100
24) PENTANE	2.316	42	109924	9.41	PPBV		100
25) IODOMETHANE	2.377	142	211932	10.10	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.406	96	82248	9.91	PPBV		100
27) CARBON DISULFIDE	2.537	76	216612	10.13	PPBV		100
28) ETHANOL	2.007	45	52280	9.81	PPBV		100
29) BROMOETHENE	2.074	106	77286	9.98	PPBV		100
30) ACRYLONITRILE	2.287	52	80185	10.01	PPBV		100
31) METHYLENE CHLORIDE	2.441	84	75902	9.71	PPBV		100
32) 3-CHLOROPROPENE	2.480	76	40956	10.02	PPBV		100
33) FREON 113	2.534	151	131589	10.01	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.763	96	92654	9.84	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.431	59	224811	9.97	PPBV		100
36) METHYL TERTIARY BUTYL ...	2.878	73	278942	9.96	PPBV		100
37) TETRAHYDROFURAN	3.570	72	49489	10.02	PPBV		100
38) HEXANE	3.332	57	196707	10.10	PPBV		100
39) VINYL ACETATE	2.914	86	24069	9.73	PPBV		100
40) 1,1-DICHLOROETHANE	2.840	63	196187	10.13	PPBV		100
41) METHYL ETHYL KETONE	3.010	72	52291	9.94	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.203	96	100588	9.87	PPBV		100
43) DIISOPROPYL ETHER	3.338	59	57775	9.95	PPBV		100
44) ETHYL ACETATE	3.344	61	36044	10.51	PPBV		100
45) METHYL ACRYLATE	3.328	55	241519	10.18	PPBV	#	100
46) CHLOROFORM	3.354	83	197232	10.07	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.846	57	235713	10.05	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.926	97	179650	10.15	PPBV		100
49) CARBON TETRACHLORIDE	4.351	117	164960	10.31	PPBV		100
50) 1,2-DICHLOROETHANE	3.762	62	154460	10.09	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05128.D
Acq On : 3 Mar 2024 5:02 am
Operator : williamc
Sample : icc0201-10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 10:43:13 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.238	78	306569	9.82	PPBV	100
53)	CYCLOHEXANE	4.447	84	136893	10.05	PPBV	100
54)	2,3-DIMETHYLPENTANE	4.701	71	72471	10.02	PPBV	100
55)	TRICHLOROETHENE	5.139	95	132940	10.08	PPBV	100
56)	1,2-DICHLOROPROPANE	4.904	63	130503	10.05	PPBV	100
57)	DIBROMOMETHANE	4.862	174	115389	9.60	PPBV	100
58)	ETHYL ACRYLATE	5.023	55	301458	10.29	PPBV	100
59)	BROMODICHLOROMETHANE	5.084	83	202593	10.95	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.232	57	634819	10.00	PPBV	100
61)	1,4-DIOXANE	5.161	88	75711	10.03	PPBV	100
62)	HEPTANE	5.547	43	227695	10.13	PPBV	100
63)	METHYL METHACRYLATE	5.447	69	120875	10.03	PPBV	100
64)	METHYL ISOBUTYL KETONE	6.193	58	133985	10.09	PPBV	100
65)	CIS-1,3-DICHLOROPROPENE	6.071	75	163427	10.45	PPBV	100
66)	TOLUENE	7.277	91	372905	9.96	PPBV	100
67)	1,3-DICHLOROPROPANE	7.338	76	191135	10.15	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.753	75	141220	10.24	PPBV	100
69)	1,1,2-TRICHLOROETHANE	6.910	83	108696	10.05	PPBV	100
70)	2-HEXANONE	7.868	58	199374	9.05	PPBV	100
71)	ETHYL METHACRYLATE	7.987	69	201155	10.48	PPBV	100
72)	TETRACHLOROETHENE	9.007	164	140784	10.00	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.814	129	173473	10.35	PPBV	100
74)	1,2-DIBROMOETHANE	8.155	107	197073	10.61	PPBV	100
75)	OCTANE	9.155	43	317476	10.09	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.225	131	134219	10.51	PPBV	100
78)	CHLOROBENZENE	10.212	112	307581	10.01	PPBV	100
79)	ETHYLBENZENE	11.093	91	497071	10.03	PPBV	100
80)	M,P-XYLENE	11.527	91	771960	20.11	PPBV	100
81)	O-XYLENE	12.457	91	394687	10.11	PPBV	100
82)	STYRENE	12.248	104	305919	10.60	PPBV	100
83)	NONANE	13.579	43	331394	10.12	PPBV	100
84)	BROMOFORM	11.335	173	142741	9.97	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.470	83	288559	10.26	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.752	75	233133	10.33	PPBV	100
88)	ISOPROPYLBENZENE	13.968	120	151613	10.22	PPBV	100
89)	BROMOBENZENE	13.836	77	290282	10.17	PPBV	100
90)	2-CHLOROTOLUENE	14.971	126	137881	10.06	PPBV	100
91)	N-PROPYLBENZENE	15.309	120	157264	10.19	PPBV	100
92)	4-ETHYLTOLUENE	15.756	105	576389	10.49	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	16.010	105	480401	10.41	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.280	118	221216	10.81	PPBV	100
95)	TERT-BUTYLBENZENE	16.575	134	117731	10.17	PPBV	100
96)	1,2,4-TRIMETHYLBENZENE	16.585	105	491885	10.50	PPBV	100
97)	BENZYL CHLORIDE	16.675	91	255693	10.24	PPBV	100
98)	M-DICHLOROBENZENE	16.646	146	317043	10.15	PPBV	100
99)	P-DICHLOROBENZENE	16.736	146	321398	10.25	PPBV	100
100)	O-DICHLOROBENZENE	17.048	146	304162	10.15	PPBV	100
101)	SEC-BUTYLBENZENE	16.881	134	142959	10.09	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	16.997	105	491575	10.37	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.071	134	156212	10.08	PPBV	100
104)	N-BUTYLBENZENE	17.427	134	150668	10.18	PPBV	100
105)	HEXACHLOROETHANE	17.604	117	120608	10.12	PPBV	100
106)	HEXACHLOROBUTADIENE	18.653	225	200799	9.71	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.344	180	270341	9.73	PPBV	100
108)	NAPHTHALENE	18.389	128	653652	9.39	PPBV	100
110)	TVHC as equiv Pentane	2.316	TIC	499739	9.35	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05128.D
Acq On : 3 Mar 2024 5:02 am
Operator : williamc
Sample : icc0201-10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 10:43:13 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

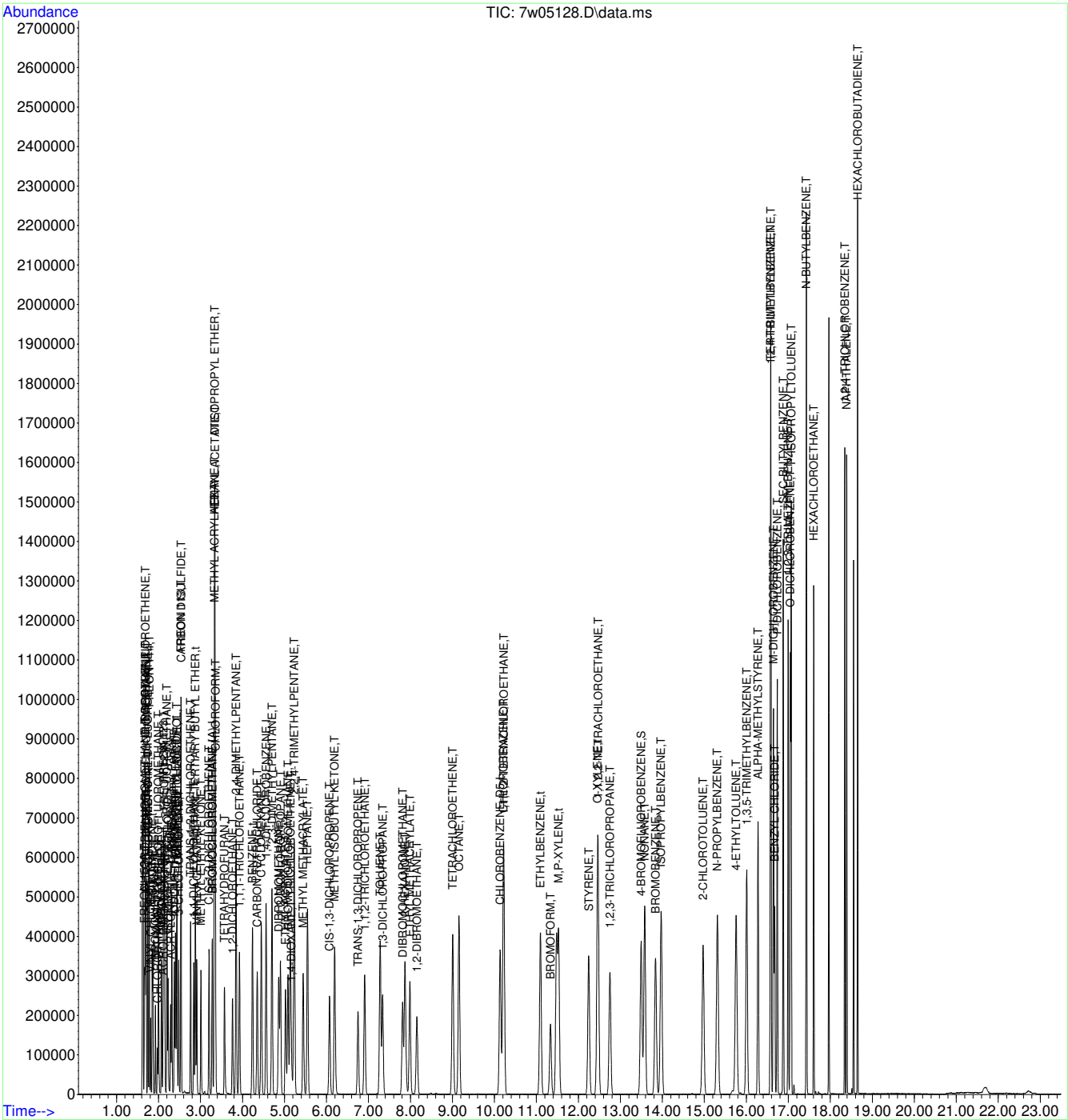
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05128.D
Acq On : 3 Mar 2024 5:02 am
Operator : williamc
Sample : icc0201-10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 10:43:13 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



Manual Integration Approval Summary

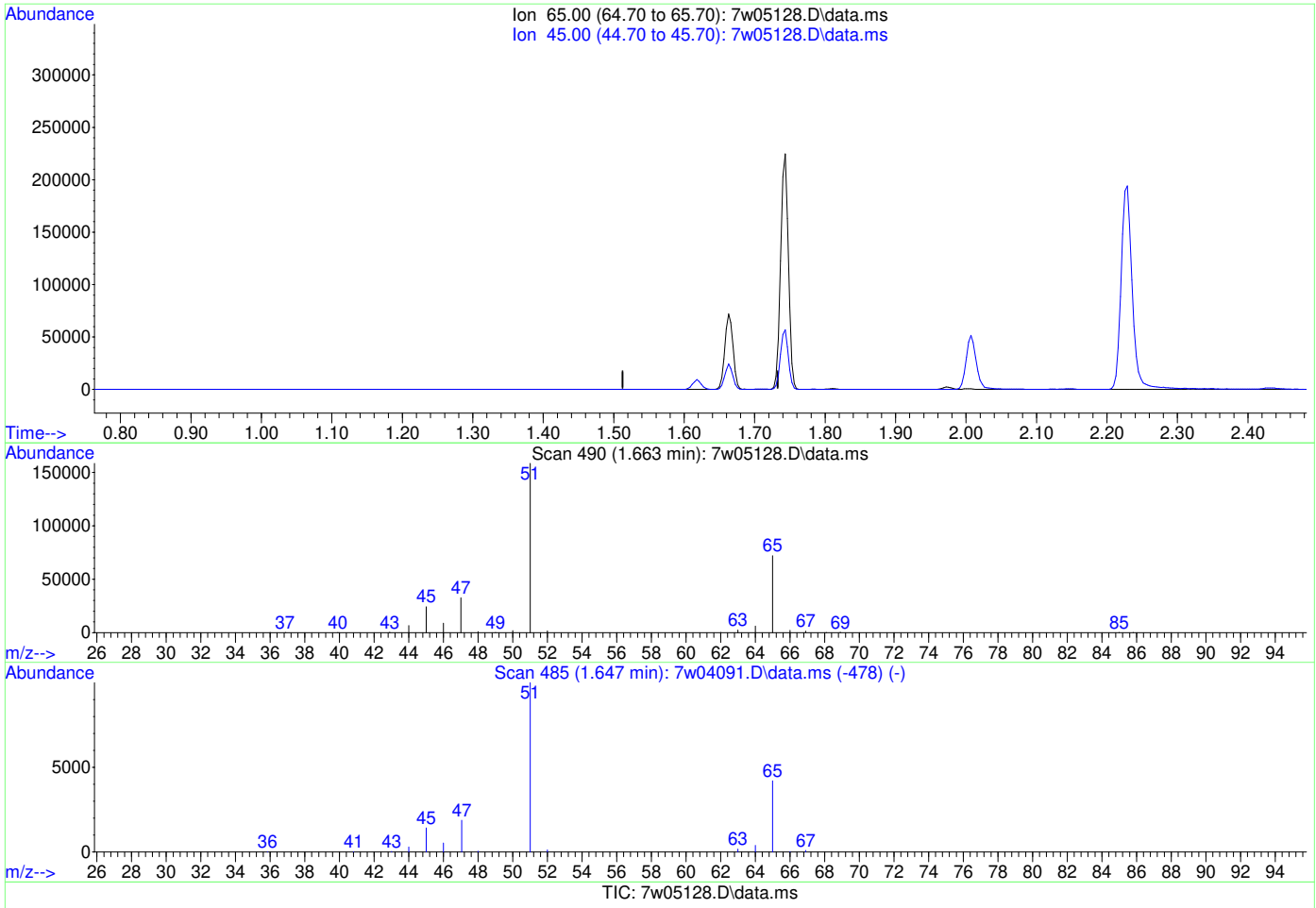
Sample Number:	V7W201-ICC0201	**Method:**	TO-15
Lab FileID:	7W05128.D	**Analyst approved:**	03/05/24 14:13 Taylor Sauter
Injection Time:	03/03/24 05:02	**Supervisor approved:**	03/07/24 10:15 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.66	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05128.D
Acq On : 3 Mar 2024 5:02 am
Operator : williamc
Sample : icc0201-10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 06 07:12:26 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



TIC: 7w05128.D\data.ms

(3) FREON 152A (T)

1.663min (-1.663) 0.00PPBV

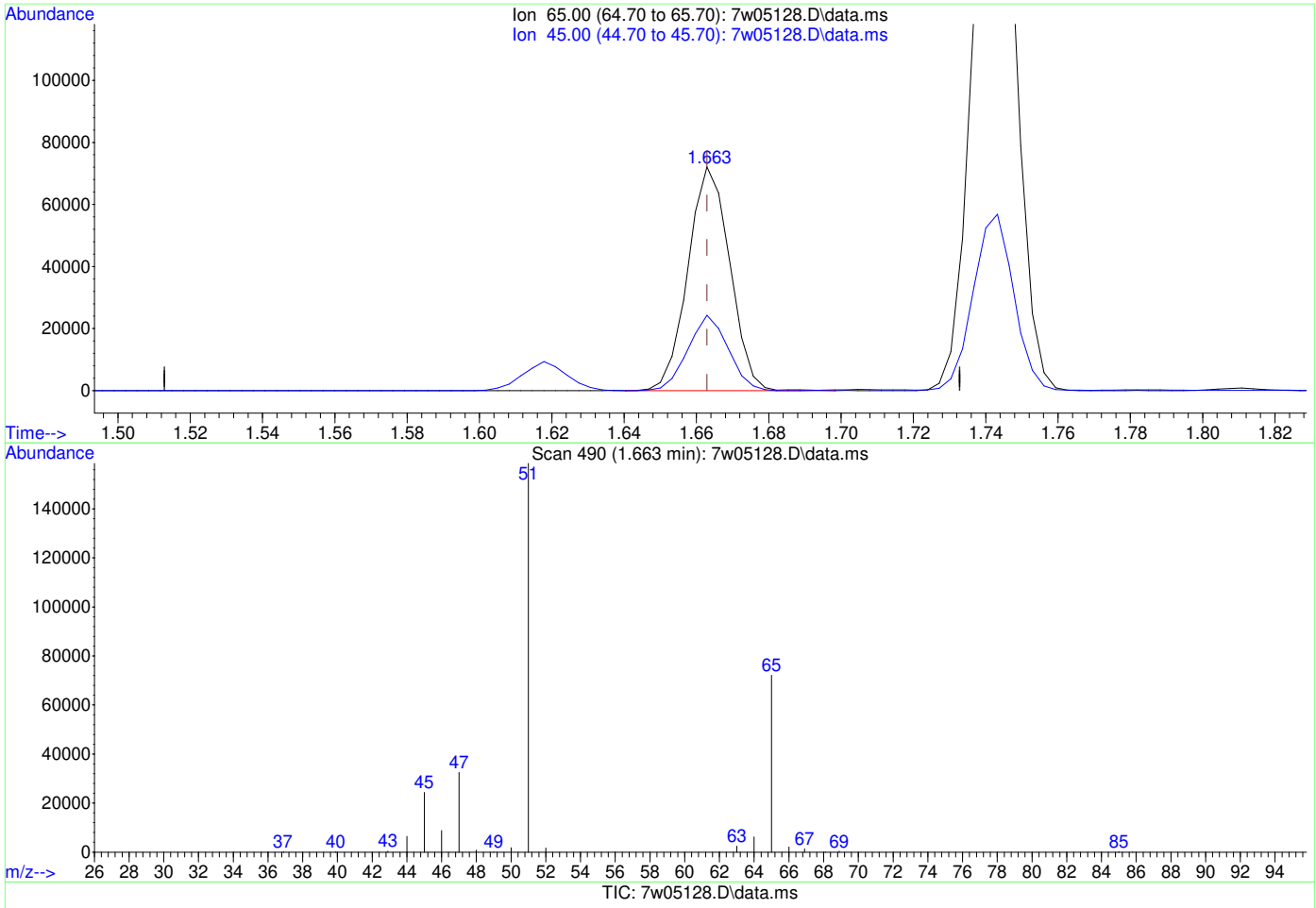
response 0

Ion	Exp%	Act%
65.00	100	0.00
45.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05128.D
Acq On : 3 Mar 2024 5:02 am
Operator : williamc
Sample : icc0201-10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 10:43:13 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



TIC: 7w05128.D\data.ms

(3) FREON 152A (T)

1.663min (0.000) 10.02PPBV m

response 58059

Ion	Exp%	Act%
65.00	100	100
45.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

7W05129.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 03/06/24 12:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05129.D
Acq On : 3 Mar 2024 5:38 am
Operator : williamc
Sample : ic0201-20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:33:51 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.280	128	68582	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	348978	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.138	117	322148	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.280	128	68584	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.495	95	245736	10.17	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.663	65	111080m	19.47	PPBV		
4) CHLORODIFLUOROMETHANE	1.673	67	47348	19.62	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.685	116	231391	19.88	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.701	85	476511	19.70	PPBV		99
7) PROPYLENE	1.682	41	151955	19.50	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.740	65	329841	19.57	PPBV		99
9) FREON 114	1.775	85	411124	19.69	PPBV		99
10) CHLOROMETHANE	1.746	52	56417	19.20	PPBV		99
11) VINYL CHLORIDE	1.808	62	196044	19.60	PPBV		100
12) 1,3-BUTADIENE	1.846	54	155854	19.37	PPBV		100
13) N-BUTANE	1.862	43	287655	19.32	PPBV		99
14) BROMOMETHANE	1.923	94	147993	19.73	PPBV		99
15) CHLOROETHANE	1.972	64	103615	19.48	PPBV		91
16) DICHLOROFLUOROMETHANE	1.997	67	374800	19.63	PPBV		100
17) ACETONITRILE	2.065	41	180394	19.28	PPBV		99
18) ACROLEIN	2.103	56	97102	19.69	PPBV		98
19) FREON 123	2.116	83	374352	19.55	PPBV		100
20) FREON 123A	2.136	117	206979	19.56	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.200	101	407780	19.54	PPBV		100
22) ISOPROPYL ALCOHOL	2.222	45	402277	19.23	PPBV		100
23) ACETONE	2.142	58	101388	19.14	PPBV		100
24) PENTANE	2.316	42	208050	19.25	PPBV		99
25) IODOMETHANE	2.377	142	410841	19.71	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.402	96	157274	19.45	PPBV		100
27) CARBON DISULFIDE	2.537	76	419845	19.71	PPBV		99
28) ETHANOL	2.004	45	95431	18.56	PPBV		99
29) BROMOETHENE	2.071	106	149504	19.67	PPBV		100
30) ACRYLONITRILE	2.287	52	153237	19.44	PPBV		100
31) METHYLENE CHLORIDE	2.441	84	146249	19.60	PPBV		100
32) 3-CHLOROPROPENE	2.480	76	80595	20.01	PPBV		96
33) FREON 113	2.534	151	254515	19.67	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.766	96	178859	19.63	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.425	59	433416	19.61	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.875	73	541843	19.75	PPBV		100
37) TETRAHYDROFURAN	3.566	72	96078	19.74	PPBV		99
38) HEXANE	3.332	57	375139	19.39	PPBV		99
39) VINYL ACETATE	2.910	86	49967	21.11	PPBV		92
40) 1,1-DICHLOROETHANE	2.840	63	377979	19.59	PPBV		100
41) METHYL ETHYL KETONE	3.007	72	101247	19.69	PPBV		97
42) CIS-1,2-DICHLOROETHENE	3.203	96	195194	19.73	PPBV		99
43) DIISOPROPYL ETHER	3.338	59	109956	19.36	PPBV		99
44) ETHYL ACETATE	3.341	61	69863	19.71	PPBV		96
45) METHYL ACRYLATE	3.328	55	468443	19.73	PPBV	#	100
46) CHLOROFORM	3.354	83	381421	19.67	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.849	57	452921	19.54	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.926	97	359461	20.35	PPBV		99
49) CARBON TETRACHLORIDE	4.351	117	346077	21.34	PPBV		100
50) 1,2-DICHLOROETHANE	3.763	62	297688	19.60	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05129.D
Acq On : 3 Mar 2024 5:38 am
Operator : williamc
Sample : ic0201-20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:33:51 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.238	78	588886	19.54	PPBV	100
53)	CYCLOHEXANE	4.447	84	264819	19.77	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.705	71	139113	19.62	PPBV	100
55)	TRICHLOROETHENE	5.139	95	256398	19.71	PPBV	99
56)	1,2-DICHLOROPROPANE	4.904	63	253208	19.83	PPBV	99
57)	DIBROMOMETHANE	4.865	174	224525	19.89	PPBV	100
58)	ETHYL ACRYLATE	5.023	55	588945	19.97	PPBV	100
59)	BROMODICHLOROMETHANE	5.084	83	405763	20.47	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.232	57	1212112	19.51	PPBV	100
61)	1,4-DIOXANE	5.155	88	141663	19.12	PPBV	97
62)	HEPTANE	5.550	43	433440	19.45	PPBV	99
63)	METHYL METHACRYLATE	5.447	69	234606	19.84	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.187	58	249874	19.06	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	6.074	75	331569	20.73	PPBV	99
66)	TOLUENE	7.280	91	720150	19.74	PPBV	100
67)	1,3-DICHLOROPROPANE	7.338	76	369836	19.78	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.753	75	294994	21.35	PPBV	99
69)	1,1,2-TRICHLOROETHANE	6.910	83	210396	19.78	PPBV	100
70)	2-HEXANONE	7.865	58	376205	19.28	PPBV	99
71)	ETHYL METHACRYLATE	7.987	69	392689	19.95	PPBV	100
72)	TETRACHLOROETHENE	9.010	164	276878	20.10	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.814	129	370551	21.83	PPBV	100
74)	1,2-DIBROMOETHANE	8.158	107	389067	20.18	PPBV	100
75)	OCTANE	9.158	43	610388	19.65	PPBV	99
77)	1,1,1,2-TETRACHLOROETHANE	10.228	131	281961	21.57	PPBV	99
78)	CHLOROBENZENE	10.216	112	597307	19.94	PPBV	99
79)	ETHYLBENZENE	11.100	91	965539	19.95	PPBV	100
80)	M,P-XYLENE	11.527	91	1493614	39.74	PPBV	100
81)	O-XYLENE	12.460	91	761291	19.81	PPBV	97
82)	STYRENE	12.248	104	594904	19.97	PPBV	100
83)	NONANE	13.585	43	636295	19.72	PPBV	99
84)	BROMOFORM	11.338	173	316086	22.74	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.476	83	563964	20.07	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.756	75	447524	19.71	PPBV	100
88)	ISOPROPYLBENZENE	13.978	120	292612	19.82	PPBV	99
89)	BROMOBENZENE	13.842	77	561103	19.85	PPBV	99
90)	2-CHLOROTOLUENE	14.974	126	268123	19.97	PPBV	100
91)	N-PROPYLBENZENE	15.315	120	308169	20.12	PPBV	99
92)	4-ETHYLTOLUENE	15.759	105	1124906	20.04	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	16.013	105	942578	20.15	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.280	118	438390	20.35	PPBV	100
95)	TERT-BUTYLBENZENE	16.579	134	227382	19.83	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.588	105	960178	20.04	PPBV	100
97)	BENZYL CHLORIDE	16.678	91	592953	23.81	PPBV	99
98)	M-DICHLOROBENZENE	16.649	146	624195	20.22	PPBV	100
99)	P-DICHLOROBENZENE	16.739	146	631382	20.17	PPBV	100
100)	O-DICHLOROBENZENE	17.051	146	603414	20.37	PPBV	100
101)	SEC-BUTYLBENZENE	16.881	134	282929	20.32	PPBV	99
102)	1,2,3-TRIMETHYLBENZENE	16.997	105	967914	20.22	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.071	134	310370	20.40	PPBV	99
104)	N-BUTYLBENZENE	17.428	134	305725	20.84	PPBV	98
105)	HEXACHLOROETHANE	17.608	117	272830	23.23	PPBV	99
106)	HEXACHLOROBUTADIENE	18.653	225	420956	21.53	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.347	180	575507	21.86	PPBV	99
108)	NAPHTHALENE	18.392	128	1414504	22.22	PPBV	100
110)	TVHC as equiv Pentane	2.316	TIC	978229	19.91	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05129.D
Acq On : 3 Mar 2024 5:38 am
Operator : williamc
Sample : ic0201-20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:33:51 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

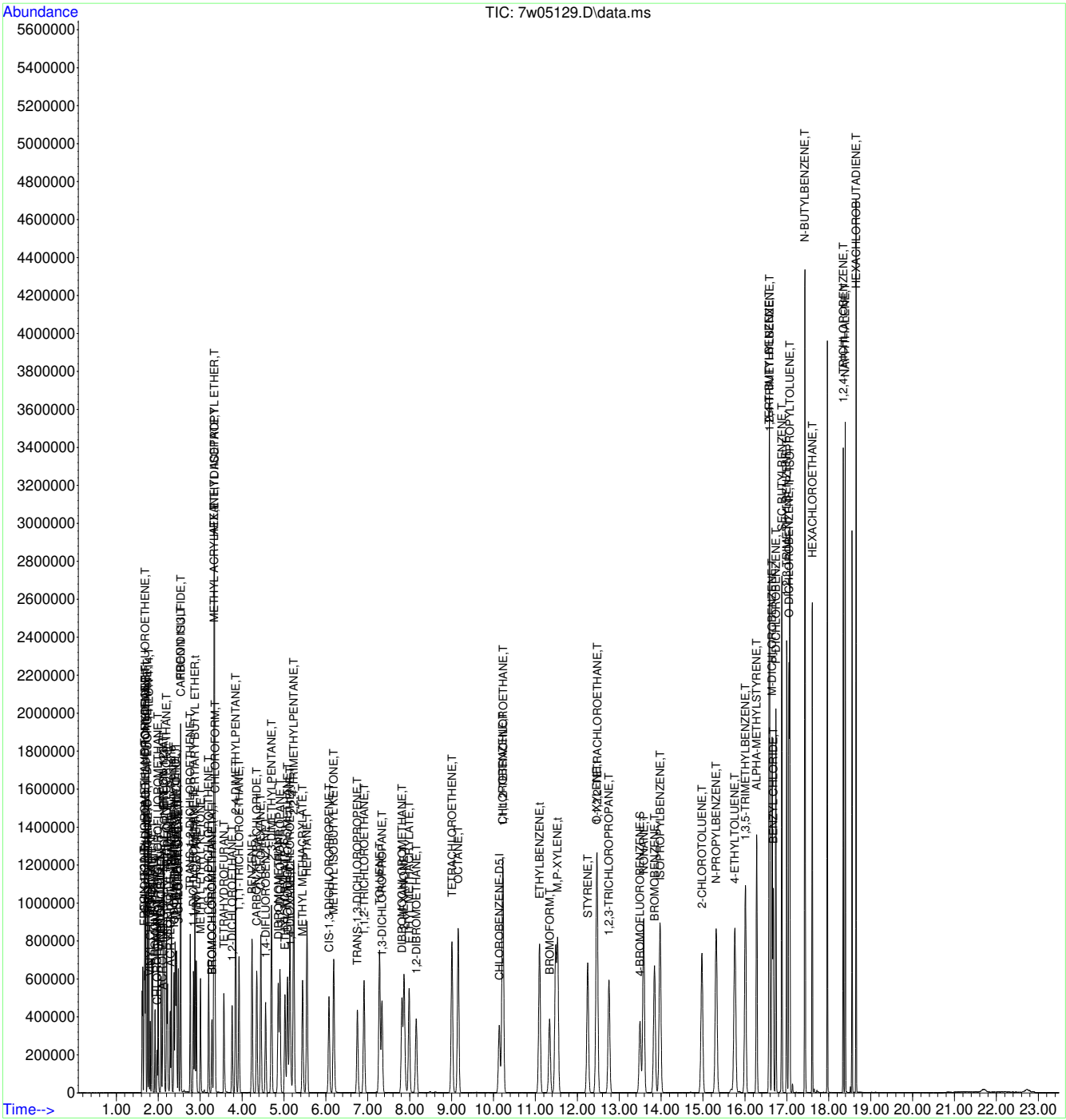
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05129.D
Acq On : 3 Mar 2024 5:38 am
Operator : williamc
Sample : ic0201-20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:33:51 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



Manual Integration Approval Summary

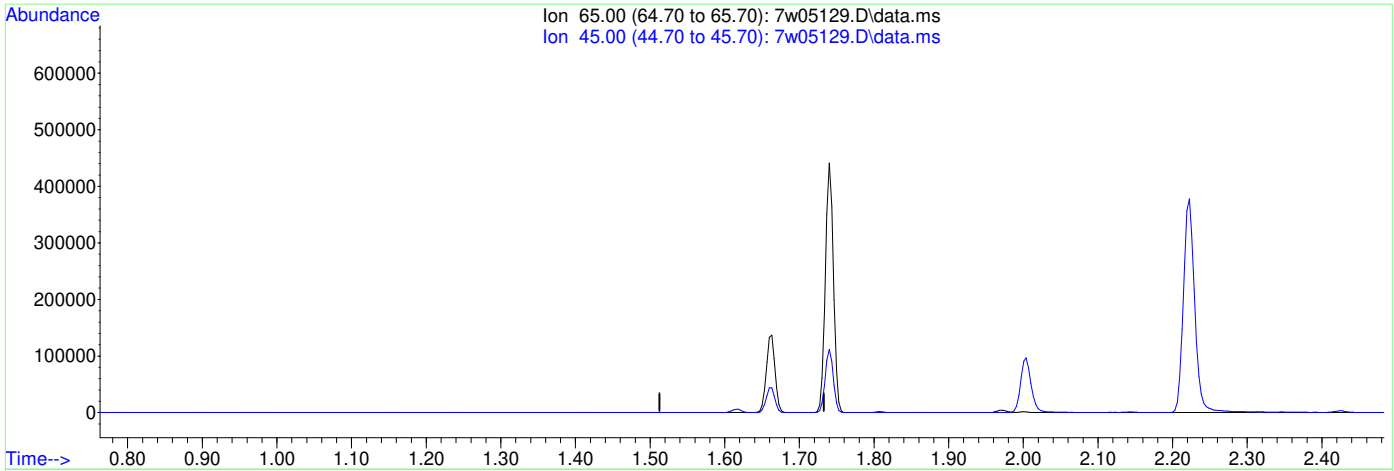
Sample Number:	V7W201-IC0201	**Method:**	TO-15
Lab FileID:	7W05129.D	**Analyst approved:**	03/05/24 14:13 Taylor Sauter
Injection Time:	03/03/24 05:38	**Supervisor approved:**	03/06/24 12:38 Kanya Veerawat

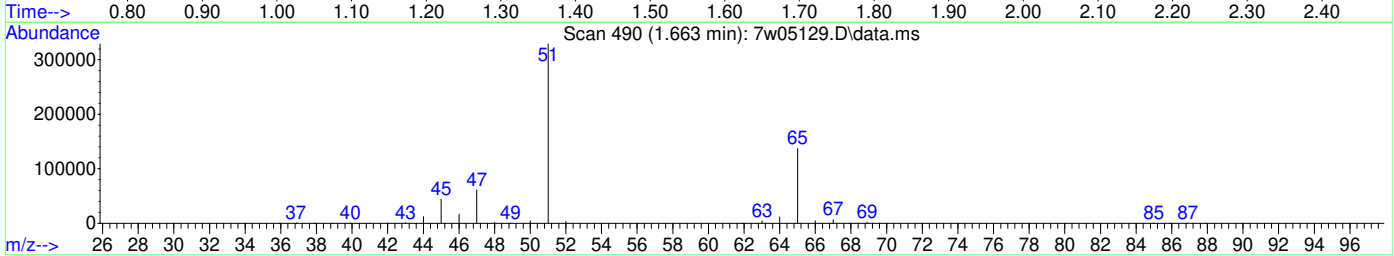
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.66	Missed peak

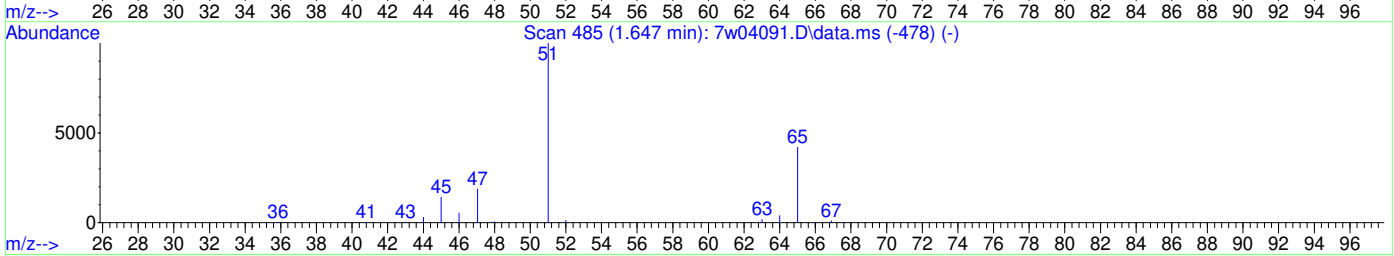
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05129.D
Acq On : 3 Mar 2024 5:38 am
Operator : williamc
Sample : ic0201-20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:33:28 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration







TIC: 7w05129.D\data.ms

(3) FREON 152A (T)

1.663min (-1.663) 0.00PPBV

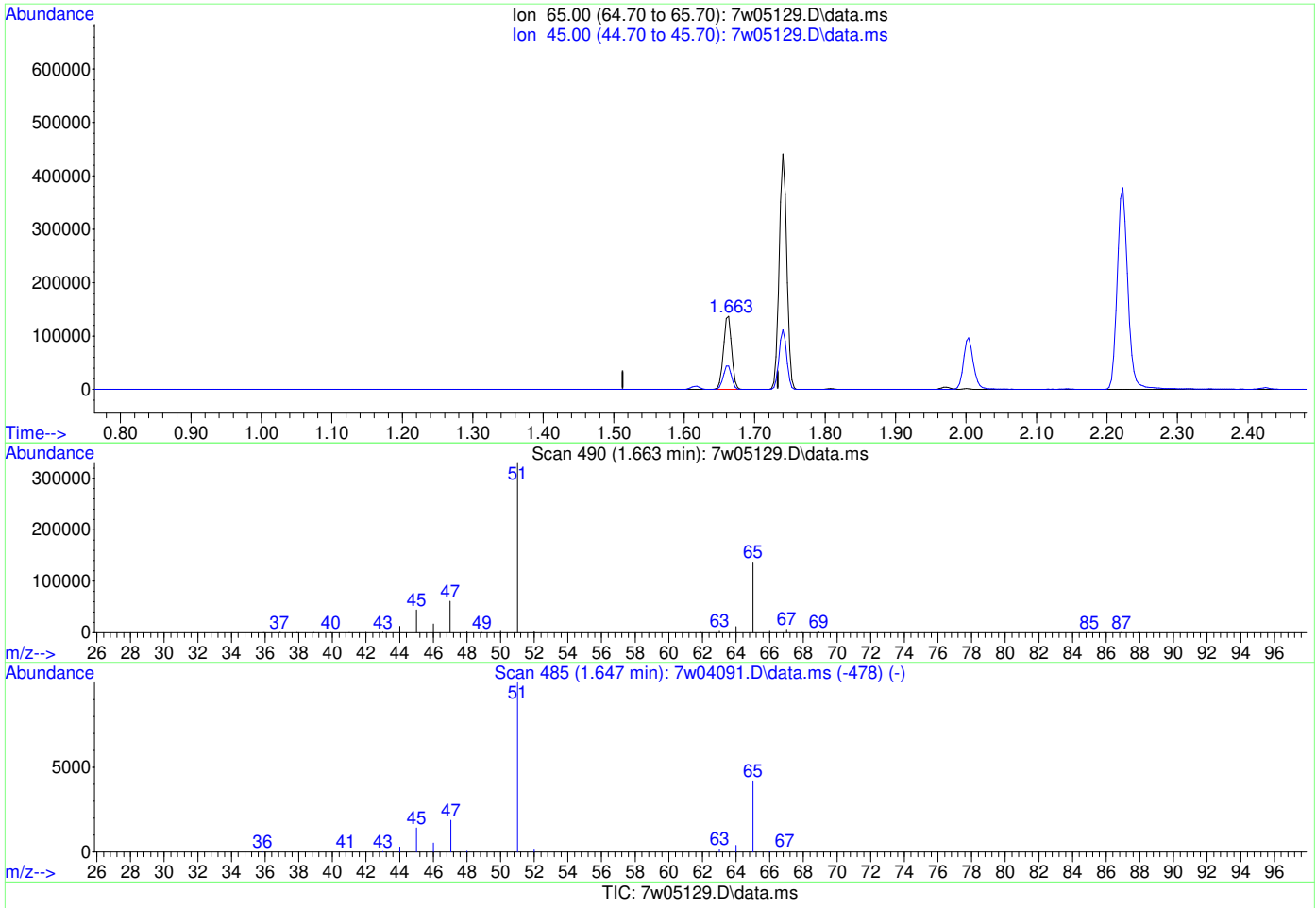
response 0

Ion	Exp%	Act%
65.00	100	0.00
45.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05129.D
Acq On : 3 Mar 2024 5:38 am
Operator : williamc
Sample : ic0201-20
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:33:28 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05129.D\data.ms

(3) FREON 152A (T)

1.663min (+0.000) 19.47PPBV m

response 111080

Ion	Exp%	Act%
65.00	100	100
45.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 03/06/24 12:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05130.D
Acq On : 3 Mar 2024 6:19 am
Operator : williamc
Sample : ic0201-40
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:36:17 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.280	128	67560	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	341995	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.142	117	314450	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.280	128	67560	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.495	95	240079	10.18	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.663	65	225648m	40.15	PPBV		
4) CHLORODIFLUOROMETHANE	1.676	67	96234	40.48	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.685	116	470172	41.00	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.705	85	972266	40.81	PPBV		99
7) PROPYLENE	1.685	41	307519	40.06	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.740	65	660730	39.80	PPBV		99
9) FREON 114	1.775	85	828609	40.29	PPBV		99
10) CHLOROMETHANE	1.746	52	111747	38.61	PPBV		97
11) VINYL CHLORIDE	1.808	62	391697	39.76	PPBV		99
12) 1,3-BUTADIENE	1.846	54	308926	38.97	PPBV		99
13) N-BUTANE	1.862	43	561737	38.31	PPBV		99
14) BROMOMETHANE	1.923	94	294282	39.82	PPBV		99
15) CHLOROETHANE	1.971	64	205852	39.28	PPBV		91
16) DICHLOROFLUOROMETHANE	1.997	67	744173	39.56	PPBV		100
17) ACETONITRILE	2.065	41	354150	38.43	PPBV		99
18) ACROLEIN	2.103	56	189881	39.08	PPBV		98
19) FREON 123	2.119	83	745700	39.52	PPBV		100
20) FREON 123A	2.135	117	413276	39.64	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.200	101	813865	39.59	PPBV		100
22) ISOPROPYL ALCOHOL	2.219	45	778413	37.77	PPBV		99
23) ACETONE	2.142	58	198510	38.04	PPBV		100
24) PENTANE	2.316	42	401184	37.68	PPBV		99
25) IODOMETHANE	2.377	142	822957	40.09	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.402	96	314270	39.45	PPBV		98
27) CARBON DISULFIDE	2.537	76	838651	39.97	PPBV		99
28) ETHANOL	2.004	45	188119	37.15	PPBV		100
29) BROMOETHENE	2.074	106	300417	40.13	PPBV		100
30) ACRYLONITRILE	2.287	52	301888	38.87	PPBV		99
31) METHYLENE CHLORIDE	2.441	84	290511	39.51	PPBV		98
32) 3-CHLOROPROPENE	2.479	76	162236	40.89	PPBV		92
33) FREON 113	2.534	151	506591	39.74	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.762	96	361182	40.24	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.418	59	816930	37.51	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.872	73	1096279	40.57	PPBV		99
37) TETRAHYDROFURAN	3.563	72	192383	40.13	PPBV		97
38) HEXANE	3.332	57	743832	39.04	PPBV		98
39) VINYL ACETATE	2.910	86	104919	45.00	PPBV		88
40) 1,1-DICHLOROETHANE	2.840	63	766941	40.36	PPBV		100
41) METHYL ETHYL KETONE	3.007	72	201811	39.84	PPBV		97
42) CIS-1,2-DICHLOROETHENE	3.203	96	394898	40.53	PPBV		99
43) DIISOPROPYL ETHER	3.338	59	220007	39.31	PPBV		95
44) ETHYL ACETATE	3.341	61	142781	40.90	PPBV		85
45) METHYL ACRYLATE	3.328	55	935974	40.01	PPBV	#	99
46) CHLOROFORM	3.357	83	756918	39.62	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.849	57	906283	39.69	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.926	97	741997	42.64	PPBV		99
49) CARBON TETRACHLORIDE	4.351	117	747961	46.81	PPBV		100
50) 1,2-DICHLOROETHANE	3.762	62	598160	39.98	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05130.D
Acq On : 3 Mar 2024 6:19 am
Operator : williamc
Sample : ic0201-40
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:36:17 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.238	78	1182673	39.83	PPBV	99
53)	CYCLOHEXANE	4.447	84	531440	40.49	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.701	71	281556	40.52	PPBV	98
55)	TRICHLOROETHENE	5.142	95	517383	40.59	PPBV	99
56)	1,2-DICHLOROPROPANE	4.907	63	511230	40.85	PPBV	99
57)	DIBROMOMETHANE	4.865	174	458936	41.48	PPBV	99
58)	ETHYL ACRYLATE	5.026	55	1186839	41.06	PPBV	100
59)	BROMODICHLOROMETHANE	5.087	83	843653	43.43	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.235	57	2427196	39.87	PPBV	100
61)	1,4-DIOXANE	5.151	88	280788	38.68	PPBV	98
62)	HEPTANE	5.550	43	859543	39.37	PPBV	99
63)	METHYL METHACRYLATE	5.447	69	477152	41.17	PPBV	97
64)	METHYL ISOBUTYL KETONE	6.184	58	484032	37.67	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	6.077	75	699019	44.61	PPBV	98
66)	TOLUENE	7.283	91	1459041	40.80	PPBV	100
67)	1,3-DICHLOROPROPANE	7.344	76	743587	40.57	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.756	75	634884	46.88	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.913	83	427771	41.04	PPBV	100
70)	2-HEXANONE	7.862	58	700746	36.65	PPBV	98
71)	ETHYL METHACRYLATE	7.987	69	783637	40.63	PPBV	99
72)	TETRACHLOROETHENE	9.013	164	568218	42.09	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.820	129	812945	48.87	PPBV	100
74)	1,2-DIBROMOETHANE	8.161	107	789648	41.79	PPBV	100
75)	OCTANE	9.161	43	1223422	40.19	PPBV	99
77)	1,1,1,2-TETRACHLOROETHANE	10.235	131	604815	47.40	PPBV	98
78)	CHLOROBENZENE	10.222	112	1213809	41.51	PPBV	99
79)	ETHYLBENZENE	11.103	91	1955269	41.38	PPBV	100
80)	M,P-XYLENE	11.534	91	3005168	81.90	PPBV	98
81)	O-XYLENE	12.466	91	1516707	40.43	PPBV	97
82)	STYRENE	12.251	104	1202246	41.34	PPBV	100
83)	NONANE	13.592	43	1271361	40.36	PPBV	98
84)	BROMOFORM	11.347	173	723589	53.33	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.482	83	1128053	41.12	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.765	75	898133	40.53	PPBV	100
88)	ISOPROPYLBENZENE	13.984	120	583938	40.52	PPBV	99
89)	BROMOBENZENE	13.849	77	1124221	40.74	PPBV	99
90)	2-CHLOROTOLUENE	14.977	126	538402	41.08	PPBV	100
91)	N-PROPYLBENZENE	15.321	120	617705	41.32	PPBV	99
92)	4-ETHYLTOLUENE	15.765	105	2250355	41.07	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	16.019	105	1895826	41.51	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.286	118	881061	41.90	PPBV	100
95)	TERT-BUTYLBENZENE	16.585	134	452736	40.45	PPBV	98
96)	1,2,4-TRIMETHYLBENZENE	16.595	105	1932587	41.33	PPBV	99
97)	BENZYL CHLORIDE	16.682	91	1320428	54.33	PPBV	99
98)	M-DICHLOROBENZENE	16.653	146	1268829	42.10	PPBV	99
99)	P-DICHLOROBENZENE	16.743	146	1281815	41.96	PPBV	100
100)	O-DICHLOROBENZENE	17.054	146	1227971	42.47	PPBV	100
101)	SEC-BUTYLBENZENE	16.884	134	563983	41.50	PPBV	99
102)	1,2,3-TRIMETHYLBENZENE	17.003	105	1962013	41.99	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.074	134	630183	42.44	PPBV	99
104)	N-BUTYLBENZENE	17.431	134	626050	43.71	PPBV	100
105)	HEXACHLOROETHANE	17.608	117	637875	55.64	PPBV	99
106)	HEXACHLOROBUTADIENE	18.656	225	926027	48.51	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.350	180	1308420	50.91	PPBV	100
108)	NAPHTHALENE	18.395	128	3435588	55.29	PPBV	100
110)	TVHC as equiv Pentane	2.316	TIC	1909688	39.45	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05130.D
Acq On : 3 Mar 2024 6:19 am
Operator : williamc
Sample : ic0201-40
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:36:17 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

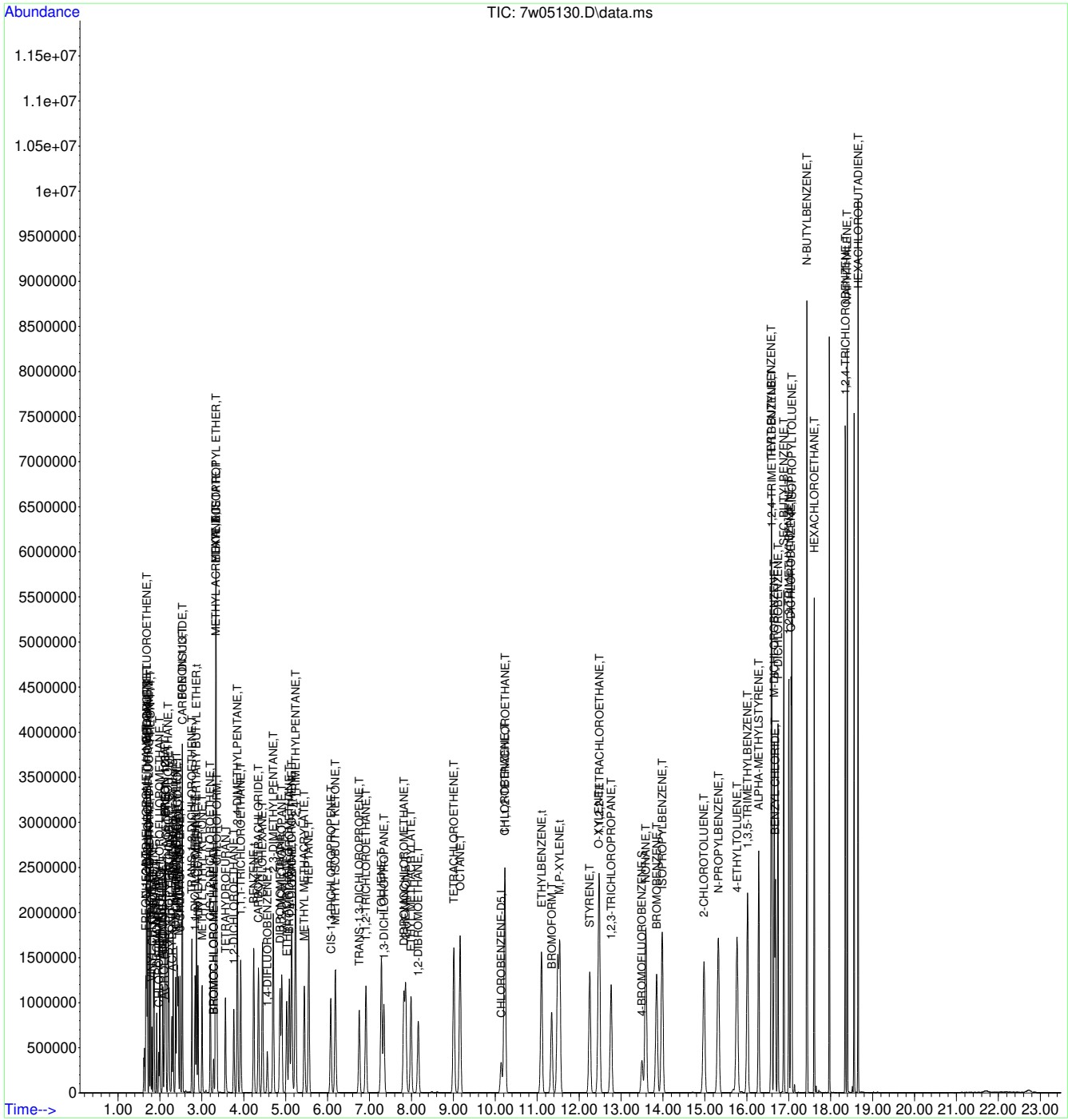
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05130.D
Acq On : 3 Mar 2024 6:19 am
Operator : williamc
Sample : ic0201-40
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:36:17 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



Manual Integration Approval Summary

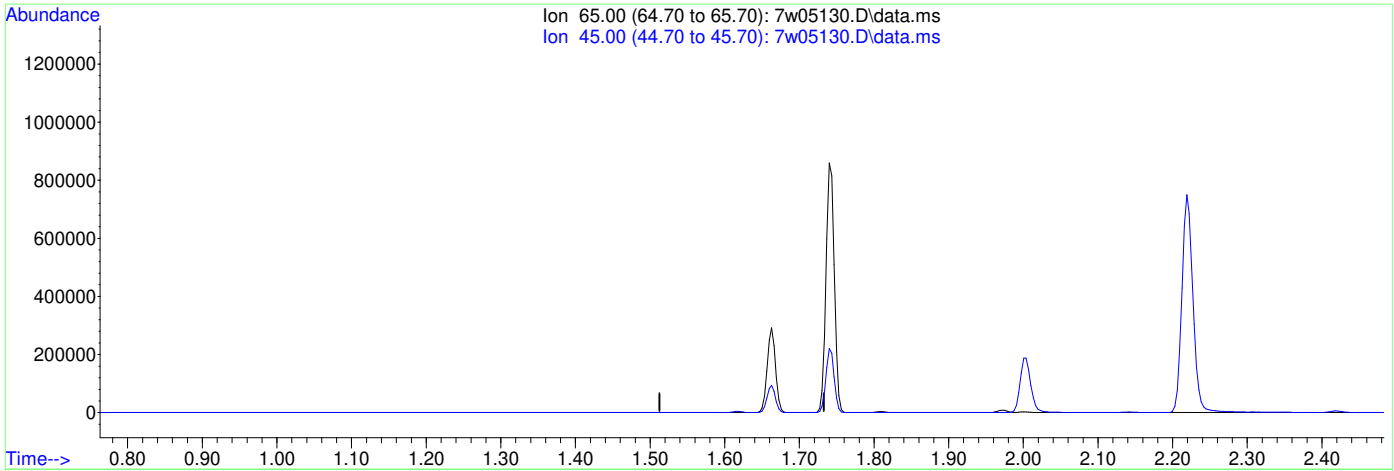
Sample Number:	V7W201-IC0201	**Method:**	TO-15
Lab FileID:	7W05130.D	**Analyst approved:**	03/05/24 14:13 Taylor Sauter
Injection Time:	03/03/24 06:19	**Supervisor approved:**	03/06/24 12:39 Kanya Veerawat

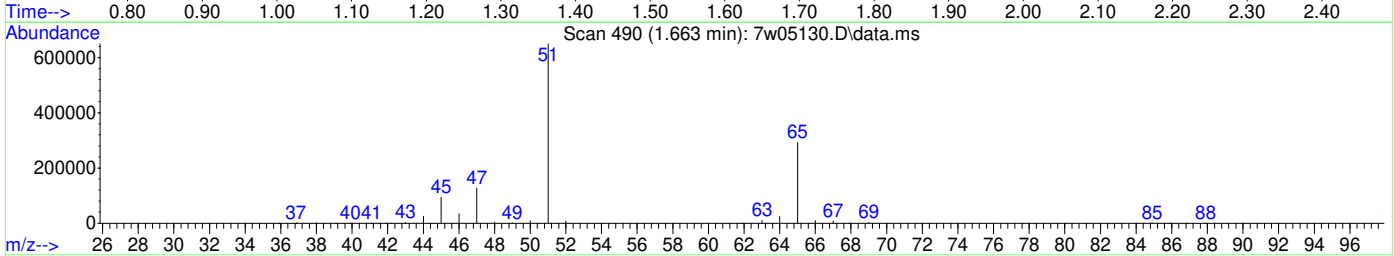
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.66	Missed peak

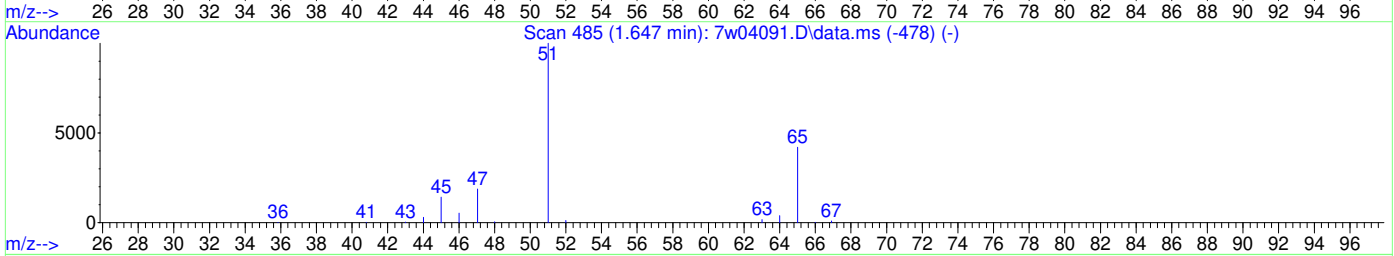
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05130.D
Acq On : 3 Mar 2024 6:19 am
Operator : williamc
Sample : ic0201-40
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:35:57 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration







TIC: 7w05130.D\data.ms

(3) FREON 152A (T)

1.663min (-1.663) 0.00PPBV

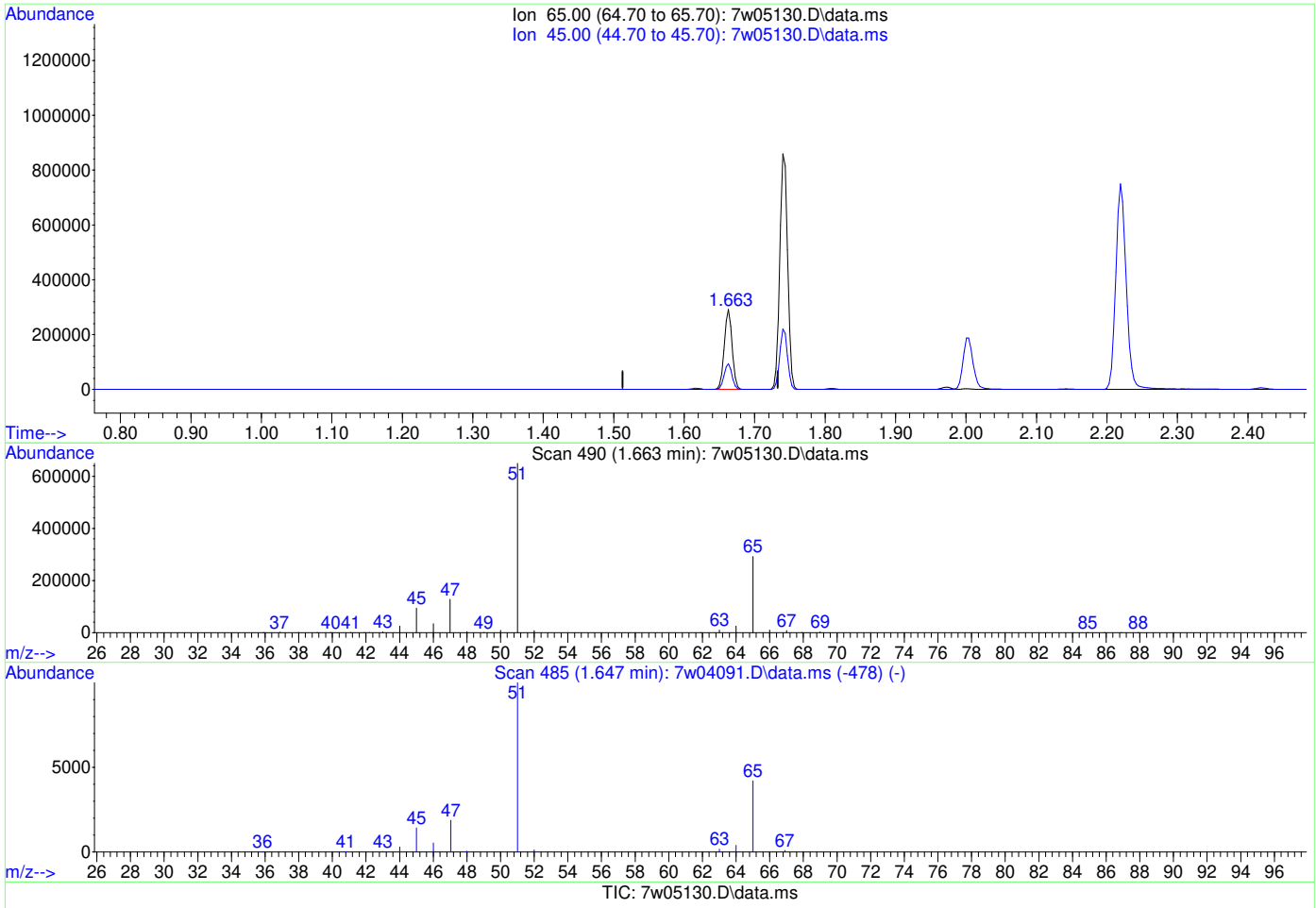
response 0

Ion	Exp%	Act%
65.00	100	0.00
45.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05130.D
Acq On : 3 Mar 2024 6:19 am
Operator : williamc
Sample : ic0201-40
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:35:57 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05130.D\data.ms

(3) FREON 152A (T)

1.663min (-0.000) 40.15PPBV m

response 225648

Ion	Exp%	Act%
65.00	100	100
45.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 03/06/24 12:39

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05131.D
Acq On : 3 Mar 2024 7:01 am
Operator : williamc
Sample : ic0201-50
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:38:52 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.280	128	67499	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	340607	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.138	117	320894	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.280	128	67495	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.502	95	240042	9.97	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.663	65	275884m	49.14	PPBV		
4) CHLORODIFLUOROMETHANE	1.676	67	116524	49.06	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.689	116	575269	50.21	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.705	85	1214941	51.04	PPBV		99
7) PROPYLENE	1.685	41	374295	48.80	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.740	65	806286	48.62	PPBV		99
9) FREON 114	1.775	85	1003408	48.83	PPBV		99
10) CHLOROMETHANE	1.746	52	134786	46.62	PPBV		97
11) VINYL CHLORIDE	1.808	62	475599	48.32	PPBV		99
12) 1,3-BUTADIENE	1.849	54	370387	46.77	PPBV		100
13) N-BUTANE	1.862	43	670549	45.77	PPBV		99
14) BROMOMETHANE	1.923	94	356954	48.34	PPBV		100
15) CHLOROETHANE	1.972	64	248487	47.45	PPBV		91
16) DICHLOROFLUOROMETHANE	1.997	67	902746	48.04	PPBV		100
17) ACETONITRILE	2.065	41	423774	46.03	PPBV		99
18) ACROLEIN	2.103	56	229240	47.22	PPBV		98
19) FREON 123	2.119	83	901684	47.83	PPBV		100
20) FREON 123A	2.136	117	502927	48.29	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.200	101	985631	47.98	PPBV		100
22) ISOPROPYL ALCOHOL	2.219	45	936540	45.48	PPBV		99
23) ACETONE	2.145	58	238491	45.74	PPBV		99
24) PENTANE	2.316	42	477537	44.89	PPBV		98
25) IODOMETHANE	2.377	142	995973	48.56	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.402	96	379107	47.63	PPBV		98
27) CARBON DISULFIDE	2.537	76	1015407	48.44	PPBV		98
28) ETHANOL	2.004	45	226281	44.72	PPBV		100
29) BROMOETHENE	2.074	106	363155	48.55	PPBV		100
30) ACRYLONITRILE	2.287	52	361244	46.55	PPBV		100
31) METHYLENE CHLORIDE	2.441	84	350271	47.68	PPBV		97
32) 3-CHLOROPROPENE	2.480	76	196879	49.67	PPBV		92
33) FREON 113	2.534	151	614464	48.25	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.762	96	441017	49.18	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.418	59	995307	45.75	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.872	73	1339558	49.62	PPBV		99
37) TETRAHYDROFURAN	3.563	72	234339	48.93	PPBV		97
38) HEXANE	3.332	57	892430	46.88	PPBV		98
39) VINYL ACETATE	2.910	86	129263	55.49	PPBV		87
40) 1,1-DICHLOROETHANE	2.840	63	931606	49.07	PPBV		100
41) METHYL ETHYL KETONE	3.007	72	247538	48.92	PPBV		95
42) CIS-1,2-DICHLOROETHENE	3.203	96	479358	49.24	PPBV		98
43) DIISOPROPYL ETHER	3.338	59	263460	47.12	PPBV		95
44) ETHYL ACETATE	3.341	61	171280	49.10	PPBV		85
45) METHYL ACRYLATE	3.328	55	1133692	48.50	PPBV	#	99
46) CHLOROFORM	3.357	83	915512	47.96	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.849	57	1097657	48.12	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.926	97	915199	52.64	PPBV		99
49) CARBON TETRACHLORIDE	4.351	117	931185	58.33	PPBV		100
50) 1,2-DICHLOROETHANE	3.766	62	725591	48.54	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05131.D
Acq On : 3 Mar 2024 7:01 am
Operator : williamc
Sample : ic0201-50
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:38:52 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.238	78	1441650	48.59	PPBV	99
53)	CYCLOHEXANE	4.447	84	647836	49.55	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.705	71	343708	49.66	PPBV	98
55)	TRICHLOROETHENE	5.142	95	630051	49.63	PPBV	99
56)	1,2-DICHLOROPROPANE	4.907	63	624831	50.13	PPBV	99
57)	DIBROMOMETHANE	4.865	174	561661	50.97	PPBV	99
58)	ETHYL ACRYLATE	5.026	55	1455750	50.57	PPBV	100
59)	BROMODICHLOROMETHANE	5.087	83	1033337	53.41	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.235	57	2953612	48.72	PPBV	100
61)	1,4-DIOXANE	5.148	88	349491	48.34	PPBV	98
62)	HEPTANE	5.553	43	1040410	47.85	PPBV	98
63)	METHYL METHACRYLATE	5.447	69	586255	50.79	PPBV	97
64)	METHYL ISOBUTYL KETONE	6.184	58	593542	46.39	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	6.077	75	865691	55.47	PPBV	97
66)	TOLUENE	7.286	91	1790162	50.27	PPBV	99
67)	1,3-DICHLOROPROPANE	7.344	76	909832	49.84	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.756	75	795359	58.97	PPBV	97
69)	1,1,2-TRICHLOROETHANE	6.917	83	520271	50.12	PPBV	99
70)	2-HEXANONE	7.865	58	863546	45.35	PPBV	98
71)	ETHYL METHACRYLATE	7.991	69	967394	50.36	PPBV	98
72)	TETRACHLOROETHENE	9.013	164	695326	51.72	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.820	129	1019217	61.52	PPBV	100
74)	1,2-DIBROMOETHANE	8.167	107	971642	51.63	PPBV	100
75)	OCTANE	9.164	43	1491018	49.18	PPBV	99
77)	1,1,1,2-TETRACHLOROETHANE	10.238	131	752393	57.79	PPBV	98
78)	CHLOROBENZENE	10.222	112	1490208	49.94	PPBV	99
79)	ETHYLBENZENE	11.106	91	2401183	49.80	PPBV	100
80)	M,P-XYLENE	11.540	91	3702070	98.87	PPBV	97
81)	O-XYLENE	12.470	91	1873255	48.93	PPBV	98
82)	STYRENE	12.257	104	1485770	50.07	PPBV	99
83)	NONANE	13.595	43	1556314	48.41	PPBV	98
84)	BROMOFORM	11.347	173	924356	66.76	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.486	83	1397106	49.91	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.769	75	1111809	49.16	PPBV	100
88)	ISOPROPYLBENZENE	13.984	120	722072	49.10	PPBV	99
89)	BROMOBENZENE	13.852	77	1386198	49.23	PPBV	99
90)	2-CHLOROTOLUENE	14.981	126	666880	49.86	PPBV	100
91)	N-PROPYLBENZENE	15.321	120	766864	50.27	PPBV	100
92)	4-ETHYLTOLUENE	15.768	105	2808497	50.23	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	16.022	105	2368882	50.83	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.286	118	1098773	51.20	PPBV	100
95)	TERT-BUTYLBENZENE	16.585	134	564642	49.44	PPBV	98
96)	1,2,4-TRIMETHYLBENZENE	16.598	105	2405698	50.42	PPBV	99
97)	BENZYL CHLORIDE	16.685	91	1702432	68.64	PPBV	99
98)	M-DICHLOROBENZENE	16.656	146	1580848	51.40	PPBV	99
99)	P-DICHLOROBENZENE	16.746	146	1604072	51.45	PPBV	100
100)	O-DICHLOROBENZENE	17.058	146	1525067	51.69	PPBV	100
101)	SEC-BUTYLBENZENE	16.887	134	707471	51.01	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	17.003	105	2457411	51.53	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.074	134	785111	51.81	PPBV	99
104)	N-BUTYLBENZENE	17.434	134	788774	53.97	PPBV	99
105)	HEXACHLOROETHANE	17.611	117	827294	70.71	PPBV	100
106)	HEXACHLOROBUTADIENE	18.659	225	1252646	64.31	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	1813168	69.14	PPBV	100
108)	NAPHTHALENE	18.399	128	4947882	78.03	PPBV	100
110)	TVHC as equiv Pentane	2.316	TIC	2171070	44.89	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05131.D
Acq On : 3 Mar 2024 7:01 am
Operator : williamc
Sample : ic0201-50
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:38:52 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration

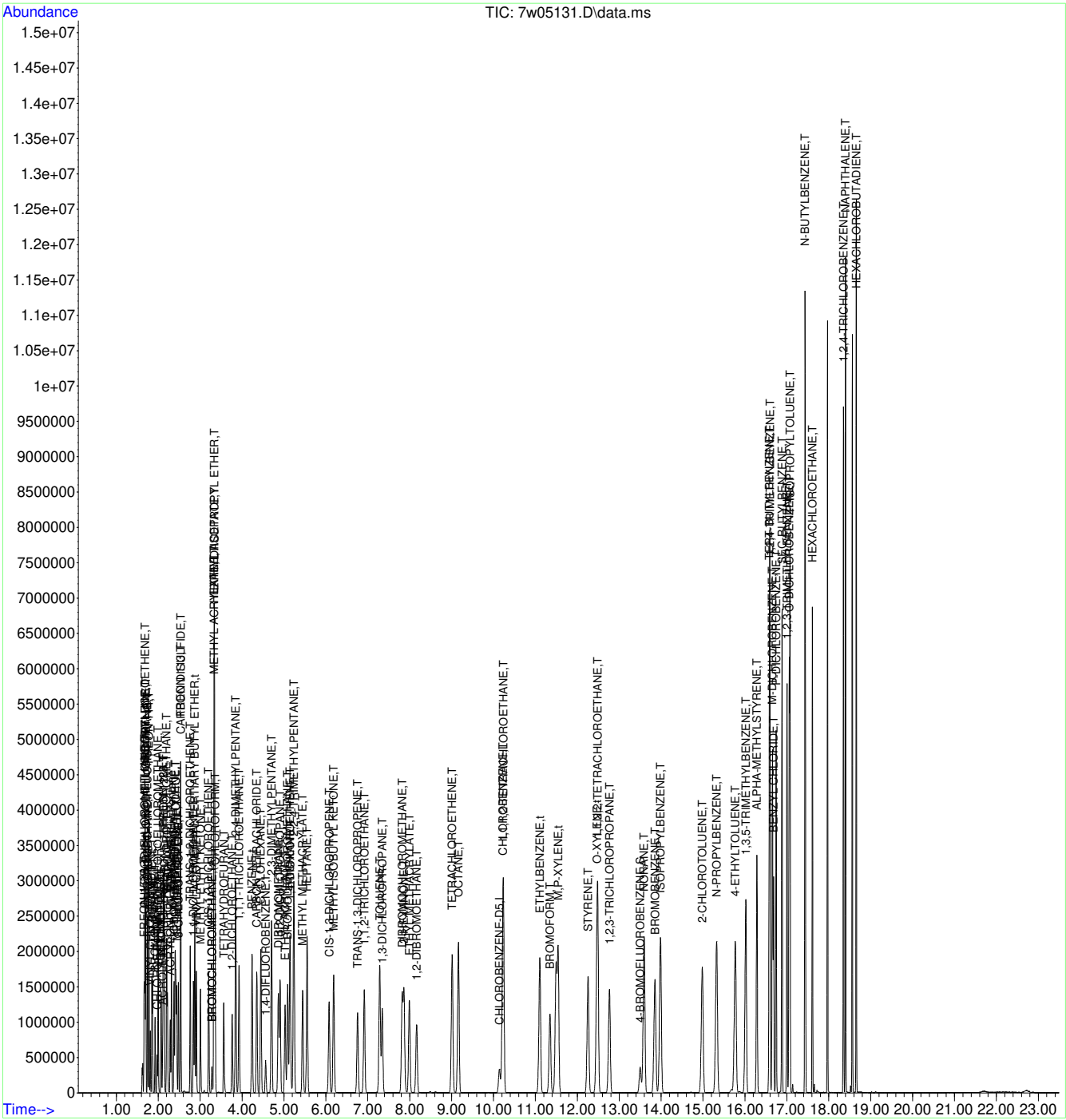
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05131.D
Acq On : 3 Mar 2024 7:01 am
Operator : williamc
Sample : ic0201-50
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:38:52 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



Manual Integration Approval Summary

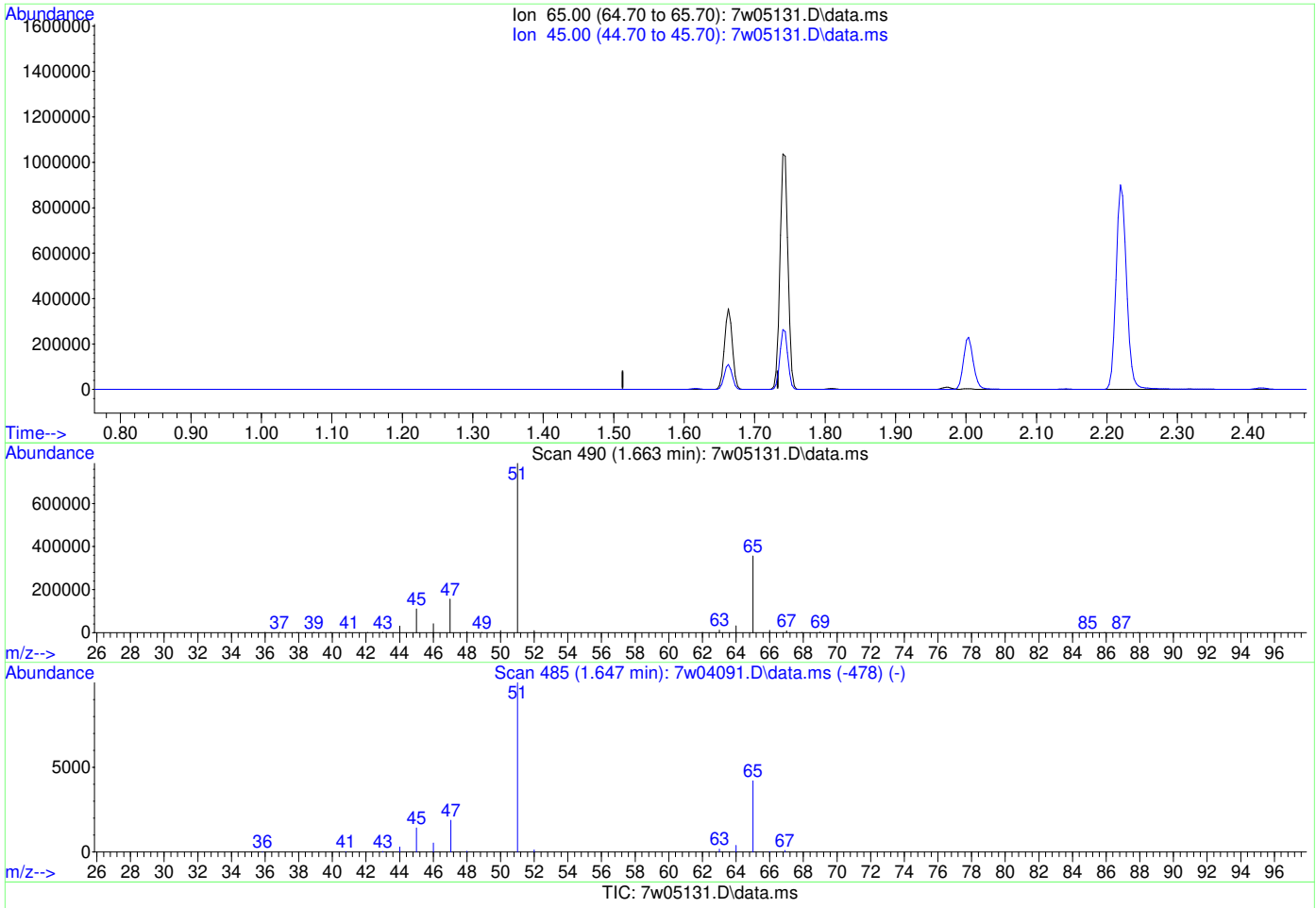
Sample Number:	V7W201-IC0201	**Method:**	TO-15
Lab FileID:	7W05131.D	**Analyst approved:**	03/05/24 14:13 Taylor Sauter
Injection Time:	03/03/24 07:01	**Supervisor approved:**	03/06/24 12:39 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.66	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05131.D
Acq On : 3 Mar 2024 7:01 am
Operator : williamc
Sample : ic0201-50
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:38:34 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05131.D\data.ms

(3) FREON 152A (T)

1.663min (-1.663) 0.00PPBV

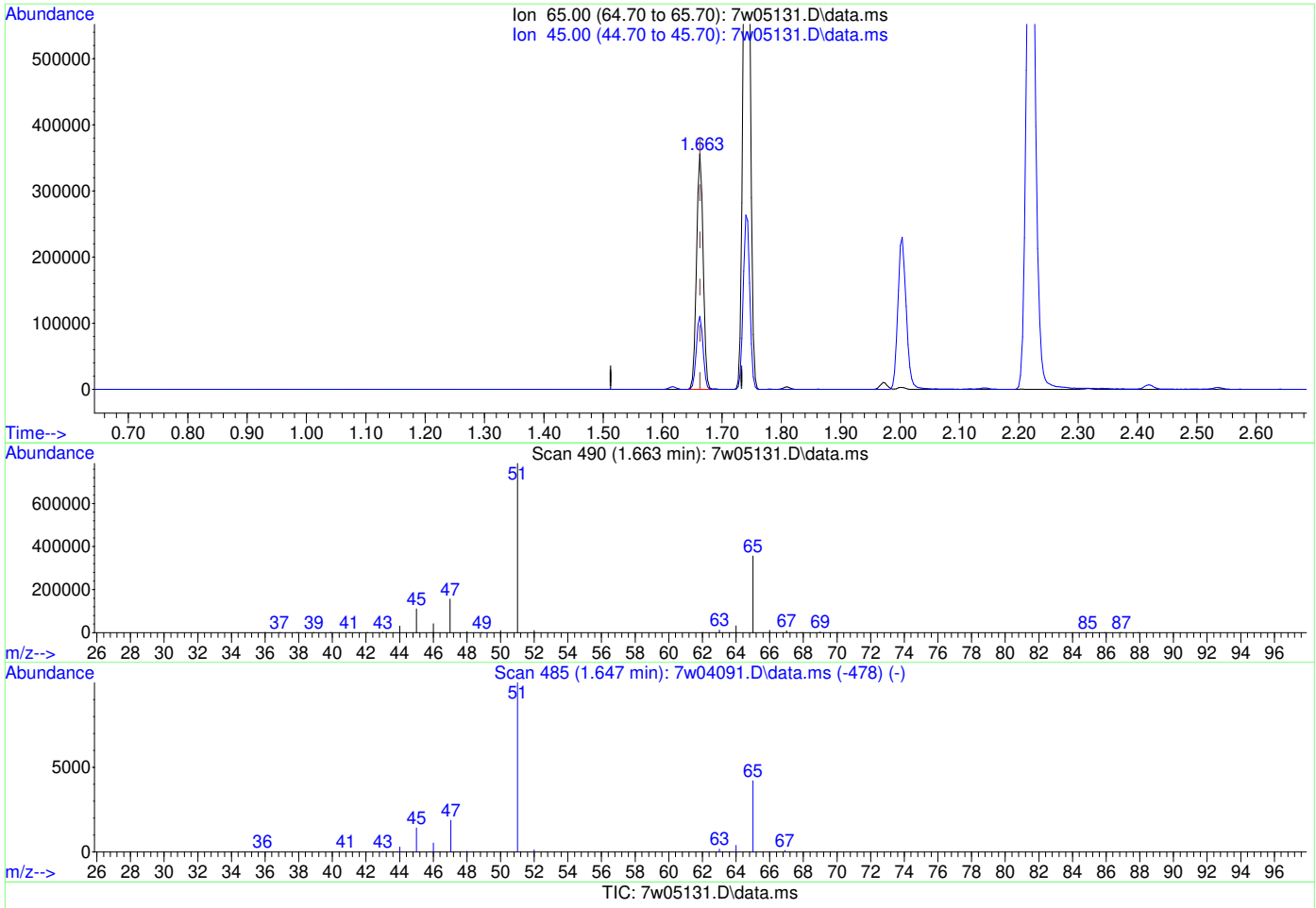
response 0

Ion	Exp%	Act%
65.00	100	0.00
45.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w05131.D
Acq On : 3 Mar 2024 7:01 am
Operator : williamc
Sample : ic0201-50
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 13:38:34 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 11:04:46 2024
Response via : Initial Calibration



TIC: 7w05131.D\data.ms

(3) FREON 152A (T)

1.663min (-0.000) 49.14PPBV m

response 275884

Ion	Exp%	Act%
65.00	100	100
45.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05135.D
Acq On : 3 Mar 2024 9:19 am
Operator : williamc
Sample : icv0201-10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 17:17:43 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.280	128	67385	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.560	114	345349	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.138	117	316716	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.280	128	67395	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.495	95	240853	10.14	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.663	65	58119	10.38	PPBV	#	100
4) CHLORODIFLUOROMETHANE	1.676	67	24283	10.06	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.685	116	121603	10.43	PPBV		95
6) DICHLORODIFLUOROMETHANE	1.701	85	240758	10.14	PPBV		100
7) PROPYLENE	1.682	41	78229	9.12	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.740	65	176344	10.56	PPBV		100
9) FREON 114	1.775	85	205705	10.04	PPBV		100
10) CHLOROMETHANE	1.746	52	30114	10.23	PPBV		96
11) VINYL CHLORIDE	1.808	62	101914	10.46	PPBV		99
12) 1,3-BUTADIENE	1.846	54	80835	10.11	PPBV		100
13) N-BUTANE	1.862	43	150523	9.51	PPBV		99
14) BROMOMETHANE	1.923	94	74635	9.92	PPBV		100
15) CHLOROETHANE	1.972	64	53798	10.29	PPBV		91
16) DICHLOROFLUOROMETHANE	1.997	67	184565	9.93	PPBV		100
17) ACETONITRILE	2.065	41	89506	8.62	PPBV		100
18) ACROLEIN	2.103	56	45388	8.71	PPBV		98
19) FREON 123	2.116	83	199147	10.49	PPBV		98
20) FREON 123A	2.135	117	117987	11.34	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.200	101	203120	9.93	PPBV		99
22) ISOPROPYL ALCOHOL	2.225	45	222117	9.90	PPBV		99
23) ACETONE	2.145	58	55210	9.10	PPBV		99
24) PENTANE	2.316	42	110775	9.81	PPBV		99
25) IODOMETHANE	2.373	142	203734	10.05	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.402	96	83817	10.45	PPBV		100
27) CARBON DISULFIDE	2.534	76	229377	11.10	PPBV		99
28) ETHANOL	2.004	45	46433	9.01	PPBV		100
29) BROMOETHENE	2.071	106	77681	10.38	PPBV		99
30) ACRYLONITRILE	2.287	52	77607	10.03	PPBV		100
31) METHYLENE CHLORIDE	2.438	84	75232	9.96	PPBV		99
32) 3-CHLOROPROPENE	2.480	76	40741	10.32	PPBV		99
33) FREON 113	2.534	151	130931	10.31	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.762	96	93598	10.29	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.431	59	204655	9.39	PPBV		100
36) METHYL TERTIARY BUTYL ...	2.875	73	276109	10.21	PPBV		100
37) TETRAHYDROFURAN	3.570	72	45150	9.47	PPBV		98
38) HEXANE	3.332	57	198512	10.55	PPBV		99
39) VINYL ACETATE	2.910	86	24454	10.23	PPBV		96
40) 1,1-DICHLOROETHANE	2.840	63	194422	10.39	PPBV		100
41) METHYL ETHYL KETONE	3.010	72	51343	10.11	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.203	96	99459	10.10	PPBV		99
43) DIISOPROPYL ETHER	3.338	59	57654	10.27	PPBV		99
44) ETHYL ACETATE	3.341	61	38760	11.70	PPBV		90
45) METHYL ACRYLATE	3.328	55	242516	10.58	PPBV	#	100
46) CHLOROFORM	3.351	83	195531	10.33	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.846	57	231816	10.23	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.926	97	178721	10.45	PPBV		100
49) CARBON TETRACHLORIDE	4.351	117	158562	10.26	PPBV		100
50) 1,2-DICHLOROETHANE	3.762	62	153120	10.35	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05135.D
Acq On : 3 Mar 2024 9:19 am
Operator : williamc
Sample : icv0201-10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 17:17:43 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.238	78	301058	9.98	PPBV	100
53)	CYCLOHEXANE	4.444	84	134719	10.22	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.701	71	72006	10.29	PPBV	99
55)	TRICHLOROETHENE	5.139	95	131503	10.30	PPBV	100
56)	1,2-DICHLOROPROPANE	4.901	63	129348	10.29	PPBV	99
57)	DIBROMOMETHANE	4.862	174	115988	9.97	PPBV	99
58)	ETHYL ACRYLATE	5.023	55	300438	10.59	PPBV	100
59)	BROMODICHLOROMETHANE	5.084	83	200220	11.18	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.232	57	629084	10.24	PPBV	100
61)	1,4-DIOXANE	5.161	88	71895	9.83	PPBV	98
62)	HEPTANE	5.547	43	225857	10.38	PPBV	100
63)	METHYL METHACRYLATE	5.447	69	116956	10.02	PPBV	100
64)	METHYL ISOBUTYL KETONE	6.193	58	128920	10.03	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	6.074	75	172656	11.40	PPBV	100
66)	TOLUENE	7.280	91	365211	10.07	PPBV	99
67)	1,3-DICHLOROPROPANE	7.335	76	190648	10.46	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.749	75	140863	10.55	PPBV	100
69)	1,1,2-TRICHLOROETHANE	6.907	83	107899	10.31	PPBV	99
70)	2-HEXANONE	7.868	58	187527	8.79	PPBV	100
71)	ETHYL METHACRYLATE	7.984	69	195694	10.53	PPBV	100
72)	TETRACHLOROETHENE	9.003	164	142033	10.42	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.814	129	169980	10.48	PPBV	100
74)	1,2-DIBROMOETHANE	8.155	107	195323	10.86	PPBV	100
75)	OCTANE	9.158	43	311953	10.24	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.225	131	130507	10.67	PPBV	99
78)	CHLOROBENZENE	10.209	112	301568	10.25	PPBV	100
79)	ETHYLBENZENE	11.097	91	490356	10.33	PPBV	100
80)	M,P-XYLENE	11.524	91	758814	20.65	PPBV	98
81)	O-XYLENE	12.457	91	386351	10.33	PPBV	98
82)	STYRENE	12.244	104	283766	10.27	PPBV	100
83)	NONANE	13.579	43	330551	10.54	PPBV	99
84)	BROMOFORM	11.338	173	135302	9.87	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.469	83	285618	10.60	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.752	75	228607	10.58	PPBV	100
88)	ISOPROPYLBENZENE	13.971	120	147546	10.38	PPBV	100
89)	BROMOBENZENE	13.839	77	283780	10.39	PPBV	100
90)	2-CHLOROTOLUENE	14.968	126	134794	10.27	PPBV	100
91)	N-PROPYLBENZENE	15.309	120	154707	10.47	PPBV	99
92)	4-ETHYLTOLUENE	15.752	105	566095	10.76	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	16.006	105	475549	10.77	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.276	118	196392	10.02	PPBV	100
95)	TERT-BUTYLBENZENE	16.575	134	114245	10.31	PPBV	98
96)	1,2,4-TRIMETHYLBENZENE	16.585	105	484443	10.81	PPBV	100
97)	BENZYL CHLORIDE	16.675	91	240712	10.07	PPBV	100
98)	M-DICHLOROBENZENE	16.646	146	311268	10.41	PPBV	99
99)	P-DICHLOROBENZENE	16.736	146	313783	10.45	PPBV	100
100)	O-DICHLOROBENZENE	17.048	146	293706	10.23	PPBV	99
101)	SEC-BUTYLBENZENE	16.881	134	140466	10.35	PPBV	99
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	466581	10.28	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.067	134	153025	10.32	PPBV	99
104)	N-BUTYLBENZENE	17.427	134	147260	10.39	PPBV	99
105)	HEXACHLOROETHANE	17.604	117	97803	8.57	PPBV	99
106)	HEXACHLOROBUTADIENE	18.653	225	191695	9.68	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.344	180	255062	9.59	PPBV	100
108)	NAPHTHALENE	18.392	128	627716	9.42	PPBV	100
110)	TVHC as equiv Pentane	2.316	TIC	520131	10.07	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05135.D
Acq On : 3 Mar 2024 9:19 am
Operator : williamc
Sample : icv0201-10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 17:17:43 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

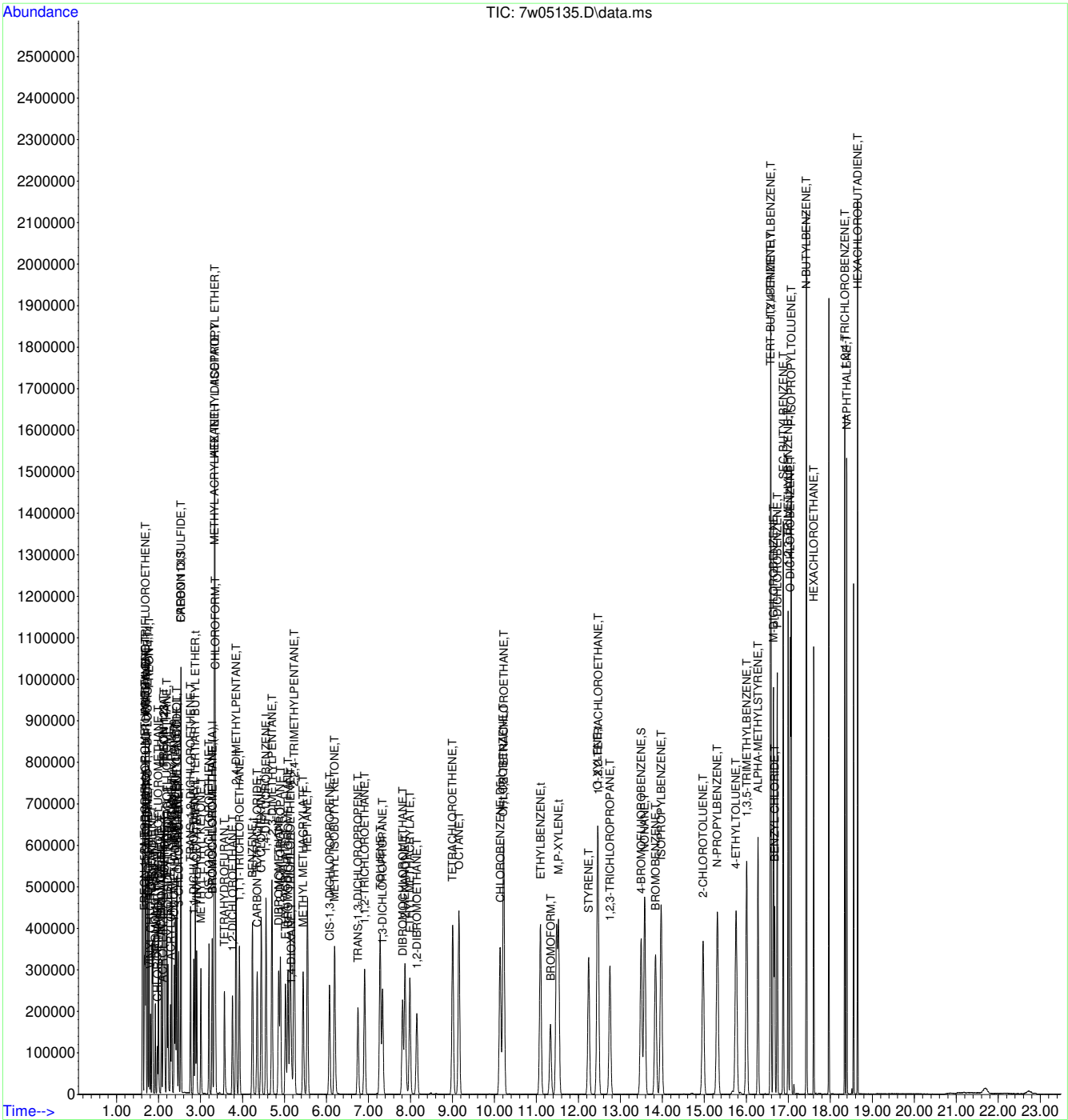
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05135.D
Acq On : 3 Mar 2024 9:19 am
Operator : williamc
Sample : icv0201-10
Misc : MS74014,v7w0201,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 17:17:43 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05812.D
Acq On : 30 Mar 2024 11:15 am
Operator : taylors
Sample : cc201-10
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 01 17:39:05 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.283	128	77843	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.563	114	378206	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.135	117	352752	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.283	128	77843	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.492	95	237300	8.97	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.663	65	55196	8.53	PPBV	#	100
4) CHLORODIFLUOROMETHANE	1.676	67	21820	7.82	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.688	116	128626	9.55	PPBV		91
6) DICHLORODIFLUOROMETHANE	1.705	85	247687	9.03	PPBV		100
7) PROPYLENE	1.685	41	84167	8.49	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.743	65	175191	9.08	PPBV		96
9) FREON 114	1.779	85	212537	8.98	PPBV		93
10) CHLOROMETHANE	1.750	52	32916	9.68	PPBV		97
11) VINYL CHLORIDE	1.811	62	101734	9.04	PPBV		98
12) 1,3-BUTADIENE	1.849	54	88170	9.54	PPBV		93
13) N-BUTANE	1.865	43	178172	9.74	PPBV		96
14) BROMOMETHANE	1.926	94	80215	9.23	PPBV		100
15) CHLOROETHANE	1.975	64	51512	8.53	PPBV		89
16) DICHLOROFLUOROMETHANE	2.000	67	185554	8.64	PPBV		98
17) ACETONITRILE	2.071	41	112230	9.35	PPBV		99
18) ACROLEIN	2.110	56	50927	8.46	PPBV		100
19) FREON 123	2.123	83	188546	8.60	PPBV		97
20) FREON 123A	2.139	117	115907	9.64	PPBV		85
21) TRICHLOROFLUOROMETHANE	2.203	101	221008	9.35	PPBV		98
22) ISOPROPYL ALCOHOL	2.232	45	232051	8.96	PPBV		96
23) ACETONE	2.148	58	54725	7.81	PPBV		80
24) PENTANE	2.319	42	126369	9.69	PPBV		98
25) IODOMETHANE	2.380	142	233344	9.97	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.406	96	83964	9.06	PPBV		98
27) CARBON DISULFIDE	2.541	76	201685	8.45	PPBV		96
28) ETHANOL	2.010	45	58391	9.81	PPBV		99
29) BROMOETHENE	2.078	106	80678	9.33	PPBV		98
30) ACRYLONITRILE	2.290	52	85751	9.59	PPBV		98
31) METHYLENE CHLORIDE	2.441	84	76207	8.73	PPBV		88
32) 3-CHLOROPROPENE	2.483	76	38888	8.52	PPBV		62
33) FREON 113	2.537	151	146649	10.00	PPBV		94
34) TRANS-1,2-DICHLOROETHENE	2.766	96	93364	8.88	PPBV		92
35) TERTIARY BUTYL ALCOHOL	2.438	59	203708	8.09	PPBV	#	87
36) METHYL TERTIARY BUTYL ...	2.881	73	228714	7.32	PPBV		98
37) TETRAHYDROFURAN	3.573	72	44315	8.04	PPBV		82
38) HEXANE	3.335	57	190866	8.79	PPBV		96
39) VINYL ACETATE	2.914	86	23878	8.64	PPBV		90
40) 1,1-DICHLOROETHANE	2.843	63	181172	8.38	PPBV		99
41) METHYL ETHYL KETONE	3.013	72	46315	7.89	PPBV		75
42) CIS-1,2-DICHLOROETHENE	3.206	96	103116	9.06	PPBV		91
43) DIISOPROPYL ETHER	3.341	59	54806	8.45	PPBV		83
44) ETHYL ACETATE	3.348	61	34520	9.02	PPBV		82
45) METHYL ACRYLATE	3.332	55	235527	8.89	PPBV	#	99
46) CHLOROFORM	3.354	83	187088	8.56	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.849	57	227840	8.70	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.930	97	178724	9.04	PPBV		99
49) CARBON TETRACHLORIDE	4.354	117	191502	10.73	PPBV		100
50) 1,2-DICHLOROETHANE	3.766	62	140509	8.22	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05812.D
Acq On : 30 Mar 2024 11:15 am
Operator : taylors
Sample : cc201-10
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 01 17:39:05 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.238	78	281852	8.09	PPBV	97
53)	CYCLOHEXANE	4.450	84	131107	9.08	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.704	71	66262	8.64	PPBV	91
55)	TRICHLOROETHENE	5.139	95	133698	9.56	PPBV	94
56)	1,2-DICHLOROPROPANE	4.904	63	123277	8.96	PPBV	98
57)	DIBROMOMETHANE	4.862	174	126221	9.91	PPBV	94
58)	ETHYL ACRYLATE	5.029	55	290897	9.36	PPBV	99
59)	BROMODICHLOROMETHANE	5.084	83	201178	10.26	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.235	57	617171	9.17	PPBV	100
61)	1,4-DIOXANE	5.167	88	75251	9.40	PPBV	96
62)	HEPTANE	5.550	43	234808	9.85	PPBV	93
63)	METHYL METHACRYLATE	5.450	69	109360	8.56	PPBV	89
64)	METHYL ISOBUTYL KETONE	6.196	58	127793	9.07	PPBV	91
65)	CIS-1,3-DICHLOROPROPENE	6.074	75	148449	8.95	PPBV	97
66)	TOLUENE	7.280	91	368032	9.27	PPBV	98
67)	1,3-DICHLOROPROPANE	7.338	76	175273	8.78	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.753	75	123437	8.44	PPBV	97
69)	1,1,2-TRICHLOROETHANE	6.907	83	103719	9.05	PPBV	97
70)	2-HEXANONE	7.875	58	199083	8.52	PPBV	93
71)	ETHYL METHACRYLATE	7.987	69	179968	8.84	PPBV	91
72)	TETRACHLOROETHENE	9.007	164	145391	9.74	PPBV	99
73)	DIBROMOCHLOROMETHANE	7.814	129	216827	12.20	PPBV	100
74)	1,2-DIBROMOETHANE	8.154	107	201308	10.22	PPBV	98
75)	OCTANE	9.158	43	327093	9.81	PPBV	95
77)	1,1,1,2-TETRACHLOROETHANE	10.225	131	160278	11.77	PPBV	94
78)	CHLOROBENZENE	10.209	112	318575	9.72	PPBV	93
79)	ETHYLBENZENE	11.096	91	484317	9.16	PPBV	99
80)	M,P-XYLENE	11.527	91	742201	18.13	PPBV	99
81)	O-XYLENE	12.457	91	378613	9.09	PPBV	96
82)	STYRENE	12.248	104	300507	9.77	PPBV	96
83)	NONANE	13.579	43	340267	9.74	PPBV	93
84)	BROMOFORM	11.331	173	196317	12.86	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.469	83	271655	9.05	PPBV	98
86)	1,2,3-TRICHLOROPROPANE	12.749	75	210101	8.73	PPBV	100
88)	ISOPROPYLBENZENE	13.971	120	156567	9.89	PPBV	90
89)	BROMOBENZENE	13.836	77	258447	8.49	PPBV	84
90)	2-CHLOROTOLUENE	14.971	126	148246	10.14	PPBV	99
91)	N-PROPYLBENZENE	15.309	120	162718	9.89	PPBV	98
92)	4-ETHYLTOLUENE	15.755	105	560886	9.57	PPBV	97
93)	1,3,5-TRIMETHYLBENZENE	16.006	105	460981	9.37	PPBV	96
94)	ALPHA-METHYLSTYRENE	16.280	118	222651	10.20	PPBV	98
95)	TERT-BUTYLBENZENE	16.575	134	121522	9.85	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.585	105	471962	9.45	PPBV	95
97)	BENZYL CHLORIDE	16.675	91	204243	7.67	PPBV	95
98)	M-DICHLOROBENZENE	16.646	146	329675	9.90	PPBV	98
99)	P-DICHLOROBENZENE	16.736	146	333114	9.96	PPBV	98
100)	O-DICHLOROBENZENE	17.048	146	313502	9.81	PPBV	97
101)	SEC-BUTYLBENZENE	16.878	134	149563	9.90	PPBV	87
102)	1,2,3-TRIMETHYLBENZENE	16.997	105	462137	9.14	PPBV	95
103)	P-ISOPROPYLTOLUENE	17.067	134	162348	9.83	PPBV	96
104)	N-BUTYLBENZENE	17.427	134	156138	9.89	PPBV	87
105)	HEXACHLOROETHANE	17.604	117	161952	12.75	PPBV	98
106)	HEXACHLOROBUTADIENE	18.652	225	214077	9.70	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.344	180	270785	9.14	PPBV	99
108)	NAPHTHALENE	18.392	128	644070	8.68	PPBV	100
110)	TVHC as equiv Pentane	2.319	TIC	580722	9.73	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05812.D
Acq On : 30 Mar 2024 11:15 am
Operator : taylors
Sample : cc201-10
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 01 17:39:05 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

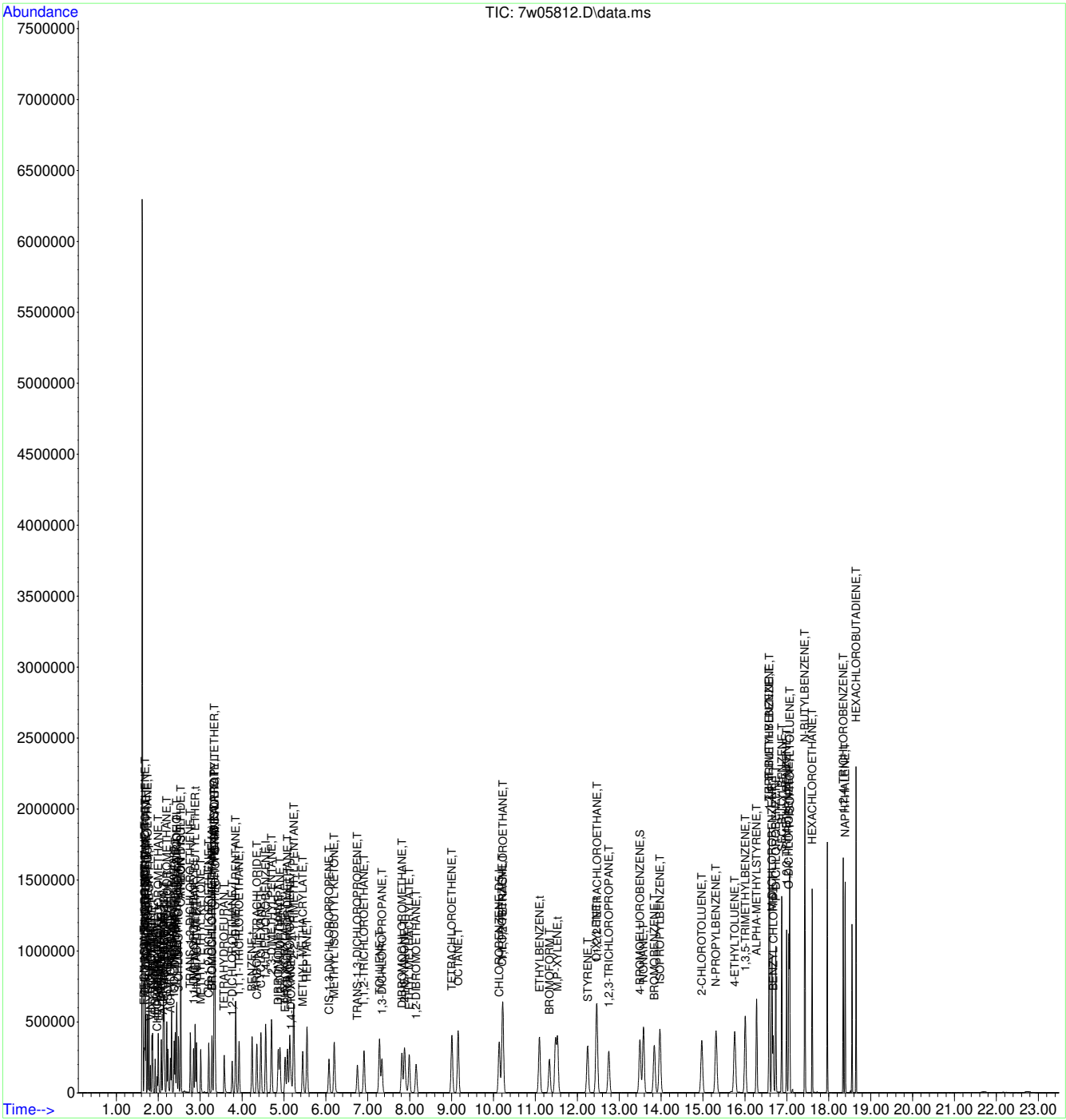
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w05812.D
Acq On : 30 Mar 2024 11:15 am
Operator : taylors
Sample : cc201-10
Misc : MS79264,v7w0222,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 01 17:39:05 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w06242.D
Acq On : 19 Apr 2024 7:22 pm
Operator : benk
Sample : cc201-10
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 20 08:04:58 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.284	128	66291	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.566	114	313263	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.135	117	295065	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.284	128	66291	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.495	95	203729	9.21	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.663	65	47324	8.59	PPBV	#	100
4) CHLORODIFLUOROMETHANE	1.676	67	19257	8.11	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.689	116	118921	10.37	PPBV		93
6) DICHLORODIFLUOROMETHANE	1.705	85	232975	9.97	PPBV		98
7) PROPYLENE	1.686	41	72257	8.56	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.743	65	155852	9.49	PPBV		98
9) FREON 114	1.779	85	214675	10.65	PPBV		92
10) CHLOROMETHANE	1.750	52	27282	9.42	PPBV		98
11) VINYL CHLORIDE	1.811	62	98142	10.24	PPBV		99
12) 1,3-BUTADIENE	1.850	54	87074	11.07	PPBV		91
13) N-BUTANE	1.866	43	184145	11.82	PPBV		95
14) BROMOMETHANE	1.927	94	84532	11.42	PPBV		100
15) CHLOROETHANE	1.975	64	54323	10.57	PPBV		95
16) DICHLOROFLUOROMETHANE	1.997	67	201501	11.02	PPBV		98
17) ACETONITRILE	2.068	41	124931	12.23	PPBV		98
18) ACROLEIN	2.107	56	50146	9.78	PPBV		100
19) FREON 123	2.120	83	202353	10.84	PPBV		96
20) FREON 123A	2.139	117	125118	12.22	PPBV		88
21) TRICHLOROFLUOROMETHANE	2.203	101	245071	12.18	PPBV		100
22) ISOPROPYL ALCOHOL	2.232	45	267706	12.13	PPBV		98
23) ACETONE	2.149	58	58002	9.72	PPBV		67
24) PENTANE	2.319	42	133518	12.02	PPBV		97
25) IODOMETHANE	2.380	142	251330	12.60	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.406	96	88068	11.16	PPBV		92
27) CARBON DISULFIDE	2.541	76	171129	8.42	PPBV		97
28) ETHANOL	2.010	45	65251	12.88	PPBV		99
29) BROMOETHENE	2.075	106	86022	11.68	PPBV		98
30) ACRYLONITRILE	2.290	52	89084	11.70	PPBV		98
31) METHYLENE CHLORIDE	2.441	84	74350	10.01	PPBV		88
32) 3-CHLOROPROPENE	2.483	76	34648	8.92	PPBV		88
33) FREON 113	2.538	151	141241	11.30	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	2.766	96	83841	9.37	PPBV		85
35) TERTIARY BUTYL ALCOHOL	2.444	59	203409	9.49	PPBV		92
36) METHYL TERTIARY BUTYL ...	2.882	73	219725	8.26	PPBV		100
37) TETRAHYDROFURAN	3.573	72	38498	8.20	PPBV		91
38) HEXANE	3.335	57	153852	8.32	PPBV		99
39) VINYL ACETATE	2.917	86	22393	9.52	PPBV		83
40) 1,1-DICHLOROETHANE	2.843	63	151581	8.24	PPBV		99
41) METHYL ETHYL KETONE	3.013	72	40565	8.12	PPBV		94
42) CIS-1,2-DICHLOROETHENE	3.206	96	88875	9.17	PPBV		88
43) DIISOPROPYL ETHER	3.341	59	44706	8.10	PPBV		90
44) ETHYL ACETATE	3.348	61	28860	8.85	PPBV		96
45) METHYL ACRYLATE	3.332	55	191187	8.48	PPBV	#	99
46) CHLOROFORM	3.354	83	164823	8.85	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.853	57	183687	8.24	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.930	97	168702	10.02	PPBV		95
49) CARBON TETRACHLORIDE	4.351	117	179848	11.83	PPBV		100
50) 1,2-DICHLOROETHANE	3.763	62	116704	8.02	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w06242.D
Acq On : 19 Apr 2024 7:22 pm
Operator : benk
Sample : cc201-10
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 20 08:04:58 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.242	78	246507	8.31	PPBV		99
53)	CYCLOHEXANE	4.451	84	109824	9.18	PPBV		96
54)	2,3-DIMETHYLPENTANE	4.708	71	56077	8.83	PPBV		100
55)	TRICHLOROETHENE	5.139	95	116571	10.06	PPBV		88
56)	1,2-DICHLOROPROPANE	4.907	63	100519	8.82	PPBV		99
57)	DIBROMOMETHANE	4.865	174	113696	10.77	PPBV		91
58)	ETHYL ACRYLATE	5.026	55	240988	9.36	PPBV		99
59)	BROMODICHLOROMETHANE	5.084	83	172913	10.64	PPBV		97
60)	2,2,4-TRIMETHYLPENTANE	5.232	57	511988	9.18	PPBV		98
61)	1,4-DIOXANE	5.177	88	69866	10.53	PPBV	#	77
62)	HEPTANE	5.554	43	185436	9.39	PPBV		96
63)	METHYL METHACRYLATE	5.447	69	94987	8.97	PPBV		96
64)	METHYL ISOBUTYL KETONE	6.203	58	108485	9.30	PPBV		94
65)	CIS-1,3-DICHLOROPROPENE	6.074	75	132647	9.66	PPBV		97
66)	TOLUENE	7.280	91	316153	9.61	PPBV		100
67)	1,3-DICHLOROPROPANE	7.338	76	147223	8.91	PPBV		98
68)	TRANS-1,3-DICHLOROPROPENE	6.753	75	116523	9.62	PPBV		97
69)	1,1,2-TRICHLOROETHANE	6.910	83	87199	9.18	PPBV		93
70)	2-HEXANONE	7.888	58	216489	11.19	PPBV		96
71)	ETHYL METHACRYLATE	7.988	69	160496	9.52	PPBV		94
72)	TETRACHLOROETHENE	9.007	164	139412	11.27	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.814	129	194687	13.23	PPBV		100
74)	1,2-DIBROMOETHANE	8.155	107	176293	10.81	PPBV		97
75)	OCTANE	9.158	43	258691	9.36	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.225	131	151653	13.31	PPBV		92
78)	CHLOROBENZENE	10.213	112	282014	10.29	PPBV		93
79)	ETHYLBENZENE	11.094	91	420066	9.50	PPBV		97
80)	M,P-XYLENE	11.528	91	649251	18.96	PPBV		98
81)	O-XYLENE	12.454	91	331609	9.52	PPBV		94
82)	STYRENE	12.245	104	261427	10.16	PPBV		97
83)	NONANE	13.576	43	268990	9.21	PPBV		97
84)	BROMOFORM	11.335	173	180361	14.12	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.470	83	228126	9.09	PPBV		97
86)	1,2,3-TRICHLOROPROPANE	12.756	75	178123	8.85	PPBV		100
88)	ISOPROPYLBENZENE	13.971	120	144033	10.88	PPBV		89
89)	BROMOBENZENE	13.836	77	227514	8.94	PPBV		81
90)	2-CHLOROTOLUENE	14.971	126	136097	11.13	PPBV		100
91)	N-PROPYLBENZENE	15.309	120	149219	10.84	PPBV		97
92)	4-ETHYLTOLUENE	15.756	105	504163	10.29	PPBV		96
93)	1,3,5-TRIMETHYLBENZENE	16.010	105	419093	10.18	PPBV		95
94)	ALPHA-METHYLSTYRENE	16.277	118	176794	9.69	PPBV		98
95)	TERT-BUTYLBENZENE	16.576	134	111346	10.79	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.585	105	425082	10.18	PPBV		92
97)	BENZYL CHLORIDE	16.675	91	209480	9.41	PPBV		94
98)	M-DICHLOROBENZENE	16.646	146	299121	10.74	PPBV		98
99)	P-DICHLOROBENZENE	16.736	146	304358	10.88	PPBV		98
100)	O-DICHLOROBENZENE	17.048	146	282655	10.57	PPBV		97
101)	SEC-BUTYLBENZENE	16.878	134	137103	10.85	PPBV		84
102)	1,2,3-TRIMETHYLBENZENE	16.997	105	419605	9.92	PPBV		95
103)	P-ISOPROPYLTOLUENE	17.071	134	149580	10.82	PPBV		96
104)	N-BUTYLBENZENE	17.428	134	140853	10.66	PPBV		78
105)	HEXACHLOROETHANE	17.608	117	142255	13.39	PPBV		99
106)	HEXACHLOROBUTADIENE	18.659	225	173066	9.38	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.347	180	198898	8.03	PPBV		99
108)	NAPHTHALENE	18.395	128	423773	6.83	PPBV		100
110)	TVHC as equiv Pentane	2.319	TIC	591984	11.65	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w06242.D
Acq On : 19 Apr 2024 7:22 pm
Operator : benk
Sample : cc201-10
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 20 08:04:58 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration

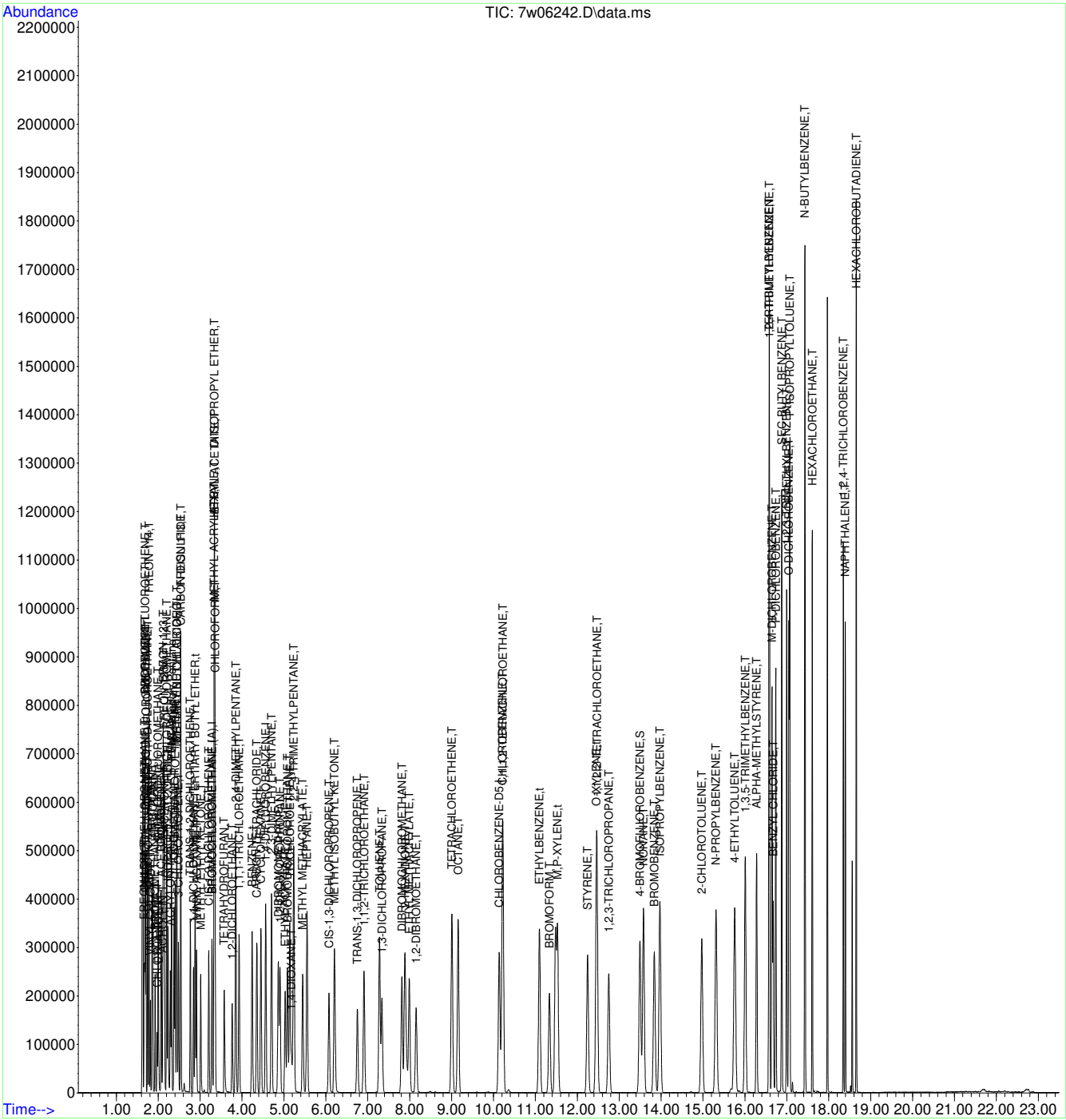
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w06242.D
Acq On : 19 Apr 2024 7:22 pm
Operator : benk
Sample : cc201-10
Misc : MS79448,v7w0236,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 20 08:04:58 2024
Quant Method : C:\msdchem\1\methods\M7W0201.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Mar 05 17:17:02 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06380.D
Acq On : 22 Jul 2024 10:55 pm
Operator : thomash
Sample : ic244-0.04
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 23 09:51:59 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.459	128	154018	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	744926	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.696	117	645980	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	154018	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.122	95	534885	9.92	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.691	119	328	0.06	PPBV	#	77
3) FREON 152A	1.722	65	322	0.04	PPBV	#	79
4) CHLORODIFLUOROMETHANE	1.740	67	164	0.03	PPBV	#	89
5) CHLOROTRIFLUOROETHENE	1.746	116	601	0.03	PPBV		93
6) DICHLORODIFLUOROMETHANE	1.765	85	1399	0.03	PPBV		93
7) PROPYLENE	1.746	41	627	0.06	PPBV	#	66
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	892	0.03	PPBV	#	52
9) FREON 114	1.844	85	949	0.03	PPBV		95
11) VINYL CHLORIDE	1.874	62	220	0.02	PPBV	#	50
12) 1,3-BUTADIENE	1.917	54	206	0.03	PPBV	#	79
13) N-BUTANE	1.929	41	246	0.06	PPBV	#	76
14) BROMOMETHANE	1.996	94	258	0.03	PPBV	#	60
15) CHLOROETHANE	2.045	64	182	0.04	PPBV	#	29
16) DICHLOROFLUOROMETHANE	2.069	67	783	0.03	PPBV	#	77
17) ACETONITRILE	2.149	41	352	0.06	PPBV	#	78
19) FREON 123	2.197	83	695	0.03	PPBV	#	88
20) FREON 123A	2.222	117	475	0.03	PPBV		93
21) TRICHLOROFLUOROMETHANE	2.283	101	1306	0.03	PPBV		93
22) ISOPROPYL ALCOHOL	2.313	45	845	0.05	PPBV	#	70
24) PENTANE	2.405	42	356	0.05	PPBV	#	68
25) IODOMETHANE	2.466	142	868	0.03	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.496	96	300	0.03	PPBV		97
27) CARBON DISULFIDE	2.636	76	689	0.03	PPBV	#	4
29) BROMOETHENE	2.155	106	274	0.03	PPBV	#	75
32) 3-CHLOROPROPENE	2.581	76	206	0.05	PPBV	#	86
33) FREON 113	2.636	151	587	0.03	PPBV		87
34) TRANS-1,2-DICHLOROETHENE	2.892	96	468	0.03	PPBV		87
35) TERTIARY BUTYL ALCOHOL	2.521	59	559	0.03	PPBV	#	56
36) METHYL TERTIARY BUTYL ...	3.014	73	1143	0.03	PPBV		98
38) HEXANE	3.514	57	665	0.03	PPBV	#	76
40) 1,1-DICHLOROETHANE	2.972	63	803	0.03	PPBV		98
41) METHYL ETHYL KETONE	3.173	72	174	0.03	PPBV	#	19
42) CIS-1,2-DICHLOROETHENE	3.368	96	458	0.03	PPBV		96
43) DIISOPROPYL ETHER	3.533	45	1556	0.03	PPBV		98
44) ETHYL ACETATE	3.545	61	136	0.03	PPBV	#	94
45) METHYL ACRYLATE	3.526	55	834	0.03	PPBV	#	65
46) CHLOROFORM	3.533	83	1175	0.03	PPBV	#	94
47) 2,4-DIMETHYLPENTANE	4.075	57	891	0.03	PPBV		95
48) 1,1,1-TRICHLOROETHANE	4.167	97	1191	0.03	PPBV		93
49) CARBON TETRACHLORIDE	4.624	117	782	0.02	PPBV		85
50) 1,2-DICHLOROETHANE	3.990	62	907	0.03	PPBV	#	90
51) BENZENE	4.502	78	1803	0.04	PPBV		96
53) CYCLOHEXANE	4.727	84	460	0.02	PPBV	#	89
54) 2,3-DIMETHYLPENTANE	5.014	71	256	0.03	PPBV	#	65
55) TRICHLOROETHENE	5.465	95	670	0.03	PPBV		96
56) 1,2-DICHLOROPROPANE	5.221	63	561	0.03	PPBV	#	80
57) DIBROMOMETHANE	5.179	174	1001	0.05	PPBV		90
58) ETHYL ACRYLATE	5.368	55	829	0.02	PPBV	#	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06380.D
Acq On : 22 Jul 2024 10:55 pm
Operator : thomash
Sample : ic244-0.04
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 23 09:51:59 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

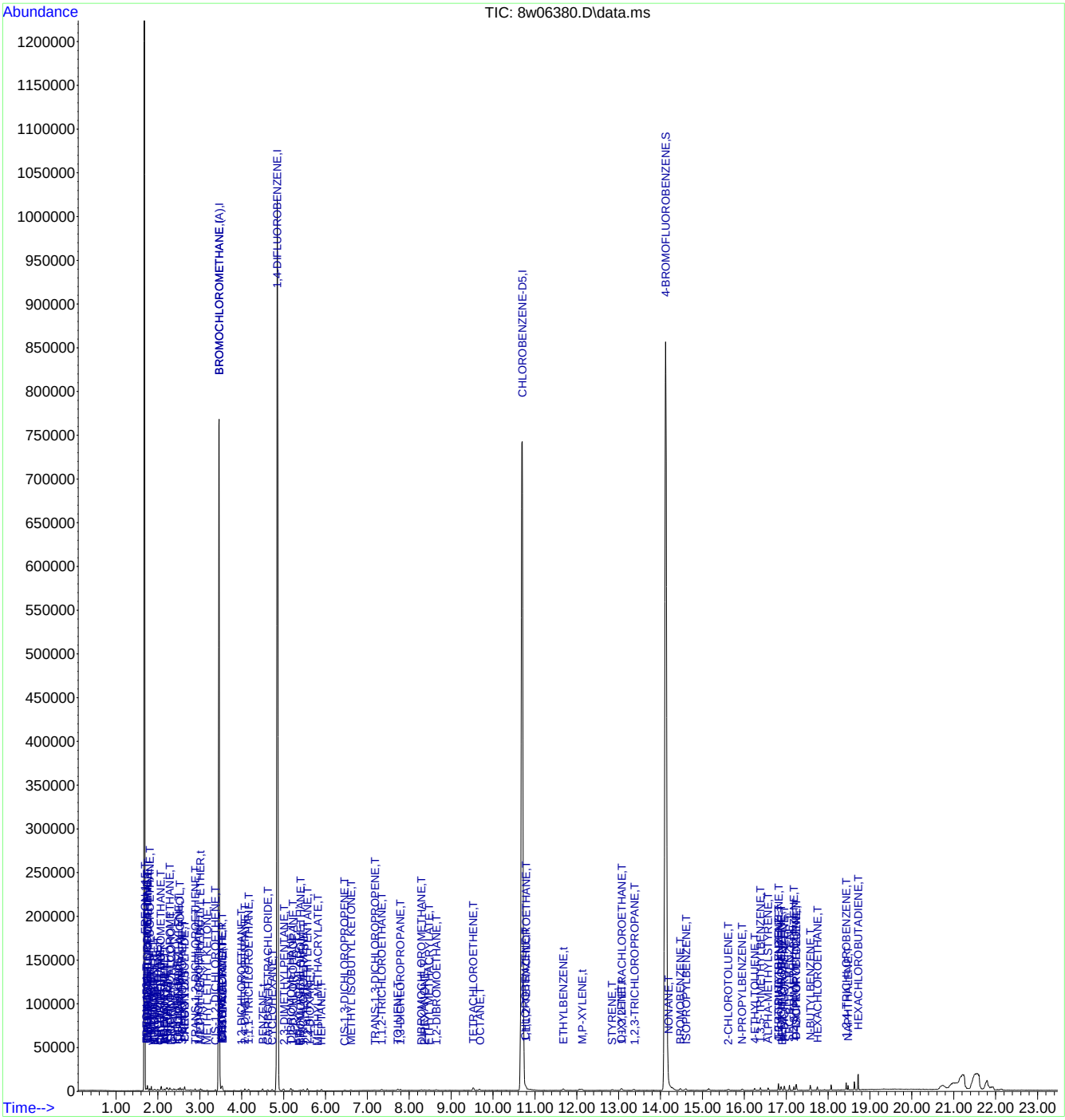
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
59) BROMODICHLOROMETHANE	5.410	83	1000	0.03	PPBV	#	96
60) 2,2,4-TRIMETHYLPENTANE	5.569	57	2223	0.03	PPBV	#	94
61) 1,4-DIOXANE	5.630	88	208	0.02	PPBV	#	26
62) HEPTANE	5.898	57	466	0.03	PPBV	#	85
63) METHYL METHACRYLATE	5.819	69	367	0.02	PPBV		80
64) METHYL ISOBUTYL KETONE	6.611	58	335	0.02	PPBV	#	58
65) CIS-1,3-DICHLOROPROPENE	6.453	75	549	0.02	PPBV	#	70
66) TOLUENE	7.727	91	1586	0.03	PPBV		89
67) 1,3-DICHLOROPROPANE	7.788	76	848	0.03	PPBV	#	85
68) TRANS-1,3-DICHLOROPROPENE	7.184	75	449	0.02	PPBV	#	73
69) 1,1,2-TRICHLOROETHANE	7.343	83	478	0.03	PPBV		91
70) 2-HEXANONE	8.355	58	415	0.02	PPBV	#	76
71) ETHYL METHACRYLATE	8.471	69	612	0.02	PPBV	#	79
72) TETRACHLOROETHENE	9.525	164	932	0.04	PPBV		88
73) DIBROMOCHLOROMETHANE	8.288	129	813	0.02	PPBV	#	81
74) 1,2-DIBROMOETHANE	8.647	107	828	0.03	PPBV	#	98
75) OCTANE	9.690	85	390	0.02	PPBV	#	83
77) 1,1,1,2-TETRACHLOROETHANE	10.787	131	728	0.03	PPBV	#	69
78) CHLOROBENZENE	10.769	112	1537	0.04	PPBV		92
79) ETHYLBENZENE	11.677	91	2269	0.03	PPBV		95
80) M,P-XYLENE	12.129	91	3731	0.06	PPBV	#	70
81) O-XYLENE	13.061	91	1647	0.03	PPBV		94
82) STYRENE	12.842	104	905	0.02	PPBV	#	65
83) NONANE	14.189	85	367	0.03	PPBV	#	7
85) 1,1,2,2-TETRACHLOROETHANE	13.073	83	1274	0.03	PPBV	#	92
86) 1,2,3-TRICHLOROPROPANE	13.378	75	1101	0.03	PPBV	#	87
88) ISOPROPYLBENZENE	14.610	120	648	0.03	PPBV	#	72
89) BROMOBENZENE	14.470	77	1257	0.03	PPBV		93
90) 2-CHLOROTOLUENE	15.616	126	472	0.02	PPBV	#	85
91) N-PROPYLBENZENE	15.945	120	430	0.02	PPBV	#	59
92) 4-ETHYLTOLUENE	16.250	105	1944	0.02	PPBV	#	95
93) 1,3,5-TRIMETHYLBENZENE	16.384	105	1675	0.02	PPBV		97
94) ALPHA-METHYLSTYRENE	16.567	118	699	0.02	PPBV		93
95) TERT-BUTYLBENZENE	16.817	134	310	0.02	PPBV	#	71
96) 1,2,4-TRIMETHYLBENZENE	16.823	105	1765	0.03	PPBV		98
97) BENZYL CHLORIDE	16.902	91	593	0.01	PPBV	#	62
98) M-DICHLOROBENZENE	16.878	146	1379	0.03	PPBV		98
99) P-DICHLOROBENZENE	16.957	146	1543	0.03	PPBV		98
100) O-DICHLOROBENZENE	17.231	146	1441	0.03	PPBV		96
101) SEC-BUTYLBENZENE	17.073	134	414	0.02	PPBV	#	63
102) 1,2,3-TRIMETHYLBENZENE	17.183	105	1917	0.03	PPBV		96
103) P-ISOPROPYLTOLUENE	17.243	134	414	0.02	PPBV	#	67
104) N-BUTYLBENZENE	17.573	134	532	0.03	PPBV	#	88
105) HEXACHLOROETHANE	17.743	117	439	0.02	PPBV		97
106) HEXACHLOROBUTADIENE	18.719	225	1918	0.05	PPBV		94
107) 1,2,4-TRICHLOROBENZENE	18.432	180	1629	0.04	PPBV		91
108) NAPHTHALENE	18.475	128	2293	0.03	PPBV	#	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06380.D
Acq On : 22 Jul 2024 10:55 pm
Operator : thomash
Sample : ic244-0.04
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 23 09:51:59 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06381.D
Acq On : 22 Jul 2024 11:30 pm
Operator : thomash
Sample : ic244-0.1
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 23 09:53:00 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.459	128	153201	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.855	114	733366	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.696	117	648142	10.00	PPBV	#	0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	153201	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.122	95	546814	10.11	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.697	119	723	0.14	PPBV		93
3) FREON 152A	1.722	65	917	0.10	PPBV	#	94
4) CHLORODIFLUOROMETHANE	1.740	67	583	0.11	PPBV	#	86
5) CHLOROTRIFLUOROETHENE	1.746	116	1906	0.09	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.765	85	4206	0.10	PPBV		97
7) PROPYLENE	1.746	41	1468	0.14	PPBV		91
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	2963	0.10	PPBV	#	90
9) FREON 114	1.844	85	2978	0.11	PPBV		88
10) CHLOROMETHANE	1.813	52	146	0.07	PPBV	#	1
11) VINYL CHLORIDE	1.874	62	811	0.09	PPBV	#	89
12) 1,3-BUTADIENE	1.917	54	711	0.11	PPBV		99
13) N-BUTANE	1.935	41	465	0.11	PPBV		85
14) BROMOMETHANE	1.996	94	895	0.10	PPBV	#	95
15) CHLOROETHANE	2.045	64	471	0.10	PPBV	#	90
16) DICHLOROFLUOROMETHANE	2.069	67	2275	0.09	PPBV		94
17) ACETONITRILE	2.149	41	764	0.12	PPBV	#	74
18) ACROLEIN	2.185	56	190	0.05	PPBV	#	96
19) FREON 123	2.197	83	2198	0.09	PPBV		96
20) FREON 123A	2.216	117	1921	0.11	PPBV		80
21) TRICHLOROFLUOROMETHANE	2.289	101	4144	0.10	PPBV		97
22) ISOPROPYL ALCOHOL	2.313	45	2007	0.12	PPBV	#	79
24) PENTANE	2.405	42	769	0.10	PPBV		99
25) IODOMETHANE	2.466	142	2649	0.09	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.496	96	991	0.10	PPBV		93
27) CARBON DISULFIDE	2.636	76	1960	0.08	PPBV	#	64
29) BROMOETHENE	2.155	106	888	0.09	PPBV	#	79
31) METHYLENE CHLORIDE	2.533	84	1196	0.14	PPBV		97
32) 3-CHLOROPROPENE	2.575	76	503	0.11	PPBV		95
33) FREON 113	2.636	151	1949	0.09	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.886	96	1370	0.09	PPBV	#	89
35) TERTIARY BUTYL ALCOHOL	2.521	59	1786	0.09	PPBV	#	89
36) METHYL TERTIARY BUTYL ...	3.020	73	3681	0.09	PPBV	#	93
37) TETRAHYDROFURAN	3.807	72	571	0.09	PPBV		96
38) HEXANE	3.520	57	2206	0.09	PPBV		97
39) VINYL ACETATE	3.051	86	342	0.10	PPBV	#	78
40) 1,1-DICHLOROETHANE	2.972	63	2628	0.09	PPBV		98
41) METHYL ETHYL KETONE	3.179	72	568	0.08	PPBV	#	53
42) CIS-1,2-DICHLOROETHENE	3.374	96	1503	0.10	PPBV		93
43) DIISOPROPYL ETHER	3.526	45	4850	0.10	PPBV		94
44) ETHYL ACETATE	3.539	61	476	0.11	PPBV	#	77
45) METHYL ACRYLATE	3.520	55	2971	0.10	PPBV	#	99
46) CHLOROFORM	3.539	83	3566	0.10	PPBV		95
47) 2,4-DIMETHYLPENTANE	4.081	57	2536	0.09	PPBV		89
48) 1,1,1-TRICHLOROETHANE	4.160	97	3331	0.08	PPBV		91
49) CARBON TETRACHLORIDE	4.618	117	2930	0.07	PPBV		94
50) 1,2-DICHLOROETHANE	3.984	62	2958	0.10	PPBV		98
51) BENZENE	4.502	78	4391	0.11	PPBV		99
53) CYCLOHEXANE	4.727	84	1547	0.08	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06381.D
Acq On : 22 Jul 2024 11:30 pm
Operator : thomash
Sample : ic244-0.1
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 23 09:53:00 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

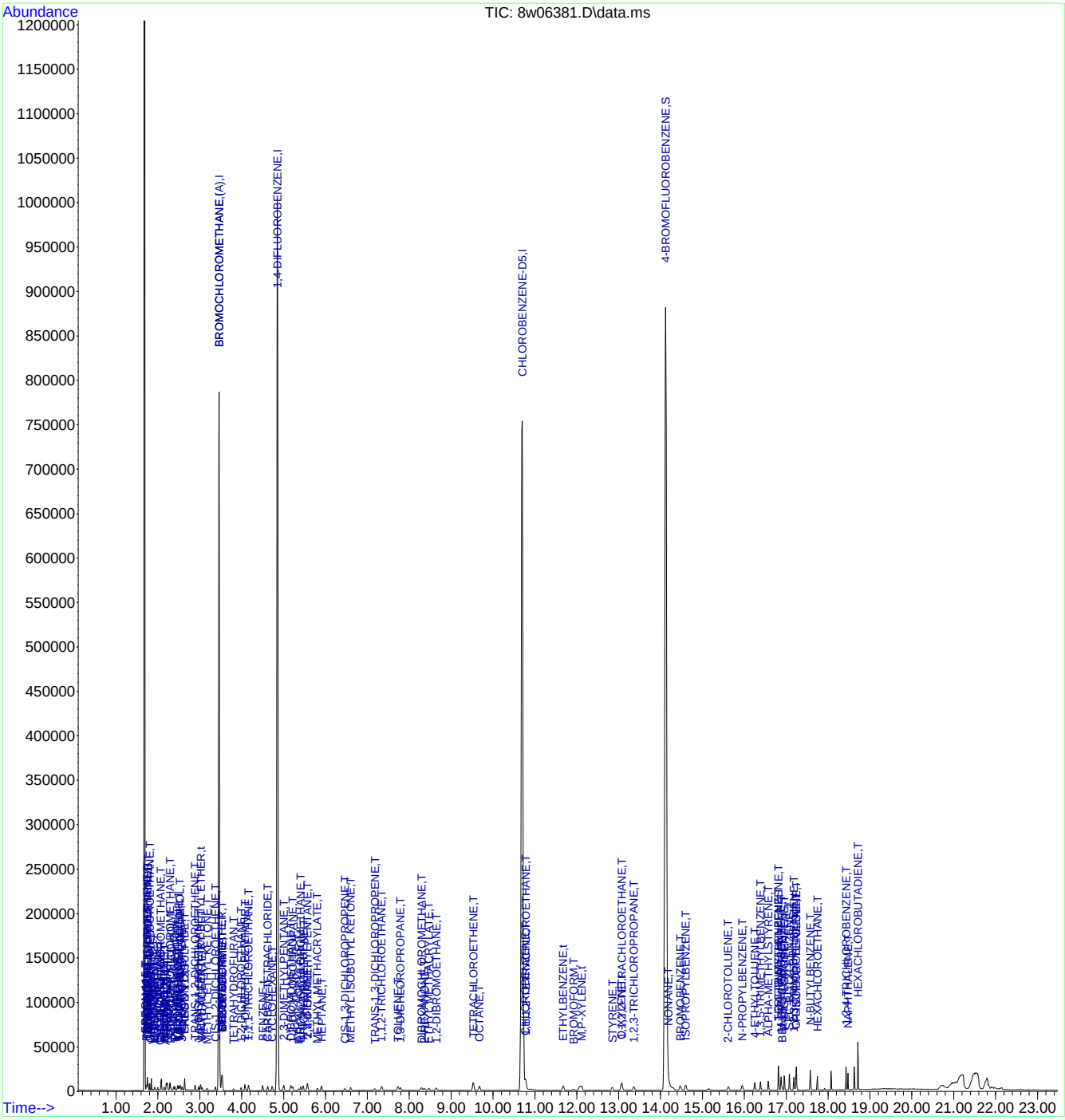
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54)	2,3-DIMETHYLPENTANE	5.002	71	926	0.10	PPBV	#	83
55)	TRICHLOROETHENE	5.471	95	2262	0.10	PPBV		94
56)	1,2-DICHLOROPROPANE	5.215	63	1520	0.09	PPBV		93
57)	DIBROMOMETHANE	5.179	174	2528	0.12	PPBV		96
58)	ETHYL ACRYLATE	5.361	55	2945	0.08	PPBV	#	97
59)	BROMODICHLOROMETHANE	5.410	83	3087	0.08	PPBV	#	91
60)	2,2,4-TRIMETHYLPENTANE	5.569	57	6968	0.09	PPBV	#	96
61)	1,4-DIOXANE	5.569	88	1006	0.10	PPBV	#	1
62)	HEPTANE	5.910	57	1205	0.08	PPBV		94
63)	METHYL METHACRYLATE	5.800	69	1255	0.08	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.599	58	1233	0.08	PPBV	#	96
65)	CIS-1,3-DICHLOROPROPENE	6.465	75	1990	0.07	PPBV		97
66)	TOLUENE	7.733	91	4864	0.09	PPBV		98
67)	1,3-DICHLOROPROPANE	7.788	76	2553	0.09	PPBV		94
68)	TRANS-1,3-DICHLOROPROPENE	7.184	75	1332	0.05	PPBV	#	88
69)	1,1,2-TRICHLOROETHANE	7.337	83	1498	0.09	PPBV		95
70)	2-HEXANONE	8.355	58	1540	0.07	PPBV		97
71)	ETHYL METHACRYLATE	8.465	69	1813	0.07	PPBV	#	94
72)	TETRACHLOROETHENE	9.531	164	2968	0.12	PPBV		98
73)	DIBROMOCHLOROMETHANE	8.294	129	2416	0.07	PPBV		94
74)	1,2-DIBROMOETHANE	8.647	107	2961	0.10	PPBV	#	95
75)	OCTANE	9.672	85	1074	0.06	PPBV		80
77)	1,1,1,2-TETRACHLOROETHANE	10.781	131	2356	0.09	PPBV	#	74
78)	CHLOROBENZENE	10.775	112	4498	0.10	PPBV		89
79)	ETHYLBENZENE	11.671	91	6546	0.09	PPBV		100
80)	M,P-XYLENE	12.116	91	9619	0.16	PPBV	#	68
81)	O-XYLENE	13.061	91	4857	0.08	PPBV	#	94
82)	STYRENE	12.848	104	3007	0.07	PPBV		99
83)	NONANE	14.183	85	1212	0.09	PPBV	#	19
84)	BROMOFORM	11.927	173	1129	0.03	PPBV	#	95
85)	1,1,2,2-TETRACHLOROETHANE	13.073	83	3853	0.10	PPBV	#	94
86)	1,2,3-TRICHLOROPROPANE	13.360	75	3114	0.09	PPBV		98
88)	ISOPROPYLBENZENE	14.598	120	1738	0.08	PPBV		96
89)	BROMOBENZENE	14.470	77	3845	0.09	PPBV		97
90)	2-CHLOROTOLUENE	15.610	126	1578	0.08	PPBV		84
91)	N-PROPYLBENZENE	15.951	120	1505	0.07	PPBV		96
92)	4-ETHYLTOLUENE	16.250	105	6259	0.07	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.384	105	5377	0.07	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.573	118	2527	0.07	PPBV		97
95)	TERT-BUTYLBENZENE	16.817	134	1249	0.09	PPBV		90
96)	1,2,4-TRIMETHYLBENZENE	16.817	105	5822	0.08	PPBV		99
97)	BENZYL CHLORIDE	16.902	91	2246	0.05	PPBV		98
98)	M-DICHLOROBENZENE	16.878	146	4607	0.10	PPBV		98
99)	P-DICHLOROBENZENE	16.957	146	4580	0.10	PPBV		98
100)	O-DICHLOROBENZENE	17.231	146	4475	0.10	PPBV		94
101)	SEC-BUTYLBENZENE	17.079	134	1752	0.09	PPBV		91
102)	1,2,3-TRIMETHYLBENZENE	17.183	105	6198	0.09	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.243	134	1984	0.10	PPBV		81
104)	N-BUTYLBENZENE	17.573	134	1854	0.09	PPBV		88
105)	HEXACHLOROETHANE	17.743	117	1515	0.06	PPBV		96
106)	HEXACHLOROBUTADIENE	18.713	225	4997	0.12	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	18.432	180	4475	0.10	PPBV		97
108)	NAPHTHALENE	18.475	128	7392	0.08	PPBV		99
110)	TVHC as equiv Pentane	2.405	TIC	8826	0.16	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06381.D
Acq On : 22 Jul 2024 11:30 pm
Operator : thomash
Sample : ic244-0.1
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 23 09:53:00 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/23/24 21:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06382.D
Acq On : 23 Jul 2024 12:06 am
Operator : thomash
Sample : ic244-0.2
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 23 10:00:24 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.459	128	153942	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	744979	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.696	117	655269	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	153942	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.122	95	551789	10.09	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.697	119	1075	0.21	PPBV		94
3) FREON 152A	1.728	65	1785	0.19	PPBV		93
4) CHLORODIFLUOROMETHANE	1.740	67	1090	0.20	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.752	116	4003	0.19	PPBV		93
6) DICHLORODIFLUOROMETHANE	1.771	85	8310	0.19	PPBV		99
7) PROPYLENE	1.746	41	2570	0.24	PPBV		93
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	6084	0.20	PPBV	#	94
9) FREON 114	1.844	85	5384	0.20	PPBV		90
10) CHLOROMETHANE	1.813	52	439	0.20	PPBV	#	40
11) VINYL CHLORIDE	1.880	62	1692	0.19	PPBV		94
12) 1,3-BUTADIENE	1.917	54	1139	0.18	PPBV	#	80
13) N-BUTANE	1.935	41	895	0.20	PPBV		97
14) BROMOMETHANE	1.996	94	1881	0.20	PPBV		98
15) CHLOROETHANE	2.051	64	1012	0.21	PPBV	#	59
16) DICHLOROFLUOROMETHANE	2.075	67	4417	0.18	PPBV	#	94
17) ACETONITRILE	2.149	41	1241	0.20	PPBV	#	50
18) ACROLEIN	2.191	56	303	0.08	PPBV	#	79
19) FREON 123	2.203	83	4641	0.19	PPBV		98
20) FREON 123A	2.222	117	3526	0.20	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.289	101	8070	0.19	PPBV		98
22) ISOPROPYL ALCOHOL	2.313	45	3551	0.21	PPBV	#	83
23) ACETONE	2.234	58	1535	0.34	PPBV		79
24) PENTANE	2.405	42	1714	0.23	PPBV		97
25) IODOMETHANE	2.466	142	5421	0.19	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.496	96	1803	0.18	PPBV		98
27) CARBON DISULFIDE	2.636	76	4082	0.17	PPBV	#	85
29) BROMOETHENE	2.155	106	1817	0.18	PPBV	#	87
30) ACRYLONITRILE	2.374	52	2969	0.52	PPBV		90
31) METHYLENE CHLORIDE	2.533	84	1964	0.23	PPBV		98
32) 3-CHLOROPROPENE	2.581	76	1013	0.23	PPBV		97
33) FREON 113	2.636	151	3832	0.18	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.886	96	3027	0.19	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.521	59	3445	0.17	PPBV	#	90
36) METHYL TERTIARY BUTYL ...	3.014	73	7300	0.17	PPBV	#	93
37) TETRAHYDROFURAN	3.795	72	1032	0.16	PPBV		87
38) HEXANE	3.514	57	4322	0.18	PPBV		90
39) VINYL ACETATE	3.051	86	653	0.18	PPBV	#	87
40) 1,1-DICHLOROETHANE	2.972	63	5342	0.18	PPBV		95
41) METHYL ETHYL KETONE	3.167	72	1250	0.18	PPBV		86
42) CIS-1,2-DICHLOROETHENE	3.374	96	3000	0.19	PPBV		98
43) DIISOPROPYL ETHER	3.526	45	10301	0.20	PPBV		98
44) ETHYL ACETATE	3.533	61	985	0.22	PPBV		84
45) METHYL ACRYLATE	3.520	55	5579	0.19	PPBV	#	95
46) CHLOROFORM	3.539	83	7212	0.20	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.081	57	5250	0.18	PPBV		93
48) 1,1,1-TRICHLOROETHANE	4.160	97	6971	0.17	PPBV		95
49) CARBON TETRACHLORIDE	4.624	117	6231	0.14	PPBV		97
50) 1,2-DICHLOROETHANE	3.984	62	5592	0.19	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06382.D
Acq On : 23 Jul 2024 12:06 am
Operator : thomash
Sample : ic244-0.2
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 23 10:00:24 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.496	78	8565	0.21	PPBV		99
53)	CYCLOHEXANE	4.727	84	3471	0.18	PPBV		96
54)	2,3-DIMETHYLPENTANE	4.996	71	1810	0.20	PPBV		96
55)	TRICHLOROETHENE	5.465	95	4303	0.19	PPBV		98
56)	1,2-DICHLOROPROPANE	5.209	63	3199	0.19	PPBV		95
57)	DIBROMOMETHANE	5.172	174	4905	0.24	PPBV		96
58)	ETHYL ACRYLATE	5.361	55	6010	0.15	PPBV		99
59)	BROMODICHLOROMETHANE	5.410	83	6066	0.15	PPBV		91
60)	2,2,4-TRIMETHYLPENTANE	5.569	57	14467	0.19	PPBV		99
61)	1,4-DIOXANE	5.544	88	1832	0.17	PPBV	#	26
62)	HEPTANE	5.904	57	2769	0.18	PPBV		94
63)	METHYL METHACRYLATE	5.800	69	2595	0.16	PPBV		94
64)	METHYL ISOBUTYL KETONE	6.593	58	2446	0.16	PPBV		92
65)	CIS-1,3-DICHLOROPROPENE	6.465	75	3935	0.14	PPBV		91
66)	TOLUENE	7.727	91	9032	0.16	PPBV		98
67)	1,3-DICHLOROPROPANE	7.788	76	5261	0.19	PPBV		98
68)	TRANS-1,3-DICHLOROPROPENE	7.178	75	3089	0.12	PPBV		98
69)	1,1,2-TRICHLOROETHANE	7.343	83	3262	0.20	PPBV		95
70)	2-HEXANONE	8.349	58	2975	0.14	PPBV		92
71)	ETHYL METHACRYLATE	8.471	69	3845	0.14	PPBV		95
72)	TETRACHLOROETHENE	9.525	164	5235	0.22	PPBV		93
73)	DIBROMOCHLOROMETHANE	8.288	129	4832	0.13	PPBV		95
74)	1,2-DIBROMOETHANE	8.641	107	5982	0.19	PPBV	#	93
75)	OCTANE	9.678	85	2419	0.14	PPBV		89
77)	1,1,1,2-TETRACHLOROETHANE	10.781	131	4862	0.19	PPBV	#	70
78)	CHLOROBENZENE	10.769	112	8863	0.20	PPBV		97
79)	ETHYLBENZENE	11.677	91	12123	0.16	PPBV		98
80)	M,P-XYLENE	12.104	91	19997	0.33	PPBV		91
81)	O-XYLENE	13.067	91	10313	0.17	PPBV		96
82)	STYRENE	12.848	104	6345	0.15	PPBV		94
83)	NONANE	14.183	85	2451	0.19	PPBV		89
84)	BROMOFORM	11.915	173	2400	0.07	PPBV	#	96
85)	1,1,2,2-TETRACHLOROETHANE	13.073	83	7599	0.20	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.366	75	6570	0.19	PPBV		98
88)	ISOPROPYLBENZENE	14.598	120	3533	0.16	PPBV		96
89)	BROMOBENZENE	14.470	77	8069	0.18	PPBV		95
90)	2-CHLOROTOLUENE	15.616	126	3248	0.16	PPBV		97
91)	N-PROPYLBENZENE	15.945	120	3379	0.15	PPBV		98
92)	4-ETHYLTOLUENE	16.250	105	13336	0.15	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	16.384	105	11836	0.16	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.573	118	5291	0.15	PPBV		94
95)	TERT-BUTYLBENZENE	16.811	134	2792	0.19	PPBV		92
96)	1,2,4-TRIMETHYLBENZENE	16.823	105	12831	0.18	PPBV		94
97)	BENZYL CHLORIDE	16.896	91	4537	0.09	PPBV		95
98)	M-DICHLOROBENZENE	16.878	146	9446	0.20	PPBV		97
99)	P-DICHLOROBENZENE	16.957	146	9355	0.20	PPBV		98
100)	O-DICHLOROBENZENE	17.231	146	9176	0.21	PPBV		99
101)	SEC-BUTYLBENZENE	17.073	134	3349	0.18	PPBV		92
102)	1,2,3-TRIMETHYLBENZENE	17.183	105	13339	0.18	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.243	134	4022	0.20	PPBV		93
104)	N-BUTYLBENZENE	17.573	134	3594	0.18	PPBV		93
105)	HEXACHLOROETHANE	17.743	117	3606	0.13	PPBV		90
106)	HEXACHLOROBUTADIENE	18.713	225	9426	0.22	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	18.426	180	8862	0.20	PPBV		99
108)	NAPHTHALENE	18.469	128	14957	0.16	PPBV		99
110)	TVHC as equiv Pentane	2.405	TIC	8597m	0.15	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06382.D
Acq On : 23 Jul 2024 12:06 am
Operator : thomash
Sample : ic244-0.2
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 23 10:00:24 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

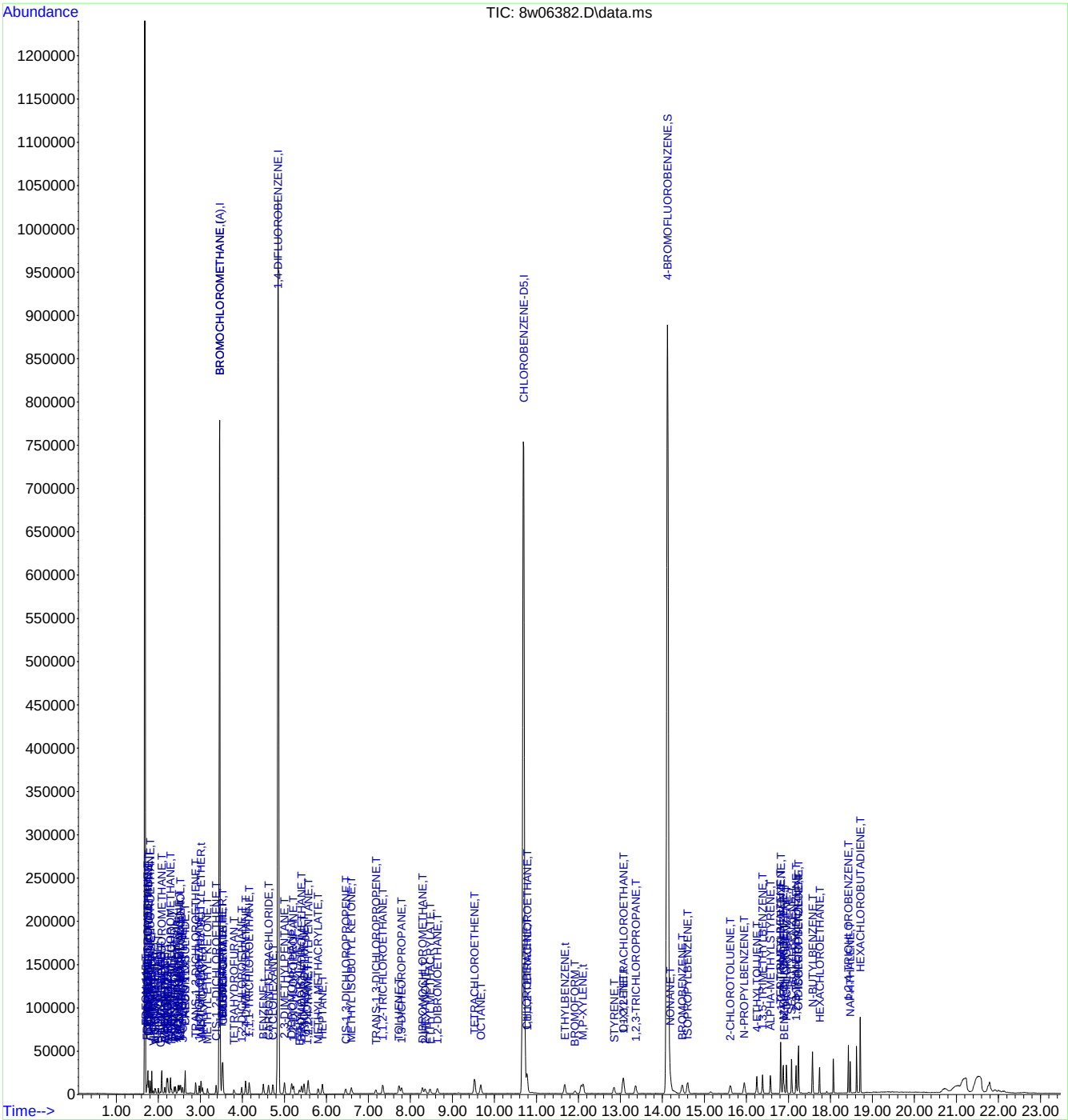
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06382.D
Acq On : 23 Jul 2024 12:06 am
Operator : thomash
Sample : ic244-0.2
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 23 10:00:24 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

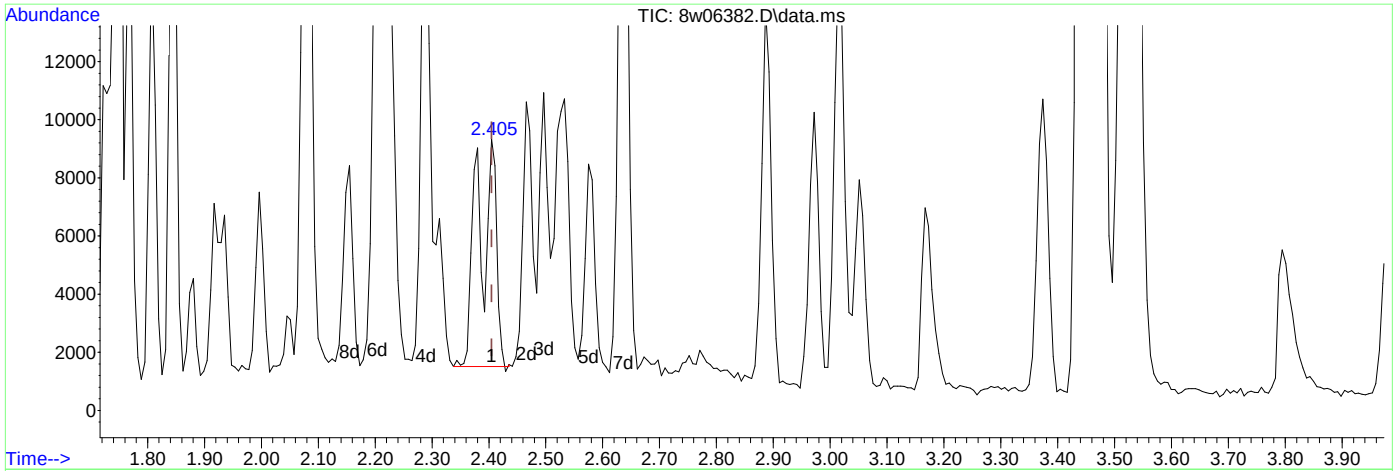
Sample Number:	V8W244-IC244	**Method:**	TO-15
Lab FileID:	8W06382.D	**Analyst approved:**	07/23/24 18:02 Thomas Hilbig
Injection Time:	07/23/24 00:06	**Supervisor approved:**	07/23/24 21:21 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06382.D
Acq On : 23 Jul 2024 12:06 am
Operator : thomash
Sample : ic244-0.2
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 23 09:43:46 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration



TIC: 8w06382.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.000) 0.30PPBV

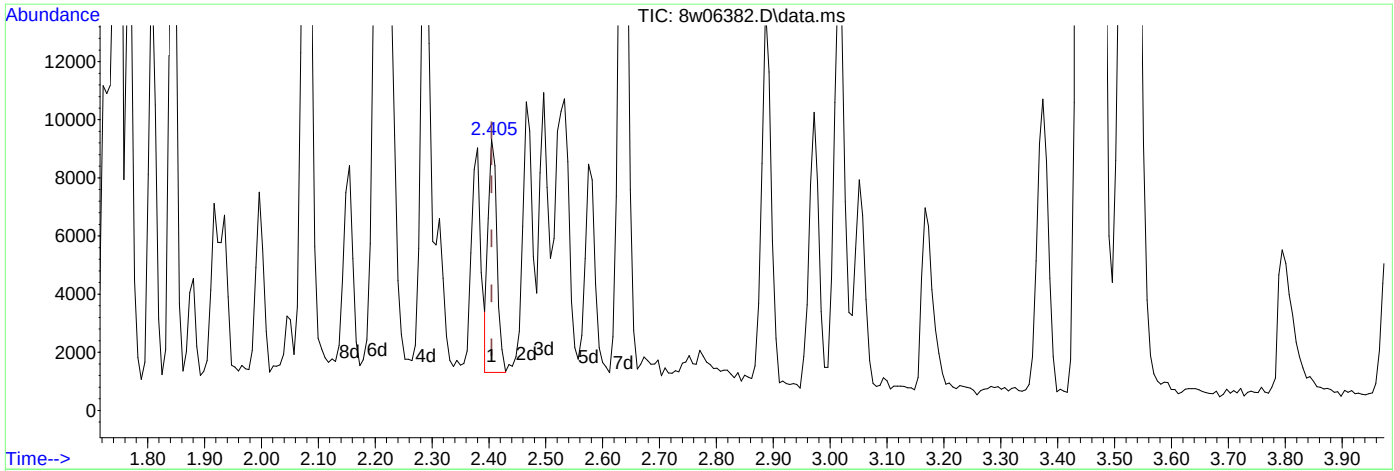
response 17033

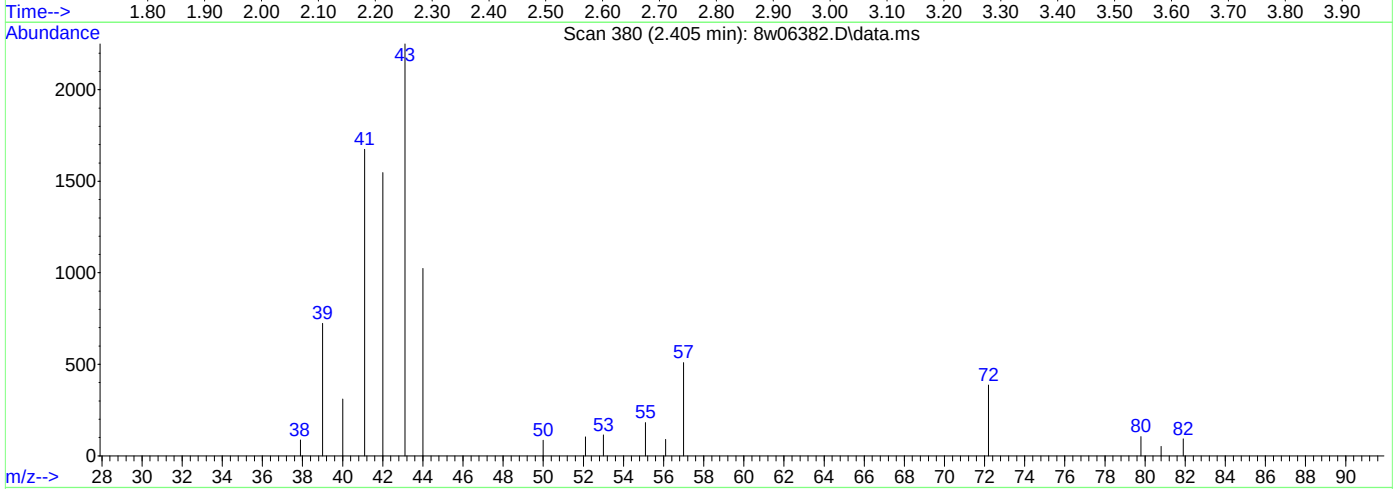
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06382.D
Acq On : 23 Jul 2024 12:06 am
Operator : thomash
Sample : ic244-0.2
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 23 09:43:46 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration





TIC: 8w06382.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.000) 0.15PPBV m

response 8597

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/23/24 21:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06386.D
Acq On : 23 Jul 2024 02:37 am
Operator : thomash
Sample : ic244-5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 10:23:28 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.459	128	150137	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	719831	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.696	117	641173	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	150137	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.122	95	536013	10.02	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.691	119	48216	9.77	PPBV		98
3) FREON 152A	1.722	65	44807	5.00	PPBV		98
4) CHLORODIFLUOROMETHANE	1.734	67	26624	5.00	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.752	116	103752	4.98	PPBV		90
6) DICHLORODIFLUOROMETHANE	1.765	85	208862	4.94	PPBV		99
7) PROPYLENE	1.746	41	52802	5.13	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	147240	4.95	PPBV	#	100
9) FREON 114	1.844	85	136138	5.13	PPBV		99
10) CHLOROMETHANE	1.813	52	10188	4.84	PPBV	#	35
11) VINYL CHLORIDE	1.874	62	42972	4.87	PPBV		99
12) 1,3-BUTADIENE	1.917	54	31018	4.98	PPBV		98
13) N-BUTANE	1.935	41	22241	5.20	PPBV		97
14) BROMOMETHANE	1.996	94	44360	4.86	PPBV		99
15) CHLOROETHANE	2.045	64	22679	4.89	PPBV		99
16) DICHLOROFLUOROMETHANE	2.075	67	117529	4.91	PPBV		99
17) ACETONITRILE	2.143	41	27429	4.52	PPBV		97
18) ACROLEIN	2.185	56	17549	4.81	PPBV		99
19) FREON 123	2.203	83	118913	4.96	PPBV		100
20) FREON 123A	2.222	117	85875	5.05	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.289	101	203658	4.98	PPBV		100
22) ISOPROPYL ALCOHOL	2.301	45	81495	4.93	PPBV		98
23) ACETONE	2.228	58	20870	4.75	PPBV		96
24) PENTANE	2.405	42	36716	5.07	PPBV		97
25) IODOMETHANE	2.466	142	139357	5.04	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.496	96	48874	4.90	PPBV		98
27) CARBON DISULFIDE	2.636	76	113804	4.84	PPBV		100
28) ETHANOL	2.075	45	17513	4.58	PPBV		96
29) BROMOETHENE	2.155	106	48279	4.84	PPBV		99
30) ACRYLONITRILE	2.374	52	28491	5.11	PPBV		99
31) METHYLENE CHLORIDE	2.533	84	40899	4.86	PPBV		96
32) 3-CHLOROPROPENE	2.575	76	20929	4.87	PPBV		99
33) FREON 113	2.636	151	101325	4.88	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.886	96	73989	4.81	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.508	59	91591	4.54	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.008	73	206687	4.99	PPBV		99
37) TETRAHYDROFURAN	3.770	72	31544	4.86	PPBV		99
38) HEXANE	3.514	57	120669	5.26	PPBV		100
39) VINYL ACETATE	3.051	86	16437	4.75	PPBV		94
40) 1,1-DICHLOROETHANE	2.972	63	141587	4.98	PPBV		100
41) METHYL ETHYL KETONE	3.161	72	33682	5.03	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.374	96	75527	4.95	PPBV		98
43) DIISOPROPYL ETHER	3.520	45	264387	5.35	PPBV		99
44) ETHYL ACETATE	3.526	61	23629	5.39	PPBV		99
45) METHYL ACRYLATE	3.508	55	151774	5.27	PPBV	#	99
46) CHLOROFORM	3.539	83	176971	5.10	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.075	57	145320	5.07	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.160	97	200417	4.89	PPBV		99
49) CARBON TETRACHLORIDE	4.624	117	209586	4.80	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06386.D
Acq On : 23 Jul 2024 02:37 am
Operator : thomash
Sample : ic244-5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 10:23:28 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 1,2-DICHLOROETHANE	3.984	62	145790	5.05	PPBV	99
51) BENZENE	4.496	78	207579	5.13	PPBV	100
53) CYCLOHEXANE	4.727	84	94574	5.16	PPBV	100
54) 2,3-DIMETHYLPENTANE	5.002	71	46200	5.22	PPBV	98
55) TRICHLOROETHENE	5.465	95	111734	5.04	PPBV	99
56) 1,2-DICHLOROPROPANE	5.215	63	82773	5.06	PPBV	99
57) DIBROMOMETHANE	5.172	174	100694	5.03	PPBV	99
58) ETHYL ACRYLATE	5.343	55	192455	5.00	PPBV	100
59) BROMODICHLOROMETHANE	5.410	83	185330	4.84	PPBV	95
60) 2,2,4-TRIMETHYLPENTANE	5.569	57	396595	5.28	PPBV	100
61) 1,4-DIOXANE	5.489	88	52555	5.07	PPBV	96
62) HEPTANE	5.904	57	78180	5.36	PPBV	99
63) METHYL METHACRYLATE	5.794	69	77685	5.09	PPBV	99
64) METHYL ISOBUTYL KETONE	6.575	58	77714	5.19	PPBV	99
65) CIS-1,3-DICHLOROPROPENE	6.465	75	128568	4.86	PPBV	99
66) TOLUENE	7.727	91	266312	4.96	PPBV	99
67) 1,3-DICHLOROPROPANE	7.788	76	141233	5.17	PPBV	99
68) TRANS-1,3-DICHLOROPROPENE	7.178	75	113628	4.52	PPBV	100
69) 1,1,2-TRICHLOROETHANE	7.343	83	81011	5.17	PPBV	99
70) 2-HEXANONE	8.324	58	100424	4.89	PPBV	97
71) ETHYL METHACRYLATE	8.458	69	133874	4.95	PPBV	100
72) TETRACHLOROETHENE	9.525	164	123312	5.26	PPBV	99
73) DIBROMOCHLOROMETHANE	8.288	129	181111	5.22	PPBV	99
74) 1,2-DIBROMOETHANE	8.641	107	158185	5.27	PPBV	99
75) OCTANE	9.678	85	88505	5.16	PPBV	98
77) 1,1,1,2-TETRACHLOROETHANE	10.781	131	132171	5.20	PPBV	98
78) CHLOROBENZENE	10.769	112	223903	5.25	PPBV	98
79) ETHYLBENZENE	11.677	91	380835	5.19	PPBV	99
80) M,P-XYLENE	12.110	91	616004	10.28	PPBV	88
81) O-XYLENE	13.061	91	317018	5.31	PPBV	99
82) STYRENE	12.848	104	212951	5.07	PPBV	100
83) NONANE	14.195	85	67267	5.22	PPBV	95
84) BROMOFORM	11.921	173	174038	5.01	PPBV	99
85) 1,1,2,2-TETRACHLOROETHANE	13.073	83	198102	5.36	PPBV	99
86) 1,2,3-TRICHLOROPROPANE	13.360	75	172837	5.09	PPBV	99
88) ISOPROPYLBENZENE	14.604	120	108080	5.14	PPBV	98
89) BROMOBENZENE	14.476	77	213362	4.97	PPBV	99
90) 2-CHLOROTOLUENE	15.622	126	98061	4.85	PPBV	100
91) N-PROPYLBENZENE	15.951	120	111729	5.04	PPBV	98
92) 4-ETHYLTOLUENE	16.250	105	448111	5.23	PPBV	99
93) 1,3,5-TRIMETHYLBENZENE	16.384	105	387746	5.32	PPBV	99
94) ALPHA-METHYLSTYRENE	16.573	118	168739	4.97	PPBV	98
95) TERT-BUTYLBENZENE	16.817	134	78919	5.59	PPBV	96
96) 1,2,4-TRIMETHYLBENZENE	16.823	105	384491	5.50	PPBV	99
97) BENZYL CHLORIDE	16.902	91	181637	3.86	PPBV	99
98) M-DICHLOROBENZENE	16.878	146	234809	5.12	PPBV	99
99) P-DICHLOROBENZENE	16.957	146	237798	5.28	PPBV	100
100) O-DICHLOROBENZENE	17.231	146	216055	5.12	PPBV	100
101) SEC-BUTYLBENZENE	17.079	134	99655	5.42	PPBV	99
102) 1,2,3-TRIMETHYLBENZENE	17.182	105	372797	5.22	PPBV	99
103) P-ISOPROPYLTOLUENE	17.243	134	105018	5.34	PPBV	99
104) N-BUTYLBENZENE	17.567	134	102375	5.21	PPBV	100
105) HEXACHLOROETHANE	17.737	117	138954	5.15	PPBV	98
106) HEXACHLOROBUTADIENE	18.707	225	225469	5.36	PPBV	100
107) 1,2,4-TRICHLOROBENZENE	18.420	180	206945	4.68	PPBV	100
108) NAPHTHALENE	18.463	128	379199	4.18	PPBV	100
110) TVHC as equiv Pentane	2.405	TIC	201063m	3.61	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06386.D
Acq On : 23 Jul 2024 02:37 am
Operator : thomash
Sample : ic244-5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 10:23:28 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

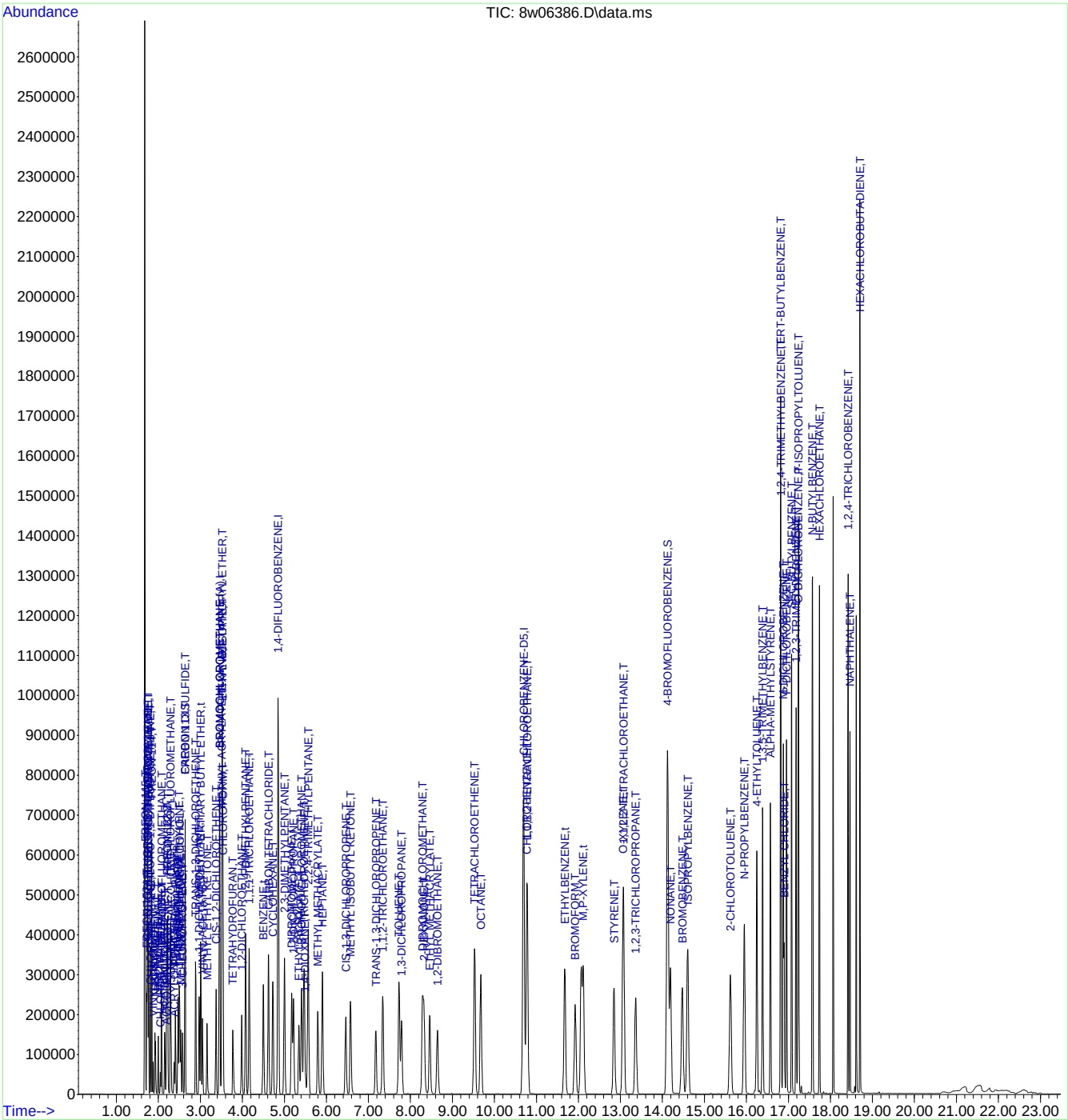
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06386.D
Acq On : 23 Jul 2024 02:37 am
Operator : thomash
Sample : ic244-5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 10:23:28 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

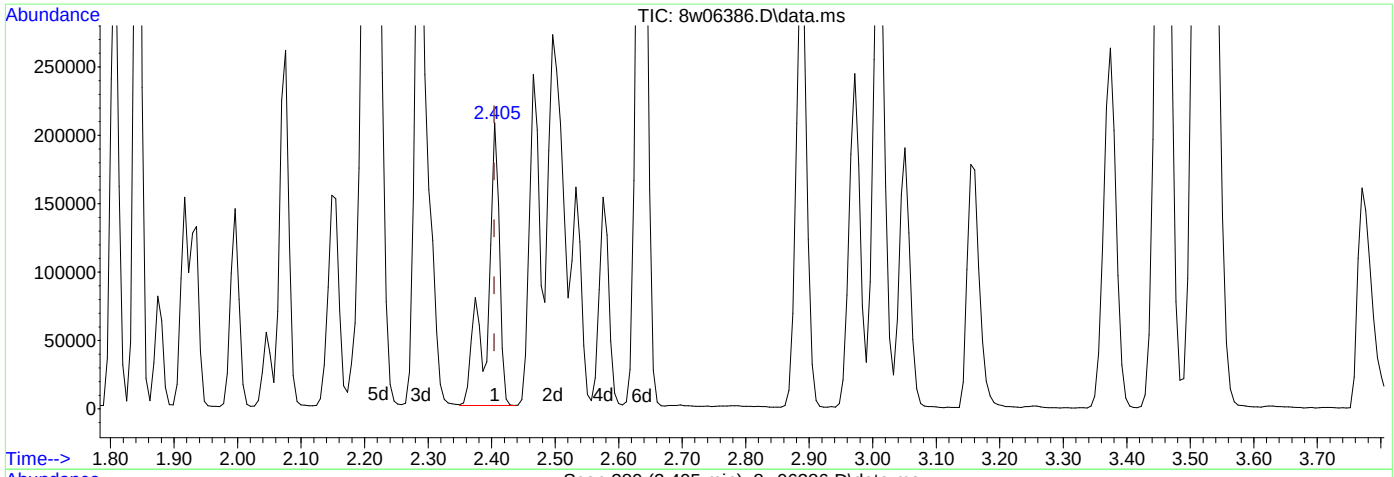
Sample Number:	V8W244-IC244	**Method:**	TO-15
Lab FileID:	8W06386.D	**Analyst approved:**	07/23/24 18:02 Thomas Hilbig
Injection Time:	07/23/24 02:37	**Supervisor approved:**	07/23/24 21:21 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06386.D
Acq On : 23 Jul 2024 02:37 am
Operator : thomash
Sample : ic244-5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:44:31 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration



TIC: 8w06386.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.000) 5.10PPBV

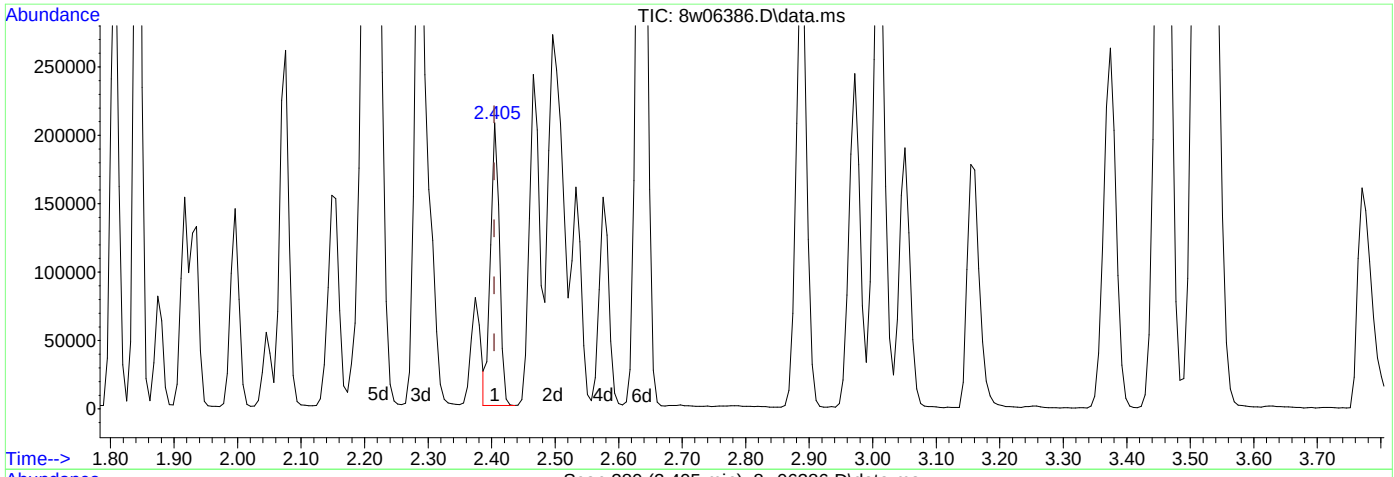
response 284097

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06386.D
Acq On : 23 Jul 2024 02:37 am
Operator : thomash
Sample : ic244-5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:44:31 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration



TIC: 8w06386.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.000) 3.61PPBV m

response 201063

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/23/24 21:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06387.D
Acq On : 23 Jul 2024 03:13 am
Operator : thomash
Sample : icc244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:32:27 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.459	128	147986	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	721402	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.696	117	648393	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	147986	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.122	95	541097	10.00	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.691	119	52068	10.70	PPBV		100
3) FREON 152A	1.722	65	94507	10.70	PPBV		100
4) CHLORODIFLUOROMETHANE	1.734	67	55597	10.60	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.752	116	215735	10.51	PPBV		91
6) DICHLORODIFLUOROMETHANE	1.764	85	441312	10.60	PPBV		100
7) PROPYLENE	1.746	41	110486	10.90	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	310938	10.60	PPBV	#	100
9) FREON 114	1.844	85	287759	11.00	PPBV		100
10) CHLOROMETHANE	1.813	52	21582	10.40	PPBV		100
11) VINYL CHLORIDE	1.874	62	89500	10.30	PPBV		100
12) 1,3-BUTADIENE	1.917	54	66344	10.80	PPBV		100
13) N-BUTANE	1.935	41	45537	10.80	PPBV		100
14) BROMOMETHANE	1.996	94	94492	10.50	PPBV		100
15) CHLOROETHANE	2.045	64	47549	10.40	PPBV		100
16) DICHLOROFLUOROMETHANE	2.075	67	250069	10.60	PPBV		100
17) ACETONITRILE	2.142	41	60355	10.10	PPBV		100
18) ACROLEIN	2.185	56	37736	10.50	PPBV		100
19) FREON 123	2.203	83	250712	10.60	PPBV		100
20) FREON 123A	2.222	117	184174	11.00	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.289	101	427618	10.60	PPBV		100
22) ISOPROPYL ALCOHOL	2.301	45	172640	10.60	PPBV		100
23) ACETONE	2.228	58	44519	10.29	PPBV		100
24) PENTANE	2.404	42	77790	10.90	PPBV		100
25) IODOMETHANE	2.465	142	299641	11.00	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.496	96	105286	10.70	PPBV		100
27) CARBON DISULFIDE	2.636	76	245790	10.60	PPBV		100
28) ETHANOL	2.075	45	38435	10.20	PPBV		100
29) BROMOETHENE	2.154	106	104219	10.60	PPBV		100
30) ACRYLONITRILE	2.374	52	60475	11.00	PPBV		100
31) METHYLENE CHLORIDE	2.532	84	87022	10.50	PPBV		96
32) 3-CHLOROPROPENE	2.575	76	44501	10.50	PPBV		100
33) FREON 113	2.636	151	216785	10.60	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.886	96	159210	10.51	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.508	59	197013	9.90	PPBV		100
36) METHYL TERTIARY BUTYL ...	3.008	73	441114	10.80	PPBV		100
37) TETRAHYDROFURAN	3.770	72	67334	10.53	PPBV		100
38) HEXANE	3.514	57	244297	10.80	PPBV		100
39) VINYL ACETATE	3.051	86	35502	10.41	PPBV		100
40) 1,1-DICHLOROETHANE	2.971	63	299787	10.70	PPBV		100
41) METHYL ETHYL KETONE	3.154	72	71071	10.78	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.374	96	161086	10.70	PPBV		100
43) DIISOPROPYL ETHER	3.520	45	525353	10.79	PPBV		100
44) ETHYL ACETATE	3.526	61	46634	10.79	PPBV		100
45) METHYL ACRYLATE	3.508	55	306541	10.80	PPBV	#	100
46) CHLOROFORM	3.538	83	369608	10.80	PPBV		100
47) 2,4-DIMETHYLPENTANE	4.075	57	305228	10.80	PPBV		100
48) 1,1,1-TRICHLOROETHANE	4.160	97	435953	10.80	PPBV		100
49) CARBON TETRACHLORIDE	4.624	117	464734	10.80	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06387.D
Acq On : 23 Jul 2024 03:13 am
Operator : thomash
Sample : icc244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:32:27 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 1,2-DICHLOROETHANE	3.983	62	309840	10.89	PPBV	100
51) BENZENE	4.502	78	439046	11.00	PPBV	100
53) CYCLOHEXANE	4.727	84	200003	10.90	PPBV	100
54) 2,3-DIMETHYLPENTANE	5.002	71	95843	10.80	PPBV	100
55) TRICHLOROETHENE	5.465	95	233294	10.50	PPBV	100
56) 1,2-DICHLOROPROPANE	5.215	63	172144	10.50	PPBV	100
57) DIBROMOMETHANE	5.172	174	210732	10.50	PPBV	100
58) ETHYL ACRYLATE	5.343	55	412680	10.70	PPBV	100
59) BROMODICHLOROMETHANE	5.410	83	402611	10.50	PPBV	100
60) 2,2,4-TRIMETHYLPENTANE	5.569	57	812516	10.80	PPBV	100
61) 1,4-DIOXANE	5.477	88	109133	10.50	PPBV	100
62) HEPTANE	5.904	57	160805	11.00	PPBV	100
63) METHYL METHACRYLATE	5.794	69	166827	10.90	PPBV	100
64) METHYL ISOBUTYL KETONE	6.574	58	162204	10.80	PPBV	100
65) CIS-1,3-DICHLOROPROPENE	6.459	75	283307	10.69	PPBV	100
66) TOLUENE	7.733	91	570037	10.60	PPBV	100
67) 1,3-DICHLOROPROPANE	7.794	76	290136	10.60	PPBV	99
68) TRANS-1,3-DICHLOROPROPENE	7.178	75	256841	10.20	PPBV	100
69) 1,1,2-TRICHLOROETHANE	7.343	83	167872	10.70	PPBV	100
70) 2-HEXANONE	8.318	58	218203	10.59	PPBV	100
71) ETHYL METHACRYLATE	8.458	69	284792	10.50	PPBV	100
72) TETRACHLOROETHENE	9.531	164	255904	10.90	PPBV	100
73) DIBROMOCHLOROMETHANE	8.288	129	365044	10.50	PPBV	100
74) 1,2-DIBROMOETHANE	8.647	107	330754	11.00	PPBV	100
75) OCTANE	9.678	85	187479	10.90	PPBV	100
77) 1,1,1,2-TETRACHLOROETHANE	10.787	131	277663	10.80	PPBV	100
78) CHLOROBENZENE	10.775	112	465932	10.80	PPBV	100
79) ETHYLBENZENE	11.677	91	815792	11.00	PPBV	100
80) M,P-XYLENE	12.116	91	1297417	21.41	PPBV	100
81) O-XYLENE	13.067	91	657757	10.90	PPBV	100
82) STYRENE	12.848	104	466859	11.00	PPBV	100
83) NONANE	14.195	85	141970	10.90	PPBV	100
84) BROMOFORM	11.927	173	376208	10.70	PPBV	100
85) 1,1,2,2-TETRACHLOROETHANE	13.079	83	407638	10.90	PPBV	100
86) 1,2,3-TRICHLOROPROPANE	13.366	75	364159	10.60	PPBV	100
88) ISOPROPYLBENZENE	14.603	120	225423	10.60	PPBV	100
89) BROMOBENZENE	14.475	77	451109	10.40	PPBV	100
90) 2-CHLOROTOLUENE	15.622	126	210533	10.30	PPBV	100
91) N-PROPYLBENZENE	15.951	120	237596	10.60	PPBV	100
92) 4-ETHYLTOLUENE	16.250	105	944038	10.90	PPBV	100
93) 1,3,5-TRIMETHYLBENZENE	16.384	105	802814	10.90	PPBV	100
94) ALPHA-METHYLSTYRENE	16.573	118	357143	10.40	PPBV	100
95) TERT-BUTYLBENZENE	16.816	134	157080	11.00	PPBV	100
96) 1,2,4-TRIMETHYLBENZENE	16.823	105	778036	11.00	PPBV	100
97) BENZYL CHLORIDE	16.902	91	494041	10.39	PPBV	100
98) M-DICHLOROBENZENE	16.877	146	482432	10.40	PPBV	100
99) P-DICHLOROBENZENE	16.957	146	496570	10.89	PPBV	100
100) O-DICHLOROBENZENE	17.231	146	456557	10.70	PPBV	100
101) SEC-BUTYLBENZENE	17.073	134	202743	10.90	PPBV	100
102) 1,2,3-TRIMETHYLBENZENE	17.176	105	773066	10.70	PPBV	100
103) P-ISOPROPYLTOLUENE	17.243	134	214692	10.80	PPBV	100
104) N-BUTYLBENZENE	17.566	134	214816	10.80	PPBV	100
105) HEXACHLOROETHANE	17.731	117	300085	11.00	PPBV	100
106) HEXACHLOROBUTADIENE	18.694	225	459099	10.80	PPBV	100
107) 1,2,4-TRICHLOROBENZENE	18.414	180	487131	10.90	PPBV	100
108) NAPHTHALENE	18.456	128	998856	10.89	PPBV	100
110) TVHC as equiv Pentane	2.404	TIC	421448m	7.67	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06387.D
Acq On : 23 Jul 2024 03:13 am
Operator : thomash
Sample : icc244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:32:27 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

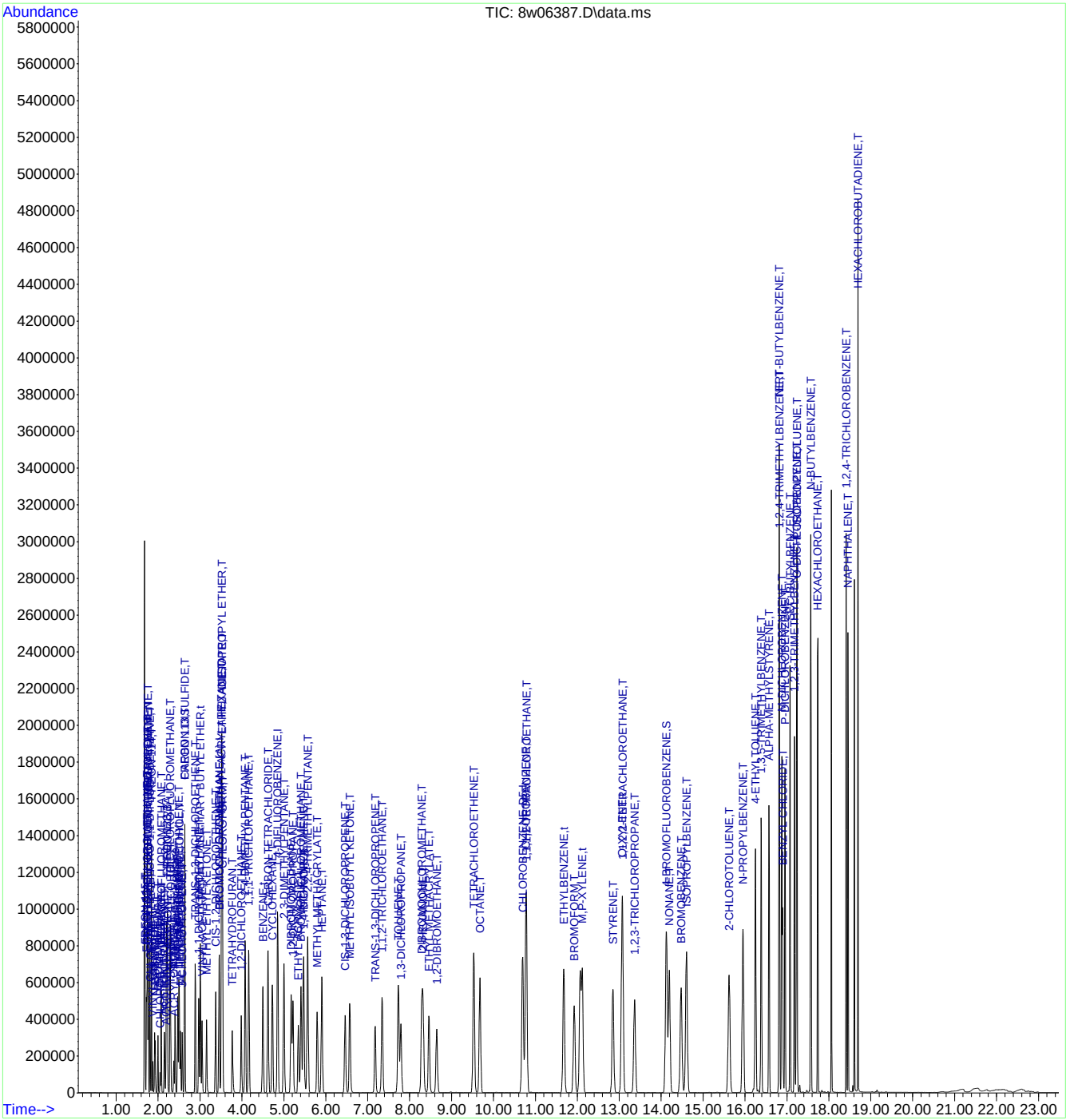
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06387.D
Acq On : 23 Jul 2024 03:13 am
Operator : thomash
Sample : icc244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:32:27 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

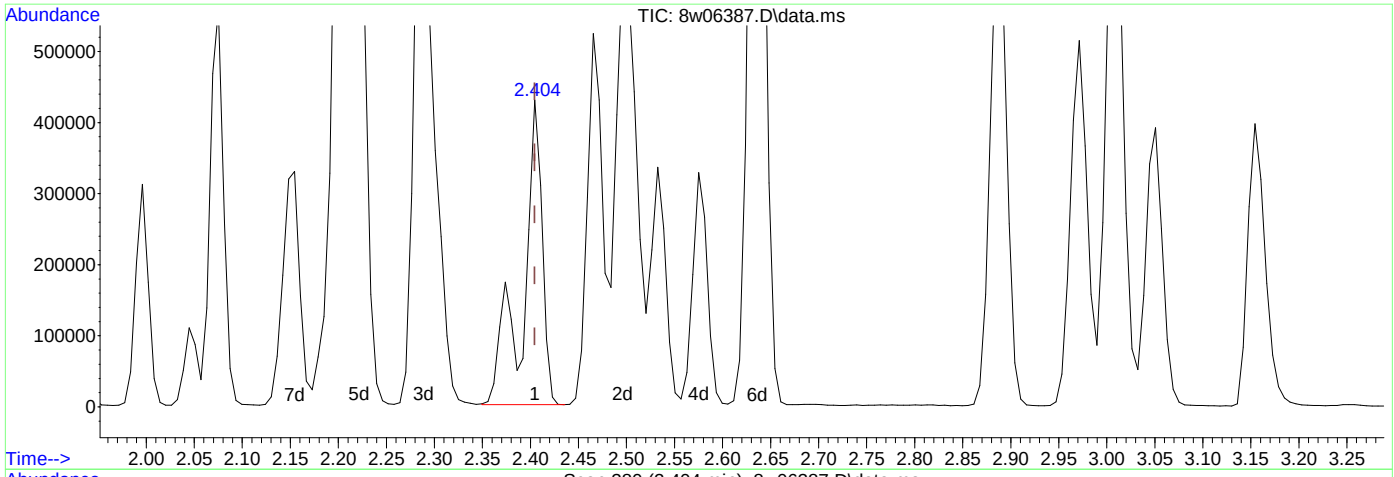
Sample Number:	V8W244-ICC244	**Method:**	TO-15
Lab FileID:	8W06387.D	**Analyst approved:**	07/23/24 18:02 Thomas Hilbig
Injection Time:	07/23/24 03:13	**Supervisor approved:**	07/23/24 21:21 Kanya Veerawat

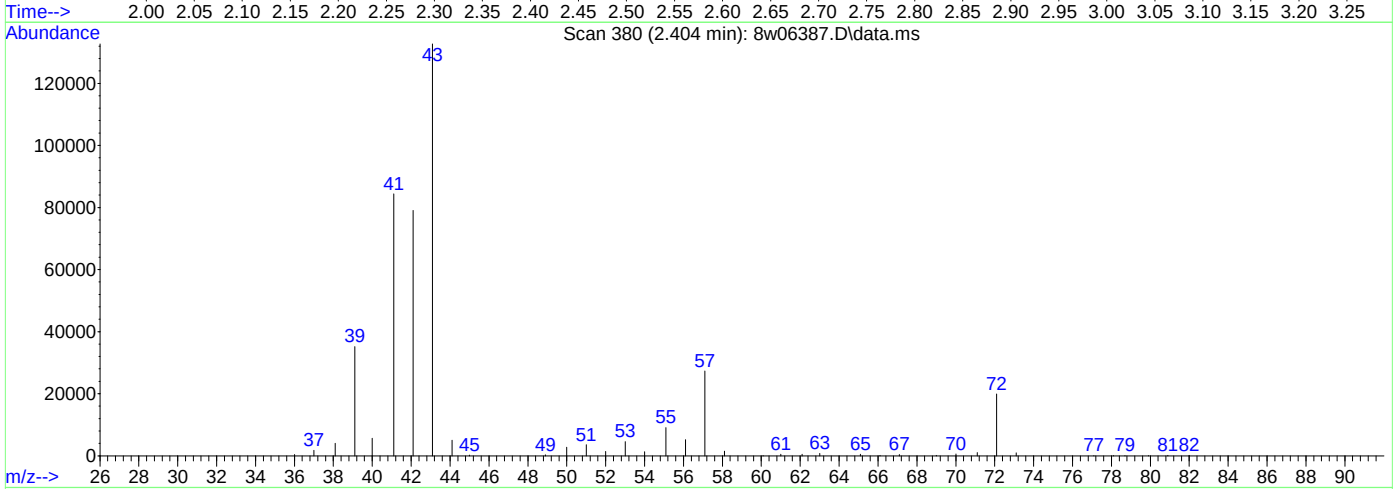
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06387.D
Acq On : 23 Jul 2024 03:13 am
Operator : thomash
Sample : icc244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:21:10 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration





TIC: 8w06387.D\data.ms

(110) TVHC as equiv Pentane

2.404min (0.000) 10.90PPBV

response 598804

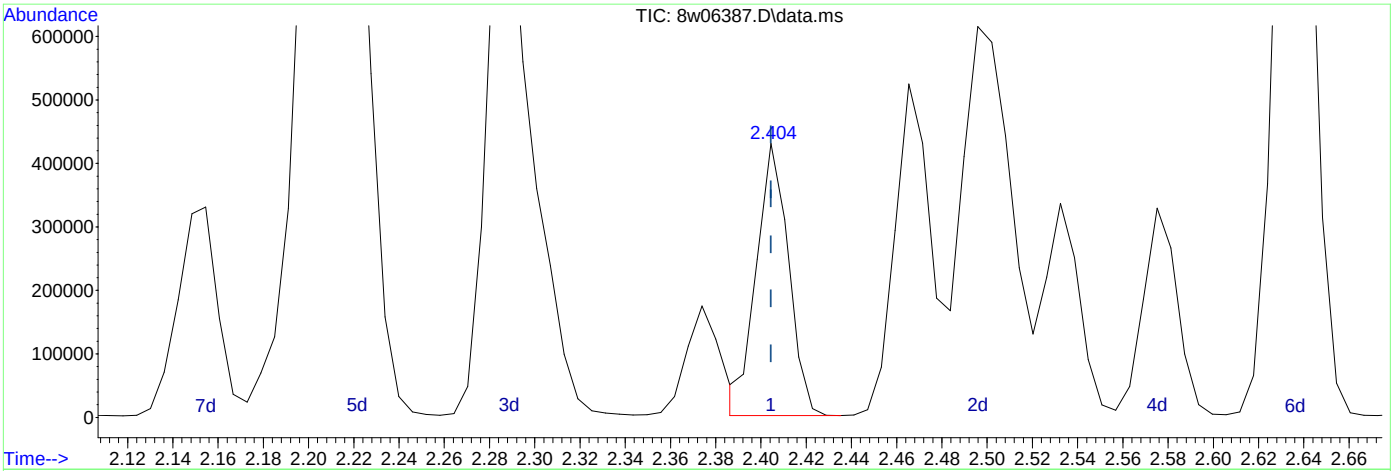
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

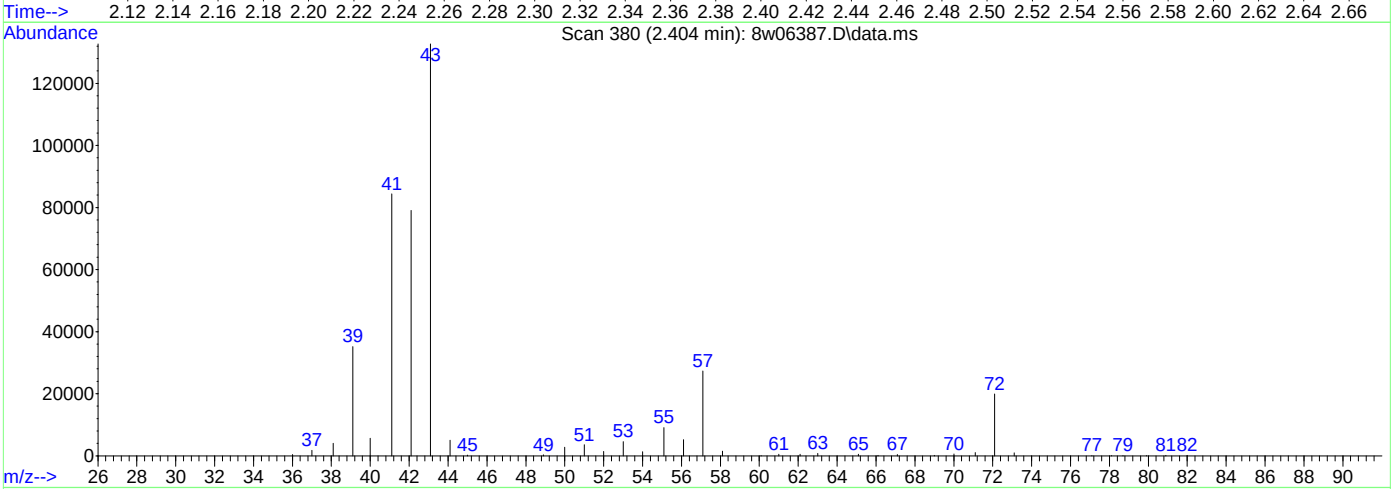
8W06387.D edits: TVHC as equiv Pentane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06387.D
Acq On : 23 Jul 2024 03:13 am
Operator : thomash
Sample : icc244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:32:27 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration





TIC: 8w06387.D\data.ms

(110) TVHC as equiv Pentane

2.404min (0.000) 7.67PPBV m

response 421448

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/23/24 21:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06388.D
Acq On : 23 Jul 2024 03:49 am
Operator : thomash
Sample : ic244-20
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:40:38 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.459	128	150059	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.855	114	728162	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.696	117	651557	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	150059	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.122	95	552508	10.16	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.691	119	77518	15.71	PPBV		99
3) FREON 152A	1.722	65	179177	20.00	PPBV		96
4) CHLORODIFLUOROMETHANE	1.740	67	106451	20.01	PPBV		93
5) CHLOROTRIFLUOROETHENE	1.752	116	387590	18.63	PPBV		95
6) DICHLORODIFLUOROMETHANE	1.764	85	820005	19.42	PPBV		99
7) PROPYLENE	1.746	41	194528	18.93	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	583234	19.61	PPBV	#	100
9) FREON 114	1.844	85	540954	20.39	PPBV		99
10) CHLOROMETHANE	1.813	52	39694	18.86	PPBV	#	37
11) VINYL CHLORIDE	1.874	62	173476	19.69	PPBV		99
12) 1,3-BUTADIENE	1.917	54	124227	19.94	PPBV		98
13) N-BUTANE	1.935	41	85150	19.92	PPBV		99
14) BROMOMETHANE	1.996	94	180479	19.78	PPBV		100
15) CHLOROETHANE	2.045	64	92449	19.94	PPBV		98
16) DICHLOROFLUOROMETHANE	2.075	67	469649	19.63	PPBV		100
17) ACETONITRILE	2.142	41	112812	18.62	PPBV		100
18) ACROLEIN	2.185	56	71643	19.66	PPBV		98
19) FREON 123	2.203	83	470677	19.62	PPBV		100
20) FREON 123A	2.222	117	348843	20.54	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.289	101	800067	19.56	PPBV		99
22) ISOPROPYL ALCOHOL	2.301	45	328075	19.86	PPBV		98
23) ACETONE	2.228	58	83889	19.12	PPBV		97
24) PENTANE	2.404	42	146768	20.28	PPBV		99
25) IODOMETHANE	2.465	142	578133	20.93	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.496	96	200481	20.09	PPBV		99
27) CARBON DISULFIDE	2.636	76	470258	20.00	PPBV		100
28) ETHANOL	2.075	45	69884	18.29	PPBV		97
29) BROMOETHENE	2.155	106	196745	19.73	PPBV		99
30) ACRYLONITRILE	2.374	52	116078	20.82	PPBV		99
31) METHYLENE CHLORIDE	2.533	84	165978	19.75	PPBV		94
32) 3-CHLOROPROPENE	2.581	76	86368	20.10	PPBV		97
33) FREON 113	2.636	151	419074	20.21	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.886	96	293690	19.12	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.508	59	381160	18.89	PPBV		98
36) METHYL TERTIARY BUTYL ...	3.008	73	849249	20.51	PPBV		98
37) TETRAHYDROFURAN	3.770	72	124559	19.21	PPBV		99
38) HEXANE	3.514	57	425514	18.55	PPBV		100
39) VINYL ACETATE	3.051	86	67593	19.55	PPBV		99
40) 1,1-DICHLOROETHANE	2.971	63	557151	19.61	PPBV		100
41) METHYL ETHYL KETONE	3.154	72	131432	19.66	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.374	96	300313	19.68	PPBV		100
43) DIISOPROPYL ETHER	3.526	45	907889	18.39	PPBV		99
44) ETHYL ACETATE	3.526	61	81801	18.66	PPBV		97
45) METHYL ACRYLATE	3.508	55	548827	19.07	PPBV	#	100
46) CHLOROFORM	3.538	83	682521	19.66	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.081	57	564567	19.70	PPBV		98
48) 1,1,1-TRICHLOROETHANE	4.166	97	830845	20.30	PPBV		99
49) CARBON TETRACHLORIDE	4.624	117	895040	20.51	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06388.D
Acq On : 23 Jul 2024 03:49 am
Operator : thomash
Sample : ic244-20
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:40:38 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50)	1,2-DICHLOROETHANE	3.983	62	582285	20.19	PPBV	99
51)	BENZENE	4.502	78	819320	20.24	PPBV	100
53)	CYCLOHEXANE	4.727	84	374369	20.21	PPBV	99
54)	2,3-DIMETHYLPENTANE	5.002	71	179610	20.05	PPBV	97
55)	TRICHLOROETHENE	5.471	95	431261	19.23	PPBV	99
56)	1,2-DICHLOROPROPANE	5.221	63	318178	19.22	PPBV	99
57)	DIBROMOMETHANE	5.178	174	390127	19.25	PPBV	100
58)	ETHYL ACRYLATE	5.349	55	767515	19.71	PPBV	100
59)	BROMODICHLOROMETHANE	5.410	83	770584	19.91	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.569	57	1482477	19.52	PPBV	100
61)	1,4-DIOXANE	5.477	88	198960	18.96	PPBV	98
62)	HEPTANE	5.910	57	298605	20.23	PPBV	98
63)	METHYL METHACRYLATE	5.794	69	311048	20.13	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.574	58	302404	19.95	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	6.465	75	552065	20.63	PPBV	100
66)	TOLUENE	7.733	91	1062805	19.58	PPBV	100
67)	1,3-DICHLOROPROPANE	7.794	76	543529	19.67	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	7.178	75	504070	19.83	PPBV	99
69)	1,1,2-TRICHLOROETHANE	7.349	83	311763	19.68	PPBV	100
70)	2-HEXANONE	8.324	58	402917	19.38	PPBV	100
71)	ETHYL METHACRYLATE	8.464	69	530876	19.39	PPBV	100
72)	TETRACHLOROETHENE	9.531	164	475679	20.07	PPBV	100
73)	DIBROMOCHLOROMETHANE	8.294	129	704965	20.08	PPBV	99
74)	1,2-DIBROMOETHANE	8.653	107	621809	20.48	PPBV	99
75)	OCTANE	9.678	85	352100	20.28	PPBV	98
77)	1,1,1,2-TETRACHLOROETHANE	10.787	131	528711	20.46	PPBV	99
78)	CHLOROBENZENE	10.775	112	867269	20.01	PPBV	100
79)	ETHYLBENZENE	11.677	91	1538375	20.64	PPBV	100
80)	M,P-XYLENE	12.122	91	2432538	39.95	PPBV	88
81)	O-XYLENE	13.073	91	1220928	20.13	PPBV	99
82)	STYRENE	12.854	104	874687	20.51	PPBV	99
83)	NONANE	14.201	85	264819	20.23	PPBV	97
84)	BROMOFORM	11.927	173	669701	18.95	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	13.085	83	748681	19.92	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	13.372	75	676142	19.59	PPBV	99
88)	ISOPROPYLBENZENE	14.604	120	421534	19.73	PPBV	99
89)	BROMOBENZENE	14.475	77	846040	19.41	PPBV	100
90)	2-CHLOROTOLUENE	15.622	126	395040	19.23	PPBV	99
91)	N-PROPYLBENZENE	15.957	120	441020	19.58	PPBV	99
92)	4-ETHYLTOLUENE	16.250	105	1736110	19.95	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	16.390	105	1464833	19.79	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.573	118	658672	19.09	PPBV	100
95)	TERT-BUTYLBENZENE	16.817	134	286892	19.99	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.823	105	1411871	19.86	PPBV	99
97)	BENZYL CHLORIDE	16.902	91	1064842	22.29	PPBV	99
98)	M-DICHLOROBENZENE	16.884	146	894698	19.19	PPBV	99
99)	P-DICHLOROBENZENE	16.957	146	912679	19.92	PPBV	99
100)	O-DICHLOROBENZENE	17.231	146	836426	19.51	PPBV	100
101)	SEC-BUTYLBENZENE	17.079	134	371407	19.87	PPBV	99
102)	1,2,3-TRIMETHYLBENZENE	17.182	105	1434776	19.76	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.243	134	392841	19.67	PPBV	100
104)	N-BUTYLBENZENE	17.566	134	398743	19.95	PPBV	98
105)	HEXACHLOROETHANE	17.737	117	565904	20.64	PPBV	99
106)	HEXACHLOROBUTADIENE	18.700	225	872142	20.42	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.420	180	944379	21.03	PPBV	100
108)	NAPHTHALENE	18.463	128	1955212	21.22	PPBV	99
110)	TVHC as equiv Pentane	2.404	TIC	760126m	13.64	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06388.D
Acq On : 23 Jul 2024 03:49 am
Operator : thomash
Sample : ic244-20
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:40:38 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

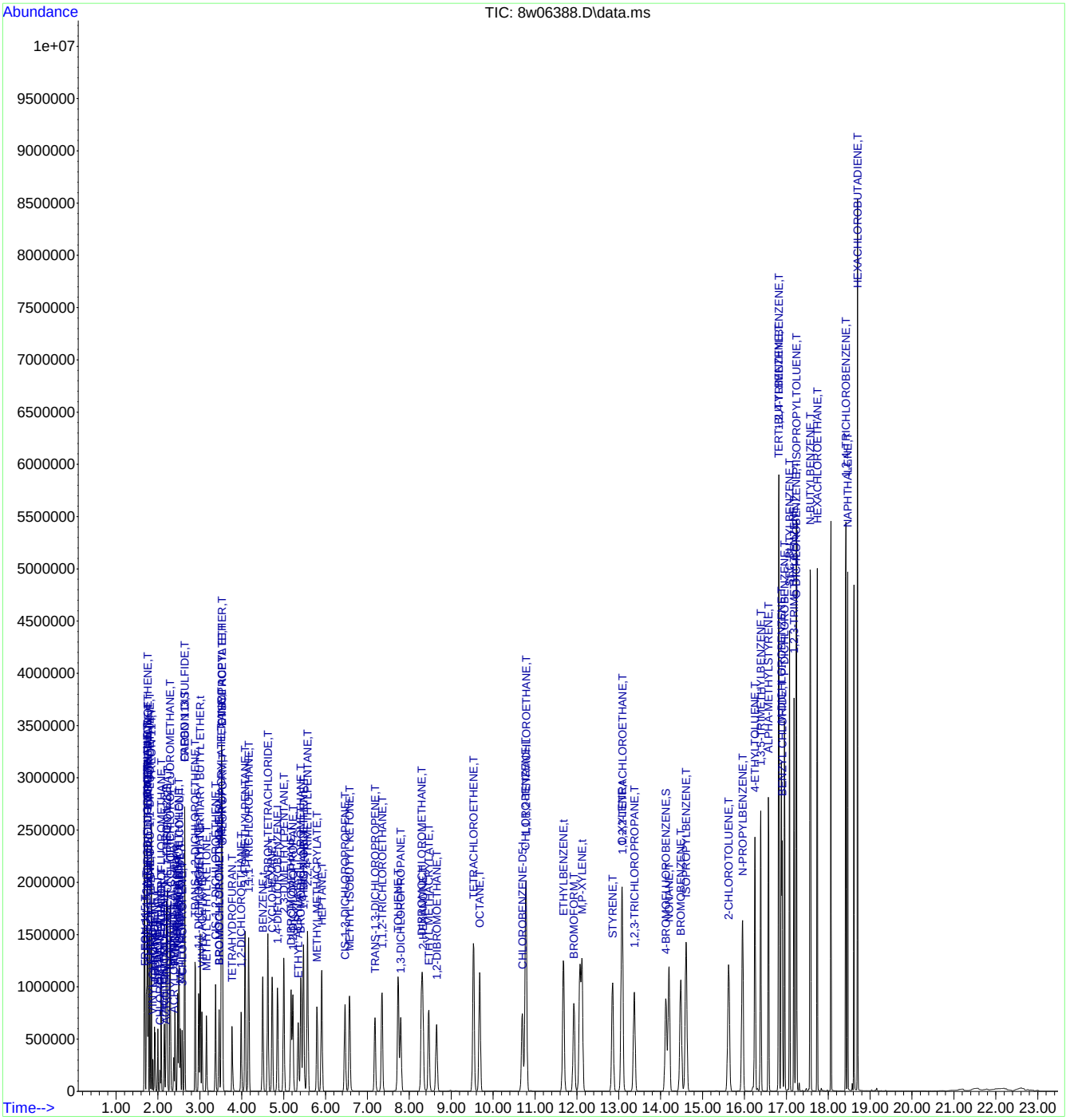
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06388.D
Acq On : 23 Jul 2024 03:49 am
Operator : thomash
Sample : ic244-20
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:40:38 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

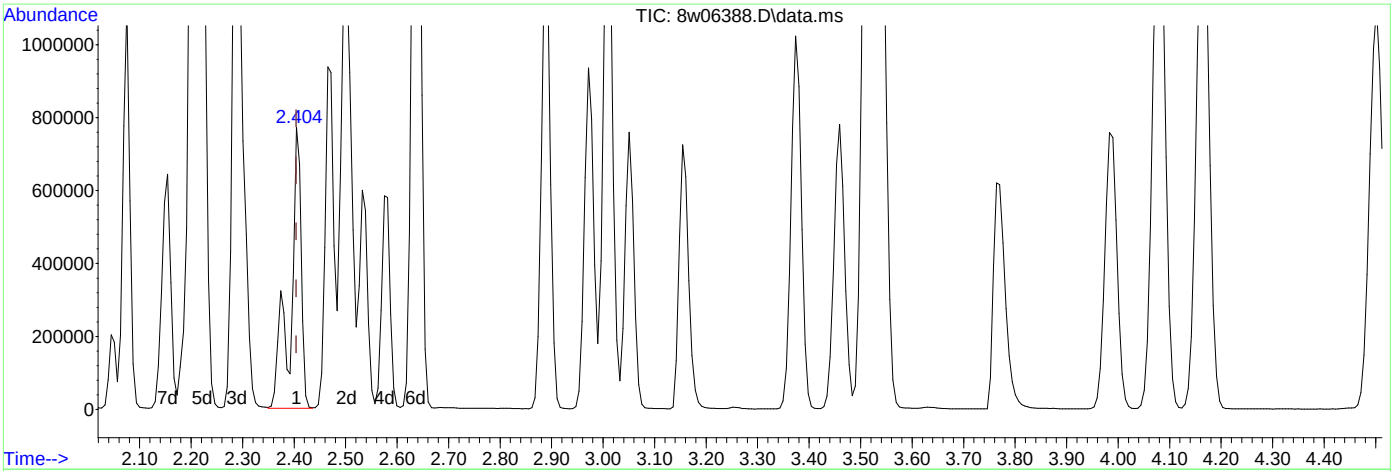
Sample Number:	V8W244-IC244	**Method:**	TO-15
Lab FileID:	8W06388.D	**Analyst approved:**	07/23/24 18:02 Thomas Hilbig
Injection Time:	07/23/24 03:49	**Supervisor approved:**	07/23/24 21:21 Kanya Veerawat

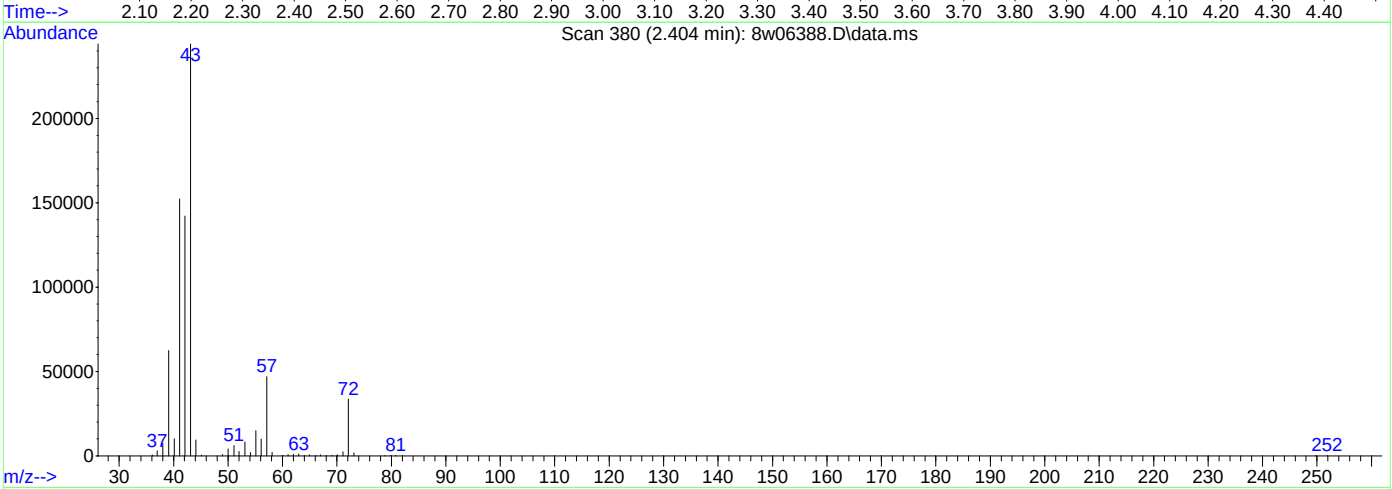
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06388.D
Acq On : 23 Jul 2024 03:49 am
Operator : thomash
Sample : ic244-20
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:32:44 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration





TIC: 8w06388.D\data.ms

(110) TVHC as equiv Pentane

2.404min (+0.000) 20.37PPBV

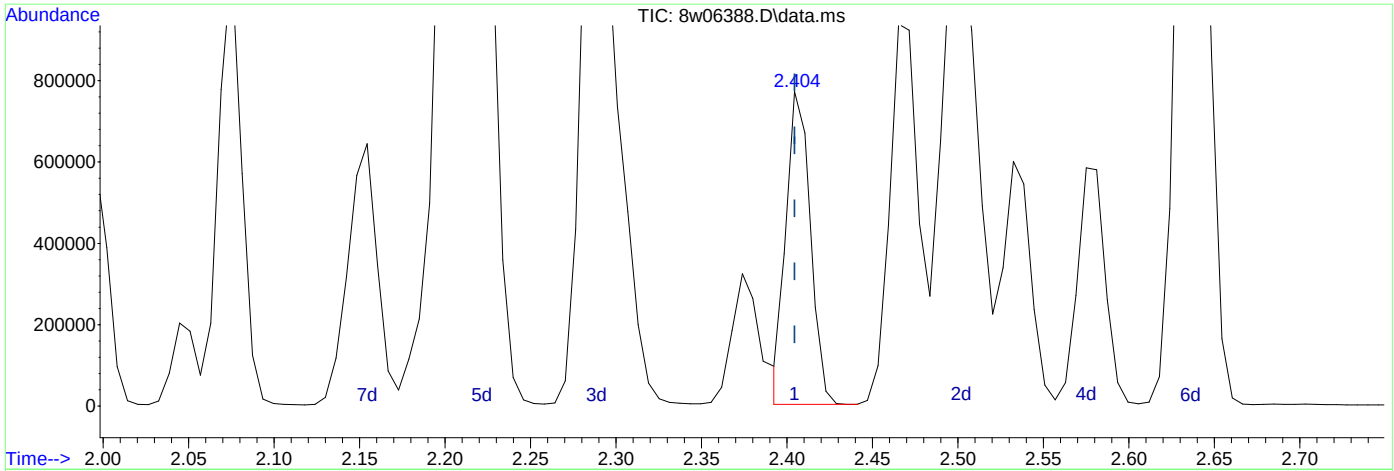
response 1134517

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06388.D
Acq On : 23 Jul 2024 03:49 am
Operator : thomash
Sample : ic244-20
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:40:38 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration



TIC: 8w06388.D\data.ms

(110) TVHC as equiv Pentane

2.404min (+0.000) 13.64PPBV m

response 760126

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

8W06389.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 07/23/24 21:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06389.D
Acq On : 23 Jul 2024 04:29 am
Operator : thomash
Sample : ic244-40
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 10:32:33 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.459	128	153888	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.855	114	741367	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.696	117	664344	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	153888	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.128	95	561258	10.12	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.722	65	339520	36.96	PPBV		93
4) CHLORODIFLUOROMETHANE	1.740	67	201974	37.03	PPBV		89
5) CHLOROTRIFLUOROETHENE	1.752	116	714364	33.48	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.764	85	1552893	35.87	PPBV		99
7) PROPYLENE	1.746	41	331184	31.42	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	1102362	36.14	PPBV	#	99
9) FREON 114	1.844	85	1042688	38.33	PPBV		97
10) CHLOROMETHANE	1.813	52	76990	35.68	PPBV	#	41
11) VINYL CHLORIDE	1.874	62	340118	37.64	PPBV		99
12) 1,3-BUTADIENE	1.917	54	242442	37.95	PPBV		99
13) N-BUTANE	1.935	41	163012	37.18	PPBV		99
14) BROMOMETHANE	1.996	94	358899	38.35	PPBV		100
15) CHLOROETHANE	2.045	64	181127	38.09	PPBV		98
16) DICHLOROFLUOROMETHANE	2.075	67	908878	37.04	PPBV		99
17) ACETONITRILE	2.142	41	218905	35.23	PPBV		99
18) ACROLEIN	2.185	56	142793	38.21	PPBV		99
19) FREON 123	2.203	83	918263	37.33	PPBV		100
20) FREON 123A	2.222	117	684811	39.33	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.289	101	1526662	36.39	PPBV		100
22) ISOPROPYL ALCOHOL	2.301	45	632788	37.36	PPBV		96
23) ACETONE	2.228	58	157778	35.07	PPBV		96
24) PENTANE	2.405	42	282096	38.01	PPBV		100
25) IODOMETHANE	2.466	142	1158430	40.89	PPBV		96
26) 1,1-DICHLOROETHYLENE	2.496	96	396654	38.76	PPBV		94
27) CARBON DISULFIDE	2.636	76	927282	38.46	PPBV		98
28) ETHANOL	2.075	45	134682	34.37	PPBV		97
29) BROMOETHENE	2.155	106	393497	38.48	PPBV		98
30) ACRYLONITRILE	2.374	52	228282	39.93	PPBV		99
31) METHYLENE CHLORIDE	2.533	84	328602	38.12	PPBV		92
32) 3-CHLOROPROPENE	2.575	76	172982	39.25	PPBV		94
33) FREON 113	2.636	151	830478	39.05	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	2.886	96	559993	35.54	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.508	59	752060	36.34	PPBV		96
36) METHYL TERTIARY BUTYL ...	3.008	73	1663176	39.16	PPBV		96
37) TETRAHYDROFURAN	3.764	72	243139	36.57	PPBV		97
38) HEXANE	3.514	57	743324	31.60	PPBV		99
39) VINYL ACETATE	3.051	86	136550	38.50	PPBV		95
40) 1,1-DICHLOROETHANE	2.972	63	1063591	36.50	PPBV		99
41) METHYL ETHYL KETONE	3.154	72	257998	37.63	PPBV		95
42) CIS-1,2-DICHLOROETHENE	3.374	96	580005	37.05	PPBV		100
43) DIISOPROPYL ETHER	3.526	45	1520536	30.03	PPBV		97
44) ETHYL ACETATE	3.526	61	144439	32.14	PPBV		85
45) METHYL ACRYLATE	3.508	55	976462	33.09	PPBV	#	100
46) CHLOROFORM	3.545	83	1287530	36.17	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.081	57	1057453	35.98	PPBV		98
48) 1,1,1-TRICHLOROETHANE	4.166	97	1636306	38.98	PPBV		99
49) CARBON TETRACHLORIDE	4.624	117	1777228	39.72	PPBV		99
50) 1,2-DICHLOROETHANE	3.990	62	1127149	38.11	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06389.D
Acq On : 23 Jul 2024 04:29 am
Operator : thomash
Sample : ic244-40
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 10:32:33 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.502	78	1577448	38.00	PPBV		99
53)	CYCLOHEXANE	4.727	84	721084	38.23	PPBV		98
54)	2,3-DIMETHYLPENTANE	5.002	71	342877	37.59	PPBV		96
55)	TRICHLOROETHENE	5.471	95	821333	35.96	PPBV		100
56)	1,2-DICHLOROPROPANE	5.221	63	605311	35.92	PPBV		98
57)	DIBROMOMETHANE	5.178	174	761725	36.92	PPBV		99
58)	ETHYL ACRYLATE	5.349	55	1472765	37.15	PPBV		100
59)	BROMODICHLOROMETHANE	5.416	83	1519882	38.56	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.575	57	2763197	35.73	PPBV		100
61)	1,4-DIOXANE	5.477	88	375811	35.18	PPBV		98
62)	HEPTANE	5.910	57	561371	37.36	PPBV		97
63)	METHYL METHACRYLATE	5.800	69	600007	38.14	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.575	58	579650	37.55	PPBV		97
65)	CIS-1,3-DICHLOROPROPENE	6.465	75	1105502	40.58	PPBV		100
66)	TOLUENE	7.739	91	2052294	37.13	PPBV		100
67)	1,3-DICHLOROPROPANE	7.800	76	1046726	37.20	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.184	75	1044617	40.36	PPBV		99
69)	1,1,2-TRICHLOROETHANE	7.349	83	594866	36.89	PPBV		100
70)	2-HEXANONE	8.324	58	765020	36.14	PPBV		99
71)	ETHYL METHACRYLATE	8.471	69	1032548	37.04	PPBV		99
72)	TETRACHLOROETHENE	9.537	164	938478	38.89	PPBV		100
73)	DIBROMOCHLOROMETHANE	8.294	129	1439148	40.27	PPBV		100
74)	1,2-DIBROMOETHANE	8.660	107	1203259	38.93	PPBV		99
75)	OCTANE	9.684	85	676351	38.26	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	10.793	131	1028576	39.05	PPBV		100
78)	CHLOROBENZENE	10.781	112	1657145	37.49	PPBV		100
79)	ETHYLBENZENE	11.683	91	2971726	39.11	PPBV		100
80)	M,P-XYLENE	12.128	91	4734673	76.26	PPBV	#	75
81)	O-XYLENE	13.079	91	2338274	37.82	PPBV		100
82)	STYRENE	12.860	104	1678091	38.59	PPBV		98
83)	NONANE	14.207	85	514806	38.58	PPBV		92
84)	BROMOFORM	11.933	173	1304719	36.22	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	13.092	83	1402784	36.61	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	13.378	75	1315164	37.36	PPBV		99
88)	ISOPROPYLBENZENE	14.616	120	814663	37.39	PPBV		100
89)	BROMOBENZENE	14.488	77	1647011	37.06	PPBV		100
90)	2-CHLOROTOLUENE	15.634	126	770515	36.79	PPBV		100
91)	N-PROPYLBENZENE	15.957	120	850016	37.01	PPBV		99
92)	4-ETHYLTOLUENE	16.256	105	3287410	37.05	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.396	105	2840270	37.64	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.579	118	1257785	35.75	PPBV		100
95)	TERT-BUTYLBENZENE	16.823	134	559703	38.25	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	16.829	105	2680420	36.99	PPBV		99
97)	BENZYL CHLORIDE	16.908	91	2279161	46.79	PPBV		99
98)	M-DICHLOROBENZENE	16.890	146	1721123	36.20	PPBV		99
99)	P-DICHLOROBENZENE	16.963	146	1766588	37.82	PPBV		100
100)	O-DICHLOROBENZENE	17.237	146	1624734	37.16	PPBV		99
101)	SEC-BUTYLBENZENE	17.079	134	717798	37.66	PPBV		94
102)	1,2,3-TRIMETHYLBENZENE	17.188	105	2756107	37.23	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.249	134	771901	37.90	PPBV		95
104)	N-BUTYLBENZENE	17.573	134	778377	38.20	PPBV		91
105)	HEXACHLOROETHANE	17.743	117	1068302	38.22	PPBV		95
106)	HEXACHLOROBUTADIENE	18.707	225	1915407	43.98	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	18.426	180	2028802	44.31	PPBV		99
108)	NAPHTHALENE	18.469	128	3905316	41.57	PPBV		99
110)	TVHC as equiv Pentane	2.405	TIC	1457262m	25.51	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06389.D
Acq On : 23 Jul 2024 04:29 am
Operator : thomash
Sample : ic244-40
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 10:32:33 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

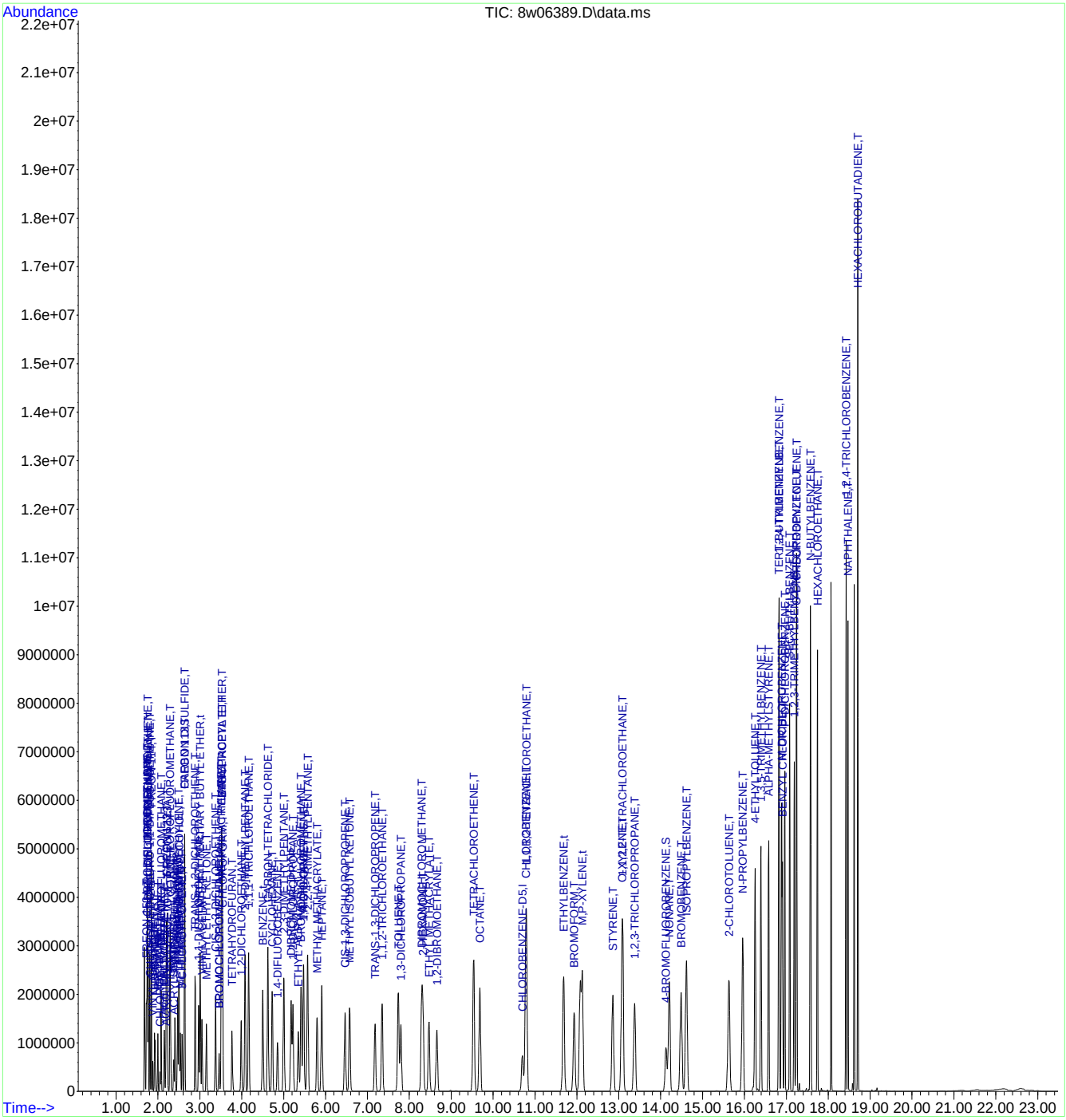
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06389.D
Acq On : 23 Jul 2024 04:29 am
Operator : thomash
Sample : ic244-40
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 10:32:33 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

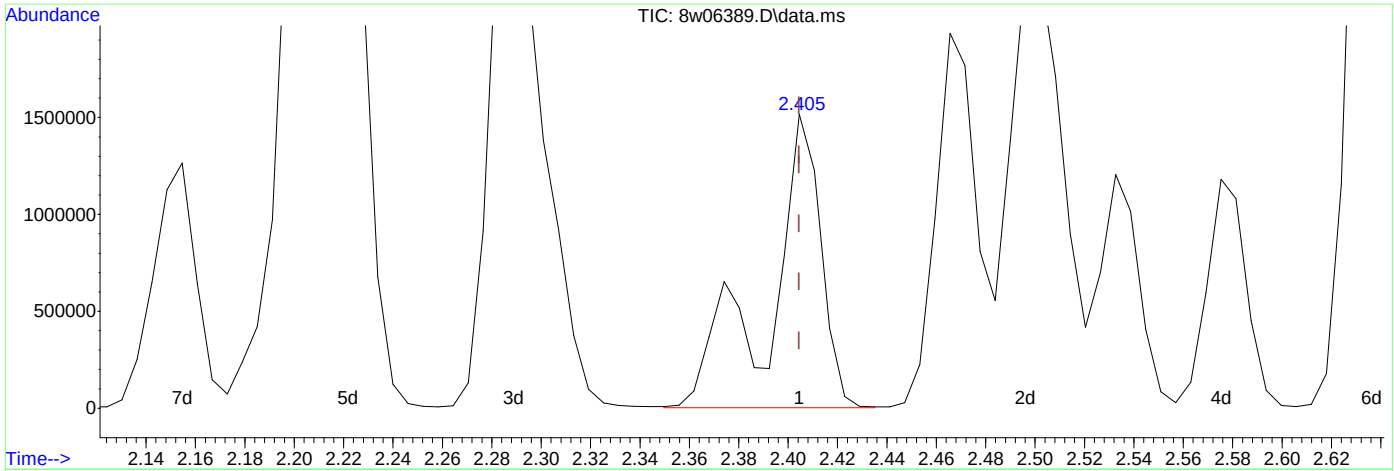
Sample Number:	V8W244-IC244	**Method:**	TO-15
Lab FileID:	8W06389.D	**Analyst approved:**	07/23/24 18:02 Thomas Hilbig
Injection Time:	07/23/24 04:29	**Supervisor approved:**	07/23/24 21:21 Kanya Veerawat

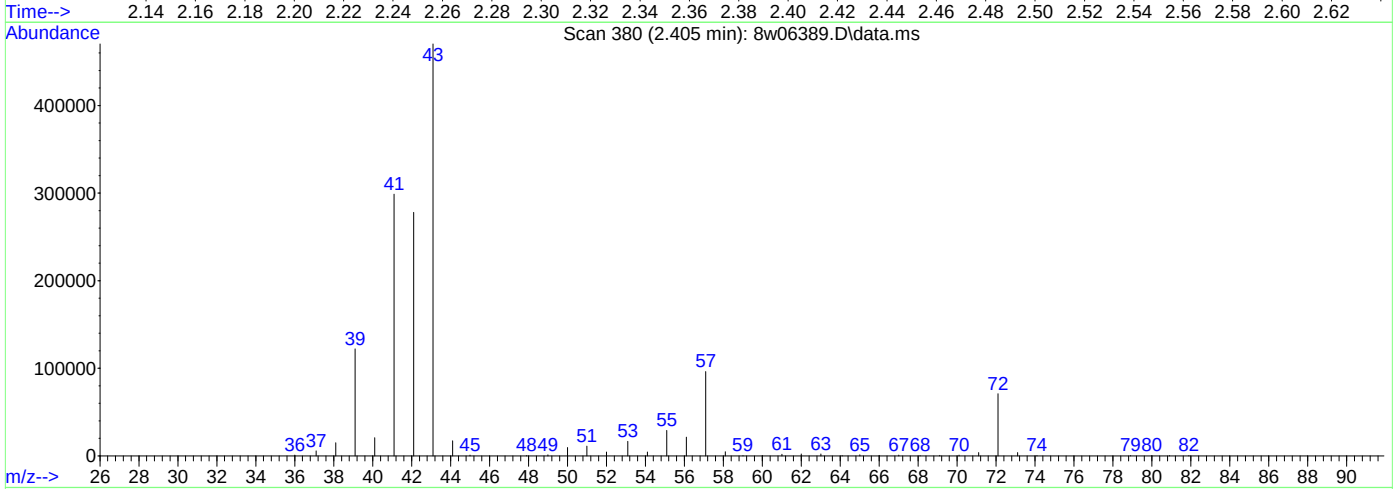
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06389.D
Acq On : 23 Jul 2024 04:29 am
Operator : thomash
Sample : ic244-40
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:41:44 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration





TIC: 8w06389.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.000) 38.74PPBV

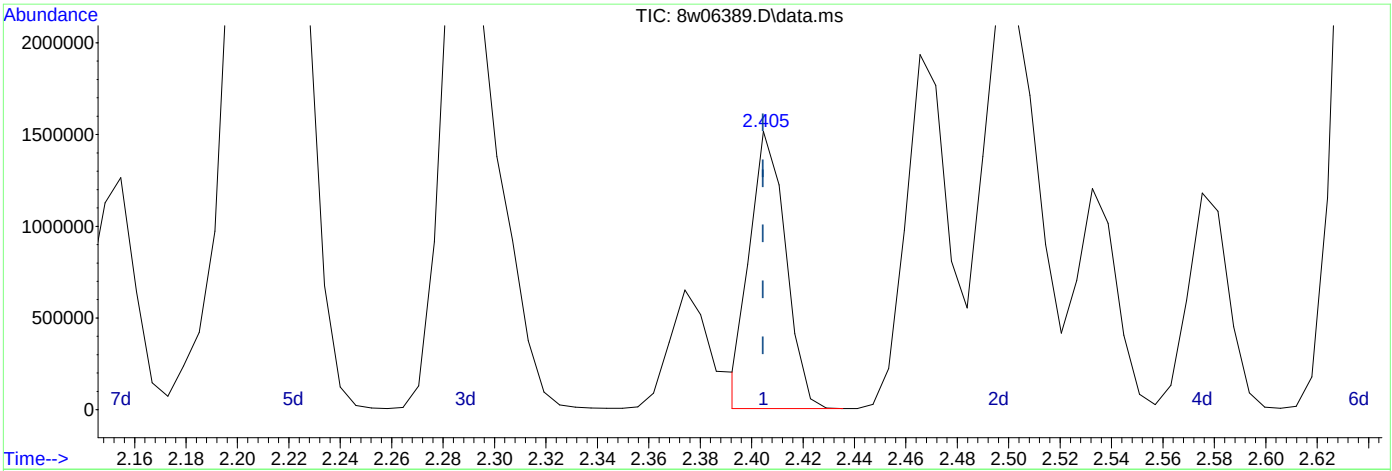
response 2213360

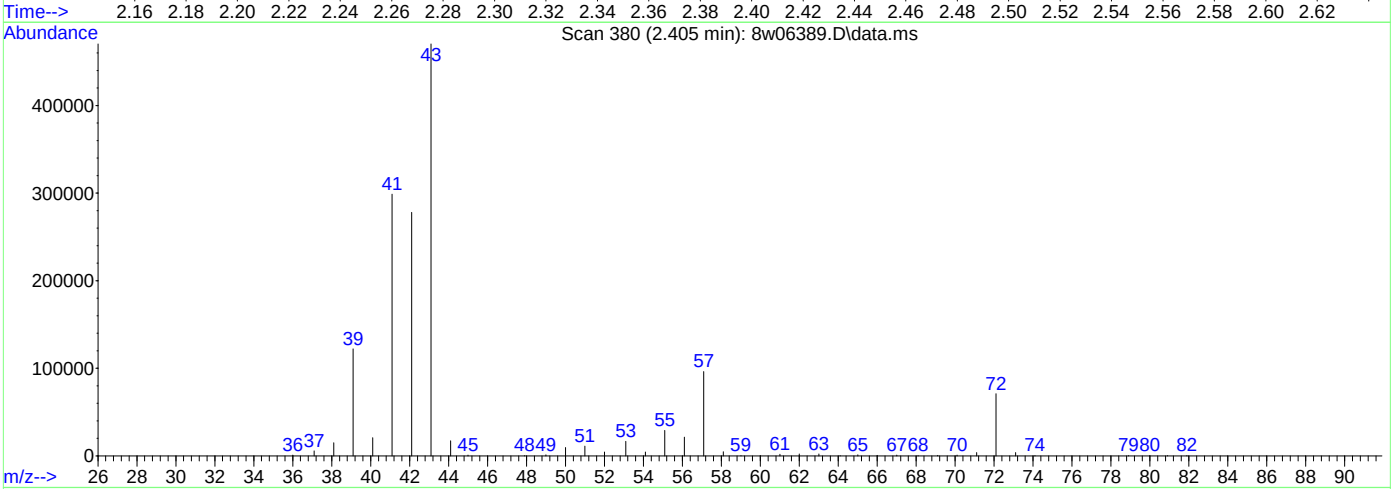
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06389.D
Acq On : 23 Jul 2024 04:29 am
Operator : thomash
Sample : ic244-40
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 10:32:33 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration





TIC: 8w06389.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.000) 25.51PPBV m

response 1457262

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/23/24 21:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06390.D
Acq On : 23 Jul 2024 05:10 am
Operator : thomash
Sample : ic244-50
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:37:07 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.459	128	154612	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.856	114	745887	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.696	117	663477	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	154612	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.128	95	559686	10.11	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.722	65	384409	41.66	PPBV		91
4) CHLORODIFLUOROMETHANE	1.734	67	235687	43.01	PPBV		82
5) CHLOROTRIFLUOROETHENE	1.752	116	819577	38.23	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.765	85	1815889	41.74	PPBV		99
7) PROPYLENE	1.746	41	371631	35.09	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	1288124	42.03	PPBV	#	100
9) FREON 114	1.844	85	1232452	45.09	PPBV		96
10) CHLOROMETHANE	1.813	52	90285	41.64	PPBV	#	40
11) VINYL CHLORIDE	1.874	62	407903	44.93	PPBV		99
12) 1,3-BUTADIENE	1.917	54	286157	44.58	PPBV		99
13) N-BUTANE	1.935	41	191063	43.37	PPBV		99
14) BROMOMETHANE	1.996	94	434248	46.18	PPBV		100
15) CHLOROETHANE	2.045	64	218166	45.67	PPBV		98
16) DICHLOROFLUOROMETHANE	2.076	67	1069432	43.38	PPBV		99
17) ACETONITRILE	2.143	41	257160	41.19	PPBV		99
18) ACROLEIN	2.185	56	169501	45.14	PPBV		99
19) FREON 123	2.204	83	1088408	44.05	PPBV		99
20) FREON 123A	2.222	117	819487	46.84	PPBV		94
21) TRICHLOROFLUOROMETHANE	2.289	101	1791381	42.50	PPBV		99
22) ISOPROPYL ALCOHOL	2.301	45	748521	43.99	PPBV		96
23) ACETONE	2.228	58	186438	41.24	PPBV		94
24) PENTANE	2.405	42	332273	44.56	PPBV		100
25) IODOMETHANE	2.466	142	1410661	49.56	PPBV		94
26) 1,1-DICHLOROETHYLENE	2.496	96	473307	46.04	PPBV		93
27) CARBON DISULFIDE	2.636	76	1105366	45.64	PPBV		98
28) ETHANOL	2.076	45	160313	40.72	PPBV		98
29) BROMOETHENE	2.155	106	474478	46.18	PPBV		99
30) ACRYLONITRILE	2.374	52	269648	46.94	PPBV		99
31) METHYLENE CHLORIDE	2.533	84	395578	45.68	PPBV		91
32) 3-CHLOROPROPENE	2.575	76	208451	47.07	PPBV		92
33) FREON 113	2.636	151	1000130	46.80	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.886	96	662350	41.84	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.508	59	907078	43.63	PPBV		95
36) METHYL TERTIARY BUTYL ...	3.008	73	1998608	46.84	PPBV		95
37) TETRAHYDROFURAN	3.764	72	293371	43.92	PPBV		94
38) HEXANE	3.514	57	854728	36.16	PPBV		100
39) VINYL ACETATE	3.051	86	165629	46.48	PPBV		91
40) 1,1-DICHLOROETHANE	2.972	63	1251985	42.77	PPBV		99
41) METHYL ETHYL KETONE	3.155	72	310015	45.00	PPBV		91
42) CIS-1,2-DICHLOROETHENE	3.374	96	690989	43.94	PPBV		99
43) DIISOPROPYL ETHER	3.527	45	1724112	33.90	PPBV	#	96
44) ETHYL ACETATE	3.527	61	166076	36.78	PPBV		82
45) METHYL ACRYLATE	3.508	55	1125351	37.96	PPBV	#	99
46) CHLOROFORM	3.545	83	1515265	42.37	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.081	57	1237767	41.92	PPBV		97
48) 1,1,1-TRICHLOROETHANE	4.167	97	1928684	45.73	PPBV		98
49) CARBON TETRACHLORIDE	4.624	117	2119717	47.15	PPBV		100
50) 1,2-DICHLOROETHANE	3.990	62	1326856	44.65	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06390.D
Acq On : 23 Jul 2024 05:10 am
Operator : thomash
Sample : ic244-50
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:37:07 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.502	78	1876118	44.99	PPBV	99
53)	CYCLOHEXANE	4.728	84	862285	45.44	PPBV	96
54)	2,3-DIMETHYLPENTANE	5.002	71	410012	44.68	PPBV	92
55)	TRICHLOROETHENE	5.471	95	970798	42.25	PPBV	100
56)	1,2-DICHLOROPROPANE	5.221	63	718687	42.39	PPBV	98
57)	DIBROMOMETHANE	5.179	174	919284	44.29	PPBV	97
58)	ETHYL ACRYLATE	5.349	55	1740921	43.65	PPBV	99
59)	BROMODICHLOROMETHANE	5.416	83	1809423	45.63	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.575	57	3243036	41.68	PPBV	99
61)	1,4-DIOXANE	5.477	88	444869	41.39	PPBV	97
62)	HEPTANE	5.910	57	654020	43.26	PPBV	96
63)	METHYL METHACRYLATE	5.801	69	720380	45.51	PPBV	97
64)	METHYL ISOBUTYL KETONE	6.575	58	680262	43.81	PPBV	96
65)	CIS-1,3-DICHLOROPROPENE	6.465	75	1321912	48.23	PPBV	99
66)	TOLUENE	7.739	91	2438983	43.86	PPBV	100
67)	1,3-DICHLOROPROPANE	7.800	76	1240387	43.82	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	7.184	75	1251496	48.06	PPBV	99
69)	1,1,2-TRICHLOROETHANE	7.349	83	709489	43.73	PPBV	100
70)	2-HEXANONE	8.331	58	899661	42.24	PPBV	98
71)	ETHYL METHACRYLATE	8.471	69	1234597	44.01	PPBV	98
72)	TETRACHLOROETHENE	9.538	164	1120554	46.15	PPBV	100
73)	DIBROMOCHLOROMETHANE	8.294	129	1731435	48.16	PPBV	100
74)	1,2-DIBROMOETHANE	8.660	107	1430523	46.00	PPBV	99
75)	OCTANE	9.684	85	804326	45.22	PPBV	93
77)	1,1,1,2-TETRACHLOROETHANE	10.800	131	1225081	46.57	PPBV	100
78)	CHLOROBENZENE	10.781	112	1962240	44.45	PPBV	100
79)	ETHYLBENZENE	11.684	91	3518220	46.36	PPBV	100
80)	M,P-XYLENE	12.129	91	5614816m	90.56	PPBV	
81)	O-XYLENE	13.080	91	2773468	44.92	PPBV	100
82)	STYRENE	12.860	104	2015697	46.41	PPBV	99
83)	NONANE	14.208	85	611756	45.90	PPBV	89
84)	BROMOFORM	11.940	173	1585114	44.06	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	13.092	83	1661380	43.41	PPBV	99
86)	1,2,3-TRICHLOROPROPANE	13.378	75	1561632	44.42	PPBV	99
88)	ISOPROPYLBENZENE	14.616	120	962646	44.24	PPBV	100
89)	BROMOBENZENE	14.488	77	1947733	43.88	PPBV	99
90)	2-CHLOROTOLUENE	15.634	126	915079	43.75	PPBV	99
91)	N-PROPYLBENZENE	15.963	120	1007423	43.92	PPBV	99
92)	4-ETHYLTOLUENE	16.256	105	3901017	44.02	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	16.396	105	3344799	44.38	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.579	118	1501412	42.73	PPBV	100
95)	TERT-BUTYLBENZENE	16.823	134	675653	46.24	PPBV	91
96)	1,2,4-TRIMETHYLBENZENE	16.835	105	3142659	43.42	PPBV	98
97)	BENZYL CHLORIDE	16.908	91	2699070	55.48	PPBV	99
98)	M-DICHLOROBENZENE	16.890	146	2065235	43.50	PPBV	99
99)	P-DICHLOROBENZENE	16.963	146	2100894	45.04	PPBV	100
100)	O-DICHLOROBENZENE	17.244	146	1965355	45.01	PPBV	98
101)	SEC-BUTYLBENZENE	17.085	134	860225	45.20	PPBV	91
102)	1,2,3-TRIMETHYLBENZENE	17.195	105	3259780	44.09	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.256	134	924386	45.44	PPBV	91
104)	N-BUTYLBENZENE	17.579	134	950622	46.71	PPBV	87
105)	HEXACHLOROETHANE	17.750	117	1269329	45.47	PPBV	95
106)	HEXACHLOROBUTADIENE	18.725	225	2433988	55.96	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.445	180	2534355	55.42	PPBV	99
108)	NAPHTHALENE	18.487	128	4725619	50.37	PPBV	98
110)	TVHC as equiv Pentane	2.405	TIC	1809049m	31.52	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06390.D
Acq On : 23 Jul 2024 05:10 am
Operator : thomash
Sample : ic244-50
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:37:07 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration

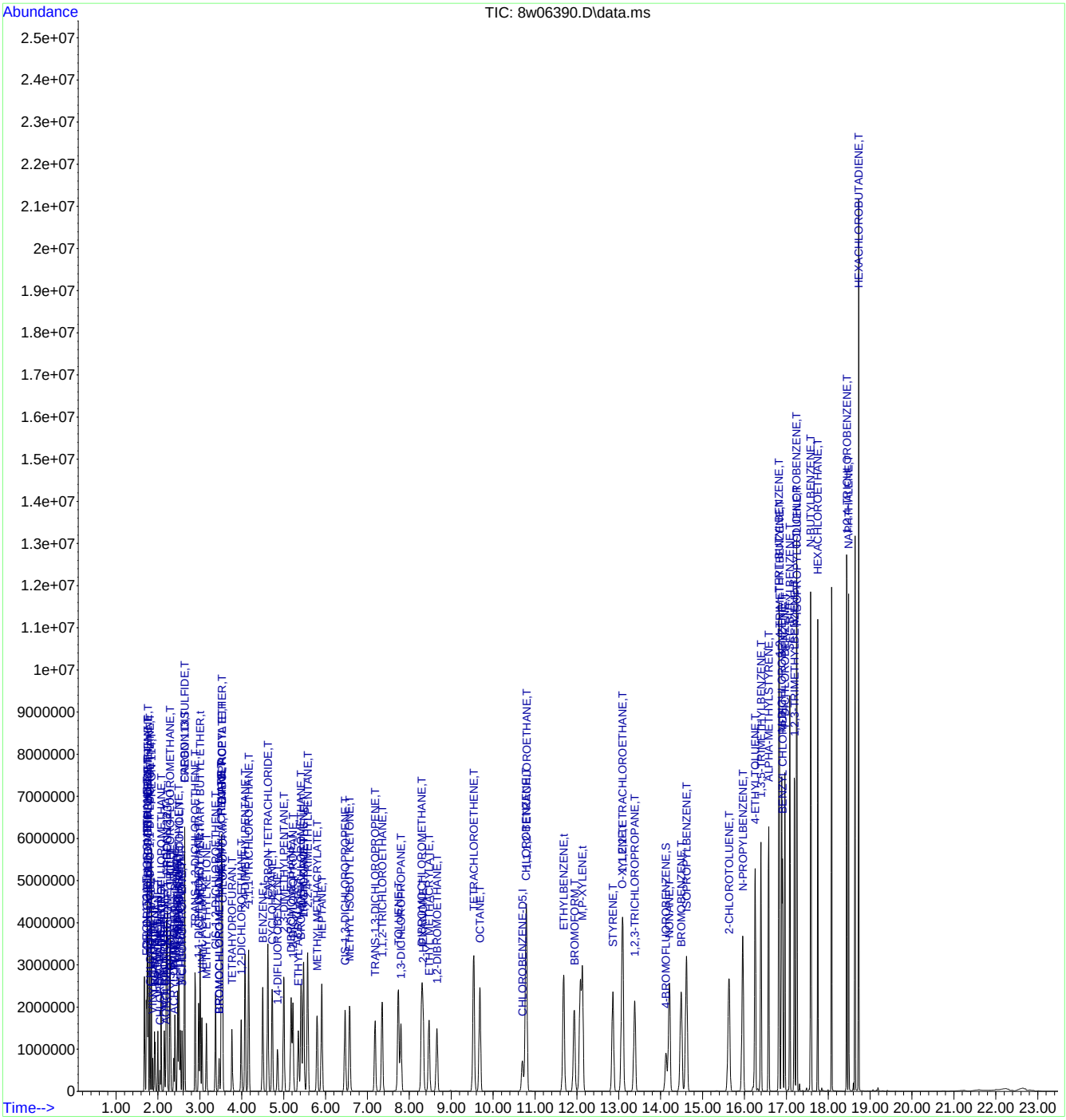
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06390.D
Acq On : 23 Jul 2024 05:10 am
Operator : thomash
Sample : ic244-50
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:37:07 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

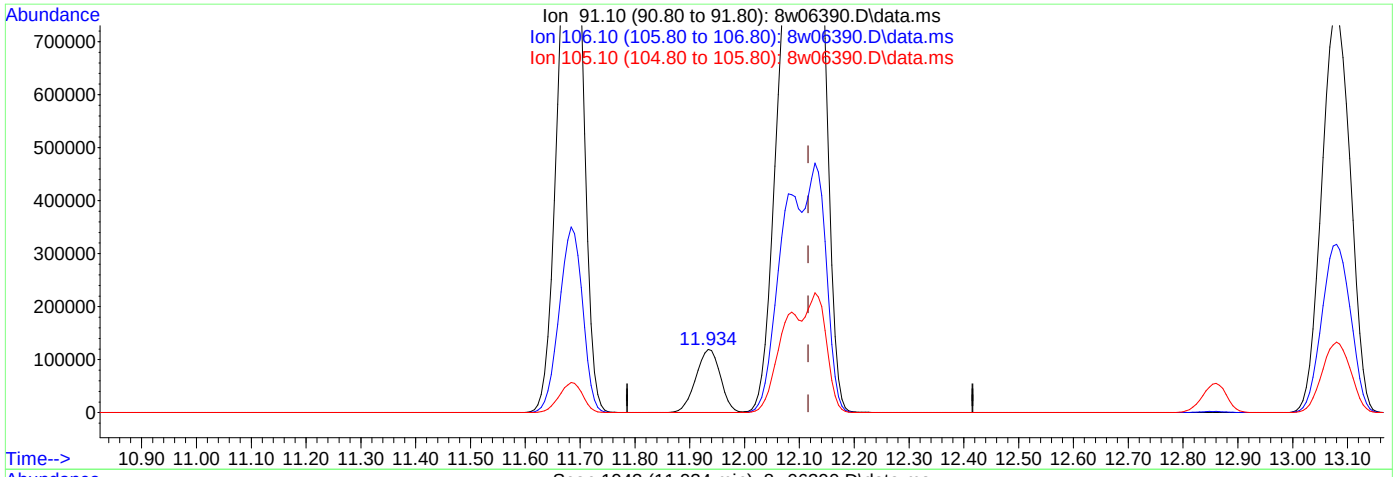
Sample Number:	V8W244-IC244	**Method:**	TO-15
Lab FileID:	8W06390.D	**Analyst approved:**	07/23/24 18:02 Thomas Hilbig
Injection Time:	07/23/24 05:10	**Supervisor approved:**	07/23/24 21:21 Kanya Veerawat

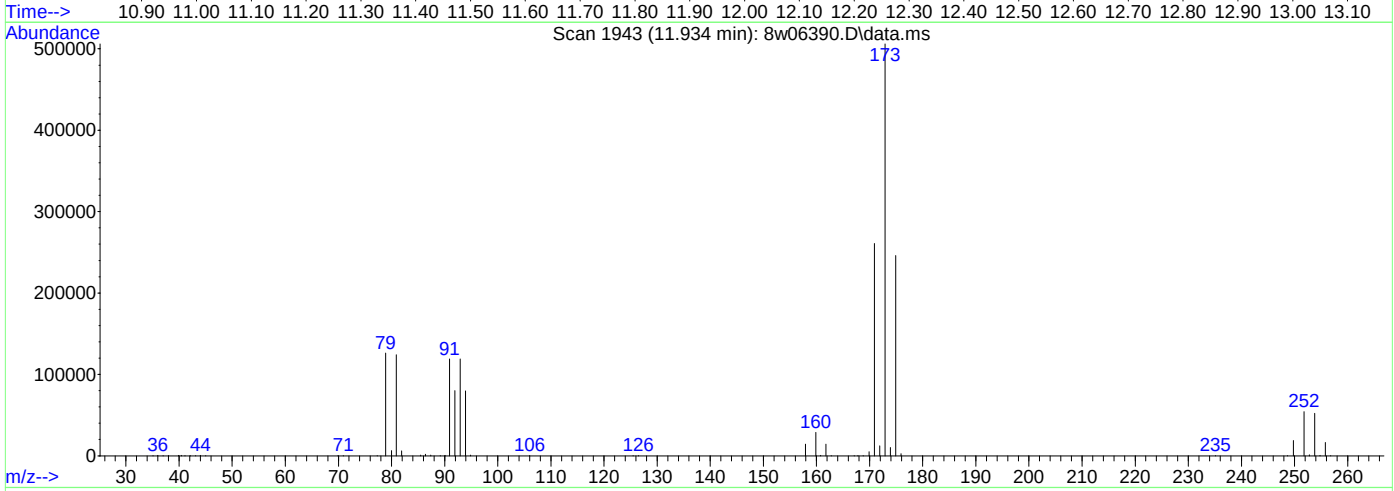
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak
m,p-Xylene			12.13	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06390.D
Acq On : 23 Jul 2024 05:10 am
Operator : thomash
Sample : ic244-50
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:33:06 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration





TIC: 8w06390.D\data.ms

(80) M,P-XYLENE (t)

11.934min (-0.183) 5.97PPBV

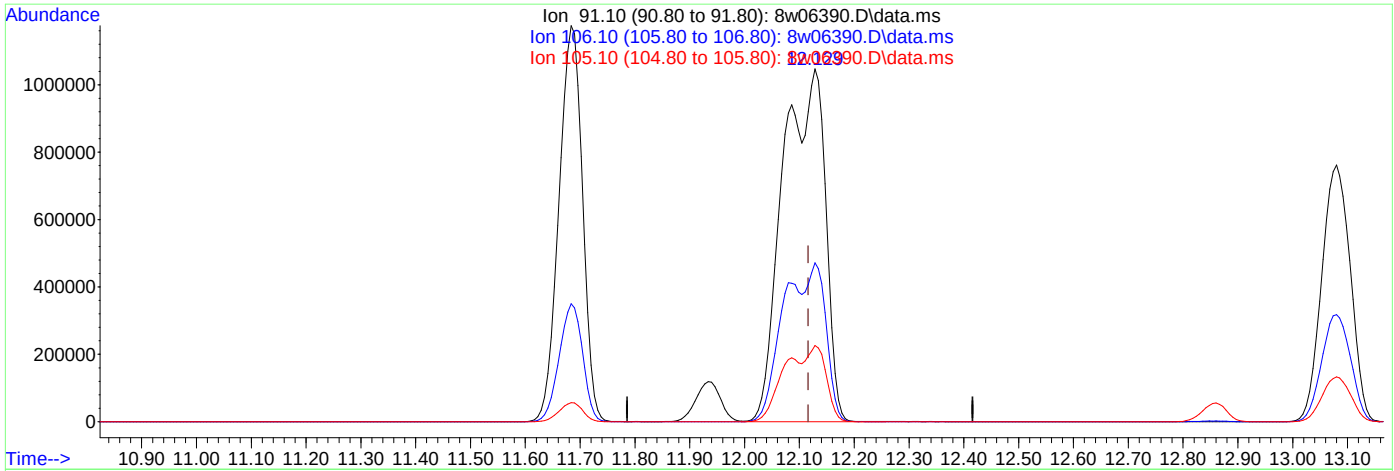
response 370450

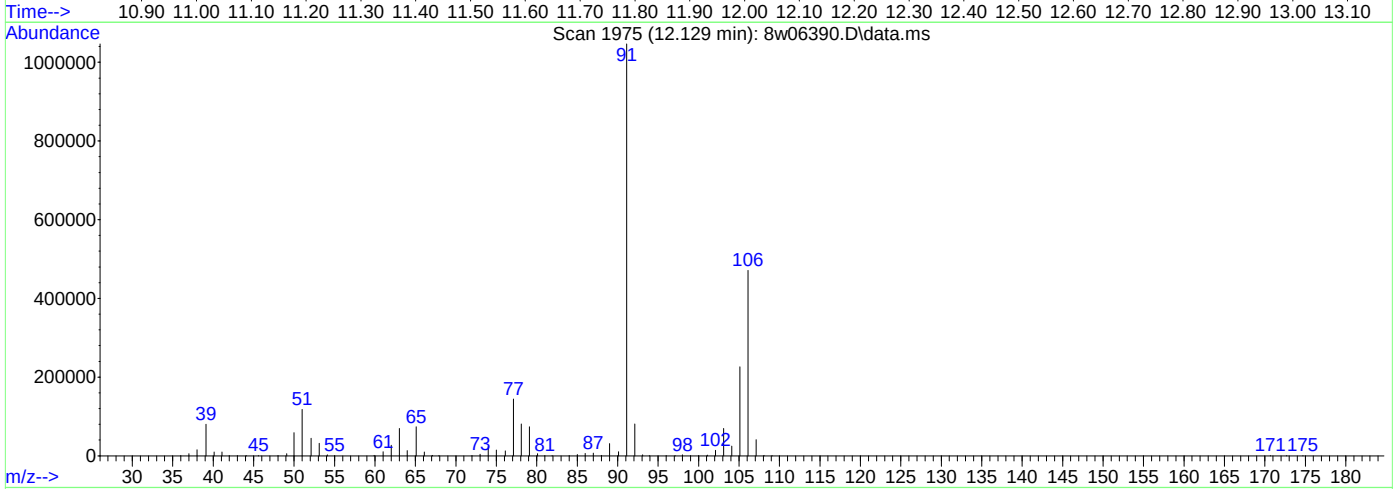
Ion	Exp%	Act%
91.10	100	100
106.10	21.60	0.06#
105.10	20.80	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06390.D
Acq On : 23 Jul 2024 05:10 am
Operator : thomash
Sample : ic244-50
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:33:06 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration





TIC: 8w06390.D\data.ms

(80) M,P-XYLENE (t)

12.129min (+0.013) 90.56PPBV m

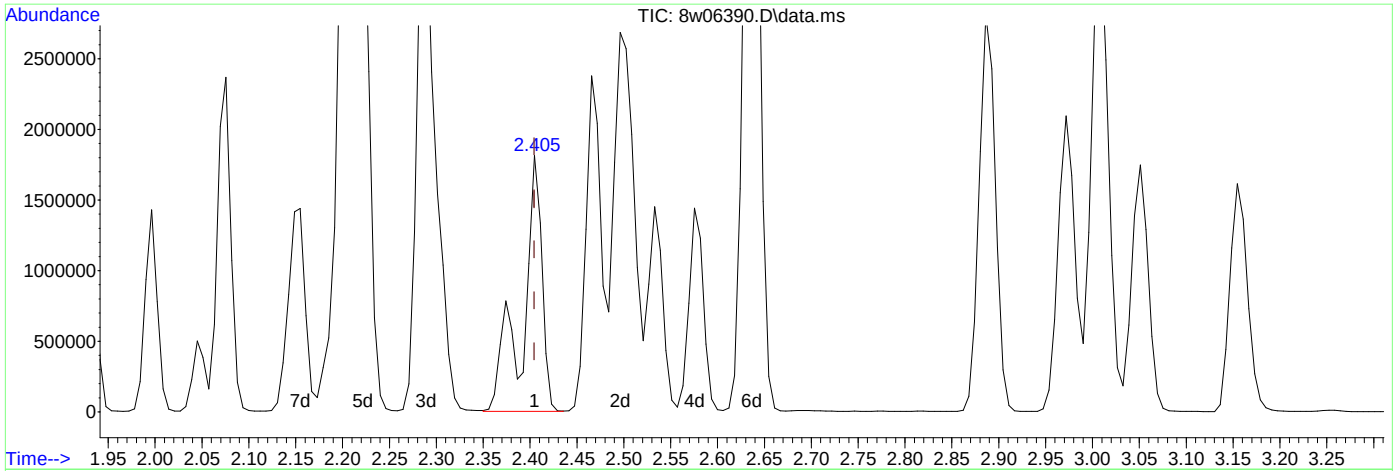
response 5614816

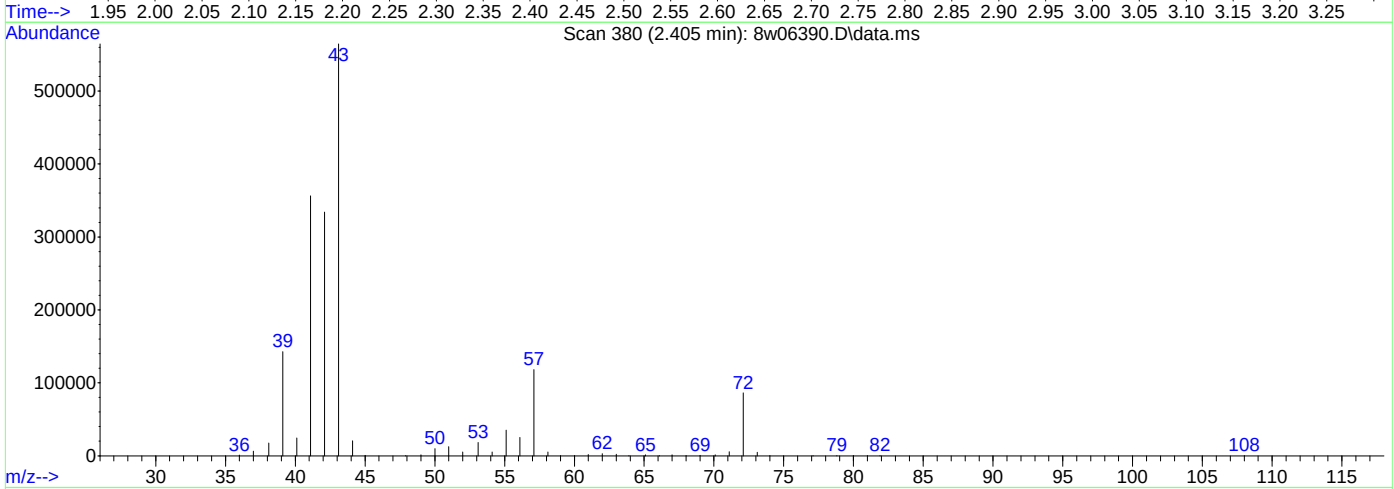
Ion	Exp%	Act%
91.10	100	100
106.10	21.60	0.00#
105.10	20.80	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06390.D
Acq On : 23 Jul 2024 05:10 am
Operator : thomash
Sample : ic244-50
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:33:06 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration





TIC: 8w06390.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.000) 45.50PPBV

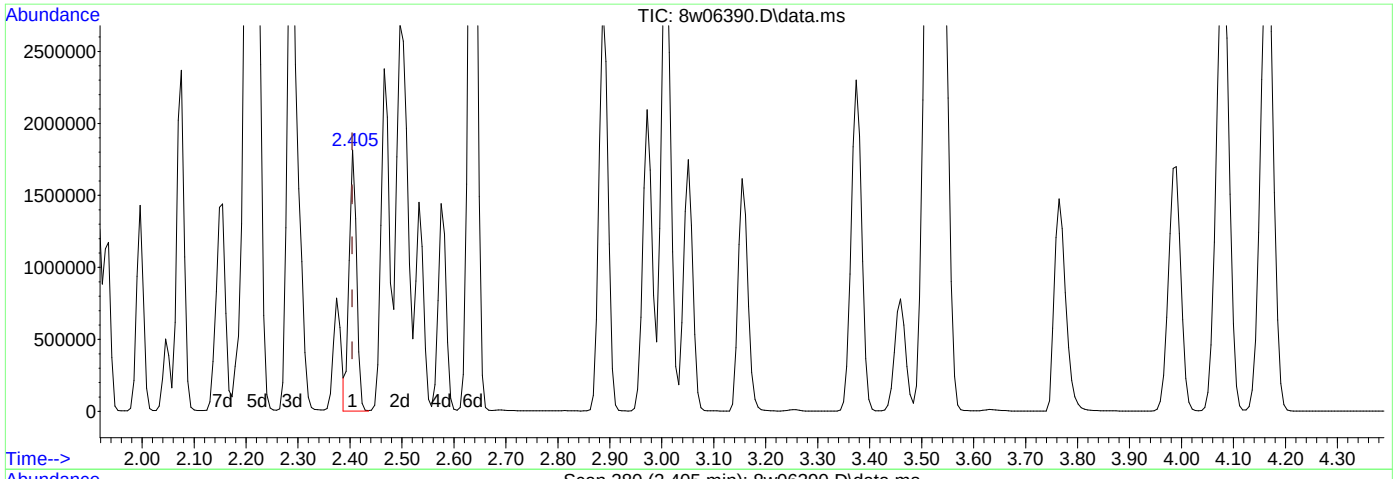
response 2611839

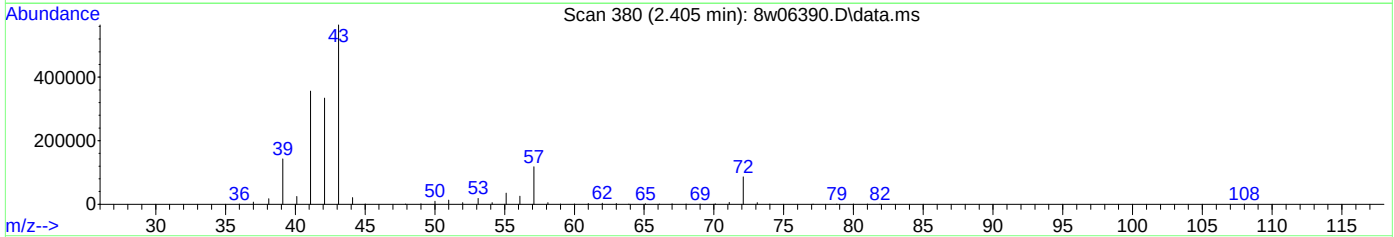
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

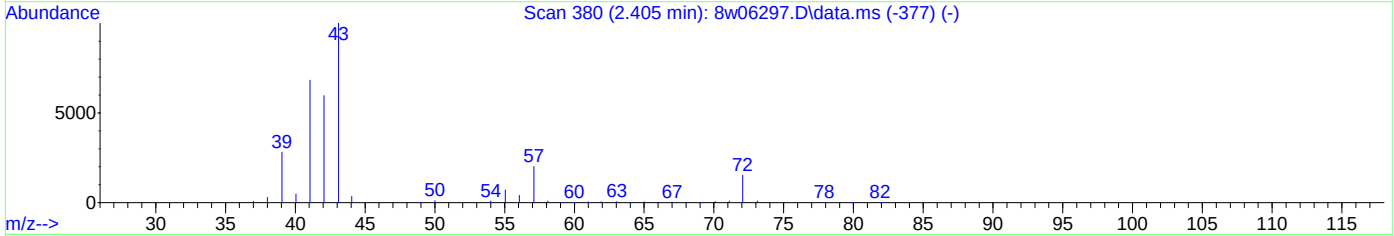
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06390.D
Acq On : 23 Jul 2024 05:10 am
Operator : thomash
Sample : ic244-50
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 09:33:06 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 09:21:03 2024
Response via : Initial Calibration







TIC: 8w06390.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.000) 31.52PPBV m

response 1809049

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/23/24 21:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06400.D
Acq On : 23 Jul 2024 02:46 pm
Operator : thomash
Sample : ic244-0.5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 23 15:47:56 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 14:00:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.453	128	158738	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	765229	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.684	117	672525	10.00	PPBV		-0.01
109) BROMOCHLOROMETHANE (A)	3.453	128	158730	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.116	95	552523	9.79	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.691	119	4160	0.65	PPBV		97
3) FREON 152A	1.722	65	4029	0.48	PPBV		97
4) CHLORODIFLUOROMETHANE	1.740	67	2350	0.47	PPBV		95
5) CHLOROTRIFLUOROETHENE	1.752	116	9266	0.50	PPBV		95
6) DICHLORODIFLUOROMETHANE	1.764	85	19860	0.50	PPBV		97
7) PROPYLENE	1.746	41	5066	0.47	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	13509	0.49	PPBV	#	99
9) FREON 114	1.844	85	13909	0.54	PPBV		93
10) CHLOROMETHANE	1.813	52	891	0.46	PPBV	#	88
11) VINYL CHLORIDE	1.874	62	3741	0.46	PPBV		99
12) 1,3-BUTADIENE	1.917	54	2720	0.46	PPBV		98
13) N-BUTANE	1.929	41	1898	0.44	PPBV		97
14) BROMOMETHANE	1.996	94	4133	0.48	PPBV		99
15) CHLOROETHANE	2.045	64	2032	0.44	PPBV		92
16) DICHLOROFLUOROMETHANE	2.075	67	10442	0.47	PPBV		97
17) ACETONITRILE	2.149	41	2582	0.40	PPBV	#	63
18) ACROLEIN	2.185	56	1441	0.48	PPBV	#	93
19) FREON 123	2.197	83	10435	0.48	PPBV		98
20) FREON 123A	2.216	117	7677	0.48	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.283	101	18384	0.48	PPBV		97
22) ISOPROPYL ALCOHOL	2.307	45	7356	0.44	PPBV	#	85
23) ACETONE	2.228	58	2202	0.46	PPBV		95
24) PENTANE	2.405	42	3238	0.45	PPBV		97
25) IODOMETHANE	2.466	142	12231	0.47	PPBV		96
26) 1,1-DICHLOROETHYLENE	2.496	96	4499	0.49	PPBV		96
27) CARBON DISULFIDE	2.636	76	9719m	0.46	PPBV		
28) ETHANOL	2.081	45	1855	0.50	PPBV	#	96
29) BROMOETHENE	2.155	106	4228	0.47	PPBV	#	93
30) ACRYLONITRILE	2.374	52	2549	0.38	PPBV		94
31) METHYLENE CHLORIDE	2.533	84	3821	0.43	PPBV		84
32) 3-CHLOROPROPENE	2.575	76	1736	0.38	PPBV		83
33) FREON 113	2.636	151	9540	0.50	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.886	96	6670	0.48	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.520	59	8166	0.44	PPBV		95
36) METHYL TERTIARY BUTYL ...	3.014	73	17584	0.47	PPBV		95
37) TETRAHYDROFURAN	3.782	72	2598	0.44	PPBV		95
38) HEXANE	3.514	57	10513	0.52	PPBV		94
39) VINYL ACETATE	3.051	86	1477	0.44	PPBV	#	97
40) 1,1-DICHLOROETHANE	2.972	63	12136	0.47	PPBV		97
41) METHYL ETHYL KETONE	3.161	72	2930	0.49	PPBV		91
42) CIS-1,2-DICHLOROETHENE	3.374	96	6778	0.48	PPBV		98
43) DIISOPROPYL ETHER	3.526	45	23315	0.53	PPBV		97
44) ETHYL ACETATE	3.526	61	2075	0.52	PPBV		99
45) METHYL ACRYLATE	3.514	55	13486	0.52	PPBV	#	95
46) CHLOROFORM	3.532	83	16263	0.50	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.075	57	12150	0.48	PPBV		95
48) 1,1,1-TRICHLOROETHANE	4.160	97	17017	0.47	PPBV		97
49) CARBON TETRACHLORIDE	4.618	117	16741	0.47	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06400.D
Acq On : 23 Jul 2024 02:46 pm
Operator : thomash
Sample : ic244-0.5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 23 15:47:56 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 14:00:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.984	62	12869	0.48	PPBV		97
51) BENZENE	4.496	78	19038	0.48	PPBV		99
53) CYCLOHEXANE	4.727	84	7872	0.48	PPBV		99
54) 2,3-DIMETHYLPENTANE	4.996	71	4126	0.50	PPBV		96
55) TRICHLOROETHENE	5.459	95	10270	0.49	PPBV		99
56) 1,2-DICHLOROPROPANE	5.215	63	7496	0.49	PPBV		96
57) DIBROMOMETHANE	5.172	174	9159	0.43	PPBV		96
58) ETHYL ACRYLATE	5.349	55	14966	0.46	PPBV		100
59) BROMODICHLOROMETHANE	5.398	83	16671	0.49	PPBV		95
60) 2,2,4-TRIMETHYLPENTANE	5.563	57	34647	0.51	PPBV		98
61) 1,4-DIOXANE	5.526	88	4652	0.50	PPBV	#	26
62) HEPTANE	5.904	57	6621	0.51	PPBV		99
63) METHYL METHACRYLATE	5.800	69	6630	0.50	PPBV		91
64) METHYL ISOBUTYL KETONE	6.581	58	6152	0.48	PPBV		99
65) CIS-1,3-DICHLOROPROPENE	6.453	75	9802	0.43	PPBV		98
66) TOLUENE	7.721	91	21873	0.45	PPBV		97
67) 1,3-DICHLOROPROPANE	7.788	76	12030	0.47	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	7.172	75	7344	0.34	PPBV		97
69) 1,1,2-TRICHLOROETHANE	7.337	83	7000	0.48	PPBV		98
70) 2-HEXANONE	8.330	58	7063	0.42	PPBV		95
71) ETHYL METHACRYLATE	8.458	69	9691	0.43	PPBV		99
72) TETRACHLOROETHENE	9.519	164	11393	0.48	PPBV		98
73) DIBROMOCHLOROMETHANE	8.282	129	15183	0.51	PPBV		100
74) 1,2-DIBROMOETHANE	8.635	107	13461	0.49	PPBV		99
75) OCTANE	9.665	85	6526	0.46	PPBV		97
77) 1,1,1,2-TETRACHLOROETHANE	10.775	131	11451	0.49	PPBV		94
78) CHLOROBENZENE	10.769	112	20130	0.49	PPBV		97
79) ETHYLBENZENE	11.671	91	29035	0.45	PPBV		99
80) M,P-XYLENE	12.104	91	49486	0.93	PPBV	#	74
81) O-XYLENE	13.055	91	24510	0.47	PPBV		98
82) STYRENE	12.842	104	14974	0.43	PPBV		98
83) NONANE	14.177	85	5814	0.50	PPBV		94
84) BROMOFORM	11.909	173	12834	0.49	PPBV		98
85) 1,1,2,2-TETRACHLOROETHANE	13.067	83	17649	0.51	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	13.360	75	14888	0.48	PPBV		98
88) ISOPROPYLBENZENE	14.591	120	8614	0.46	PPBV		99
89) BROMOBENZENE	14.463	77	18336	0.47	PPBV		99
90) 2-CHLOROTOLUENE	15.610	126	7718	0.44	PPBV		94
91) N-PROPYLBENZENE	15.945	120	8587	0.47	PPBV		97
92) 4-ETHYLTOLUENE	16.244	105	33926	0.48	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	16.384	105	31032	0.50	PPBV		99
94) ALPHA-METHYLSTYRENE	16.567	118	12422	0.43	PPBV		97
95) TERT-BUTYLBENZENE	16.817	134	7270	0.57	PPBV		85
96) 1,2,4-TRIMETHYLBENZENE	16.817	105	33187	0.54	PPBV		98
97) BENZYL CHLORIDE	16.896	91	9488	0.23	PPBV		99
98) M-DICHLOROBENZENE	16.878	146	21060	0.48	PPBV		98
99) P-DICHLOROBENZENE	16.957	146	21258	0.50	PPBV		99
100) O-DICHLOROBENZENE	17.237	146	21586	0.53	PPBV		98
101) SEC-BUTYLBENZENE	17.079	134	8745	0.53	PPBV		99
102) 1,2,3-TRIMETHYLBENZENE	17.182	105	32670	0.51	PPBV		98
103) P-ISOPROPYLTOLUENE	17.249	134	10274	0.57	PPBV		89
104) N-BUTYLBENZENE	17.585	134	9070	0.51	PPBV		94
105) HEXACHLOROETHANE	17.755	117	10507	0.47	PPBV		97
106) HEXACHLOROBUTADIENE	18.743	225	23702	0.53	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.457	180	17644	0.41	PPBV		98
108) NAPHTHALENE	18.499	128	29162	0.38	PPBV		99
110) TVHC as equiv Pentane	2.405	TIC	19028m	0.51	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06400.D
Acq On : 23 Jul 2024 02:46 pm
Operator : thomash
Sample : ic244-0.5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 23 15:47:56 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 14:00:21 2024
Response via : Initial Calibration

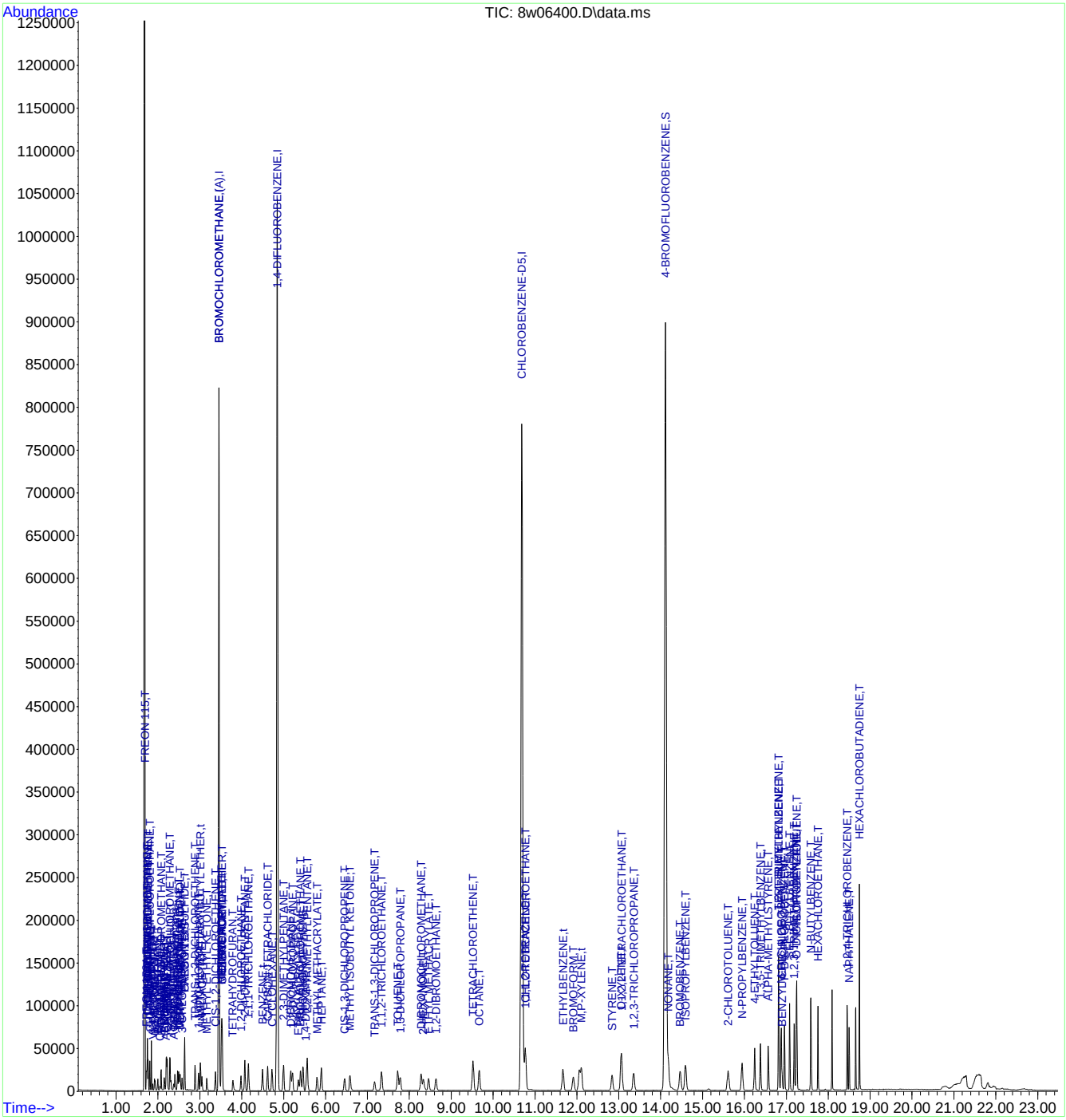
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06400.D
Acq On : 23 Jul 2024 02:46 pm
Operator : thomash
Sample : ic244-0.5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 23 15:47:56 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 14:00:21 2024
Response via : Initial Calibration



Manual Integration Approval Summary

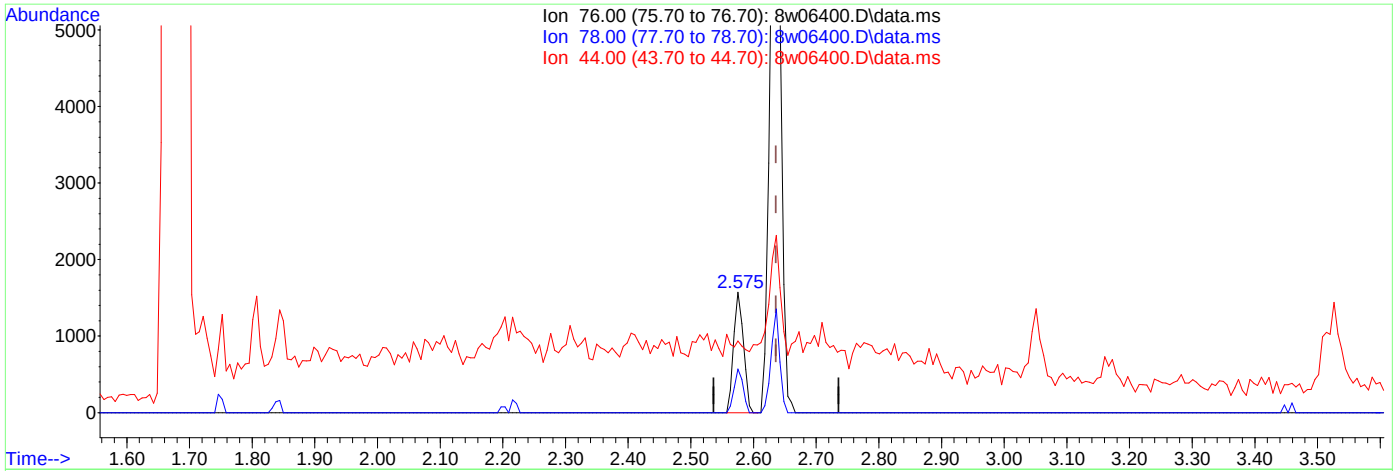
Sample Number:	V8W244-IC244	**Method:**	TO-15
Lab FileID:	8W06400.D	**Analyst approved:**	07/23/24 18:02 Thomas Hilbig
Injection Time:	07/23/24 14:46	**Supervisor approved:**	07/23/24 21:21 Kanya Veerawat

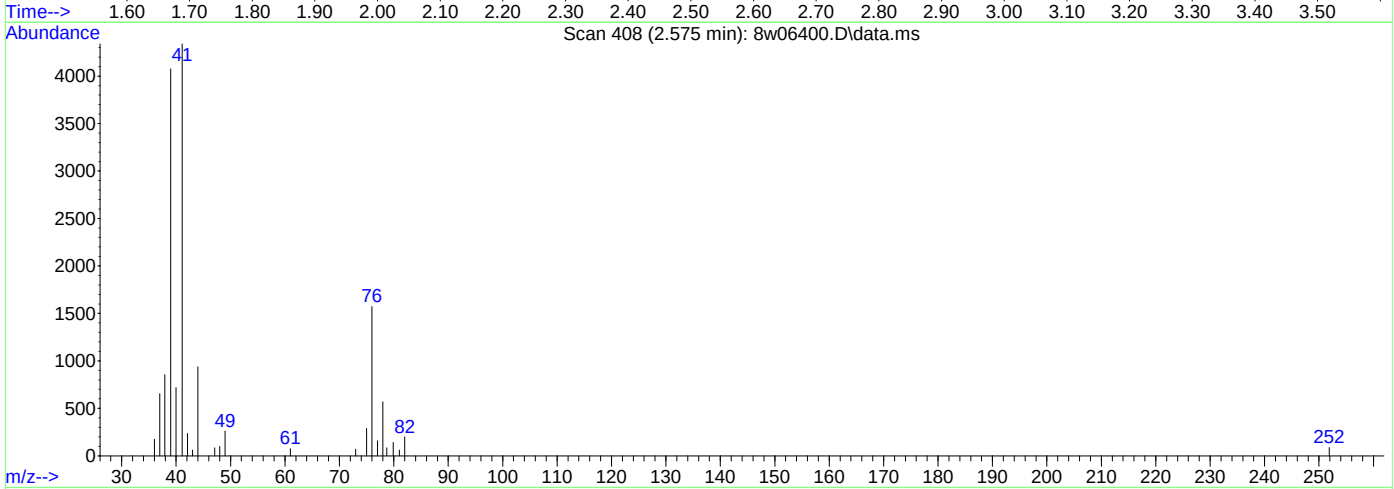
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak
Carbon disulfide	75-15-0		2.64	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06400.D
Acq On : 23 Jul 2024 02:46 pm
Operator : thomash
Sample : ic244-0.5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 23 15:46:27 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 14:00:21 2024
Response via : Initial Calibration





TIC: 8w06400.D\data.ms

(27) CARBON DISULFIDE (T)

2.575min (-0.061) 0.08PPBV

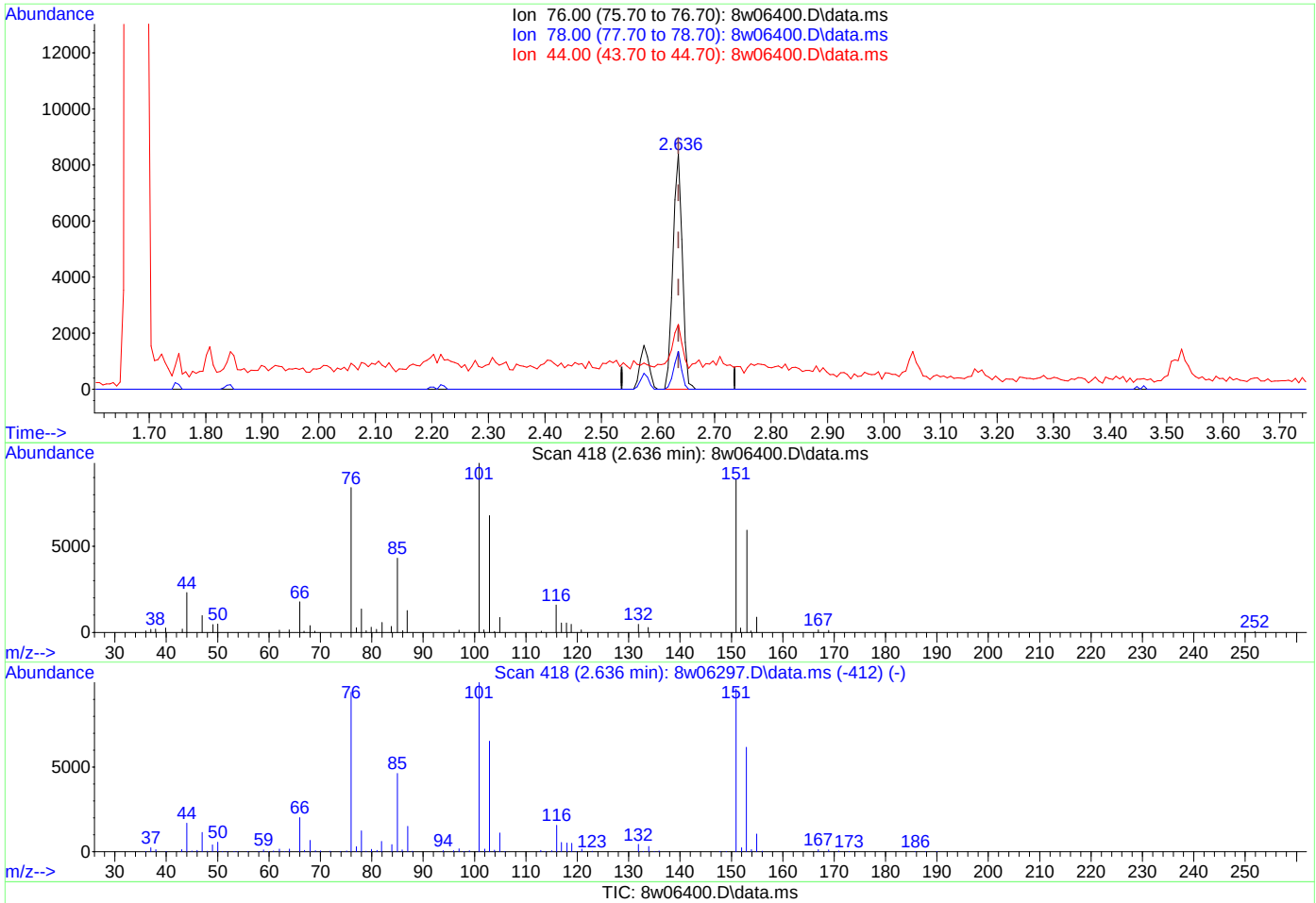
response 1736

Ion	Exp%	Act%
76.00	100	100
78.00	12.50	32.89#
44.00	16.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06400.D
Acq On : 23 Jul 2024 02:46 pm
Operator : thomash
Sample : ic244-0.5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 23 15:46:27 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 14:00:21 2024
Response via : Initial Calibration



TIC: 8w06400.D\data.ms

(27) CARBON DISULFIDE (T)

2.636min (+0.000) 0.46PPBV m

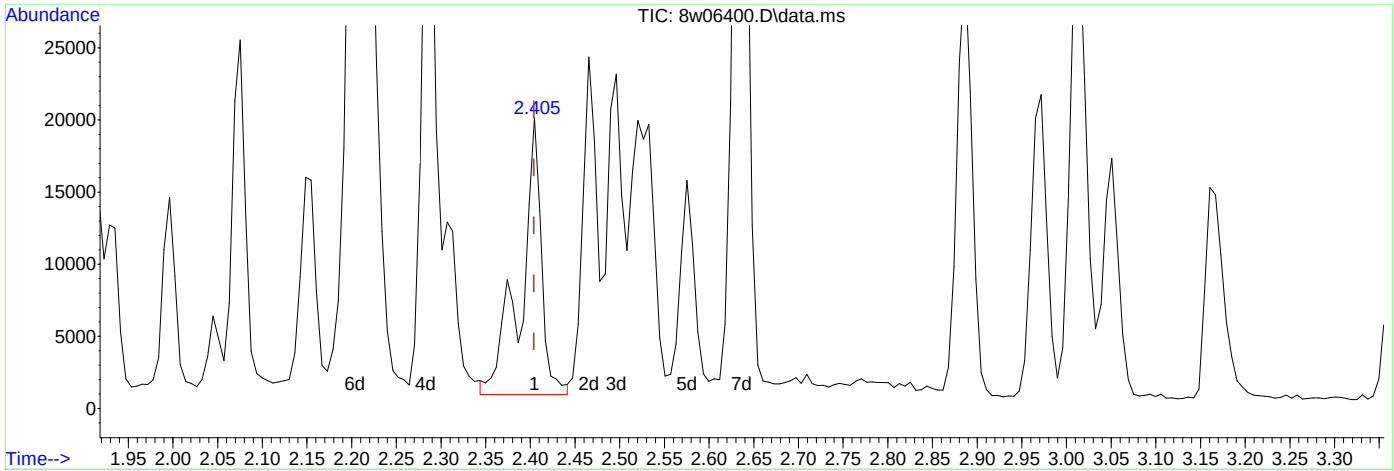
response 9719

Ion	Exp%	Act%
76.00	100	100
78.00	12.50	5.88#
44.00	16.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06400.D
Acq On : 23 Jul 2024 02:46 pm
Operator : thomash
Sample : ic244-0.5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 23 15:46:27 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 14:00:21 2024
Response via : Initial Calibration



TIC: 8w06400.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.001) 0.83PPBV

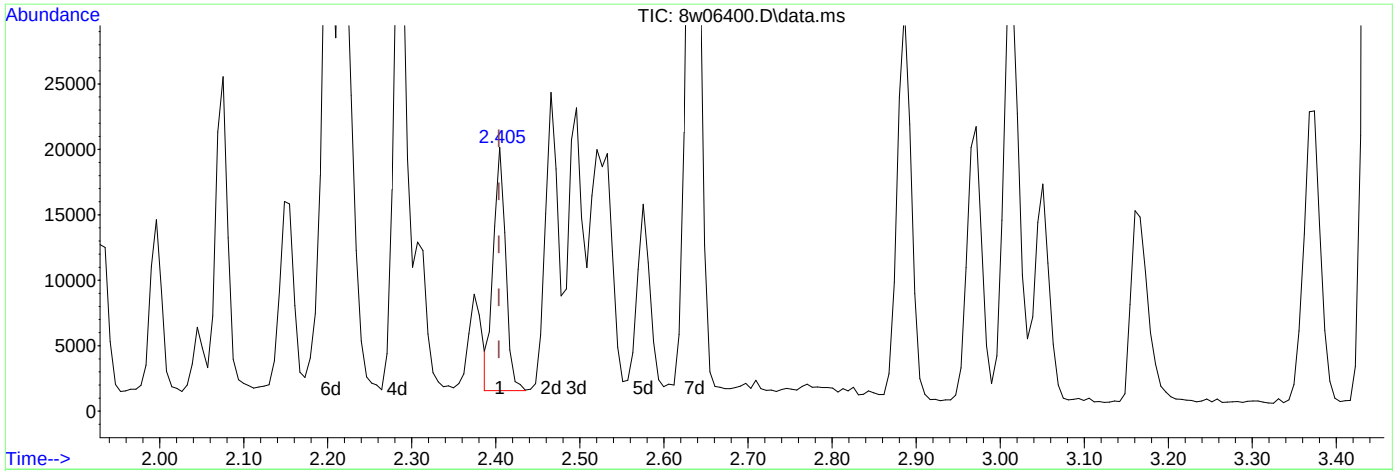
response 30891

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06400.D
Acq On : 23 Jul 2024 02:46 pm
Operator : thomash
Sample : ic244-0.5
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 23 15:46:27 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 14:00:21 2024
Response via : Initial Calibration



TIC: 8w06400.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.001) 0.51PPBV m

response 19028

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/23/24 21:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06402.D
Acq On : 23 Jul 2024 04:47 pm
Operator : thomash
Sample : icv244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 17:26:32 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.459	128	152427	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	736877	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.696	117	668195	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	152427	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.122	95	562178	10.04	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.697	119	104709	16.44	PPBV		100
3) FREON 152A	1.728	65	91313	11.33	PPBV		99
4) CHLORODIFLUOROMETHANE	1.740	67	56399	11.71	PPBV		92
5) CHLOROTRIFLUOROETHENE	1.752	116	204960	11.51	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.770	85	432607	11.48	PPBV		100
7) PROPYLENE	1.746	41	105343	10.33	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	303392	11.49	PPBV	#	100
9) FREON 114	1.844	85	306475	12.57	PPBV		94
10) CHLOROMETHANE	1.813	52	20724	11.25	PPBV	#	33
11) VINYL CHLORIDE	1.880	62	86895	11.14	PPBV		98
12) 1,3-BUTADIENE	1.917	54	63547	11.41	PPBV		99
13) N-BUTANE	1.935	41	44744	10.84	PPBV		98
14) BROMOMETHANE	1.996	94	92593	11.23	PPBV		99
15) CHLOROETHANE	2.051	64	46525	10.60	PPBV		100
16) DICHLOROFLUOROMETHANE	2.075	67	247643	11.75	PPBV		99
17) ACETONITRILE	2.142	41	60510	9.92	PPBV		99
18) ACROLEIN	2.185	56	38358	13.36	PPBV		99
19) FREON 123	2.203	83	236144	11.26	PPBV		98
20) FREON 123A	2.222	117	163580	10.77	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.289	101	422385	11.58	PPBV		100
22) ISOPROPYL ALCOHOL	2.307	45	169037	10.47	PPBV		99
23) ACETONE	2.228	58	43127	9.57	PPBV		97
24) PENTANE	2.404	42	74590	10.82	PPBV		97
25) IODOMETHANE	2.465	142	293424	11.95	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.496	96	101777	11.54	PPBV		99
27) CARBON DISULFIDE	2.636	76	255633	12.67	PPBV		100
28) ETHANOL	2.075	45	33097	9.59	PPBV		97
29) BROMOETHENE	2.155	106	99155	11.49	PPBV		98
30) ACRYLONITRILE	2.374	52	59304	9.42	PPBV		99
31) METHYLENE CHLORIDE	2.533	84	86778	10.33	PPBV		98
32) 3-CHLOROPROPENE	2.575	76	43009	10.14	PPBV		99
33) FREON 113	2.636	151	219741	11.93	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.886	96	157013	11.75	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.508	59	206994	11.59	PPBV		100
36) METHYL TERTIARY BUTYL ...	3.008	73	427457	12.01	PPBV		99
37) TETRAHYDROFURAN	3.770	72	65952	11.72	PPBV		99
38) HEXANE	3.514	57	231418	12.06	PPBV		100
39) VINYL ACETATE	3.051	86	36307	11.38	PPBV		96
40) 1,1-DICHLOROETHANE	2.971	63	287980	11.82	PPBV		99
41) METHYL ETHYL KETONE	3.154	72	68058	12.00	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.374	96	157267	11.71	PPBV		99
43) DIISOPROPYL ETHER	3.520	45	504395	12.01	PPBV		99
44) ETHYL ACETATE	3.526	61	44035	11.39	PPBV		96
45) METHYL ACRYLATE	3.508	55	299039	12.09	PPBV	#	100
46) CHLOROFORM	3.538	83	367979	11.85	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.075	57	293374	12.04	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.160	97	430259	12.44	PPBV		99
49) CARBON TETRACHLORIDE	4.624	117	466851	13.62	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06402.D
Acq On : 23 Jul 2024 04:47 pm
Operator : thomash
Sample : icv244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 17:26:32 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 1,2-DICHLOROETHANE	3.983	62	302456	11.90	PPBV	99
51) BENZENE	4.502	78	422307	11.23	PPBV	99
53) CYCLOHEXANE	4.727	84	191717	12.30	PPBV	100
54) 2,3-DIMETHYLPENTANE	5.002	71	91792	11.51	PPBV	99
55) TRICHLOROETHENE	5.465	95	224818	11.27	PPBV	99
56) 1,2-DICHLOROPROPANE	5.215	63	167898	11.39	PPBV	99
57) DIBROMOMETHANE	5.172	174	206726	10.23	PPBV	99
58) ETHYL ACRYLATE	5.343	55	402207	12.91	PPBV	100
59) BROMODICHLOROMETHANE	5.410	83	402617	12.30	PPBV	100
60) 2,2,4-TRIMETHYLPENTANE	5.569	57	778268	11.91	PPBV	100
61) 1,4-DIOXANE	5.477	88	105093	11.91	PPBV	99
62) HEPTANE	5.904	57	154670	12.30	PPBV	99
63) METHYL METHACRYLATE	5.794	69	161573	12.67	PPBV	99
64) METHYL ISOBUTYL KETONE	6.568	58	154503	12.49	PPBV	99
65) CIS-1,3-DICHLOROPROPENE	6.465	75	261507	12.07	PPBV	100
66) TOLUENE	7.727	91	546770	11.84	PPBV	100
67) 1,3-DICHLOROPROPANE	7.794	76	281865	11.57	PPBV	100
68) TRANS-1,3-DICHLOROPROPENE	7.178	75	251335	12.17	PPBV	99
69) 1,1,2-TRICHLOROETHANE	7.343	83	164749	11.77	PPBV	99
70) 2-HEXANONE	8.318	58	207022	12.82	PPBV	100
71) ETHYL METHACRYLATE	8.458	69	275475	12.73	PPBV	100
72) TETRACHLOROETHENE	9.525	164	247883	10.97	PPBV	100
73) DIBROMOCHLOROMETHANE	8.288	129	374819	12.76	PPBV	100
74) 1,2-DIBROMOETHANE	8.641	107	324066	12.27	PPBV	100
75) OCTANE	9.678	85	181391	13.40	PPBV	99
77) 1,1,1,2-TETRACHLOROETHANE	10.781	131	275719	11.94	PPBV	99
78) CHLOROBENZENE	10.769	112	452885	11.24	PPBV	99
79) ETHYLBENZENE	11.671	91	794573	12.42	PPBV	100
80) M,P-XYLENE	12.110	91	1260514	23.92	PPBV	99
81) O-XYLENE	13.067	91	634922	12.33	PPBV	98
82) STYRENE	12.848	104	447132	13.15	PPBV	99
83) NONANE	14.195	85	137060	11.84	PPBV	99
84) BROMOFORM	11.927	173	380194	13.44	PPBV	100
85) 1,1,2,2-TETRACHLOROETHANE	13.073	83	392655	11.43	PPBV	100
86) 1,2,3-TRICHLOROPROPANE	13.360	75	356847	11.49	PPBV	99
88) ISOPROPYLBENZENE	14.604	120	221349	11.93	PPBV	100
89) BROMOBENZENE	14.475	77	441841	11.34	PPBV	100
90) 2-CHLOROTOLUENE	15.622	126	205932	11.89	PPBV	99
91) N-PROPYLBENZENE	15.951	120	230847	12.73	PPBV	100
92) 4-ETHYLTOLUENE	16.250	105	903538	12.82	PPBV	100
93) 1,3,5-TRIMETHYLBENZENE	16.384	105	773878	12.69	PPBV	100
94) ALPHA-METHYLSTYRENE	16.573	118	359916	12.79	PPBV	99
95) TERT-BUTYLBENZENE	16.817	134	154337	12.26	PPBV	97
96) 1,2,4-TRIMETHYLBENZENE	16.823	105	747131	12.32	PPBV	99
97) BENZYL CHLORIDE	16.908	91	520854	12.77	PPBV	100
98) M-DICHLOROBENZENE	16.884	146	468408	10.89	PPBV	100
99) P-DICHLOROBENZENE	16.963	146	476550	11.37	PPBV	100
100) O-DICHLOROBENZENE	17.243	146	436086	10.81	PPBV	99
101) SEC-BUTYLBENZENE	17.085	134	199679	12.30	PPBV	99
102) 1,2,3-TRIMETHYLBENZENE	17.188	105	749459	11.79	PPBV	99
103) P-ISOPROPYLTOLUENE	17.255	134	211365	11.79	PPBV	99
104) N-BUTYLBENZENE	17.591	134	205434	11.62	PPBV	99
105) HEXACHLOROETHANE	17.761	117	293990	13.18	PPBV	99
106) HEXACHLOROBUTADIENE	18.761	225	427622m	9.61	PPBV	
107) 1,2,4-TRICHLOROBENZENE	18.463	180	454280	10.81	PPBV	99
108) NAPHTHALENE	18.511	128	992596	13.06	PPBV	100
110) TVHC as equiv Pentane	2.404	TIC	390946m	10.90	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06402.D
Acq On : 23 Jul 2024 04:47 pm
Operator : thomash
Sample : icv244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 17:26:32 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

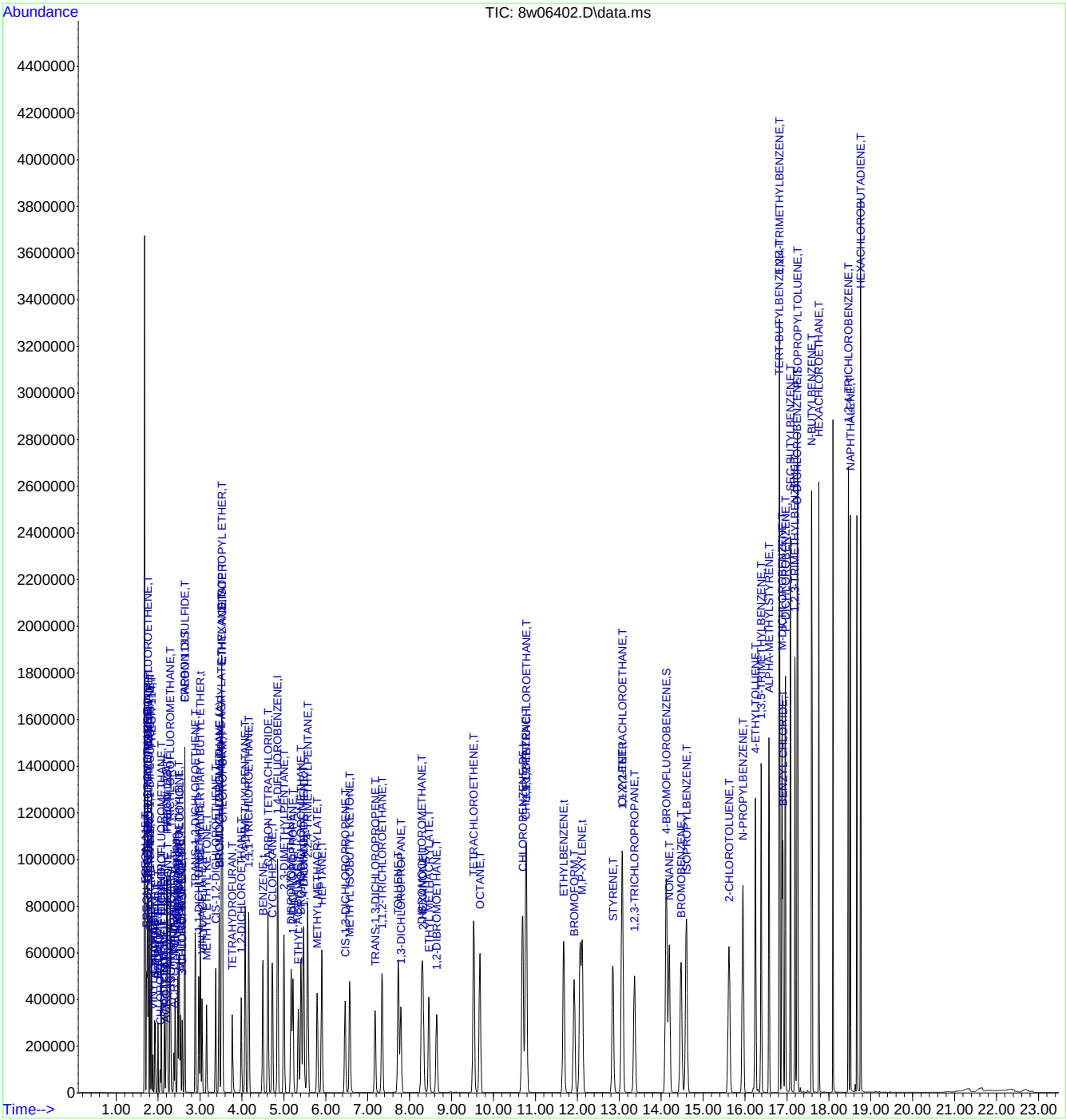
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06402.D
Acq On : 23 Jul 2024 04:47 pm
Operator : thomash
Sample : icv244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 17:26:32 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



Manual Integration Approval Summary

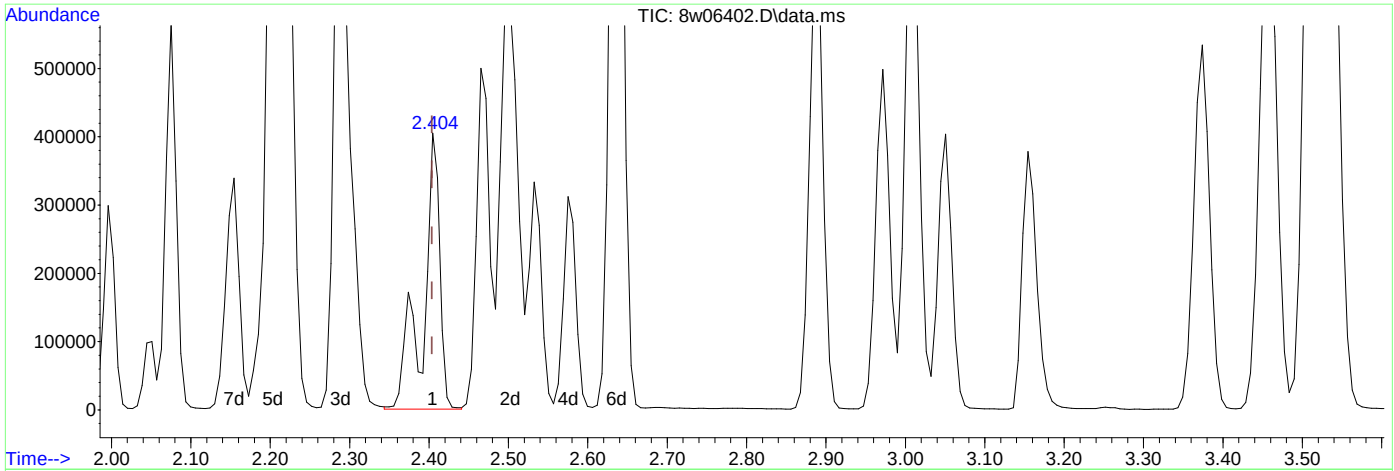
Sample Number:	V8W244-ICV244	**Method:**	TO-15
Lab FileID:	8W06402.D	**Analyst approved:**	07/23/24 18:02 Thomas Hilbig
Injection Time:	07/23/24 16:47	**Supervisor approved:**	07/23/24 21:21 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak
Hexachlorobutadiene	87-68-3		18.76	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06402.D
Acq On : 23 Jul 2024 04:47 pm
Operator : thomash
Sample : icv244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 17:22:12 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



TIC: 8w06402.D\data.ms

(110) TVHC as equiv Pentane

2.404min (+0.000) 16.56PPBV

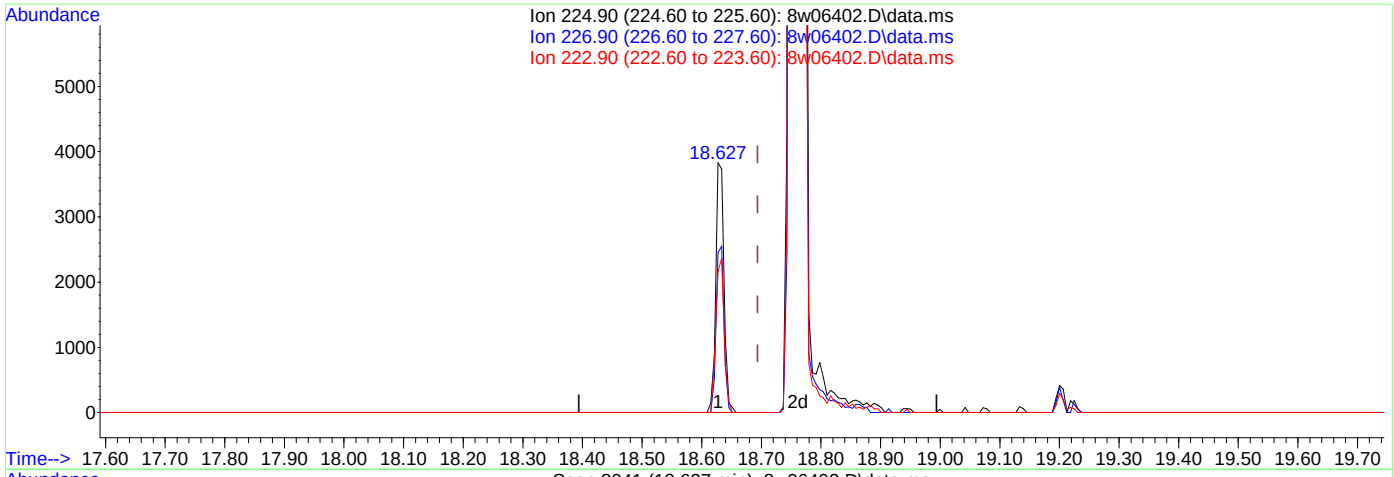
response 594176

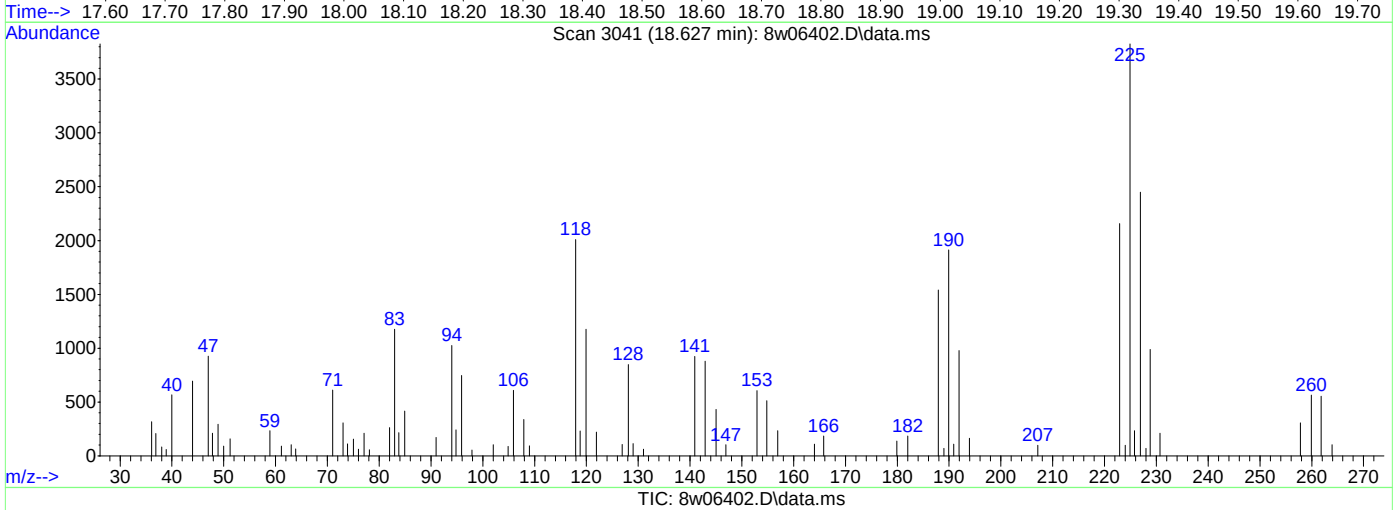
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06402.D
Acq On : 23 Jul 2024 04:47 pm
Operator : thomash
Sample : icv244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 17:25:14 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration





TIC: 8w06402.D\data.ms

(106) HEXACHLOROBUTADIENE (T)

18.627min (-0.067) 0.08PPBV

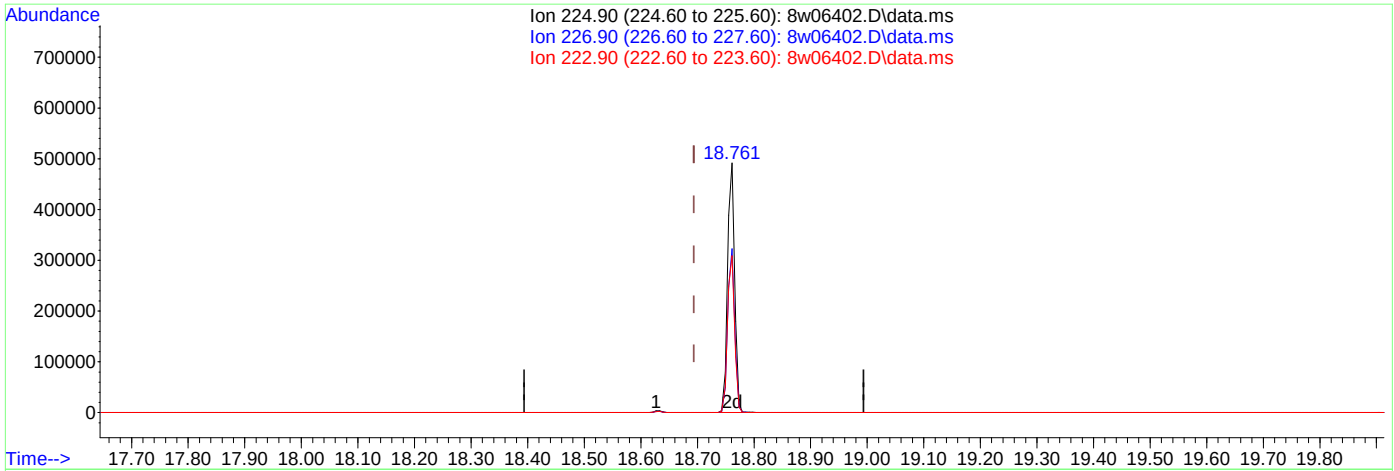
response 3646

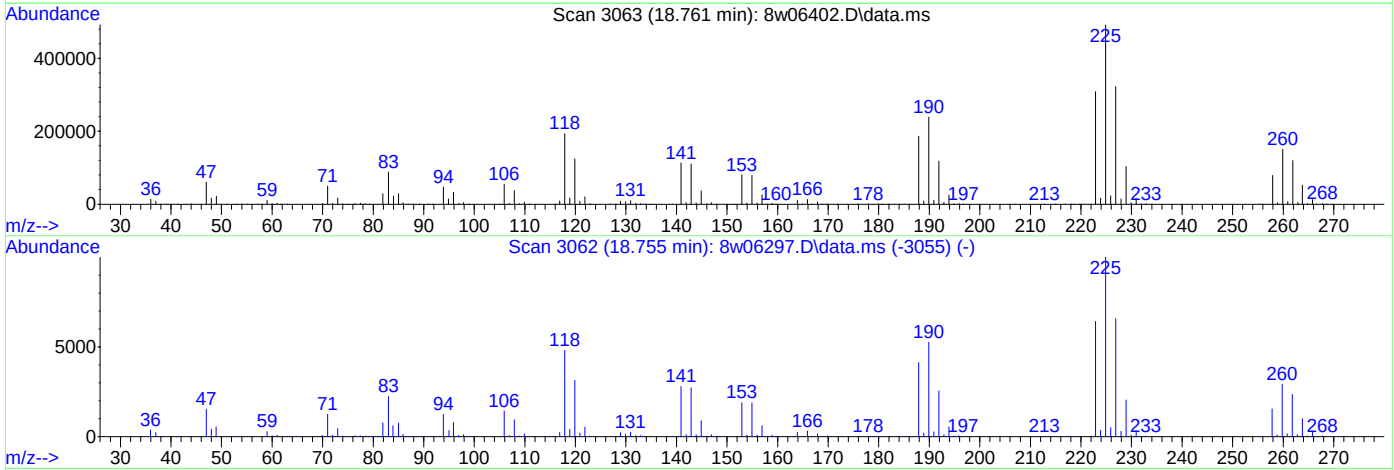
Ion	Exp%	Act%
224.90	100	100
226.90	64.10	63.47
222.90	62.40	62.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06402.D
Acq On : 23 Jul 2024 04:47 pm
Operator : thomash
Sample : icv244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 17:25:14 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration





TIC: 8w06402.D\data.ms

(106) HEXACHLOROBUTADIENE (T)

18.761min (+0.067) 9.61PPBV m

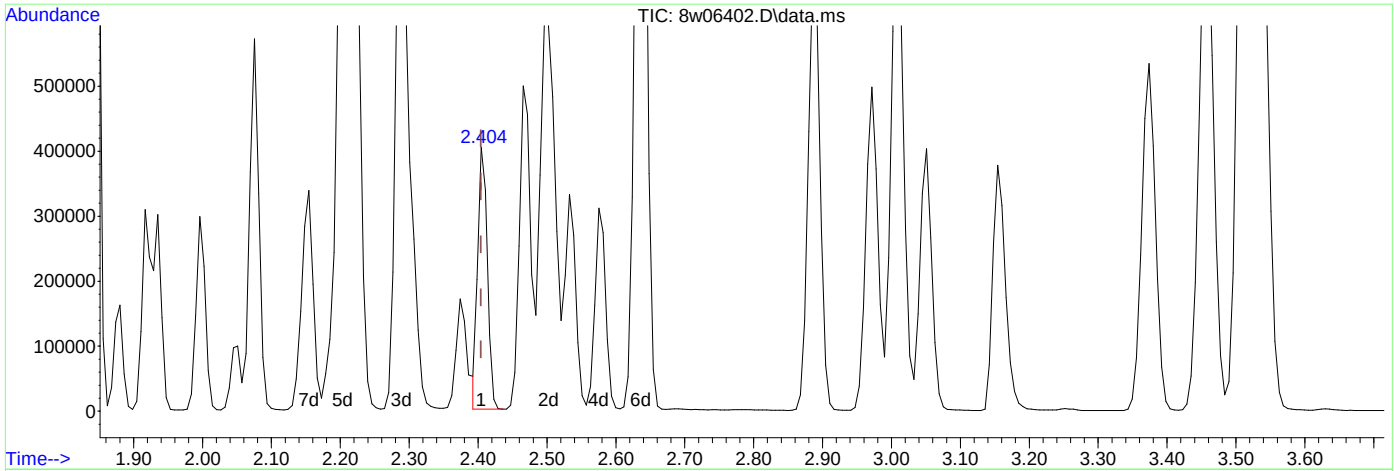
response 427622

Ion	Exp%	Act%
224.90	100	100
226.90	64.10	0.54#
222.90	62.40	0.53#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\8w\
Data File : 8w06402.D
Acq On : 23 Jul 2024 04:47 pm
Operator : thomash
Sample : icv244-10
Misc : MS83034,v8w0244,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 17:26:32 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



TIC: 8w06402.D\data.ms

(110) TVHC as equiv Pentane

2.404min (+0.000) 10.90PPBV m

response 390946

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/31/24 11:17

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06489.D
Acq On : 30 Jul 2024 03:09 am
Operator : benk
Sample : cc244-10 Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:28:03 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.459	128	192183	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	881848	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.696	117	803168	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	192183	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.122	95	577242	8.58	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.697	119	205544	25.5929	PPBV	93
3) FREON 152A	1.728	65	104798	10.3169	PPBV	87
4) CHLORODIFLUOROMETHANE	1.740	67	51374	8.4587	PPBV	77
5) CHLOROTRIFLUOROETHENE	1.752	116	273224	12.1701	PPBV	78
6) DICHLORODIFLUOROMETHANE	1.771	85	462010	9.7237	PPBV	98
7) PROPYLENE	1.746	41	121398	9.4378	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	299934	9.0109	PPBV #	100
9) FREON 114	1.844	85	325651	10.5945	PPBV	96
10) CHLOROMETHANE	1.813	52	23304	10.0304	PPBV #	41
11) VINYL CHLORIDE	1.880	62	94458	9.6066	PPBV	97
12) 1,3-BUTADIENE	1.917	54	69656	9.9223	PPBV	99
13) N-BUTANE	1.935	41	48898	9.3951	PPBV	97
14) BROMOMETHANE	1.996	94	102330	9.8464	PPBV	99
15) CHLOROETHANE	2.045	64	49887	9.0138	PPBV	99
16) DICHLOROFLUOROMETHANE	2.075	67	251170	9.4553	PPBV	100
17) ACETONITRILE	2.142	41	66416	8.6401	PPBV	100
18) ACROLEIN	2.185	56	39991	11.0440	PPBV	99
19) FREON 123	2.203	83	262728	9.9320	PPBV	98
20) FREON 123A	2.222	117	211558	11.0519	PPBV	86
21) TRICHLOROFLUOROMETHANE	2.289	101	442723	9.6271	PPBV	100
22) ISOPROPYL ALCOHOL	2.307	45	187823	9.2281	PPBV	99
23) ACETONE	2.228	58	46490	8.1813	PPBV	96
24) PENTANE	2.405	42	85969	9.8916	PPBV	97
25) IODOMETHANE	2.466	142	365680	11.8073	PPBV	93
26) 1,1-DICHLOROETHYLENE	2.496	96	112502	10.1146	PPBV	92
27) CARBON DISULFIDE	2.636	76	253327	9.9580	PPBV	99
28) ETHANOL	2.075	45	41748	9.5936	PPBV	98
29) BROMOETHENE	2.155	106	117053	10.7539	PPBV	97
30) ACRYLONITRILE	2.374	52	65206	8.2153	PPBV	98
31) METHYLENE CHLORIDE	2.533	84	91874	8.6704	PPBV	100
32) 3-CHLOROPROPENE	2.575	76	46920	8.7777	PPBV	97
33) FREON 113	2.636	151	257028	11.0701	PPBV	91
34) TRANS-1,2-DICHLOROETHENE	2.886	96	194482	11.5440	PPBV	87
35) TERTIARY BUTYL ALCOHOL	2.508	59	195432	8.6808	PPBV	98
36) METHYL TERTIARY BUTYL ...	3.008	73	465441	10.3723	PPBV	100
37) TETRAHYDROFURAN	3.770	72	78924	11.1280	PPBV	95
38) HEXANE	3.514	57	265320	10.9659	PPBV	96
39) VINYL ACETATE	3.051	86	44680	11.1065	PPBV	71
40) 1,1-DICHLOROETHANE	2.972	63	319376	10.3928	PPBV	100
41) METHYL ETHYL KETONE	3.154	72	84174	11.7754	PPBV	87
42) CIS-1,2-DICHLOROETHENE	3.374	96	201303	11.8891	PPBV	86
43) DIISOPROPYL ETHER	3.520	45	582897	11.0118	PPBV	98
44) ETHYL ACETATE	3.526	61	52711	10.8163	PPBV	96
45) METHYL ACRYLATE	3.508	55	337460	10.8241	PPBV #	99
46) CHLOROFORM	3.539	83	401062	10.2409	PPBV	98
47) 2,4-DIMETHYLPENTANE	4.075	57	336631	10.9588	PPBV	97
48) 1,1,1-TRICHLOROETHANE	4.160	97	451858	10.3630	PPBV	98
49) CARBON TETRACHLORIDE	4.624	117	517446	11.9727	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06489.D
Acq On : 30 Jul 2024 03:09 am
Operator : benk
Sample : cc244-10 Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:28:03 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.984	62	296312	9.2429	PPBV	#	98
51)	BENZENE	4.502	78	527005	11.1148	PPBV		94
53)	CYCLOHEXANE	4.727	84	245816	13.1756	PPBV		89
54)	2,3-DIMETHYLPENTANE	5.002	71	114551	12.0065	PPBV		87
55)	TRICHLOROETHENE	5.465	95	274993	11.5213	PPBV	#	85
56)	1,2-DICHLOROPROPANE	5.215	63	197493	11.1973	PPBV		94
57)	DIBROMOMETHANE	5.172	174	290323	12.0012	PPBV		89
58)	ETHYL ACRYLATE	5.343	55	447988	12.0154	PPBV		98
59)	BROMODICHLOROMETHANE	5.410	83	439526	11.2164	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.569	57	897056	11.4703	PPBV		99
61)	1,4-DIOXANE	5.477	88	137379	13.0113	PPBV		90
62)	HEPTANE	5.904	57	179084	11.9003	PPBV		97
63)	METHYL METHACRYLATE	5.794	69	195067	12.7804	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.569	58	181580	12.2652	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.465	75	324044	12.4946	PPBV		94
66)	TOLUENE	7.733	91	705183	12.7587	PPBV		99
67)	1,3-DICHLOROPROPANE	7.788	76	340607	11.6843	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.178	75	281416	11.3883	PPBV		97
69)	1,1,2-TRICHLOROETHANE	7.343	83	204874	12.2305	PPBV		97
70)	2-HEXANONE	8.318	58	240488	12.4427	PPBV		97
71)	ETHYL METHACRYLATE	8.458	69	330096	12.7497	PPBV		96
72)	TETRACHLOROETHENE	9.531	164	354062	13.0962	PPBV		96
73)	DIBROMOCHLOROMETHANE	8.288	129	479612	13.6463	PPBV		99
74)	1,2-DIBROMOETHANE	8.647	107	427994	13.5377	PPBV		100
75)	OCTANE	9.678	85	226376	13.9784	PPBV		91
77)	1,1,1,2-TETRACHLOROETHANE	10.787	131	368608	13.2790	PPBV		98
78)	CHLOROBENZENE	10.775	112	629877	13.0051	PPBV		91
79)	ETHYLBENZENE	11.677	91	983424	12.7840	PPBV		94
80)	M,P-XYLENE	12.110	91	1527253	24.1120	PPBV		95
81)	O-XYLENE	13.067	91	778723	12.5832	PPBV		93
82)	STYRENE	12.848	104	606380	14.8352	PPBV		93
83)	NONANE	14.195	85	175071	12.5852	PPBV		86
84)	BROMOFORM	11.927	173	511557	15.0462	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	13.080	83	509368	12.3392	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.366	75	413028	11.0596	PPBV		94
88)	ISOPROPYLBENZENE	14.604	120	315673	14.1508	PPBV	#	81
89)	BROMOBENZENE	14.476	77	516256	11.0228	PPBV	#	81
90)	2-CHLOROTOLUENE	15.622	126	297653	14.2964	PPBV		76
91)	N-PROPYLBENZENE	15.951	120	326511	14.9813	PPBV		79
92)	4-ETHYLTOLUENE	16.250	105	1182425	13.9626	PPBV		95
93)	1,3,5-TRIMETHYLBENZENE	16.390	105	981415	13.3894	PPBV		93
94)	ALPHA-METHYLSTYRENE	16.573	118	479938	14.1883	PPBV		96
95)	TERT-BUTYLBENZENE	16.817	134	218909	14.4697	PPBV	#	74
96)	1,2,4-TRIMETHYLBENZENE	16.823	105	938067	12.8675	PPBV		94
97)	BENZYL CHLORIDE	16.902	91	557971	11.3772	PPBV		95
98)	M-DICHLOROBENZENE	16.878	146	679998	13.1532	PPBV		96
99)	P-DICHLOROBENZENE	16.957	146	692352	13.7372	PPBV		96
100)	O-DICHLOROBENZENE	17.231	146	626625	12.9227	PPBV		96
101)	SEC-BUTYLBENZENE	17.073	134	288510	14.7807	PPBV	#	78
102)	1,2,3-TRIMETHYLBENZENE	17.182	105	937126	12.2618	PPBV		94
103)	P-ISOPROPYLTOLUENE	17.243	134	299068	13.8776	PPBV	#	82
104)	N-BUTYLBENZENE	17.567	134	293770	13.8228	PPBV		75
105)	HEXACHLOROETHANE	17.737	117	391486	14.6069	PPBV		98
106)	HEXACHLOROBUTADIENE	18.700	225	552389	10.3284	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.420	180	578993	11.4604	PPBV		98
108)	NAPHTHALENE	18.463	128	1068817	11.7037	PPBV		99
110)	TVHC as equiv Pentane	2.405	TIC	447158m	9.8867	PPBV		

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06489.D
Acq On : 30 Jul 2024 03:09 am
Operator : benk
Sample : cc244-10 Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:28:03 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

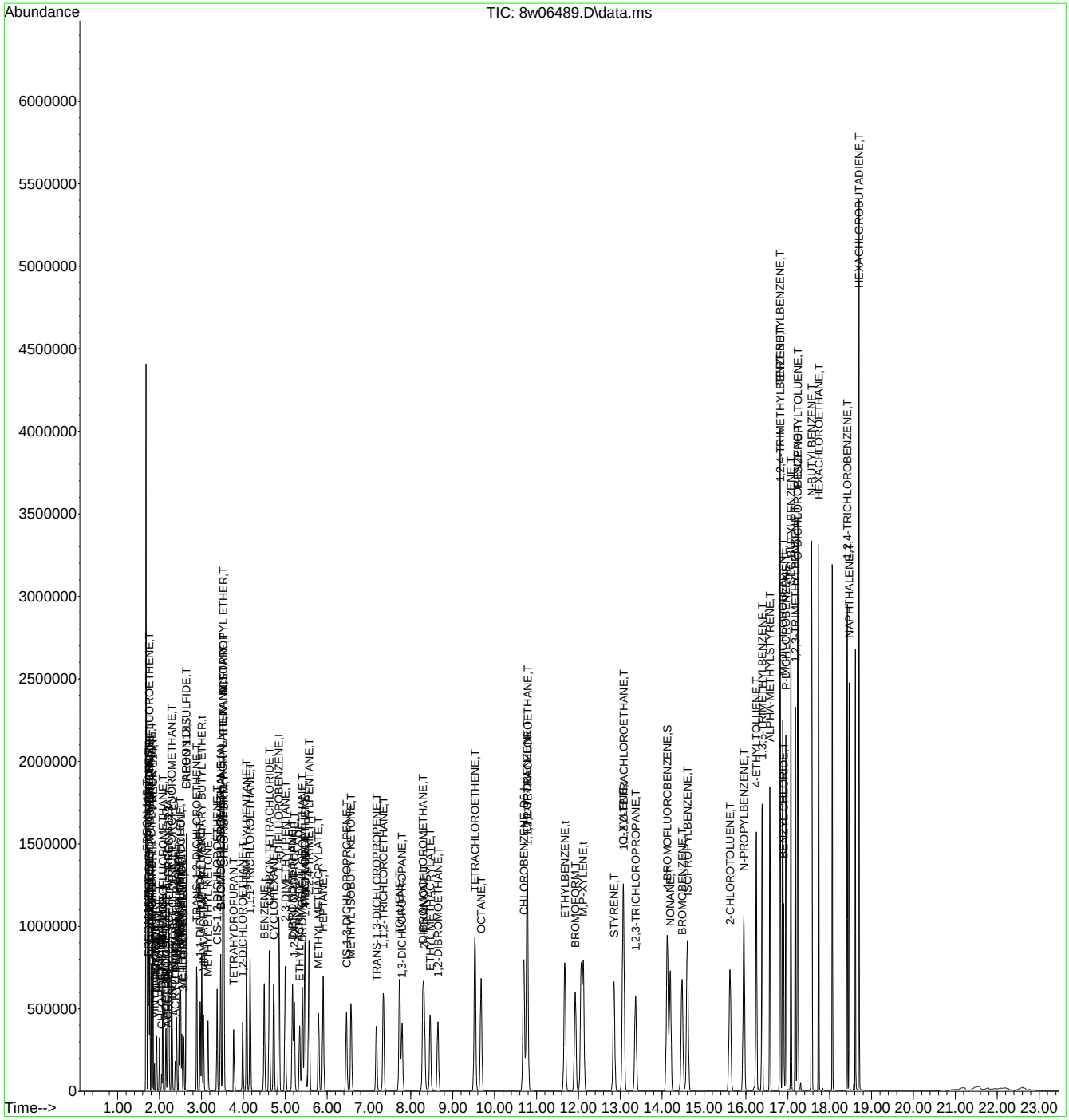
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06489.D
Acq On : 30 Jul 2024 03:09 am
Operator : benk
Sample : cc244-10 Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:28:03 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



Manual Integration Approval Summary

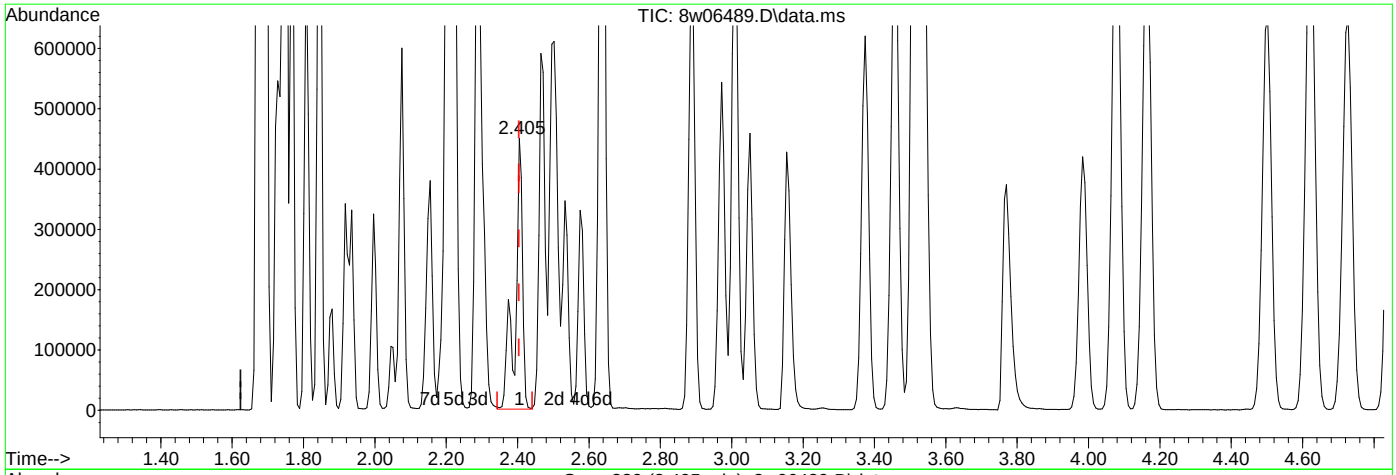
Sample Number:	V8W249-CC244	**Method:**	TO-15
Lab FileID:	8W06489.D	**Analyst approved:**	07/31/24 02:57 Lucky Carandang
Injection Time:	07/30/24 03:09	**Supervisor approved:**	07/31/24 11:17 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06489.D
Acq On : 30 Jul 2024 03:09 am
Operator : benk
Sample : cc244-10 Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:20:50 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



TIC: 8w06489.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.001) 14.45PPBV

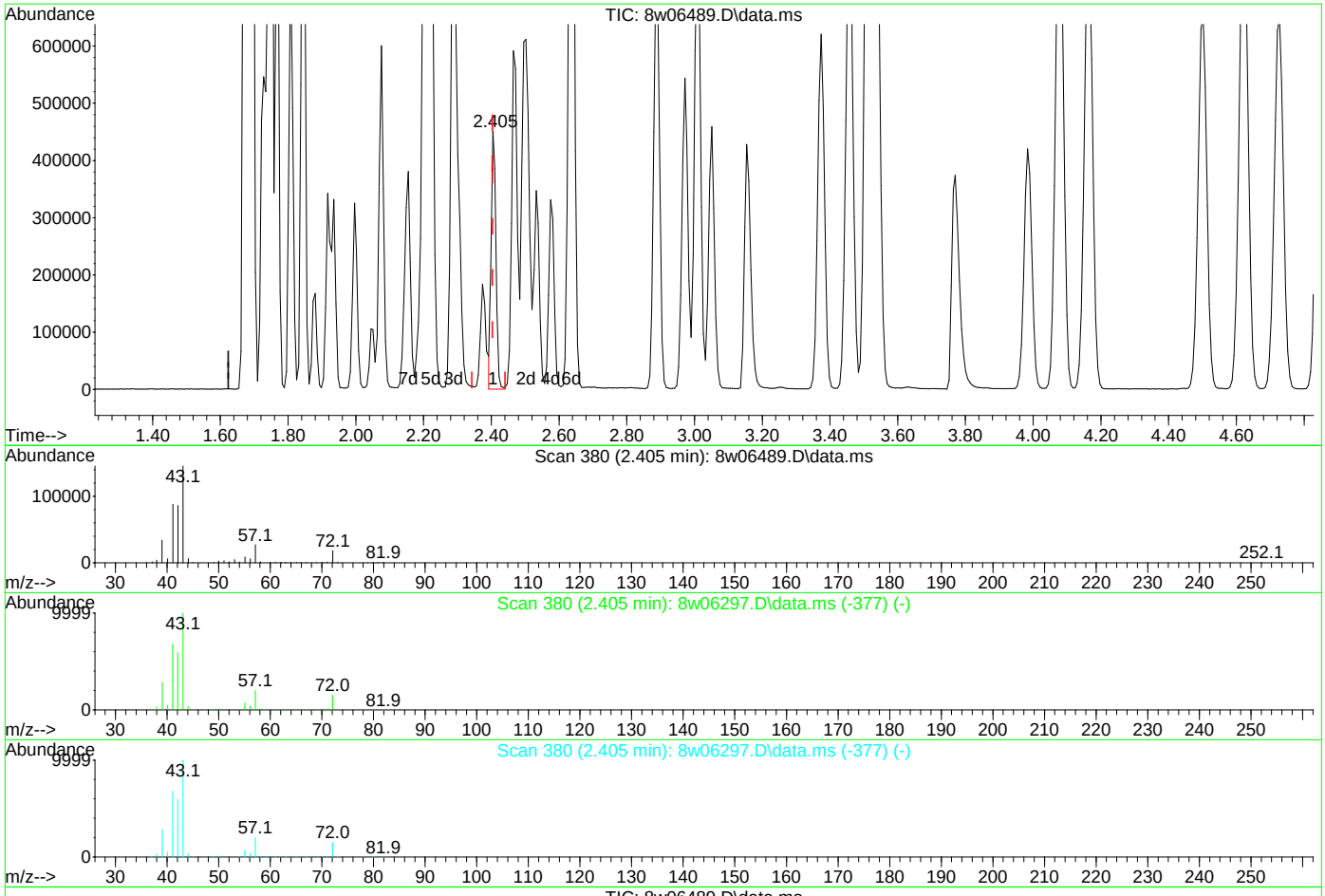
response 653587

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\31 JULY 2024\V8W249\
Data File : 8w06489.D
Acq On : 30 Jul 2024 03:09 am
Operator : benk
Sample : cc244-10 Inst : GCMS
Misc : MS82971,v8w0249,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 04:20:50 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



(110) TVHC as equiv Pentane

2.405min (+0.001) 9.89PPBV m

response 447158

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/01/24 11:06

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06528.D
Acq On : 31 Jul 2024 12:28 pm
Operator : thomash
Sample : cc244-10 Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:29:02 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.459	128	197552	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.849	114	918964	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.696	117	830026	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.459	128	197552	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.122	95	607136	8.73	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.697	119	139064	16.8447	PPBV		92
3) FREON 152A	1.722	65	98941	9.4756	PPBV		90
4) CHLORODIFLUOROMETHANE	1.740	67	50034	8.0142	PPBV		80
5) CHLOROTRIFLUOROETHENE	1.752	116	262547	11.3767	PPBV		81
6) DICHLORODIFLUOROMETHANE	1.771	85	456940	9.3556	PPBV		98
7) PROPYLENE	1.746	41	112044	8.4739	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.807	65	296043	8.6523	PPBV	#	99
9) FREON 114	1.844	85	320377	10.1396	PPBV		96
10) CHLOROMETHANE	1.813	52	21859	9.1527	PPBV	#	30
11) VINYL CHLORIDE	1.880	62	90701	8.9738	PPBV		100
12) 1,3-BUTADIENE	1.917	54	67911	9.4108	PPBV		98
13) N-BUTANE	1.935	41	47810	8.9364	PPBV		99
14) BROMOMETHANE	1.996	94	101710	9.5208	PPBV		99
15) CHLOROETHANE	2.045	64	48163	8.4658	PPBV		99
16) DICHLOROFLUOROMETHANE	2.075	67	246085	9.0121	PPBV		100
17) ACETONITRILE	2.142	41	63923	8.0897	PPBV		99
18) ACROLEIN	2.185	56	37969	10.2006	PPBV		99
19) FREON 123	2.203	83	255555	9.3983	PPBV		97
20) FREON 123A	2.222	117	206769	10.5081	PPBV		86
21) TRICHLOROFLUOROMETHANE	2.289	101	439699	9.3015	PPBV		99
22) ISOPROPYL ALCOHOL	2.301	45	183772	8.7837	PPBV		99
23) ACETONE	2.228	58	45452	7.7812	PPBV		92
24) PENTANE	2.405	42	82625	9.2485	PPBV		99
25) IODOMETHANE	2.466	142	366319	11.5065	PPBV		93
26) 1,1-DICHLOROETHYLENE	2.496	96	112153	9.8092	PPBV		91
27) CARBON DISULFIDE	2.636	76	247728	9.4733	PPBV		99
28) ETHANOL	2.075	45	40928	9.1496	PPBV		98
29) BROMOETHENE	2.155	106	113172	10.1147	PPBV		97
30) ACRYLONITRILE	2.374	52	63335	7.7627	PPBV		99
31) METHYLENE CHLORIDE	2.533	84	90672	8.3244	PPBV		98
32) 3-CHLOROPROPENE	2.575	76	45193	8.2249	PPBV		96
33) FREON 113	2.636	151	263442	11.0380	PPBV		88
34) TRANS-1,2-DICHLOROETHENE	2.886	96	186486	10.7685	PPBV		87
35) TERTIARY BUTYL ALCOHOL	2.508	59	196435	8.4883	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.008	73	453906	9.8403	PPBV		99
37) TETRAHYDROFURAN	3.770	72	74098	10.1636	PPBV		94
38) HEXANE	3.514	57	250015	10.0525	PPBV		96
39) VINYL ACETATE	3.051	86	43184	10.4429	PPBV		73
40) 1,1-DICHLOROETHANE	2.971	63	303405	9.6047	PPBV		99
41) METHYL ETHYL KETONE	3.154	72	79338	10.7972	PPBV		89
42) CIS-1,2-DICHLOROETHENE	3.374	96	191045	10.9766	PPBV		87
43) DIISOPROPYL ETHER	3.520	45	546504	10.0437	PPBV		98
44) ETHYL ACETATE	3.526	61	49098	9.8011	PPBV		97
45) METHYL ACRYLATE	3.508	55	316569	9.8781	PPBV	#	100
46) CHLOROFORM	3.538	83	387809	9.6333	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.075	57	314774	9.9687	PPBV		97
48) 1,1,1-TRICHLOROETHANE	4.160	97	449265	10.0235	PPBV		98
49) CARBON TETRACHLORIDE	4.618	117	515455	11.6025	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06528.D
Acq On : 31 Jul 2024 12:28 pm
Operator : thomash
Sample : cc244-10 Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:29:02 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.984	62	293283	8.8998	PPBV	#	98
51)	BENZENE	4.502	78	491410	10.0824	PPBV		95
53)	CYCLOHEXANE	4.727	84	229897	11.8246	PPBV		89
54)	2,3-DIMETHYLPENTANE	5.002	71	106865	10.7485	PPBV		88
55)	TRICHLOROETHENE	5.465	95	263529	10.5951	PPBV		86
56)	1,2-DICHLOROPROPANE	5.215	63	185490	10.0920	PPBV		96
57)	DIBROMOMETHANE	5.172	174	293217	11.6313	PPBV		86
58)	ETHYL ACRYLATE	5.343	55	425787	10.9587	PPBV		99
59)	BROMODICHLOROMETHANE	5.410	83	431641	10.5703	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.569	57	837322	10.2740	PPBV		99
61)	1,4-DIOXANE	5.477	88	127680	11.6043	PPBV		91
62)	HEPTANE	5.904	57	168283	10.7309	PPBV		96
63)	METHYL METHACRYLATE	5.794	69	182663	11.4843	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.568	58	169079	10.9595	PPBV		97
65)	CIS-1,3-DICHLOROPROPENE	6.459	75	308797	11.4258	PPBV		95
66)	TOLUENE	7.727	91	663857	11.5259	PPBV		100
67)	1,3-DICHLOROPROPANE	7.788	76	321855	10.5951	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.172	75	270772	10.5150	PPBV		97
69)	1,1,2-TRICHLOROETHANE	7.343	83	193684	11.0954	PPBV		98
70)	2-HEXANONE	8.318	58	224834	11.1629	PPBV		99
71)	ETHYL METHACRYLATE	8.458	69	306364	11.3552	PPBV		97
72)	TETRACHLOROETHENE	9.525	164	352874	12.5251	PPBV		94
73)	DIBROMOCHLOROMETHANE	8.288	129	482197	13.1658	PPBV		100
74)	1,2-DIBROMOETHANE	8.641	107	403083	12.2348	PPBV		99
75)	OCTANE	9.678	85	215145	12.7484	PPBV		89
77)	1,1,1,2-TETRACHLOROETHANE	10.781	131	356880	12.4405	PPBV		99
78)	CHLOROBENZENE	10.769	112	595973	11.9069	PPBV		92
79)	ETHYLBENZENE	11.671	91	933449	11.7417	PPBV		95
80)	M,P-XYLENE	12.110	91	1462689	22.3454	PPBV		88
81)	O-XYLENE	13.067	91	740434m	11.5774	PPBV		
82)	STYRENE	12.848	104	575378	13.6212	PPBV		94
83)	NONANE	14.189	85	165003	11.4776	PPBV		84
84)	BROMOFORM	11.921	173	505736	14.3937	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	13.073	83	468070	10.9718	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.360	75	393943	10.2072	PPBV		95
88)	ISOPROPYLBENZENE	14.597	120	297650	12.9111	PPBV	#	82
89)	BROMOBENZENE	14.476	77	485283	10.0262	PPBV	#	77
90)	2-CHLOROTOLUENE	15.616	126	282966	13.1512	PPBV		77
91)	N-PROPYLBENZENE	15.951	120	313705	13.9280	PPBV		77
92)	4-ETHYLTOLUENE	16.250	105	1130592	12.9185	PPBV		95
93)	1,3,5-TRIMETHYLBENZENE	16.384	105	943118	12.4506	PPBV		93
94)	ALPHA-METHYLSTYRENE	16.573	118	463817	13.2680	PPBV		95
95)	TERT-BUTYLBENZENE	16.817	134	216076	13.8203	PPBV	#	72
96)	1,2,4-TRIMETHYLBENZENE	16.823	105	900511	11.9526	PPBV		94
97)	BENZYL CHLORIDE	16.902	91	533785	10.5318	PPBV		95
98)	M-DICHLOROBENZENE	16.884	146	651463	12.1935	PPBV		96
99)	P-DICHLOROBENZENE	16.963	146	665596	12.7790	PPBV		96
100)	O-DICHLOROBENZENE	17.237	146	617968	12.3318	PPBV		95
101)	SEC-BUTYLBENZENE	17.085	134	278893	13.8257	PPBV	#	78
102)	1,2,3-TRIMETHYLBENZENE	17.188	105	907001	11.4837	PPBV		94
103)	P-ISOPROPYLTOLUENE	17.256	134	291133	13.0723	PPBV	#	81
104)	N-BUTYLBENZENE	17.585	134	286162	13.0291	PPBV		75
105)	HEXACHLOROETHANE	17.755	117	376468	13.5921	PPBV		95
106)	HEXACHLOROBUTADIENE	18.749	225	601200	10.8773	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.457	180	614142	11.7628	PPBV		98
108)	NAPHTHALENE	18.505	128	1056598	11.1955	PPBV		100
110)	TVHC as equiv Pentane	2.405	TIC	429115m	9.2299	PPBV		

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06528.D
Acq On : 31 Jul 2024 12:28 pm
Operator : thomash
Sample : cc244-10 Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:29:02 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration

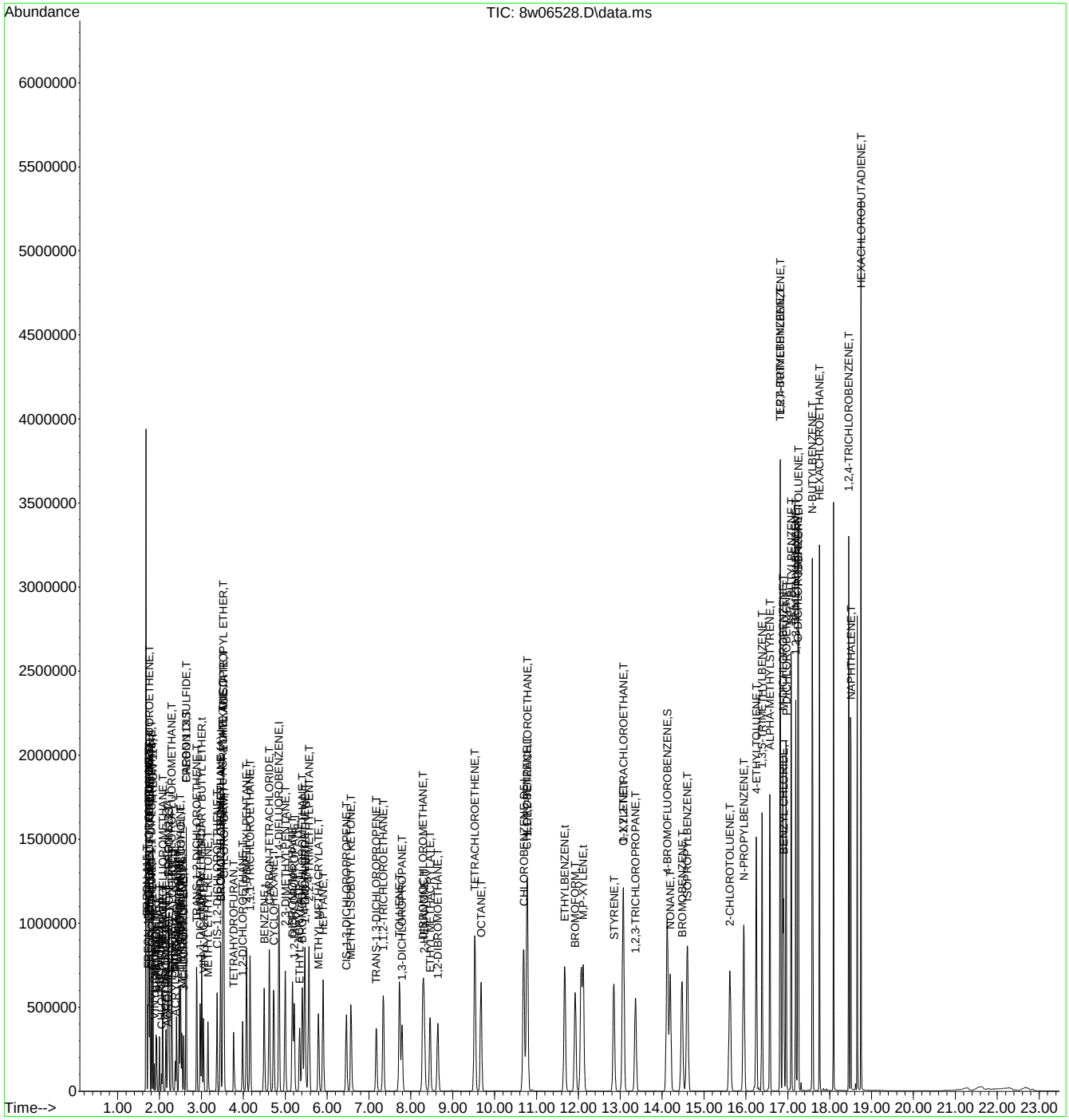
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06528.D
Acq On : 31 Jul 2024 12:28 pm
Operator : thomash
Sample : cc244-10 Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:29:02 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



Manual Integration Approval Summary

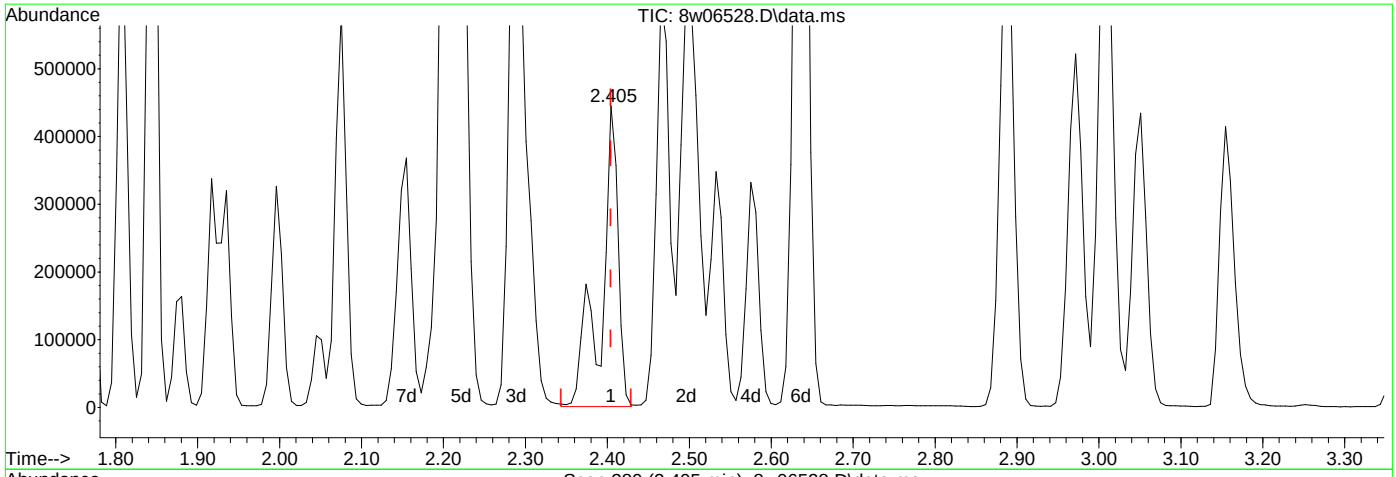
Sample Number:	V8W250-CC244	**Method:**	TO-15
Lab FileID:	8W06528.D	**Analyst approved:**	08/01/24 04:03 Kristel Valladolid
Injection Time:	07/31/24 12:28	**Supervisor approved:**	08/01/24 11:06 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.40	Overlapping peak
o-Xylene	95-47-6		13.07	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06528.D
Acq On : 31 Jul 2024 12:28 pm
Operator : thomash
Sample : cc244-10 Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:07:10 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



TIC: 8w06528.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.001) 13.77PPBV

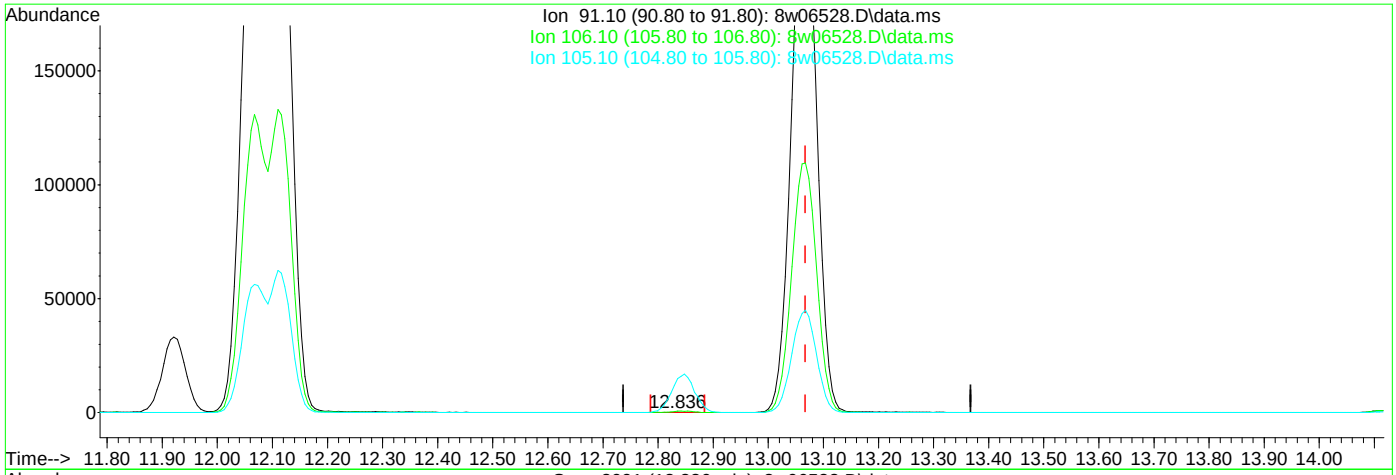
response 640238

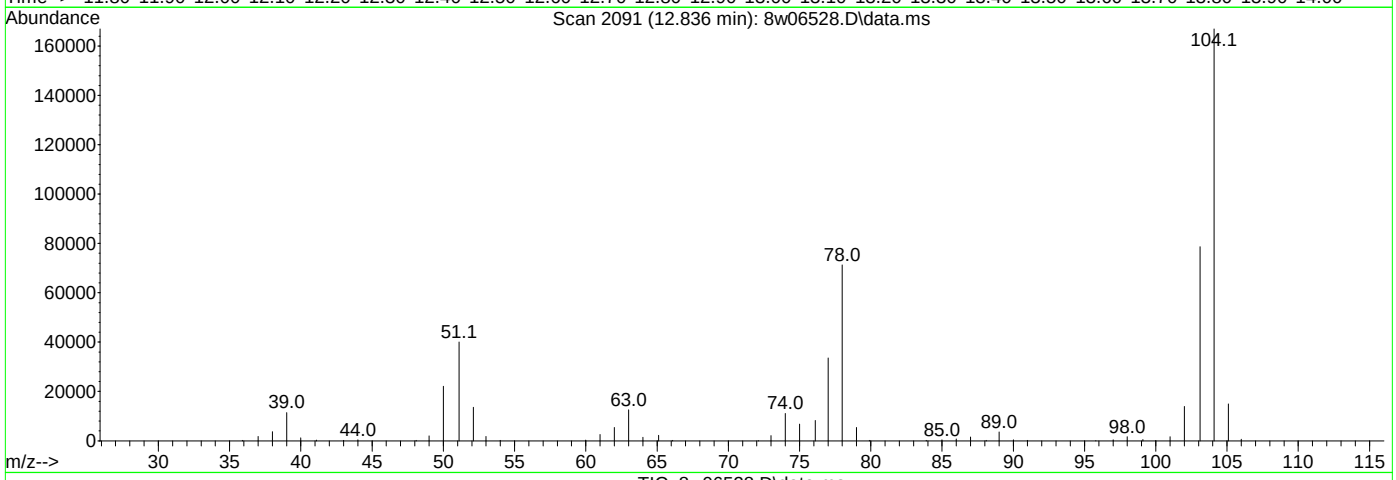
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06528.D
Acq On : 31 Jul 2024 12:28 pm
Operator : thomash
Sample : cc244-10 Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:07:10 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration





TIC: 8w06528.D\data.ms

(81) O-XYLENE (t)

12.836min (-0.231) 0.00PPBV

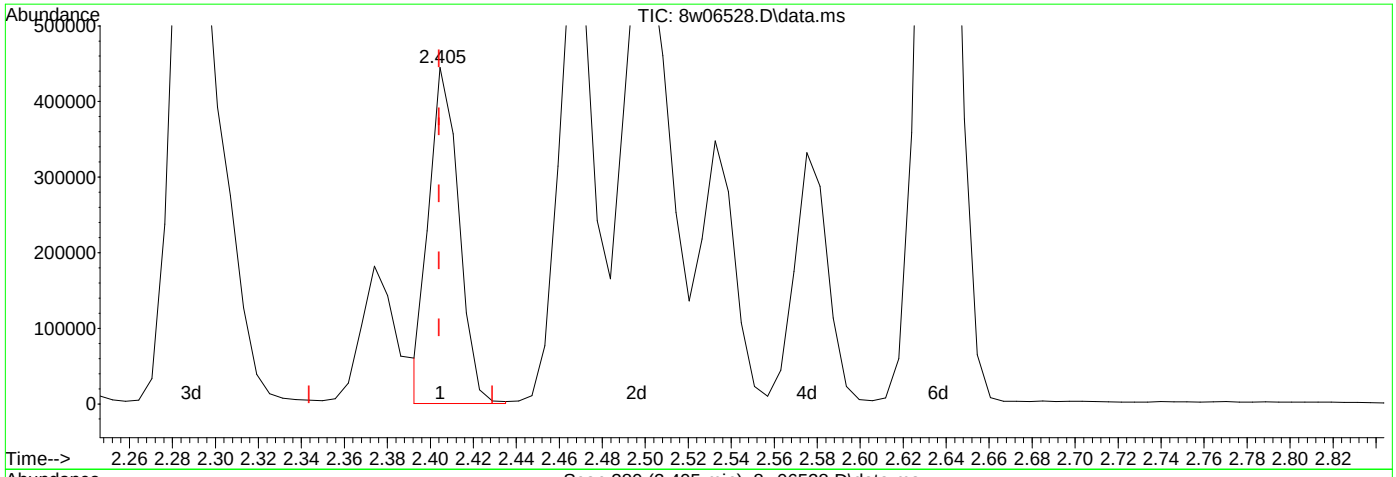
response 302

Ion	Exp%	Act%
91.10	100	100
106.10	41.70	334.95#
105.10	17.40	8059.68#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06528.D
Acq On : 31 Jul 2024 12:28 pm
Operator : thomash
Sample : cc244-10 Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:07:10 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration



TIC: 8w06528.D\data.ms

(110) TVHC as equiv Pentane

2.405min (+0.001) 9.23PPBV m

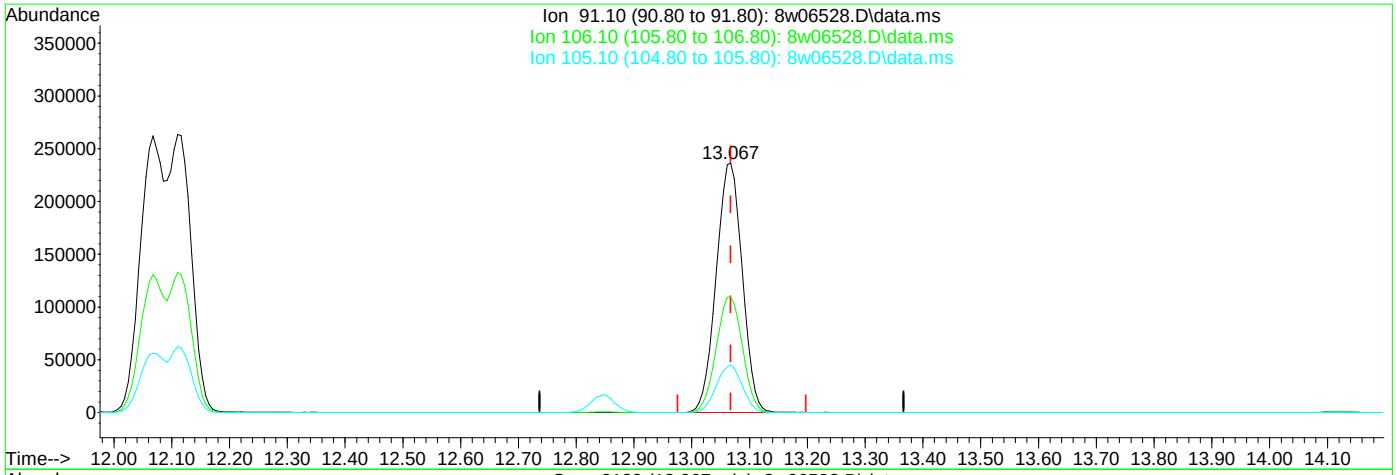
response 429115

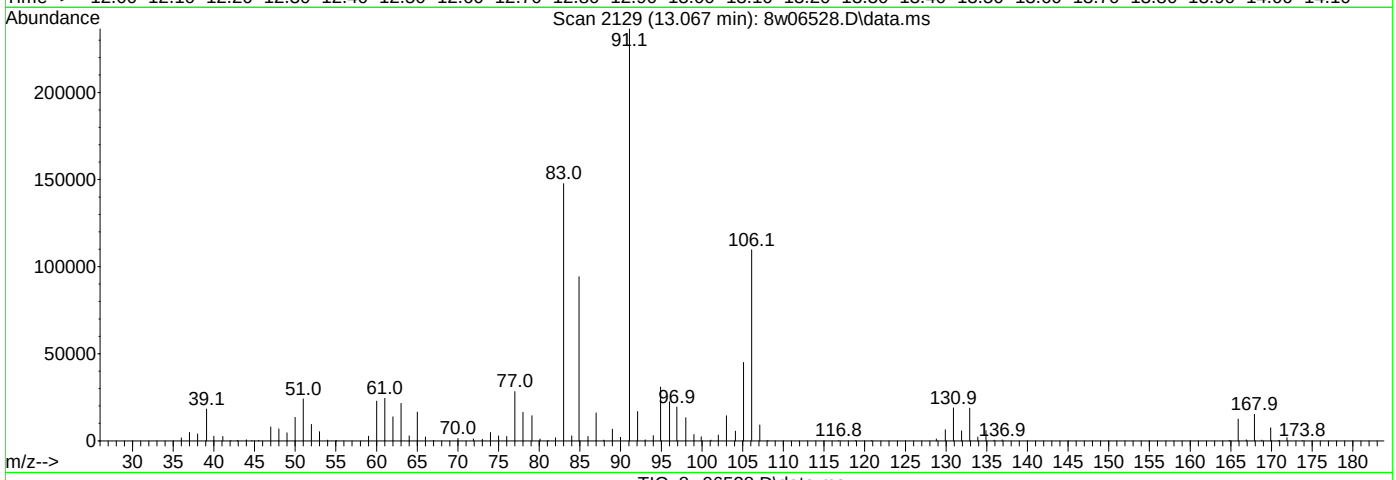
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\080124\v8w250\
Data File : 8w06528.D
Acq On : 31 Jul 2024 12:28 pm
Operator : thomash
Sample : cc244-10 Inst : GCMS
Misc : MS82887,v8w0250,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 01 06:29:02 2024
Quant Method : C:\msdchem\1\methods\m8w0244.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 23 15:48:36 2024
Response via : Initial Calibration





TIC: 8w06528.D\data.ms

(81) O-XYLENE (t)

13.067min (+0.000) 11.58PPBV m

response 740434

Ion	Exp%	Act%
91.10	100	100
106.10	41.70	46.33
105.10	17.40	19.01
0.00	0.00	0.00

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration**
Internal/Surrogate	AS9902	AS10058	5/31/2024	100
TO-15 STD	A1788	AS10188	3/29/2024	40
TO-15 STD	A1803	AS10194	4/1/2024	1
TO-15 LCS	A1806	AS10164	3/3/2024	40

Batch ID: V7W201
Date: 3/2/2024
Laboratory Analyst: Benjamin Kim
Columns: DB-1: 30mx0.25mmx0.5um
GCMS Method: 7WTO15split.M
Sequence File: 7w20240302.s
Initial Calibration Method: M7W0201.M
Concentrator Method: 7WTO15.7200A.CTD
Data Validator: Taylor Sauter

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	Status	COMMENTS
2-4	ib	7W05114			A1806	5						
2-3	ib	7W05115			A1788	5						
2-2	ib	7W05116			A1803	20						
2-5	ib	7W05117			OPEN	400						
2-1	ib	7W05118			A959	20						
2-1	ib	7W05119			A959	20						
2-1	ib	7W05120			A959	20						
2-1	ib	7W05121			A959	20						
2-1	bfb	7W05122			A959	20					OK	T = 1:33 pm
2-2	ic0201-0.04	7W05123			A1803	16					OK	
2-2	ic0201-0.10	7W05124			A1803	40					OK	
2-2	ic0201-0.20	7W05125			A1803	80					OK	
2-2	ic0201-0.50	7W05126			A1803	200					OK	
2-3	ic0201-5	7W05127			A1788	50					OK	
2-3	icc0201-10	7W05128			A1788	100					OK	
2-3	ic0201-20	7W05129			A1788	200					OK	
2-3	ic0201-40	7W05130			A1788	400					OK	
2-3	ic0201-50	7W05131			A1788	500					OK	
2-1	ib	7W05132			A959	20						
2-1	ib	7W05133			A959	20						
2-1	ib	7W05134			A959	20						
2-4	icv0201-10	7W05135			A1806	100					OK	
2-4	test	7W05136			A1806	100						
2-1	ib	7W05137			A959	20						
2-1	ib	7W05138			A959	20						
2-1	ib	7W05139			A959	20						

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration**
Internal/Surrogate	AS9902	AS10058	5/31/2024	100
TO-15 STD	A977	AS10189	3/29/2024	40

Batch ID: V7W222
Date: 3/30/2024
Laboratory Analyst: Taylor Sauter
Columns: DB-1: 30mx0.25mmx0.5um
GCMS Method: 7WTO15split.M
Sequence File: 7w20240330.s
Initial Calibration Method: M7W0201.M
Concentrator Method: 7WTO15.7200A.CTD
Data Validator: Taylor Sauter
Lucky Carandang

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	Status	COMMENTS
2-1	bfb	7w05809			open position	20					RR	
2-2	cc201-10	7w05810			a977	100					RR	retune instrument
2-1	bfb	7w05811			open position	20					OK	t=10:39am
2-2	cc201-10	7w05812			a977	100			√	√	OK	
2-2	bs	7w05813			a977	100			√	√	OK	
2-2	bsd	7w05814			a977	100			√	√	OK	bromoform ↑, hexachloroethane ↑
2-3	ib	7w05815			a959	100					-	
2-3	mb	7w05816			a959	400		+	√	√	OK	
2-5	scc,cp12725	7w05817			a1277	400			√	√	OK	
2-6	scc,cp12727	7w05818			a1699	400			√	√	OK	
2-7	scc,cp12727	7w05819			a1718	400			√	√	OK	
2-8	scc,cp12724	7w05820			a2141	400			√	√	OK	
2-9	scc,cp12724	7w05821			m024	400			√	√	OK	
2-10	scc,cp12724	7w05822			m142	400			√	√	OK	
b1	jd85407-7	7w05823	MS79264	STD, nap	a1550	100	1				RR	Position not reached. No sample injected.
b2	jd85407-8	7w05824	MS79264	STD, nap	a2391	100	1		√	√	OK	
b3	jd85407-9	7w05825	MS79264	STD, nap	a2362	100	1		√	√	OK	
b4	jd85407-10	7w05826	MS79264	STD, nap	a2229	100	1		√	√	OK	
2-11	jd83649-4r	7w05827	MS78467	SL+	a2538	640	1.6	+	√	√	OK	
2-11	jd83649-4rdup	7w05828	MS78467	SL+	a2538	640	1.6		√	√	OK	
2-12	jd83649-5r	7w05829	MS78467	SL+	a2443	410	1.7	+	√	√	OK	Sampling timed out. 410mL injected due to limited volume.
2-13	jd85244-5	7w05830	MS79191	RCP	a1778	400	1		√	√	OK	
2-14	jd85244-1	7w05831	MS79191	RCP	a2066	100	1		√	√	OK	
2-15	jd85244-4	7w05832	MS79191	RCP	m036	400	1		√	√	OK/DL	
2-16	jd84729-1	7w05833	MS78944	STD	a1731	400	1		√	√	OK	
2-1	jd84728-4	7w05834	MS78944	STD+, nap	a268	400	1	+	√	√	OK	
2-4	jd84728-1	7w05835	MS78944	STD+, nap	a1842	400	1	+	√	√	OK	
d8	jd84728-2	7w05836	MS78944	STD+, nap	a203	400	1	+	√	√	OK	
d9	jd84728-3	7w05837	MS78944	STD+, nap	m243	400	1	+	√	√	OK	
2-3	ib	7w05838			a959	20					-	
c1	jd85313-1	7w05839	MS79236	SL	tbag	20	1		√	√	OK	rr f/d
2-3	ib	7w05840			a959	20					-	
c1	jd85313-1	7w05841	MS79236	SL	tbag	5	1		√	√	OK	
2-3	ib	7w05842			a959	20					-	
c2	jd85313-2	7w05843	MS79236	SL	tbag,tbag	200	500		√	√	OK	
2-3	ib	7w05844			a959	20					-	
c3	jd85313-3	7w05845	MS79236	SL	tbag,tbag	80	1000		√	√	OK	08:52am

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration**
Internal/Surrogate	AS9902	AS10058	5/31/2024	100
TO-15 STD	A977	AS10189	3/29/2024	40

Batch ID: V7W222
Date: 3/30/2024
Laboratory Analyst: Taylor Sauter
Columns: DB-1: 30mx0.25mmx0.5um
GCMS Method: 7WTO15split.M
Sequence File: 7w20240330.s
Initial Calibration Method: M7W0201.M
Concentrator Method: 7WTO15.7200A.CTD
Data Validator: Taylor Sauter
Lucky Carandang

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	Status	COMMENTS
2-3	ib	7w05846			a959	20					-	

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration**
Internal/Surrogate	AS10056	AS10056	5/31/2024	100
TO-15 STD	A974	AS10247	5/13/2024	40

Batch ID: V7W236
Date: 4/19/2024
Laboratory Analyst: Benjamin Kim
Columns: DB-1: 30mx0.25mmx0.5um
GCMS Method: 7WTO15split.M
Sequence File: 7w20240419.s
Initial Calibration Method: M7W0201.M
Concentrator Method: 7WTO15.7200A.CTD
Data Validator: Taylor Sauter

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	Status	COMMENTS
2-1	bfb	7W05241			A2036	400					OK	T = 18:46
2-2	cc201-10	7W05242			A974	100			√	√	OK	
2-2	bs	7W05243			A974	100			√	√	OK	
2-2	bsd	7W05244			A974	100			√	√	OK	
2-1	ib	7W05245			A2036	100						
2-1	ib	7W05246			A2036	200						
2-1	mb	7W05247			A2036	400					RR	
2-3	mb	7W05248			A1338	400			√	√	OK	
2-4	scc,cp12755	7W05249			A2474	400			√	√	OK	
2-5	scc,cp12755	7W05250			A1679	400			√	√	OK	
2-6	scc,cp12762	7W05251			A1307	400			√	√	OK	
2-7	scc,cp12749	7W05252			A1282	400			√	√	OK	
2-8	scc,cp12762	7W05253			A1112	400			√	√	OK	
2-9	scc,cp12762	7W05254			A1361	400			√	√	OK	
2-10	scc,cp12748	7W05255			A1756	400			√	√	OK	
2-11	scc,cp12753	7W05256			A1276	400			√	√	OK	
2-12	scc,cp12749	7W05257			A989	400			√	√	OK	
2-13	scc,cp12757	7W05258			A838	400			√	√	OK	
2-14	scc,cp12757	7W05259			A1474	400			√	√	OK	
2-15	scc,cp12754	7W05260			A1774	400			√	√	OK	
2-16	scc,cp12754	7W05261			A1464	400			√	√	OK	
c-1	scc,cp12749	7W05262			A1776	400					RR	system artifact
c-2	scc,cp12753	7W05263			A2047	400					RR	system artifact
c-3	scc,cp12756	7W05264			A1063	400			√	√	OK	
c-4	scc,cp12724	7W05265			M024	400					RR	sampling error
c-5	scc,cp12750	7W05266			A1616	400			√	√	OK	
c-6	scc,cp12748	7W05267			A1724	400			√	√	OK	
a-1	scc,cp12767	7W05268			A1889	100			√	√	OK	
a-2	scc,cp12767	7W05269			A1524	100					NR	sequence stopped manually
a-3	scc,cp12767	7W05270			A1449	100					NR	sequence stopped manually
a-4	scc,cp12767	7W05271			A1221	100					NR	sequence stopped manually
a-5	scc,cp12767	7W05272			A1948	100					NR	sequence stopped manually
2-3	scc,cp12755	7W05273			A1338	400					NR	sequence stopped manually

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1737	AS10298	5/31/2025	100
TO-15 STD	A968	AS10355	8/13/2024	50
TO-15 STD	A2045	AS10358	8/14/2024	5.0
TO-15 STD	A1784	AS10359	8/14/2024	0.5
TO15 STD	A2043	AS10356	8/14/2024	5
TO15 STD	A2037	AS10379	8/14/2024	5
TO15 LCS	A980	AS10366	8/14/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V8W244
Date: 7/22/2024
Laboratory Analyst: Thomas Hilbig
Columns: DB-1 30mx0.25mmx0.5um
GCMS Method: 8WTO15.M
Sequence File: 8w20240722.s
Initial Calibration Method: M8W0244.M
Concentrator Method: 8WTO15B.7200A.CTD
Data Validator: Thomas Hilbig

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-4	ib	8w06374			A2044	20					-	
1-4	ib	8w06375			A2044	20					-	
1-4	ib	8w06376			A2044	20					-	
1-4	ib	8w06377			A2044	20					-	
1-4	ib	8w06378			A2044	20					-	
1-1	bfb	8w06379			A1784	32					OK	
1-1	ic244-0.04	8w06380			A1784	32					OK	
1-1	ic244-0.1	8w06381			A1784	80					OK	
1-1	ic244-0.2	8w06382			A1784	160					OK	
1-1	ic244-0.5	8w06383			A1784	400					NOT USED	
1-2	ic244-0.5	8w06384			A2045	40					RR	Active sites in canister.
1-2	ic244-5	8w06385			A2045	400					NOT USED	
1-3	ic244-5	8w06386			A968	40					OK	
1-3	icc244-10	8w06387			A968	80					OK	
1-3	ic244-20	8w06388			A968	160					OK	
1-3	ic244-40	8w06389			A968	320					OK	
1-3	ic244-50	8w06390			A968	400					OK	
1-4	ib	8w06391			A2044	100					-	
1-4	ib	8w06392			A2044	100					-	
1-5	icv244-10	8w06393			A980	80					RR	
1-5	icv244-10	8w06394			A980	80					RR	
2-3	ib	8w06395			A2044	20					-	
2-4	ib	8w06396			A2044	20					-	
1-8	ic244-0.5	8w06397			A2043	40					RR	Ethanol contamination in canister
1-2	ic244-0.5	8w06398			A2045	40					RR	Active sites in canister.
1-7	ic244-0.5	8w06399			A2045	40					RR	Active sites in canister.
1-2	ic244-0.5	8w06400			A2037	40					OK	
1-4	ib	8w06401			A2044	20					-	
1-5	icv244-10	8w06402			A980	80					OK	

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1737	AS10298	5/31/2025	100
TO-15 STD	A1261	AS10355	8/14/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V8W249
Date: 7/30/2024
Laboratory Analyst: Benjamin Kim
Columns: DB-1 30mx0.25mmx0.5um
GCMS Method: 8WTO15.M
Sequence File: 8w20240730.s
Initial Calibration Method: M8W0239.M
Concentrator Method: 8WTO15B.7200A.CTD
Data Validator: Lucky Carandang
Thomas Hilbig

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	8w06488			OPEN	400					OK	
1-1	cc239-10	8w06489			a1261	80			√	√	OK	multiple compounds ↑
1-1	bs	8w06490			a1261	80			√	√	OK	multiple compounds ↑
1-1	bsd	8w06491			a1261	80			√	√	OK	multiple compounds ↑
1-1	ib	8w06492			a1261	80					-	
1-2	ib	8w06493			a2039	100					-	
1-2	ib	8w06494			a2039	100					-	
1-2	mb	8w06495			a2039	400					RR	
1-3	ib	8w06496			a1068	400					-	
1-4	mb	8w06497			a836	400			√	√	OK	
1-5	scc,cp12835	8w06498			a654	400			√	√	OK	
1-6	scc,cp12838	8w06499			a216	400			√	√	OK	
1-7	scc,cp12839	8w06500			a2148	400			√	√	OK	
1-3	scc,cp12835	8w06501			a1068	400			√	√	NG	TCE hit = 0.05ppbv
1-8	jd91786-1	8w06502	MS82909	STD	a1321	400	1		√	√	OK	
1-8	jd91786-1dup	8w06503	MS82909	STD	a1321	400	1		√	√	OK	
1-9	jd91788-2	8w06504	MS82987	STD, Nap	a1620	400	1		√	√	OK	
1-10	jd92035-1	8w06505	MS83050	STD, Nap	a357	608	1.52		√	√	OK	
1-11	jd92035-2	8w06506	MS83050	STD, Nap	a2002	640	1.6		√	√	OK	
1-12	jd92035-3	8w06507	MS83050	STD, Nap	a474	400	1		√	√	OK	
1-13	jd92037-1	8w06508	MS83050	STD, Nap	a013	400	1		√	√	OK	
1-14	jd92037-2	8w06509	MS83050	STD, Nap	a1739	400	1		√	√	OK	
1-15	jd91748-1	8w06510	MS82887	MCP	a1615	400	1		√	√	OK	
1-16	jd91748-2	8w06511	MS82887	MCP	a1365	400	1		√	√	OK	
2-1	jd92037-3	8w06512	MS83143	STD, Nap	a1636	400	1		√	√	OK	
2-2	jd91971-1	8w06513	MS83013	SL1	a1827	400	1		√	√	OK	
2-3	jd91971-2	8w06514	MS83013	SL1	a1835	400	1		√	√	RR/FD	f/d
2-4	jd91971-3	8w06515	MS83013	SL1	a2129	400	1		√	√	RR/FD	f/d
2-5	jd91768-7	8w06516	MS82887	STD, propbenz, cumene	a2224	100	1		√	√	RR	c/o?
2-6	jd91768-11	8w06517	MS82887	STD, propbenz, cumene	a1954	100	1		√	√	RR	c/o?
2-7	jd91768-12	8w06518	MS82887	STD, propbenz, cumene	a1910	100	1		√	√	OK	
1-2	ib	8w06519			a2039	20						
2-8	jd91960-1	8w06520	MS83013	NYLL	a1178	500	1		√	√	OK	
2-9	jd92364-1	8w06521	MS83268	PAUGTMB	tbag	100	1		√	√	OK	
2-10	jd92364-2	8w06522	MS83268	PAUGTMB	tbag	100	1		√	√	OK	
2-11	jd91767-5	8w06523	MS82887	SL1	a2268	10	1		√	√	OK	
1-2	ib	8w06524			a2039	20						
1-2	ib	8w06525			a2039	20						
1-4	scc,cp12835	8w06526			a836	400			√	√	RR	outside bfb time

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1737	AS10298	5/31/2025	100
TO-15 STD	A1261	AS10355	8/14/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V8W250
Date: 7/31/2024
Laboratory Analyst: Thomas Hilbig
Columns: DB-1 30mx0.25mmx0.5um
GCMS Method: 8WTO15.M
Sequence File: 8w20240731.s
Initial Calibration Method: M8W0244.M
Concentrator Method: 8WTO15B.7200A.CTD
Data Validator: Lucky Carandang
Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	8w06527			a2039	20					OK	t: 11:54pmn
1-1	cc239-10	8w06528			a1261	80			√	√	OK	
1-1	bs	8w06529			a1261	80			√	√	OK	
1-1	bsd	8w06530			a1261	80			√	√	OK	
1-2	ib	8w06531			a2039	100					-	
1-2	mb	8w06532			a2039	400			√	√	OK	
1-2	mb	8w06533			a2039	400			√	√	OK	
1-3	scc,cp12843	8w06534			a2440	100			√	√	OK	
1-4	scc,cp12843	8w06535			a2251	100			√	√	OK	
1-5	jd91882-1	8w06536	MS82947	STD	a745	400	1		√	√	OK	
1-6	jd91882-2	8w06537	MS82947	STD	a1196	400	1		√	√	OK	
1-6	jd91882-2dup	8w06538	MS82947	STD	a1196	400	1		√	√	OK	
1-7	jd91882-3	8w06539	MS82947	STD	a358	400	1		√	√	OK	
1-8	jd91882-4	8w06540	MS82947	STD	a1166	400	1		√	√	OK	
1-9	jd91882-5	8w06541	MS82947	STD	a2085	400	1		√	√	RR/FD	f/d
1-10	jd91882-6	8w06542	MS82947	STD	a1799	400	1		√	√	RR/FD	f/d
1-11	jd91882-7	8w06543	MS82947	STD	a1301	400	1		√	√	RR/FD	f/d
1-12	jd91882-8	8w06544	MS82947	STD	a857	400	1		√	√	OK	
1-13	jd91973-4	8w06545	MS83013	STD	a2144	400	1		√	√	OK	
1-14	jd91973-5	8w06546	MS83013	STD	a467	400	1		√	√	OK	
1-15	jd91973-6	8w06547	MS83013	STD	a271	400	1		√	√	OK	
1-16	jd92034-1	8w06548	MS83050	STD	a2012	400	1		√	√	OK	
2-1	jd92034-2	8w06549	MS83050	STD	a2074	400	1		√	√	OK	
2-2	jd92034-3	8w06550	MS83050	STD	a1853	400	1		√	√	OK	
2-3	jd91768-7	8w06551	MS82287	STD, propbenz, cumene	a2224	100	1		√	√	OK	
2-4	jd91768-11	8w06552	MS82287	STD, propbenz, cumene	a1954	100	1		√	√	OK	
2-5	jd92297-1	8w06553	MS83214	STD	a1500	100	1		√	√	OK	
2-6	jd91960-2	8w06554	MS83034	NYSVLL	a2050	100	1		√	√	OK	
1-2	ib	8w06555			a2039	20						
2-7	jd91971-2	8w06556	MS83013	SL1	a2129	20	1		√	√	OK	
2-8	jd91971-3	8w06557	MS83013	SL1	a1835	20	1		√	√	OK	
1-2	ib	8w06558			a2039	20						
2-9	scc,cp12835	8w06559			a836	400			√	√	OK	9:27am

The results set forth herein are provided by SGS North America Inc.

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Automated Report



Technical Report for

Paulus, Sokolowski and Sartor Inc

Edge on Hudson, Sleepy Hollow, NY

SGS Job Number: JE3522

Sampling Date: 12/31/24

Report to:

Paulus Sokolowski and Sartor Inc
3 Mountainview Road
Warren, NJ 07059
jboyer@psands.com; randes@psands.com

ATTN: James Boyer

Total number of pages in report: **1051**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Marie Meidhof 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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SGS North America Inc.

Sample Summary

Paulus, Sokolowski and Sartor Inc

Job No: JE3522

Edge on Hudson, Sleepy Hollow, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JE3522-1	12/31/24	12:30	RA	12/31/24	AIR	Indoor Air Comp.	123124VP01 INDOOR
JE3522-2	12/31/24	12:30	RA	12/31/24	AIR	Soil Vapor Comp.	123124VP01 SUBSLAB
JE3522-3	12/31/24	12:30	RA	12/31/24	AIR	Indoor Air Comp.	123124VP02 INDOOR
JE3522-4	12/31/24	12:30	RA	12/31/24	AIR	Soil Vapor Comp.	123124VP02 SUBSLAB
JE3522-5	12/31/24	12:30	RA	12/31/24	AIR	Indoor Air Comp.	123124VP03 INDOOR
JE3522-6	12/31/24	12:30	RA	12/31/24	AIR	Soil Vapor Comp.	123124VP03 SUBSLAB
JE3522-7	12/31/24	12:30	RA	12/31/24	AIR	Indoor Air Comp.	123124VP04 INDOOR
JE3522-8	12/31/24	12:30	RA	12/31/24	AIR	Soil Vapor Comp.	123124VP04 SUBSLAB
JE3522-9	12/31/24	12:30	RA	12/31/24	AIR	Indoor Air Comp.	123124VP05 INDOOR
JE3522-10	12/31/24	12:30	RA	12/31/24	AIR	Soil Vapor Comp.	123124VP05 SUBSLAB
JE3522-11	12/31/24	12:30	RA	12/31/24	AIR	Indoor Air Comp.	123124VP06 INDOOR
JE3522-12	12/31/24	12:30	RA	12/31/24	AIR	Soil Vapor Comp.	123124VP06 SUBSLAB

Sample Summary
(continued)

Paulus, Sokolowski and Sartor Inc

Job No: JE3522

Edge on Hudson, Sleepy Hollow, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE3522-13	12/31/24	12:30	RA	12/31/24	AIR	Indoor Air Comp.	123124VP07 INDOOR
JE3522-14	12/31/24	12:30	RA	12/31/24	AIR	Soil Vapor Comp.	123124VP07 SUBSLAB
JE3522-15	12/31/24	12:30	RA	12/31/24	AIR	Ambient Air Comp.	123124 OUTDOOR

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Paulus, Sokolowski and Sartor Inc	**Job No:**	JE3522
Site:	Edge on Hudson, Sleepy Hollow, NY	**Report Date**	1/10/2025 4:31:55 PM

On 12/31/2024, 15 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. An SGS Job Number of JE3522 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V7W415

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE3433-3DUP were used as the QC samples indicated.
- The duplicate RPD(s) for Vinyl Acetate, Xylenes (total), o-Xylene are outside control limits for sample JE3433-3DUP. RPD acceptable due to low DUP and sample concentrations.

Matrix: AIR **Batch ID:** V7W416

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE3196-3DUP were used as the QC samples indicated.

GC Volatiles By Method EPA TO-3

Matrix: AIR **Batch ID:** GQT3106

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE3098-1DUP were used as the QC samples indicated.

Matrix: AIR **Batch ID:** GQT3108

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE3522-1DUP were used as the QC samples indicated.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE3522-1	**123124VP01 INDOOR**					
Acetone (2-Propanone)		32.4	0.16	0.12	ppbv	TO-15
Benzene		0.55	0.16	0.038	ppbv	TO-15
Chloromethane		0.49	0.16	0.072	ppbv	TO-15
Cyclohexane		0.23	0.16	0.036	ppbv	TO-15
1,4-Dioxane		0.098 J	0.16	0.038	ppbv	TO-15
Dichlorodifluoromethane		0.34	0.16	0.083	ppbv	TO-15
trans-1,2-Dichloroethylene		9.7	0.16	0.022	ppbv	TO-15
Ethanol		34.6	0.40	0.32	ppbv	TO-15
Ethylbenzene		0.54	0.16	0.049	ppbv	TO-15
Ethyl Acetate		1.3	0.16	0.083	ppbv	TO-15
4-Ethyltoluene		0.51	0.16	0.076	ppbv	TO-15
Heptane		0.29	0.16	0.073	ppbv	TO-15
Hexane		0.90	0.16	0.042	ppbv	TO-15
Isopropyl Alcohol		1.0	0.16	0.11	ppbv	TO-15
Methylene chloride		0.47	0.16	0.11	ppbv	TO-15
Methyl ethyl ketone		14.4	0.16	0.088	ppbv	TO-15
Styrene		0.23	0.16	0.042	ppbv	TO-15
1,2,4-Trimethylbenzene		2.3	0.16	0.070	ppbv	TO-15
1,3,5-Trimethylbenzene		0.62	0.16	0.064	ppbv	TO-15
2,2,4-Trimethylpentane		0.099 J	0.16	0.032	ppbv	TO-15
Tetrahydrofuran		35.3	0.16	0.072	ppbv	TO-15
Toluene		3.1	0.16	0.046	ppbv	TO-15
Trichloroethylene		0.47	0.032	0.015	ppbv	TO-15
Trichlorofluoromethane		0.19	0.080	0.12	ppbv	TO-15
m,p-Xylene		1.9	0.16	0.11	ppbv	TO-15
o-Xylene		0.93	0.16	0.062	ppbv	TO-15
Xylenes (total)		2.8	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)		77.0	0.38	0.29	ug/m3	TO-15
Benzene		1.8	0.51	0.12	ug/m3	TO-15
Chloromethane		1.0	0.33	0.15	ug/m3	TO-15
Cyclohexane		0.79	0.55	0.12	ug/m3	TO-15
1,4-Dioxane		0.35 J	0.58	0.14	ug/m3	TO-15
Dichlorodifluoromethane		1.7	0.79	0.41	ug/m3	TO-15
trans-1,2-Dichloroethylene		38	0.63	0.087	ug/m3	TO-15
Ethanol		65.2	0.75	0.60	ug/m3	TO-15
Ethylbenzene		2.3	0.69	0.21	ug/m3	TO-15
Ethyl Acetate		4.7	0.58	0.30	ug/m3	TO-15
4-Ethyltoluene		2.5	0.79	0.37	ug/m3	TO-15
Heptane		1.2	0.66	0.30	ug/m3	TO-15
Hexane		3.2	0.56	0.15	ug/m3	TO-15
Isopropyl Alcohol		2.5	0.39	0.27	ug/m3	TO-15
Methylene chloride		1.6	0.56	0.38	ug/m3	TO-15
Methyl ethyl ketone		42.5	0.47	0.26	ug/m3	TO-15

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Styrene		0.98	0.68	0.18	ug/m3	TO-15
1,2,4-Trimethylbenzene		11	0.79	0.34	ug/m3	TO-15
1,3,5-Trimethylbenzene		3.0	0.79	0.31	ug/m3	TO-15
2,2,4-Trimethylpentane		0.46 J	0.75	0.15	ug/m3	TO-15
Tetrahydrofuran		104	0.47	0.21	ug/m3	TO-15
Toluene		12	0.60	0.17	ug/m3	TO-15
Trichloroethylene		2.5	0.17	0.081	ug/m3	TO-15
Trichlorofluoromethane		1.1	0.45	0.67	ug/m3	TO-15
m,p-Xylene		8.3	0.69	0.48	ug/m3	TO-15
o-Xylene		4.0	0.69	0.27	ug/m3	TO-15
Xylenes (total)		12	0.69	0.27	ug/m3	TO-15
JE3522-2	**123124VP01 SUBSLAB**					
Acetone (2-Propanone)		44.8	0.40	0.29	ppbv	TO-15
Benzene		1.8	0.40	0.094	ppbv	TO-15
Carbon disulfide		0.29 J	0.40	0.090	ppbv	TO-15
Chloroform		0.84	0.40	0.074	ppbv	TO-15
Chloromethane		0.24 J	0.40	0.18	ppbv	TO-15
Cyclohexane		8.6	0.40	0.090	ppbv	TO-15
Dichlorodifluoromethane		0.50	0.40	0.21	ppbv	TO-15
trans-1,2-Dichloroethylene		7.9	0.40	0.056	ppbv	TO-15
Ethanol		8.7	1.0	0.79	ppbv	TO-15
Ethylbenzene		5.2	0.40	0.12	ppbv	TO-15
Ethyl Acetate		4.5	0.40	0.21	ppbv	TO-15
4-Ethyltoluene		2.2	0.40	0.19	ppbv	TO-15
Heptane		14.1	0.40	0.18	ppbv	TO-15
Hexane		7.0	0.40	0.10	ppbv	TO-15
Isopropyl Alcohol		1.1	0.40	0.28	ppbv	TO-15
Methylene chloride		1.8	0.40	0.27	ppbv	TO-15
Methyl ethyl ketone		5.2	0.40	0.22	ppbv	TO-15
Methyl Isobutyl Ketone		0.88	0.40	0.15	ppbv	TO-15
Styrene		0.33 J	0.40	0.11	ppbv	TO-15
1,2,4-Trimethylbenzene		5.5	0.40	0.17	ppbv	TO-15
1,3,5-Trimethylbenzene		3.8	0.40	0.16	ppbv	TO-15
2,2,4-Trimethylpentane		2.8	0.40	0.080	ppbv	TO-15
Tertiary Butyl Alcohol		0.71	0.40	0.19	ppbv	TO-15
Tetrachloroethylene		3.6	0.080	0.028	ppbv	TO-15
Tetrahydrofuran		9.4	0.40	0.18	ppbv	TO-15
Toluene		9.4	0.40	0.11	ppbv	TO-15
Trichloroethylene		0.52	0.080	0.038	ppbv	TO-15
m,p-Xylene		10.6	0.40	0.28	ppbv	TO-15
o-Xylene		7.5	0.40	0.15	ppbv	TO-15
Xylenes (total)		18.1	0.40	0.15	ppbv	TO-15
Acetone (2-Propanone)		106	0.95	0.69	ug/m3	TO-15

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzene		5.8	1.3	0.30	ug/m3	TO-15
Carbon disulfide		0.90 J	1.2	0.28	ug/m3	TO-15
Chloroform		4.1	2.0	0.36	ug/m3	TO-15
Chloromethane		0.50 J	0.83	0.37	ug/m3	TO-15
Cyclohexane		30	1.4	0.31	ug/m3	TO-15
Dichlorodifluoromethane		2.5	2.0	1.0	ug/m3	TO-15
trans-1,2-Dichloroethylene		31	1.6	0.22	ug/m3	TO-15
Ethanol		16	1.9	1.5	ug/m3	TO-15
Ethylbenzene		23	1.7	0.52	ug/m3	TO-15
Ethyl Acetate		16	1.4	0.76	ug/m3	TO-15
4-Ethyltoluene		11	2.0	0.93	ug/m3	TO-15
Heptane		57.8	1.6	0.74	ug/m3	TO-15
Hexane		25	1.4	0.35	ug/m3	TO-15
Isopropyl Alcohol		2.7	0.98	0.69	ug/m3	TO-15
Methylene chloride		6.3	1.4	0.94	ug/m3	TO-15
Methyl ethyl ketone		15	1.2	0.65	ug/m3	TO-15
Methyl Isobutyl Ketone		3.6	1.6	0.61	ug/m3	TO-15
Styrene		1.4 J	1.7	0.47	ug/m3	TO-15
1,2,4-Trimethylbenzene		27	2.0	0.84	ug/m3	TO-15
1,3,5-Trimethylbenzene		19	2.0	0.79	ug/m3	TO-15
2,2,4-Trimethylpentane		13	1.9	0.37	ug/m3	TO-15
Tertiary Butyl Alcohol		2.2	1.2	0.58	ug/m3	TO-15
Tetrachloroethylene		24	0.54	0.19	ug/m3	TO-15
Tetrahydrofuran		28	1.2	0.53	ug/m3	TO-15
Toluene		35	1.5	0.41	ug/m3	TO-15
Trichloroethylene		2.8	0.43	0.20	ug/m3	TO-15
m,p-Xylene		46.0	1.7	1.2	ug/m3	TO-15
o-Xylene		33	1.7	0.65	ug/m3	TO-15
Xylenes (total)		79.0	1.7	0.65	ug/m3	TO-15
Methane		17.3	7.2	2.8	ppmv	EPA TO-3
Methane		11.3	4.7	1.8	mg/m3	EPA TO-3
JE3522-3	**123124VP02 INDOOR**					
Acetone (2-Propanone)		44.2	0.80	0.58	ppbv	TO-15
1,3-Butadiene		0.23	0.16	0.067	ppbv	TO-15
Benzene		1.4	0.16	0.038	ppbv	TO-15
Chloromethane		0.46	0.16	0.072	ppbv	TO-15
Cyclohexane		0.20	0.16	0.036	ppbv	TO-15
Dichlorodifluoromethane		0.37	0.16	0.083	ppbv	TO-15
trans-1,2-Dichloroethylene		8.7	0.16	0.022	ppbv	TO-15
Ethanol		70.8	2.0	1.6	ppbv	TO-15
Ethylbenzene		0.44	0.16	0.049	ppbv	TO-15
Ethyl Acetate		161	0.80	0.42	ppbv	TO-15
4-Ethyltoluene		0.41	0.16	0.076	ppbv	TO-15

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Heptane	0.28	0.16	0.073	ppbv	TO-15
Hexane	7.0	0.16	0.042	ppbv	TO-15
Isopropyl Alcohol	1.9	0.16	0.11	ppbv	TO-15
Methylene chloride	5.7	0.16	0.11	ppbv	TO-15
Methyl ethyl ketone	10.7	0.16	0.088	ppbv	TO-15
Styrene	0.42	0.16	0.042	ppbv	TO-15
1,2,4-Trimethylbenzene	1.6	0.16	0.070	ppbv	TO-15
1,3,5-Trimethylbenzene	0.40	0.16	0.064	ppbv	TO-15
2,2,4-Trimethylpentane	0.19	0.16	0.032	ppbv	TO-15
Tetrahydrofuran	18.6	0.16	0.072	ppbv	TO-15
Toluene	5.3	0.16	0.046	ppbv	TO-15
Trichloroethylene	0.46	0.032	0.015	ppbv	TO-15
Trichlorofluoromethane	0.21	0.080	0.12	ppbv	TO-15
Vinyl Acetate	2.3	0.16	0.090	ppbv	TO-15
m,p-Xylene	1.3	0.16	0.11	ppbv	TO-15
o-Xylene	0.67	0.16	0.062	ppbv	TO-15
Xylenes (total)	2.0	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)	105	1.9	1.4	ug/m3	TO-15
1,3-Butadiene	0.51	0.35	0.15	ug/m3	TO-15
Benzene	4.5	0.51	0.12	ug/m3	TO-15
Chloromethane	0.95	0.33	0.15	ug/m3	TO-15
Cyclohexane	0.69	0.55	0.12	ug/m3	TO-15
Dichlorodifluoromethane	1.8	0.79	0.41	ug/m3	TO-15
trans-1,2-Dichloroethylene	34	0.63	0.087	ug/m3	TO-15
Ethanol	133	3.8	3.0	ug/m3	TO-15
Ethylbenzene	1.9	0.69	0.21	ug/m3	TO-15
Ethyl Acetate	579	2.9	1.5	ug/m3	TO-15
4-Ethyltoluene	2.0	0.79	0.37	ug/m3	TO-15
Heptane	1.1	0.66	0.30	ug/m3	TO-15
Hexane	25	0.56	0.15	ug/m3	TO-15
Isopropyl Alcohol	4.7	0.39	0.27	ug/m3	TO-15
Methylene chloride	20	0.56	0.38	ug/m3	TO-15
Methyl ethyl ketone	31.6	0.47	0.26	ug/m3	TO-15
Styrene	1.8	0.68	0.18	ug/m3	TO-15
1,2,4-Trimethylbenzene	7.9	0.79	0.34	ug/m3	TO-15
1,3,5-Trimethylbenzene	2.0	0.79	0.31	ug/m3	TO-15
2,2,4-Trimethylpentane	0.89	0.75	0.15	ug/m3	TO-15
Tetrahydrofuran	54.9	0.47	0.21	ug/m3	TO-15
Toluene	20	0.60	0.17	ug/m3	TO-15
Trichloroethylene	2.5	0.17	0.081	ug/m3	TO-15
Trichlorofluoromethane	1.2	0.45	0.67	ug/m3	TO-15
Vinyl Acetate	8.1	0.56	0.32	ug/m3	TO-15
m,p-Xylene	5.6	0.69	0.48	ug/m3	TO-15
o-Xylene	2.9	0.69	0.27	ug/m3	TO-15
Xylenes (total)	8.5	0.69	0.27	ug/m3	TO-15

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE3522-4	**123124VP02 SUBSLAB**					
Acetone (2-Propanone)		75.1	2.0	1.5	ppbv	TO-15
1,3-Butadiene		307	2.0	0.84	ppbv	TO-15
Benzene		19.4	2.0	0.47	ppbv	TO-15
Cyclohexane		71.8	2.0	0.45	ppbv	TO-15
trans-1,2-Dichloroethylene		7.9	2.0	0.28	ppbv	TO-15
Ethanol		14.2	5.0	3.9	ppbv	TO-15
Ethylbenzene		53.3	2.0	0.61	ppbv	TO-15
Ethyl Acetate		10	2.0	1.0	ppbv	TO-15
4-Ethyltoluene		27.7	2.0	0.95	ppbv	TO-15
Heptane		180	2.0	0.91	ppbv	TO-15
Hexane		87.5	2.0	0.52	ppbv	TO-15
Isopropyl Alcohol		2.7	2.0	1.4	ppbv	TO-15
Methyl ethyl ketone		4.5	2.0	1.1	ppbv	TO-15
Propylene		11.2	5.0	1.4	ppbv	TO-15
Styrene		11.7	2.0	0.53	ppbv	TO-15
1,2,4-Trimethylbenzene		83.9	2.0	0.87	ppbv	TO-15
1,3,5-Trimethylbenzene		31.7	2.0	0.80	ppbv	TO-15
2,2,4-Trimethylpentane		20.3	2.0	0.40	ppbv	TO-15
Tetrachloroethylene		33.2	0.40	0.14	ppbv	TO-15
Tetrahydrofuran		5.0	2.0	0.90	ppbv	TO-15
Toluene		109	2.0	0.57	ppbv	TO-15
Trichloroethylene		1.0	0.40	0.19	ppbv	TO-15
Vinyl chloride		1.0	0.40	0.69	ppbv	TO-15
m,p-Xylene		165	2.0	1.4	ppbv	TO-15
o-Xylene		68.0	2.0	0.77	ppbv	TO-15
Xylenes (total)		233	2.0	0.77	ppbv	TO-15
Acetone (2-Propanone)		178	4.8	3.6	ug/m3	TO-15
1,3-Butadiene		679	4.4	1.9	ug/m3	TO-15
Benzene		62.0	6.4	1.5	ug/m3	TO-15
Cyclohexane		247	6.9	1.5	ug/m3	TO-15
trans-1,2-Dichloroethylene		31	7.9	1.1	ug/m3	TO-15
Ethanol		26.8	9.4	7.3	ug/m3	TO-15
Ethylbenzene		232	8.7	2.6	ug/m3	TO-15
Ethyl Acetate		36	7.2	3.6	ug/m3	TO-15
4-Ethyltoluene		136	9.8	4.7	ug/m3	TO-15
Heptane		738	8.2	3.7	ug/m3	TO-15
Hexane		308	7.0	1.8	ug/m3	TO-15
Isopropyl Alcohol		6.6	4.9	3.4	ug/m3	TO-15
Methyl ethyl ketone		13	5.9	3.2	ug/m3	TO-15
Propylene		19.2	8.6	2.4	ug/m3	TO-15
Styrene		49.8	8.5	2.3	ug/m3	TO-15
1,2,4-Trimethylbenzene		412	9.8	4.3	ug/m3	TO-15

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
1,3,5-Trimethylbenzene		156	9.8	3.9	ug/m3	TO-15
2,2,4-Trimethylpentane		94.8	9.3	1.9	ug/m3	TO-15
Tetrachloroethylene		225	2.7	0.95	ug/m3	TO-15
Tetrahydrofuran		15	5.9	2.7	ug/m3	TO-15
Toluene		411	7.5	2.1	ug/m3	TO-15
Trichloroethylene		5.4	2.1	1.0	ug/m3	TO-15
Vinyl chloride		2.6	1.0	1.8	ug/m3	TO-15
m,p-Xylene		717	8.7	6.1	ug/m3	TO-15
o-Xylene		295	8.7	3.3	ug/m3	TO-15
Xylenes (total)		1010	8.7	3.3	ug/m3	TO-15
JE3522-5	**123124VP03 INDOOR**					
Acetone (2-Propanone)		38.3	0.32	0.23	ppbv	TO-15
1,3-Butadiene		0.28	0.16	0.067	ppbv	TO-15
Benzene		0.83	0.16	0.038	ppbv	TO-15
Chloromethane		0.46	0.16	0.072	ppbv	TO-15
Cyclohexane		0.27	0.16	0.036	ppbv	TO-15
Dichlorodifluoromethane		0.37	0.16	0.083	ppbv	TO-15
trans-1,2-Dichloroethylene		8.2	0.16	0.022	ppbv	TO-15
Ethanol		33.7	0.40	0.32	ppbv	TO-15
Ethylbenzene		0.53	0.16	0.049	ppbv	TO-15
Ethyl Acetate		30.8	0.16	0.083	ppbv	TO-15
4-Ethyltoluene		0.58	0.16	0.076	ppbv	TO-15
Heptane		0.31	0.16	0.073	ppbv	TO-15
Hexane		2.9	0.16	0.042	ppbv	TO-15
Isopropyl Alcohol		1.3	0.16	0.11	ppbv	TO-15
Methylene chloride		1.9	0.16	0.11	ppbv	TO-15
Methyl ethyl ketone		14.1	0.16	0.088	ppbv	TO-15
Styrene		0.25	0.16	0.042	ppbv	TO-15
1,2,4-Trimethylbenzene		2.3	0.16	0.070	ppbv	TO-15
1,3,5-Trimethylbenzene		0.57	0.16	0.064	ppbv	TO-15
2,2,4-Trimethylpentane		0.12 J	0.16	0.032	ppbv	TO-15
Tetrahydrofuran		29.4	0.16	0.072	ppbv	TO-15
Toluene		4.3	0.16	0.046	ppbv	TO-15
Trichloroethylene		0.32	0.032	0.015	ppbv	TO-15
Trichlorofluoromethane		0.20	0.080	0.12	ppbv	TO-15
m,p-Xylene		1.7	0.16	0.11	ppbv	TO-15
o-Xylene		0.91	0.16	0.062	ppbv	TO-15
Xylenes (total)		2.6	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)		91.0	0.76	0.55	ug/m3	TO-15
1,3-Butadiene		0.62	0.35	0.15	ug/m3	TO-15
Benzene		2.7	0.51	0.12	ug/m3	TO-15
Chloromethane		0.95	0.33	0.15	ug/m3	TO-15
Cyclohexane		0.93	0.55	0.12	ug/m3	TO-15

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Dichlorodifluoromethane	1.8	0.79	0.41	ug/m3	TO-15
trans-1,2-Dichloroethylene	33	0.63	0.087	ug/m3	TO-15
Ethanol	63.5	0.75	0.60	ug/m3	TO-15
Ethylbenzene	2.3	0.69	0.21	ug/m3	TO-15
Ethyl Acetate	111	0.58	0.30	ug/m3	TO-15
4-Ethyltoluene	2.9	0.79	0.37	ug/m3	TO-15
Heptane	1.3	0.66	0.30	ug/m3	TO-15
Hexane	10	0.56	0.15	ug/m3	TO-15
Isopropyl Alcohol	3.2	0.39	0.27	ug/m3	TO-15
Methylene chloride	6.6	0.56	0.38	ug/m3	TO-15
Methyl ethyl ketone	41.6	0.47	0.26	ug/m3	TO-15
Styrene	1.1	0.68	0.18	ug/m3	TO-15
1,2,4-Trimethylbenzene	11	0.79	0.34	ug/m3	TO-15
1,3,5-Trimethylbenzene	2.8	0.79	0.31	ug/m3	TO-15
2,2,4-Trimethylpentane	0.56 J	0.75	0.15	ug/m3	TO-15
Tetrahydrofuran	86.7	0.47	0.21	ug/m3	TO-15
Toluene	16	0.60	0.17	ug/m3	TO-15
Trichloroethylene	1.7	0.17	0.081	ug/m3	TO-15
Trichlorofluoromethane	1.1	0.45	0.67	ug/m3	TO-15
m,p-Xylene	7.4	0.69	0.48	ug/m3	TO-15
o-Xylene	4.0	0.69	0.27	ug/m3	TO-15
Xylenes (total)	11	0.69	0.27	ug/m3	TO-15
JE3522-6 123124VP03 SUBSLAB					
Acetone (2-Propanone)	684	4.0	2.9	ppbv	TO-15
Benzene	34.2	4.0	0.94	ppbv	TO-15
Carbon disulfide	7.9	4.0	0.90	ppbv	TO-15
Cyclohexane	75.9	4.0	0.90	ppbv	TO-15
trans-1,2-Dichloroethylene	4.2	4.0	0.56	ppbv	TO-15
Ethanol	231	10	7.9	ppbv	TO-15
Ethylbenzene	37.1	4.0	1.2	ppbv	TO-15
Ethyl Acetate	11.8	4.0	2.1	ppbv	TO-15
4-Ethyltoluene	5.8	4.0	1.9	ppbv	TO-15
Heptane	186	4.0	1.8	ppbv	TO-15
Hexane	71.3	4.0	1.0	ppbv	TO-15
Isopropyl Alcohol	13.2	4.0	2.8	ppbv	TO-15
Methyl ethyl ketone	124	4.0	2.2	ppbv	TO-15
Methylmethacrylate	49.7	4.0	1.4	ppbv	TO-15
Propylene	19.7	10	2.8	ppbv	TO-15
1,2,4-Trimethylbenzene	17.6	4.0	1.7	ppbv	TO-15
1,3,5-Trimethylbenzene	6.4	4.0	1.6	ppbv	TO-15
2,2,4-Trimethylpentane	29.2	4.0	0.80	ppbv	TO-15
Tertiary Butyl Alcohol	21.7	4.0	1.9	ppbv	TO-15
Tetrachloroethylene	14.3	0.80	0.28	ppbv	TO-15

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Tetrahydrofuran		149	4.0	1.8	ppbv	TO-15
Toluene		195	4.0	1.1	ppbv	TO-15
Trichloroethylene		3.0	0.80	0.38	ppbv	TO-15
m,p-Xylene		102	4.0	2.8	ppbv	TO-15
o-Xylene		38.9	4.0	1.5	ppbv	TO-15
Xylenes (total)		141	4.0	1.5	ppbv	TO-15
Acetone (2-Propanone)		1620	9.5	6.9	ug/m3	TO-15
Benzene		109	13	3.0	ug/m3	TO-15
Carbon disulfide		25	12	2.8	ug/m3	TO-15
Cyclohexane		261	14	3.1	ug/m3	TO-15
trans-1,2-Dichloroethylene		17	16	2.2	ug/m3	TO-15
Ethanol		435	19	15	ug/m3	TO-15
Ethylbenzene		161	17	5.2	ug/m3	TO-15
Ethyl Acetate		42.5	14	7.6	ug/m3	TO-15
4-Ethyltoluene		29	20	9.3	ug/m3	TO-15
Heptane		762	16	7.4	ug/m3	TO-15
Hexane		251	14	3.5	ug/m3	TO-15
Isopropyl Alcohol		32.4	9.8	6.9	ug/m3	TO-15
Methyl ethyl ketone		366	12	6.5	ug/m3	TO-15
Methylmethacrylate		204	16	5.7	ug/m3	TO-15
Propylene		33.8	17	4.8	ug/m3	TO-15
1,2,4-Trimethylbenzene		86.5	20	8.4	ug/m3	TO-15
1,3,5-Trimethylbenzene		31	20	7.9	ug/m3	TO-15
2,2,4-Trimethylpentane		136	19	3.7	ug/m3	TO-15
Tertiary Butyl Alcohol		65.8	12	5.8	ug/m3	TO-15
Tetrachloroethylene		97.0	5.4	1.9	ug/m3	TO-15
Tetrahydrofuran		439	12	5.3	ug/m3	TO-15
Toluene		735	15	4.1	ug/m3	TO-15
Trichloroethylene		16	4.3	2.0	ug/m3	TO-15
m,p-Xylene		443	17	12	ug/m3	TO-15
o-Xylene		169	17	6.5	ug/m3	TO-15
Xylenes (total)		612	17	6.5	ug/m3	TO-15
Methane		47.4	6.2	2.4	ppmv	EPA TO-3
Methane		31.0	4.1	1.6	mg/m3	EPA TO-3
JE3522-7	**123124VP04 INDOOR**					
Acetone (2-Propanone)		23.1	0.16	0.12	ppbv	TO-15
1,3-Butadiene		0.14 J	0.16	0.067	ppbv	TO-15
Benzene		0.34	0.16	0.038	ppbv	TO-15
Chloromethane		0.40	0.16	0.072	ppbv	TO-15
Cyclohexane		0.13 J	0.16	0.036	ppbv	TO-15
Dichlorodifluoromethane		0.35	0.16	0.083	ppbv	TO-15
trans-1,2-Dichloroethylene		10.3	0.16	0.022	ppbv	TO-15
Ethanol		12.0	0.40	0.32	ppbv	TO-15

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Ethylbenzene	0.48	0.16	0.049	ppbv	TO-15
Ethyl Acetate	0.56	0.16	0.083	ppbv	TO-15
4-Ethyltoluene	0.30	0.16	0.076	ppbv	TO-15
Heptane	0.27	0.16	0.073	ppbv	TO-15
Hexane	10.0	0.16	0.042	ppbv	TO-15
Isopropyl Alcohol	0.64	0.16	0.11	ppbv	TO-15
Methylene chloride	5.8	0.16	0.11	ppbv	TO-15
Methyl ethyl ketone	12.9	0.16	0.088	ppbv	TO-15
Styrene	0.13 J	0.16	0.042	ppbv	TO-15
1,2,4-Trimethylbenzene	1.4	0.16	0.070	ppbv	TO-15
1,3,5-Trimethylbenzene	0.38	0.16	0.064	ppbv	TO-15
2,2,4-Trimethylpentane	0.44	0.16	0.032	ppbv	TO-15
Tetrahydrofuran	31.9	0.16	0.072	ppbv	TO-15
Toluene	1.6	0.16	0.046	ppbv	TO-15
Trichloroethylene	0.14	0.032	0.015	ppbv	TO-15
Trichlorofluoromethane	0.25	0.080	0.12	ppbv	TO-15
m,p-Xylene	1.6	0.16	0.11	ppbv	TO-15
o-Xylene	0.55	0.16	0.062	ppbv	TO-15
Xylenes (total)	2.2	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)	54.9	0.38	0.29	ug/m3	TO-15
1,3-Butadiene	0.31 J	0.35	0.15	ug/m3	TO-15
Benzene	1.1	0.51	0.12	ug/m3	TO-15
Chloromethane	0.83	0.33	0.15	ug/m3	TO-15
Cyclohexane	0.45 J	0.55	0.12	ug/m3	TO-15
Dichlorodifluoromethane	1.7	0.79	0.41	ug/m3	TO-15
trans-1,2-Dichloroethylene	40.8	0.63	0.087	ug/m3	TO-15
Ethanol	22.6	0.75	0.60	ug/m3	TO-15
Ethylbenzene	2.1	0.69	0.21	ug/m3	TO-15
Ethyl Acetate	2.0	0.58	0.30	ug/m3	TO-15
4-Ethyltoluene	1.5	0.79	0.37	ug/m3	TO-15
Heptane	1.1	0.66	0.30	ug/m3	TO-15
Hexane	35.2	0.56	0.15	ug/m3	TO-15
Isopropyl Alcohol	1.6	0.39	0.27	ug/m3	TO-15
Methylene chloride	20	0.56	0.38	ug/m3	TO-15
Methyl ethyl ketone	38.0	0.47	0.26	ug/m3	TO-15
Styrene	0.55 J	0.68	0.18	ug/m3	TO-15
1,2,4-Trimethylbenzene	6.9	0.79	0.34	ug/m3	TO-15
1,3,5-Trimethylbenzene	1.9	0.79	0.31	ug/m3	TO-15
2,2,4-Trimethylpentane	2.1	0.75	0.15	ug/m3	TO-15
Tetrahydrofuran	94.1	0.47	0.21	ug/m3	TO-15
Toluene	6.0	0.60	0.17	ug/m3	TO-15
Trichloroethylene	0.75	0.17	0.081	ug/m3	TO-15
Trichlorofluoromethane	1.4	0.45	0.67	ug/m3	TO-15
m,p-Xylene	6.9	0.69	0.48	ug/m3	TO-15
o-Xylene	2.4	0.69	0.27	ug/m3	TO-15

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Xylenes (total)		9.3	0.69	0.27	ug/m3	TO-15
JE3522-8	**123124VP04 SUBSLAB**					
Acetone (2-Propanone)		24.9	0.40	0.29	ppbv	TO-15
1,3-Butadiene		21.7	0.40	0.17	ppbv	TO-15
Benzene		1.1	0.40	0.094	ppbv	TO-15
Chloroform		0.56	0.40	0.074	ppbv	TO-15
Chloromethane		0.30 J	0.40	0.18	ppbv	TO-15
Cyclohexane		0.30 J	0.40	0.090	ppbv	TO-15
1,4-Dioxane		0.50	0.40	0.096	ppbv	TO-15
Dichlorodifluoromethane		0.66	0.40	0.21	ppbv	TO-15
trans-1,2-Dichloroethylene		43.2	0.40	0.056	ppbv	TO-15
Ethanol		33.4	1.0	0.79	ppbv	TO-15
Ethylbenzene		1.9	0.40	0.12	ppbv	TO-15
Ethyl Acetate		4.0	0.40	0.21	ppbv	TO-15
4-Ethyltoluene		3.6	0.40	0.19	ppbv	TO-15
Heptane		0.46	0.40	0.18	ppbv	TO-15
Hexane		0.27 J	0.40	0.10	ppbv	TO-15
Isopropyl Alcohol		1.4	0.40	0.28	ppbv	TO-15
Methyl ethyl ketone		8.6	0.40	0.22	ppbv	TO-15
Methyl Isobutyl Ketone		0.23 J	0.40	0.15	ppbv	TO-15
Styrene		0.51	0.40	0.11	ppbv	TO-15
1,2,4-Trimethylbenzene		12.6	0.40	0.17	ppbv	TO-15
1,3,5-Trimethylbenzene		3.9	0.40	0.16	ppbv	TO-15
Tertiary Butyl Alcohol		0.95	0.40	0.19	ppbv	TO-15
Tetrachloroethylene		0.39	0.080	0.028	ppbv	TO-15
Tetrahydrofuran		13.1	0.40	0.18	ppbv	TO-15
Toluene		6.4	0.40	0.11	ppbv	TO-15
Trichloroethylene		0.41	0.080	0.038	ppbv	TO-15
Vinyl Acetate		0.45	0.40	0.22	ppbv	TO-15
m,p-Xylene		5.2	0.40	0.28	ppbv	TO-15
o-Xylene		3.6	0.40	0.15	ppbv	TO-15
Xylenes (total)		8.8	0.40	0.15	ppbv	TO-15
Acetone (2-Propanone)		59.1	0.95	0.69	ug/m3	TO-15
1,3-Butadiene		48.0	0.88	0.38	ug/m3	TO-15
Benzene		3.5	1.3	0.30	ug/m3	TO-15
Chloroform		2.7	2.0	0.36	ug/m3	TO-15
Chloromethane		0.62 J	0.83	0.37	ug/m3	TO-15
Cyclohexane		1.0 J	1.4	0.31	ug/m3	TO-15
1,4-Dioxane		1.8	1.4	0.35	ug/m3	TO-15
Dichlorodifluoromethane		3.3	2.0	1.0	ug/m3	TO-15
trans-1,2-Dichloroethylene		171	1.6	0.22	ug/m3	TO-15
Ethanol		62.9	1.9	1.5	ug/m3	TO-15
Ethylbenzene		8.3	1.7	0.52	ug/m3	TO-15

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Ethyl Acetate		14	1.4	0.76	ug/m3	TO-15
4-Ethyltoluene		18	2.0	0.93	ug/m3	TO-15
Heptane		1.9	1.6	0.74	ug/m3	TO-15
Hexane		0.95 J	1.4	0.35	ug/m3	TO-15
Isopropyl Alcohol		3.4	0.98	0.69	ug/m3	TO-15
Methyl ethyl ketone		25	1.2	0.65	ug/m3	TO-15
Methyl Isobutyl Ketone		0.94 J	1.6	0.61	ug/m3	TO-15
Styrene		2.2	1.7	0.47	ug/m3	TO-15
1,2,4-Trimethylbenzene		61.9	2.0	0.84	ug/m3	TO-15
1,3,5-Trimethylbenzene		19	2.0	0.79	ug/m3	TO-15
Tertiary Butyl Alcohol		2.9	1.2	0.58	ug/m3	TO-15
Tetrachloroethylene		2.6	0.54	0.19	ug/m3	TO-15
Tetrahydrofuran		38.6	1.2	0.53	ug/m3	TO-15
Toluene		24	1.5	0.41	ug/m3	TO-15
Trichloroethylene		2.2	0.43	0.20	ug/m3	TO-15
Vinyl Acetate		1.6	1.4	0.77	ug/m3	TO-15
m,p-Xylene		23	1.7	1.2	ug/m3	TO-15
o-Xylene		16	1.7	0.65	ug/m3	TO-15
Xylenes (total)		39	1.7	0.65	ug/m3	TO-15
JE3522-9	**123124VP05 INDOOR**					
Acetone (2-Propanone)		8.3	0.16	0.12	ppbv	TO-15
Benzene		0.22	0.16	0.038	ppbv	TO-15
Chloromethane		0.41	0.16	0.072	ppbv	TO-15
Cyclohexane		0.096 J	0.16	0.036	ppbv	TO-15
Dichlorodifluoromethane		0.37	0.16	0.083	ppbv	TO-15
trans-1,2-Dichloroethylene		1.8	0.16	0.022	ppbv	TO-15
Ethanol		3.8	0.40	0.32	ppbv	TO-15
Ethylbenzene		0.13 J	0.16	0.049	ppbv	TO-15
Ethyl Acetate		0.47	0.16	0.083	ppbv	TO-15
4-Ethyltoluene		0.18	0.16	0.076	ppbv	TO-15
Heptane		0.11 J	0.16	0.073	ppbv	TO-15
Hexane		13.6	0.16	0.042	ppbv	TO-15
Isopropyl Alcohol		0.42	0.16	0.11	ppbv	TO-15
Methylene chloride		12.5	0.16	0.11	ppbv	TO-15
Methyl ethyl ketone		2.5	0.16	0.088	ppbv	TO-15
1,2,4-Trimethylbenzene		0.83	0.16	0.070	ppbv	TO-15
1,3,5-Trimethylbenzene		0.21	0.16	0.064	ppbv	TO-15
2,2,4-Trimethylpentane		0.69	0.16	0.032	ppbv	TO-15
Tetrahydrofuran		6.0	0.16	0.072	ppbv	TO-15
Toluene		1.4	0.16	0.046	ppbv	TO-15
Trichloroethylene		0.045	0.032	0.015	ppbv	TO-15
Trichlorofluoromethane		0.30	0.080	0.12	ppbv	TO-15
m,p-Xylene		0.41	0.16	0.11	ppbv	TO-15

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
o-Xylene		0.22	0.16	0.062	ppbv	TO-15
Xylenes (total)		0.63	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)		20	0.38	0.29	ug/m3	TO-15
Benzene		0.70	0.51	0.12	ug/m3	TO-15
Chloromethane		0.85	0.33	0.15	ug/m3	TO-15
Cyclohexane		0.33 J	0.55	0.12	ug/m3	TO-15
Dichlorodifluoromethane		1.8	0.79	0.41	ug/m3	TO-15
trans-1,2-Dichloroethylene		7.1	0.63	0.087	ug/m3	TO-15
Ethanol		7.2	0.75	0.60	ug/m3	TO-15
Ethylbenzene		0.56 J	0.69	0.21	ug/m3	TO-15
Ethyl Acetate		1.7	0.58	0.30	ug/m3	TO-15
4-Ethyltoluene		0.88	0.79	0.37	ug/m3	TO-15
Heptane		0.45 J	0.66	0.30	ug/m3	TO-15
Hexane		47.9	0.56	0.15	ug/m3	TO-15
Isopropyl Alcohol		1.0	0.39	0.27	ug/m3	TO-15
Methylene chloride		43.4	0.56	0.38	ug/m3	TO-15
Methyl ethyl ketone		7.4	0.47	0.26	ug/m3	TO-15
1,2,4-Trimethylbenzene		4.1	0.79	0.34	ug/m3	TO-15
1,3,5-Trimethylbenzene		1.0	0.79	0.31	ug/m3	TO-15
2,2,4-Trimethylpentane		3.2	0.75	0.15	ug/m3	TO-15
Tetrahydrofuran		18	0.47	0.21	ug/m3	TO-15
Toluene		5.3	0.60	0.17	ug/m3	TO-15
Trichloroethylene		0.24	0.17	0.081	ug/m3	TO-15
Trichlorofluoromethane		1.7	0.45	0.67	ug/m3	TO-15
m,p-Xylene		1.8	0.69	0.48	ug/m3	TO-15
o-Xylene		0.96	0.69	0.27	ug/m3	TO-15
Xylenes (total)		2.8	0.69	0.27	ug/m3	TO-15
JE3522-10	**123124VP05 SUBSLAB**					
Acetone (2-Propanone)		43.1	1.0	0.73	ppbv	TO-15
1,3-Butadiene		471	4.0	1.7	ppbv	TO-15
Benzene		10.0	1.0	0.24	ppbv	TO-15
Carbon disulfide		1.0	1.0	0.23	ppbv	TO-15
Cyclohexane		41.3	1.0	0.23	ppbv	TO-15
Dichlorodifluoromethane		0.61 J	1.0	0.52	ppbv	TO-15
trans-1,2-Dichloroethylene		4.8	1.0	0.14	ppbv	TO-15
Ethanol		42.3	2.5	2.0	ppbv	TO-15
Ethylbenzene		4.1	1.0	0.31	ppbv	TO-15
Ethyl Acetate		5.1	1.0	0.52	ppbv	TO-15
4-Ethyltoluene		2.5	1.0	0.48	ppbv	TO-15
Heptane		41.8	1.0	0.46	ppbv	TO-15
Hexane		53.1	1.0	0.26	ppbv	TO-15
Isopropyl Alcohol		2.4	1.0	0.71	ppbv	TO-15
Methyl ethyl ketone		6.5	1.0	0.55	ppbv	TO-15

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Methylmethacrylate	4.1	1.0	0.35	ppbv	TO-15
Propylene	13.0	2.5	0.71	ppbv	TO-15
1,2,4-Trimethylbenzene	10.8	1.0	0.44	ppbv	TO-15
1,3,5-Trimethylbenzene	2.8	1.0	0.40	ppbv	TO-15
2,2,4-Trimethylpentane	8.6	1.0	0.20	ppbv	TO-15
Tertiary Butyl Alcohol	5.5	1.0	0.47	ppbv	TO-15
Tetrachloroethylene	2.6	0.20	0.070	ppbv	TO-15
Tetrahydrofuran	10.2	1.0	0.45	ppbv	TO-15
Toluene	18.0	1.0	0.29	ppbv	TO-15
Trichloroethylene	1.0	0.20	0.095	ppbv	TO-15
Vinyl chloride	0.56	0.20	0.35	ppbv	TO-15
m,p-Xylene	11.6	1.0	0.70	ppbv	TO-15
o-Xylene	6.7	1.0	0.39	ppbv	TO-15
Xylenes (total)	18.3	1.0	0.39	ppbv	TO-15
Acetone (2-Propanone)	102	2.4	1.7	ug/m3	TO-15
1,3-Butadiene	1040	8.8	3.8	ug/m3	TO-15
Benzene	31.9	3.2	0.77	ug/m3	TO-15
Carbon disulfide	3.1	3.1	0.72	ug/m3	TO-15
Cyclohexane	142	3.4	0.79	ug/m3	TO-15
Dichlorodifluoromethane	3.0 J	4.9	2.6	ug/m3	TO-15
trans-1,2-Dichloroethylene	19	4.0	0.56	ug/m3	TO-15
Ethanol	79.7	4.7	3.8	ug/m3	TO-15
Ethylbenzene	18	4.3	1.3	ug/m3	TO-15
Ethyl Acetate	18	3.6	1.9	ug/m3	TO-15
4-Ethyltoluene	12	4.9	2.4	ug/m3	TO-15
Heptane	171	4.1	1.9	ug/m3	TO-15
Hexane	187	3.5	0.92	ug/m3	TO-15
Isopropyl Alcohol	5.9	2.5	1.7	ug/m3	TO-15
Methyl ethyl ketone	19	2.9	1.6	ug/m3	TO-15
Methylmethacrylate	17	4.1	1.4	ug/m3	TO-15
Propylene	22.3	4.3	1.2	ug/m3	TO-15
1,2,4-Trimethylbenzene	53.1	4.9	2.2	ug/m3	TO-15
1,3,5-Trimethylbenzene	14	4.9	2.0	ug/m3	TO-15
2,2,4-Trimethylpentane	40	4.7	0.93	ug/m3	TO-15
Tertiary Butyl Alcohol	17	3.0	1.4	ug/m3	TO-15
Tetrachloroethylene	18	1.4	0.47	ug/m3	TO-15
Tetrahydrofuran	30.1	2.9	1.3	ug/m3	TO-15
Toluene	67.8	3.8	1.1	ug/m3	TO-15
Trichloroethylene	5.4	1.1	0.51	ug/m3	TO-15
Vinyl chloride	1.4	0.51	0.89	ug/m3	TO-15
m,p-Xylene	50.4	4.3	3.0	ug/m3	TO-15
o-Xylene	29	4.3	1.7	ug/m3	TO-15
Xylenes (total)	79.4	4.3	1.7	ug/m3	TO-15

Summary of Hits

Job Number: JE3522
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 12/31/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE3522-11	**123124VP06 INDOOR**					
No hits reported in this sample.						
JE3522-12	**123124VP06 SUBSLAB**					
Methane		7.4	6.8	2.7	ppmv	EPA TO-3
Methane		4.8	4.4	1.8	mg/m3	EPA TO-3
JE3522-13	**123124VP07 INDOOR**					
No hits reported in this sample.						
JE3522-14	**123124VP07 SUBSLAB**					
Methane		8.7	6.5	2.6	ppmv	EPA TO-3
Methane		5.7	4.3	1.7	mg/m3	EPA TO-3
JE3522-15	**123124 OUTDOOR**					
No hits reported in this sample.						

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP01 INDOOR		
Lab Sample ID:	JE3522-1	**Date Sampled:**	12/31/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A871	**Date Received:**	12/31/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W11591.D	1	01/08/25 18:06	BK	n/a	n/a	V7W415
Run #2							

	Initial Volume
Run #1	500 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	32.4	0.16	0.12	ppbv		77.0	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	0.067	ppbv		ND	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.55	0.16	0.038	ppbv		1.8	0.51	0.12	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane	0.49	0.16	0.072	ppbv		1.0	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.032	0.032	ppbv		ND	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	0.23	0.16	0.036	ppbv		0.79	0.55	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.024	ppbv		ND	0.61	0.18	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	0.098	0.16	0.038	ppbv	J	0.35	0.58	0.14	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.34	0.16	0.083	ppbv		1.7	0.79	0.41	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	9.7	0.16	0.022	ppbv		38	0.63	0.087	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.024	ppbv		ND	0.13	0.095	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.11	ppbv		ND	0.48	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.055	ppbv		ND	0.19	0.33	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.063	ppbv		ND	0.48	0.38	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 123124VP01 INDOOR
Lab Sample ID: JE3522-1
Matrix: AIR - Indoor Air Comp. Summa ID: A871
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	34.6	0.40	0.32	ppbv		65.2	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	0.54	0.16	0.049	ppbv		2.3	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	1.3	0.16	0.083	ppbv		4.7	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.51	0.16	0.076	ppbv		2.5	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	0.29	0.16	0.073	ppbv		1.2	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	0.90	0.16	0.042	ppbv		3.2	0.56	0.15	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.0	0.16	0.11	ppbv		2.5	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	0.47	0.16	0.11	ppbv		1.6	0.56	0.38	ug/m3
78-93-3	72.11	Methyl ethyl ketone	14.4	0.16	0.088	ppbv		42.5	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene	ND	0.40	0.11	ppbv		ND	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	0.23	0.16	0.042	ppbv		0.98	0.68	0.18	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.062	ppbv		ND	0.44	0.34	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	2.3	0.16	0.070	ppbv		11	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.62	0.16	0.064	ppbv		3.0	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.099	0.16	0.032	ppbv	J	0.46	0.75	0.15	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.074	ppbv		ND	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	35.3	0.16	0.072	ppbv		104	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	3.1	0.16	0.046	ppbv		12	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	0.47	0.032	0.015	ppbv		2.5	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.19	0.080	0.12	ppbv		1.1	0.45	0.67	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	1.9	0.16	0.11	ppbv		8.3	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	0.93	0.16	0.062	ppbv		4.0	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	2.8	0.16	0.062	ppbv		12	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP01 INDOOR		
Lab Sample ID:	JE3522-1	**Date Sampled:**	12/31/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A871	**Date Received:**	12/31/24
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231782.D	1.6	01/09/25 16:35	WC	n/a	n/a	GQT3108
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	8.0	3.2	ppmv		ND	5.2	2.1	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	75%		59-135%
460-00-4	4-Bromofluorobenzene	88%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 123124VP01 SUBSLAB
Lab Sample ID: JE3522-2
Matrix: AIR - Soil Vapor Comp. Summa ID: A2105
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W11610.D	1	01/09/25 08:10	BK	n/a	n/a	V7W416
Run #2							

	Initial Volume
Run #1	200 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	44.8	0.40	0.29	ppbv		106	0.95	0.69	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.40	0.17	ppbv		ND	0.88	0.38	ug/m3
71-43-2	78.11	Benzene	1.8	0.40	0.094	ppbv		5.8	1.3	0.30	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.060	ppbv		ND	1.3	0.40	ug/m3
75-25-2	252.8	Bromoform	ND	0.080	0.14	ppbv		ND	0.83	1.4	ug/m3
74-83-9	94.94	Bromomethane	ND	0.40	0.14	ppbv		ND	1.6	0.54	ug/m3
593-60-2	106.9	Bromoethene	ND	0.40	0.12	ppbv		ND	1.7	0.52	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.40	0.25	ppbv		ND	2.1	1.3	ug/m3
75-15-0	76.14	Carbon disulfide	0.29	0.40	0.090	ppbv	J	0.90	1.2	0.28	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.40	0.15	ppbv		ND	1.8	0.69	ug/m3
75-00-3	64.52	Chloroethane	ND	0.40	0.14	ppbv		ND	1.1	0.37	ug/m3
67-66-3	119.4	Chloroform	0.84	0.40	0.074	ppbv		4.1	2.0	0.36	ug/m3
74-87-3	50.49	Chloromethane	0.24	0.40	0.18	ppbv	J	0.50	0.83	0.37	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.40	0.17	ppbv		ND	1.3	0.53	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.40	0.14	ppbv		ND	2.1	0.72	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.080	0.080	ppbv		ND	0.50	0.50	ug/m3
110-82-7	84.16	Cyclohexane	8.6	0.40	0.090	ppbv		30	1.4	0.31	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.40	0.11	ppbv		ND	1.6	0.45	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.080	0.12	ppbv		ND	0.32	0.48	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.20	0.060	ppbv		ND	1.5	0.46	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.40	0.14	ppbv		ND	1.6	0.57	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.40	0.12	ppbv		ND	1.8	0.55	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.40	0.096	ppbv		ND	1.4	0.35	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.40	0.21	ppbv		2.5	2.0	1.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.10	ppbv		ND	1.7	0.85	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	7.9	0.40	0.056	ppbv		31	1.6	0.22	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.080	0.060	ppbv		ND	0.32	0.24	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.40	0.12	ppbv		ND	1.8	0.54	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.26	ppbv		ND	1.2	1.6	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.080	0.14	ppbv		ND	0.48	0.84	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.16	ppbv		ND	1.2	0.96	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.40	0.20	ppbv		ND	1.8	0.91	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 123124VP01 SUBSLAB
Lab Sample ID: JE3522-2
Matrix: AIR - Soil Vapor Comp. Summa ID: A2105
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	8.7	1.0	0.79	ppbv		16	1.9	1.5	ug/m3
100-41-4	106.2	Ethylbenzene	5.2	0.40	0.12	ppbv		23	1.7	0.52	ug/m3
141-78-6	88	Ethyl Acetate	4.5	0.40	0.21	ppbv		16	1.4	0.76	ug/m3
622-96-8	120.19	4-Ethyltoluene	2.2	0.40	0.19	ppbv		11	2.0	0.93	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.062	ppbv		ND	1.5	0.48	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.10	ppbv		ND	1.4	0.70	ug/m3
142-82-5	100.2	Heptane	14.1	0.40	0.18	ppbv		57.8	1.6	0.74	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.18	0.12	ppbv		ND	1.9	1.3	ug/m3
110-54-3	86.18	Hexane	7.0	0.40	0.10	ppbv		25	1.4	0.35	ug/m3
591-78-6	100	2-Hexanone	ND	0.40	0.29	ppbv		ND	1.6	1.2	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.1	0.40	0.28	ppbv		2.7	0.98	0.69	ug/m3
75-09-2	84.94	Methylene chloride	1.8	0.40	0.27	ppbv		6.3	1.4	0.94	ug/m3
78-93-3	72.11	Methyl ethyl ketone	5.2	0.40	0.22	ppbv		15	1.2	0.65	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.88	0.40	0.15	ppbv		3.6	1.6	0.61	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.40	0.16	ppbv		ND	1.4	0.58	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.40	0.14	ppbv		ND	1.6	0.57	ug/m3
115-07-1	42	Propylene	ND	1.0	0.28	ppbv		ND	1.7	0.48	ug/m3
100-42-5	104.1	Styrene	0.33	0.40	0.11	ppbv	J	1.4	1.7	0.47	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.16	ppbv		ND	1.1	0.87	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.20	0.096	ppbv		ND	1.4	0.66	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.076	ppbv		ND	1.1	0.41	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.24	ppbv		ND	1.5	1.8	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	5.5	0.40	0.17	ppbv		27	2.0	0.84	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	3.8	0.40	0.16	ppbv		19	2.0	0.79	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	2.8	0.40	0.080	ppbv		13	1.9	0.37	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.71	0.40	0.19	ppbv		2.2	1.2	0.58	ug/m3
127-18-4	165.8	Tetrachloroethylene	3.6	0.080	0.028	ppbv		24	0.54	0.19	ug/m3
109-99-9	72.11	Tetrahydrofuran	9.4	0.40	0.18	ppbv		28	1.2	0.53	ug/m3
108-88-3	92.14	Toluene	9.4	0.40	0.11	ppbv		35	1.5	0.41	ug/m3
79-01-6	131.4	Trichloroethylene	0.52	0.080	0.038	ppbv		2.8	0.43	0.20	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.20	0.31	ppbv		ND	1.1	1.7	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.080	0.14	ppbv		ND	0.20	0.36	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.40	0.22	ppbv		ND	1.4	0.77	ug/m3
	106.2	m,p-Xylene	10.6	0.40	0.28	ppbv		46.0	1.7	1.2	ug/m3
95-47-6	106.2	o-Xylene	7.5	0.40	0.15	ppbv		33	1.7	0.65	ug/m3
1330-20-7	106.2	Xylenes (total)	18.1	0.40	0.15	ppbv		79.0	1.7	0.65	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 123124VP01 SUBSLAB
Lab Sample ID: JE3522-2
Matrix: AIR - Soil Vapor Comp. Summa ID: A2105
Method: EPA TO-3
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231785.D	1.43	01/09/25 18:38	WC	n/a	n/a	GQT3108
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	17.3	7.2	2.8	ppmv		11.3	4.7	1.8	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		59-135%
460-00-4	4-Bromofluorobenzene	94%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 123124VP02 INDOOR
Lab Sample ID: JE3522-3
Matrix: AIR - Indoor Air Comp. Summa ID: A1334
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W11592.D	1	01/08/25 18:52	BK	n/a	n/a	V7W415
Run #2	7W11615.D	1	01/09/25 11:26	BK	n/a	n/a	V7W416

	Initial Volume
Run #1	500 ml
Run #2	100 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	44.2 [a]	0.80	0.58	ppbv		105 [a]	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	0.23	0.16	0.067	ppbv		0.51	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	1.4	0.16	0.038	ppbv		4.5	0.51	0.12	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane	0.46	0.16	0.072	ppbv		0.95	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.032	0.032	ppbv		ND	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	0.20	0.16	0.036	ppbv		0.69	0.55	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.024	ppbv		ND	0.61	0.18	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.038	ppbv		ND	0.58	0.14	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.37	0.16	0.083	ppbv		1.8	0.79	0.41	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	8.7	0.16	0.022	ppbv		34	0.63	0.087	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.024	ppbv		ND	0.13	0.095	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.11	ppbv		ND	0.48	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.055	ppbv		ND	0.19	0.33	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.063	ppbv		ND	0.48	0.38	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 123124VP02 INDOOR
Lab Sample ID: JE3522-3
Matrix: AIR - Indoor Air Comp. Summa ID: A1334
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	70.8 [a]	2.0	1.6	ppbv		133 [a]	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	0.44	0.16	0.049	ppbv		1.9	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	161 [a]	0.80	0.42	ppbv		579 [a]	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.41	0.16	0.076	ppbv		2.0	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	0.28	0.16	0.073	ppbv		1.1	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	7.0	0.16	0.042	ppbv		25	0.56	0.15	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.9	0.16	0.11	ppbv		4.7	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	5.7	0.16	0.11	ppbv		20	0.56	0.38	ug/m3
78-93-3	72.11	Methyl ethyl ketone	10.7	0.16	0.088	ppbv		31.6	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene	ND	0.40	0.11	ppbv		ND	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	0.42	0.16	0.042	ppbv		1.8	0.68	0.18	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.062	ppbv		ND	0.44	0.34	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	1.6	0.16	0.070	ppbv		7.9	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.40	0.16	0.064	ppbv		2.0	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.19	0.16	0.032	ppbv		0.89	0.75	0.15	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.074	ppbv		ND	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	18.6	0.16	0.072	ppbv		54.9	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	5.3	0.16	0.046	ppbv		20	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	0.46	0.032	0.015	ppbv		2.5	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.21	0.080	0.12	ppbv		1.2	0.45	0.67	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	2.3	0.16	0.090	ppbv		8.1	0.56	0.32	ug/m3
	106.2	m,p-Xylene	1.3	0.16	0.11	ppbv		5.6	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	0.67	0.16	0.062	ppbv		2.9	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	2.0	0.16	0.062	ppbv		8.5	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%	100%	65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	123124VP02 INDOOR		
Lab Sample ID:	JE3522-3	**Date Sampled:**	12/31/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1334	**Date Received:**	12/31/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP02 INDOOR		
Lab Sample ID:	JE3522-3	**Date Sampled:**	12/31/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1334	**Date Received:**	12/31/24
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231786.D	1.25	01/09/25 19:19	WC	n/a	n/a	GQT3108
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	6.3	2.5	ppmv		ND	4.1	1.6	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	72%		59-135%
460-00-4	4-Bromofluorobenzene	94%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP02 SUBSLAB		
Lab Sample ID:	JE3522-4	**Date Sampled:**	12/31/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A2158	**Date Received:**	12/31/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W11611.D	1	01/09/25 08:48	BK	n/a	n/a	V7W416
Run #2							

	Initial Volume
Run #1	40.0 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	75.1	2.0	1.5	ppbv		178	4.8	3.6	ug/m3
106-99-0	54.09	1,3-Butadiene	307	2.0	0.84	ppbv		679	4.4	1.9	ug/m3
71-43-2	78.11	Benzene	19.4	2.0	0.47	ppbv		62.0	6.4	1.5	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	1.0	0.30	ppbv		ND	6.7	2.0	ug/m3
75-25-2	252.8	Bromoform	ND	0.40	0.71	ppbv		ND	4.1	7.3	ug/m3
74-83-9	94.94	Bromomethane	ND	2.0	0.69	ppbv		ND	7.8	2.7	ug/m3
593-60-2	106.9	Bromoethene	ND	2.0	0.61	ppbv		ND	8.7	2.7	ug/m3
100-44-7	126	Benzyl Chloride	ND	2.0	1.3	ppbv		ND	10	6.7	ug/m3
75-15-0	76.14	Carbon disulfide	ND	2.0	0.45	ppbv		ND	6.2	1.4	ug/m3
108-90-7	112.6	Chlorobenzene	ND	2.0	0.74	ppbv		ND	9.2	3.4	ug/m3
75-00-3	64.52	Chloroethane	ND	2.0	0.68	ppbv		ND	5.3	1.8	ug/m3
67-66-3	119.4	Chloroform	ND	2.0	0.37	ppbv		ND	9.8	1.8	ug/m3
74-87-3	50.49	Chloromethane	ND	2.0	0.90	ppbv		ND	4.1	1.9	ug/m3
107-05-1	76.53	3-Chloropropene	ND	2.0	0.83	ppbv		ND	6.3	2.6	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	2.0	0.72	ppbv		ND	10	3.7	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.40	0.40	ppbv		ND	2.5	2.5	ug/m3
110-82-7	84.16	Cyclohexane	71.8	2.0	0.45	ppbv		247	6.9	1.5	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	2.0	0.57	ppbv		ND	8.1	2.3	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.40	0.59	ppbv		ND	1.6	2.3	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	1.0	0.30	ppbv		ND	7.7	2.3	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	2.0	0.70	ppbv		ND	8.1	2.8	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	2.0	0.62	ppbv		ND	9.2	2.9	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	2.0	0.48	ppbv		ND	7.2	1.7	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	2.0	1.0	ppbv		ND	9.9	4.9	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	1.0	0.52	ppbv		ND	8.5	4.4	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	7.9	2.0	0.28	ppbv		31	7.9	1.1	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.40	0.30	ppbv		ND	1.6	1.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	2.0	0.62	ppbv		ND	9.1	2.8	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	1.0	1.3	ppbv		ND	6.0	7.8	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.40	0.69	ppbv		ND	2.4	4.1	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	1.0	0.79	ppbv		ND	6.0	4.7	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	2.0	1.0	ppbv		ND	9.1	4.5	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 123124VP02 SUBSLAB
Lab Sample ID: JE3522-4
Matrix: AIR - Soil Vapor Comp. Summa ID: A2158
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	14.2	5.0	3.9	ppbv		26.8	9.4	7.3	ug/m3
100-41-4	106.2	Ethylbenzene	53.3	2.0	0.61	ppbv		232	8.7	2.6	ug/m3
141-78-6	88	Ethyl Acetate	10	2.0	1.0	ppbv		36	7.2	3.6	ug/m3
622-96-8	120.19	4-Ethyltoluene	27.7	2.0	0.95	ppbv		136	9.8	4.7	ug/m3
76-13-1	187.4	Freon 113	ND	1.0	0.31	ppbv		ND	7.7	2.4	ug/m3
76-14-2	170.9	Freon 114	ND	1.0	0.50	ppbv		ND	7.0	3.5	ug/m3
142-82-5	100.2	Heptane	180	2.0	0.91	ppbv		738	8.2	3.7	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.90	0.62	ppbv		ND	9.6	6.6	ug/m3
110-54-3	86.18	Hexane	87.5	2.0	0.52	ppbv		308	7.0	1.8	ug/m3
591-78-6	100	2-Hexanone	ND	2.0	1.5	ppbv		ND	8.2	6.1	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.7	2.0	1.4	ppbv		6.6	4.9	3.4	ug/m3
75-09-2	84.94	Methylene chloride	ND	2.0	1.3	ppbv		ND	6.9	4.5	ug/m3
78-93-3	72.11	Methyl ethyl ketone	4.5	2.0	1.1	ppbv		13	5.9	3.2	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	2.0	0.73	ppbv		ND	8.2	3.0	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	2.0	0.80	ppbv		ND	7.2	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	2.0	0.70	ppbv		ND	8.2	2.9	ug/m3
115-07-1	42	Propylene	11.2	5.0	1.4	ppbv		19.2	8.6	2.4	ug/m3
100-42-5	104.1	Styrene	11.7	2.0	0.53	ppbv		49.8	8.5	2.3	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	1.0	0.78	ppbv		ND	5.5	4.3	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	1.0	0.48	ppbv		ND	6.9	3.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	1.0	0.38	ppbv		ND	5.5	2.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	1.0	1.2	ppbv		ND	7.4	8.9	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	83.9	2.0	0.87	ppbv		412	9.8	4.3	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	31.7	2.0	0.80	ppbv		156	9.8	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	20.3	2.0	0.40	ppbv		94.8	9.3	1.9	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	2.0	0.93	ppbv		ND	6.1	2.8	ug/m3
127-18-4	165.8	Tetrachloroethylene	33.2	0.40	0.14	ppbv		225	2.7	0.95	ug/m3
109-99-9	72.11	Tetrahydrofuran	5.0	2.0	0.90	ppbv		15	5.9	2.7	ug/m3
108-88-3	92.14	Toluene	109	2.0	0.57	ppbv		411	7.5	2.1	ug/m3
79-01-6	131.4	Trichloroethylene	1.0	0.40	0.19	ppbv		5.4	2.1	1.0	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	1.0	1.5	ppbv		ND	5.6	8.4	ug/m3
75-01-4	62.5	Vinyl chloride	1.0	0.40	0.69	ppbv		2.6	1.0	1.8	ug/m3
108-05-4	86	Vinyl Acetate	ND	2.0	1.1	ppbv		ND	7.0	3.9	ug/m3
	106.2	m,p-Xylene	165	2.0	1.4	ppbv		717	8.7	6.1	ug/m3
95-47-6	106.2	o-Xylene	68.0	2.0	0.77	ppbv		295	8.7	3.3	ug/m3
1330-20-7	106.2	Xylenes (total)	233	2.0	0.77	ppbv		1010	8.7	3.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP02 SUBSLAB		
Lab Sample ID:	JE3522-4	**Date Sampled:**	12/31/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A2158	**Date Received:**	12/31/24
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231787.D	1.35	01/09/25 20:00	WC	n/a	n/a	GQT3108
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	6.8	2.7	ppmv		ND	4.4	1.8	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	75%		59-135%
460-00-4	4-Bromofluorobenzene	92%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 123124VP03 INDOOR
Lab Sample ID: JE3522-5
Matrix: AIR - Indoor Air Comp. Summa ID: A1285
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W11593.D	1	01/08/25 19:37	BK	n/a	n/a	V7W415
Run #2	7W11616.D	1	01/09/25 12:07	BK	n/a	n/a	V7W416

	Initial Volume
Run #1	500 ml
Run #2	250 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	38.3 [a]	0.32	0.23	ppbv		91.0 [a]	0.76	0.55	ug/m3
106-99-0	54.09	1,3-Butadiene	0.28	0.16	0.067	ppbv		0.62	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.83	0.16	0.038	ppbv		2.7	0.51	0.12	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane	0.46	0.16	0.072	ppbv		0.95	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.032	0.032	ppbv		ND	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	0.27	0.16	0.036	ppbv		0.93	0.55	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.024	ppbv		ND	0.61	0.18	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.038	ppbv		ND	0.58	0.14	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.37	0.16	0.083	ppbv		1.8	0.79	0.41	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	8.2	0.16	0.022	ppbv		33	0.63	0.087	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.024	ppbv		ND	0.13	0.095	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.11	ppbv		ND	0.48	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.055	ppbv		ND	0.19	0.33	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.063	ppbv		ND	0.48	0.38	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 123124VP03 INDOOR
Lab Sample ID: JE3522-5
Matrix: AIR - Indoor Air Comp. Summa ID: A1285
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	33.7	0.40	0.32	ppbv		63.5	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	0.53	0.16	0.049	ppbv		2.3	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	30.8	0.16	0.083	ppbv		111	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.58	0.16	0.076	ppbv		2.9	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	0.31	0.16	0.073	ppbv		1.3	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	2.9	0.16	0.042	ppbv		10	0.56	0.15	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.3	0.16	0.11	ppbv		3.2	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	1.9	0.16	0.11	ppbv		6.6	0.56	0.38	ug/m3
78-93-3	72.11	Methyl ethyl ketone	14.1	0.16	0.088	ppbv		41.6	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene	ND	0.40	0.11	ppbv		ND	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	0.25	0.16	0.042	ppbv		1.1	0.68	0.18	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.062	ppbv		ND	0.44	0.34	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	2.3	0.16	0.070	ppbv		11	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.57	0.16	0.064	ppbv		2.8	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.12	0.16	0.032	ppbv	J	0.56	0.75	0.15	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.074	ppbv		ND	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	29.4	0.16	0.072	ppbv		86.7	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	4.3	0.16	0.046	ppbv		16	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	0.32	0.032	0.015	ppbv		1.7	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.20	0.080	0.12	ppbv		1.1	0.45	0.67	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	1.7	0.16	0.11	ppbv		7.4	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	0.91	0.16	0.062	ppbv		4.0	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	2.6	0.16	0.062	ppbv		11	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%	102%	65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	123124VP03 INDOOR		
Lab Sample ID:	JE3522-5	**Date Sampled:**	12/31/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1285	**Date Received:**	12/31/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP03 INDOOR		
Lab Sample ID:	JE3522-5	**Date Sampled:**	12/31/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1285	**Date Received:**	12/31/24
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231788.D	1.52	01/09/25 20:42	WC	n/a	n/a	GQT3108
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	7.6	3.0	ppmv		ND	5.0	2.0	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		59-135%
460-00-4	4-Bromofluorobenzene	94%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP03 SUBSLAB		
Lab Sample ID:	JE3522-6	**Date Sampled:**	12/31/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: M026	**Date Received:**	12/31/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W11612.D	1	01/09/25 09:27	BK	n/a	n/a	V7W416
Run #2							

	Initial Volume
Run #1	20.0 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	684	4.0	2.9	ppbv		1620	9.5	6.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	4.0	1.7	ppbv		ND	8.8	3.8	ug/m3
71-43-2	78.11	Benzene	34.2	4.0	0.94	ppbv		109	13	3.0	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	2.0	0.60	ppbv		ND	13	4.0	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	1.4	ppbv		ND	8.3	14	ug/m3
74-83-9	94.94	Bromomethane	ND	4.0	1.4	ppbv		ND	16	5.4	ug/m3
593-60-2	106.9	Bromoethene	ND	4.0	1.2	ppbv		ND	17	5.2	ug/m3
100-44-7	126	Benzyl Chloride	ND	4.0	2.5	ppbv		ND	21	13	ug/m3
75-15-0	76.14	Carbon disulfide	7.9	4.0	0.90	ppbv		25	12	2.8	ug/m3
108-90-7	112.6	Chlorobenzene	ND	4.0	1.5	ppbv		ND	18	6.9	ug/m3
75-00-3	64.52	Chloroethane	ND	4.0	1.4	ppbv		ND	11	3.7	ug/m3
67-66-3	119.4	Chloroform	ND	4.0	0.74	ppbv		ND	20	3.6	ug/m3
74-87-3	50.49	Chloromethane	ND	4.0	1.8	ppbv		ND	8.3	3.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	4.0	1.7	ppbv		ND	13	5.3	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	4.0	1.4	ppbv		ND	21	7.2	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.80	ppbv		ND	5.0	5.0	ug/m3
110-82-7	84.16	Cyclohexane	75.9	4.0	0.90	ppbv		261	14	3.1	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	4.0	1.1	ppbv		ND	16	4.5	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	1.2	ppbv		ND	3.2	4.8	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	2.0	0.60	ppbv		ND	15	4.6	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	4.0	1.4	ppbv		ND	16	5.7	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	4.0	1.2	ppbv		ND	18	5.5	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	4.0	0.96	ppbv		ND	14	3.5	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	4.0	2.1	ppbv		ND	20	10	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	2.0	1.0	ppbv		ND	17	8.5	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	4.2	4.0	0.56	ppbv		17	16	2.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.60	ppbv		ND	3.2	2.4	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	4.0	1.2	ppbv		ND	18	5.4	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	2.0	2.6	ppbv		ND	12	16	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	1.4	ppbv		ND	4.8	8.4	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	2.0	1.6	ppbv		ND	12	9.6	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	4.0	2.0	ppbv		ND	18	9.1	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 123124VP03 SUBSLAB
Lab Sample ID: JE3522-6
Matrix: AIR - Soil Vapor Comp. Summa ID: M026
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	231	10	7.9	ppbv		435	19	15	ug/m3
100-41-4	106.2	Ethylbenzene	37.1	4.0	1.2	ppbv		161	17	5.2	ug/m3
141-78-6	88	Ethyl Acetate	11.8	4.0	2.1	ppbv		42.5	14	7.6	ug/m3
622-96-8	120.19	4-Ethyltoluene	5.8	4.0	1.9	ppbv		29	20	9.3	ug/m3
76-13-1	187.4	Freon 113	ND	2.0	0.62	ppbv		ND	15	4.8	ug/m3
76-14-2	170.9	Freon 114	ND	2.0	1.0	ppbv		ND	14	7.0	ug/m3
142-82-5	100.2	Heptane	186	4.0	1.8	ppbv		762	16	7.4	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	1.8	1.2	ppbv		ND	19	13	ug/m3
110-54-3	86.18	Hexane	71.3	4.0	1.0	ppbv		251	14	3.5	ug/m3
591-78-6	100	2-Hexanone	ND	4.0	2.9	ppbv		ND	16	12	ug/m3
67-63-0	60.1	Isopropyl Alcohol	13.2	4.0	2.8	ppbv		32.4	9.8	6.9	ug/m3
75-09-2	84.94	Methylene chloride	ND	4.0	2.7	ppbv		ND	14	9.4	ug/m3
78-93-3	72.11	Methyl ethyl ketone	124	4.0	2.2	ppbv		366	12	6.5	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	4.0	1.5	ppbv		ND	16	6.1	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	4.0	1.6	ppbv		ND	14	5.8	ug/m3
80-62-6	100.12	Methylmethacrylate	49.7	4.0	1.4	ppbv		204	16	5.7	ug/m3
115-07-1	42	Propylene	19.7	10	2.8	ppbv		33.8	17	4.8	ug/m3
100-42-5	104.1	Styrene	ND	4.0	1.1	ppbv		ND	17	4.7	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	2.0	1.6	ppbv		ND	11	8.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	2.0	0.96	ppbv		ND	14	6.6	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	2.0	0.76	ppbv		ND	11	4.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	2.0	2.4	ppbv		ND	15	18	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	17.6	4.0	1.7	ppbv		86.5	20	8.4	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	6.4	4.0	1.6	ppbv		31	20	7.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	29.2	4.0	0.80	ppbv		136	19	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	21.7	4.0	1.9	ppbv		65.8	12	5.8	ug/m3
127-18-4	165.8	Tetrachloroethylene	14.3	0.80	0.28	ppbv		97.0	5.4	1.9	ug/m3
109-99-9	72.11	Tetrahydrofuran	149	4.0	1.8	ppbv		439	12	5.3	ug/m3
108-88-3	92.14	Toluene	195	4.0	1.1	ppbv		735	15	4.1	ug/m3
79-01-6	131.4	Trichloroethylene	3.0	0.80	0.38	ppbv		16	4.3	2.0	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	2.0	3.1	ppbv		ND	11	17	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	1.4	ppbv		ND	2.0	3.6	ug/m3
108-05-4	86	Vinyl Acetate	ND	4.0	2.2	ppbv		ND	14	7.7	ug/m3
	106.2	m,p-Xylene	102	4.0	2.8	ppbv		443	17	12	ug/m3
95-47-6	106.2	o-Xylene	38.9	4.0	1.5	ppbv		169	17	6.5	ug/m3
1330-20-7	106.2	Xylenes (total)	141	4.0	1.5	ppbv		612	17	6.5	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 123124VP03 SUBSLAB
Lab Sample ID: JE3522-6
Matrix: AIR - Soil Vapor Comp. Summa ID: M026
Method: EPA TO-3
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231789.D	1.23	01/09/25 21:22	WC	n/a	n/a	GQT3108
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	47.4	6.2	2.4	ppmv		31.0	4.1	1.6	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	76%		59-135%
460-00-4	4-Bromofluorobenzene	93%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 123124VP04 INDOOR
Lab Sample ID: JE3522-7
Matrix: AIR - Indoor Air Comp. Summa ID: A1097
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W11608.D	1	01/09/25 06:45	BK	n/a	n/a	V7W416
Run #2							

	Initial Volume
Run #1	500 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	23.1	0.16	0.12	ppbv		54.9	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene	0.14	0.16	0.067	ppbv	J	0.31	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.34	0.16	0.038	ppbv		1.1	0.51	0.12	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane	0.40	0.16	0.072	ppbv		0.83	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.032	0.032	ppbv		ND	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	0.13	0.16	0.036	ppbv	J	0.45	0.55	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.024	ppbv		ND	0.61	0.18	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.038	ppbv		ND	0.58	0.14	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.35	0.16	0.083	ppbv		1.7	0.79	0.41	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	10.3	0.16	0.022	ppbv		40.8	0.63	0.087	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.024	ppbv		ND	0.13	0.095	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.11	ppbv		ND	0.48	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.055	ppbv		ND	0.19	0.33	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.063	ppbv		ND	0.48	0.38	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 123124VP04 INDOOR
Lab Sample ID: JE3522-7
Matrix: AIR - Indoor Air Comp. Summa ID: A1097
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	12.0	0.40	0.32	ppbv		22.6	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	0.48	0.16	0.049	ppbv		2.1	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	0.56	0.16	0.083	ppbv		2.0	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.30	0.16	0.076	ppbv		1.5	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	0.27	0.16	0.073	ppbv		1.1	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	10.0	0.16	0.042	ppbv		35.2	0.56	0.15	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.64	0.16	0.11	ppbv		1.6	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	5.8	0.16	0.11	ppbv		20	0.56	0.38	ug/m3
78-93-3	72.11	Methyl ethyl ketone	12.9	0.16	0.088	ppbv		38.0	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene	ND	0.40	0.11	ppbv		ND	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	0.13	0.16	0.042	ppbv	J	0.55	0.68	0.18	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.062	ppbv		ND	0.44	0.34	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	1.4	0.16	0.070	ppbv		6.9	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.38	0.16	0.064	ppbv		1.9	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.44	0.16	0.032	ppbv		2.1	0.75	0.15	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.074	ppbv		ND	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	31.9	0.16	0.072	ppbv		94.1	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	1.6	0.16	0.046	ppbv		6.0	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	0.14	0.032	0.015	ppbv		0.75	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.080	0.12	ppbv		1.4	0.45	0.67	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	1.6	0.16	0.11	ppbv		6.9	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	0.55	0.16	0.062	ppbv		2.4	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	2.2	0.16	0.062	ppbv		9.3	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP04 INDOOR		
Lab Sample ID:	JE3522-7	**Date Sampled:**	12/31/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1097	**Date Received:**	12/31/24
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231790.D	1.08	01/09/25 22:05	WC	n/a	n/a	GQT3108
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	5.4	2.1	ppmv		ND	3.5	1.4	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	77%		59-135%
460-00-4	4-Bromofluorobenzene	92%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP04 SUBSLAB		
Lab Sample ID:	JE3522-8	**Date Sampled:**	12/31/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1073	**Date Received:**	12/31/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W11613.D	1	01/09/25 10:07	BK	n/a	n/a	V7W416
Run #2							

	Initial Volume
Run #1	200 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	24.9	0.40	0.29	ppbv		59.1	0.95	0.69	ug/m3
106-99-0	54.09	1,3-Butadiene	21.7	0.40	0.17	ppbv		48.0	0.88	0.38	ug/m3
71-43-2	78.11	Benzene	1.1	0.40	0.094	ppbv		3.5	1.3	0.30	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.060	ppbv		ND	1.3	0.40	ug/m3
75-25-2	252.8	Bromoform	ND	0.080	0.14	ppbv		ND	0.83	1.4	ug/m3
74-83-9	94.94	Bromomethane	ND	0.40	0.14	ppbv		ND	1.6	0.54	ug/m3
593-60-2	106.9	Bromoethene	ND	0.40	0.12	ppbv		ND	1.7	0.52	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.40	0.25	ppbv		ND	2.1	1.3	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.40	0.090	ppbv		ND	1.2	0.28	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.40	0.15	ppbv		ND	1.8	0.69	ug/m3
75-00-3	64.52	Chloroethane	ND	0.40	0.14	ppbv		ND	1.1	0.37	ug/m3
67-66-3	119.4	Chloroform	0.56	0.40	0.074	ppbv		2.7	2.0	0.36	ug/m3
74-87-3	50.49	Chloromethane	0.30	0.40	0.18	ppbv	J	0.62	0.83	0.37	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.40	0.17	ppbv		ND	1.3	0.53	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.40	0.14	ppbv		ND	2.1	0.72	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.080	0.080	ppbv		ND	0.50	0.50	ug/m3
110-82-7	84.16	Cyclohexane	0.30	0.40	0.090	ppbv	J	1.0	1.4	0.31	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.40	0.11	ppbv		ND	1.6	0.45	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.080	0.12	ppbv		ND	0.32	0.48	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.20	0.060	ppbv		ND	1.5	0.46	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.40	0.14	ppbv		ND	1.6	0.57	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.40	0.12	ppbv		ND	1.8	0.55	ug/m3
123-91-1	88.12	1,4-Dioxane	0.50	0.40	0.096	ppbv		1.8	1.4	0.35	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.66	0.40	0.21	ppbv		3.3	2.0	1.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.10	ppbv		ND	1.7	0.85	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	43.2	0.40	0.056	ppbv		171	1.6	0.22	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.080	0.060	ppbv		ND	0.32	0.24	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.40	0.12	ppbv		ND	1.8	0.54	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.26	ppbv		ND	1.2	1.6	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.080	0.14	ppbv		ND	0.48	0.84	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.16	ppbv		ND	1.2	0.96	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.40	0.20	ppbv		ND	1.8	0.91	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 123124VP04 SUBSLAB
Lab Sample ID: JE3522-8
Matrix: AIR - Soil Vapor Comp. Summa ID: A1073
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	33.4	1.0	0.79	ppbv		62.9	1.9	1.5	ug/m3
100-41-4	106.2	Ethylbenzene	1.9	0.40	0.12	ppbv		8.3	1.7	0.52	ug/m3
141-78-6	88	Ethyl Acetate	4.0	0.40	0.21	ppbv		14	1.4	0.76	ug/m3
622-96-8	120.19	4-Ethyltoluene	3.6	0.40	0.19	ppbv		18	2.0	0.93	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.062	ppbv		ND	1.5	0.48	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.10	ppbv		ND	1.4	0.70	ug/m3
142-82-5	100.2	Heptane	0.46	0.40	0.18	ppbv		1.9	1.6	0.74	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.18	0.12	ppbv		ND	1.9	1.3	ug/m3
110-54-3	86.18	Hexane	0.27	0.40	0.10	ppbv	J	0.95	1.4	0.35	ug/m3
591-78-6	100	2-Hexanone	ND	0.40	0.29	ppbv		ND	1.6	1.2	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.4	0.40	0.28	ppbv		3.4	0.98	0.69	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.40	0.27	ppbv		ND	1.4	0.94	ug/m3
78-93-3	72.11	Methyl ethyl ketone	8.6	0.40	0.22	ppbv		25	1.2	0.65	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.23	0.40	0.15	ppbv	J	0.94	1.6	0.61	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.40	0.16	ppbv		ND	1.4	0.58	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.40	0.14	ppbv		ND	1.6	0.57	ug/m3
115-07-1	42	Propylene	ND	1.0	0.28	ppbv		ND	1.7	0.48	ug/m3
100-42-5	104.1	Styrene	0.51	0.40	0.11	ppbv		2.2	1.7	0.47	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.16	ppbv		ND	1.1	0.87	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.20	0.096	ppbv		ND	1.4	0.66	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.076	ppbv		ND	1.1	0.41	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.24	ppbv		ND	1.5	1.8	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	12.6	0.40	0.17	ppbv		61.9	2.0	0.84	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	3.9	0.40	0.16	ppbv		19	2.0	0.79	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.40	0.080	ppbv		ND	1.9	0.37	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.95	0.40	0.19	ppbv		2.9	1.2	0.58	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.39	0.080	0.028	ppbv		2.6	0.54	0.19	ug/m3
109-99-9	72.11	Tetrahydrofuran	13.1	0.40	0.18	ppbv		38.6	1.2	0.53	ug/m3
108-88-3	92.14	Toluene	6.4	0.40	0.11	ppbv		24	1.5	0.41	ug/m3
79-01-6	131.4	Trichloroethylene	0.41	0.080	0.038	ppbv		2.2	0.43	0.20	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.20	0.31	ppbv		ND	1.1	1.7	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.080	0.14	ppbv		ND	0.20	0.36	ug/m3
108-05-4	86	Vinyl Acetate	0.45	0.40	0.22	ppbv		1.6	1.4	0.77	ug/m3
	106.2	m,p-Xylene	5.2	0.40	0.28	ppbv		23	1.7	1.2	ug/m3
95-47-6	106.2	o-Xylene	3.6	0.40	0.15	ppbv		16	1.7	0.65	ug/m3
1330-20-7	106.2	Xylenes (total)	8.8	0.40	0.15	ppbv		39	1.7	0.65	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP04 SUBSLAB		
Lab Sample ID:	JE3522-8	**Date Sampled:**	12/31/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1073	**Date Received:**	12/31/24
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231792.D	1.38	01/09/25 23:24	WC	n/a	n/a	GQT3108
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	6.9	2.7	ppmv		ND	4.5	1.8	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		59-135%
460-00-4	4-Bromofluorobenzene	94%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP05 INDOOR		
Lab Sample ID:	JE3522-9	**Date Sampled:**	12/31/24
Matrix:	AIR - Indoor Air Comp. Summa ID: M409	**Date Received:**	12/31/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W11609.D	1	01/09/25 07:30	BK	n/a	n/a	V7W416
Run #2							

	Initial Volume
Run #1	500 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	8.3	0.16	0.12	ppbv		20	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	0.067	ppbv		ND	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.22	0.16	0.038	ppbv		0.70	0.51	0.12	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane	0.41	0.16	0.072	ppbv		0.85	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.032	0.032	ppbv		ND	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	0.096	0.16	0.036	ppbv	J	0.33	0.55	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.024	ppbv		ND	0.61	0.18	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.038	ppbv		ND	0.58	0.14	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.37	0.16	0.083	ppbv		1.8	0.79	0.41	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	1.8	0.16	0.022	ppbv		7.1	0.63	0.087	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.024	ppbv		ND	0.13	0.095	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.11	ppbv		ND	0.48	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.055	ppbv		ND	0.19	0.33	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.063	ppbv		ND	0.48	0.38	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	123124VP05 INDOOR		
Lab Sample ID:	JE3522-9	**Date Sampled:**	12/31/24
Matrix:	AIR - Indoor Air Comp. Summa ID: M409	**Date Received:**	12/31/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	3.8	0.40	0.32	ppbv		7.2	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	0.13	0.16	0.049	ppbv	J	0.56	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	0.47	0.16	0.083	ppbv		1.7	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.18	0.16	0.076	ppbv		0.88	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	0.11	0.16	0.073	ppbv	J	0.45	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	13.6	0.16	0.042	ppbv		47.9	0.56	0.15	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.42	0.16	0.11	ppbv		1.0	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	12.5	0.16	0.11	ppbv		43.4	0.56	0.38	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.5	0.16	0.088	ppbv		7.4	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene	ND	0.40	0.11	ppbv		ND	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	ND	0.16	0.042	ppbv		ND	0.68	0.18	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.062	ppbv		ND	0.44	0.34	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.83	0.16	0.070	ppbv		4.1	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.21	0.16	0.064	ppbv		1.0	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.69	0.16	0.032	ppbv		3.2	0.75	0.15	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.074	ppbv		ND	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	6.0	0.16	0.072	ppbv		18	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	1.4	0.16	0.046	ppbv		5.3	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	0.045	0.032	0.015	ppbv		0.24	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.30	0.080	0.12	ppbv		1.7	0.45	0.67	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	0.41	0.16	0.11	ppbv		1.8	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	0.22	0.16	0.062	ppbv		0.96	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	0.63	0.16	0.062	ppbv		2.8	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP05 INDOOR		
Lab Sample ID:	JE3522-9	**Date Sampled:**	12/31/24
Matrix:	AIR - Indoor Air Comp. Summa ID: M409	**Date Received:**	12/31/24
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231793.D	1.08	01/10/25 00:03	WC	n/a	n/a	GQT3108
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	5.4	2.1	ppmv		ND	3.5	1.4	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	74%		59-135%
460-00-4	4-Bromofluorobenzene	93%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 123124VP05 SUBSLAB
Lab Sample ID: JE3522-10
Matrix: AIR - Soil Vapor Comp. Summa ID: A1166
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W11614.D	1	01/09/25 10:46	BK	n/a	n/a	V7W416
Run #2	7W11620.D	1	01/09/25 14:58	BK	n/a	n/a	V7W416

	Initial Volume
Run #1	80.0 ml
Run #2	20.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	43.1	1.0	0.73	ppbv		102	2.4	1.7	ug/m3
106-99-0	54.09	1,3-Butadiene	471 [a]	4.0	1.7	ppbv		1040 [a]	8.8	3.8	ug/m3
71-43-2	78.11	Benzene	10.0	1.0	0.24	ppbv		31.9	3.2	0.77	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.50	0.15	ppbv		ND	3.3	1.0	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.36	ppbv		ND	2.1	3.7	ug/m3
74-83-9	94.94	Bromomethane	ND	1.0	0.35	ppbv		ND	3.9	1.4	ug/m3
593-60-2	106.9	Bromoethene	ND	1.0	0.31	ppbv		ND	4.4	1.4	ug/m3
100-44-7	126	Benzyl Chloride	ND	1.0	0.63	ppbv		ND	5.2	3.2	ug/m3
75-15-0	76.14	Carbon disulfide	1.0	1.0	0.23	ppbv		3.1	3.1	0.72	ug/m3
108-90-7	112.6	Chlorobenzene	ND	1.0	0.37	ppbv		ND	4.6	1.7	ug/m3
75-00-3	64.52	Chloroethane	ND	1.0	0.34	ppbv		ND	2.6	0.90	ug/m3
67-66-3	119.4	Chloroform	ND	1.0	0.19	ppbv		ND	4.9	0.93	ug/m3
74-87-3	50.49	Chloromethane	ND	1.0	0.45	ppbv		ND	2.1	0.93	ug/m3
107-05-1	76.53	3-Chloropropene	ND	1.0	0.42	ppbv		ND	3.1	1.3	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	1.0	0.36	ppbv		ND	5.2	1.9	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.20	ppbv		ND	1.3	1.3	ug/m3
110-82-7	84.16	Cyclohexane	41.3	1.0	0.23	ppbv		142	3.4	0.79	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	1.0	0.29	ppbv		ND	4.0	1.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.30	ppbv		ND	0.79	1.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.50	0.15	ppbv		ND	3.8	1.2	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	1.0	0.35	ppbv		ND	4.0	1.4	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	1.0	0.31	ppbv		ND	4.6	1.4	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	1.0	0.24	ppbv		ND	3.6	0.86	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.61	1.0	0.52	ppbv	J	3.0	4.9	2.6	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.50	0.26	ppbv		ND	4.3	2.2	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	4.8	1.0	0.14	ppbv		19	4.0	0.56	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.15	ppbv		ND	0.79	0.59	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	1.0	0.31	ppbv		ND	4.5	1.4	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.50	0.66	ppbv		ND	3.0	4.0	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.35	ppbv		ND	1.2	2.1	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.50	0.40	ppbv		ND	3.0	2.4	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	1.0	0.51	ppbv		ND	4.5	2.3	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 123124VP05 SUBSLAB
Lab Sample ID: JE3522-10
Matrix: AIR - Soil Vapor Comp. Summa ID: A1166
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	42.3	2.5	2.0	ppbv		79.7	4.7	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	4.1	1.0	0.31	ppbv		18	4.3	1.3	ug/m3
141-78-6	88	Ethyl Acetate	5.1	1.0	0.52	ppbv		18	3.6	1.9	ug/m3
622-96-8	120.19	4-Ethyltoluene	2.5	1.0	0.48	ppbv		12	4.9	2.4	ug/m3
76-13-1	187.4	Freon 113	ND	0.50	0.16	ppbv		ND	3.8	1.2	ug/m3
76-14-2	170.9	Freon 114	ND	0.50	0.25	ppbv		ND	3.5	1.7	ug/m3
142-82-5	100.2	Heptane	41.8	1.0	0.46	ppbv		171	4.1	1.9	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.45	0.31	ppbv		ND	4.8	3.3	ug/m3
110-54-3	86.18	Hexane	53.1	1.0	0.26	ppbv		187	3.5	0.92	ug/m3
591-78-6	100	2-Hexanone	ND	1.0	0.73	ppbv		ND	4.1	3.0	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.4	1.0	0.71	ppbv		5.9	2.5	1.7	ug/m3
75-09-2	84.94	Methylene chloride	ND	1.0	0.67	ppbv		ND	3.5	2.3	ug/m3
78-93-3	72.11	Methyl ethyl ketone	6.5	1.0	0.55	ppbv		19	2.9	1.6	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	1.0	0.37	ppbv		ND	4.1	1.5	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	1.0	0.40	ppbv		ND	3.6	1.4	ug/m3
80-62-6	100.12	Methylmethacrylate	4.1	1.0	0.35	ppbv		17	4.1	1.4	ug/m3
115-07-1	42	Propylene	13.0	2.5	0.71	ppbv		22.3	4.3	1.2	ug/m3
100-42-5	104.1	Styrene	ND	1.0	0.27	ppbv		ND	4.3	1.1	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.50	0.39	ppbv		ND	2.7	2.1	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.50	0.24	ppbv		ND	3.4	1.6	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.50	0.19	ppbv		ND	2.7	1.0	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.50	0.61	ppbv		ND	3.7	4.5	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	10.8	1.0	0.44	ppbv		53.1	4.9	2.2	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	2.8	1.0	0.40	ppbv		14	4.9	2.0	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	8.6	1.0	0.20	ppbv		40	4.7	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	5.5	1.0	0.47	ppbv		17	3.0	1.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	2.6	0.20	0.070	ppbv		18	1.4	0.47	ug/m3
109-99-9	72.11	Tetrahydrofuran	10.2	1.0	0.45	ppbv		30.1	2.9	1.3	ug/m3
108-88-3	92.14	Toluene	18.0	1.0	0.29	ppbv		67.8	3.8	1.1	ug/m3
79-01-6	131.4	Trichloroethylene	1.0	0.20	0.095	ppbv		5.4	1.1	0.51	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.50	0.77	ppbv		ND	2.8	4.3	ug/m3
75-01-4	62.5	Vinyl chloride	0.56	0.20	0.35	ppbv		1.4	0.51	0.89	ug/m3
108-05-4	86	Vinyl Acetate	ND	1.0	0.56	ppbv		ND	3.5	2.0	ug/m3
	106.2	m,p-Xylene	11.6	1.0	0.70	ppbv		50.4	4.3	3.0	ug/m3
95-47-6	106.2	o-Xylene	6.7	1.0	0.39	ppbv		29	4.3	1.7	ug/m3
1330-20-7	106.2	Xylenes (total)	18.3	1.0	0.39	ppbv		79.4	4.3	1.7	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%	100%	65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	123124VP05 SUBSLAB		
Lab Sample ID:	JE3522-10	**Date Sampled:**	12/31/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1166	**Date Received:**	12/31/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP05 SUBSLAB		
Lab Sample ID:	JE3522-10	**Date Sampled:**	12/31/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1166	**Date Received:**	12/31/24
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231794.D	1.28	01/10/25 00:44	WC	n/a	n/a	GQT3108
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	6.4	2.5	ppmv		ND	4.2	1.6	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	74%		59-135%
460-00-4	4-Bromofluorobenzene	92%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP06 INDOOR		
Lab Sample ID:	JE3522-11	**Date Sampled:**	12/31/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A358	**Date Received:**	12/31/24
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231759.D	1.38	01/06/25 15:00	WC	n/a	n/a	GQT3106
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	6.9	2.7	ppmv		ND	4.5	1.8	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		59-135%
460-00-4	4-Bromofluorobenzene	96%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP06 SUBSLAB		
Lab Sample ID:	JE3522-12	**Date Sampled:**	12/31/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1783	**Date Received:**	12/31/24
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231760.D	1.35	01/06/25 15:40	WC	n/a	n/a	GQT3106
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	7.4	6.8	2.7	ppmv		4.8	4.4	1.8	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		59-135%
460-00-4	4-Bromofluorobenzene	96%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP07 INDOOR		
Lab Sample ID:	JE3522-13	**Date Sampled:**	12/31/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A471	**Date Received:**	12/31/24
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231761.D	1.45	01/06/25 16:19	WC	n/a	n/a	GQT3106
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	7.3	2.9	ppmv		ND	4.8	1.9	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		59-135%
460-00-4	4-Bromofluorobenzene	96%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	123124VP07 SUBSLAB		
Lab Sample ID:	JE3522-14	**Date Sampled:**	12/31/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A735	**Date Received:**	12/31/24
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231762.D	1.3	01/06/25 16:55	WC	n/a	n/a	GQT3106
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	8.7	6.5	2.6	ppmv		5.7	4.3	1.7	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		59-135%
460-00-4	4-Bromofluorobenzene	97%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 123124 OUTDOOR
Lab Sample ID: JE3522-15
Matrix: AIR - Ambient Air Comp. Summa ID: A1013
Method: EPA TO-3
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 12/31/24
Date Received: 12/31/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231763.D	1.33	01/06/25 17:38	WC	n/a	n/a	GQT3106
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	6.7	2.6	ppmv		ND	4.4	1.7	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		59-135%
460-00-4	4-Bromofluorobenzene	98%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody
- 2024 MDL Study - Method: TO-15

Air

SGS AIR CHAIN OF CUSTODY

PAGE 1 OF 2

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #: —
Bottle Order Control #: PREAIR-NJ-191824-101
SGS Quote #: —
SGS Job #: JE3522

Client / Reporting Information

Company Name: PSDS
Address: 3 Mountainview Rd
City: Warren State: NJ Zip:
Project Contact: James Foster E-mail: JFoster@psands.com, Rander@psands
Phone #: 9739085973 Fax #: Email: Rander@psands.com
Sampler(s) Name(s): Rich Andes

Project Information

Project Name: Edge on Hudson
Street: Sleepy Hollow
City: State: NY
Project #:
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: 56.7 Maximum: 57.1
Stop: 48.1 Minimum: 36.8
Atmospheric Pressure (Inches of Hg)
Start: @29.43 Maximum: 29.79
Stop: 29.72 Minimum: 29.43
Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	VT015NYLL+GC (full TO15) (Nite Hawk)	VT03CH4
1	123124VP01 Indoor	I	A871	6	FC791	123024	1230	-30		RA	123124	1230	-7		RA	X	X
2	123124VP01 Subslab	SV	A2105	6	FC833		1230	-30				1230	-7			X	X
3	123124VP02 Indoor	I	A1374	6	FC1077		1230	-20				1230	-1			X	X
4	123124VP02 Subslab	SV	A2158	6	FC959		1230	-29				1230	-6			X	X
5	123124VP03 Indoor	I	A1285	6	FC1219		1230	-26				1230	-5			X	X
6	123124VP03 Subslab	SV	M026	6	FC1158		1230	-28				1230	-5			X	X
7	123124VP04 Indoor	I	A1097	6	FC970		1230	-29				1230	-5			X	X
8	123124VP04 Subslab	SV	A1073	6	FC1251		1230	-30				1230	-6			X	X
9	123124VP05 Indoor	I	M409	6	FC796		1230	-30				1230	-7			X	X
10	123124VP05 Subslab	SV	A1166	6	FC1109	▼	1230	-30		▼	▼	1230	-5		▼	X	X

Standard - 15 Days
10 Day
5 Day
3 Day
2 Day
1 Day
Other
Approved By:
Date:

All NJDEP TO-15 is Mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other:
DKQP reporting

Comments / Remarks
TO15 for VOCs by methods that achieve RL of 1 ug/m3 or less and 0.2 ug/m3 or less for TCE and Carbon tetrachloride
Sample inventory is verified upon receipt to the Laboratory

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 WJ	12/23/24 8:08	1	2	12/31/24	2
Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3	12-31-24 1817	3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Initial Assessment	
5		5		Label Verification	

Form:SM088-03D (revised 2-12-18)

SGS COURIER

http://www.sgs.com/en/terms-and-conditions

AIR CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #: —
Bottle Order Control #: PREM-nnn-121824-10L
SGS Quote #: —
SGS Job #: JE3522

Client / Reporting Information
Company Name: Same as previous
Address:
City: State: Zip:
Project Contact: Email:
Phone #: Fax #:
Sampler(s) Name(s):

Project Information
Project Name: Same as previous
Street:
City: State:
Project #:
Client Purchase Order #:

Weather Parameters
Temperature (Fahrenheit)
Start: 56.7 Maximum: 57.1
Stop: 48.1 Minimum: 36.8
Atmoshpheric Pressure (inches of Hg)
Start: 29.43 Maximum: 29.79
Stop: 29.72 Minimum: 29.43
Other weather comment:

Requested Analysis
VTO15NYLL+6C (Full TO15) VTO3 CH_4 (Methane)

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	VTO15NYLL+6C (Full TO15)	VTO3 CH_4 (Methane)
11	123124 VP06 Indoor	I	A358	MC189	6	123124	1230	30		RA	123124	1230	-7		RA	X	
12	123124 VP06 Subslab	SV	A1783	FC828	6		1230	30		RA		1230	-6			X	
13	123124 VP07 Indoor	I	A471	MC235	6		1230	30		RA		1230	-7			X	
14	123124 VP07 Subslab	SV	A735	FC1269	6		1230	29		RA		1230	-6			X	
15	123124 Outdoor	A	A1013	FC769	6		1230	30		RA		1230	-6			X	

Turnaround Time (Business days)
- [ ] Standard - 15 Days
- [ ] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Other

Approved By:
Date:

Data Deliverable Information
All NJDEP TO-15 is Mandatory Full T1
- [ ] Comm A
- [ ] Comm B
- [ ] Reduced T2
- [ ] Full T1
- [ ] Other:
- [ ] NJDEP reporting

Comments / Remarks
TO15 for VOCs by methods that achieve RL of 1 ug/m3 or less and 0.2 ug/m3 or less for TCE and carbon tetrachloride

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 W.J.	12/23/24 8:00	1	2	12/31/24	2
Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3	12-31-24 1817	3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #		
5		6			

Form:SM088-03D (revised 2-12-18)

http://www.sgs.com/en/terms-and-conditions

SGS Sample Receipt Summary

Job Number: JE3522 **Client:** PAULUS SOKOLOWSKI AND SARTOR IN **Project:** EDGE ON HUDSON, SLEEPY HOLLOW,

Date / Time Received: 12/31/2024 6:17:00 PM **Delivery Method:** SGS COURIER **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Summa Canister and Flow Controller Log

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Received: 12/31/24

SUMMA CANISTERS

Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A871	6	29.5	12/20/24	BK	CP12948	7W11368.D	JE3522-1	01/02/25	ES	6.5			1
A2105	6	29.5	12/20/24	BK	CP12946	5W55713.D	JE3522-2	01/02/25	RC	6.5			1
A1334	6	29.5	12/20/24	BK	CP12948	7W11368.D	JE3522-3	01/02/25	ES	.5			1
A2158	6	29.5	12/20/24	BK	CP12914	7W10297.D	JE3522-4	01/02/25	RC	6.5			1
A1285	6	29.5	12/20/24	BK	CP12946	5W55713.D	JE3522-5	01/02/25	RC	4.5			1
M026	6	29.5	12/20/24	BK	CP12948	7W11368.D	JE3522-6	01/02/25	ES	3.5			1
A1097	6	29.5	12/20/24	BK	CP12946	5W55713.D	JE3522-7	01/02/25	ES	4.5			1
A1073	6	29.5	12/20/24	BK	CP12948	7W11368.D	JE3522-8	01/02/25	RC	6			1
M409	6	29.5	12/20/24	BK	CP12946	5W55713.D	JE3522-9	01/02/25	ES	6			1
A1166	6	29.5	12/20/24	BK	CP12948	7W11368.D	JE3522-10	01/02/25	ES	4			1
A358	6	29.5	12/20/24	BK	CP12948	7W11368.D	JE3522-11	01/02/25	RC	6.5			1
A1783	6	29.5	12/20/24	BK	CP12948	7W11368.D	JE3522-12	01/02/25	ES	6			1
A471	6	29.5	12/20/24	BK	CP12948	7W11368.D	JE3522-13	01/02/25	RC	7.5			1
A735	6	29.5	12/20/24	BK	CP12948	7W11368.D	JE3522-14	01/02/25	ES	5			1
A1013	6	29.5	12/20/24	BK	CP12946	5W55713.D	JE3522-15	01/02/25	ES	5.5			1

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC754	12/19/24	RC	3.5	24	01/03/25	RC	3.4	2.9	Flow Controller
FC769	12/19/24	RC	3.5	24	01/03/25	RC	3.5	0	Flow Controller
FC796	12/19/24	RC	3.4	24	01/03/25	RC	3.4	0	Flow Controller
FC828	12/19/24	RC	3.5	24	01/03/25	RC	3.4	2.9	Flow Controller
FC833	12/19/24	RC	3.5	24	01/03/25	RC	3.3	5.9	Flow Controller
FC959	12/19/24	RC	3.5	24	01/03/25	RC	3.5	0	Flow Controller
FC970	12/19/24	RC	3.5	24	01/03/25	RC	3.7	5.6	Flow Controller
MC189	12/19/24	RC	3.5	24	01/03/25	RC	3.5	0	Flow Controller
MC235	12/19/24	RC	3.5	24	01/03/25	RC	3.3	5.9	Flow Controller
FC1077	12/19/24	RC	3.5	24	01/03/25	RC	3.6	2.8	Flow Controller
FC1109	12/19/24	RC	3.5	24	01/03/25	RC	4.1	15.8	Flow Controller
FC1158	12/19/24	RC	3.5	24	01/03/25	RC	3.6	2.8	Flow Controller
FC1209	12/19/24	RC	3.5	24	01/03/25	RC	3.7	5.6	Flow Controller
FC1219	12/19/24	RC	3.5	24	01/03/25	RC	3.5	0	Flow Controller
FC1251	12/19/24	RC	3.4	24	01/03/25	RC	3.9	13.7	Flow Controller

SGS Bottle Order(s):
PREM-MM-121824-101

Prep Date **Room Temp(F)** **Bar Pres "Hg**

Summa Canister and Flow Controller Log

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Received: 12/31/24

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
12/20/24	70			29.92					

Internal Sample Tracking Chronicle

Paulus, Sokolowski and Sartor Inc

Job No: JE3522

Edge on Hudson, Sleepy Hollow, NY

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE3522-1	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP01 INDOOR						
JE3522-1	TO-15	08-JAN-25 18:06	BK			VTO15NYLL + GC
JE3522-1	EPA TO-3	09-JAN-25 16:35	WC			VTO3CH4
JE3522-2	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP01 SUBSLAB						
JE3522-2	TO-15	09-JAN-25 08:10	BK			VTO15NYSVLL + GC
JE3522-2	EPA TO-3	09-JAN-25 18:38	WC			VTO3CH4
JE3522-3	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP02 INDOOR						
JE3522-3	TO-15	08-JAN-25 18:52	BK			VTO15NYLL + GC
JE3522-3	TO-15	09-JAN-25 11:26	BK			VTO15NYLL + GC
JE3522-3	EPA TO-3	09-JAN-25 19:19	WC			VTO3CH4
JE3522-4	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP02 SUBSLAB						
JE3522-4	TO-15	09-JAN-25 08:48	BK			VTO15NYSVLL + GC
JE3522-4	EPA TO-3	09-JAN-25 20:00	WC			VTO3CH4
JE3522-5	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP03 INDOOR						
JE3522-5	TO-15	08-JAN-25 19:37	BK			VTO15NYLL + GC
JE3522-5	TO-15	09-JAN-25 12:07	BK			VTO15NYLL + GC
JE3522-5	EPA TO-3	09-JAN-25 20:42	WC			VTO3CH4
JE3522-6	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP03 SUBSLAB						
JE3522-6	TO-15	09-JAN-25 09:27	BK			VTO15NYSVLL + GC
JE3522-6	EPA TO-3	09-JAN-25 21:22	WC			VTO3CH4

Internal Sample Tracking Chronicle

Paulus, Sokolowski and Sartor Inc

Edge on Hudson, Sleepy Hollow, NY

Job No: JE3522

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE3522-7	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP04 INDOOR						
JE3522-7	TO-15	09-JAN-25 06:45	BK			VTO15NYLL + GC
JE3522-7	EPA TO-3	09-JAN-25 22:05	WC			VTO3CH4
JE3522-8	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP04 SUBSLAB						
JE3522-8	TO-15	09-JAN-25 10:07	BK			VTO15NYSVLL + GC
JE3522-8	EPA TO-3	09-JAN-25 23:24	WC			VTO3CH4
JE3522-9	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP05 INDOOR						
JE3522-9	TO-15	09-JAN-25 07:30	BK			VTO15NYLL + GC
JE3522-9	EPA TO-3	10-JAN-25 00:03	WC			VTO3CH4
JE3522-10	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP05 SUBSLAB						
JE3522-10	TO-15	09-JAN-25 10:46	BK			VTO15NYSVLL + GC
JE3522-10	TO-15	09-JAN-25 14:58	BK			VTO15NYSVLL + GC
JE3522-10	EPA TO-3	10-JAN-25 00:44	WC			VTO3CH4
JE3522-11	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP06 INDOOR						
JE3522-11	EPA TO-3	06-JAN-25 15:00	WC			VTO3CH4
JE3522-12	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP06 SUBSLAB						
JE3522-12	EPA TO-3	06-JAN-25 15:40	WC			VTO3CH4
JE3522-13	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP07 INDOOR						
JE3522-13	EPA TO-3	06-JAN-25 16:19	WC			VTO3CH4

Internal Sample Tracking Chronicle

Paulus, Sokolowski and Sartor Inc

Edge on Hudson, Sleepy Hollow, NY

Job No: JE3522

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE3522-14	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124VP07 SUBSLAB						
JE3522-14	EPA TO-3	06-JAN-25 16:55	WC			VTO3CH4
JE3522-15	Collected: 31-DEC-24 12:30 By: RA		Received: 31-DEC-24 By: JR			
123124 OUTDOOR						
JE3522-15	EPA TO-3	06-JAN-25 17:38	WC			VTO3CH4

SGS Internal Chain of Custody

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Received: 12/31/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE3522-1.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-1.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-2.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-2.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-3.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-3.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-4.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-4.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-5.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-5.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-6.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-6.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-7.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-7.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-8.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-8.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-9.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-9.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-10.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-10.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-11.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-11.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage

SGS Internal Chain of Custody

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Received: 12/31/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE3522-12.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-12.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-13.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-13.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-14.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-14.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-15.1	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage
JE3522-15.2	Joshua Reitan	Secured Storage	12/31/24 19:02	Return to Storage

METHODREF	LOGINNUM	DATE RECALC	INSTRUME	PARM_STORED	PARM_SYN	MDLVALUE CURRENT	RDL	UNITS
TO-15	JD57260	5/22/2024	GCMS8W	120-82-1	1,2,4-Trichlorobenzene	0.121	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	541-73-1	m-Dichlorobenzene	0.132	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	91-20-3	Naphthalene	0.127	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	127-18-4	Tetrachloroethylene	0.014	0.04	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	79-01-6	Trichloroethylene	0.019	0.04	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	630-20-6	1,1,1,2-Tetrachloroethane	0.042	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	71-55-6	1,1,1-Trichloroethane	0.078	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	79-34-5	1,1,2,2-Tetrachloroethane	0.048	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	79-00-5	1,1,2-Trichloroethane	0.038	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-34-3	1,1-Dichloroethane	0.057	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-35-4	1,1-Dichloroethylene	0.059	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	96-18-4	1,2,3-Trichloropropane	0.050	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	526-73-8	1,2,3-Trimethylbenzene	0.099	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-63-6	1,2,4-Trimethylbenzene	0.087	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-93-4	1,2-Dibromoethane (EDB)	0.030	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-06-2	1,2-Dichloroethane	0.070	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	78-87-5	1,2-Dichloropropane	0.062	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-67-8	1,3,5-Trimethylbenzene	0.080	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-99-0	1,3-Butadiene	0.084	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	142-28-9	1,3-Dichloropropane	0.057	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	123-91-1	1,4-Dioxane	0.048	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	540-84-1	2,2,4-Trimethylpentane	0.040	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	565-59-3	2,3-Dimethylpentane	0.036	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-08-7	2,4-Dimethylpentane	0.048	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-49-8	2-Chlorotoluene	0.072	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	591-78-6	2-Hexanone	0.145	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-05-1	3-Chloropropene	0.083	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	622-96-8	4-Ethyltoluene	0.095	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	67-64-1	Acetone (2-Propanone)	0.145	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-05-8	Acetonitrile	0.171	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-02-8	Acrolein	0.088	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-13-1	Acrylonitrile	0.091	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	71-43-2	Benzene	0.047	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	100-44-7	Benzyl Chloride	0.125	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-86-1	Bromobenzene	0.055	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-27-4	Bromodichloromethane	0.030	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	593-60-2	Bromoethene	0.061	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-25-2	Bromoform	0.071	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-83-9	Bromomethane	0.069	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-15-0	Carbon disulfide	0.045	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	56-23-5	Carbon tetrachloride	0.040	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-90-7	Chlorobenzene	0.074	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-45-6	Chlorodifluoromethane	0.106	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-00-3	Chloroethane	0.068	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	67-66-3	Chloroform	0.037	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-87-3	Chloromethane	0.090	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	79-38-9	Chlorotrifluoroethene	0.059	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	156-59-2	cis-1,2-Dichloroethylene	0.030	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	10061-01-5	cis-1,3-Dichloropropene	0.062	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	110-82-7	Cyclohexane	0.045	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	124-48-1	Dibromochloromethane	0.052	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-95-3	Dibromomethane	0.053	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-71-8	Dichlorodifluoromethane	0.104	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-43-4	Dichlorofluoromethane	0.066	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-20-3	Di-Isopropyl ether	0.082	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	64-17-5	Ethanol	0.394	0.5	ppbv

TO-15	JD57260	5/22/2024	GCMS7W	141-78-6	Ethyl Acetate	0.104	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	140-88-5	Ethyl Acrylate	0.105	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	100-41-4	Ethylbenzene	0.061	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	76-13-1	Freon 113	0.031	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	76-14-2	Freon 114	0.050	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	306-83-2	Freon 123	0.035	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	354-23-4	Freon 123A	0.082	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-68-3	Freon 142B	0.070	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-37-6	Freon 152A	0.060	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	142-82-5	Heptane	0.091	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	87-68-3	Hexachlorobutadiene	0.062	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	67-72-1	Hexachloroethane	0.082	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	110-54-3	Hexane	0.052	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-88-4	Iodomethane	0.037	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	67-63-0	Isopropyl Alcohol	0.141	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	98-82-8	Isopropylbenzene	0.064	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	M,P-XYLENE	m,p-Xylene	0.139	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	78-93-3	Methyl ethyl ketone	0.110	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-10-1	Methyl Isobutyl Ketone	0.073	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	1634-04-4	Methyl Tert Butyl Ether	0.080	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-09-2	Methylene chloride	0.133	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	80-62-6	Methylmethacrylate	0.070	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-97-8	n-Butane	0.106	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	104-51-8	n-Butylbenzene	0.106	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	111-84-2	Nonane	0.100	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	103-65-1	n-Propylbenzene	0.091	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	111-65-9	Octane	0.120	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-50-1	o-Dichlorobenzene	0.069	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-47-6	o-Xylene	0.077	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-46-7	p-Dichlorobenzene	0.079	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	109-66-0	Pentane	0.138	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	99-87-6	p-Isopropyltoluene	0.080	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	115-07-1	Propylene	0.142	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	135-98-8	sec-Butylbenzene	0.081	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	100-42-5	Styrene	0.053	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	98-06-6	tert-Butylbenzene	0.083	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-65-0	Tertiary Butyl Alcohol	0.093	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	109-99-9	Tetrahydrofuran	0.090	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-88-3	Toluene	0.057	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	156-60-5	trans-1,2-Dichloroethylene	0.028	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	10061-02-6	trans-1,3-Dichloropropene	0.101	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-69-4	Trichlorofluoromethane	0.154	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	C AS EQUIV PENT	TVHC As Equiv Pentane	0.136	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-05-4	Vinyl Acetate	0.112	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-01-4	Vinyl chloride	0.069	0.2	ppbv

MS Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W415-MB	7W11575.D	1	01/08/25	BK	n/a	n/a	V7W415

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-1, JE3522-3, JE3522-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W415-MB	7W11575.D	1	01/08/25	BK	n/a	n/a	V7W415

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-1, JE3522-3, JE3522-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W415-MB	7W11575.D	1	01/08/25	BK	n/a	n/a	V7W415

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-1, JE3522-3, JE3522-5

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	97%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.58	2.6	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W416-MB	7W11601.D	1	01/09/25	BK	n/a	n/a	V7W416

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-2, JE3522-3, JE3522-4, JE3522-5, JE3522-6, JE3522-7, JE3522-8, JE3522-9, JE3522-10

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W416-MB	7W11601.D	1	01/09/25	BK	n/a	n/a	V7W416

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-2, JE3522-3, JE3522-4, JE3522-5, JE3522-6, JE3522-7, JE3522-8, JE3522-9, JE3522-10

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W416-MB	7W11601.D	1	01/09/25	BK	n/a	n/a	V7W416

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-2, JE3522-3, JE3522-4, JE3522-5, JE3522-6, JE3522-7, JE3522-8, JE3522-9, JE3522-10

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.58	2.7	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W378-MB	7W10273.D	1	11/05/24	WC	n/a	n/a	V7W378

The QC reported here applies to the following samples: **Method:** TO-15

V7W378-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W378-MB	7W10273.D	1	11/05/24	WC	n/a	n/a	V7W378

The QC reported here applies to the following samples: **Method:** TO-15

V7W378-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W378-MB	7W10273.D	1	11/05/24	WC	n/a	n/a	V7W378

The QC reported here applies to the following samples: **Method:** TO-15

V7W378-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.61	7.7	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-MB	5W55706.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

V5W2133-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-MB	5W55706.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

V5W2133-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-MB	5W55706.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

V5W2133-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	110%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W415-BS	7W11572.D	1	01/07/25	BK	n/a	n/a	V7W415
V7W415-BSD	7W11573.D	1	01/07/25	BK	n/a	n/a	V7W415

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-1, JE3522-3, JE3522-5

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.6	93	9.5	92	1	70-130/30
106-99-0	1,3-Butadiene	10.8	12.2	113	12.3	114	1	70-130/30
71-43-2	Benzene	11	11.4	104	11.6	105	2	70-130/30
75-27-4	Bromodichloromethane	10.5	11.9	113	12.1	115	2	70-130/30
75-25-2	Bromoform	10.7	11.4	107	11.6	108	2	70-130/30
74-83-9	Bromomethane	10.5	11.3	108	11.3	108	0	70-130/30
593-60-2	Bromoethene	10.6	11.0	104	11.2	106	2	70-130/30
100-44-7	Benzyl Chloride	10.4	9.7	93	9.9	95	2	70-130/30
75-15-0	Carbon disulfide	10.6	12.3	116	12.3	116	0	70-130/30
108-90-7	Chlorobenzene	10.8	11.7	108	11.8	109	1	70-130/30
75-00-3	Chloroethane	10.4	12.2	117	12.2	117	0	70-130/30
67-66-3	Chloroform	10.8	11.7	108	11.9	110	2	70-130/30
74-87-3	Chloromethane	10.4	12.0	115	12.0	115	0	70-130/30
107-05-1	3-Chloropropene	10.5	11.2	107	11.3	108	1	70-130/30
95-49-8	2-Chlorotoluene	10.3	11.2	109	11.4	111	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.6	107	11.9	110	3	70-130/30
110-82-7	Cyclohexane	10.9	11.6	106	11.8	108	2	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.0	112	12.1	113	1	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.7	100	10.7	100	0	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.3	112	12.4	113	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	12.6	116	12.8	117	2	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.9	113	12.0	114	1	70-130/30
123-91-1	1,4-Dioxane	10.5	10.8	103	10.7	102	1	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	11.6	109	11.8	111	2	70-130/30
124-48-1	Dibromochloromethane	10.5	11.5	110	11.7	111	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	10.8	103	10.8	103	0	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.1	104	11.3	106	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.7	109	11.9	111	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.8	113	11.9	114	1	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.9	111	12.1	113	2	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.3	113	12.5	115	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	11.0	108	11.2	110	2	70-130/30
64-17-5	Ethanol	10.2	12.4	122	12.2	120	2	70-130/30
100-41-4	Ethylbenzene	11	11.3	103	11.5	105	2	70-130/30
141-78-6	Ethyl Acetate	10.8	11.8	109	12.1	112	3	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.1	111	12.2	112	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W415-BS	7W11572.D	1	01/07/25	BK	n/a	n/a	V7W415
V7W415-BSD	7W11573.D	1	01/07/25	BK	n/a	n/a	V7W415

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-1, JE3522-3, JE3522-5

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	11.0	104	11.1	105	1	70-130/30
76-14-2	Freon 114	11	12.4	113	12.5	114	1	70-130/30
142-82-5	Heptane	11	13.6	124	13.6	124	0	70-130/30
87-68-3	Hexachlorobutadiene	10.8	13.7	127	13.2	122	4	70-130/30
110-54-3	Hexane	10.8	11.6	107	11.7	108	1	70-130/30
591-78-6	2-Hexanone	10.6	10.4	98	10.5	99	1	70-130/30
67-63-0	Isopropyl Alcohol	10.6	12.0	113	12.0	113	0	70-130/30
75-09-2	Methylene chloride	10.5	10.6	101	10.6	101	0	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.6	107	11.5	106	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	11.9	110	11.9	110	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.1	103	11.3	105	2	70-130/30
80-62-6	Methylmethacrylate	10.9	11.3	104	11.3	104	0	70-130/30
115-07-1	Propylene	10.9	11.6	106	11.8	108	2	70-130/30
100-42-5	Styrene	11	12.3	112	12.4	113	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.4	106	11.6	107	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	12.4	114	12.4	114	0	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.7	109	11.8	110	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	13.3	122	13.4	123	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.6	115	12.6	115	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	12.2	112	12.3	113	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	12.9	119	12.8	119	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	11.0	111	11.1	112	1	70-130/30
127-18-4	Tetrachloroethylene	10.9	12.2	112	12.2	112	0	70-130/30
109-99-9	Tetrahydrofuran	10.5	11.7	111	12.0	114	3	70-130/30
108-88-3	Toluene	10.6	11.2	106	11.3	107	1	70-130/30
79-01-6	Trichloroethylene	10.5	11.6	110	11.6	110	0	70-130/30
75-69-4	Trichlorofluoromethane	10.6	11.7	110	11.7	110	0	70-130/30
75-01-4	Vinyl chloride	10.3	12.8	124	12.7	123	1	70-130/30
108-05-4	Vinyl Acetate	10.4	10.3	99	10.6	102	3	70-130/30
	m,p-Xylene	21.4	22.9	107	23.1	108	1	70-130/30
95-47-6	o-Xylene	10.9	11.7	107	11.7	107	0	70-130/30
1330-20-7	Xylenes (total)	32.3	34.6	107	34.8	108	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W415-BS	7W11572.D	1	01/07/25	BK	n/a	n/a	V7W415
V7W415-BSD	7W11573.D	1	01/07/25	BK	n/a	n/a	V7W415

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-1, JE3522-3, JE3522-5

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	103%	103%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W416-BS	7W11598.D	1	01/08/25	BK	n/a	n/a	V7W416
V7W416-BSD	7W11599.D	1	01/09/25	BK	n/a	n/a	V7W416

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-2, JE3522-3, JE3522-4, JE3522-5, JE3522-6, JE3522-7, JE3522-8, JE3522-9, JE3522-10

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.0	78	7.9	77	1	70-130/30
106-99-0	1,3-Butadiene	10.8	9.6	89	9.4	87	2	70-130/30
71-43-2	Benzene	11	11.3	103	11.2	102	1	70-130/30
75-27-4	Bromodichloromethane	10.5	11.8	112	11.8	112	0	70-130/30
75-25-2	Bromoform	10.7	11.8	110	11.7	109	1	70-130/30
74-83-9	Bromomethane	10.5	10.6	101	10.4	99	2	70-130/30
593-60-2	Bromoethene	10.6	10.4	98	10.3	97	1	70-130/30
100-44-7	Benzyl Chloride	10.4	10.5	101	10.4	100	1	70-130/30
75-15-0	Carbon disulfide	10.6	11.3	107	11.1	105	2	70-130/30
108-90-7	Chlorobenzene	10.8	11.4	106	11.4	106	0	70-130/30
75-00-3	Chloroethane	10.4	10.4	100	10.3	99	1	70-130/30
67-66-3	Chloroform	10.8	11.4	106	11.3	105	1	70-130/30
74-87-3	Chloromethane	10.4	9.2	88	8.8	85	4	70-130/30
107-05-1	3-Chloropropene	10.5	10.4	99	10.3	98	1	70-130/30
95-49-8	2-Chlorotoluene	10.3	11.1	108	11.2	109	1	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.4	106	11.4	106	0	70-130/30
110-82-7	Cyclohexane	10.9	11.6	106	11.6	106	0	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.2	105	11.1	104	1	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.1	94	10	93	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.4	113	12.3	112	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.6	106	11.4	105	2	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.2	107	11.1	106	1	70-130/30
123-91-1	1,4-Dioxane	10.5	10.8	103	10.7	102	1	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.9	103	10.7	101	2	70-130/30
124-48-1	Dibromochloromethane	10.5	11.6	110	11.6	110	0	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	10.3	98	10.1	96	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.2	105	11.1	104	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.6	108	11.6	108	0	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.6	112	11.7	113	1	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.7	109	11.8	110	1	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.1	111	12.2	112	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.9	107	10.9	107	0	70-130/30
64-17-5	Ethanol	10.2	9.4	92	9.2	90	2	70-130/30
100-41-4	Ethylbenzene	11	11.2	102	11.3	103	1	70-130/30
141-78-6	Ethyl Acetate	10.8	11.0	102	10.9	101	1	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.0	110	11.9	109	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W416-BS	7W11598.D	1	01/08/25	BK	n/a	n/a	V7W416
V7W416-BSD	7W11599.D	1	01/09/25	BK	n/a	n/a	V7W416

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-2, JE3522-3, JE3522-4, JE3522-5, JE3522-6, JE3522-7, JE3522-8, JE3522-9, JE3522-10

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	10.3	97	10.3	97	0	70-130/30
76-14-2	Freon 114	11	11.3	103	11.2	102	1	70-130/30
142-82-5	Heptane	11	11.5	105	11.4	104	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	13.2	122	13.5	125	2	70-130/30
110-54-3	Hexane	10.8	10.3	95	10.2	94	1	70-130/30
591-78-6	2-Hexanone	10.6	9.6	91	9.5	90	1	70-130/30
67-63-0	Isopropyl Alcohol	10.6	9.5	90	9.3	88	2	70-130/30
75-09-2	Methylene chloride	10.5	9.8	93	9.7	92	1	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.3	105	11.3	105	0	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.9	101	10.7	99	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.0	102	10.9	101	1	70-130/30
80-62-6	Methylmethacrylate	10.9	11.2	103	11.2	103	0	70-130/30
115-07-1	Propylene	10.9	9.8	90	9.8	90	0	70-130/30
100-42-5	Styrene	11	12.2	111	12.2	111	0	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.2	104	11.1	103	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	12.0	110	12.0	110	0	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.7	109	11.6	108	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	13.3	122	13.5	124	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.1	110	12.2	111	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	11.9	109	12.0	110	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	11.5	106	11.4	106	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	9.5	96	9.4	95	1	70-130/30
127-18-4	Tetrachloroethylene	10.9	12.4	114	12.5	115	1	70-130/30
109-99-9	Tetrahydrofuran	10.5	11.7	111	11.6	110	1	70-130/30
108-88-3	Toluene	10.6	11.2	106	11.2	106	0	70-130/30
79-01-6	Trichloroethylene	10.5	11.5	110	11.5	110	0	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10.9	103	10.7	101	2	70-130/30
75-01-4	Vinyl chloride	10.3	10.7	104	10.6	103	1	70-130/30
108-05-4	Vinyl Acetate	10.4	10.6	102	10.7	103	1	70-130/30
	m,p-Xylene	21.4	22.5	105	22.7	106	1	70-130/30
95-47-6	o-Xylene	10.9	11.5	106	11.5	106	0	70-130/30
1330-20-7	Xylenes (total)	32.3	34.0	105	34.2	106	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W416-BS	7W11598.D	1	01/08/25	BK	n/a	n/a	V7W416
V7W416-BSD	7W11599.D	1	01/09/25	BK	n/a	n/a	V7W416

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-2, JE3522-3, JE3522-4, JE3522-5, JE3522-6, JE3522-7, JE3522-8, JE3522-9, JE3522-10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	102%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W378-BS	7W10270.D	1	11/05/24	WC	n/a	n/a	V7W378
V7W378-BSD	7W10271.D	1	11/05/24	WC	n/a	n/a	V7W378

The QC reported here applies to the following samples: **Method:** TO-15

V7W378-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.7	94	9.3	90	4	70-130/30
106-99-0	1,3-Butadiene	10.8	10.4	96	10.0	93	4	70-130/30
71-43-2	Benzene	11	11.5	105	11.2	102	3	70-130/30
75-27-4	Bromodichloromethane	10.5	10.8	103	10.5	100	3	70-130/30
75-25-2	Bromoform	10.7	11.4	107	11.2	105	2	70-130/30
74-83-9	Bromomethane	10.5	9.4	90	9.2	88	2	70-130/30
593-60-2	Bromoethene	10.6	10.1	95	9.9	93	2	70-130/30
100-44-7	Benzyl Chloride	10.4	18.8	181* [a]	18.9	182* [a]	1	70-130/30
75-15-0	Carbon disulfide	10.6	9.0	85	8.8	83	2	70-130/30
108-90-7	Chlorobenzene	10.8	10.1	94	10.1	94	0	70-130/30
75-00-3	Chloroethane	10.4	10.2	98	10.0	96	2	70-130/30
67-66-3	Chloroform	10.8	10.6	98	10.3	95	3	70-130/30
74-87-3	Chloromethane	10.4	8.9	86	8.7	84	2	70-130/30
107-05-1	3-Chloropropene	10.5	9.0	86	8.8	84	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	9.8	95	9.7	94	1	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.6	107	11.4	106	2	70-130/30
110-82-7	Cyclohexane	10.9	11.4	105	11.2	103	2	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.3	115	12.0	112	2	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	9.5	89	9.5	89	0	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.4	104	11.2	102	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	10.4	95	10.1	93	3	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.9	113	11.6	110	3	70-130/30
123-91-1	1,4-Dioxane	10.5	11.0	105	10.6	101	4	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.1	95	9.8	92	3	70-130/30
124-48-1	Dibromochloromethane	10.5	11.0	105	10.9	104	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.0	105	10.4	99	6	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.2	105	11.0	103	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.2	114	12.0	112	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10	96	10	96	0	70-130/30
95-50-1	o-Dichlorobenzene	10.7	9.9	93	9.8	92	1	70-130/30
106-46-7	p-Dichlorobenzene	10.9	10.2	94	10.1	93	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.2	120	11.9	117	2	70-130/30
64-17-5	Ethanol	10.2	9.2	90	8.8	86	4	70-130/30
100-41-4	Ethylbenzene	11	10.2	93	10.1	92	1	70-130/30
141-78-6	Ethyl Acetate	10.8	11.8	109	11.5	106	3	70-130/30
622-96-8	4-Ethyltoluene	10.9	10.4	95	10.5	96	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W378-BS	7W10270.D	1	11/05/24	WC	n/a	n/a	V7W378
V7W378-BSD	7W10271.D	1	11/05/24	WC	n/a	n/a	V7W378

The QC reported here applies to the following samples: **Method:** TO-15

V7W378-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	9.1	86	9.1	86	0	70-130/30
76-14-2	Freon 114	11	9.9	90	9.8	89	1	70-130/30
142-82-5	Heptane	11	11.3	103	11.0	100	3	70-130/30
87-68-3	Hexachlorobutadiene	10.8	10.6	98	10.6	98	0	70-130/30
110-54-3	Hexane	10.8	11.1	103	10.8	100	3	70-130/30
591-78-6	2-Hexanone	10.6	10.1	95	9.8	92	3	70-130/30
67-63-0	Isopropyl Alcohol	10.6	9.5	90	9.1	86	4	70-130/30
75-09-2	Methylene chloride	10.5	8.6	82	8.3	79	4	70-130/30
78-93-3	Methyl ethyl ketone	10.8	12.0	111	11.7	108	3	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.8	100	10.5	97	3	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.9	110	11.7	108	2	70-130/30
80-62-6	Methylmethacrylate	10.9	12.0	110	11.7	107	3	70-130/30
115-07-1	Propylene	10.9	13.0	119	12.5	115	4	70-130/30
100-42-5	Styrene	11	10.8	98	10.7	97	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.2	104	10.9	101	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	10.5	96	10.3	94	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.3	106	11.1	104	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	10.2	94	10.0	92	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	10	91	10	91	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	10.2	94	10.1	93	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	11.8	109	11.5	106	3	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	9.0	91	8.8	89	2	70-130/30
127-18-4	Tetrachloroethylene	10.9	10.9	100	10.9	100	0	70-130/30
109-99-9	Tetrahydrofuran	10.5	11.9	113	11.7	111	2	70-130/30
108-88-3	Toluene	10.6	10.6	100	10.4	98	2	70-130/30
79-01-6	Trichloroethylene	10.5	10.5	100	10.4	99	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	9.2	87	9.0	85	2	70-130/30
75-01-4	Vinyl chloride	10.3	10.2	99	10.1	98	1	70-130/30
108-05-4	Vinyl Acetate	10.4	11.8	113	11.4	110	3	70-130/30
	m,p-Xylene	21.4	19.7	92	19.7	92	0	70-130/30
95-47-6	o-Xylene	10.9	10	92	9.9	91	1	70-130/30
1330-20-7	Xylenes (total)	32.3	29.7	92	29.6	92	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W378-BS	7W10270.D	1	11/05/24	WC	n/a	n/a	V7W378
V7W378-BSD	7W10271.D	1	11/05/24	WC	n/a	n/a	V7W378

The QC reported here applies to the following samples: **Method:** TO-15

V7W378-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	96%	96%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-BS	5W55701.D	1	12/17/24	TCH	n/a	n/a	V5W2133
V5W2133-BSD	5W55703.D	1	12/17/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

V5W2133-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	7.4	72	7.4	72	0	70-130/30
106-99-0	1,3-Butadiene	10.8	9.4	87	9.8	91	4	70-130/30
71-43-2	Benzene	11	11.9	108	12.3	112	3	70-130/30
75-27-4	Bromodichloromethane	10.5	12.1	115	12.4	118	2	70-130/30
75-25-2	Bromoform	10.7	14.7	137* [a]	14.7	137* [a]	0	70-130/30
74-83-9	Bromomethane	10.5	9.1	87	9.2	88	1	70-130/30
593-60-2	Bromoethene	10.6	9.9	93	10.1	95	2	70-130/30
100-44-7	Benzyl Chloride	10.4	11.1	107	11.0	106	1	70-130/30
75-15-0	Carbon disulfide	10.6	12.4	117	12.6	119	2	70-130/30
108-90-7	Chlorobenzene	10.8	9.9	92	10.1	94	2	70-130/30
75-00-3	Chloroethane	10.4	9.3	89	9.3	89	0	70-130/30
67-66-3	Chloroform	10.8	12.4	115	12.6	117	2	70-130/30
74-87-3	Chloromethane	10.4	9.5	91	10.1	97	6	70-130/30
107-05-1	3-Chloropropene	10.5	12.6	120	12.8	122	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	10.1	98	10.0	97	1	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.3	114	12.4	115	1	70-130/30
110-82-7	Cyclohexane	10.9	12.3	113	12.7	117	3	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.1	113	12.2	114	1	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.2	105	11.7	109	4	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.2	102	11.3	103	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	13.6	125	13.8	127	1	70-130/30
78-87-5	1,2-Dichloropropane	10.5	10.9	104	11.3	108	4	70-130/30
123-91-1	1,4-Dioxane	10.5	11.3	108	12.0	114	6	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	12.3	116	11.9	112	3	70-130/30
124-48-1	Dibromochloromethane	10.5	10.8	103	11.1	106	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.3	108	11.5	110	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.7	109	11.8	110	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.8	120	13.1	122	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.8	104	10.7	103	1	70-130/30
95-50-1	o-Dichlorobenzene	10.7	10.9	102	10.6	99	3	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.3	104	11.0	101	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.6	124	13.0	127	3	70-130/30
64-17-5	Ethanol	10.2	9.5	93	9.6	94	1	70-130/30
100-41-4	Ethylbenzene	11	11.8	107	11.9	108	1	70-130/30
141-78-6	Ethyl Acetate	10.8	14.0	130	14.4	133* [b]	3	70-130/30
622-96-8	4-Ethyltoluene	10.9	11.6	106	11.5	106	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-BS	5W55701.D	1	12/17/24	TCH	n/a	n/a	V5W2133
V5W2133-BSD	5W55703.D	1	12/17/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

V5W2133-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	12.8	121	12.9	122	1	70-130/30
76-14-2	Freon 114	11	10.8	98	11.2	102	4	70-130/30
142-82-5	Heptane	11	13.1	119	13.6	124	4	70-130/30
87-68-3	Hexachlorobutadiene	10.8	16.4	152* [a]	15.2	141* [a]	8	70-130/30
110-54-3	Hexane	10.8	12.4	115	12.6	117	2	70-130/30
591-78-6	2-Hexanone	10.6	12.8	121	13.2	125	3	70-130/30
67-63-0	Isopropyl Alcohol	10.6	11.8	111	11.2	106	5	70-130/30
75-09-2	Methylene chloride	10.5	10.6	101	11.1	106	5	70-130/30
78-93-3	Methyl ethyl ketone	10.8	14.2	131* [b]	14.4	133* [b]	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	12.8	119	13.1	121	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	13.3	123	13.5	125	1	70-130/30
80-62-6	Methylmethacrylate	10.9	13.3	122	13.7	126	3	70-130/30
115-07-1	Propylene	10.9	12.3	113	12.1	111	2	70-130/30
100-42-5	Styrene	11	12.0	109	12.1	110	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	12.3	114	12.5	116	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.3	104	11.5	106	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.6	108	11.9	111	3	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	14.3	131* [a]	13.0	119	10	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	11.7	106	11.7	106	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	11.3	104	11.3	104	0	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	12.0	111	12.4	115	3	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	12.0	121	12.5	126	4	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.9	109	12.0	110	1	70-130/30
109-99-9	Tetrahydrofuran	10.5	13.5	129	14.0	133* [b]	4	70-130/30
108-88-3	Toluene	10.6	11.3	107	11.5	108	2	70-130/30
79-01-6	Trichloroethylene	10.5	10.9	104	11.2	107	3	70-130/30
75-69-4	Trichlorofluoromethane	10.6	11.6	109	11.4	108	2	70-130/30
75-01-4	Vinyl chloride	10.3	9.6	93	10.1	98	5	70-130/30
108-05-4	Vinyl Acetate	10.4	12.3	118	12.6	121	2	70-130/30
	m,p-Xylene	21.4	21.7	101	22.0	103	1	70-130/30
95-47-6	o-Xylene	10.9	11.1	102	11.2	103	1	70-130/30
1330-20-7	Xylenes (total)	32.3	32.8	102	33.2	103	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-BS	5W55701.D	1	12/17/24	TCH	n/a	n/a	V5W2133
V5W2133-BSD	5W55703.D	1	12/17/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

V5W2133-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	100%	99%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.
(b) Outside in house control limits.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE3433-3DUP	7W11588.D	1	01/08/25	BK	n/a	n/a	V7W415
JE3433-3	7W11585.D	1	01/08/25	BK	n/a	n/a	V7W415

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-1, JE3522-3, JE3522-5

CAS No.	Compound	JE3433-3 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	5.9		5.7		3	25
106-99-0	1,3-Butadiene	0.20 U		ND		nc	25
71-43-2	Benzene	0.14	I	0.16	J	13	25
75-27-4	Bromodichloromethane	0.20 U		ND		nc	25
75-25-2	Bromoform	0.20 U		ND		nc	25
74-83-9	Bromomethane	0.20 U		ND		nc	25
593-60-2	Bromoethene	0.20 U		ND		nc	25
100-44-7	Benzyl Chloride	0.20 U		ND		nc	25
75-15-0	Carbon disulfide	0.20 U		ND		nc	25
108-90-7	Chlorobenzene	0.20 U		ND		nc	25
75-00-3	Chloroethane	0.20 U		ND		nc	25
67-66-3	Chloroform	0.20 U		ND		nc	25
74-87-3	Chloromethane	0.74		0.65		13	25
107-05-1	3-Chloropropene	0.20 U		ND		nc	25
95-49-8	2-Chlorotoluene	0.20 U		ND		nc	25
56-23-5	Carbon tetrachloride	0.20 U		ND		nc	25
110-82-7	Cyclohexane	0.20 U		ND		nc	25
75-34-3	1,1-Dichloroethane	0.20 U		ND		nc	25
75-35-4	1,1-Dichloroethylene	0.20 U		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	0.20 U		ND		nc	25
107-06-2	1,2-Dichloroethane	0.20 U		ND		nc	25
78-87-5	1,2-Dichloropropane	0.20 U		ND		nc	25
123-91-1	1,4-Dioxane	0.20 U		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.41		0.40		2	25
124-48-1	Dibromochloromethane	0.20 U		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	0.20 U		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	0.20 U		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	0.20 U		ND		nc	25
541-73-1	m-Dichlorobenzene	0.20 U		ND		nc	25
95-50-1	o-Dichlorobenzene	0.20 U		ND		nc	25
106-46-7	p-Dichlorobenzene	0.20 U		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	0.20 U		ND		nc	25
64-17-5	Ethanol	3.5		3.0		15	25
100-41-4	Ethylbenzene	0.20 U		ND		nc	25
141-78-6	Ethyl Acetate	1.2		1.4		15	25
622-96-8	4-Ethyltoluene	0.20 U		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE3433-3DUP	7W11588.D	1	01/08/25	BK	n/a	n/a	V7W415
JE3433-3	7W11585.D	1	01/08/25	BK	n/a	n/a	V7W415

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-1, JE3522-3, JE3522-5

CAS No.	Compound	JE3433-3 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	0.20 U		ND		nc	25
76-14-2	Freon 114	0.20 U		ND		nc	25
142-82-5	Heptane	0.20 U		ND		nc	25
87-68-3	Hexachlorobutadiene	0.20 U		ND		nc	25
110-54-3	Hexane	0.14	I	0.17	J	19	25
591-78-6	2-Hexanone	0.20 U		ND		nc	25
67-63-0	Isopropyl Alcohol	1.1		1.0		10	25
75-09-2	Methylene chloride	0.27		0.32		17	25
78-93-3	Methyl ethyl ketone	0.49		0.59		19	25
108-10-1	Methyl Isobutyl Ketone	0.20 U		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	0.20 U		ND		nc	25
80-62-6	Methylmethacrylate	0.20 U		ND		nc	25
115-07-1	Propylene	0.50 U		ND		nc	25
100-42-5	Styrene	0.20 U		ND		nc	25
71-55-6	1,1,1-Trichloroethane	0.20 U		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	0.20 U		ND		nc	25
79-00-5	1,1,2-Trichloroethane	0.20 U		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	0.20 U		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	0.20 U		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	0.20 U		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	0.20 U		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	0.16	I	0.18	J	12	25
127-18-4	Tetrachloroethylene	0.040 U		ND		nc	25
109-99-9	Tetrahydrofuran	0.20 U		ND		nc	25
108-88-3	Toluene	0.37		0.42		13	25
79-01-6	Trichloroethylene	0.040 U		ND		nc	25
75-69-4	Trichlorofluoromethane	0.22		0.21		5	25
75-01-4	Vinyl chloride	0.20 U		ND		nc	25
108-05-4	Vinyl Acetate	0.24		0.44		59* [a]	25
	m,p-Xylene	0.21		0.24		13	25
95-47-6	o-Xylene	0.20 U		0.099	J	200* [b]	25
1330-20-7	Xylenes (total)	0.21		0.34		47* [a]	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE3433-3DUP	7W11588.D	1	01/08/25	BK	n/a	n/a	V7W415
JE3433-3	7W11585.D	1	01/08/25	BK	n/a	n/a	V7W415

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-1, JE3522-3, JE3522-5

CAS No.	Surrogate Recoveries	DUP	JE3433-3	Limits
460-00-4	4-Bromofluorobenzene	103%	101%	65-128%

(a) Outside control limits.
(b) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE3196-3DUP	7W11618.D	1	01/09/25	BK	n/a	n/a	V7W416
JE3196-3	7W11617.D	1	01/09/25	BK	n/a	n/a	V7W416

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-2, JE3522-3, JE3522-4, JE3522-5, JE3522-6, JE3522-7, JE3522-8, JE3522-9, JE3522-10

CAS No.	Compound	JE3196-3 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	1.1		1.1		0	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	0.25		0.25		0	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	0.36		0.38		5	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.40		0.41		2	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	3.3		3.3		0	25
100-41-4	Ethylbenzene	ND		ND		nc	25
141-78-6	Ethyl Acetate	3.3		3.3		0	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE3196-3DUP	7W11618.D	1	01/09/25	BK	n/a	n/a	V7W416
JE3196-3	7W11617.D	1	01/09/25	BK	n/a	n/a	V7W416

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-2, JE3522-3, JE3522-4, JE3522-5, JE3522-6, JE3522-7, JE3522-8, JE3522-9, JE3522-10

CAS No.	Compound	JE3196-3 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	0.22		0.22		0	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	0.19	J	0.19	J	0	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	0.44		0.45		2	25
75-09-2	Methylene chloride	0.23		0.24		4	25
78-93-3	Methyl ethyl ketone	0.19	J	0.19	J	0	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	0.044		0.042		5	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	0.31		0.31		0	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-69-4	Trichlorofluoromethane	0.21		0.21		0	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	ND		ND		nc	25
95-47-6	o-Xylene	ND		ND		nc	25
1330-20-7	Xylenes (total)	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE3196-3DUP	7W11618.D	1	01/09/25	BK	n/a	n/a	V7W416
JE3196-3	7W11617.D	1	01/09/25	BK	n/a	n/a	V7W416

The QC reported here applies to the following samples: **Method:** TO-15

JE3522-2, JE3522-3, JE3522-4, JE3522-5, JE3522-6, JE3522-7, JE3522-8, JE3522-9, JE3522-10

CAS No.	Surrogate Recoveries	DUP	JE3196-3	Limits
460-00-4	4-Bromofluorobenzene	100%	100%	65-128%

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W378-SCC	7W10294.D	1	11/06/24	WC	n/a	n/a	V7W378

The QC reported here (Summa A1638) applies to the following samples: **Method:** TO-15

Batch CP12914 cleaned 10/30/24: JE3522-4(A2158)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W378-SCC	7W10294.D	1	11/06/24	WC	n/a	n/a	V7W378

The QC reported here (Summa A1638) applies to the following samples: **Method:** TO-15

Batch CP12914 cleaned 10/30/24: JE3522-4(A2158)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W378-SCC	7W10294.D	1	11/06/24	WC	n/a	n/a	V7W378

The QC reported here (Summa A1638) applies to the following samples: **Method:** TO-15

Batch CP12914 cleaned 10/30/24: JE3522-4(A2158)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	65-128%

Summa Cleaning Certification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-SCC	5W55709.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here (Summa A2150) applies to the following samples: **Method:** TO-15

Batch CP12948 cleaned 12/14/24: JE3522-1(A871), JE3522-3(A1334), JE3522-6(M026), JE3522-8(A1073), JE3522-10(A1166)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform [a]	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate [a]	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-SCC	5W55709.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here (Summa A2150) applies to the following samples: **Method:** TO-15

Batch CP12948 cleaned 12/14/24: JE3522-1(A871), JE3522-3(A1334), JE3522-6(M026), JE3522-8(A1073), JE3522-10(A1166)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene [a]	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone [a]	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene [a]	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran [a]	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-SCC	5W55709.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here (Summa A2150) applies to the following samples: **Method:** TO-15

Batch CP12948 cleaned 12/14/24: JE3522-1(A871), JE3522-3(A1334), JE3522-6(M026), JE3522-8(A1073), JE3522-10(A1166)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	107%	65-128%

(a) This compound in blank spike is outside in house QC limits bias high.

Summa Cleaning Certification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-SCC	5W55713.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here (Summa A1184) applies to the following samples: **Method:** TO-15

Batch CP12946 cleaned 12/13/24: JE3522-2(A2105), JE3522-5(A1285), JE3522-7(A1097), JE3522-9(M409)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-SCC	5W55713.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here (Summa A1184) applies to the following samples: **Method:** TO-15

Batch CP12946 cleaned 12/13/24: JE3522-2(A2105), JE3522-5(A1285), JE3522-7(A1097), JE3522-9(M409)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-SCC	5W55713.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here (Summa A1184) applies to the following samples: **Method:** TO-15

Batch CP12946 cleaned 12/13/24: JE3522-2(A2105), JE3522-5(A1285), JE3522-7(A1097), JE3522-9(M409)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	104%	65-128%

Instrument Performance Check (BFB)

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2125-BFB
Lab File ID: 5W55458.D
Instrument ID: GCMS5W
Injection Date: 12/09/24
Injection Time: 03:34

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	87907	21.0		Pass
75	30.0 - 66.0% of mass 95	218027	52.1		Pass
95	Base peak, 100% relative abundance	418581	100.0		Pass
96	5.0 - 9.0% of mass 95	28349	6.77		Pass
173	Less than 2.0% of mass 174	3695	0.88	(1.07) [a]	Pass
174	50.0 - 120.0% of mass 95	343765	82.1		Pass
175	4.0 - 9.01% of mass 174	26424	6.31	(7.69) [a]	Pass
176	93.0 - 101.0% of mass 174	334720	80.0	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	22512	5.38	(6.73) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2125-IC2125	5W55459.D	12/09/24	04:14	00:40	Initial cal 0.04
V5W2125-IC2125	5W55460.D	12/09/24	04:54	01:20	Initial cal 0.1
V5W2125-IC2125	5W55461.D	12/09/24	05:35	02:01	Initial cal 0.2
V5W2125-IC2125	5W55463.D	12/09/24	06:59	03:25	Initial cal 0.5
V5W2125-IC2125	5W55464.D	12/09/24	07:45	04:11	Initial cal 5
V5W2125-ICC2125	5W55466.D	12/09/24	09:03	05:29	Initial cal 10
V5W2125-IC2125	5W55467.D	12/09/24	09:45	06:11	Initial cal 20
V5W2125-IC2125	5W55468.D	12/09/24	10:29	06:55	Initial cal 40
V5W2125-IC2125	5W55469.D	12/09/24	11:14	07:40	Initial cal 50
V5W2125-ICV2125	5W55473.D	12/09/24	13:55	10:21	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2133-BFB
Lab File ID: 5W55699.D
Instrument ID: GCMS5W
Injection Date: 12/17/24
Injection Time: 19:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	105096	23.2		Pass
75	30.0 - 66.0% of mass 95	264789	58.6		Pass
95	Base peak, 100% relative abundance	452053	100.0		Pass
96	5.0 - 9.0% of mass 95	29944	6.62		Pass
173	Less than 2.0% of mass 174	2112	0.47	(0.43) [a]	Pass
174	50.0 - 120.0% of mass 95	488917	108.2		Pass
175	4.0 - 9.01% of mass 174	38499	8.52	(7.87) [a]	Pass
176	93.0 - 101.0% of mass 174	492928	109.0	(100.8) [a]	Pass
177	5.0 - 9.0% of mass 176	32312	7.15	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2133-CC2125	5W55700.D	12/17/24	20:32	00:40	Continuing cal 10
V5W2133-BS	5W55701.D	12/17/24	21:13	01:21	Blank Spike
V5W2133-BSD	5W55703.D	12/17/24	22:35	02:43	Blank Spike Duplicate
V5W2133-MB	5W55706.D	12/18/24	00:51	04:59	Method Blank
V5W2133-SCC	5W55707.D	12/18/24	01:36	05:44	Summa Cleaning Certification
V5W2133-SCC	5W55709.D	12/18/24	03:08	07:16	Summa Cleaning Certification
V5W2133-SCC	5W55712.D	12/18/24	05:29	09:37	Summa Cleaning Certification
V5W2133-SCC	5W55713.D	12/18/24	06:16	10:24	Summa Cleaning Certification
V5W2133-SCC	5W55714.D	12/18/24	07:02	11:10	Summa Cleaning Certification
JE2488-2	5W55716.D	12/18/24	08:40	12:48	(used for QC only; not part of job JE3522)
JE2488-2DUP	5W55717.D	12/18/24	09:29	13:37	Duplicate
ZZZZZZ	5W55721.D	12/18/24	12:42	16:50	(unrelated sample)
ZZZZZZ	5W55722.D	12/18/24	13:30	17:38	(unrelated sample)
ZZZZZZ	5W55724.D	12/18/24	14:59	19:07	(unrelated sample)
ZZZZZZ	5W55725.D	12/18/24	15:40	19:48	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample:	V7W305-BFB	**Injection Date:**	08/18/24
Lab File ID:	7W07974.D	**Injection Time:**	21:06
Instrument ID:	GCMS7W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	20443	24.4		Pass
75	30.0 - 66.0% of mass 95	43320	51.7		Pass
95	Base peak, 100% relative abundance	83736	100.0		Pass
96	5.0 - 9.0% of mass 95	5915	7.06		Pass
173	Less than 2.0% of mass 174	627	0.75	(1.02) [a]	Pass
174	50.0 - 120.0% of mass 95	61525	73.5		Pass
175	4.0 - 9.01% of mass 174	4526	5.41	(7.36) [a]	Pass
176	93.0 - 101.0% of mass 174	58768	70.2	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3856	4.60	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W305-IC305	7W07975.D	08/18/24	21:40	00:34	Initial cal 0.04
V7W305-IC305	7W07976.D	08/18/24	22:13	01:07	Initial cal 0.10
V7W305-IC305	7W07977.D	08/18/24	22:49	01:43	Initial cal 0.20
V7W305-IC305	7W07978.D	08/18/24	23:22	02:16	Initial cal 0.50
V7W305-IC305	7W07979.D	08/19/24	00:01	02:55	Initial cal 5
V7W305-ICC305	7W07980.D	08/19/24	00:35	03:29	Initial cal 10
V7W305-IC305	7W07981.D	08/19/24	01:10	04:04	Initial cal 20
V7W305-IC305	7W07982.D	08/19/24	01:48	04:42	Initial cal 40
V7W305-IC305	7W07983.D	08/19/24	02:28	05:22	Initial cal 50
V7W305-ICV305	7W07990.D	08/19/24	06:28	09:22	Initial cal verification 10
V7W306-BS	7W07991.D	08/19/24	07:07	10:01	Blank Spike
V7W306-BSD	7W07992.D	08/19/24	07:40	10:34	Blank Spike Duplicate
V7W306-MB	7W07996.D	08/19/24	10:30	13:24	Method Blank
ZZZZZZ	7W07997.D	08/19/24	11:04	13:58	(unrelated sample)
ZZZZZZ	7W07998.D	08/19/24	11:39	14:33	(unrelated sample)
ZZZZZZ	7W07999.D	08/19/24	12:15	15:09	(unrelated sample)
JD93469-1	7W08000.D	08/19/24	12:50	15:44	(used for QC only; not part of job JE3522)
JD93469-1DUP	7W08001.D	08/19/24	13:26	16:20	Duplicate
ZZZZZZ	7W08002.D	08/19/24	14:07	17:01	(unrelated sample)
ZZZZZZ	7W08003.D	08/19/24	14:50	17:44	(unrelated sample)
ZZZZZZ	7W08004.D	08/19/24	15:30	18:24	(unrelated sample)
ZZZZZZ	7W08005.D	08/19/24	16:05	18:59	(unrelated sample)
ZZZZZZ	7W08006.D	08/19/24	16:46	19:40	(unrelated sample)
ZZZZZZ	7W08007.D	08/19/24	17:31	20:25	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample:	V7W305-BFB	**Injection Date:**	08/18/24
Lab File ID:	7W07974.D	**Injection Time:**	21:06
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	7W08008.D	08/19/24	18:11	21:05	(unrelated sample)
ZZZZZZ	7W08009.D	08/19/24	18:52	21:46	(unrelated sample)
ZZZZZZ	7W08010.D	08/19/24	20:04	22:58	(unrelated sample)
ZZZZZZ	7W08011.D	08/19/24	20:43	23:37	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample:	V7W378-BFB	**Injection Date:**	11/05/24
Lab File ID:	7W10268.D	**Injection Time:**	08:58
Instrument ID:	GCMS7W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	12879	21.4		Pass
75	30.0 - 66.0% of mass 95	29744	49.3		Pass
95	Base peak, 100% relative abundance	60323	100.0		Pass
96	5.0 - 9.0% of mass 95	4026	6.67		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	47661	79.0		Pass
175	4.0 - 9.01% of mass 174	3392	5.62	(7.12) [a]	Pass
176	93.0 - 101.0% of mass 174	46992	77.9	(98.6) [a]	Pass
177	5.0 - 9.0% of mass 176	3201	5.31	(6.81) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W378-CC305	7W10269.D	11/05/24	09:53	00:55	Continuing cal 10
V7W378-BS	7W10270.D	11/05/24	10:29	01:31	Blank Spike
V7W378-BSD	7W10271.D	11/05/24	11:04	02:06	Blank Spike Duplicate
V7W378-MB	7W10273.D	11/05/24	12:25	03:27	Method Blank
ZZZZZZ	7W10274.D	11/05/24	13:14	04:16	(unrelated sample)
ZZZZZZ	7W10275.D	11/05/24	13:55	04:57	(unrelated sample)
V7W378-SCC	7W10279.D	11/05/24	16:27	07:29	Summa Cleaning Certification
ZZZZZZ	7W10280.D	11/05/24	17:08	08:10	(unrelated sample)
JD99425-2	7W10281.D	11/05/24	17:49	08:51	(used for QC only; not part of job JE3522)
JD99425-2DUP	7W10282.D	11/05/24	18:31	09:33	Duplicate
ZZZZZZ	7W10283.D	11/05/24	19:07	10:09	(unrelated sample)
ZZZZZZ	7W10284.D	11/05/24	19:43	10:45	(unrelated sample)
V7W378-SCC	7W10285.D	11/05/24	20:18	11:20	Summa Cleaning Certification
ZZZZZZ	7W10286.D	11/05/24	20:56	11:58	(unrelated sample)
ZZZZZZ	7W10290.D	11/05/24	23:20	14:22	(unrelated sample)
V7W378-SCC	7W10292.D	11/06/24	00:31	15:33	Summa Cleaning Certification
V7W378-SCC	7W10293.D	11/06/24	01:07	16:09	Summa Cleaning Certification
V7W378-SCC	7W10294.D	11/06/24	01:49	16:51	Summa Cleaning Certification
V7W378-SCC	7W10295.D	11/06/24	02:31	17:33	Summa Cleaning Certification
V7W378-SCC	7W10296.D	11/06/24	03:11	18:13	Summa Cleaning Certification
V7W378-SCC	7W10297.D	11/06/24	03:53	18:55	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W405-BFB
Lab File ID: 7W11232.D
Instrument ID: GCMS7W
Injection Date: 12/28/24
Injection Time: 08:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	32515	22.0		Pass
75	30.0 - 66.0% of mass 95	74333	50.3		Pass
95	Base peak, 100% relative abundance	147925	100.0		Pass
96	5.0 - 9.0% of mass 95	9647	6.52		Pass
173	Less than 2.0% of mass 174	1064	0.72	(0.95) [a]	Pass
174	50.0 - 120.0% of mass 95	111515	75.4		Pass
175	4.0 - 9.01% of mass 174	7970	5.39	(7.15) [a]	Pass
176	93.0 - 101.0% of mass 174	106229	71.8	(95.3) [a]	Pass
177	5.0 - 9.0% of mass 176	7045	4.76	(6.63) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W405-IC405	7W11233.D	12/28/24	09:16	00:36	Initial cal 0.04
V7W405-IC405	7W11234.D	12/28/24	09:53	01:13	Initial cal 0.10
V7W405-IC405	7W11235.D	12/28/24	10:32	01:52	Initial cal 0.20
V7W405-IC405	7W11237.D	12/28/24	11:51	03:11	Initial cal 0.50
V7W405-IC405	7W11238.D	12/28/24	12:34	03:54	Initial cal 5
V7W405-ICC405	7W11240.D	12/28/24	13:47	05:07	Initial cal 10
V7W405-IC405	7W11241.D	12/28/24	14:25	05:45	Initial cal 20
V7W405-IC405	7W11242.D	12/28/24	15:08	06:28	Initial cal 40
V7W405-IC405	7W11243.D	12/28/24	15:52	07:12	Initial cal 50
V7W405-ICV405	7W11247.D	12/28/24	18:36	09:56	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample:	V7W415-BFB	**Injection Date:**	01/07/25
Lab File ID:	7W11570.D	**Injection Time:**	20:52
Instrument ID:	GCMS7W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	35117	24.4		Pass
75	30.0 - 66.0% of mass 95	74984	52.1		Pass
95	Base peak, 100% relative abundance	143936	100.0		Pass
96	5.0 - 9.0% of mass 95	9388	6.52		Pass
173	Less than 2.0% of mass 174	832	0.58	(0.76) [a]	Pass
174	50.0 - 120.0% of mass 95	109941	76.4		Pass
175	4.0 - 9.01% of mass 174	7809	5.43	(7.10) [a]	Pass
176	93.0 - 101.0% of mass 174	105816	73.5	(96.2) [a]	Pass
177	5.0 - 9.0% of mass 176	6522	4.53	(6.16) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W415-CC405	7W11571.D	01/07/25	21:29	00:37	Continuing cal 10
V7W415-BS	7W11572.D	01/07/25	22:06	01:14	Blank Spike
V7W415-BSD	7W11573.D	01/07/25	22:43	01:51	Blank Spike Duplicate
V7W415-MB	7W11575.D	01/08/25	00:11	03:19	Method Blank
V7W415-SCC	7W11579.D	01/08/25	02:59	06:07	Summa Cleaning Certification
ZZZZZZ	7W11580.D	01/08/25	03:38	06:46	(unrelated sample)
ZZZZZZ	7W11581.D	01/08/25	04:23	07:31	(unrelated sample)
ZZZZZZ	7W11583.D	01/08/25	05:50	08:58	(unrelated sample)
ZZZZZZ	7W11584.D	01/08/25	06:34	09:42	(unrelated sample)
JE3433-3	7W11585.D	01/08/25	07:18	10:26	(used for QC only; not part of job JE3522)
JE3433-3DUP	7W11588.D	01/08/25	15:57	19:05	Duplicate
ZZZZZZ	7W11589.D	01/08/25	16:34	19:42	(unrelated sample)
JE3522-1	7W11591.D	01/08/25	18:06	21:14	123124VP01 INDOOR
JE3522-3	7W11592.D	01/08/25	18:52	22:00	123124VP02 INDOOR
JE3522-5	7W11593.D	01/08/25	19:37	22:45	123124VP03 INDOOR
ZZZZZZ	7W11594.D	01/08/25	20:22	23:30	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample:	V7W416-BFB	**Injection Date:**	01/08/25
Lab File ID:	7W11596.D	**Injection Time:**	22:20
Instrument ID:	GCMS7W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	30323	20.8		Pass
75	30.0 - 66.0% of mass 95	74131	50.9		Pass
95	Base peak, 100% relative abundance	145536	100.0		Pass
96	5.0 - 9.0% of mass 95	9612	6.60		Pass
173	Less than 2.0% of mass 174	298	0.20	(0.26) [a]	Pass
174	50.0 - 120.0% of mass 95	113848	78.2		Pass
175	4.0 - 9.01% of mass 174	8258	5.67	(7.25) [a]	Pass
176	93.0 - 101.0% of mass 174	109339	75.1	(96.0) [a]	Pass
177	5.0 - 9.0% of mass 176	7152	4.91	(6.54) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W416-CC405	7W11597.D	01/08/25	22:56	00:36	Continuing cal 10
V7W416-BS	7W11598.D	01/08/25	23:34	01:14	Blank Spike
V7W416-BSD	7W11599.D	01/09/25	00:11	01:51	Blank Spike Duplicate
V7W416-MB	7W11601.D	01/09/25	01:38	03:18	Method Blank
V7W416-SCC	7W11603.D	01/09/25	03:05	04:45	Summa Cleaning Certification
V7W416-SCC	7W11604.D	01/09/25	03:48	05:28	Summa Cleaning Certification
V7W416-SCC	7W11605.D	01/09/25	04:32	06:12	Summa Cleaning Certification
JE3522-7	7W11608.D	01/09/25	06:45	08:25	123124VP04 INDOOR
JE3522-9	7W11609.D	01/09/25	07:30	09:10	123124VP05 INDOOR
JE3522-2	7W11610.D	01/09/25	08:10	09:50	123124VP01 SUBSLAB
JE3522-4	7W11611.D	01/09/25	08:48	10:28	123124VP02 SUBSLAB
JE3522-6	7W11612.D	01/09/25	09:27	11:07	123124VP03 SUBSLAB
JE3522-8	7W11613.D	01/09/25	10:07	11:47	123124VP04 SUBSLAB
JE3522-10	7W11614.D	01/09/25	10:46	12:26	123124VP05 SUBSLAB
JE3522-3	7W11615.D	01/09/25	11:26	13:06	123124VP02 INDOOR
JE3522-5	7W11616.D	01/09/25	12:07	13:47	123124VP03 INDOOR
JE3196-3	7W11617.D	01/09/25	12:51	14:31	(used for QC only; not part of job JE3522)
JE3196-3DUP	7W11618.D	01/09/25	13:36	15:16	Duplicate
ZZZZZZ	7W11619.D	01/09/25	14:20	16:00	(unrelated sample)
JE3522-10	7W11620.D	01/09/25	14:58	16:38	123124VP05 SUBSLAB
ZZZZZZ	7W11621.D	01/09/25	15:38	17:18	(unrelated sample)
ZZZZZZ	7W11622.D	01/09/25	16:16	17:56	(unrelated sample)
ZZZZZZ	7W11623.D	01/09/25	16:56	18:36	(unrelated sample)
ZZZZZZ	7W11624.D	01/09/25	17:41	19:21	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample:	V7W416-BFB	**Injection Date:**	01/08/25
Lab File ID:	7W11596.D	**Injection Time:**	22:20
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	7W11625.D	01/09/25	18:25	20:05	(unrelated sample)
ZZZZZZ	7W11626.D	01/09/25	19:10	20:50	(unrelated sample)
ZZZZZZ	7W11627.D	01/09/25	19:56	21:36	(unrelated sample)
ZZZZZZ	7W11628.D	01/09/25	20:43	22:23	(unrelated sample)
ZZZZZZ	7W11629.D	01/09/25	21:29	23:09	(unrelated sample)
ZZZZZZ	7W11630.D	01/09/25	22:07	23:47	(unrelated sample)

Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	V5W2133-CC2125	**Injection Date:**	12/17/24
Lab File ID:	5W55700.D	**Injection Time:**	20:32
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	283490	7.67	1320983	9.83	829640	15.35
Upper Limit [a]	396886	8.00	1849376	10.16	1161496	15.68
Lower Limit [b]	170094	7.34	792590	9.50	497784	15.02

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2133-BS	313892	7.67	1454050	9.83	902926	15.35
V5W2133-BSD	319491	7.66	1462454	9.83	906713	15.34
V5W2133-MB	295908	7.66	1754729	9.83	953484	15.34
V5W2133-SCC	267595	7.66	1285097	9.83	733872	15.34
V5W2133-SCC	208981	7.66	1029779	9.83	606483	15.34
V5W2133-SCC	190751	7.66	939930	9.83	559452	15.34
V5W2133-SCC	188591	7.66	933317	9.83	548791	15.34
V5W2133-SCC	197470	7.66	973511	9.83	568347	15.34
JE2488-2	155758[c]	7.66	802815	9.83	500617	15.34
JE2488-2DUP	156769[d]	7.66	796945	9.83	502343	15.34
ZZZZZZ	201833	7.68	1009609	9.83	643332	15.34
ZZZZZZ	233544	7.70	1103107	9.85	630888	15.35
ZZZZZZ	245099	7.66	1200195	9.83	651740	15.34
ZZZZZZ	201759	7.66	999601	9.83	548542	15.34

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) Outside of in house control limits.
(d) Outside in house control limits.

Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	V7W378-CC305	**Injection Date:**	11/05/24
Lab File ID:	7W10269.D	**Injection Time:**	09:53
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	57442	3.27	291636	4.55	263262	10.12
Upper Limit [a]	80419	3.60	408290	4.88	368567	10.45
Lower Limit [b]	34465	2.94	174982	4.22	157957	9.79

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W378-BS	58524	3.27	295708	4.55	270851	10.12
V7W378-BSD	59343	3.27	299789	4.55	270470	10.12
V7W378-MB	62071	3.27	315105	4.55	281770	10.12
ZZZZZZ	59992	3.27	305154	4.55	272225	10.12
ZZZZZZ	58294	3.28	299608	4.55	271475	10.12
V7W378-SCC	59239	3.27	296629	4.55	265731	10.12
ZZZZZZ	55037	3.28	282303	4.56	259128	10.12
JD99425-2	56374	3.28	289879	4.55	268851	10.12
JD99425-2DUP	55570	3.28	287655	4.56	261706	10.12
ZZZZZZ	56217	3.28	294032	4.56	268281	10.12
ZZZZZZ	54318	3.29	290409	4.57	267528	10.13
V7W378-SCC	56437	3.27	291271	4.55	265549	10.12
ZZZZZZ	55066	3.28	283778	4.55	264579	10.12
ZZZZZZ	53264	3.27	277305	4.55	256008	10.12
V7W378-SCC	56737	3.27	288036	4.55	262724	10.12
V7W378-SCC	57499	3.27	295603	4.55	268988	10.12
V7W378-SCC	57134	3.27	290324	4.55	260271	10.12
V7W378-SCC	57431	3.27	294180	4.55	264401	10.12
V7W378-SCC	57303	3.27	291279	4.55	261784	10.12
V7W378-SCC	57249	3.28	290429	4.55	260562	10.12

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	V7W415-CC405	**Injection Date:**	01/07/25
Lab File ID:	7W11571.D	**Injection Time:**	21:29
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	130206	3.23	632316	4.49	600992	10.03
Upper Limit [a]	182288	3.56	885242	4.82	841389	10.36
Lower Limit [b]	78124	2.90	379390	4.16	360595	9.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W415-BS	131961	3.23	637583	4.50	610713	10.03
V7W415-BSD	132457	3.23	646743	4.49	617945	10.03
V7W415-MB	136449	3.23	666104	4.49	629238	10.03
V7W415-SCC	131634	3.23	635177	4.49	596110	10.03
ZZZZZZ	128265	3.24	624578	4.51	591337	10.04
ZZZZZZ	125814	3.24	608607	4.51	584840	10.04
ZZZZZZ	129226	3.23	628829	4.49	596664	10.03
ZZZZZZ	129708	3.23	636328	4.49	601308	10.03
JE3433-3	134717	3.23	655294	4.49	617365	10.03
JE3433-3DUP	111063	3.23	543160	4.49	515473	10.03
ZZZZZZ	116044	3.24	567410	4.51	544472	10.04
JE3522-1	116292	3.23	565443	4.49	544983	10.03
JE3522-3	116990	3.23	569875	4.50	548431	10.03
JE3522-5	116610	3.23	567374	4.49	545131	10.03
ZZZZZZ	117130	3.23	572033	4.50	544669	10.03

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	V7W416-CC405	**Injection Date:**	01/08/25
Lab File ID:	7W11597.D	**Injection Time:**	22:56
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	134205	3.23	647922	4.50	625647	10.03
Upper Limit [a]	187887	3.56	907091	4.83	875906	10.36
Lower Limit [b]	80523	2.90	388753	4.17	375388	9.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W416-BS	136469	3.23	659454	4.50	642337	10.03
V7W416-BSD	138151	3.23	664822	4.49	639822	10.03
V7W416-MB	141435	3.23	688445	4.49	651257	10.03
V7W416-SCC	137751	3.23	667284	4.49	634390	10.03
V7W416-SCC	139342	3.23	674124	4.50	640806	10.03
V7W416-SCC	137129	3.23	663690	4.49	628820	10.03
JE3522-7	136991	3.23	657648	4.50	622832	10.03
JE3522-9	134494	3.23	650916	4.49	614180	10.03
JE3522-2	127109	3.24	610398	4.51	593542	10.05
JE3522-4	133523	3.24	643041	4.51	613856	10.04
JE3522-6	137764	3.24	660940	4.51	628540	10.04
JE3522-8	133603	3.24	650007	4.51	622313	10.04
JE3522-10	135871	3.24	661806	4.51	631798	10.04
JE3522-3	138646	3.23	669910	4.50	632694	10.03
JE3522-5	139054	3.23	666464	4.50	635624	10.03
JE3196-3	139746	3.23	674047	4.49	632919	10.03
JE3196-3DUP	137657	3.23	664015	4.49	621483	10.03
ZZZZZZ	138480	3.23	670516	4.50	624991	10.03
JE3522-10	134148	3.24	654362	4.51	614577	10.04
ZZZZZZ	134333	3.24	648025	4.51	614276	10.04
ZZZZZZ	137224	3.24	663688	4.51	628547	10.04
ZZZZZZ	137009	3.23	656314	4.50	620346	10.03
ZZZZZZ	137060	3.23	661356	4.50	621309	10.03
ZZZZZZ	131958	3.23	637621	4.49	597592	10.03
ZZZZZZ	136014	3.23	653002	4.49	614351	10.03
ZZZZZZ	138425	3.24	662093	4.50	625013	10.04
ZZZZZZ	131000	3.24	630184	4.51	603562	10.04
ZZZZZZ	134699	3.25	652202	4.51	645352	10.04
ZZZZZZ	131713	3.24	632812	4.50	603459	10.04

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.

Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	V7W416-CC405	**Injection Date:**	01/08/25
Lab File ID:	7W11597.D	**Injection Time:**	22:56
Instrument ID:	GCMS7W	**Method:**	TO-15

Lab	IS 1		IS 2		IS 3	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,3-Butadiene	4.04	7.66	0.527	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoethene	4.63	7.66	0.604	ok	0.602	0.542-0.662
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.03	15.35	1.305	ok	1.304	1.244-1.364
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.37	7.66	0.570	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.66	1.020	ok	1.018	0.958-1.078
Chloromethane	3.78	7.66	0.493	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.66	0.743	ok	0.743	0.683-0.803
2-Chlorotoluene	18.56	15.35	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.83	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.66	0.717	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.85	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.03	9.83	1.326	ok	1.323	1.263-1.383
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.35	9.83	1.053	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.66	0.842	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.49	7.66	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.76	9.83	1.196	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.35	1.292	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.42	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.94	15.35	1.299	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.44	9.83	1.266	ok	1.263	1.203-1.323
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethylbenzene	15.97	15.35	1.040	ok	1.040	0.980-1.100
4-Ethyltoluene	18.89	15.35	1.231	ok	1.230	1.170-1.290

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.84	7.66	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.66	0.453	ok	0.452	0.392-0.512
Freon 123	4.74	7.66	0.619	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.76	7.66	0.491	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.04	9.83	1.123	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.66	0.731	ok	0.730	0.670-0.790
Methyl Tert Butyl Ether	6.81	7.66	0.889	ok	0.879	0.819-0.939
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.78	15.35	1.093	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.93	15.35	1.103	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.63	9.83	1.285	ok	1.283	1.223-1.343
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.66	7.66	0.739	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Toluene	12.98	9.83	1.320	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.66	0.646	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	339655	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1562017	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	815644	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	4.74	7.67	0.618	ok	0.615	0.555-0.675
Acetonitrile	4.65	7.67	0.606	ok	0.603	0.543-0.663
1,3-Butadiene	4.04	7.67	0.527	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.86	7.67	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.59	7.67	0.468	ok	0.467	0.407-0.527
Chloroethane	4.37	7.67	0.570	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.78	7.67	0.493	ok	0.492	0.432-0.552
3-Chloropropene	5.71	7.67	0.744	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.71	9.83	0.988	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.67	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.80	9.83	1.099	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.67	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.43	7.67	0.578	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.67	0.842	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.43	9.83	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.78	7.67	1.014	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.67	1.130	ok	1.130	1.070-1.190
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.83	7.67	1.021	ok	1.013	0.953-1.073
Ethyl Acrylate	10.50	9.83	1.068	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.83	7.67	0.760	ok	0.759	0.699-0.819
Freon 114	3.85	7.67	0.502	ok	0.501	0.441-0.561
Freon 115	3.47	7.67	0.452	ok	0.452	0.392-0.512
Freon 123	4.74	7.67	0.618	ok	0.617	0.557-0.677
Freon 123A	4.79	7.67	0.625	ok	0.623	0.563-0.683
Freon 142B	3.76	7.67	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.45	15.35	0.876	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.09	7.67	0.664	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.67	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.16	7.67	0.934	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.89	9.83	1.210	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.79	7.67	0.885	ok	0.879	0.819-0.939
Methylmethacrylate	10.99	9.83	1.118	ok	1.114	1.054-1.174
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.24	7.67	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.61	7.67	0.471	ok	0.469	0.409-0.529
Styrene	16.77	15.35	1.093	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.65	7.67	0.737	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.37	7.67	1.091	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.67	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	333430	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1533309	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	804190	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.86	7.66	0.634	ok	0.630	0.570-0.690
Acrolein	4.73	7.66	0.617	ok	0.615	0.555-0.675
Acrylonitrile	5.22	7.66	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.64	7.66	0.606	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.66	0.526	ok	0.526	0.466-0.586
Benzene	9.39	9.83	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.66	0.552	ok	0.551	0.491-0.611
Bromoethene	4.62	7.66	0.603	ok	0.602	0.542-0.662
n-Butane	4.07	7.66	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.36	7.66	0.569	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.80	7.66	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.66	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.66	0.744	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.66	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.78	9.83	1.097	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.66	0.843	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.66	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.43	9.83	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.77	7.66	1.014	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.81	7.66	1.020	ok	1.013	0.953-1.073
Ethyl Acrylate	10.48	9.83	1.066	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.85	7.66	0.503	ok	0.501	0.441-0.561
Freon 115	3.46	7.66	0.452	ok	0.452	0.392-0.512
Freon 123	4.74	7.66	0.619	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.75	7.66	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
2-Hexanone	13.43	15.35	0.875	ok	0.872	0.812-0.932
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.09	7.66	0.664	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.66	0.731	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.14	7.66	0.932	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.87	9.83	1.208	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.78	7.66	0.885	ok	0.879	0.819-0.939
Methylmethacrylate	10.98	9.83	1.117	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.76	15.35	1.092	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.64	7.66	0.736	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.34	7.66	1.089	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.66	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	6.84	7.66	0.893	ok	0.889	0.829-0.949
m,p-Xylene	16.24	15.35	1.058	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	334972	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1532765	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	812540	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.85	7.66	0.633	ok	0.630	0.570-0.690
Acrolein	4.73	7.66	0.617	ok	0.615	0.555-0.675
Acrylonitrile	5.22	7.66	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.63	7.66	0.604	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.66	0.526	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.66	0.552	ok	0.551	0.491-0.611
Bromoethene	4.62	7.66	0.603	ok	0.602	0.542-0.662
n-Butane	4.07	7.66	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.36	7.66	0.569	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.80	7.66	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.66	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.66	0.743	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.66	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.83	15.35	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.75	9.83	1.094	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.66	0.843	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.66	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.42	9.83	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.75	7.66	1.012	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethanol	4.48	7.66	0.585	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.79	7.66	1.017	ok	1.013	0.953-1.073
Ethyl Acrylate	10.46	9.83	1.064	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.84	7.66	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.66	0.453	ok	0.452	0.392-0.512
Freon 123	4.73	7.66	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.75	7.66	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
2-Hexanone	13.41	15.35	0.874	ok	0.872	0.812-0.932
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.08	7.66	0.663	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.59	7.66	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.11	7.66	0.928	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.85	9.83	1.205	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.76	7.66	0.883	ok	0.879	0.819-0.939
Methylmethacrylate	10.97	9.83	1.116	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.62	7.66	0.734	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.31	7.66	1.085	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.66	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	6.83	7.66	0.892	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	330769	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1512302	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	803446	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.83	7.67	0.630	ok	0.630	0.570-0.690
Acrolein	4.71	7.67	0.614	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.67	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.67	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.67	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.35	1.166	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.67	0.763	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.67	0.467	ok	0.467	0.407-0.527
Chloroethane	4.35	7.67	0.567	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.67	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.67	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.67	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.83	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.69	9.83	1.087	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.65	7.67	0.476	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.67	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.67	0.841	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.83	1.262	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.67	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.66	7.67	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.67	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.76	7.67	1.012	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.83	1.060	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.67	0.759	ok	0.759	0.699-0.819
Freon 114	3.84	7.67	0.501	ok	0.501	0.441-0.561
Freon 115	3.46	7.67	0.451	ok	0.452	0.392-0.512
Freon 123	4.73	7.67	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.67	0.623	ok	0.623	0.563-0.683
Freon 142B	3.75	7.67	0.489	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.37	15.35	0.871	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.04	7.67	0.657	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.26	15.35	1.320	ok	1.320	1.260-1.380
Methylene chloride	5.59	7.67	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.06	7.67	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.80	9.83	1.200	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.67	0.875	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.83	1.113	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.67	0.682	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.67	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.62	15.35	1.278	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.56	7.67	0.725	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.26	7.67	1.077	ok	1.079	1.019-1.139
Toluene	12.96	9.83	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.67	0.644	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.67	0.888	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	327920	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1483978	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	823417	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.67	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.67	0.614	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.67	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.67	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.67	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.67	0.763	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.67	0.467	ok	0.467	0.407-0.527
Chloroethane	4.35	7.67	0.567	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.67	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.67	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.67	0.716	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.83	1.323	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.83	1.085	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.67	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.67	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.67	0.841	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.83	1.262	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.67	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.67	1.130	ok	1.130	1.070-1.190
Ethanol	4.46	7.67	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.67	1.010	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.83	1.060	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.67	0.759	ok	0.759	0.699-0.819
Freon 114	3.84	7.67	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.67	0.452	ok	0.452	0.392-0.512
Freon 123	4.73	7.67	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.67	0.623	ok	0.623	0.563-0.683
Freon 142B	3.75	7.67	0.489	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.67	0.656	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.67	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.06	7.67	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.83	1.199	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.67	0.875	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.83	1.113	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.67	0.682	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.67	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.55	7.67	0.724	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.24	7.67	1.074	ok	1.079	1.019-1.139
Toluene	12.96	9.83	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.67	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.67	0.888	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	339202	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1511260	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	875250	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.68	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.68	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.68	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.84	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.84	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.23	7.68	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.68	0.530	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.68	0.466	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.68	0.470	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.68	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.84	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.68	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.83	15.35	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.84	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.84	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.84	1.084	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.68	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.68	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.84	1.051	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.68	0.840	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.84	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.84	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.68	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.84	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.41	9.84	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 115	3.47	7.68	0.452	ok	0.452	0.392-0.512
Freon 123	4.73	7.68	0.616	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.55	7.68	0.462	ok	0.463	0.403-0.523
Heptane	11.03	9.84	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.84	1.198	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.68	0.874	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.84	1.112	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.68	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.84	1.282	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.84	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.54	7.68	0.721	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.96	9.84	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.84	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.68	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.24	15.35	1.058	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	342882	ok	339251	203551-474951
1,4-Difluorobenzene	9.84	ok	9.83	9.50-10.16	1466721	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	922805	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.68	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.68	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.02	7.68	0.523	ok	0.526	0.466-0.586
Benzene	9.40	9.84	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.84	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.22	7.68	0.549	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.06	7.68	0.529	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.57	7.68	0.465	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.60	7.68	0.469	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.68	0.741	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.84	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.68	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.84	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.84	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.66	9.84	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.65	7.68	0.475	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.41	7.68	0.574	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.84	1.051	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.68	0.840	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.84	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.84	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.71	7.68	1.004	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.01	9.84	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.41	9.84	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 123	4.73	7.68	0.616	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.54	7.68	0.461	ok	0.463	0.403-0.523
Heptane	11.03	9.84	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.84	1.198	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.70	7.68	0.872	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.84	1.112	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.34	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.59	7.68	0.467	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.84	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.23	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.84	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.54	7.68	0.721	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.97	9.84	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.84	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.68	0.643	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.25	15.35	1.059	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	341329	ok	339251	203551-474951
1,4-Difluorobenzene	9.84	ok	9.83	9.50-10.16	1382725	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	1000073	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.21	7.68	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.68	0.525	ok	0.526	0.466-0.586
Benzene	9.41	9.85	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.62	9.85	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.23	7.68	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.68	0.530	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.03	15.35	1.305	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.68	0.466	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.68	0.470	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.68	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.71	9.85	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.68	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.85	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.85	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.85	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.68	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.68	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.85	1.050	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.68	0.841	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	11.74	9.85	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.35	1.292	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.94	15.35	1.299	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.42	9.85	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.68	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.01	9.85	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.85	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.89	15.35	1.231	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 123	4.74	7.68	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.55	7.68	0.462	ok	0.463	0.403-0.523
Heptane	11.04	9.85	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.85	1.197	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.68	0.874	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.85	1.111	ok	1.114	1.054-1.174
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.34	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.68	0.469	ok	0.469	0.409-0.529
Styrene	16.76	15.35	1.092	ok	1.092	1.032-1.152

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.85	1.281	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.23	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.25	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.70	9.85	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.55	7.68	0.723	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.97	9.85	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.66	9.85	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.68	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.25	15.35	1.059	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	363096	ok	339251	203551-474951
1,4-Difluorobenzene	9.85	ok	9.83	9.50-10.16	1435494	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	1087902	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.81	10.12	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.06	4.55	1.112	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.66	10.12	1.646	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.53	3.27	0.774	ok	0.771	0.711-0.831
Chlorobenzene	10.19	10.12	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.68	3.27	0.514	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.12	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.88	4.55	1.073	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.73	4.55	1.479	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.55	1.105	ok	1.103	1.043-1.163
4-Ethyltoluene	15.72	10.12	1.553	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.13	3.27	0.651	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.90	4.55	1.736	ok	1.729	1.669-1.789
Iodomethane	2.37	3.27	0.725	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.21	4.55	1.365	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.88	3.27	0.881	ok	0.877	0.817-0.937
Methylmethacrylate	5.45	4.55	1.198	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.31	3.27	0.706	ok	0.704	0.644-0.764
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.20	10.12	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.60	3.27	1.101	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.91	3.27	0.890	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.43	10.12	1.228	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.31	10.12	0.228	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	86358	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	435174	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	379594	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.10	3.27	0.642	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.81	10.12	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.31	10.12	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.12	1.668	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.74	3.27	0.532	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.24	4.55	1.152	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.68	4.55	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.35	3.27	1.024	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.55	1.105	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.73	3.27	0.529	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.89	4.55	1.734	ok	1.729	1.669-1.789
Iodomethane	2.37	3.27	0.725	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.21	4.55	1.365	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

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V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.29	10.12	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.73	10.12	1.258	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.21	4.55	1.145	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.59	3.27	1.098	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	83993	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	426374	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	372534	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

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Project: Edge on Hudson, Sleepy Hollow, NY

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V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.06	3.27	0.630	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.06	4.55	1.112	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.22	4.55	1.147	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
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V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.68	4.55	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.55	1.103	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.89	4.55	1.734	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.12	1.687	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.22	4.55	1.367	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
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Project: Edge on Hudson, Sleepy Hollow, NY

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V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.12	1.513	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.58	3.27	1.095	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.91	3.27	0.890	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.45	10.12	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	81591	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	417480	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	367012	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.13	4.55	1.787	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.21	4.55	1.145	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.55	1.103	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.64	3.27	0.502	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.88	4.55	1.732	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.95	10.12	1.378	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.20	4.55	1.363	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.20	10.12	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.21	4.55	1.145	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.44	3.27	0.746	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.58	3.27	1.095	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.18	3.27	0.667	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	79966	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	410941	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	362110	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.16	4.55	1.134	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.73	4.55	1.479	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.73	3.27	0.529	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.86	4.55	1.727	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.95	10.12	1.378	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.22	3.27	0.679	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.18	4.55	1.358	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.43	3.27	0.743	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.56	3.27	1.089	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	81466	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	410025	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	361102	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.15	4.55	1.132	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.18	4.55	1.358	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.42	3.27	0.740	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.56	3.27	1.089	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	76492	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	388370	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	349697	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.83	10.12	1.367	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.12	1.668	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.12	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.12	1.685	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.12	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.12	1.687	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
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Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
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V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.12	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.45	10.12	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	78951	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	399337	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	358279	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

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V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.83	10.13	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.33	10.13	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.13	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.13	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.13	1.666	ok	1.667	1.607-1.727
tert-Butylbenzene	16.58	10.13	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.21	10.13	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.13	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.33	4.55	1.611	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

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Project: Edge on Hudson, Sleepy Hollow, NY

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V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.13	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.13	1.683	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.74	10.13	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.13	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.13	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.13	1.842	ok	1.843	1.783-1.903
Hexachloroethane	17.61	10.13	1.738	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.97	10.13	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.13	1.685	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.13	1.816	ok	1.818	1.758-1.878
Nonane	13.58	10.13	1.341	ok	1.340	1.280-1.400
Octane	9.15	4.55	2.011	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.13	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.24	10.13	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.13	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.13	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.13	1.811	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.75	10.13	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	17.00	10.13	1.678	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.59	10.13	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.01	10.13	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.13	4.55	1.127	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.52	10.13	1.137	ok	1.137	1.077-1.197
o-Xylene	12.45	10.13	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.13	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	77284	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	380992	ok	406483	243890-569076
Chlorobenzene-D5	10.13	ok	10.12	9.79-10.45	341287	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.84	10.13	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.33	10.13	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.13	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.13	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.13	1.666	ok	1.667	1.607-1.727
tert-Butylbenzene	16.58	10.13	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.21	10.13	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.35	3.27	1.024	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.97	10.13	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.33	4.55	1.611	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.86	4.55	1.068	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.13	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.13	1.683	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.74	10.13	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.13	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.76	10.13	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.13	1.842	ok	1.843	1.783-1.903
Hexachloroethane	17.61	10.13	1.738	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.97	10.13	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.13	1.685	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.13	1.816	ok	1.818	1.758-1.878
Nonane	13.58	10.13	1.341	ok	1.340	1.280-1.400
Octane	9.15	4.55	2.011	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.13	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.24	10.13	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.13	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.13	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.13	1.811	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.75	10.13	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	17.00	10.13	1.678	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.59	10.13	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.01	10.13	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.13	4.55	1.127	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.52	10.13	1.137	ok	1.137	1.077-1.197
o-Xylene	12.46	10.13	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.13	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	78494	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	389657	ok	406483	243890-569076
Chlorobenzene-D5	10.13	ok	10.12	9.79-10.45	345790	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.22	0.652	ok	0.652	0.592-0.712
Acrolein	2.06	3.22	0.640	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.22	0.696	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.22	0.630	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.22	0.562	ok	0.561	0.501-0.621
Benzene	4.17	3.22	1.295	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.49	1.114	ok	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.22	0.584	ok	0.584	0.524-0.644
Bromoethene	2.03	3.22	0.630	ok	0.629	0.569-0.689
n-Butane	1.82	3.22	0.565	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.03	1.658	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.03	1.735	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.22	0.773	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.22	0.509	ok	0.508	0.448-0.568
Chloroethane	1.93	3.22	0.599	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Chloroform	3.29	3.22	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.22	0.531	ok	0.530	0.470-0.590
3-Chloropropene	2.43	3.22	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.84	10.03	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.22	1.329	ok	1.326	1.266-1.386
Cyclohexane	4.37	4.49	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.22	0.866	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.22	0.733	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.05	4.49	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.22	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.24	4.49	1.612	ok	1.613	1.553-1.673
1,4-Dioxane	5.23	4.49	1.165	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.22	0.519	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.22	0.609	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.22	0.845	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.22	0.978	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.29	3.22	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.22	1.174	ok	1.173	1.113-1.233
Ethanol	1.97	3.22	0.612	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.30	3.22	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.97	4.49	1.107	ok	1.104	1.044-1.164
4-Ethyltoluene	15.65	10.03	1.560	ok	1.559	1.499-1.619
Freon 113	2.49	3.22	0.773	ok	0.772	0.712-0.832
Freon 114	1.74	3.22	0.540	ok	0.539	0.479-0.599
Freon 115	1.60	3.22	0.497	ok	0.496	0.436-0.556
Freon 123	2.07	3.22	0.643	ok	0.642	0.582-0.702
Freon 123A	2.09	3.22	0.649	ok	0.648	0.588-0.708
Freon 142B	1.70	3.22	0.528	ok	0.528	0.468-0.588
Freon 152A	1.63	3.22	0.506	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.03	1.753	ok	1.751	1.691-1.811
Hexane	3.28	3.22	1.019	ok	1.015	0.955-1.075
2-Hexanone	7.82	4.49	1.742	ok	1.734	1.674-1.794
Iodomethane	2.33	3.22	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.22	0.680	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.22	0.745	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.22	0.922	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.13	4.49	1.365	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.22	0.879	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.38	10.03	1.833	ok	1.831	1.771-1.891
Nonane	13.46	10.03	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.22	0.705	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

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V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Styrene	12.15	10.03	1.211	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.22	1.202	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.83	4.49	1.521	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.15	4.49	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.22	0.745	ok	0.740	0.680-0.800
Tetrachloroethylene	8.90	4.49	1.982	ok	1.982	1.922-2.042
Tetrahydrofuran	3.54	3.22	1.099	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.22	0.671	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.22	0.550	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.22	0.888	ok	0.887	0.827-0.947
m,p-Xylene	11.42	10.03	1.139	ok	1.138	1.078-1.198
o-Xylene	12.35	10.03	1.231	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.22	ok	3.23	2.90-3.56	135115	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	681342	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	623287	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

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Project: Edge on Hudson, Sleepy Hollow, NY

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V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.11	3.22	0.655	ok	0.652	0.592-0.712
Acrolein	2.07	3.22	0.643	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.22	0.696	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.22	0.630	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.22	0.562	ok	0.561	0.501-0.621
Benzene	4.17	3.22	1.295	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.49	1.114	ok	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Bromomethane	1.89	3.22	0.587	ok	0.584	0.524-0.644
Bromoethene	2.03	3.22	0.630	ok	0.629	0.569-0.689
n-Butane	1.83	3.22	0.568	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.22	0.773	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.22	0.509	ok	0.508	0.448-0.568
Chloroethane	1.93	3.22	0.599	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Chloroform	3.30	3.22	1.025	ok	1.022	0.962-1.082
Chloromethane	1.71	3.22	0.531	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.22	0.758	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.22	1.329	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.22	0.866	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.22	0.733	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.05	4.49	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.22	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.24	4.49	1.612	ok	1.613	1.553-1.673
1,4-Dioxane	5.17	4.49	1.151	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.22	0.519	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.22	0.609	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.78	4.49	1.065	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.22	0.845	ok	0.843	0.783-0.903

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Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
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V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.22	0.978	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.29	3.22	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.22	1.174	ok	1.173	1.113-1.233
Ethanol	1.97	3.22	0.612	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.30	3.22	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.49	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.22	0.773	ok	0.772	0.712-0.832
Freon 114	1.74	3.22	0.540	ok	0.539	0.479-0.599
Freon 115	1.60	3.22	0.497	ok	0.496	0.436-0.556
Freon 123	2.08	3.22	0.646	ok	0.642	0.582-0.702
Freon 123A	2.09	3.22	0.649	ok	0.648	0.588-0.708
Freon 142B	1.71	3.22	0.531	ok	0.528	0.468-0.588
Freon 152A	1.63	3.22	0.506	ok	0.504	0.444-0.564
Heptane	5.46	4.49	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.27	3.22	1.016	ok	1.015	0.955-1.075
2-Hexanone	7.80	4.49	1.737	ok	1.734	1.674-1.794
Iodomethane	2.33	3.22	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.85	10.03	1.381	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.22	0.680	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.39	3.22	0.742	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.22	0.922	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.13	4.49	1.365	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.22	0.879	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.46	10.03	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.22	0.705	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
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V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Styrene	12.13	10.03	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.22	1.199	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.65	10.03	1.261	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.22	0.745	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.54	3.22	1.099	ok	1.091	1.031-1.151
Toluene	7.18	4.49	1.599	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.22	0.671	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.22	0.550	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.22	0.888	ok	0.887	0.827-0.947
m,p-Xylene	11.38	10.03	1.135	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	3.22	ok	3.23	2.90-3.56	133584	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	679369	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	626077	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.12	3.23	0.656	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.25	3.23	0.697	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.50	1.111	ok	1.114	1.054-1.174
Bromoform	11.22	10.03	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.03	1.735	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.52	10.03	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.50	1.791	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.84	4.50	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.50	1.611	ok	1.613	1.553-1.673
1,4-Dioxane	5.23	4.50	1.162	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.50	1.064	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.50	1.331	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.30	3.23	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.23	1.170	ok	1.173	1.113-1.233
Ethanol	1.98	3.23	0.613	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.31	3.23	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.98	4.50	1.107	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.50	1.744	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.20	3.23	0.681	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.98	3.23	0.923	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.50	1.371	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.85	3.23	0.882	ok	0.876	0.816-0.936
Methylmethacrylate	5.39	4.50	1.198	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.47	10.03	1.343	ok	1.343	1.283-1.403
Octane	9.05	4.50	2.011	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.03	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.12	10.03	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.03	1.232	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.50	1.516	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.50	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.43	3.23	0.752	ok	0.740	0.680-0.800
Tetrachloroethylene	8.90	4.50	1.978	ok	1.982	1.922-2.042
Tetrahydrofuran	3.54	3.23	1.096	ok	1.091	1.031-1.151
Toluene	7.19	4.50	1.598	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.50	1.124	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.87	3.23	0.889	ok	0.887	0.827-0.947
m,p-Xylene	11.43	10.03	1.140	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	135376	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.82	684640	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	633519	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.11	3.23	0.653	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.71	10.03	1.367	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.22	10.03	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.52	10.03	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.37	4.49	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.14	4.49	1.145	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.49	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.79	4.49	1.735	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.85	10.03	1.381	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.18	3.23	0.675	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.23	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.12	4.49	1.363	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.23	0.876	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.47	10.03	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.19	10.03	1.514	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.03	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.23	1.195	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.95	10.03	1.690	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.15	4.49	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.23	0.743	ok	0.740	0.680-0.800
Tetrachloroethylene	8.90	4.49	1.982	ok	1.982	1.922-2.042
Tetrahydrofuran	3.52	3.23	1.090	ok	1.091	1.031-1.151
Toluene	7.18	4.49	1.599	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.41	10.03	1.138	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	130126	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	661732	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	600657	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
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Project: Edge on Hudson, Sleepy Hollow, NY

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V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.11	3.23	0.653	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.25	3.23	0.697	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.04	1.367	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.50	1.113	ok	1.114	1.054-1.174
Bromoform	11.23	10.04	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.04	3.23	0.632	ok	0.629	0.569-0.689
n-Butane	1.83	3.23	0.567	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.04	1.646	ok	1.647	1.587-1.707
Carbon disulfide	2.50	3.23	0.774	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.04	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.86	10.04	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.29	3.23	1.328	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.50	1.791	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.50	1.073	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.50	1.611	ok	1.613	1.553-1.673
1,4-Dioxane	5.12	4.50	1.138	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.50	1.064	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

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Project: Edge on Hudson, Sleepy Hollow, NY

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V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.50	1.331	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.04	1.653	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.04	1.694	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.04	1.662	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.97	3.23	0.610	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.04	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.50	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.04	1.558	ok	1.559	1.499-1.619
Freon 113	2.50	3.23	0.774	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.08	3.23	0.644	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.80	4.50	1.733	ok	1.734	1.674-1.794
Iodomethane	2.34	3.23	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.04	1.380	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.23	0.678	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.04	1.696	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.12	4.50	1.360	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.23	0.876	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.50	1.193	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.47	10.04	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.50	2.013	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

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V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
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V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
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V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.19	10.04	1.513	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.04	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.12	10.04	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.04	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.50	1.516	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.04	1.825	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.04	1.259	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.04	1.689	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.04	1.646	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.04	1.585	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.50	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.23	0.743	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.50	1.980	ok	1.982	1.922-2.042
Tetrahydrofuran	3.52	3.23	1.090	ok	1.091	1.031-1.151
Toluene	7.19	4.50	1.598	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.50	1.124	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.87	3.23	0.889	ok	0.887	0.827-0.947
m,p-Xylene	11.41	10.04	1.136	ok	1.138	1.078-1.198
o-Xylene	12.35	10.04	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	131992	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.82	667855	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	626654	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.03	1.658	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.03	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.08	4.49	1.131	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.66	3.23	0.514	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.28	3.23	1.015	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.27	3.23	1.012	ok	1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.47	10.03	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.13	10.03	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.23	1.195	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.12	10.03	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.03	1.232	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.51	3.23	1.087	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.42	10.03	1.139	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	131378	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	659033	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	616113	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.73	10.04	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.23	10.04	1.119	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.04	1.646	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.04	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.86	10.04	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.49	1.129	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.04	1.653	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.04	1.694	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.04	1.662	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.04	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.28	3.23	1.015	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.04	1.558	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.04	1.750	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.04	1.380	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.04	1.696	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.48	10.04	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
n-Propylbenzene	15.20	10.04	1.514	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.04	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.23	1.195	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.13	10.04	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.04	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.04	1.825	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.04	1.259	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.04	1.689	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.54	10.04	1.647	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.92	10.04	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.51	3.23	1.087	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.42	10.04	1.137	ok	1.138	1.078-1.198
o-Xylene	12.35	10.04	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	126854	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	638427	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	603108	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.74	10.04	1.369	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.24	10.04	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.54	10.04	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.12	10.04	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.87	10.04	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.07	4.49	1.797	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.49	1.129	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.61	10.04	1.654	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.02	10.04	1.695	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.70	10.04	1.663	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	11.00	10.04	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.65	10.04	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.08	3.23	0.644	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.87	10.04	1.381	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.04	10.04	1.697	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.48	10.04	1.343	ok	1.343	1.283-1.403
Octane	9.07	4.49	2.020	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.21	10.04	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.15	10.04	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.13	10.04	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.38	10.04	1.233	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.83	4.49	1.521	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.33	10.04	1.826	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.65	10.04	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.04	1.689	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.55	10.04	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.93	10.04	1.587	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.50	3.23	1.084	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.07	4.49	1.129	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.43	10.04	1.138	ok	1.138	1.078-1.198
o-Xylene	12.36	10.04	1.231	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	128392	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	638040	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	608914	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.74	10.04	1.369	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.50	1.113	ok	1.114	1.054-1.174
Bromoform	11.24	10.04	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.64	10.04	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.85	10.04	1.678	ok	1.678	1.618-1.738
tert-Butylbenzene	16.54	10.04	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.12	10.04	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.87	10.04	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.07	4.50	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.71	3.23	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.84	4.50	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.26	4.50	1.613	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.50	1.127	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.80	4.50	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.00	4.50	1.333	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.61	10.04	1.654	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.02	10.04	1.695	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.70	10.04	1.663	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	11.00	10.04	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.50	1.100	ok	1.104	1.044-1.164
4-Ethyltoluene	15.66	10.04	1.560	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.64	10.04	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.77	4.50	1.727	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.88	10.04	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.04	10.04	1.697	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.10	4.50	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.50	1.193	ok	1.196	1.136-1.256
Naphthalene	18.38	10.04	1.831	ok	1.831	1.771-1.891
Nonane	13.49	10.04	1.344	ok	1.343	1.283-1.403
Octane	9.07	4.50	2.016	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
n-Propylbenzene	15.21	10.04	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.15	10.04	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.14	10.04	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.38	10.04	1.233	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.83	4.50	1.518	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.33	10.04	1.826	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.66	10.04	1.261	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.97	10.04	1.690	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.55	10.04	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.93	10.04	1.587	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.50	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.92	4.50	1.982	ok	1.982	1.922-2.042
Tetrahydrofuran	3.50	3.23	1.084	ok	1.091	1.031-1.151
Toluene	7.20	4.50	1.600	ok	1.600	1.540-1.660
Trichloroethylene	5.07	4.50	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.43	10.04	1.138	ok	1.138	1.078-1.198
o-Xylene	12.36	10.04	1.231	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	131520	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.82	651140	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	631688	ok	618891	371335-866447

Surrogate Recovery Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JE3522-1	7W11591.D	103
JE3522-2	7W11610.D	102
JE3522-3	7W11615.D	100
JE3522-3	7W11592.D	101
JE3522-4	7W11611.D	102
JE3522-5	7W11616.D	102
JE3522-5	7W11593.D	102
JE3522-6	7W11612.D	100
JE3522-7	7W11608.D	100
JE3522-8	7W11613.D	100
JE3522-9	7W11609.D	101
JE3522-10	7W11620.D	100
JE3522-10	7W11614.D	101
JE3196-3DUP	7W11618.D	100
JE3433-3DUP	7W11588.D	103
V5W2133-SCC	5W55713.D	104
V5W2133-SCC	5W55709.D	107
V7W378-SCC	7W10294.D	94
V7W415-BS	7W11572.D	103
V7W415-BSD	7W11573.D	103
V7W415-MB	7W11575.D	97
V7W416-BS	7W11598.D	101
V7W416-BSD	7W11599.D	102
V7W416-MB	7W11601.D	98
V5W2133-BS	5W55701.D	100
V5W2133-BSD	5W55703.D	99
V5W2133-MB	5W55706.D	110
V7W378-BS	7W10270.D	96
V7W378-BSD	7W10271.D	96
V7W378-MB	7W10273.D	93

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2125-ICC2125
Lab FileID: 5W55466.D

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Calibration Files
0.04=5w55459.D 0.1 =5w55460.D 0.2 =5w55461.D 0.5 =5w55463.D
5 =5w55464.D 10 =5w55466.D 20 =5w55467.D 40 =5w55468.D
50 =5w55469.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115	1.494	1.548	1.299	1.657	0.642	1.669	1.274			1.369	26.06
3) FREON 152A	0.717	0.684	0.712	0.756	0.789	0.758	0.757	0.760	0.726	0.740	4.36
4) CHLORODIFLUOROMETHANE	0.279	0.341	0.371	0.394	0.410	0.406	0.414	0.428	0.410	0.384	12.27
5) CHLOROTRIFLUOROETHENE	1.677	1.542	1.642	1.717	1.772	1.742	1.780	1.866	1.846	1.732	5.86
6) DICHLORODIFLUOROMETHANE	3.513	3.536	3.550	3.840	3.911	3.777	3.705	3.640	3.418	3.654	4.52
7) PROPYLENE	1.224	1.033	0.862	0.907	0.898	0.861	0.861	0.849	0.788	0.920	14.31
8) 1-CHLORO-1,1-DIFLUOROETHANE	4.008	3.852	3.920	4.118	4.140	3.754	3.537	3.345	3.006	3.742	10.16
9) FREON 114	4.598	4.822	4.882	5.183	5.093	4.507	4.151	3.758	3.349	4.483	13.82
10) CHLOROMETHANE	0.398	0.543	0.544	0.546	0.525	0.463	0.435	0.413	0.375	0.471	14.66
11) VINYL CHLORIDE	1.756	1.727	1.812	1.894	1.887	1.639	1.511	1.406	1.304	1.659	12.74
12) 1,3-BUTADIENE	1.420	1.134	1.171	1.246	1.221	1.066	0.996	0.917	0.850	1.114	15.90
13) n-BUTANE	2.733	2.476	2.579	2.336	1.998	1.834	1.628	1.508		2.136	21.46
14) BROMOMETHANE	2.365	1.858	1.978	1.857	1.631	1.518	1.426	1.356		1.749	19.11
15) CHLOROETHANE	0.846	0.831	0.838	0.890	0.827	0.725	0.666	0.613	0.589	0.758	14.78
16) DICHLOROFLUOROMETHANE	4.518	4.122	4.054	4.299	4.145	3.576	3.289	2.965	2.768	3.748	16.61
17) ACETONITRILE	1.389	1.492	1.554	1.399	1.170	1.073	0.927	0.867		1.234	21.21
18) ACROLEIN	0.585	0.528	0.670	0.602	0.545	0.504	0.450	0.426		0.539	14.94
19) FREON 123	4.363	4.195	4.097	4.417	4.204	3.644	3.338	2.930	2.766	3.773	16.67
20) FREON 123A	2.136	2.135	2.173	2.278	2.198	1.969	1.835	1.696	1.633	2.006	11.66
21) TRICHLOROFLUOROMETHANE	3.235	3.373	3.388	3.743	3.622	3.391	3.312	3.257	3.072	3.377	5.98
22) ISOPROPYL ALCOHOL	2.807	2.426	2.240	1.968	2.127	2.047	1.877	1.627		2.140	16.83
23) ACETONE											

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                    1.396 0.887 0.807 0.650 0.580 0.520         0.807   39.66
24)  PENTANE
          1.158 1.086 1.066 1.120 1.125 1.072 1.032 0.998 0.910   1.063    7.07
25)  IODOMETHANE
          2.569 2.613 2.606 2.878 2.919 2.955 2.917 2.964 2.934   2.817    5.97
26)  1,1-DICHLOROETHYLENE
          1.034 1.061 1.042 1.082 1.083 1.068 1.039 1.024 0.989   1.047    2.89
27)  CARBON DISULFIDE
          2.768 2.870 2.975 3.284 3.340 3.192 3.075 2.978 2.772   3.028    6.96
28)  ETHANOL
                         1.196 0.821 0.784 0.718 0.613 0.573   0.784   28.45
29)  BROMOETHENE
          1.456 1.481 1.563 1.690 1.665 1.516 1.423 1.332 1.280   1.490    9.22
30)  ACRYLONITRILE
                    1.768 0.744 0.807 0.673 0.649 0.638 0.587   0.838   49.71
31)  METHYLENE CHLORIDE
          1.174 1.115 1.079 1.161 1.090 1.020 0.970 0.937 0.893   1.049    9.49
32)  3-CHLOROPROPENE
          0.391 0.474 0.489 0.498 0.523 0.522 0.504 0.487 0.466   0.484    8.20
33)  FREON 113
          1.537 1.700 1.617 1.831 1.786 1.770 1.764 1.822 1.837   1.740    5.96
34)  TRANS-1,2-DICHLOROETHYLENE
          1.036 1.154 1.076 1.153 1.132 1.135 1.105 1.097 1.066   1.106    3.71
35)  TERTIARY BUTYL ALCOHOL
          1.734 1.833 1.823 2.144 2.079 2.269 2.216 2.116 1.901   2.013    9.58
36)  METHYL TERTIARY BUTYL ETHER
          2.586 2.482 2.471 2.912 3.070 3.107 3.054 2.981 2.851   2.835    9.02
37)  TETRAHYDROFURAN
               0.268 0.296 0.444 0.502 0.510 0.502 0.487 0.463   0.434   22.27
38)  HEXANE
          1.296 1.250 1.316 1.611 1.742 1.704 1.755 1.771 1.658   1.567   13.80
39)  VINYL ACETATE
                    0.064 0.147 0.204 0.201 0.211 0.216 0.211   0.179   31.12
40)  1,1-DICHLOROETHANE
          1.980 2.003 2.035 2.251 2.203 2.132 2.047 1.983 1.866   2.056    5.86
41)  METHYL ETHYL KETONE
               0.226 0.307 0.423 0.518 0.520 0.506 0.495 0.474   0.434   25.32
42)  cis-1,2-DICHLOROETHYLENE
          1.119 1.164 1.035 1.175 1.187 1.196 1.162 1.161 1.131   1.148    4.27
43)  DIISOPROPYL ETHER
               0.332 0.374 0.456 0.524 0.521 0.536 0.550 0.515   0.476   17.14
44)  ETHYL ACETATE
               0.149 0.238 0.333 0.367 0.378 0.372 0.373 0.350   0.320   25.97
45)  METHYL ACRYLATE
                    1.287 1.700 2.080 2.073 2.110 2.111 1.972   1.905   16.20
46)  CHLOROFORM
          2.397 2.484 2.543 2.896 2.724 2.637 2.549 2.497 2.378   2.567    6.38
47)  2,4-DIMETHYLPENTANE
          1.387 1.405 1.543 1.739 1.926 1.905 1.896 1.877 1.746   1.714   12.63
48)  1,1,1-TRICHLOROETHANE
          2.370 2.514 2.437 2.783 2.709 2.671 2.666 2.690 2.619   2.607    5.25
49)  CARBON TETRACHLORIDE
          2.346 2.488 2.550 2.864 2.899 2.882 2.913 2.946 2.904   2.755    8.25
50)  1,2-DICHLOROETHANE
          1.373 1.525 1.645 1.819 1.787 1.772 1.745 1.722 1.641   1.670    8.61

51) I   1,4-DIFLUOROBENZENE   ----------------ISTD----------------------
52)  BENZENE
          0.655 0.645 0.644 0.737 0.755 0.753 0.769 0.790 0.774   0.725    8.20
53)  CYCLOHEXANE
```

0.200 0.219 0.225 0.268 0.295 0.300 0.306 0.321 0.316 0.272 16.87

54) 2,3-DIMETHYLPENTANE
0.101 0.119 0.127 0.155 0.157 0.158 0.164 0.173 0.169 0.147 17.11

55) TRICHLOROETHYLENE
0.331 0.323 0.334 0.377 0.384 0.389 0.410 0.447 0.445 0.382 12.16

56) 1,2-DICHLOROPROPANE
0.286 0.277 0.285 0.308 0.316 0.310 0.323 0.339 0.325 0.308 6.82

57) DIBROMOMETHANE
0.426 0.344 0.344 0.324 0.336 0.350 0.376 0.422 0.444 0.374 12.09

58) ETHYL ACRYLATE
0.293 0.327 0.425 0.537 0.561 0.576 0.594 0.570 0.485 24.76

59) BROMODICHLOROMETHANE
0.528 0.553 0.564 0.687 0.693 0.702 0.732 0.780 0.764 0.667 14.17

60) 2,2,4-TRIMETHYLPENTANE
0.894 0.904 0.917 1.125 1.215 1.207 1.230 1.247 1.166 1.101 13.72

61) 1,4-DIOXANE
0.124 0.141 0.148 0.158 0.184 0.194 0.202 0.200 0.169 17.58

62) HEPTANE
0.329 0.307 0.322 0.389 0.422 0.415 0.425 0.439 0.412 0.384 13.26

63) METHYL METHACRYLATE
0.149 0.176 0.229 0.265 0.272 0.277 0.283 0.277 0.241 21.56

64) METHYL ISOBUTYL KETONE
0.119 0.139 0.183 0.226 0.232 0.241 0.254 0.245 0.205 25.18

65) cis-1,3-DICHLOROPROPENE
0.324 0.343 0.374 0.448 0.507 0.520 0.545 0.577 0.568 0.467 21.12

66) TOLUENE
0.383 0.404 0.414 0.463 0.537 0.553 0.573 0.618 0.617 0.507 18.24

67) 1,3-DICHLOROPROPANE
0.339 0.370 0.382 0.460 0.483 0.479 0.489 0.511 0.501 0.446 14.42

68) trans-1,3-DICHLOROPROPENE
0.254 0.279 0.336 0.398 0.473 0.498 0.523 0.557 0.553 0.430 27.23

69) 1,1,2-TRICHLOROETHANE
0.256 0.260 0.277 0.319 0.314 0.315 0.326 0.346 0.343 0.306 11.05

70) I CHLOROBENZENE-D5 ----------ISTD----------

71) 2-HEXANONE
0.233 0.325 0.443 0.585 0.591 0.574 0.531 0.493 0.472 27.90

72) ETHYL METHACRYLATE
0.415 0.468 0.656 0.845 0.850 0.822 0.760 0.710 0.691 24.40

73) TETRACHLOROETHYLENE
0.644 0.683 0.666 0.676 0.673 0.658 0.644 0.619 0.616 0.653 3.69

74) DIBROMOCHLOROMETHANE
0.715 0.842 0.873 1.176 1.250 1.246 1.218 1.142 1.097 1.062 18.77

75) 1,2-DIBROMOETHANE
0.681 0.799 0.823 0.977 0.995 0.980 0.942 0.883 0.846 0.881 11.86

76) OCTANE
0.700 0.733 0.747 0.900 1.071 1.044 0.998 0.900 0.813 0.878 15.80

77) 1,1,1,2-TETRACHLOROETHANE
0.577 0.692 0.702 0.776 0.792 0.785 0.781 0.758 0.737 0.733 9.39

78) CHLOROBENZENE
1.220 1.285 1.284 1.407 1.369 1.339 1.303 1.220 1.157 1.287 6.14

79) ETHYLBENZENE
1.583 1.594 1.630 1.933 2.151 2.119 2.023 1.847 1.714 1.844 12.18

80) m,p-XYLENE
0.513 0.551 0.573 0.732 0.835 0.816 0.797 0.756 0.725 0.700 17.44

81) o-XYLENE
0.477 0.543 0.547 0.725 0.824 0.797 0.781 0.731 0.687 0.679 18.53

82) STYRENE
0.623 0.702 0.741 0.933 1.219 1.207 1.173 1.109 1.059 0.974 23.89

83) NONANE

Initial Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2125-ICC2125
Lab FileID: 5W55466.D

```
          0.750 0.718 0.774 1.007 1.144 1.086 1.032 0.914 0.824   0.917   17.15
 84)  BROMOFORM
                      0.501 1.084 1.201 1.242 1.235 1.186 1.157   1.087   24.28
 85)  4-BROMOFLUOROBENZENE
          1.210 1.226 1.219 1.227 1.210 1.137 1.043 0.916 0.885   1.119   12.30
 86)  1,1,2,2-TETRACHLOROETHANE
          1.262 1.289 1.357 1.499 1.521 1.487 1.426 1.287 1.157   1.365    9.23
 87)  1,2,3-TRICHLOROPROPANE
          0.891 0.980 1.032 1.124 1.106 1.051 0.976 0.885 0.824   0.986   10.48
 88)  ISOPROPYLBENZENE
          1.803 1.855 1.905 2.266 2.459 2.358 2.258 2.075 1.932   2.101   11.45
 89)  BROMOBENZENE
          1.162 1.130 1.156 1.312 1.323 1.252 1.198 1.112 1.036   1.187    7.99
 90)  2-CHLOROTOLUENE
          0.374 0.427 0.468 0.553 0.625 0.600 0.581 0.563 0.547   0.526   16.03
 91)  n-PROPYLBENZENE
          0.347 0.392 0.455 0.569 0.653 0.631 0.605 0.582 0.561   0.533   20.36
 92)  4-ETHYLTOLUENE
          1.385 1.501 1.571 2.076 2.427 2.340 2.236 2.043 1.874   1.939   19.59
 93)  1,3,5-TRIMETHYLBENZENE
          1.141 1.303 1.374 1.843 2.053 1.974 1.882 1.739 1.609   1.657   19.36
 94)  ALPHA-METHYLSTYRENE
                      0.571 0.796 1.022 1.013 0.992 0.955 0.914   0.895   18.17
 95)  tert-BUTYLBENZENE
                 0.245 0.266 0.355 0.422 0.416 0.413 0.398 0.379   0.362   19.16
 96)  1,2,4-TRIMETHYLBENZENE
          1.221 1.230 1.427 1.913 2.186 2.127 2.062 1.835 1.650   1.739   21.59
 97)  m-DICHLOROBENZENE
          1.119 1.133 1.269 1.487 1.561 1.547 1.506 1.397 1.304   1.369   12.50
 98)  BENZYL CHLORIDE
                      1.375 1.687 2.118 2.187 2.134 1.891 1.674   1.866   16.21
 99)  p-DICHLOROBENZENE
          0.984 1.133 1.192 1.448 1.482 1.425 1.355 1.278 1.208   1.278   12.91
100)  sec-BUTYLBENZENE
          0.306 0.333 0.367 0.477 0.526 0.503 0.479 0.455 0.439   0.432   18.07
101)  1,2,3-TRIMETHYLBENZENE
          1.240 1.378 1.471 1.907 2.189 2.108 2.035 1.865 1.703   1.766   19.16
102)  p-ISOPROPYLTOLUENE
          0.336 0.381 0.413 0.572 0.621 0.592 0.575 0.554 0.522   0.507   20.35
103)  o-DICHLOROBENZENE
          1.043 1.139 1.204 1.380 1.413 1.355 1.280 1.216 1.156   1.243    9.94
104)  n-BUTYLBENZENE
          0.263 0.320 0.367 0.470 0.582 0.570 0.560 0.545 0.524   0.467   25.69
105)  HEXACHLOROETHANE
          0.643 0.685 0.711 0.955 1.031 1.027 1.003 0.931 0.846   0.870   17.76
106)  HEXACHLOROBUTADIENE
          1.035 0.992 0.972 1.094 1.175 1.345 1.383 1.333 1.195   1.169   13.47
107)  1,2,4-TRICHLOROBENZENE
                      0.916 0.940 1.038 1.217 1.230 1.238 1.173   1.107   12.67
108)  NAPHTHALENE
                      1.915 2.112 2.486 2.887 2.742 2.445         2.431   15.12

109) I   BROMOCHLOROMETHANE (A ----------------ISTD----------------------
110)  TVHC as equiv Pentane
          0.900 0.896 1.032 0.778 0.783 0.702 0.682 0.663 0.609   0.783 E1   17.50
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M5w2125.M         Mon Dec 09 14:41:37 2024
```

Initial Calibration Verification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2125-ICV2125
Lab FileID: 5W55473.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55473.D Vial: 5
Acq On : 9 Dec 2024 1:55 pm Operator: benk
Sample : icv2125-10 Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	108	0.00	7.67
2	FREON 115	1.369	1.550	-13.2	101	0.00	3.46
3	FREON 152A	0.740	0.662	10.5	95	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.376	2.1	100	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.640	5.3	102	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	3.452	5.5	99	0.00	3.65
7	PROPYLENE	0.920	0.715	22.3	90	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	3.499	6.5	101	0.00	3.75
9	FREON 114	4.483	4.285	4.4	103	0.00	3.84
10	CHLOROMETHANE	0.471	0.409	13.2	96	0.00	3.77
11	VINYL CHLORIDE	1.659	1.513	8.8	100	0.00	3.93
12	1,3-BUTADIENE	1.114	0.994	10.8	101	0.00	4.03
13	n-BUTANE	2.136	1.839	13.9	100	0.00	4.07
14	BROMOMETHANE	1.749	1.560	10.8	104	0.00	4.23
15	CHLOROETHANE	0.758	0.680	10.3	102	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.432	8.4	104	0.00	4.42
17	ACETONITRILE	1.234	1.102	10.7	102	0.00	4.62
18	ACROLEIN	0.539	0.535	0.7	106	0.00	4.71
19	FREON 123	3.773	3.394	10.0	101	0.00	4.73
20	FREON 123A	2.006	1.773	11.6	98	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.288	2.6	105	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	1.917	10.4	98	0.00	5.03
23	ACETONE	0.807	0.603	25.3	101	0.00	4.82
24	PENTANE	1.063	0.903	15.1	91	0.00	5.23
25	IODOMETHANE	2.817	2.883	-2.3	106	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.010	3.5	102	0.00	5.48
27	CARBON DISULFIDE	3.028	3.051	-0.8	104	0.00	5.85
28	ETHANOL	0.784	0.618	21.2	85	0.00	4.46
29	BROMOETHENE	1.490	1.474	1.1	105	0.00	4.62
30	ACRYLONITRILE	0.838	0.581	30.7#	93	0.00	5.20
31	METHYLENE CHLORIDE	1.049	0.953	9.2	101	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.475	1.9	99	0.00	5.69
33	FREON 113	1.740	1.778	-2.2	109	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.077	2.6	103	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.303	-14.4	110	0.00	5.55
36	METHYL TERTIARY BUTYL ETH	2.835	2.868	-1.2	100	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.474	-9.2	101	0.00	8.24
38	HEXANE	1.567	1.462	6.7	93	0.00	7.71
39	VINYL ACETATE	0.179	0.199	-11.2	107	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	1.875	8.8	95	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.464	-6.9	97	0.00	7.06
42	cis-1,2-DICHLOROETHYLENE	1.148	1.116	2.8	101	0.00	7.50

Initial Calibration Verification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2125-ICV2125
Lab FileID: 5W55473.D

43		DIISOPROPYL ETHER	0.476	0.459	3.6	95	0.00	7.72
44		ETHYL ACETATE	0.320	0.334	-4.4	96	0.00	7.75
45		METHYL ACRYLATE	1.905	1.852	2.8	97	0.00	7.73
46		CHLOROFORM	2.567	2.506	2.4	103	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	1.678	2.1	95	0.00	8.67
48		1,1,1-TRICHLOROETHANE	2.607	2.588	0.7	105	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	2.815	-2.2	106	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	1.609	3.7	98	0.00	8.61
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	108	0.00	9.83
52		BENZENE	0.725	0.689	5.0	99	0.00	9.40
53		CYCLOHEXANE	0.272	0.278	-2.2	101	0.00	9.70
54		2,3-DIMETHYLPENTANE	0.147	0.145	1.4	99	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.366	4.2	102	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.279	9.4	98	0.00	10.36
57		DIBROMOMETHANE	0.374	0.353	5.6	109	0.00	10.34
58		ETHYL ACRYLATE	0.485	0.507	-4.5	98	0.00	10.42
59		BROMODICHLOROMETHANE	0.667	0.656	1.6	101	0.00	10.61
60		2,2,4-TRIMETHYLPENTANE	1.101	1.060	3.7	95	0.00	10.69
61		1,4-DIOXANE	0.169	0.178	-5.3	105	0.00	10.67
62		HEPTANE	0.384	0.358	6.8	93	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.246	-2.1	98	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.207	-1.0	97	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.452	3.2	94	0.00	11.73
66		TOLUENE	0.507	0.517	-2.0	101	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.442	0.9	100	0.00	13.01
68		trans-1,3-DICHLOROPROPENE	0.430	0.457	-6.3	99	0.00	12.41
69		1,1,2-TRICHLOROETHANE	0.306	0.292	4.6	100	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	104	0.00	15.35
71		2-HEXANONE	0.472	0.552	-16.9	97	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.833	-20.5	102	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.683	-4.6	108	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.276	-20.2	107	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.966	-9.6	103	0.00	13.82
76		OCTANE	0.878	0.935	-6.5	93	0.00	14.33
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.802	-9.4	106	0.00	15.39
78		CHLOROBENZENE	1.287	1.323	-2.8	103	0.00	15.41
79		ETHYLBENZENE	1.844	2.064	-11.9	101	0.00	15.96
80		m,p-XYLENE	0.700	0.808	-15.4	103	0.00	16.23
81		o-XYLENE	0.679	0.778	-14.6	102	0.00	16.90
82		STYRENE	0.974	1.179	-21.0	102	0.00	16.75
83		NONANE	0.917	0.971	-5.9	93	0.00	17.31
84		BROMOFORM	1.087	1.261	-16.0	106	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.167	-4.3	107	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.407	-3.1	99	0.00	16.91
87		1,2,3-TRICHLOROPROPANE	0.986	1.011	-2.5	100	0.00	17.10
88		ISOPROPYLBENZENE	2.101	2.353	-12.0	104	0.00	17.81
89		BROMOBENZENE	1.187	1.216	-2.4	101	0.00	17.91
90		2-CHLOROTOLUENE	0.526	0.618	-17.5	107	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.636	-19.3	105	0.00	18.64
92		4-ETHYLTOLUENE	1.939	2.292	-18.2	102	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.939	-17.0	102	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	1.017	-13.6	105	0.00	19.26
95		tert-BUTYLBENZENE	0.362	0.426	-17.7	107	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	2.096	-20.5	103	0.00	19.63
97		m-DICHLOROBENZENE	1.369	1.565	-14.3	105	0.00	19.82
98		BENZYL CHLORIDE	1.866	2.201	-18.0	105	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.435	-12.3	105	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.513	-18.8	106	0.00	20.02

Initial Calibration Verification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2125-ICV2125
Lab FileID: 5W55473.D

101		1,2,3-TRIMETHYLBENZENE	1.766	2.098	-18.8	104	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.615	-21.3	108	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.380	-11.0	106	0.00	20.41
104		n-BUTYLBENZENE	0.467	0.577	-23.6	105	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.978	-12.4	99	0.00	21.32
106		HEXACHLOROBUTADIENE	1.169	1.383	-18.3	107	0.00	23.37
107		1,2,4-TRICHLOROBENZENE	1.107	1.294	-16.9	111	0.00	23.22
108		NAPHTHALENE	2.431	3.137	-29.0	113	0.00	22.88
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	108	0.00	7.67
110		TVHC as equiv Pentane	7.828	6.032	22.9	93	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 09 14:42:33 2024

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2133-CC2125
Lab FileID: 5W55700.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55700.D Vial: 1
Acq On : 17 Dec 2024 8:32 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	84	0.00	7.67
2	FREON 115	1.369	1.616	-18.0	81	0.00	3.47
3	FREON 152A	0.740	0.821	-10.9	91	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.465	-21.1	96	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.629	5.9	78	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	4.113	-12.6	91	0.00	3.66
7	PROPYLENE	0.920	1.032	-12.2	100	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	4.360	-16.5	97	0.00	3.75
9	FREON 114	4.483	4.805	-7.2	89	0.00	3.84
10	CHLOROMETHANE	0.471	0.474	-0.6	86	0.00	3.77
11	VINYL CHLORIDE	1.659	1.714	-3.3	87	0.00	3.93
12	1,3-BUTADIENE	1.114	1.073	3.7	84	0.00	4.03
13	n-BUTANE	2.136	2.200	-3.0	92	0.00	4.07
14	BROMOMETHANE	1.749	1.690	3.4	87	0.00	4.23
15	CHLOROETHANE	0.758	0.740	2.4	85	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.935	-5.0	92	0.00	4.42
17	ACETONITRILE	1.234	1.331	-7.9	95	0.00	4.62
18	ACROLEIN	0.539	0.585	-8.5	90	0.00	4.71
19	FREON 123	3.773	4.021	-6.6	92	0.00	4.73
20	FREON 123A	2.006	2.013	-0.3	85	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.683	-9.1	91	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	2.334	-9.1	92	0.00	5.03
23	ACETONE	0.807	0.651	19.3	84	0.00	4.82
24	PENTANE	1.063	1.238	-16.5	96	0.00	5.23
25	IODOMETHANE	2.817	3.362	-19.3	95	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.155	-10.3	90	0.00	5.48
27	CARBON DISULFIDE	3.028	3.682	-21.6	96	0.00	5.85
28	ETHANOL	0.784	0.789	-0.6	84	0.00	4.45
29	BROMOETHENE	1.490	1.544	-3.6	85	0.00	4.62
30	ACRYLONITRILE	0.838	0.729	13.0	91	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.130	-7.7	93	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.599	-23.8	96	0.00	5.69
33	FREON 113	1.740	2.151	-23.6	102	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.218	-10.1	90	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.534	-25.9	93	0.00	5.54
36	METHYL TERTIARY BUTYL ETH	2.835	3.531	-24.6	95	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.582	-34.1#	95	0.00	8.24
38	HEXANE	1.567	1.867	-19.1	92	0.00	7.70
39	VINYL ACETATE	0.179	0.213	-19.0	89	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	2.409	-17.2	94	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.591	-36.2#	95	0.00	7.05
42	cis-1,2-DICHLOROETHYLENE	1.148	1.282	-11.7	90	0.00	7.50

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2133-CC2125
Lab FileID: 5W55700.D

43		DIISOPROPYL ETHER	0.476	0.568	-19.3	91	0.00	7.72
44		ETHYL ACETATE	0.320	0.430	-34.4#	95	0.00	7.75
45		METHYL ACRYLATE	1.905	2.409	-26.5	97	0.00	7.73
46		CHLOROFORM	2.567	3.047	-18.7	97	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	2.103	-22.7	92	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	3.046	-16.8	95	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	3.193	-15.9	93	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	2.148	-28.6	101	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	87	0.00	9.83
52		BENZENE	0.725	0.806	-11.2	93	0.00	9.39
53		CYCLOHEXANE	0.272	0.313	-15.1	91	0.00	9.70
54		2,3-DIMETHYLPENTANE	0.147	0.171	-16.3	95	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.406	-6.3	91	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.329	-6.8	93	0.00	10.35
57		DIBROMOMETHANE	0.374	0.462	-23.5	115	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.633	-30.5#	99	0.00	10.41
59		BROMODICHLOROMETHANE	0.667	0.790	-18.4	98	0.00	10.60
60		2,2,4-TRIMETHYLPENTANE	1.101	1.269	-15.3	92	0.00	10.68
61		1,4-DIOXANE	0.169	0.189	-11.8	90	0.00	10.67
62		HEPTANE	0.384	0.476	-24.0	100	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.303	-25.7	97	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.248	-21.0	93	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.570	-22.1	96	0.00	11.72
66		TOLUENE	0.507	0.551	-8.7	87	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.516	-15.7	94	0.00	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.542	-26.0	95	0.00	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.338	-10.5	94	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	95	0.00	15.35
71		2-HEXANONE	0.472	0.575	-21.8	92	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.859	-24.3	96	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.715	-9.5	103	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.099	-3.5	84	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.901	-2.3	87	0.00	13.82
76		OCTANE	0.878	1.107	-26.1	101	0.00	14.32
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.698	4.8	84	0.00	15.39
78		CHLOROBENZENE	1.287	1.199	6.8	85	0.00	15.40
79		ETHYLBENZENE	1.844	2.000	-8.5	89	0.00	15.96
80		m,p-XYLENE	0.700	0.722	-3.1	84	0.00	16.23
81		o-XYLENE	0.679	0.712	-4.9	85	0.00	16.90
82		STYRENE	0.974	1.083	-11.2	85	0.00	16.75
83		NONANE	0.917	1.169	-27.5	102	0.00	17.31
84		BROMOFORM	1.087	1.501	-38.1#	115	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.131	-1.1	94	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.454	-6.5	93	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	1.059	-7.4	95	0.00	17.10
88		ISOPROPYLBENZENE	2.101	2.126	-1.2	85	0.00	17.81
89		BROMOBENZENE	1.187	1.257	-5.9	95	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.529	-0.6	84	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.549	-3.0	82	0.00	18.63
92		4-ETHYLTOLUENE	1.939	2.116	-9.1	86	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.768	-6.7	85	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.874	2.3	82	0.00	19.25
95		tert-BUTYLBENZENE	0.362	0.355	1.9	81	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.921	-10.5	86	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.467	-7.2	90	0.00	19.81
98		BENZYL CHLORIDE	1.866	2.070	-10.9	90	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.361	-6.5	91	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.431	0.2	81	0.00	20.01

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2133-CC2125
Lab FileID: 5W55700.D

101		1,2,3-TRIMETHYLBENZENE	1.766	1.920	-8.7	86	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.506	0.2	81	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.301	-4.7	91	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.491	-5.1	82	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.996	-14.5	92	0.00	21.32
106		HEXACHLOROBUTADIENE	1.169	1.903	-62.8#	134	0.00	23.36
107		1,2,4-TRICHLOROBENZENE	1.107	1.545	-39.6#	120	0.00	23.21
108		NAPHTHALENE	2.431	2.518	-3.6	83	0.00	22.88
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	84	0.00	7.67
110		TVHC as equiv Pentane	7.828	8.146	-4.1	97	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Wed Dec 18 19:06:51 2024

Initial Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W305-ICC305
Lab FileID: 7W07980.D

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Calibration Files
0.04=7w07975.D 0.10=7w07976.D 0.20=7w07977.D 0.5 =7w07978.D
5.0 =7w07979.D 10 =7w07980.D 20 =7w07981.D 40 =7w07982.D
50 =7w07983.D =

Compound	0.04	0.10	0.20	0.5	5.0	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115	1.410	1.323	1.332	1.370	0.628	1.427	1.321	1.450		1.282	20.97
3) FREON 152A	0.766	0.691	0.666	0.702	0.665	0.692	0.673	0.681	0.695	0.692	4.39
4) CHLORODIFLUOROMETHANE	0.341	0.319	0.348	0.350	0.313	0.337	0.326	0.329	0.340	0.334	3.87
5) CHLOROTRIFLUOROETHENE	1.776	1.676	1.535	1.621	1.510	1.603	1.570	1.636	1.676	1.623	5.00
6) DICHLORODIFLUOROMETHANE	3.889	3.781	3.954	3.963	3.920	4.135	4.066	4.167	4.214	4.010	3.59
7) PROPYLENE	1.094	1.136	0.965	0.913	0.864	0.902	0.889	0.913	0.948	0.958	9.85
8) 1-CHLORO-1,1-DIFLUOROETHANE	3.272	3.202	3.328	3.433	3.252	3.450	3.399	3.437	3.443	3.357	2.85
9) FREON 114	3.127	3.393	3.214	3.441	3.334	3.519	3.484	3.579	3.609	3.411	4.77
10) CHLOROMETHANE	0.752	0.540	0.501	0.489	0.467	0.488	0.475	0.483	0.479	0.519	17.25
11) VINYL CHLORIDE	1.748	1.508	1.584	1.620	1.573	1.612	1.570	1.583	1.572	1.597	4.07
12) 1,3-BUTADIENE	1.426	1.317	1.348	1.274	1.229	1.296	1.252	1.268	1.275	1.298	4.56
13) N-BUTANE	2.469	2.388	2.309	2.447	2.292	2.405	2.323	2.351	2.355	2.371	2.58
14) BROMOMETHANE	1.376	1.314	1.295	1.306	1.211	1.264	1.230	1.248	1.248	1.277	3.98
15) CHLOROETHANE	0.821	0.738	0.826	0.853	0.820	0.839	0.821	0.826	0.817	0.818	3.91
16) DICHLOROFLUOROMETHANE	2.969	2.937	3.144	3.211	3.077	3.224	3.132	3.217	3.219	3.126	3.52
17) ACETONITRILE	1.809	1.911	1.622	1.405	1.433	1.401	1.424	1.414		1.552	13.19
18) ACROLEIN	0.969	0.801	0.726	0.727	0.762	0.739	0.754	0.758		0.779	10.32
19) FREON 123	3.302	2.915	3.162	3.138	3.083	3.234	3.174	3.273	3.305	3.176	3.92
20) FREON 123A	1.695	1.757	1.752	1.832	1.796	1.886	1.860	1.906	1.913	1.822	4.21
21) TRICHLOROFLUOROMETHANE	3.507	3.486	3.424	3.639	3.527	3.726	3.643	3.717	3.694	3.596	3.10
22) ISOPROPYL ALCOHOL	4.381	3.891	3.555	3.314	2.991	3.250	3.022	3.012	3.067	3.387	14.11
23) ACETONE											

Initial Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Sample: V7W305-ICC305
Lab FileID: 7W07980.D

			1.285	0.991	0.851	0.841	0.818	0.841	0.836	0.923	18.38
24)	PENTANE										
	2.149	1.846	1.699	1.714	1.614	1.648	1.601	1.606	1.607	1.720	10.40
25)	IODOMETHANE										
	2.782	2.914	3.026	3.144	3.102	3.247	3.191	3.256	3.255	3.102	5.37
26)	1,1-DICHLOROETHYLENE										
	1.339	1.349	1.334	1.339	1.302	1.359	1.329	1.342	1.349	1.338	1.21
27)	CARBON DISULFIDE										
	3.488	3.732	3.787	3.791	3.810	4.022	4.015	4.214	4.238	3.900	6.23
28)	ETHANOL										
			1.215	1.135	0.882	0.863	0.799	0.782	0.802	0.925	18.97
29)	BROMOETHENE										
	1.229	1.137	1.176	1.238	1.187	1.262	1.245	1.256	1.261	1.221	3.63
30)	ACRYLONITRILE										
	1.663	1.236	1.359	1.289	1.182	1.167	1.129	1.137	1.136	1.255	13.68
31)	METHYLENE CHLORIDE										
			1.830	1.573	1.404	1.212	1.269	1.236	1.243	1.250	1.377	15.94
32)	3-CHLOROPROPENE										
	0.791	0.697	0.733	0.656	0.661	0.700	0.684	0.705	0.714	0.705	5.74
33)	FREON 113										
	1.953	2.006	2.100	2.122	2.068	2.169	2.152	2.189	2.196	2.106	3.98
34)	TRANS-1,2-DICHLOROETHENE										
	1.439	1.274	1.263	1.355	1.236	1.309	1.280	1.290	1.299	1.305	4.60
35)	TERTIARY BUTYL ALCOHOL										
	3.331	3.384	3.189	3.305	2.885	3.383	3.211	3.229	3.343	3.251	4.78
36)	METHYL TERTIARY BUTYL ETHER										
	3.163	3.190	3.191	3.189	3.103	3.315	3.318	3.482	3.557	3.279	4.70
37)	TETRAHYDROFURAN										
	0.452	0.624	0.640	0.618	0.634	0.666	0.655	0.666	0.667	0.625	10.78
38)	HEXANE										
	3.362	2.615	2.581	2.590	2.513	2.671	2.671	2.777	2.784	2.729	9.28
39)	VINYL ACETATE										
			0.272	0.260	0.243	0.276	0.304	0.324	0.351	0.358	0.298	14.25
40)	1,1-DICHLOROETHANE										
	2.584	2.330	2.424	2.438	2.346	2.451	2.406	2.454	2.453	2.432	3.01
41)	METHYL ETHYL KETONE										
	0.587	0.696	0.659	0.674	0.645	0.676	0.667	0.688	0.695	0.665	5.07
42)	CIS-1,2-DICHLOROETHENE										
	1.410	1.399	1.355	1.426	1.322	1.389	1.356	1.395	1.404	1.384	2.37
43)	DIISOPROPYL ETHER										
	0.558	0.733	0.632	0.706	0.701	0.744	0.754	0.779	0.785	0.710	10.38
44)	ETHYL ACETATE										
	0.474	0.551	0.516	0.477	0.496	0.531	0.531	0.558	0.560	0.522	6.33
45)	METHYL ACRYLATE										
	2.541	2.807	2.755	2.859	2.914	3.135	3.174	3.354	3.367	2.989	9.48
46)	CHLOROFORM										
	2.646	2.807	2.779	2.816	2.689	2.876	2.826	2.888	2.865	2.799	2.96
47)	2,4-DIMETHYLPENTANE										
	2.729	3.054	2.793	2.988	2.813	2.955	2.896	3.028	3.020	2.920	4.02
48)	1,1,1-TRICHLOROETHANE										
	2.474	2.500	2.353	2.453	2.343	2.561	2.618	2.798	2.832	2.548	6.87
49)	CARBON TETRACHLORIDE										
	2.051	2.325	2.277	2.344	2.366	2.602	2.682	2.902	2.961	2.501	12.18
50)	1,2-DICHLOROETHANE										
	1.957	2.162	2.154	2.195	2.048	2.139	2.092	2.177	2.182	2.123	3.66
51)	BENZENE										
	4.645	4.341	4.061	4.092	3.835	3.998	3.955	4.074	4.073	4.119	5.80
52)	I 1,4-DIFLUOROBENZENE	----------ISTD----------									
53)	CYCLOHEXANE										

		0.369	0.346	0.343	0.352	0.340	0.351	0.349	0.367	0.363	0.353	2.99
54)	2,3-DIMETHYLPENTANE											
		0.170	0.164	0.179	0.182	0.179	0.185	0.183	0.193	0.193	0.181	5.20
55)	TRICHLOROETHENE											
		0.398	0.396	0.357	0.373	0.365	0.380	0.376	0.401	0.401	0.383	4.32
56)	1,2-DICHLOROPROPANE											
		0.333	0.350	0.324	0.336	0.327	0.347	0.336	0.359	0.356	0.341	3.70
57)	DIBROMOMETHANE											
		0.338	0.344	0.317	0.319	0.303	0.314	0.308	0.326	0.325	0.321	4.17
58)	ETHYL ACRYLATE											
		0.690	0.695	0.682	0.662	0.696	0.748	0.759	0.821	0.830	0.731	8.42
59)	BROMODICHLOROMETHANE											
		0.513	0.538	0.542	0.547	0.578	0.618	0.621	0.666	0.668	0.588	9.80
60)	2,2,4-TRIMETHYLPENTANE											
		1.621	1.605	1.636	1.614	1.577	1.612	1.580	1.672	1.650	1.619	1.91
61)	1,4-DIOXANE											
			0.177	0.255	0.238	0.213	0.206	0.190	0.198	0.201	0.210	12.16
62)	HEPTANE											
		0.586	0.559	0.576	0.557	0.538	0.559	0.559	0.593	0.587	0.568	3.21
63)	METHYL METHACRYLATE											
		0.303	0.292	0.300	0.280	0.291	0.307	0.310	0.335	0.335	0.306	6.10
64)	METHYL ISOBUTYL KETONE											
		0.397	0.363	0.379	0.349	0.335	0.331	0.323	0.339	0.333	0.350	7.08
65)	CIS-1,3-DICHLOROPROPENE											
		0.352	0.383	0.374	0.375	0.419	0.463	0.487	0.537	0.541	0.437	16.64
66)	TOLUENE											
		1.112	1.040	1.039	1.032	1.007	1.061	1.057	1.119	1.108	1.064	3.76
67)	1,3-DICHLOROPROPANE											
		0.501	0.487	0.509	0.512	0.507	0.534	0.536	0.565	0.553	0.523	4.98
68)	TRANS-1,3-DICHLOROPROPENE											
			0.267	0.259	0.266	0.319	0.371	0.416	0.478	0.488	0.358	26.45
69)	1,1,2-TRICHLOROETHANE											
		0.267	0.292	0.278	0.288	0.284	0.297	0.295	0.310	0.309	0.291	4.78
70)	2-HEXANONE											
		0.598	0.620	0.572	0.553	0.517	0.491	0.484	0.491	0.478	0.534	10.04
71)	ETHYL METHACRYLATE											
		0.458	0.451	0.463	0.448	0.491	0.524	0.545	0.590	0.584	0.506	11.22
72)	TETRACHLOROETHENE											
		0.463	0.385	0.390	0.357	0.348	0.360	0.359	0.381	0.379	0.380	8.99
73)	DIBROMOCHLOROMETHANE											
		0.434	0.488	0.472	0.491	0.549	0.599	0.623	0.678	0.681	0.557	16.50
74)	1,2-DIBROMOETHANE											
		0.497	0.457	0.478	0.477	0.496	0.533	0.534	0.571	0.568	0.512	8.00
75)	OCTANE											
		1.122	0.866	0.835	0.792	0.775	0.810	0.806	0.852	0.836	0.855	12.18
76)	I CHLOROBENZENE-D5	----------	ISTD	----------								
77)	1,1,1,2-TETRACHLOROETHANE											
		0.389	0.401	0.377	0.364	0.403	0.443	0.463	0.507	0.513	0.429	12.93
78)	CHLOROBENZENE											
		0.901	0.981	0.941	0.950	0.939	0.968	0.976	1.030	1.026	0.968	4.31
79)	ETHYLBENZENE											
		1.712	1.561	1.546	1.530	1.507	1.550	1.567	1.652	1.657	1.587	4.37
80)	M,P-XYLENE											
		1.338	1.226	1.195	1.209	1.202	1.246	1.249	1.310	1.306	1.253	4.19
81)	O-XYLENE											
		1.276	1.232	1.206	1.207	1.201	1.249	1.268	1.341	1.345	1.258	4.37
82)	STYRENE											
		0.842	0.861	0.852	0.862	0.892	0.925	0.944	1.006	1.010	0.910	7.13
83)	NONANE											

Initial Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W305-ICC305
Lab FileID: 7W07980.D

```
          1.082 0.990 0.955 0.963 0.951 0.978 0.982 1.028 1.027   0.995    4.31
 84)  BROMOFORM
          0.425 0.415 0.442 0.482 0.523 0.583 0.621 0.695 0.711   0.544   20.92
 85)  1,1,2,2-TETRACHLOROETHANE
          0.778 0.815 0.869 0.849 0.875 0.907 0.921 0.977 0.985   0.886    7.79
 86)  1,2,3-TRICHLOROPROPANE
          0.685 0.697 0.666 0.705 0.700 0.726 0.728 0.768 0.768   0.716    4.93
 87)  4-BROMOFLUOROBENZENE
          0.725 0.720 0.722 0.724 0.737 0.726 0.745 0.745 0.758   0.734    1.81
 88)  ISOPROPYLBENZENE
          0.411 0.493 0.466 0.453 0.468 0.480 0.487 0.515 0.516   0.477    6.80
 89)  BROMOBENZENE
          0.739 0.893 0.894 0.905 0.878 0.912 0.925 0.985 0.984   0.902    7.98
 90)  2-CHLOROTOLUENE
          0.411 0.406 0.399 0.432 0.431 0.446 0.450 0.478 0.479   0.437    6.67
 91)  N-PROPYLBENZENE
          0.420 0.460 0.461 0.477 0.489 0.505 0.512 0.544 0.549   0.491    8.48
 92)  4-ETHYLTOLUENE
          1.605 1.507 1.638 1.654 1.718 1.792 1.807 1.951 1.968   1.738    8.97
 93)  1,3,5-TRIMETHYLBENZENE
          1.321 1.341 1.355 1.380 1.438 1.492 1.519 1.648 1.664   1.462    8.81
 94)  ALPHA-METHYLSTYRENE
          0.684 0.651 0.706 0.727 0.765 0.805 0.827 0.907 0.920   0.777   12.28
 95)  TERT-BUTYLBENZENE
          0.325 0.320 0.317 0.334 0.338 0.351 0.363 0.397 0.403   0.350    9.11
 96)  1,2,4-TRIMETHYLBENZENE
          1.309 1.344 1.377 1.420 1.491 1.568 1.628 1.790 1.825   1.528   12.38
 97)  BENZYL CHLORIDE
          0.339 0.328 0.327 0.342 0.423 0.567 0.787               0.445   39.13
 98)  M-DICHLOROBENZENE
          0.865 0.926 0.941 0.964 0.999 1.049 1.082 1.162 1.188   1.020   10.73
 99)  P-DICHLOROBENZENE
          0.935 0.941 0.943 0.947 0.973 1.011 1.042 1.142 1.168   1.011    8.83
100)  O-DICHLOROBENZENE
          0.885 0.878 0.917 0.917 0.938 0.976 1.019 1.112 1.147   0.976    9.98
101)  SEC-BUTYLBENZENE
          0.375 0.424 0.390 0.419 0.427 0.453 0.465 0.499 0.510   0.440   10.38
102)  1,2,3-TRIMETHYLBENZENE
          1.426 1.398 1.451 1.436 1.488 1.555 1.617 1.761 1.790   1.547    9.47
103)  P-ISOPROPYLTOLUENE
          0.419 0.458 0.471 0.447 0.476 0.504 0.516 0.557 0.573   0.491   10.37
104)  N-BUTYLBENZENE
          0.395 0.404 0.443 0.446 0.481 0.509 0.526 0.584 0.600   0.488   15.07
105)  HEXACHLOROETHANE
                0.301 0.304 0.322 0.413 0.491 0.566 0.677 0.711   0.473   35.00
106)  HEXACHLOROBUTADIENE
          0.668 0.628 0.625 0.639 0.680 0.717 0.777 0.906 0.962   0.734   16.90
107)  1,2,4-TRICHLOROBENZENE
                0.833 0.843 0.814 0.906 0.951 1.024 1.180 1.269   0.977   17.30
108)  NAPHTHALENE
          2.421 2.256 2.262 2.422 2.426 2.411 2.592 2.959 3.235   2.554   12.96

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
          9.914 8.939 9.828 9.374 8.035 8.221 7.965 7.949 7.890   8.679    9.72
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M7W305.M          Thu Aug 29 00:15:47 2024
```

Initial Calibration Verification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W305-ICV305
Lab FileID: 7W07990.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w07990.D Vial: 3
Acq On : 19 Aug 2024 6:28 am Operator: benk
Sample : icv305-10 Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	100	0.00	3.27
2	T	FREON 115	1.282	1.339	-4.4	94	0.00	1.61
3	T	FREON 152A	0.692	0.659	4.8	95	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.311	6.9	92	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.535	5.4	95	0.00	1.67
6	T	DICHLORODIFLUOROMETHANE	4.010	4.114	-2.6	99	0.00	1.69
7	T	PROPYLENE	0.958	0.844	11.9	93	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	3.483	-3.8	101	0.00	1.72
9	T	FREON 114	3.411	3.581	-5.0	101	0.00	1.76
10	T	CHLOROMETHANE	0.519	0.486	6.4	99	0.00	1.73
11	T	VINYL CHLORIDE	1.597	1.598	-0.1	99	0.00	1.79
12	t	1,3-BUTADIENE	1.298	1.256	3.2	97	0.00	1.83
13	T	N-BUTANE	2.371	2.342	1.2	97	0.00	1.85
14	T	BROMOMETHANE	1.277	1.271	0.5	100	0.00	1.91
15	T	CHLOROETHANE	0.818	0.828	-1.2	98	0.00	1.96
16	T	DICHLOROFLUOROMETHANE	3.126	3.292	-5.3	102	0.00	1.98
17	T	ACETONITRILE	1.552	1.467	5.5	102	0.00	2.05
18	T	ACROLEIN	0.779	0.760	2.4	99	0.00	2.09
19	T	FREON 123	3.176	3.121	1.7	96	0.00	2.10
20	T	FREON 123A	1.822	1.735	4.8	92	0.00	2.12
21	T	TRICHLOROFLUOROMETHANE	3.596	3.751	-4.3	100	0.00	2.19
22	T	ISOPROPYL ALCOHOL	3.387	3.362	0.7	103	0.00	2.21
23	T	ACETONE	0.923	0.836	9.4	99	0.00	2.13
24	T	PENTANE	1.720	1.599	7.0	97	0.00	2.30
25	T	IODOMETHANE	3.102	3.305	-6.5	101	0.00	2.36
26	T	1,1-DICHLOROETHYLENE	1.338	1.386	-3.6	102	0.00	2.39
27	T	CARBON DISULFIDE	3.900	4.327	-10.9	107	0.00	2.52
28	T	ETHANOL	0.925	0.759	17.9	88	0.00	1.99
29	T	BROMOETHENE	1.221	1.279	-4.8	101	0.00	2.06
30	T	ACRYLONITRILE	1.255	1.150	8.4	98	0.00	2.27
31	T	METHYLENE CHLORIDE	1.377	1.301	5.5	102	0.00	2.43
32	T	3-CHLOROPROPENE	0.705	0.704	0.1	100	0.00	2.47
33	T	FREON 113	2.106	2.269	-7.7	104	0.00	2.52
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.340	-2.7	102	0.00	2.75
35	T	TERTIARY BUTYL ALCOHOL	3.251	3.902	-20.0	115	-0.01	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.328	-1.5	100	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.640	-2.4	96	0.00	3.56
38	T	HEXANE	2.729	2.432	10.9	91	0.00	3.32
39	T	VINYL ACETATE	0.298	0.318	-6.7	104	0.00	2.90
40	T	1,1-DICHLOROETHANE	2.432	2.353	3.2	96	0.00	2.83
41	T	METHYL ETHYL KETONE	0.665	0.636	4.4	94	0.00	3.00
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.344	2.9	96	0.00	3.19

Initial Calibration Verification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W305-ICV305
Lab FileID: 7W07990.D

43	T	DIISOPROPYL ETHER	0.710	0.699	1.5	94	0.00	3.32
44	T	ETHYL ACETATE	0.522	0.486	6.9	91	0.00	3.33
45	T	METHYL ACRYLATE	2.989	2.977	0.4	95	0.00	3.32
46	T	CHLOROFORM	2.799	2.786	0.5	97	0.00	3.34
47	T	2,4-DIMETHYLPENTANE	2.920	2.738	6.2	92	0.00	3.83
48	T	1,1,1-TRICHLOROETHANE	2.548	2.487	2.4	97	0.00	3.91
49	T	CARBON TETRACHLORIDE	2.501	2.437	2.6	93	0.00	4.33
50	T	1,2-DICHLOROETHANE	2.123	2.036	4.1	95	0.00	3.75
51	t	BENZENE	4.119	3.772	8.4	94	0.00	4.22
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.339	4.0	94	0.00	4.43
54	T	2,3-DIMETHYLPENTANE	0.181	0.178	1.7	94	0.00	4.69
55	T	TRICHLOROETHENE	0.383	0.371	3.1	96	0.00	5.12
56	T	1,2-DICHLOROPROPANE	0.341	0.332	2.6	94	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.315	1.9	98	0.00	4.85
58	T	ETHYL ACRYLATE	0.731	0.731	0.0	96	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.601	-2.2	95	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.510	6.7	92	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.196	6.7	93	-0.01	5.15
62	T	HEPTANE	0.568	0.517	9.0	90	0.00	5.53
63	T	METHYL METHACRYLATE	0.306	0.302	1.3	96	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.313	10.6	92	0.00	6.17
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.425	2.7	90	0.00	6.06
66	T	TOLUENE	1.064	1.019	4.2	94	0.00	7.26
67	T	1,3-DICHLOROPROPANE	0.523	0.515	1.5	94	0.00	7.32
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.366	-2.2	97	0.00	6.73
69	T	1,1,2-TRICHLOROETHANE	0.291	0.294	-1.0	97	0.00	6.89
70	T	2-HEXANONE	0.534	0.460	13.9	91	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.529	-4.5	98	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.354	6.8	96	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.581	-4.3	95	0.00	7.79
74	T	1,2-DIBROMOETHANE	0.512	0.521	-1.8	96	0.00	8.14
75	T	OCTANE	0.855	0.745	12.9	90	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	97	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.429	0.0	94	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.941	2.8	95	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.502	5.4	94	0.00	11.08
80	t	M,P-XYLENE	1.253	1.194	4.7	93	0.00	11.51
81	t	O-XYLENE	1.258	1.192	5.2	93	0.00	12.44
82	T	STYRENE	0.910	0.891	2.1	94	0.00	12.23
83	T	NONANE	0.995	0.903	9.2	90	0.00	13.56
84	T	BROMOFORM	0.544	0.548	-0.7	91	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.875	1.2	94	0.00	12.46
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.695	2.9	93	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.729	0.7	98	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.469	1.7	95	0.00	13.96
89	T	BROMOBENZENE	0.902	0.886	1.8	95	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.442	-1.1	96	0.00	14.95
91	T	N-PROPYLBENZENE	0.491	0.490	0.2	94	0.00	15.29
92	T	4-ETHYLTOLUENE	1.738	1.702	2.1	92	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.428	2.3	93	0.00	16.00
94	T	ALPHA-METHYLSTYRENE	0.777	0.806	-3.7	97	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.344	1.7	95	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.502	1.7	93	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.634	-42.5#	109	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	1.011	0.9	94	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	0.984	2.7	95	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.956	2.0	95	0.00	17.04

Initial Calibration Verification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W305-ICV305
Lab FileID: 7W07990.D

101	T	SEC-BUTYLBENZENE	0.440	0.444	-0.9	95	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.505	2.7	94	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.494	-0.6	95	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.490	-0.4	94	0.00	17.43
105	T	HEXACHLOROETHANE	0.473	0.465	1.7	92	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.720	1.9	98	0.00	18.66
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.928	5.0	95	0.00	18.35
108	T	NAPHTHALENE	2.554	2.550	0.2	103	0.00	18.40
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	100	0.00	3.27
110		TVHC as equiv Pentane	8.679	7.972	8.1	97	0.00	2.30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Thu Aug 29 00:23:32 2024

6.9.5

6

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W378-CC305
Lab FileID: 7W10269.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w10269.D Vial: 2
Acq On : 5 Nov 2024 9:53 am Operator: thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86513,v7w378,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	75	0.00	3.27
2	T	FREON 115	1.282	1.688	-31.7#	89	0.00	1.62
3	T	FREON 152A	0.692	0.905	-30.8#	98	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.353	-5.7	79	0.00	1.67
5	T	CHLOROTRIFLUOROETHENE	1.623	1.916	-18.1	90	0.00	1.68
6	T	DICHLORODIFLUOROMETHANE	4.010	3.948	1.5	72	0.00	1.69
7	T	PROPYLENE	0.958	1.161	-21.2	97	0.00	1.68
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	2.734	18.6	60#	0.00	1.73
9	T	FREON 114	3.411	3.206	6.0	68	0.00	1.77
10	T	CHLOROMETHANE	0.519	0.467	10.0	72	0.00	1.74
11	T	VINYL CHLORIDE	1.597	1.612	-0.9	75	0.00	1.80
12	t	1,3-BUTADIENE	1.298	1.304	-0.5	76	0.00	1.84
13	T	N-BUTANE	2.371	2.280	3.8	71	0.00	1.86
14	T	BROMOMETHANE	1.277	1.188	7.0	71	0.00	1.91
15	T	CHLOROETHANE	0.818	0.835	-2.1	75	0.00	1.97
16	T	DICHLOROFLUOROMETHANE	3.126	3.001	4.0	70	0.00	1.99
17	T	ACETONITRILE	1.552	1.462	5.8	77	0.00	2.06
18	T	ACROLEIN	0.779	0.766	1.7	75	0.00	2.10
19	T	FREON 123	3.176	3.049	4.0	71	0.00	2.11
20	T	FREON 123A	1.822	1.741	4.4	69	0.00	2.13
21	T	TRICHLOROFLUOROMETHANE	3.596	3.199	11.0	64	0.00	2.20
22	T	ISOPROPYL ALCOHOL	3.387	3.069	9.4	71	0.00	2.22
23	T	ACETONE	0.923	0.893	3.3	80	0.00	2.14
24	T	PENTANE	1.720	1.658	3.6	76	0.00	2.31
25	T	IODOMETHANE	3.102	2.948	5.0	68	0.00	2.37
26	T	1,1-DICHLOROETHYLENE	1.338	1.239	7.4	68	0.00	2.40
27	T	CARBON DISULFIDE	3.900	3.382	13.3	63	0.01	2.53
28	T	ETHANOL	0.925	0.858	7.2	75	0.00	2.00
29	T	BROMOETHENE	1.221	1.197	2.0	71	0.00	2.07
30	T	ACRYLONITRILE	1.255	1.150	8.4	74	0.00	2.28
31	T	METHYLENE CHLORIDE	1.377	1.145	16.8	68	0.00	2.43
32	T	3-CHLOROPROPENE	0.705	0.618	12.3	66	0.00	2.48
33	T	FREON 113	2.106	1.850	12.2	64	0.00	2.53
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.412	-8.2	81	0.00	2.76
35	T	TERTIARY BUTYL ALCOHOL	3.251	3.007	7.5	67	0.00	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.666	-11.8	83	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.721	-15.4	81	0.00	3.56
38	T	HEXANE	2.729	2.941	-7.8	83	0.00	3.33
39	T	VINYL ACETATE	0.298	0.345	-15.8	85	0.00	2.91
40	T	1,1-DICHLOROETHANE	2.432	2.846	-17.0	87	0.00	2.84
41	T	METHYL ETHYL KETONE	0.665	0.758	-14.0	84	0.00	3.00
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.484	-7.2	80	0.00	3.20

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W378-CC305
Lab FileID: 7W10269.D

43	T	DIISOPROPYL ETHER	0.710	0.815	-14.8	82	0.00	3.33
44	T	ETHYL ACETATE	0.522	0.571	-9.4	81	0.00	3.33
45	T	METHYL ACRYLATE	2.989	3.340	-11.7	80	0.00	3.32
46	T	CHLOROFORM	2.799	2.819	-0.7	74	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	2.920	3.365	-15.2	86	0.00	3.84
48	T	1,1,1-TRICHLOROETHANE	2.548	2.701	-6.0	79	0.00	3.92
49	T	CARBON TETRACHLORIDE	2.501	2.749	-9.9	79	0.00	4.34
50	T	1,2-DICHLOROETHANE	2.123	2.074	2.3	73	0.00	3.76
51	t	BENZENE	4.119	4.365	-6.0	82	0.00	4.23
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	75	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.379	-7.4	81	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.181	0.203	-12.2	83	0.00	4.69
55	T	TRICHLOROETHENE	0.383	0.389	-1.6	77	0.00	5.13
56	T	1,2-DICHLOROPROPANE	0.341	0.394	-15.5	85	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.330	-2.8	79	0.00	4.86
58	T	ETHYL ACRYLATE	0.731	0.824	-12.7	83	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.614	-4.4	75	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.791	-10.6	83	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.220	-4.8	80	-0.02	5.15
62	T	HEPTANE	0.568	0.597	-5.1	80	0.00	5.54
63	T	METHYL METHACRYLATE	0.306	0.339	-10.8	83	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.353	-0.9	80	0.00	6.17
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.508	-16.2	82	0.00	6.06
66	T	TOLUENE	1.064	1.078	-1.3	76	0.00	7.27
67	T	1,3-DICHLOROPROPANE	0.523	0.541	-3.4	76	0.00	7.32
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.437	-22.1	88	0.00	6.74
69	T	1,1,2-TRICHLOROETHANE	0.291	0.311	-6.9	79	0.00	6.90
70	T	2-HEXANONE	0.534	0.507	5.1	78	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.571	-12.8	82	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.384	-1.1	80	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.598	-7.4	75	0.00	7.80
74	T	1,2-DIBROMOETHANE	0.512	0.541	-5.7	76	0.00	8.14
75	T	OCTANE	0.855	0.832	2.7	77	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	75	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.466	-8.6	79	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.925	4.4	72	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.504	5.2	73	0.00	11.08
80	t	M,P-XYLENE	1.253	1.187	5.3	72	0.00	11.51
81	t	O-XYLENE	1.258	1.176	6.5	71	0.00	12.44
82	T	STYRENE	0.910	0.912	-0.2	74	0.00	12.23
83	T	NONANE	0.995	0.949	4.6	73	0.00	13.56
84	T	BROMOFORM	0.544	0.588	-8.1	76	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.869	1.9	72	0.00	12.45
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.690	3.6	72	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.703	4.2	73	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.461	3.4	72	0.00	13.96
89	T	BROMOBENZENE	0.902	0.865	4.1	71	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.422	3.4	71	0.00	14.96
91	T	N-PROPYLBENZENE	0.491	0.479	2.4	71	0.00	15.30
92	T	4-ETHYLTOLUENE	1.738	1.691	2.7	71	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.384	5.3	70	0.00	16.00
94	T	ALPHA-METHYLSTYRENE	0.777	0.736	5.3	69	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.334	4.6	72	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.411	7.7	68	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.806	-81.1#	107	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	0.986	3.3	71	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	0.958	5.2	71	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.914	6.4	71	0.00	17.04

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W378-CC305
Lab FileID: 7W10269.D

101	T	SEC-BUTYLBENZENE	0.440	0.420	4.5	70	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.397	9.7	68	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.461	6.1	69	0.00	17.07
104	T	N-BUTYLBENZENE	0.488	0.460	5.7	68	0.00	17.43
105	T	HEXACHLOROETHANE	0.473	0.508	-7.4	78	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.726	1.1	76	0.00	18.66
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.912	6.7	72	0.00	18.35
108	T	NAPHTHALENE	2.554	2.077	18.7	65	0.00	18.40
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	75	0.00	3.27
110		TVHC as equiv Pentane	8.679	7.828	9.8	72	0.00	2.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Tue Nov 05 16:43:40 2024

Initial Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W405-ICC405
Lab FileID: 7W11240.D

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Calibration Files
0.04=7w11233.D 0.10=7w11234.D 0.20=7w11235.D 0.5 =7w11237.D
5.0 =7w11238.D 10 =7w11240.D 20 =7w11241.D 40 =7w11242.D
50 =7w11243.D =

Compound	0.04	0.10	0.20	0.5	5.0	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) FREON 152A	0.358	0.490	0.489	0.497	0.477	0.502	0.511	0.493	0.469	0.476	9.67
4) CHLORODIFLUOROMETHANE	0.230	0.259	0.239	0.254	0.228	0.245	0.248	0.243	0.229	0.242	4.56
5) CHLOROTRIFLUOROETHENE	0.964	1.190	1.217	1.200	1.155	1.229	1.224	1.188	1.114	1.165	7.17
6) DICHLORODIFLUOROMETHANE	2.070	2.643	2.595	2.579	2.476	2.598	2.602	2.515	2.360	2.493	7.24
7) PROPYLENE	0.852	0.749	0.673	0.667	0.573	0.614	0.613	0.598	0.566	0.656	14.20
8) 1-CHLORO-1,1-DIFLUOROETHANE	1.709	1.969	1.873	1.889	1.828	1.916	1.906	1.823	1.707	1.847	4.89
9) FREON 114	1.660	2.082	1.985	2.047	1.995	2.082	2.079	1.998	1.871	1.978	6.92
10) CHLOROMETHANE	0.322	0.328	0.258	0.242	0.230	0.246	0.245	0.237	0.223	0.259	14.95
11) VINYL CHLORIDE	0.668	0.831	0.867	0.863	0.846	0.880	0.891	0.864	0.816	0.836	8.03
12) 1,3-BUTADIENE	1.019	0.795	0.723	0.665	0.617	0.663	0.666	0.649	0.617	0.713	17.91
13) N-BUTANE	1.759	1.337	1.321	1.328	1.137	1.230	1.234	1.198	1.128	1.297	14.66
14) BROMOMETHANE	0.798	0.810	0.732	0.773	0.722	0.749	0.743	0.721	0.680	0.748	5.45
15) CHLOROETHANE	0.482	0.497	0.442	0.460	0.428	0.454	0.451	0.440	0.419	0.453	5.48
16) DICHLOROFLUOROMETHANE	1.519	1.902	1.861	1.820	1.723	1.818	1.817	1.751	1.659	1.763	6.66
17) ACETONITRILE	0.760	1.147	0.892	0.788	0.710	0.749	0.751	0.737	0.699	0.804	17.49
18) ACROLEIN	0.509	0.455	0.475	0.437	0.373	0.391	0.400	0.391	0.369	0.422	11.64
19) FREON 123	1.880	2.254	1.874	1.900	1.821	1.905	1.903	1.851	1.736	1.903	7.48
20) FREON 123A	1.119	1.367	1.211	1.199	1.151	1.206	1.194	1.142	1.073	1.185	6.95
21) TRICHLOROFLUOROMETHANE	1.733	2.305	2.304	2.256	2.230	2.351	2.318	2.202	2.062	2.196	8.81
22) ISOPROPYL ALCOHOL	1.943	2.205	2.115	1.850	1.728	1.776	1.760	1.689	1.606	1.853	10.77
23) ACETONE											

		0.884	0.907	0.725	0.505	0.461	0.452	0.451	0.433	0.412	0.581	34.59
24)	PENTANE											
		0.949	0.984	0.897	0.926	0.828	0.883	0.883	0.851	0.807	0.890	6.41
25)	IODOMETHANE											
		1.610	2.061	2.056	2.117	2.075	2.143	2.120	2.021	1.908	2.012	8.26
26)	1,1-DICHLOROETHYLENE											
		1.084	1.061	0.827	0.865	0.797	0.822	0.817	0.789	0.742	0.867	13.97
27)	CARBON DISULFIDE											
		1.793	2.247	2.149	2.282	2.124	2.278	2.279	2.204	2.078	2.159	7.24
28)	ETHANOL											
					0.712	0.544	0.465	0.459	0.441	0.422	0.507	21.46
29)	BROMOETHENE											
		0.796	0.896	0.817	0.785	0.774	0.811	0.798	0.769	0.724	0.797	5.82
30)	ACRYLONITRILE											
			1.070	1.045	0.677	0.601	0.611	0.607	0.584	0.557	0.719	29.44
31)	METHYLENE CHLORIDE											
				1.103	0.887	0.720	0.737	0.730	0.700	0.662	0.791	19.53
32)	3-CHLOROPROPENE											
		0.367	0.466	0.441	0.418	0.398	0.415	0.416	0.402	0.383	0.412	7.19
33)	FREON 113											
		1.040	1.382	1.429	1.352	1.349	1.390	1.367	1.290	1.215	1.313	9.11
34)	TRANS-1,2-DICHLOROETHENE											
		1.026	1.040	0.880	0.894	0.861	0.882	0.885	0.851	0.805	0.903	8.69
35)	TERTIARY BUTYL ALCOHOL											
		1.867	2.312	2.318	2.257	2.132	2.170	2.149	2.043	1.927	2.131	7.50
36)	METHYL TERTIARY BUTYL ETHER											
		2.390	2.737	2.720	2.638	2.514	2.646	2.640	2.540	2.407	2.581	4.89
37)	TETRAHYDROFURAN											
		0.213	0.399	0.418	0.436	0.425	0.436	0.441	0.427	0.405	0.400	17.86
38)	HEXANE											
		1.805	1.948	1.655	1.655	1.532	1.618	1.602	1.545	1.462	1.647	9.03
39)	VINYL ACETATE											
		0.167	0.286	0.249	0.266	0.228	0.252	0.257	0.253	0.240	0.244	13.54
40)	1,1-DICHLOROETHANE											
		1.300	1.725	1.650	1.713	1.592	1.695	1.687	1.629	1.544	1.615	8.17
41)	METHYL ETHYL KETONE											
		0.319	0.514	0.485	0.451	0.436	0.463	0.462	0.446	0.423	0.444	12.19
42)	CIS-1,2-DICHLOROETHENE											
		0.735	1.032	0.948	0.992	0.910	0.973	0.969	0.926	0.882	0.930	9.21
43)	DIISOPROPYL ETHER											
		0.384	0.533	0.516	0.468	0.438	0.458	0.457	0.436	0.414	0.456	10.20
44)	ETHYL ACETATE											
		0.245	0.336	0.336	0.330	0.321	0.334	0.328	0.314	0.296	0.316	9.33
45)	METHYL ACRYLATE											
		1.427	2.048	1.928	1.944	1.819	1.936	1.931	1.857	1.763	1.850	9.66
46)	CHLOROFORM											
		1.631	1.901	1.879	1.953	1.798	1.920	1.885	1.793	1.690	1.828	5.98
47)	2,4-DIMETHYLPENTANE											
		1.747	2.005	1.839	1.846	1.731	1.867	1.848	1.795	1.710	1.821	4.92
48)	1,1,1-TRICHLOROETHANE											
		1.636	2.058	1.974	2.049	1.936	2.054	2.060	1.992	1.881	1.960	6.97
49)	CARBON TETRACHLORIDE											
		1.268	1.747	1.831	1.989	2.007	2.200	2.225	2.167	2.063	1.944	15.47
50)	1,2-DICHLOROETHANE											
		1.129	1.422	1.318	1.446	1.355	1.452	1.456	1.404	1.334	1.368	7.59
51)	BENZENE											
		2.592	2.909	2.787	2.706	2.537	2.707	2.705	2.614	2.478	2.671	4.93
52)	I 1,4-DIFLUOROBENZENE	----------	ISTD	----------								
53)	CYCLOHEXANE											

		0.212	0.240	0.240	0.246	0.226	0.247	0.246	0.240	0.228	0.236	4.99
54)	2,3-DIMETHYLPENTANE											
		0.131	0.127	0.121	0.129	0.117	0.127	0.125	0.123	0.117	0.124	3.96
55)	TRICHLOROETHENE											
		0.194	0.269	0.255	0.272	0.252	0.269	0.268	0.260	0.248	0.254	9.52
56)	1,2-DICHLOROPROPANE											
		0.185	0.227	0.223	0.222	0.211	0.226	0.226	0.221	0.210	0.217	6.21
57)	DIBROMOMETHANE											
		0.265	0.280	0.230	0.244	0.214	0.236	0.233	0.229	0.218	0.239	8.92
58)	ETHYL ACRYLATE											
		0.346	0.447	0.496	0.453	0.459	0.493	0.495	0.489	0.469	0.461	10.22
59)	BROMODICHLOROMETHANE											
		0.315	0.409	0.389	0.406	0.402	0.442	0.438	0.432	0.412	0.405	9.41
60)	2,2,4-TRIMETHYLPENTANE											
		0.836	1.033	0.940	0.998	0.952	0.999	0.997	0.973	0.926	0.962	6.01
61)	1,4-DIOXANE											
		0.085	0.148	0.205	0.141	0.151	0.143	0.139	0.134	0.129	0.142	21.73
62)	HEPTANE											
		0.269	0.380	0.342	0.362	0.322	0.349	0.348	0.342	0.328	0.338	9.25
63)	METHYL METHACRYLATE											
		0.216	0.237	0.237	0.214	0.204	0.216	0.215	0.212	0.203	0.217	5.75
64)	METHYL ISOBUTYL KETONE											
		0.148	0.203	0.298	0.192	0.202	0.198	0.197	0.193	0.184	0.202	19.77
65)	CIS-1,3-DICHLOROPROPENE											
		0.252	0.333	0.325	0.344	0.340	0.370	0.372	0.369	0.352	0.340	10.89
66)	TOLUENE											
		0.706	0.762	0.707	0.693	0.667	0.718	0.719	0.709	0.677	0.707	3.87
67)	1,3-DICHLOROPROPANE											
		0.261	0.324	0.327	0.341	0.328	0.355	0.354	0.348	0.332	0.330	8.59
68)	TRANS-1,3-DICHLOROPROPENE											
		0.231	0.325	0.302	0.311	0.314	0.347	0.352	0.353	0.338	0.319	11.89
69)	1,1,2-TRICHLOROETHANE											
		0.164	0.195	0.200	0.200	0.191	0.203	0.203	0.200	0.191	0.194	6.39
70)	2-HEXANONE											
		0.203	0.278	0.613	0.275	0.378	0.280	0.279	0.272	0.257	0.315	38.27
71)	ETHYL METHACRYLATE											
		0.403	0.397	0.397	0.361	0.363	0.376	0.378	0.370	0.354	0.378	4.72
72)	TETRACHLOROETHENE											
		0.239	0.277	0.267	0.276	0.264	0.277	0.275	0.273	0.261	0.268	4.58
73)	DIBROMOCHLOROMETHANE											
		0.289	0.392	0.387	0.409	0.396	0.445	0.458	0.458	0.439	0.408	12.93
74)	1,2-DIBROMOETHANE											
		0.265	0.356	0.338	0.360	0.357	0.388	0.388	0.384	0.365	0.356	10.74
75)	OCTANE											
		0.440	0.501	0.503	0.481	0.449	0.490	0.492	0.488	0.466	0.479	4.72
76)	I CHLOROBENZENE-D5	----------				ISTD				----------		
77)	1,1,1,2-TETRACHLOROETHANE											
		0.233	0.339	0.312	0.329	0.314	0.347	0.347	0.339	0.317	0.320	11.00
78)	CHLOROBENZENE											
		0.470	0.579	0.568	0.615	0.577	0.625	0.625	0.608	0.571	0.582	8.24
79)	ETHYLBENZENE											
		1.042	1.027	1.003	0.984	0.923	1.000	0.995	0.975	0.915	0.985	4.33
80)	M,P-XYLENE											
		0.699	0.841	0.767	0.794	0.742	0.801	0.798	0.779	0.728	0.772	5.61
81)	O-XYLENE											
		0.739	0.837	0.777	0.774	0.744	0.801	0.798	0.777	0.731	0.775	4.39
82)	STYRENE											
		0.392	0.537	0.524	0.555	0.562	0.617	0.619	0.615	0.579	0.555	12.69
83)	NONANE											

```
           0.527 0.522 0.529 0.541 0.514 0.553 0.553 0.544 0.510   0.533    3.00
 84)  BROMOFORM
           0.261 0.370 0.358 0.381 0.371 0.425 0.437 0.434 0.412   0.383   14.29
 85)  1,1,2,2-TETRACHLOROETHANE
           0.408 0.523 0.506 0.528 0.514 0.557 0.557 0.542 0.509   0.516    8.68
 86)  1,2,3-TRICHLOROPROPANE
           0.306 0.394 0.401 0.424 0.421 0.454 0.451 0.441 0.414   0.412   10.86
 87)  4-BROMOFLUOROBENZENE
           0.717 0.717 0.716 0.714 0.738 0.726 0.732 0.737 0.735   0.726    1.34
 88)  ISOPROPYLBENZENE
           0.229 0.294 0.293 0.305 0.295 0.320 0.320 0.314 0.296   0.296    9.27
 89)  BROMOBENZENE
           0.460 0.573 0.537 0.562 0.542 0.589 0.589 0.576 0.542   0.552    7.22
 90)  2-CHLOROTOLUENE
           0.173 0.276 0.265 0.268 0.274 0.299 0.299 0.294 0.277   0.269   14.21
 91)  N-PROPYLBENZENE
           0.199 0.292 0.284 0.299 0.311 0.335 0.335 0.334 0.314   0.300   14.10
 92)  4-ETHYLTOLUENE
           0.852 1.057 1.025 1.051 1.077 1.163 1.177 1.172 1.119   1.077    9.43
 93)  1,3,5-TRIMETHYLBENZENE
           0.724 0.880 0.876 0.896 0.910 0.970 0.982 0.987 0.932   0.906    8.90
 94)  ALPHA-METHYLSTYRENE
           0.329 0.422 0.430 0.445 0.473 0.512 0.523 0.530 0.503   0.463   13.93
 95)  TERT-BUTYLBENZENE
           0.175 0.209 0.215 0.216 0.222 0.233 0.234 0.231 0.217   0.217    8.36
 96)  1,2,4-TRIMETHYLBENZENE
           0.742 0.878 0.883 0.906 0.922 0.978 0.993 0.996 0.928   0.914    8.56
 97)  BENZYL CHLORIDE
           0.612 0.672 0.698 0.715 0.809 0.917 0.953 0.979 0.931   0.810   17.20
 98)  M-DICHLOROBENZENE
           0.464 0.593 0.602 0.618 0.620 0.678 0.691 0.694 0.653   0.624   11.36
 99)  P-DICHLOROBENZENE
           0.457 0.594 0.585 0.595 0.598 0.654 0.670 0.674 0.635   0.607   10.84
100)  O-DICHLOROBENZENE
           0.484 0.575 0.578 0.583 0.574 0.624 0.636 0.641 0.606   0.589    8.07
101)  SEC-BUTYLBENZENE
           0.197 0.251 0.263 0.274 0.279 0.295 0.298 0.296 0.278   0.270   11.75
102)  1,2,3-TRIMETHYLBENZENE
           0.735 0.879 0.889 0.912 0.911 0.975 0.992 1.004 0.945   0.916    8.85
103)  P-ISOPROPYLTOLUENE
           0.221 0.290 0.300 0.296 0.308 0.326 0.327 0.324 0.304   0.300   10.79
104)  N-BUTYLBENZENE
           0.210 0.269 0.273 0.293 0.301 0.322 0.328 0.330 0.309   0.293   12.98
105)  HEXACHLOROETHANE
           0.229 0.317 0.322 0.323 0.353 0.396 0.407 0.406 0.385   0.349   16.65
106)  HEXACHLOROBUTADIENE
           0.344 0.402 0.406 0.420 0.436 0.474 0.504 0.492 0.463   0.438   11.65
107)  1,2,4-TRICHLOROBENZENE
           0.367 0.354 0.367 0.400 0.515 0.587 0.632 0.664 0.643   0.503   26.18
108)  NAPHTHALENE
                 0.748 0.720 0.782 1.090 1.286 1.342 1.494 1.474   1.117   29.42

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
           4.273 4.626 4.148 4.425 4.130 4.221 4.321 4.157 3.915   4.246    4.74
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W405.M          Sun Dec 29 19:44:19 2024
```

Initial Calibration Verification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W405-ICV405
Lab FileID: 7W11247.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w\7w11247.D Vial: 5
Acq On : 28 Dec 2024 6:36 pm Operator: benk
Sample : icv405-10 Inst : MS7W
Misc : MS74014,v7w405,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	98	0.00	3.23
2	T	FREON 115						
3	T	FREON 152A	0.476	0.512	-7.6	100	0.00	1.62
4	T	CHLORODIFLUOROMETHANE	0.242	0.255	-5.4	102	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.242	-6.6	99	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.658	-6.6	100	0.00	1.67
7	T	PROPYLENE	0.656	0.627	4.4	100	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	1.976	-7.0	101	0.00	1.70
9	T	FREON 114	1.978	2.125	-7.4	100	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.246	5.0	98	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.889	-6.3	99	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.676	5.2	100	0.00	1.81
13	T	N-BUTANE	1.297	1.274	1.8	101	0.00	1.82
14	T	BROMOMETHANE	0.748	0.771	-3.1	100	0.00	1.88
15	T	CHLOROETHANE	0.453	0.464	-2.4	100	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	1.915	-8.6	103	0.00	1.96
17	T	ACETONITRILE	0.804	0.794	1.2	104	0.00	2.02
18	T	ACROLEIN	0.422	0.421	0.2	105	0.00	2.06
19	T	FREON 123	1.903	1.900	0.2	97	0.00	2.08
20	T	FREON 123A	1.185	1.123	5.2	91	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.404	-9.5	100	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.854	-0.1	102	0.00	2.17
23	T	ACETONE	0.581	0.468	19.4	101	0.00	2.10
24	T	PENTANE	0.890	0.900	-1.1	100	0.00	2.27
25	T	IODOMETHANE	2.012	2.204	-9.5	100	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.846	2.4	101	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.476	-14.7	106	0.00	2.49
28	T	ETHANOL	0.507	0.416	17.9	87	0.00	1.96
29	T	BROMOETHENE	0.797	0.815	-2.3	98	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.624	13.2	100	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.772	2.4	102	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.431	-4.6	101	0.00	2.44
33	T	FREON 113	1.313	1.457	-11.0	102	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.928	-2.8	103	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.441	-14.5	110	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.684	-4.0	99	0.00	2.82
37	T	TETRAHYDROFURAN	0.400	0.465	-16.3	104	0.00	3.51
38	T	HEXANE	1.647	1.605	2.6	97	0.00	3.28
39	T	VINYL ACETATE	0.244	0.267	-9.4	104	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.714	-6.1	99	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.463	-4.3	98	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.993	-6.8	100	0.00	3.15

Initial Calibration Verification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W405-ICV405
Lab FileID: 7W11247.D

43	T	DIISOPROPYL ETHER	0.456	0.469	-2.9	100	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.332	-5.1	97	0.00	3.28
45	T	METHYL ACRYLATE	1.850	1.989	-7.5	100	0.00	3.27
46	T	CHLOROFORM	1.828	1.993	-9.0	101	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.866	-2.5	98	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	2.104	-7.3	100	0.00	3.86
49	T	CARBON TETRACHLORIDE	1.944	2.247	-15.6	100	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.485	-8.6	100	0.00	3.70
51	t	BENZENE	2.671	2.775	-3.9	100	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.249	-5.5	99	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.128	-3.2	99	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.275	-8.3	100	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.232	-6.9	100	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.245	-2.5	102	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.505	-9.5	100	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.449	-10.9	100	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.005	-4.5	98	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.144	-1.4	99	0.00	5.08
62	T	HEPTANE	0.338	0.350	-3.6	98	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.220	-1.4	100	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.200	1.0	98	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.352	-3.5	93	0.00	5.99
66	T	TOLUENE	0.707	0.721	-2.0	98	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.363	-10.0	100	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.352	-10.3	99	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.210	-8.2	101	0.00	6.82
70	T	2-HEXANONE	0.315	0.284	9.8	99	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.386	-2.1	100	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.281	-4.9	99	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.456	-11.8	100	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.398	-11.8	100	0.00	8.06
75	T	OCTANE	0.479	0.491	-2.5	98	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.353	-10.3	100	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.631	-8.4	99	0.00	10.11
79	t	ETHYLBENZENE	0.985	1.014	-2.9	99	0.00	10.99
80	t	M,P-XYLENE	0.772	0.809	-4.8	99	0.00	11.42
81	t	O-XYLENE	0.775	0.802	-3.5	98	0.00	12.34
82	T	STYRENE	0.555	0.620	-11.7	99	0.00	12.14
83	T	NONANE	0.533	0.556	-4.3	99	0.00	13.47
84	T	BROMOFORM	0.383	0.409	-6.8	94	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.575	-11.4	101	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.465	-12.9	101	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.730	-0.6	99	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.327	-10.5	100	0.00	13.86
89	T	BROMOBENZENE	0.552	0.606	-9.8	101	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.308	-14.5	101	0.00	14.86
91	T	N-PROPYLBENZENE	0.300	0.338	-12.7	99	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.184	-9.9	100	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.984	-8.6	99	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.536	-15.8	103	0.00	16.21
95	T	TERT-BUTYLBENZENE	0.217	0.237	-9.2	100	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	0.996	-9.0	100	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.987	-21.9	106	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.693	-11.1	100	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.670	-10.4	100	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.639	-8.5	100	0.00	17.01

Initial Calibration Verification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W405-ICV405
Lab FileID: 7W11247.D

101	T	SEC-BUTYLBENZENE	0.270	0.303	-12.2	101	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	0.994	-8.5	100	0.00	16.96
103	T	P-ISOPROPYLTOLUENE	0.300	0.334	-11.3	100	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.323	-10.2	98	0.00	17.40
105	T	HEXACHLOROETHANE	0.349	0.399	-14.3	99	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.460	-5.0	95	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.577	-14.7	96	0.00	18.32
108	T	NAPHTHALENE	1.117	1.318	-18.0	100	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	98	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.421	-4.1	102	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Mon Dec 30 11:08:54 2024

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W415-CC405
Lab FileID: 7W11571.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2025\V7W415\7w11571.D Vial: 3
Acq On : 7 Jan 2025 9:29 pm Operator: benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	99	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.505	-6.1	100	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.265	-9.5	107	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.191	-2.2	96	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.770	-11.1	106	0.00	1.67
7	T	PROPYLENE	0.656	0.690	-5.2	111	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	2.074	-12.3	107	0.00	1.71
9	T	FREON 114	1.978	2.271	-14.8	108	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.308	-18.9	124	0.00	1.71
11	T	VINYL CHLORIDE	0.836	1.063	-27.2	120	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.821	-15.1	123	0.00	1.81
13	T	N-BUTANE	1.297	1.570	-21.0	126	0.00	1.82
14	T	BROMOMETHANE	0.748	0.807	-7.9	107	0.00	1.89
15	T	CHLOROETHANE	0.453	0.537	-18.5	117	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	2.093	-18.7	114	0.00	1.96
17	T	ACETONITRILE	0.804	0.988	-22.9	131	0.00	2.02
18	T	ACROLEIN	0.422	0.473	-12.1	120	0.00	2.06
19	T	FREON 123	1.903	2.097	-10.2	109	0.00	2.08
20	T	FREON 123A	1.185	1.242	-4.8	102	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.435	-10.9	103	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	2.146	-15.8	120	0.00	2.17
23	T	ACETONE	0.581	0.543	6.5	119	0.00	2.10
24	T	PENTANE	0.890	1.122	-26.1	126	0.00	2.27
25	T	IODOMETHANE	2.012	2.105	-4.6	97	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.863	0.5	104	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.531	-17.2	110	0.00	2.49
28	T	ETHANOL	0.507	0.618	-21.9	132	0.00	1.96
29	T	BROMOETHENE	0.797	0.834	-4.6	102	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.749	-4.2	122	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.794	-0.4	107	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.437	-6.1	104	0.00	2.44
33	T	FREON 113	1.313	1.356	-3.3	97	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.929	-2.9	104	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.378	-11.6	109	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.603	-0.9	98	0.00	2.82
37	T	TETRAHYDROFURAN	0.400	0.448	-12.0	102	0.00	3.51
38	T	HEXANE	1.647	1.805	-9.6	111	0.00	3.28
39	T	VINYL ACETATE	0.244	0.236	3.3	93	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.789	-10.8	105	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.459	-3.4	98	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.954	-2.6	97	0.00	3.15

Continuing Calibration Summary

Job Number: JE3522 **Sample:** V7W415-CC405
Account: PSSNJW Paulus, Sokolowski and Sartor Inc **Lab FileID:** 7W11571.D
Project: Edge on Hudson, Sleepy Hollow, NY

43	T	DIISOPROPYL ETHER	0.456	0.510	-11.8	110	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.349	-10.4	104	0.00	3.28
45	T	METHYL ACRYLATE	1.850	2.109	-14.0	108	0.00	3.27
46	T	CHLOROFORM	1.828	1.991	-8.9	103	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	2.030	-11.5	108	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	2.051	-4.6	99	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	2.052	-5.6	92	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.597	-16.7	109	0.00	3.70
51	t	BENZENE	2.671	2.753	-3.1	101	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	96	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.251	-6.4	97	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.133	-7.3	101	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.277	-9.1	99	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.246	-13.4	104	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.245	-2.5	100	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.532	-15.4	104	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.456	-12.6	99	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.138	-18.3	109	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.144	-1.4	97	0.00	5.08
62	T	HEPTANE	0.338	0.418	-23.7	115	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.219	-0.9	97	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.219	-8.4	106	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.367	-7.9	95	0.00	5.99
66	T	TOLUENE	0.707	0.736	-4.1	98	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.373	-13.0	101	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.335	-5.0	93	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.213	-9.8	100	0.00	6.82
70	T	2-HEXANONE	0.315	0.304	3.5	104	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.381	-0.8	97	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.293	-9.3	101	0.00	8.90
73	T	DIBROMOCHLOROMETHANE	0.408	0.439	-7.6	95	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.394	-10.7	97	0.00	8.06
75	T	OCTANE	0.479	0.583	-21.7	114	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.331	-3.4	93	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.627	-7.7	98	0.00	10.11
79	t	ETHYLBENZENE	0.985	1.008	-2.3	98	0.00	10.98
80	t	M,P-XYLENE	0.772	0.824	-6.7	100	0.00	11.42
81	t	O-XYLENE	0.775	0.830	-7.1	101	0.00	12.35
82	T	STYRENE	0.555	0.617	-11.2	98	0.00	12.13
83	T	NONANE	0.533	0.658	-23.5	116	0.00	13.47
84	T	BROMOFORM	0.383	0.401	-4.7	92	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.588	-14.0	103	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.482	-17.0	104	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.745	-2.6	100	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.319	-7.8	97	0.00	13.86
89	T	BROMOBENZENE	0.552	0.608	-10.1	101	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.293	-8.9	96	0.00	14.85
91	T	N-PROPYLBENZENE	0.300	0.337	-12.3	98	0.00	15.19
92	T	4-ETHYLTOLUENE	1.077	1.199	-11.3	101	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	1.011	-11.6	102	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.529	-14.3	101	0.00	16.22
95	T	TERT-BUTYLBENZENE	0.217	0.241	-11.1	101	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.052	-15.1	105	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.751	7.3	80	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.712	-14.1	103	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.689	-13.5	103	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.661	-12.2	103	0.00	17.01

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W415-CC405
Lab FileID: 7W11571.D

101	T	SEC-BUTYLBENZENE	0.270	0.304	-12.6	100	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.042	-13.8	104	0.00	16.96
103	T	P-ISOPROPYLTOLUENE	0.300	0.334	-11.3	100	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.331	-13.0	100	0.00	17.39
105	T	HEXACHLOROETHANE	0.349	0.337	3.4	83	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.534	-21.9	110	0.00	18.62
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.616	-22.5	102	0.00	18.32
108	T	NAPHTHALENE	1.117	1.314	-17.6	100	0.00	18.36
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	99	0.00	3.23
110		TVHC as equiv Pentane	4.246	5.174	-21.9	121	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Wed Jan 08 21:38:04 2025

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W416-CC405
Lab FileID: 7W11597.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2025\V7W416\7w11597.D Vial: 3
Acq On : 8 Jan 2025 10:56 pm Operator: benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w416,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	102	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.493	-3.6	100	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.253	-4.5	105	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.235	-6.0	103	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.600	-4.3	102	0.00	1.67
7	T	PROPYLENE	0.656	0.603	8.1	100	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	1.865	-1.0	99	0.00	1.70
9	T	FREON 114	1.978	2.066	-4.4	101	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.232	10.4	97	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.888	-6.2	103	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.657	7.9	101	0.00	1.81
13	T	N-BUTANE	1.297	1.187	8.5	99	0.00	1.82
14	T	BROMOMETHANE	0.748	0.762	-1.9	104	0.00	1.89
15	T	CHLOROETHANE	0.453	0.464	-2.4	104	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	1.884	-6.9	106	0.00	1.96
17	T	ACETONITRILE	0.804	0.748	7.0	102	0.00	2.02
18	T	ACROLEIN	0.422	0.387	8.3	101	0.00	2.06
19	T	FREON 123	1.903	1.964	-3.2	105	0.00	2.08
20	T	FREON 123A	1.185	1.178	0.6	100	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.294	-4.5	100	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.688	8.9	97	0.00	2.17
23	T	ACETONE	0.581	0.451	22.4	102	0.00	2.10
24	T	PENTANE	0.890	0.860	3.4	100	0.00	2.27
25	T	IODOMETHANE	2.012	2.042	-1.5	97	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.823	5.1	102	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.333	-8.1	105	0.00	2.50
28	T	ETHANOL	0.507	0.482	4.9	106	0.00	1.96
29	T	BROMOETHENE	0.797	0.799	-0.3	101	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.595	17.2	99	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.751	5.1	104	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.406	1.5	100	0.00	2.44
33	T	FREON 113	1.313	1.295	1.4	95	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.885	2.0	102	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.089	2.0	98	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.636	-2.1	102	0.00	2.83
37	T	TETRAHYDROFURAN	0.400	0.449	-12.2	105	0.00	3.51
38	T	HEXANE	1.647	1.634	0.8	103	0.00	3.28
39	T	VINYL ACETATE	0.244	0.249	-2.0	101	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.697	-5.1	102	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.470	-5.9	104	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.977	-5.1	103	0.00	3.15

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W416-CC405
Lab FileID: 7W11597.D

43	T	DIISOPROPYL ETHER	0.456	0.462	-1.3	103	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.328	-3.8	100	0.00	3.29
45	T	METHYL ACRYLATE	1.850	1.881	-1.7	99	0.00	3.27
46	T	CHLOROFORM	1.828	1.944	-6.3	103	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.865	-2.4	102	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	2.037	-3.9	101	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	2.059	-5.9	96	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.476	-7.9	104	0.00	3.70
51	t	BENZENE	2.671	2.764	-3.5	104	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	4.50
53	T	CYCLOHEXANE	0.236	0.256	-8.5	102	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.133	-7.3	104	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.281	-10.6	103	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.235	-8.3	102	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.255	-6.7	107	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.490	-6.3	98	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.460	-13.6	102	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.038	-7.9	102	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.145	-2.1	100	0.00	5.08
62	T	HEPTANE	0.338	0.359	-6.2	101	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.223	-2.8	101	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.206	-2.0	102	0.00	6.10
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.371	-9.1	99	0.00	5.99
66	T	TOLUENE	0.707	0.752	-6.4	103	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.365	-10.6	101	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.343	-7.5	97	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.213	-9.8	103	0.00	6.82
70	T	2-HEXANONE	0.315	0.285	9.5	100	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.390	-3.2	102	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.310	-15.7	110	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.451	-10.5	100	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.400	-12.4	101	0.00	8.06
75	T	OCTANE	0.479	0.504	-5.2	101	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	102	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.330	-3.1	97	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.620	-6.5	101	0.00	10.11
79	t	ETHYLBENZENE	0.985	1.016	-3.1	103	0.00	10.99
80	t	M,P-XYLENE	0.772	0.824	-6.7	104	0.00	11.42
81	t	O-XYLENE	0.775	0.824	-6.3	105	0.00	12.35
82	T	STYRENE	0.555	0.622	-12.1	103	0.00	12.14
83	T	NONANE	0.533	0.549	-3.0	101	0.00	13.47
84	T	BROMOFORM	0.383	0.422	-10.2	101	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.577	-11.8	105	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.461	-11.9	103	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.740	-1.9	104	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.320	-8.1	101	0.00	13.86
89	T	BROMOBENZENE	0.552	0.602	-9.1	104	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.294	-9.3	100	0.00	14.86
91	T	N-PROPYLBENZENE	0.300	0.334	-11.3	101	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.188	-10.3	104	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	1.002	-10.6	105	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.526	-13.6	104	0.00	16.21
95	T	TERT-BUTYLBENZENE	0.217	0.234	-7.8	102	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.015	-11.1	105	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.828	-2.2	92	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.705	-13.0	106	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.682	-12.4	106	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.647	-9.8	105	0.00	17.01

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V7W416-CC405
Lab FileID: 7W11597.D

101	T	SEC-BUTYLBENZENE	0.270	0.299	-10.7	103	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.011	-10.4	105	0.00	16.96
103	T	P-ISOPROPYLTOLUENE	0.300	0.326	-8.7	102	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.322	-9.9	102	0.00	17.39
105	T	HEXACHLOROETHANE	0.349	0.334	4.3	86	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.531	-21.2	114	-0.01	18.62
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.624	-24.1	108	0.00	18.31
108	T	NAPHTHALENE	1.117	1.300	-16.4	103	0.00	18.36
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	102	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.054	4.5	98	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Thu Jan 09 18:15:56 2025

6.9.10

6

Run Sequence Report

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V5W2125	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2125-BFB	5W55458.D	12/09/24 03:34	n/a	BFB Tune
V5W2125-IC2125	5W55459.D	12/09/24 04:14	n/a	Initial cal 0.04
V5W2125-IC2125	5W55460.D	12/09/24 04:54	n/a	Initial cal 0.1
V5W2125-IC2125	5W55461.D	12/09/24 05:35	n/a	Initial cal 0.2
V5W2125-IC2125	5W55463.D	12/09/24 06:59	n/a	Initial cal 0.5
V5W2125-IC2125	5W55464.D	12/09/24 07:45	n/a	Initial cal 5
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	n/a	Initial cal 10
V5W2125-IC2125	5W55467.D	12/09/24 09:45	n/a	Initial cal 20
V5W2125-IC2125	5W55468.D	12/09/24 10:29	n/a	Initial cal 40
V5W2125-IC2125	5W55469.D	12/09/24 11:14	n/a	Initial cal 50
V5W2125-ICV2125	5W55473.D	12/09/24 13:55	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V5W2133	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2133-BFB	5W55699.D	12/17/24 19:52	n/a	BFB Tune
V5W2133-CC2125	5W55700.D	12/17/24 20:32	n/a	Continuing cal 10
V5W2133-BS	5W55701.D	12/17/24 21:13	n/a	Blank Spike
V5W2133-BSD	5W55703.D	12/17/24 22:35	n/a	Blank Spike Duplicate
V5W2133-MB	5W55706.D	12/18/24 00:51	n/a	Method Blank
V5W2133-SCC	5W55707.D	12/18/24 01:36	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55709.D	12/18/24 03:08	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55712.D	12/18/24 05:29	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55713.D	12/18/24 06:16	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55714.D	12/18/24 07:02	n/a	Summa Cleaning Certification
JE2488-2	5W55716.D	12/18/24 08:40	n/a	(used for QC only; not part of job JE3522)
JE2488-2DUP	5W55717.D	12/18/24 09:29	n/a	Duplicate
ZZZZZZ	5W55721.D	12/18/24 12:42	n/a	(unrelated sample)
ZZZZZZ	5W55722.D	12/18/24 13:30	n/a	(unrelated sample)
ZZZZZZ	5W55724.D	12/18/24 14:59	n/a	(unrelated sample)
ZZZZZZ	5W55725.D	12/18/24 15:40	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V7W305	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W305-BFB	7W07974.D	08/18/24 21:06	n/a	BFB Tune
V7W305-IC305	7W07975.D	08/18/24 21:40	n/a	Initial cal 0.04
V7W305-IC305	7W07976.D	08/18/24 22:13	n/a	Initial cal 0.10
V7W305-IC305	7W07977.D	08/18/24 22:49	n/a	Initial cal 0.20
V7W305-IC305	7W07978.D	08/18/24 23:22	n/a	Initial cal 0.50
V7W305-IC305	7W07979.D	08/19/24 00:01	n/a	Initial cal 5
V7W305-ICC305	7W07980.D	08/19/24 00:35	n/a	Initial cal 10
V7W305-IC305	7W07981.D	08/19/24 01:10	n/a	Initial cal 20
V7W305-IC305	7W07982.D	08/19/24 01:48	n/a	Initial cal 40
V7W305-IC305	7W07983.D	08/19/24 02:28	n/a	Initial cal 50
V7W305-ICV305	7W07990.D	08/19/24 06:28	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V7W378	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W378-BFB	7W10268.D	11/05/24 08:58	n/a	BFB Tune
V7W378-CC305	7W10269.D	11/05/24 09:53	n/a	Continuing cal 10
V7W378-BS	7W10270.D	11/05/24 10:29	n/a	Blank Spike
V7W378-BSD	7W10271.D	11/05/24 11:04	n/a	Blank Spike Duplicate
V7W378-MB	7W10273.D	11/05/24 12:25	n/a	Method Blank
ZZZZZZ	7W10274.D	11/05/24 13:14	n/a	(unrelated sample)
ZZZZZZ	7W10275.D	11/05/24 13:55	n/a	(unrelated sample)
V7W378-SCC	7W10279.D	11/05/24 16:27	n/a	Summa Cleaning Certification
ZZZZZZ	7W10280.D	11/05/24 17:08	n/a	(unrelated sample)
JD99425-2	7W10281.D	11/05/24 17:49	n/a	(used for QC only; not part of job JE3522)
JD99425-2DUP	7W10282.D	11/05/24 18:31	n/a	Duplicate
ZZZZZZ	7W10283.D	11/05/24 19:07	n/a	(unrelated sample)
ZZZZZZ	7W10284.D	11/05/24 19:43	n/a	(unrelated sample)
V7W378-SCC	7W10285.D	11/05/24 20:18	n/a	Summa Cleaning Certification
ZZZZZZ	7W10286.D	11/05/24 20:56	n/a	(unrelated sample)
ZZZZZZ	7W10290.D	11/05/24 23:20	n/a	(unrelated sample)
V7W378-SCC	7W10292.D	11/06/24 00:31	n/a	Summa Cleaning Certification
V7W378-SCC	7W10293.D	11/06/24 01:07	n/a	Summa Cleaning Certification
V7W378-SCC	7W10294.D	11/06/24 01:49	n/a	Summa Cleaning Certification
V7W378-SCC	7W10295.D	11/06/24 02:31	n/a	Summa Cleaning Certification
V7W378-SCC	7W10296.D	11/06/24 03:11	n/a	Summa Cleaning Certification
V7W378-SCC	7W10297.D	11/06/24 03:53	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V7W405	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W405-BFB	7W11232.D	12/28/24 08:40	n/a	BFB Tune
V7W405-IC405	7W11233.D	12/28/24 09:16	n/a	Initial cal 0.04
V7W405-IC405	7W11234.D	12/28/24 09:53	n/a	Initial cal 0.10
V7W405-IC405	7W11235.D	12/28/24 10:32	n/a	Initial cal 0.20
V7W405-IC405	7W11237.D	12/28/24 11:51	n/a	Initial cal 0.50
V7W405-IC405	7W11238.D	12/28/24 12:34	n/a	Initial cal 5
V7W405-ICC405	7W11240.D	12/28/24 13:47	n/a	Initial cal 10
V7W405-IC405	7W11241.D	12/28/24 14:25	n/a	Initial cal 20
V7W405-IC405	7W11242.D	12/28/24 15:08	n/a	Initial cal 40
V7W405-IC405	7W11243.D	12/28/24 15:52	n/a	Initial cal 50
V7W405-ICV405	7W11247.D	12/28/24 18:36	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V7W415	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W415-BFB	7W11570.D	01/07/25 20:52	n/a	BFB Tune
V7W415-CC405	7W11571.D	01/07/25 21:29	n/a	Continuing cal 10
V7W415-BS	7W11572.D	01/07/25 22:06	n/a	Blank Spike
V7W415-BSD	7W11573.D	01/07/25 22:43	n/a	Blank Spike Duplicate
V7W415-MB	7W11575.D	01/08/25 00:11	n/a	Method Blank
V7W415-SCC	7W11579.D	01/08/25 02:59	n/a	Summa Cleaning Certification
ZZZZZZ	7W11580.D	01/08/25 03:38	n/a	(unrelated sample)
ZZZZZZ	7W11581.D	01/08/25 04:23	n/a	(unrelated sample)
ZZZZZZ	7W11583.D	01/08/25 05:50	n/a	(unrelated sample)
ZZZZZZ	7W11584.D	01/08/25 06:34	n/a	(unrelated sample)
JE3433-3	7W11585.D	01/08/25 07:18	n/a	(used for QC only; not part of job JE3522)
JE3433-3DUP	7W11588.D	01/08/25 15:57	n/a	Duplicate
ZZZZZZ	7W11589.D	01/08/25 16:34	n/a	(unrelated sample)
JE3522-1	7W11591.D	01/08/25 18:06	n/a	123124VP01 INDOOR
JE3522-3	7W11592.D	01/08/25 18:52	n/a	123124VP02 INDOOR
JE3522-5	7W11593.D	01/08/25 19:37	n/a	123124VP03 INDOOR
ZZZZZZ	7W11594.D	01/08/25 20:22	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V7W416	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W416-BFB	7W11596.D	01/08/25 22:20	n/a	BFB Tune
V7W416-CC405	7W11597.D	01/08/25 22:56	n/a	Continuing cal 10
V7W416-BS	7W11598.D	01/08/25 23:34	n/a	Blank Spike
V7W416-BSD	7W11599.D	01/09/25 00:11	n/a	Blank Spike Duplicate
V7W416-MB	7W11601.D	01/09/25 01:38	n/a	Method Blank
V7W416-SCC	7W11603.D	01/09/25 03:05	n/a	Summa Cleaning Certification
V7W416-SCC	7W11604.D	01/09/25 03:48	n/a	Summa Cleaning Certification
V7W416-SCC	7W11605.D	01/09/25 04:32	n/a	Summa Cleaning Certification
JE3522-7	7W11608.D	01/09/25 06:45	n/a	123124VP04 INDOOR
JE3522-9	7W11609.D	01/09/25 07:30	n/a	123124VP05 INDOOR
JE3522-2	7W11610.D	01/09/25 08:10	n/a	123124VP01 SUBSLAB
JE3522-4	7W11611.D	01/09/25 08:48	n/a	123124VP02 SUBSLAB
JE3522-6	7W11612.D	01/09/25 09:27	n/a	123124VP03 SUBSLAB
JE3522-8	7W11613.D	01/09/25 10:07	n/a	123124VP04 SUBSLAB
JE3522-10	7W11614.D	01/09/25 10:46	n/a	123124VP05 SUBSLAB
JE3522-3	7W11615.D	01/09/25 11:26	n/a	123124VP02 INDOOR
JE3522-5	7W11616.D	01/09/25 12:07	n/a	123124VP03 INDOOR
JE3196-3	7W11617.D	01/09/25 12:51	n/a	(used for QC only; not part of job JE3522)
JE3196-3DUP	7W11618.D	01/09/25 13:36	n/a	Duplicate
ZZZZZZ	7W11619.D	01/09/25 14:20	n/a	(unrelated sample)
JE3522-10	7W11620.D	01/09/25 14:58	n/a	123124VP05 SUBSLAB
ZZZZZZ	7W11621.D	01/09/25 15:38	n/a	(unrelated sample)
ZZZZZZ	7W11622.D	01/09/25 16:16	n/a	(unrelated sample)
ZZZZZZ	7W11623.D	01/09/25 16:56	n/a	(unrelated sample)
ZZZZZZ	7W11624.D	01/09/25 17:41	n/a	(unrelated sample)
ZZZZZZ	7W11625.D	01/09/25 18:25	n/a	(unrelated sample)
ZZZZZZ	7W11626.D	01/09/25 19:10	n/a	(unrelated sample)
ZZZZZZ	7W11627.D	01/09/25 19:56	n/a	(unrelated sample)
ZZZZZZ	7W11628.D	01/09/25 20:43	n/a	(unrelated sample)
ZZZZZZ	7W11629.D	01/09/25 21:29	n/a	(unrelated sample)
ZZZZZZ	7W11630.D	01/09/25 22:07	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11591.D
Acq On : 8 Jan 2025 6:06 pm
Operator : benk
Sample : je3522-1 Inst : MS7W
Misc : MS88628,v7w415,500,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 09 04:13:37 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

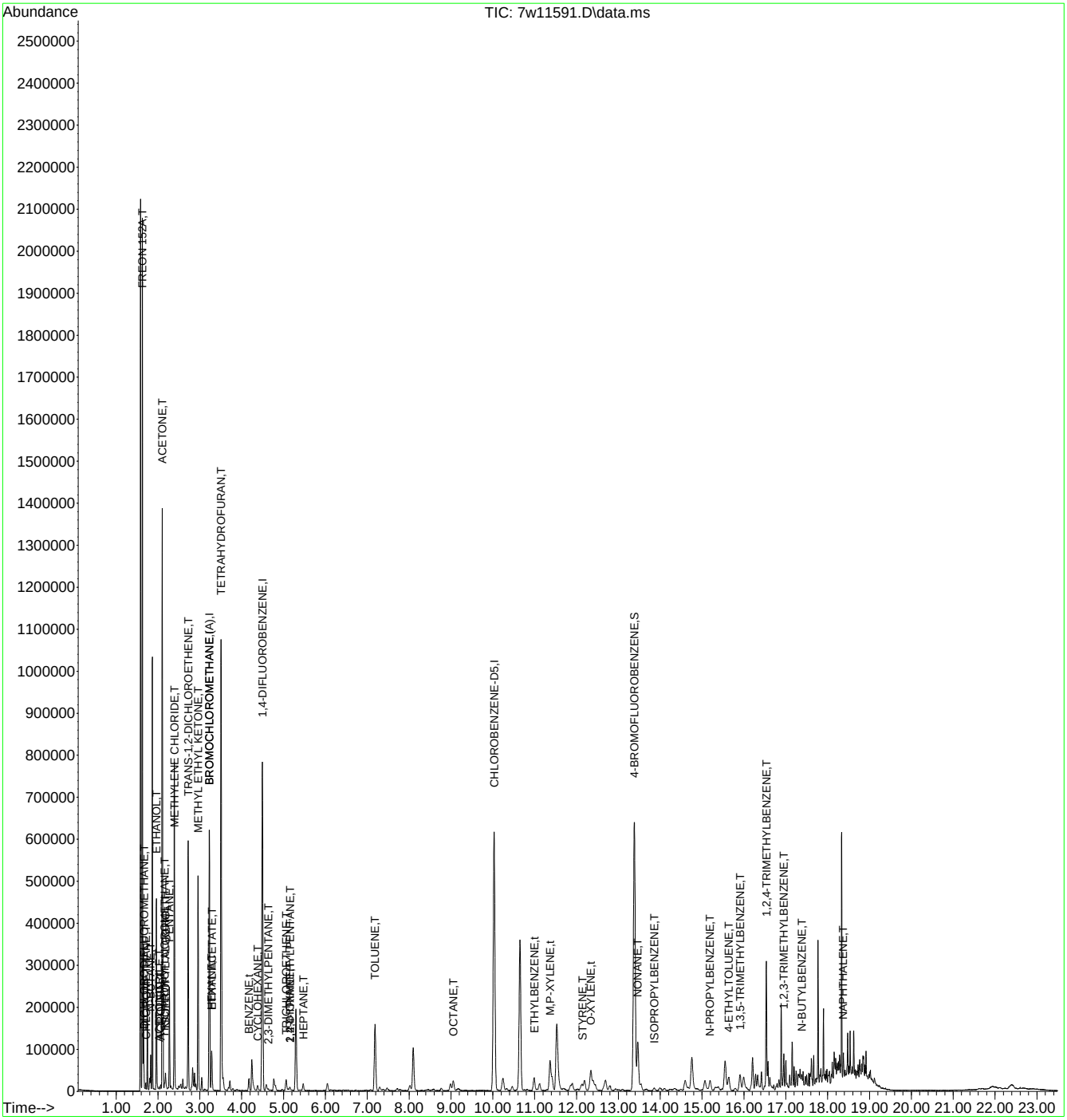
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
1)	BROMOCHLOROMETHANE	3.229	128	116292	10.00	PPBV		0.00
52)	1,4-DIFLUOROBENZENE	4.493	114	565443	10.00	PPBV		0.00
76)	CHLOROBENZENE-D5	10.029	117	544983	10.00	PPBV		0.00
109)	BROMOCHLOROMETHANE (A)	3.229	128	116292	10.00	PPBV		0.00
	System Monitoring Compounds							
87)	4-BROMOFLUOROBENZENE	13.380	95	408733	10.34	PPBV		0.00
	Target Compounds							Qvalue
3)	FREON 152A	1.628	65	373585	67.4589	PPBV		100
6)	DICHLORODIFLUOROMETHANE	1.666	85	12176	0.4199	PPBV	#	94
10)	CHLOROMETHANE	1.711	52	1835	0.6096	PPBV		92
13)	N-BUTANE	1.827	43	34031	2.2563	PPBV	#	96
17)	ACETONITRILE	2.026	41	3052	0.3265	PPBV		96
18)	ACROLEIN	2.065	56	5185	1.0562	PPBV		96
21)	TRICHLOROFLUOROMETHANE	2.158	101	6167	0.2415	PPBV		95
22)	ISOPROPYL ALCOHOL	2.178	45	27550	1.2788	PPBV		90
23)	ACETONE	2.100	58	273552	40.4862	PPBV		95
24)	PENTANE	2.274	42	51701	4.9961	PPBV		98
28)	ETHANOL	1.962	45	255279	43.2855	PPBV		99
31)	METHYLENE CHLORIDE	2.396	84	5387	0.5853	PPBV		97
34)	TRANS-1,2-DICHLOROETHENE	2.721	96	127226	12.1203	PPBV		99
37)	TETRAHYDROFURAN	3.505	72	205221	44.1190	PPBV		99
38)	HEXANE	3.277	57	21548	1.1251	PPBV	#	78
41)	METHYL ETHYL KETONE	2.959	72	93291	18.0565	PPBV		99
44)	ETHYL ACETATE	3.287	61	5744	1.5653	PPBV	#	11
51)	BENZENE	4.171	78	21492	0.6920	PPBV		99
53)	CYCLOHEXANE	4.380	84	3818	0.2858	PPBV		83
54)	2,3-DIMETHYLPENTANE	4.634	71	758	0.1081	PPBV	#	60
55)	TRICHLOROETHENE	5.062	95	8479	0.5899	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	6724	0.1237	PPBV	#	80
61)	1,4-DIOXANE	5.148	88	978	0.1220	PPBV	#	1
62)	HEPTANE	5.470	43	6882	0.3602	PPBV		95
66)	TOLUENE	7.187	91	153294	3.8368	PPBV		99
75)	OCTANE	9.055	43	10481	0.3871	PPBV		94
79)	ETHYLBENZENE	10.991	91	36432	0.6787	PPBV		98
80)	M,P-XYLENE	11.367	91	98024	2.3296	PPBV		60
81)	O-XYLENE	12.341	91	48901	1.1571	PPBV		98
82)	STYRENE	12.139	104	8837	0.2920	PPBV		98
83)	NONANE	13.460	43	76011	2.6186	PPBV		98
88)	ISOPROPYLBENZENE	13.859	120	2187	0.1355	PPBV		87
91)	N-PROPYLBENZENE	15.187	120	7004	0.4280	PPBV		99
92)	4-ETHYLTOLUENE	15.637	105	37762	0.6434	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	38344	0.7763	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.534	105	142031	2.8507	PPBV	#	36
102)	1,2,3-TRIMETHYLBENZENE	16.952	105	32986	0.6610	PPBV	#	95
104)	N-BUTYLBENZENE	17.386	134	2654	0.1663	PPBV		64
108)	NAPHTHALENE	18.367	128	7389	0.1214	PPBV		97

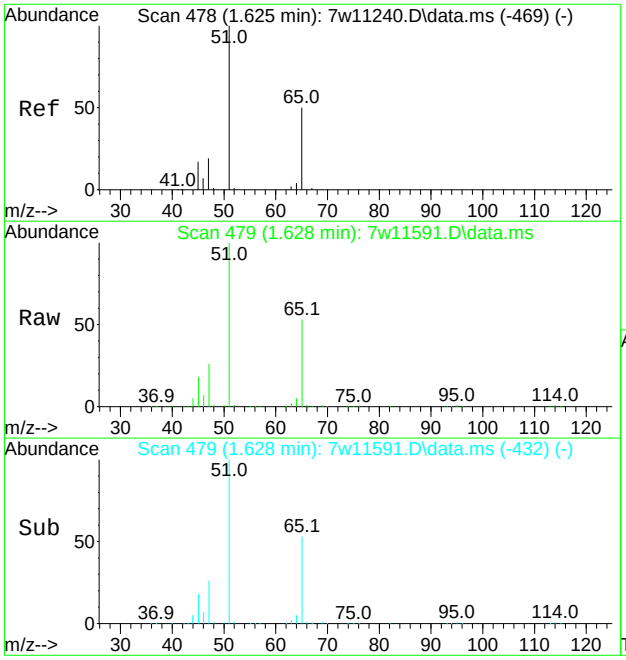
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11591.D
Acq On : 8 Jan 2025 6:06 pm
Operator : benk
Sample : je3522-1 Inst : MS7W
Misc : MS88628,v7w415,500,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 09 04:13:37 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

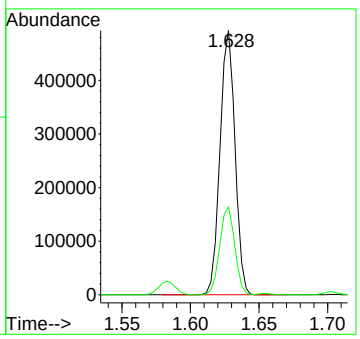


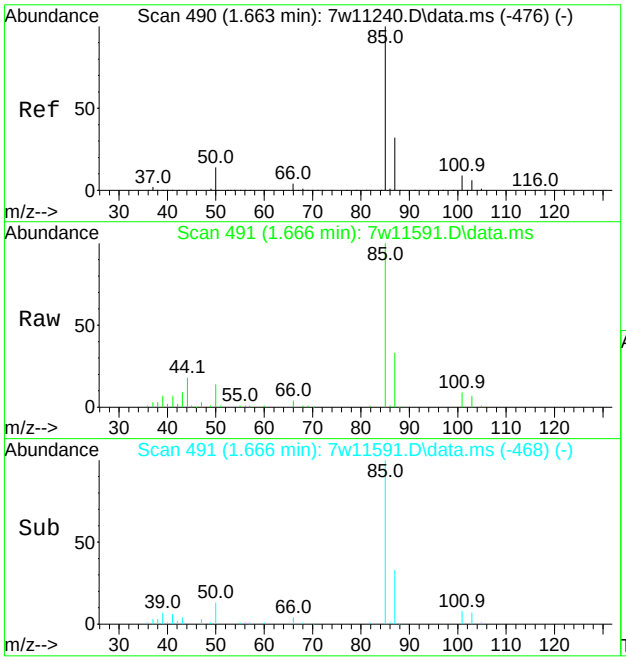


#3
FREON 152A
Concen: 67.4589 PPBV
RT: 1.628 min Scan# 479
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 65 Resp: 373585

Ion	Ratio	Lower	Upper
65	100		
45	33.8	23.5	43.7

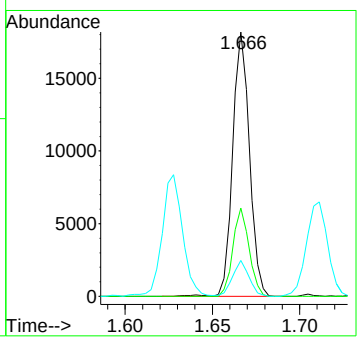


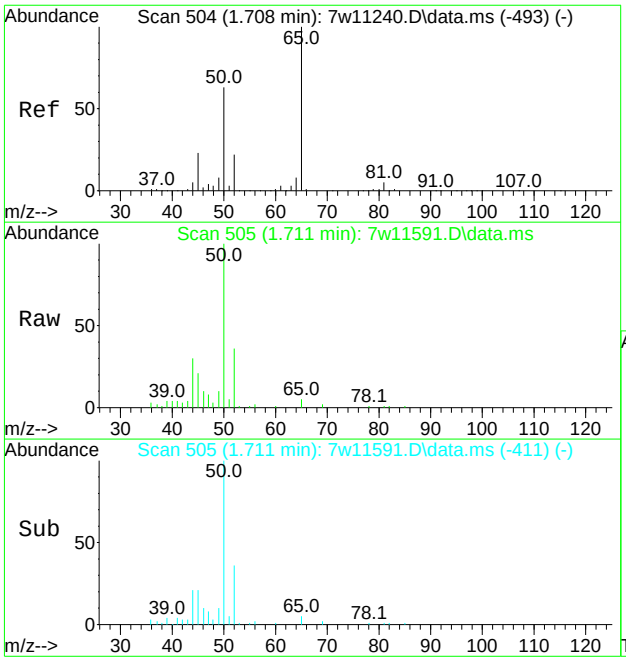


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4199 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 85 Resp: 12176

Ion	Ratio	Lower	Upper
85	100		
87	32.2	22.5	41.7
50	13.2	13.8	25.6#

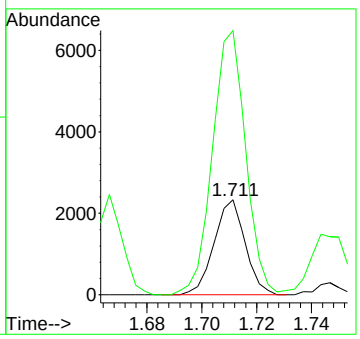


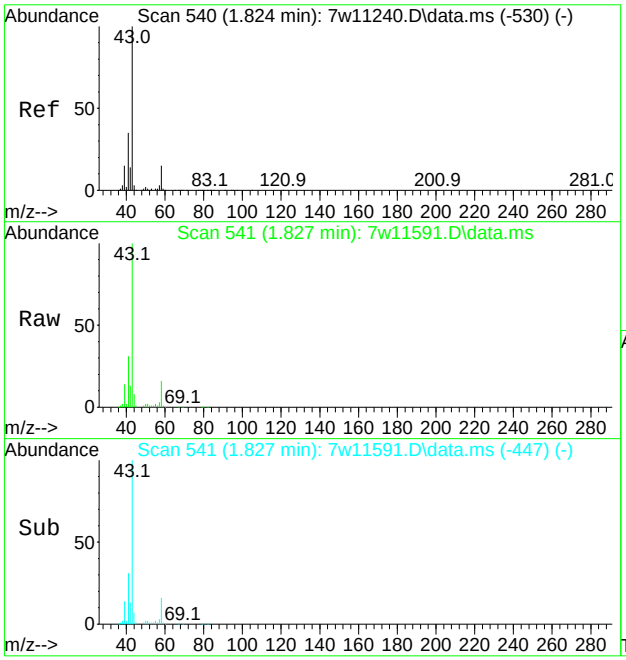


#10
CHLOROMETHANE
Concen: 0.6096 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 52 Resp: 1835

Ion	Ratio	Lower	Upper
52	100		
50	298.0	220.1	408.8

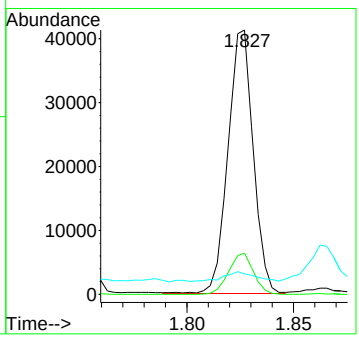


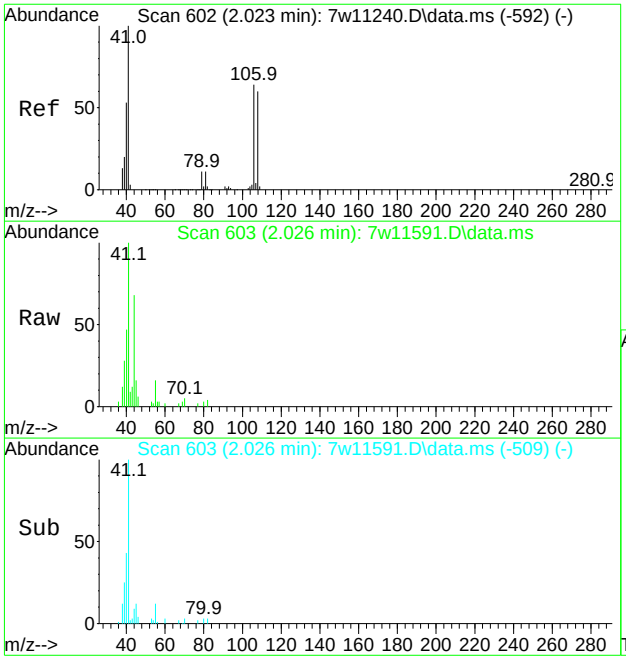


#13
N-BUTANE
Concen: 2.2563 PPBV
RT: 1.827 min Scan# 541
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 43 Resp: 34031

Ion	Ratio	Lower	Upper
43	100		
58	15.4	10.4	19.2
44	8.6	3.0	5.6#

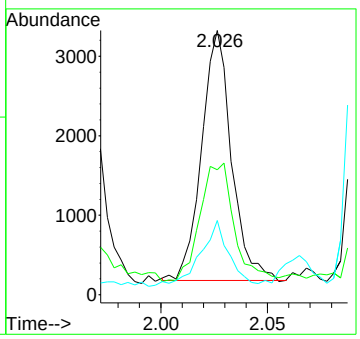


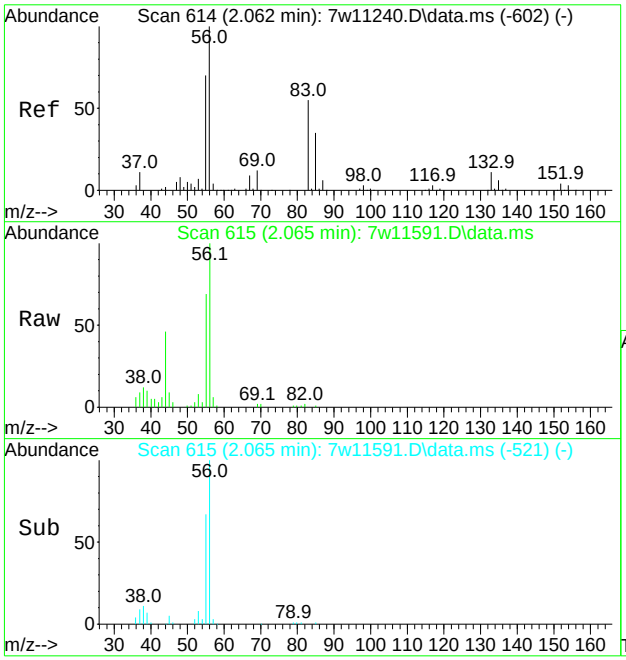


#17
ACETONITRILE
Concen: 0.3265 PPBV
RT: 2.026 min Scan# 603
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 41 Resp: 3052

Ion	Ratio	Lower	Upper
41	100		
40	55.1	37.9	70.5
39	25.3	13.8	25.6

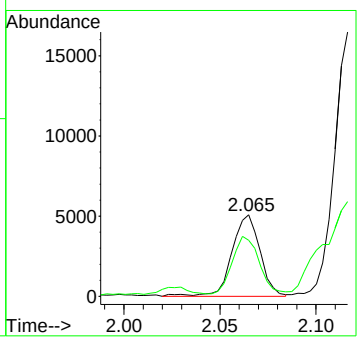


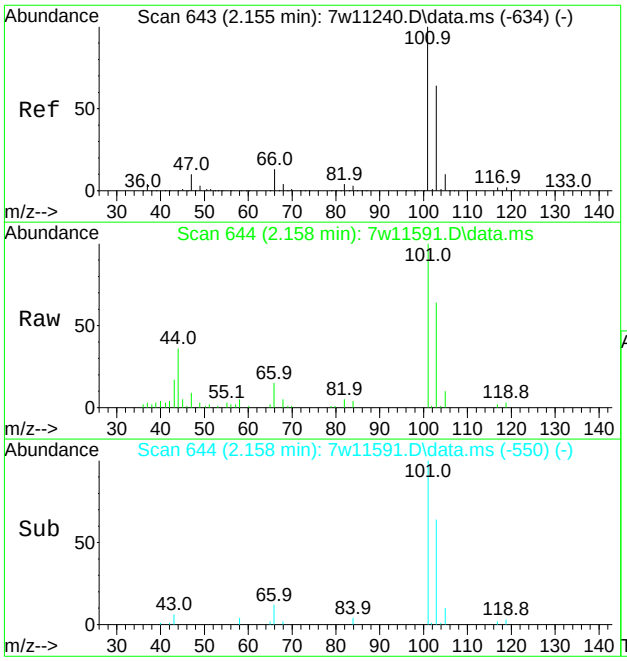


#18
ACROLEIN
Concen: 1.0562 PPBV
RT: 2.065 min Scan# 615
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 56 Resp: 5185

Ion	Ratio	Lower	Upper
56	100		
55	68.5	50.3	93.3

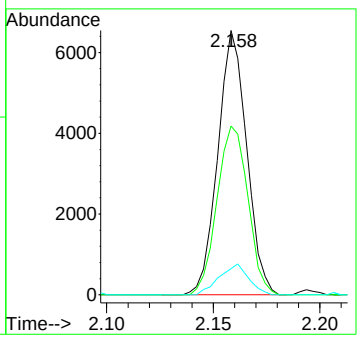


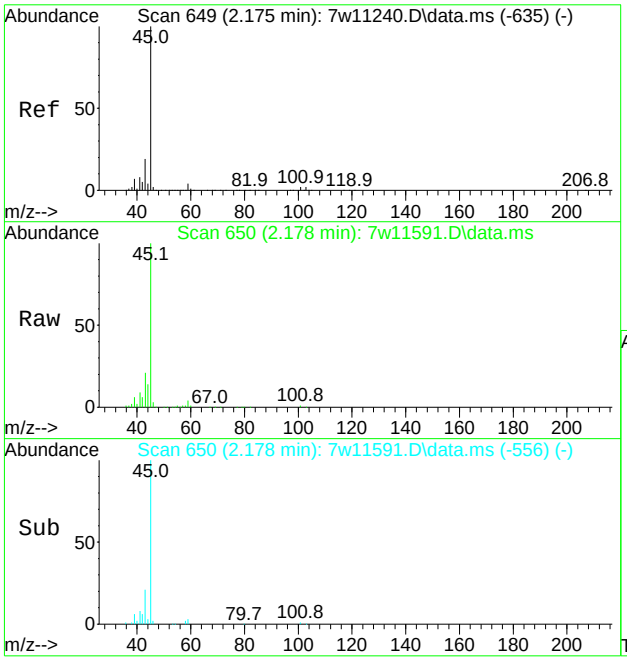


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2415 PPBV
RT: 2.158 min Scan# 644
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion:101 Resp: 6167

Ion	Ratio	Lower	Upper
101	100		
103	68.3	44.9	83.5
105	11.8	7.3	13.5

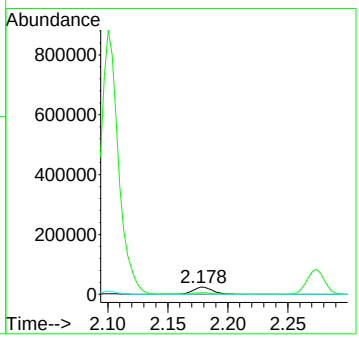


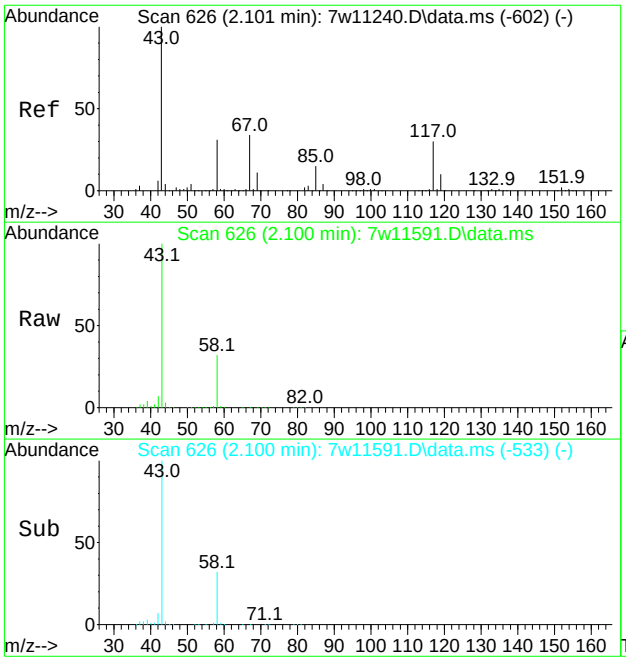


#22
ISOPROPYL ALCOHOL
Concen: 1.2788 PPBV
RT: 2.178 min Scan# 650
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 45 Resp: 27550

Ion	Ratio	Lower	Upper
45	100		
43	25.1	13.9	25.9
59	3.9	2.8	5.2

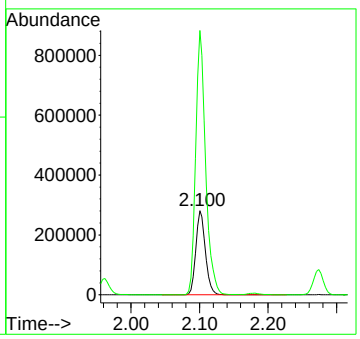


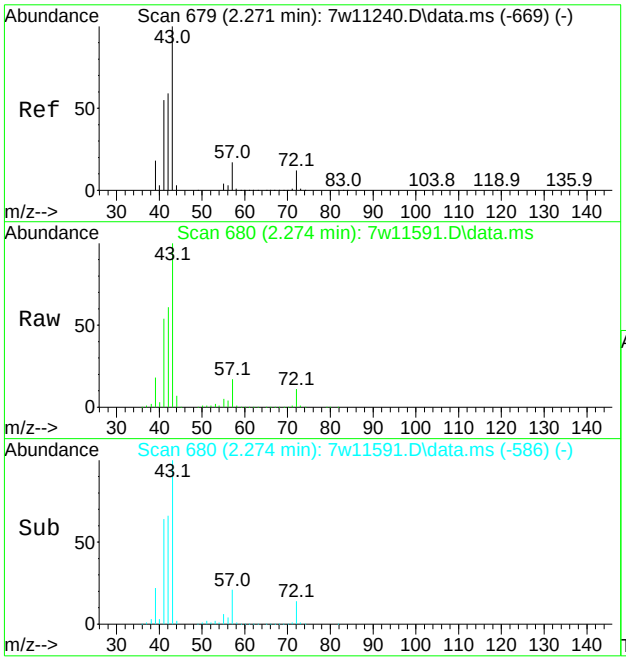


#23
ACETONE
Concen: 40.4862 PPBV
RT: 2.100 min Scan# 626
Delta R.T. -0.001 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 58 Resp: 273552

Ion	Ratio	Lower	Upper
58	100		
43	325.1	234.4	435.2

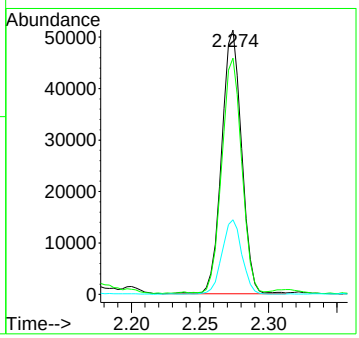


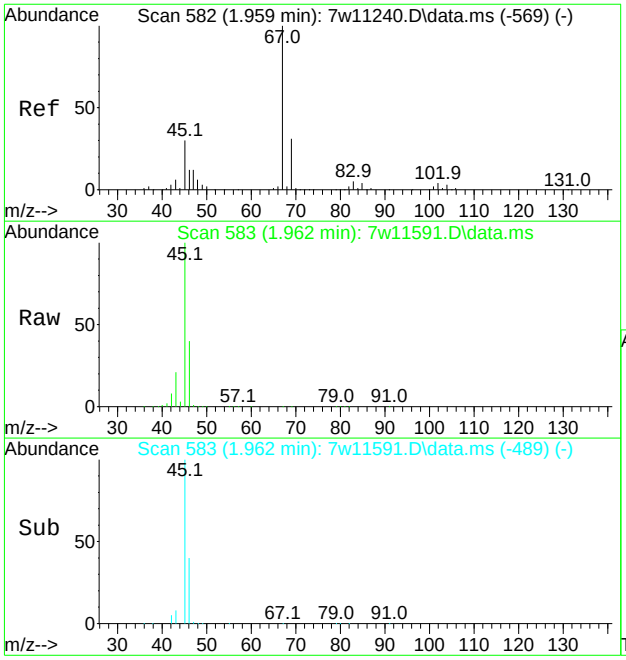


#24
PENTANE
Concen: 4.9961 PPBV
RT: 2.274 min Scan# 680
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 42 Resp: 51701

Ion	Ratio	Lower	Upper
42	100		
41	90.4	64.8	120.3
57	28.8	19.7	36.7

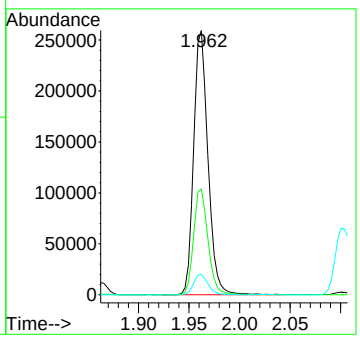


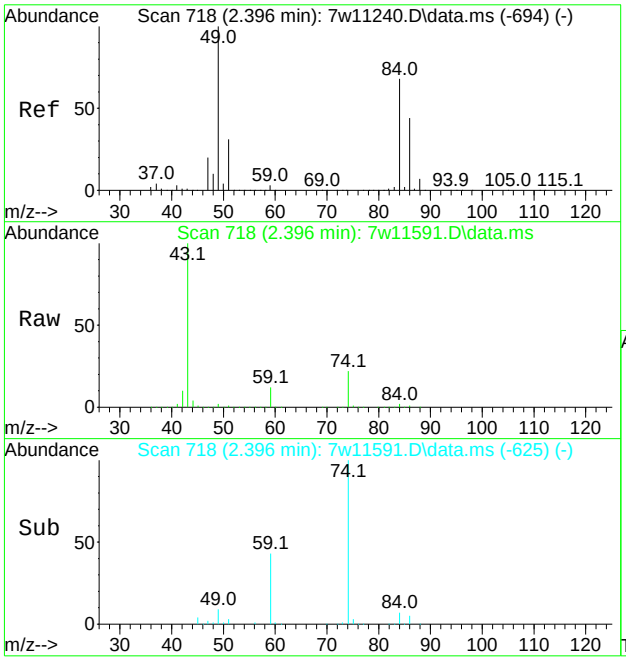


#28
ETHANOL
Concen: 43.2855 PPBV
RT: 1.962 min Scan# 583
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 45 Resp: 255279

Ion	Ratio	Lower	Upper
45	100		
46	40.5	28.6	53.0
42	7.8	6.3	11.7

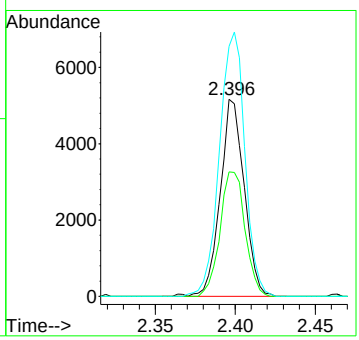


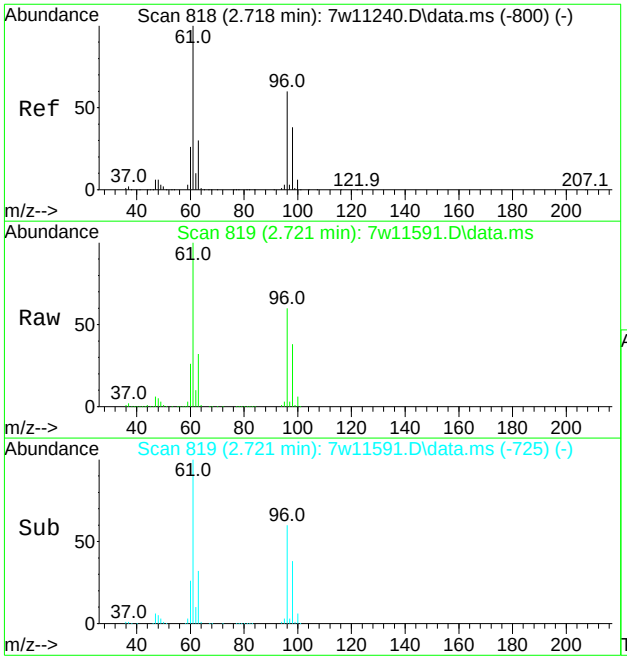


#31
METHYLENE CHLORIDE
Concen: 0.5853 PPBV
RT: 2.396 min Scan# 718
Delta R.T. 0.000 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 84 Resp: 5387

Ion	Ratio	Lower	Upper
84	100		
86	65.9	46.0	85.4
49	142.2	103.9	192.9

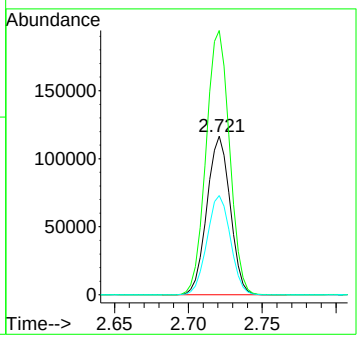


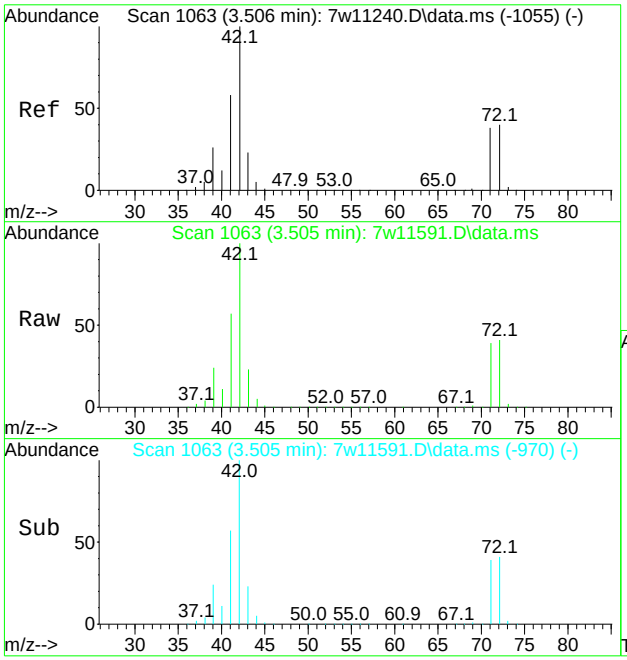


#34
TRANS-1,2-DICHLOROETHENE
Concen: 12.1203 PPBV
RT: 2.721 min Scan# 819
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 96 Resp: 127226

Ion	Ratio	Lower	Upper
96	100		
61	168.2	116.2	215.8
98	63.1	44.2	82.2

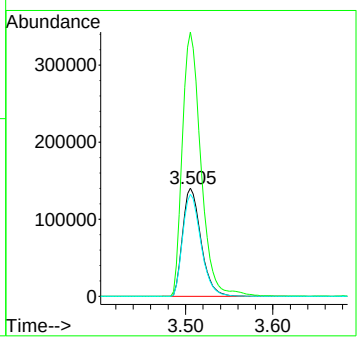


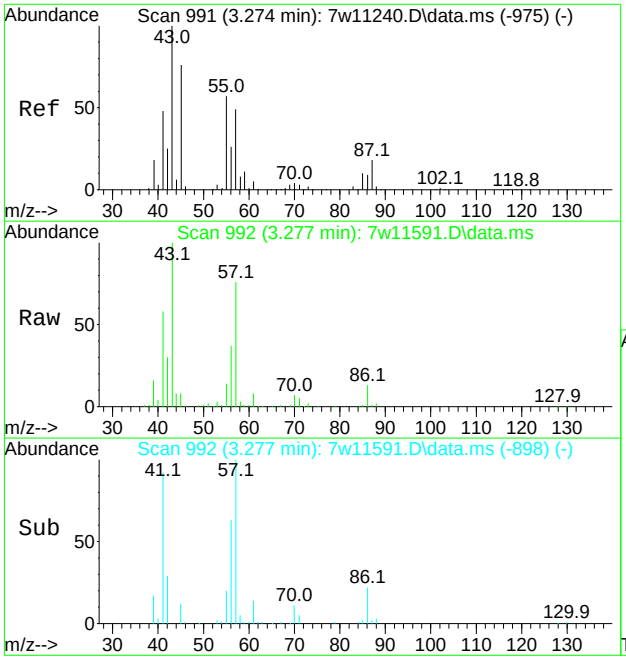


#37
TETRAHYDROFURAN
Concen: 44.1190 PPBV
RT: 3.505 min Scan# 1063
Delta R.T. -0.001 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 72 Resp: 205221

Ion	Ratio	Lower	Upper
72	100		
42	248.4	174.9	324.9
71	94.4	67.2	124.8

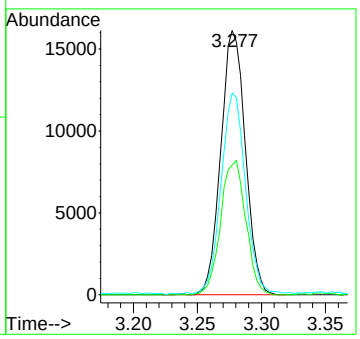


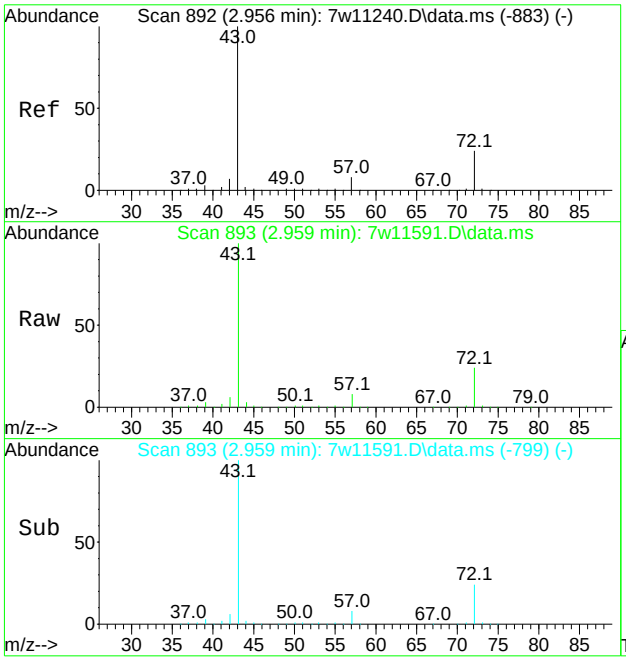


#38
HEXANE
Concen: 1.1251 PPBV
RT: 3.277 min Scan# 992
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 57 Resp: 21548

Ion	Ratio	Lower	Upper
57	100		
56	51.9	37.8	70.2
41	75.0	75.9	140.9#

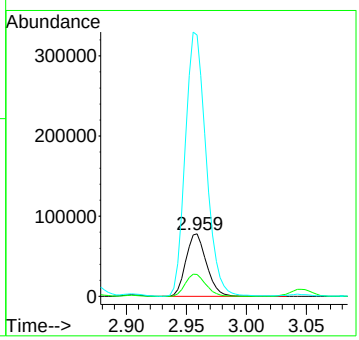


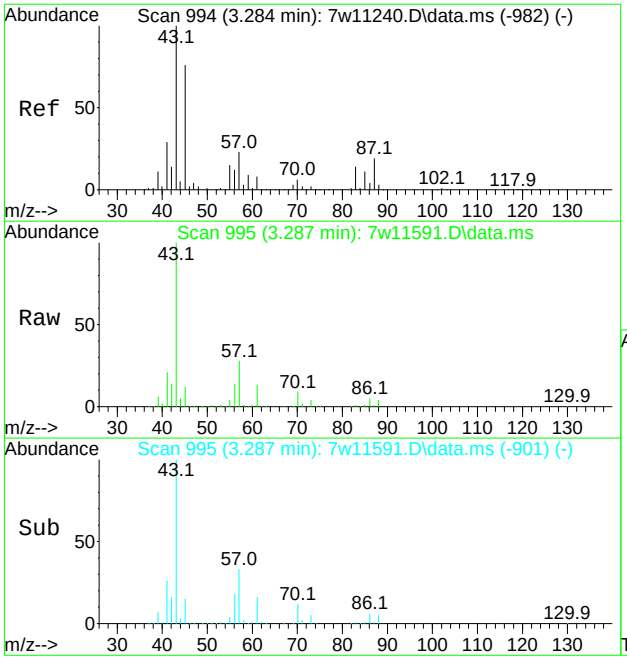


#41
METHYL ETHYL KETONE
Concen: 18.0565 PPBV
RT: 2.959 min Scan# 893
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 72 Resp: 93291

Ion	Ratio	Lower	Upper
72	100		
57	35.5	25.3	46.9
43	426.9	299.6	556.4

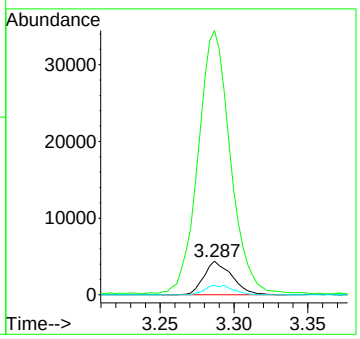


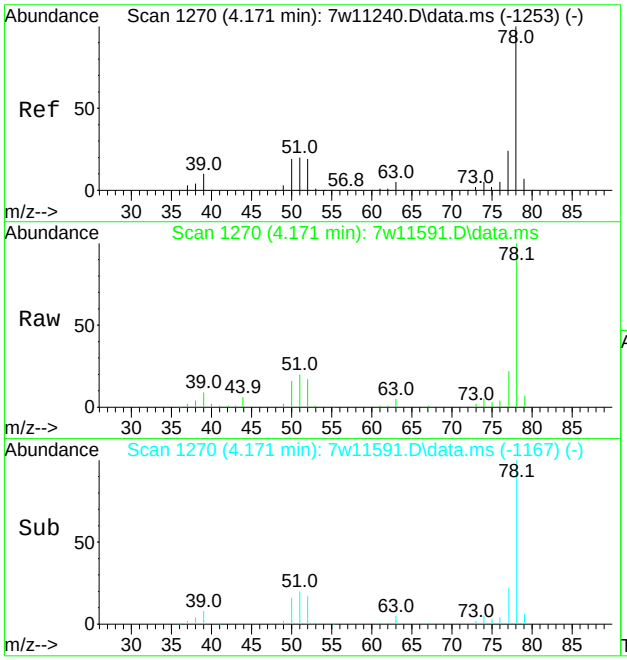


#44
ETHYL ACETATE
Concen: 1.5653 PPBV
RT: 3.287 min Scan# 995
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 61 Resp: 5744

Ion	Ratio	Lower	Upper
61	100		
43	907.8	1005.1	1866.5#
88	27.9	29.3	54.5#

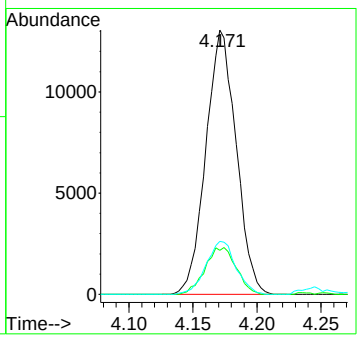


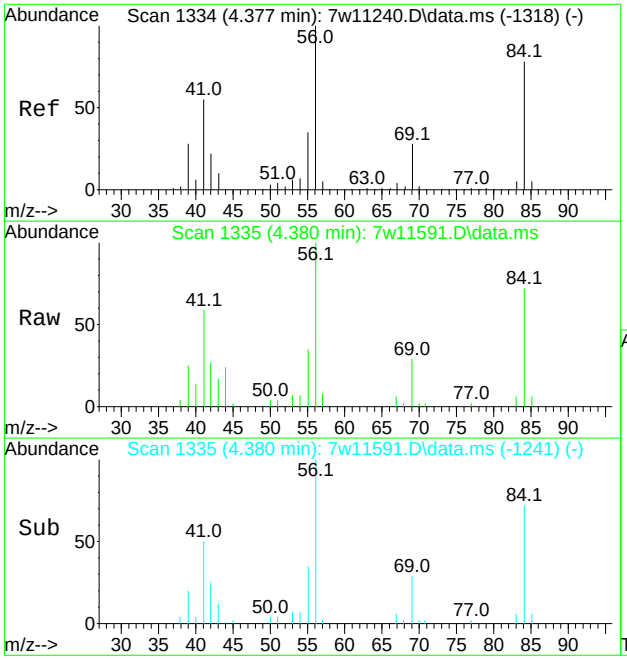


#51
BENZENE
Concen: 0.6920 PPBV
RT: 4.171 min Scan# 1270
Delta R.T. 0.000 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 78 Resp: 21492

Ion	Ratio	Lower	Upper
78	100		
52	18.2	0.0	48.9
51	19.8	0.0	50.2

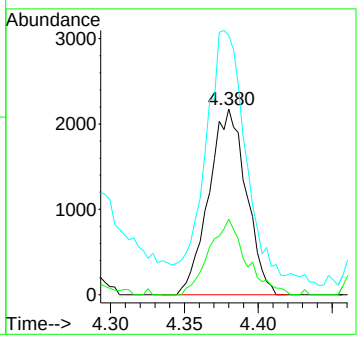


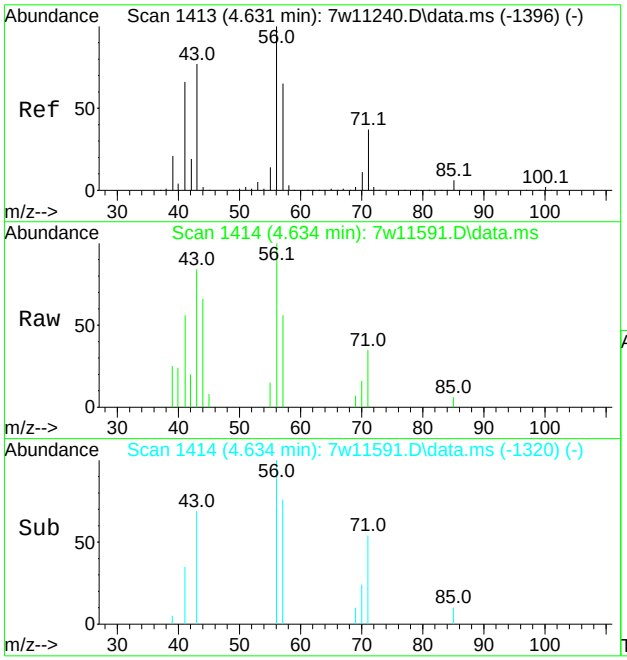


#53
CYCLOHEXANE
Concen: 0.2858 PPBV
RT: 4.380 min Scan# 1335
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 84 Resp: 3818

Ion	Ratio	Lower	Upper
84	100		
69	40.4	24.8	46.0
56	150.8	89.8	166.8

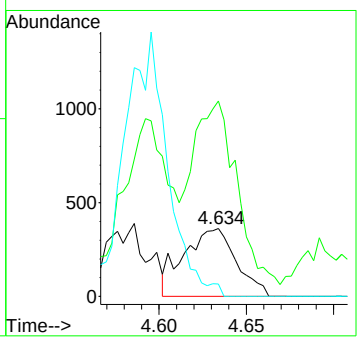


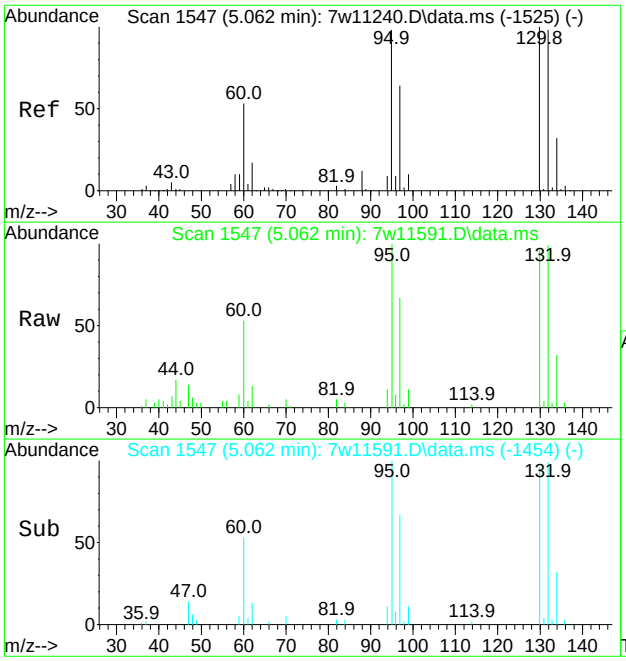


#54
2,3-DIMETHYLPENTANE
Concen: 0.1081 PPBV
RT: 4.634 min Scan# 1414
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 71 Resp: 758

Ion	Ratio	Lower	Upper
71	100		
56	209.1	199.6	370.8
85	0.0	12.1	22.5#

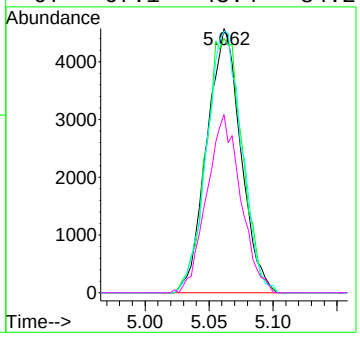


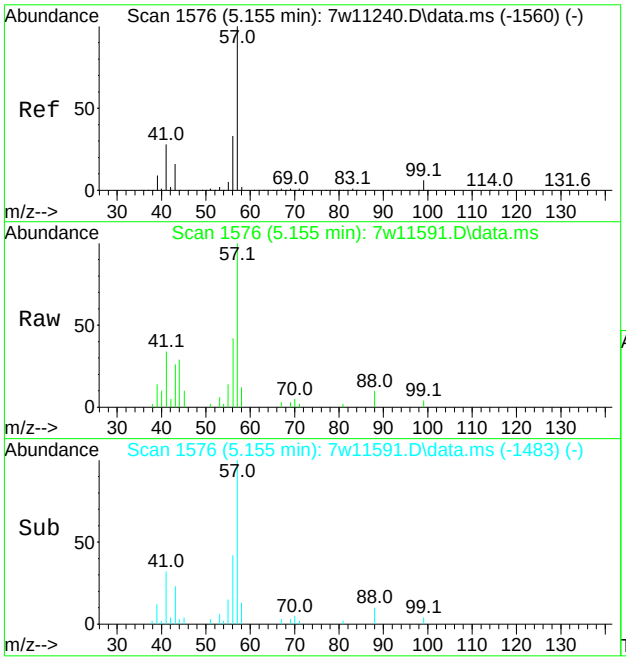


#55
TRICHLOROETHENE
Concen: 0.5899 PPBV
RT: 5.062 min Scan# 1547
Delta R.T. -0.000 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 95 Resp: 8479

Ion	Ratio	Lower	Upper
95	100		
130	103.2	72.8	135.2
132	102.1	71.9	133.5
97	67.1	45.4	84.2

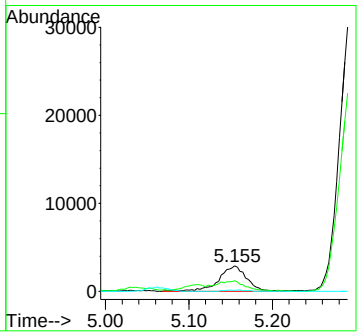


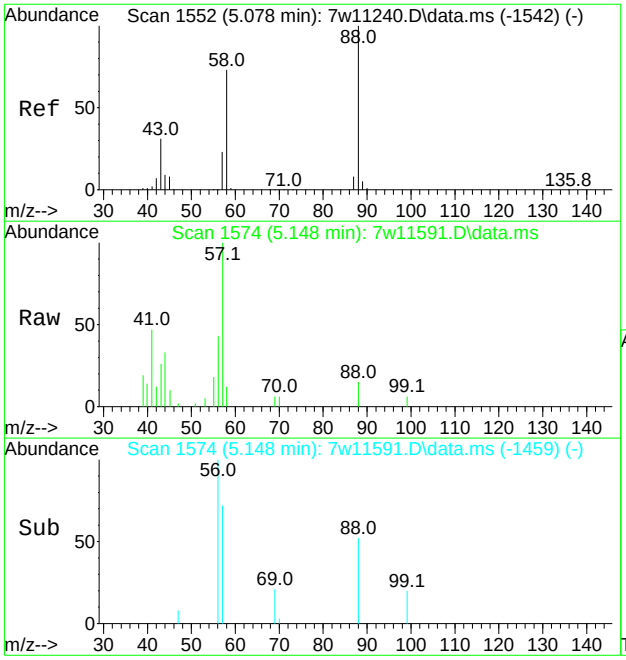


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1237 PPBV
RT: 5.155 min Scan# 1576
Delta R.T. -0.000 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 57 Resp: 6724

Ion	Ratio	Lower	Upper
57	100		
56	44.9	22.7	42.1#
99	4.0	3.9	7.3

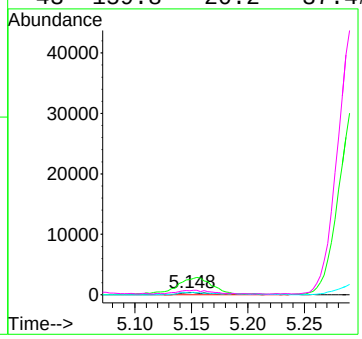


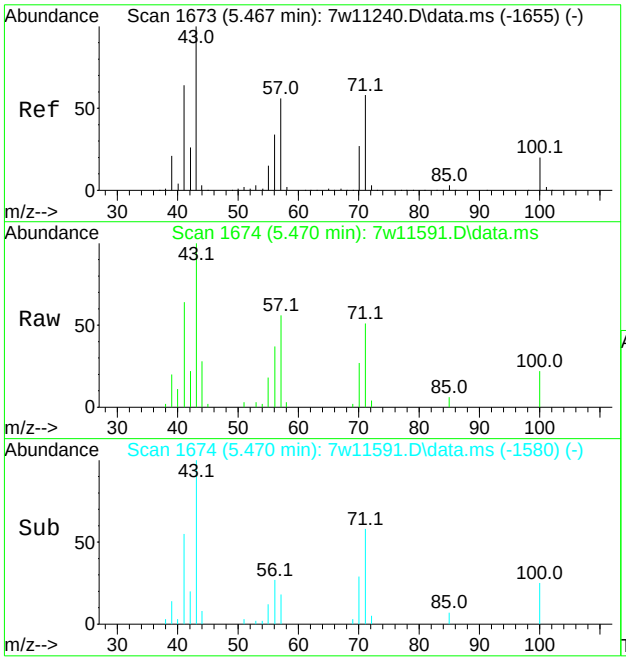


#61
1,4-DIOXANE
Concen: 0.1220 PPBV
RT: 5.148 min Scan# 1574
Delta R.T. 0.070 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 88 Resp: 978

Ion	Ratio	Lower	Upper
88	100		
57	687.5	15.0	27.8#
58	91.2	50.0	92.8
43	159.8	20.2	37.4#

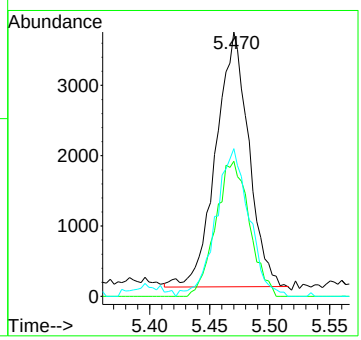


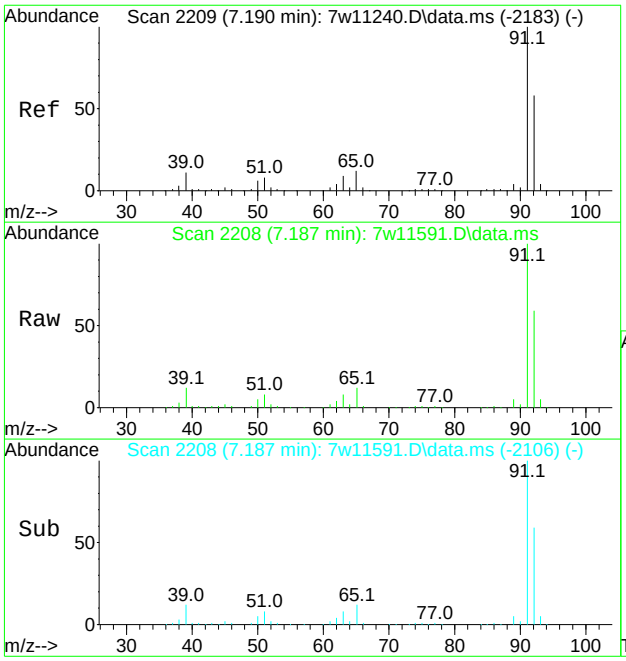


#62
HEPTANE
Concen: 0.3602 PPBV
RT: 5.470 min Scan# 1674
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 43 Resp: 6882

Ion	Ratio	Lower	Upper
43	100		
71	54.2	40.0	74.4
57	59.1	38.9	72.2

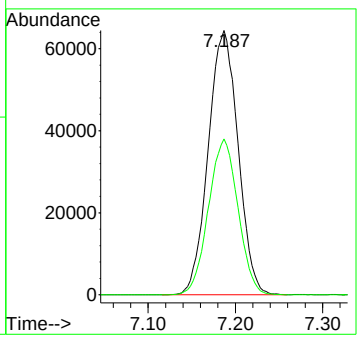


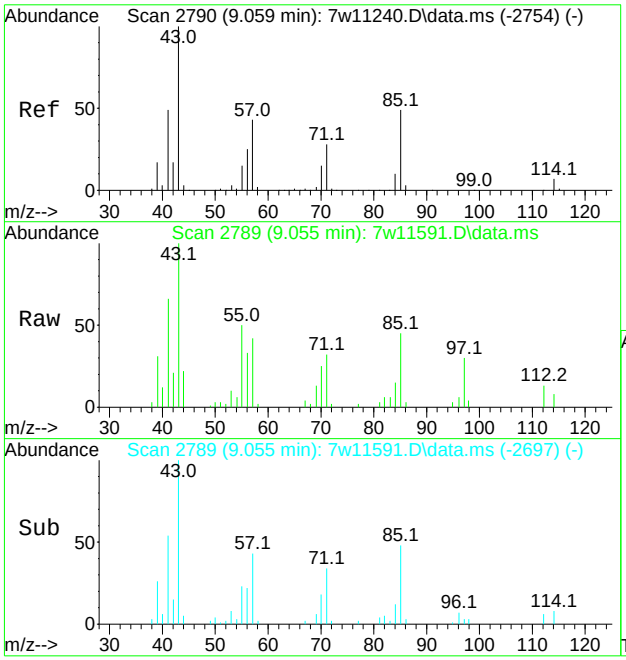


#66
TOLUENE
Concen: 3.8368 PPBV
RT: 7.187 min Scan# 2208
Delta R.T. -0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 91 Resp: 153294

Ion	Ratio	Lower	Upper
91	100		
92	58.4	29.0	89.0

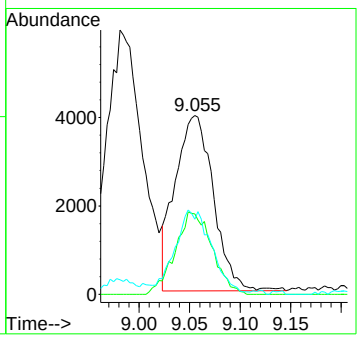


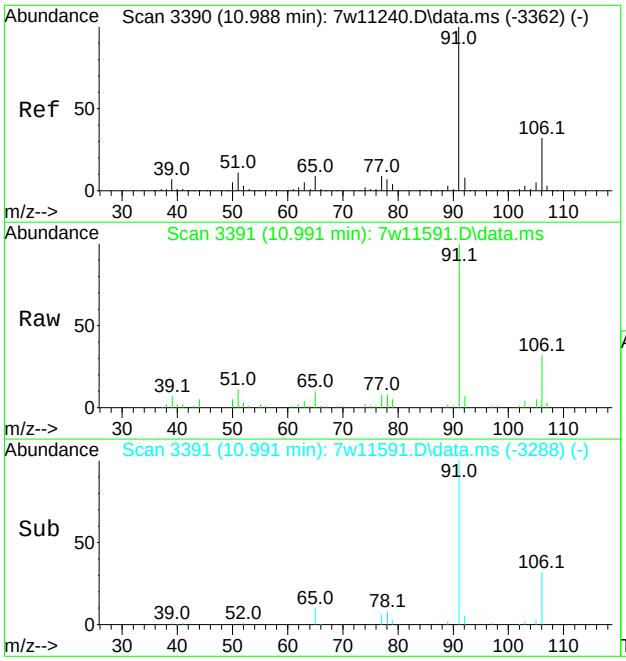


#75
OCTANE
Concen: 0.3871 PPBV
RT: 9.055 min Scan# 2789
Delta R.T. -0.004 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 43 Resp: 10481

Ion	Ratio	Lower	Upper
43	100		
85	45.0	33.9	63.0
57	46.8	30.0	55.8

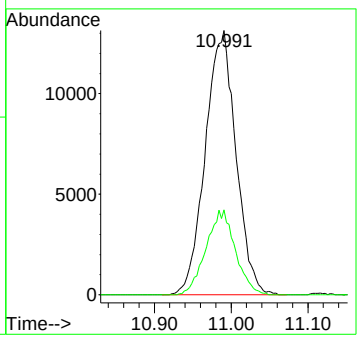


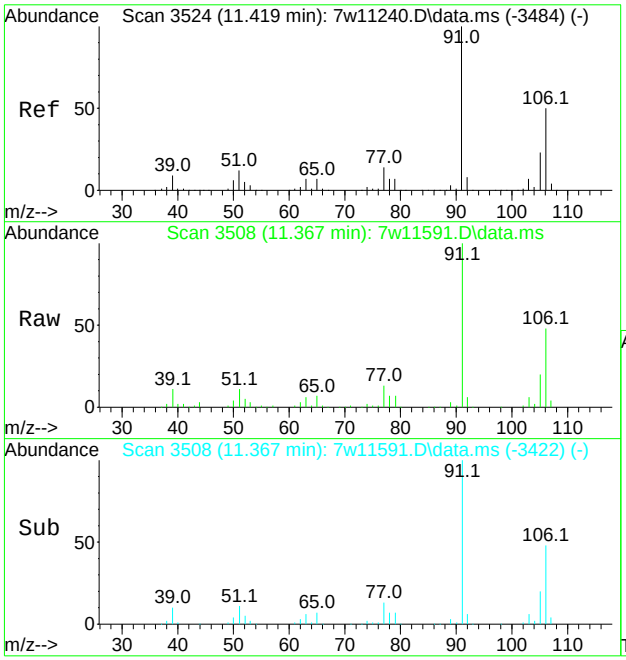


#79
ETHYLBENZENE
Concen: 0.6787 PPBV
RT: 10.991 min Scan# 3391
Delta R.T. 0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 91 Resp: 36432

Ion	Ratio	Lower	Upper
91	100		
106	30.6	1.6	61.6

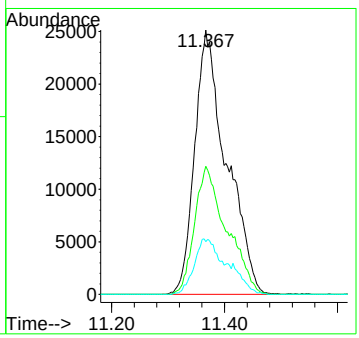


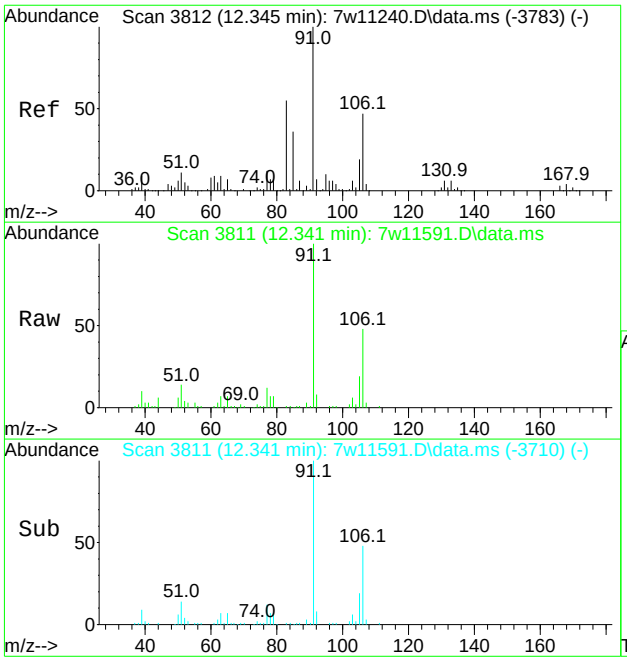


#80
M,P-XYLENE
Concen: 2.3296 PPBV
RT: 11.367 min Scan# 3508
Delta R.T. -0.052 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 91 Resp: 98024

Ion	Ratio	Lower	Upper
91	100		
106	48.9	0.0	55.5
105	21.9	0.0	41.7

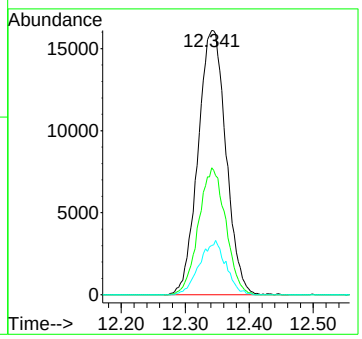


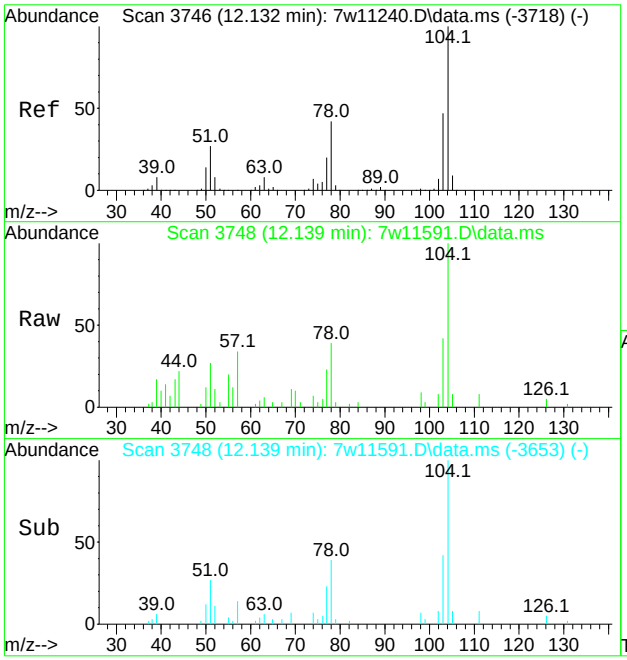


#81
O-XYLENE
Concen: 1.1571 PPBV
RT: 12.341 min Scan# 3811
Delta R.T. -0.004 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 91 Resp: 48901

Ion	Ratio	Lower	Upper
91	100		
106	48.1	32.7	60.7
105	18.7	13.2	24.6

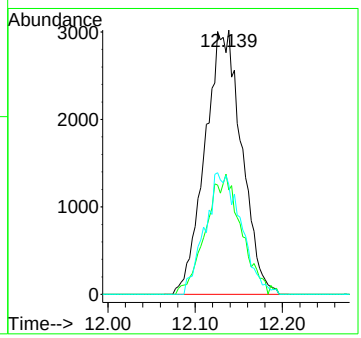


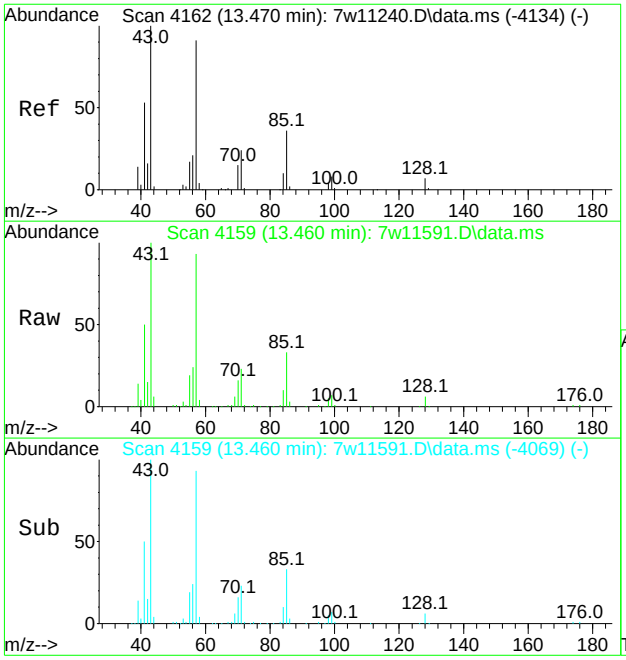


#82
STYRENE
Concen: 0.2920 PPBV
RT: 12.139 min Scan# 3748
Delta R.T. 0.007 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion:104 Resp: 8837

Ion	Ratio	Lower	Upper
104	100		
78	44.2	30.0	55.6
103	45.5	33.0	61.4

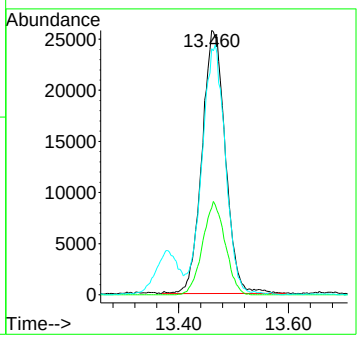


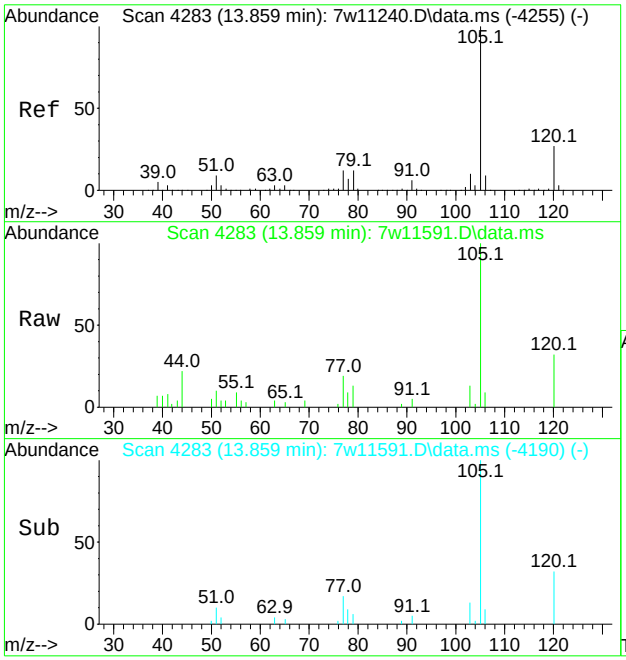


#83
NONANE
Concen: 2.6186 PPBV
RT: 13.460 min Scan# 4159
Delta R.T. -0.010 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion: 43 Resp: 76011

Ion	Ratio	Lower	Upper
43	100		
85	34.2	25.0	46.4
57	95.8	65.7	122.1

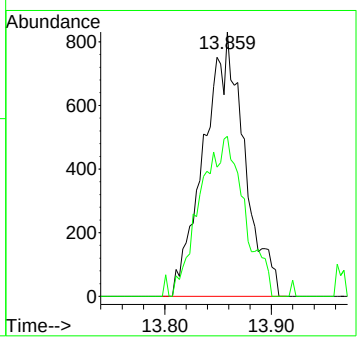


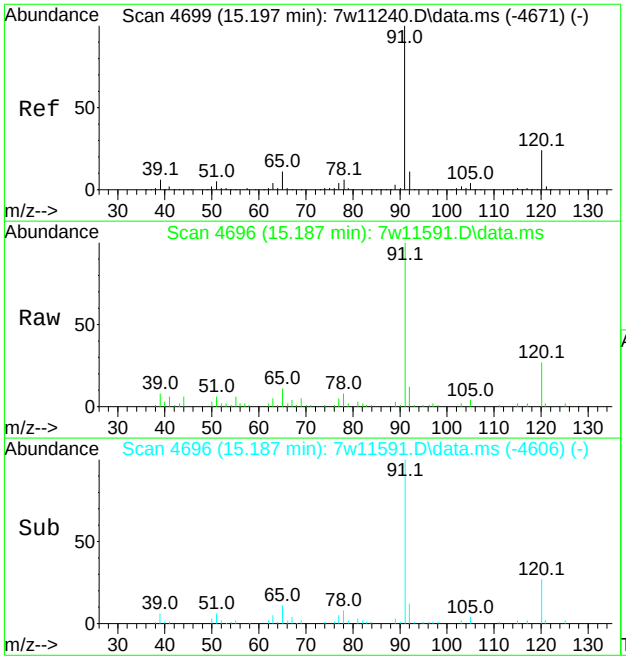


#88
ISOPROPYLBENZENE
Concen: 0.1355 PPBV
RT: 13.859 min Scan# 4283
Delta R.T. -0.000 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion:120 Resp: 2187

Ion	Ratio	Lower	Upper
120	100		
77	66.8	39.9	74.1

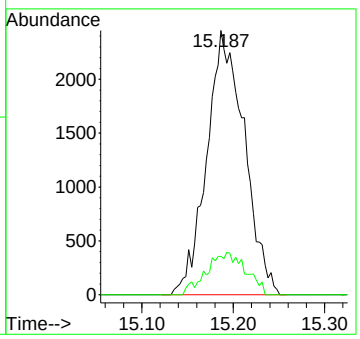


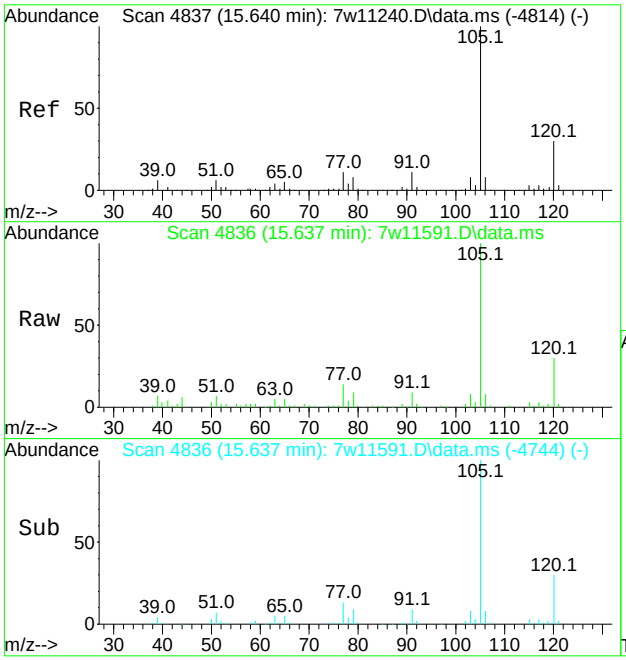


#91
N-PROPYLBENZENE
Concen: 0.4280 PPBV
RT: 15.187 min Scan# 4696
Delta R.T. -0.010 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion:120 Resp: 7004

Ion	Ratio	Lower	Upper
120	100		
105	16.7	11.3	20.9

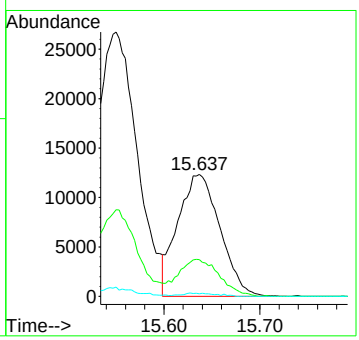


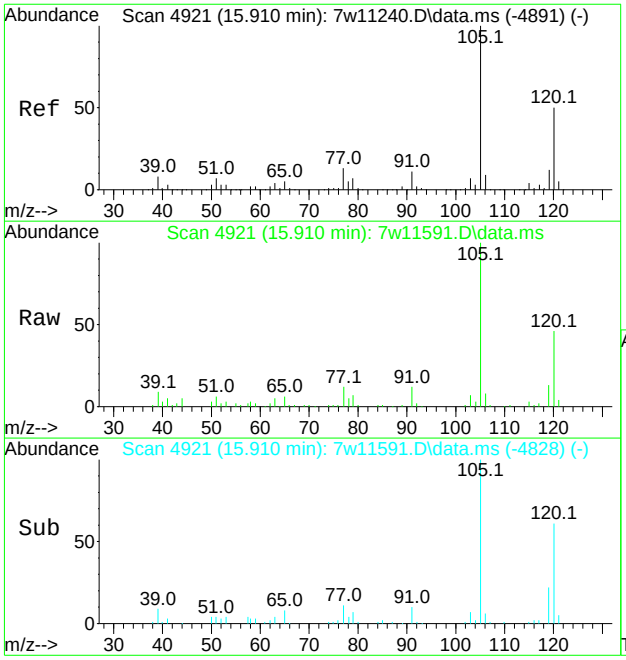


#92
4-ETHYLTOLUENE
Concen: 0.6434 PPBV
RT: 15.637 min Scan# 4836
Delta R.T. -0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion:105 Resp: 37762

Ion	Ratio	Lower	Upper
105	100		
120	30.1	21.1	39.1
119	2.2	1.6	3.0

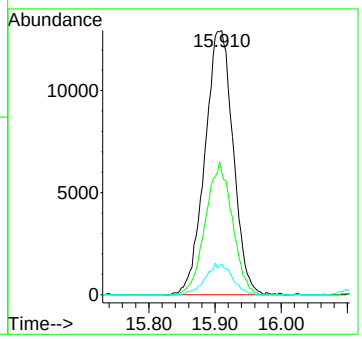


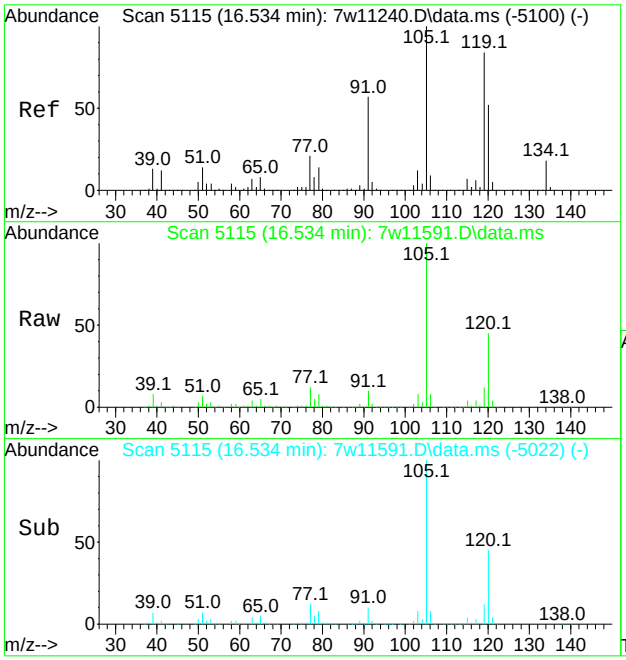


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.7763 PPBV
RT: 15.910 min Scan# 4921
Delta R.T. 0.000 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion:105 Resp: 38344

Ion	Ratio	Lower	Upper
105	100		
120	47.8	34.9	64.7
91	11.2	7.5	13.9

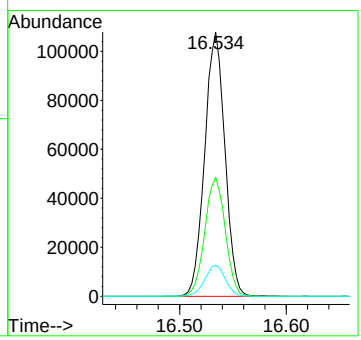


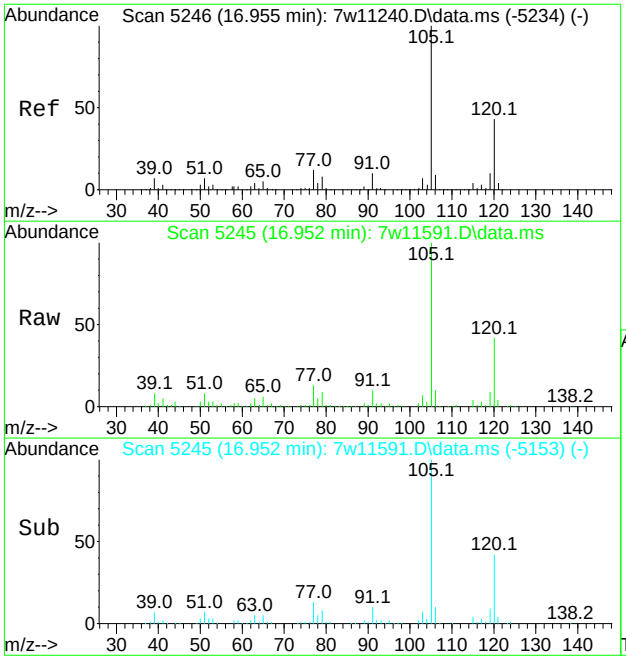


#96
1,2,4-TRIMETHYLBENZENE
Concen: 2.8507 PPBV
RT: 16.534 min Scan# 5115
Delta R.T. -0.000 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion:105 Resp: 142031

Ion	Ratio	Lower	Upper
105	100		
120	45.5	38.8	72.0
119	12.2	74.3	137.9#

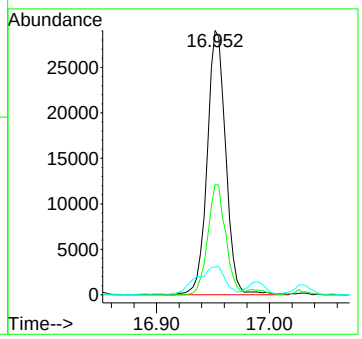


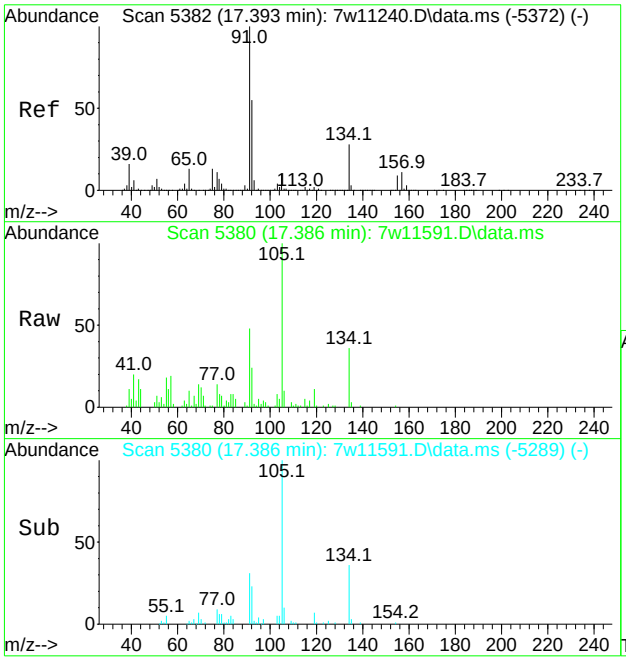


#102
1,2,3-TRIMETHYLBENZENE
Concen: 0.6610 PPBV
RT: 16.952 min Scan# 5245
Delta R.T. -0.003 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion:105 Resp: 32986

Ion	Ratio	Lower	Upper
105	100		
120	42.3	30.2	56.2
91	17.2	7.1	13.3#

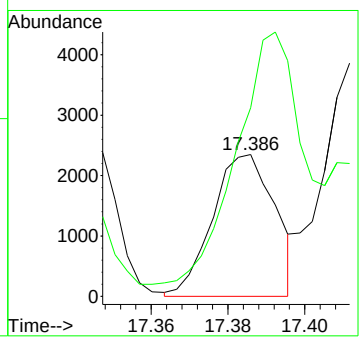


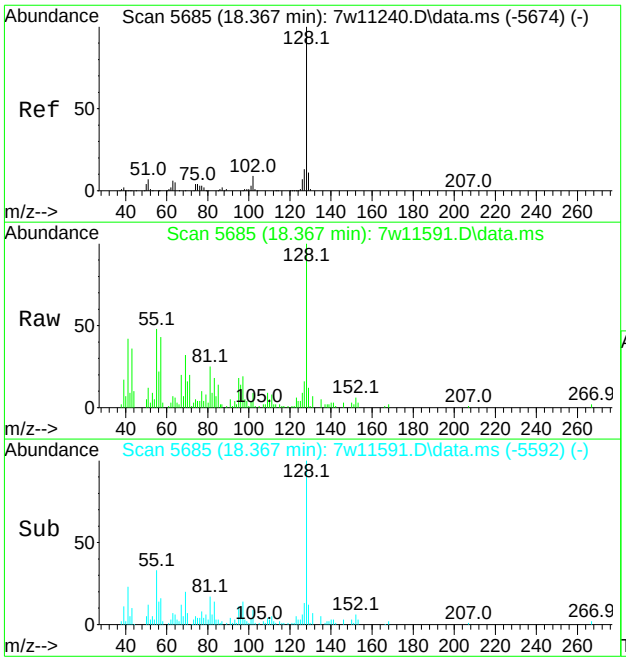


#104
N-BUTYLBENZENE
Concen: 0.1663 PPBV
RT: 17.386 min Scan# 5380
Delta R.T. -0.007 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion:134 Resp: 2654

Ion	Ratio	Lower	Upper
134	100		
91	282.1	253.1	470.0

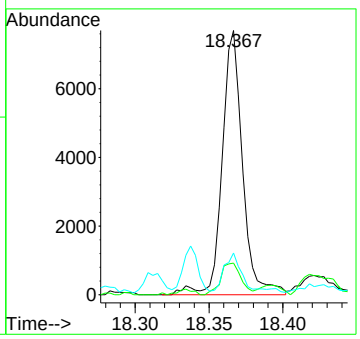




#108
NAPHTHALENE
Concen: 0.1214 PPBV
RT: 18.367 min Scan# 5685
Delta R.T. -0.000 min
Lab File: 7w11591.D
Acq: 8 Jan 2025 6:06 pm

Tgt Ion:128 Resp: 7389

Ion	Ratio	Lower	Upper
128	100		
129	12.3	7.6	14.2
127	13.5	8.9	16.5



Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11610.D
Acq On : 9 Jan 2025 8:10 am
Operator : benk
Sample : je3522-2 Inst : MS7W
Misc : MS88628,v7w416,200,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 10 05:38:44 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

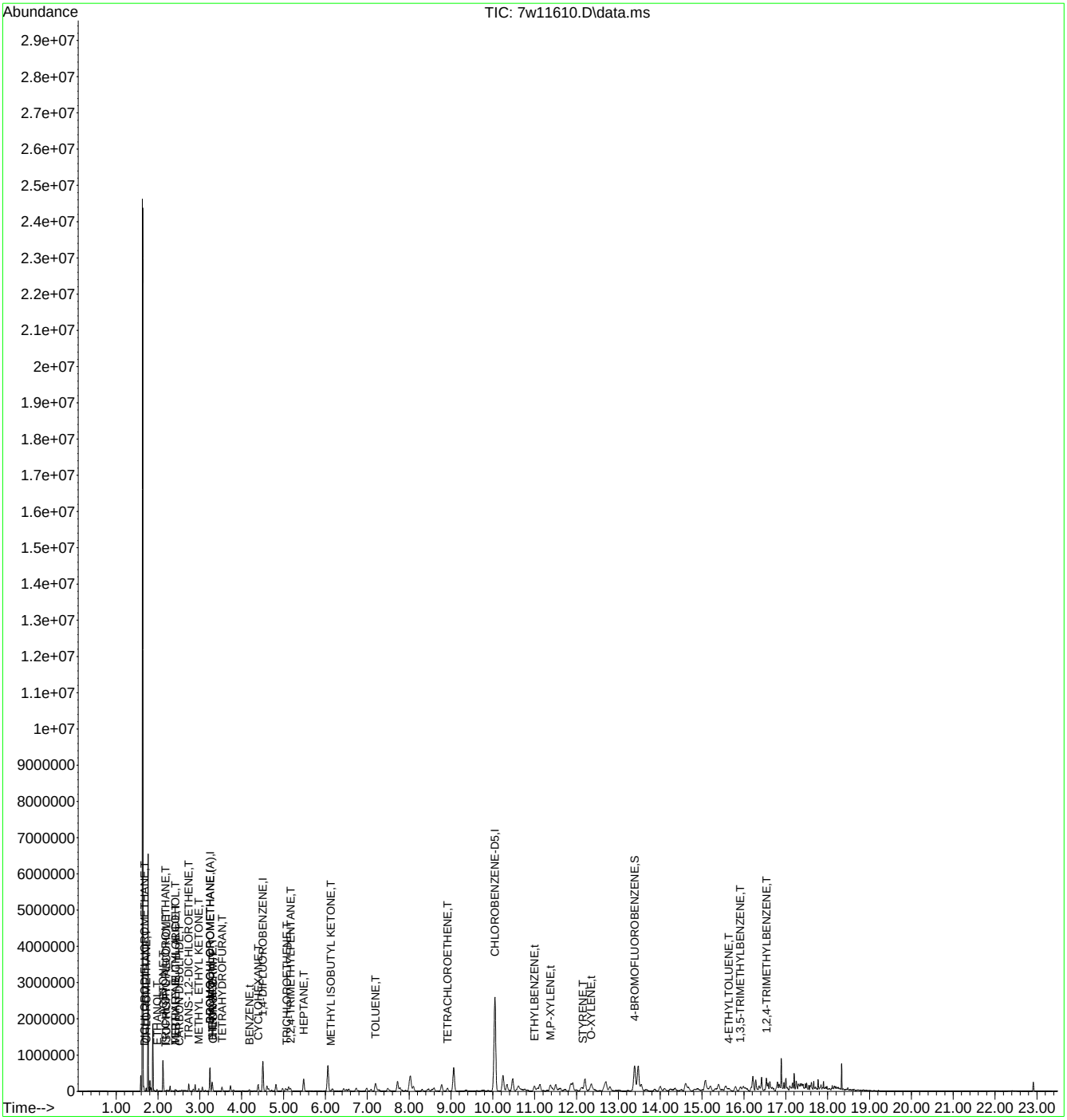
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.242	128	127109	10.00	PPBV		0.02
52) 1,4-DIFLUOROBENZENE	4.505	114	610398	10.00	PPBV		0.01
76) CHLOROBENZENE-D5	10.045	117	593542	10.00	PPBV		0.01
109) BROMOCHLOROMETHANE (A)	3.242	128	127134	10.00	PPBV		0.02
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	438294	10.18	PPBV		0.00
Target Compounds							Qvalue
6) DICHLORODIFLUOROMETHANE	1.673	85	7925	0.2501	PPBV	#	94
10) CHLOROMETHANE	1.718	52	389	0.1182	PPBV		73
21) TRICHLOROFLUOROMETHANE	2.174	101	3836	0.1374	PPBV		98
22) ISOPROPYL ALCOHOL	2.197	45	12692	0.5390	PPBV		91
23) ACETONE	2.116	58	165484	22.4077	PPBV		100
27) CARBON DISULFIDE	2.509	76	3961	0.1443	PPBV	#	75
28) ETHANOL	1.978	45	28043	4.3504	PPBV		99
31) METHYLENE CHLORIDE	2.415	84	9006	0.8952	PPBV		90
34) TRANS-1,2-DICHLOROETHENE	2.734	96	45269	3.9456	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.409	59	9627	0.3555	PPBV	#	76
37) TETRAHYDROFURAN	3.528	72	23821	4.6853	PPBV		97
38) HEXANE	3.293	57	73314	3.5021	PPBV	#	78
41) METHYL ETHYL KETONE	2.975	72	14596	2.5846	PPBV		89
44) ETHYL ACETATE	3.303	61	9046	2.2554	PPBV		56
46) CHLOROFORM	3.313	83	9724	0.4185	PPBV		90
51) BENZENE	4.184	78	30954	0.9118	PPBV		99
53) CYCLOHEXANE	4.390	84	61674	4.2766	PPBV		98
55) TRICHLOROETHENE	5.075	95	4033	0.2599	PPBV		96
60) 2,2,4-TRIMETHYLPENTANE	5.165	57	80847	1.3774	PPBV		99
62) HEPTANE	5.480	43	145111	7.0348	PPBV		97
64) METHYL ISOBUTYL KETONE	6.126	58	5445	0.4422	PPBV		98
66) TOLUENE	7.197	91	202163	4.6872	PPBV		100
72) TETRACHLOROETHENE	8.917	164	29547	1.8081	PPBV		97
79) ETHYLBENZENE	10.994	91	151229	2.5869	PPBV		99
80) M,P-XYLENE	11.373	91	241921	5.2790	PPBV		59
81) O-XYLENE	12.348	91	172705	3.7523	PPBV		99
82) STYRENE	12.148	104	5395	0.1637	PPBV		92
92) 4-ETHYLTOLUENE	15.640	105	69491	1.0871	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.913	105	102608	1.9074	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.537	105	148416	2.7352	PPBV	#	37

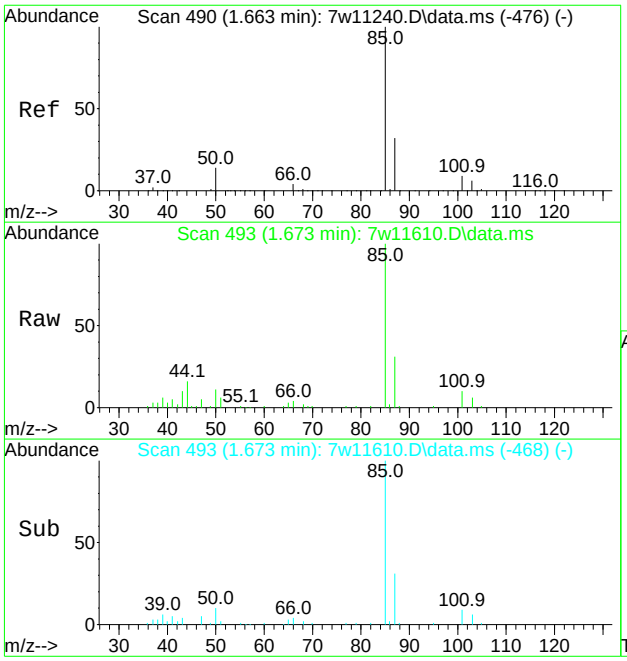
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11610.D
Acq On : 9 Jan 2025 8:10 am
Operator : benk
Sample : je3522-2 Inst : MS7W
Misc : MS88628,v7w416,200,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 10 05:38:44 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

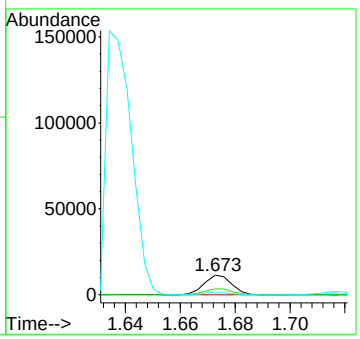


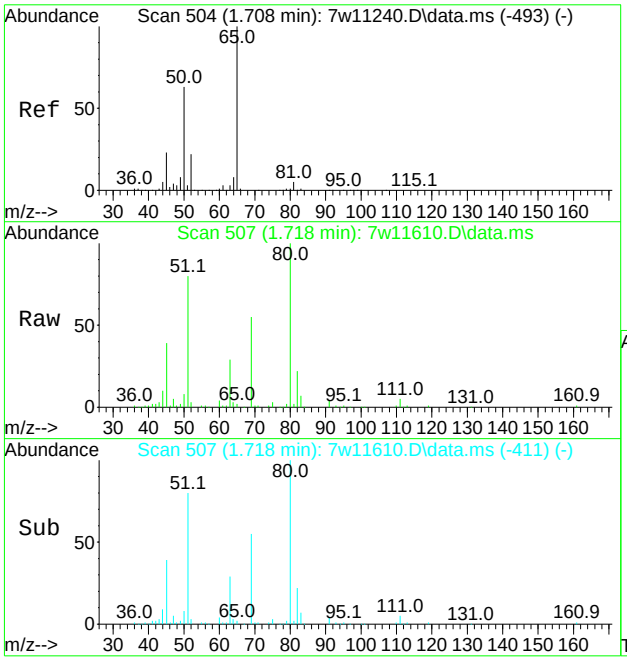


#6
DICHLORODIFLUOROMETHANE
Concen: 0.2501 PPBV
RT: 1.673 min Scan# 493
Delta R.T. 0.010 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 85 Resp: 7925

Ion	Ratio	Lower	Upper
85	100		
87	31.8	22.5	41.7
50	13.0	13.8	25.6#

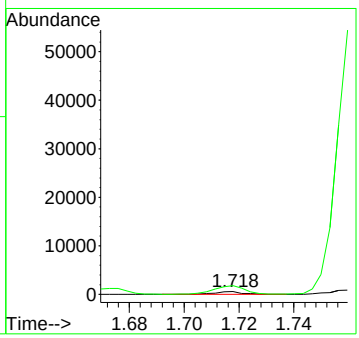


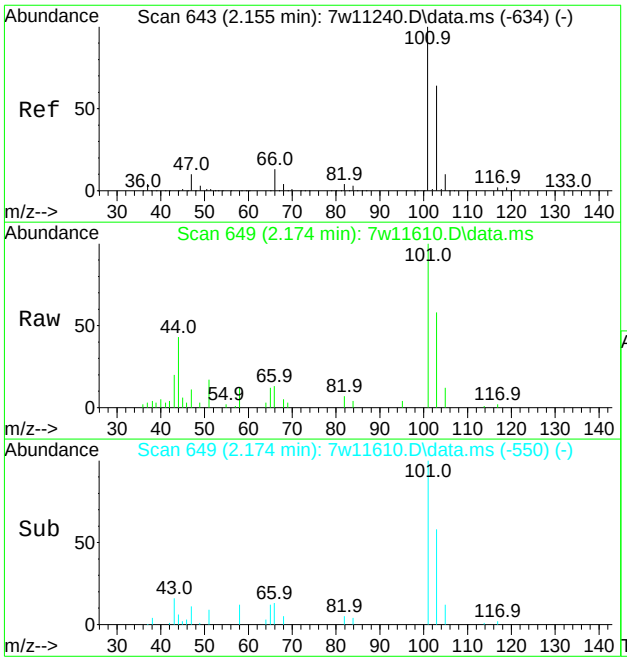


#10
CHLOROMETHANE
Concen: 0.1182 PPBV
RT: 1.718 min Scan# 507
Delta R.T. 0.010 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 52 Resp: 389

Ion	Ratio	Lower	Upper
52	100		
50	369.4	220.1	408.8

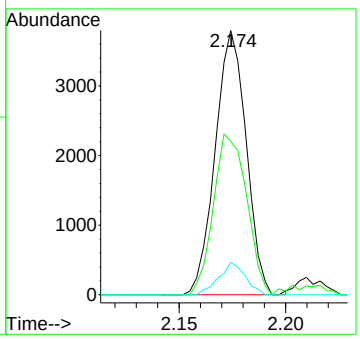


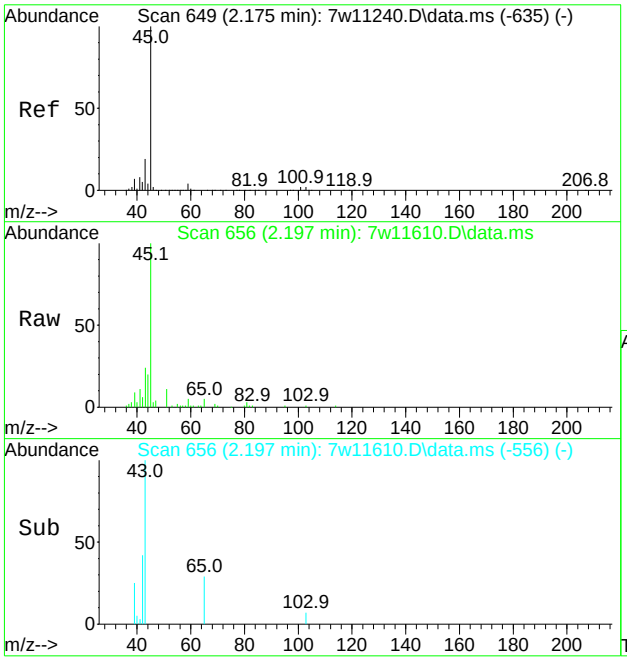


#21
TRICHLOROFLUOROMETHANE
Concen: 0.1374 PPBV
RT: 2.174 min Scan# 649
Delta R.T. 0.019 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion:101 Resp: 3836

Ion	Ratio	Lower	Upper
101	100		
103	65.7	44.9	83.5
105	10.5	7.3	13.5

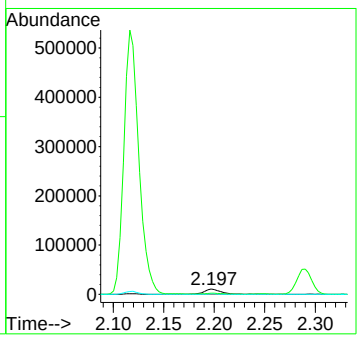


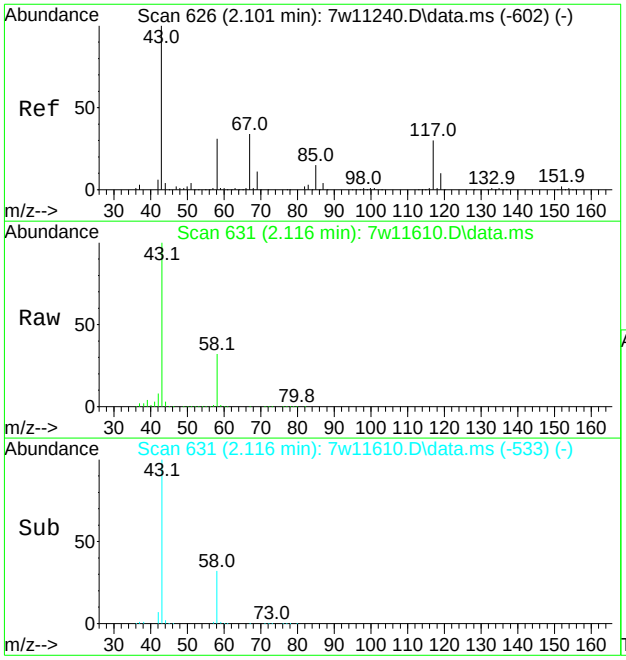


#22
ISOPROPYL ALCOHOL
Concen: 0.5390 PPBV
RT: 2.197 min Scan# 656
Delta R.T. 0.022 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 45 Resp: 12692

Ion	Ratio	Lower	Upper
45	100		
43	24.7	13.9	25.9
59	4.0	2.8	5.2

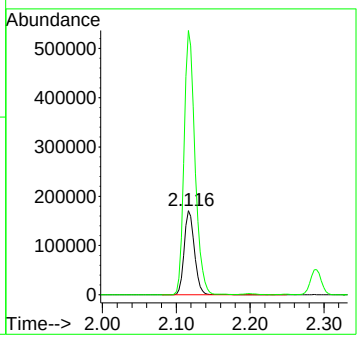


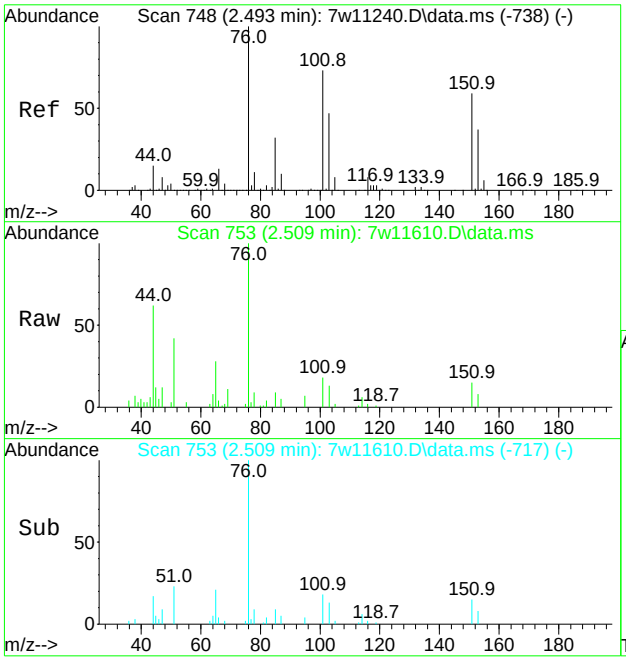


#23
ACETONE
Concen: 22.4077 PPBV
RT: 2.116 min Scan# 631
Delta R.T. 0.015 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 58 Resp: 165484

Ion	Ratio	Lower	Upper
58	100		
43	335.2	234.4	435.2

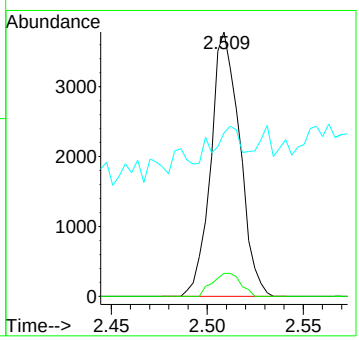


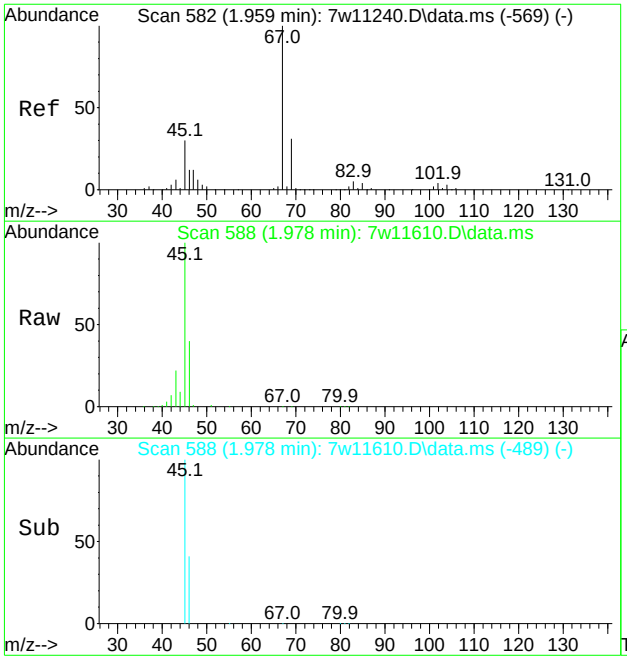


#27
CARBON DISULFIDE
Concen: 0.1443 PPBV
RT: 2.509 min Scan# 753
Delta R.T. 0.016 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 76 Resp: 3961

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.8	14.6
44	0.0	11.3	20.9#

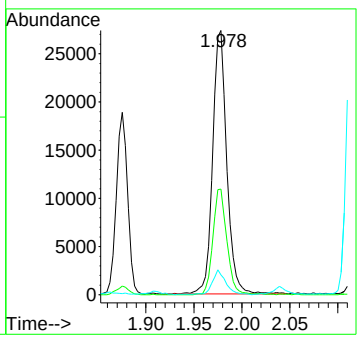


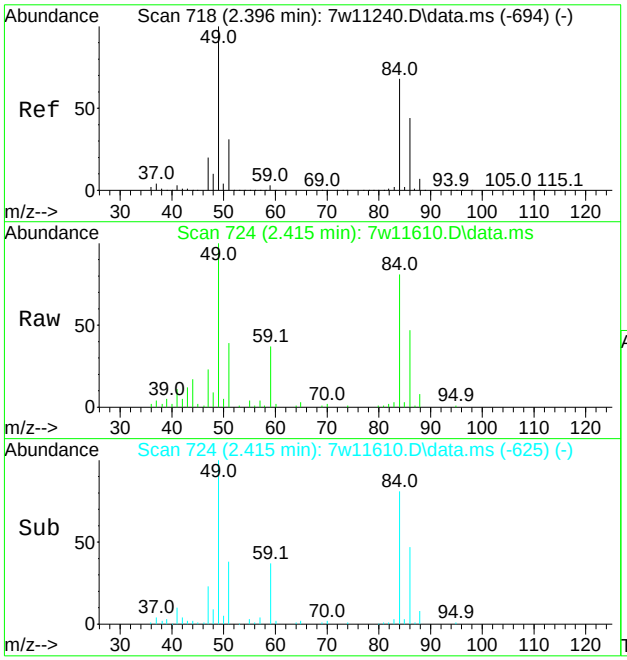


#28
ETHANOL
Concen: 4.3504 PPBV
RT: 1.978 min Scan# 588
Delta R.T. 0.019 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 45 Resp: 28043

Ion	Ratio	Lower	Upper
45	100		
46	40.2	28.6	53.0
42	9.3	6.3	11.7

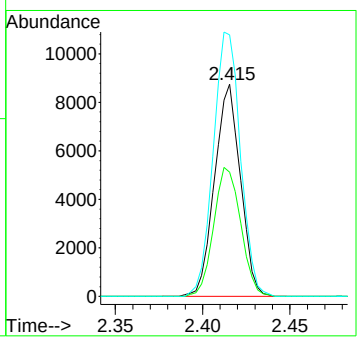


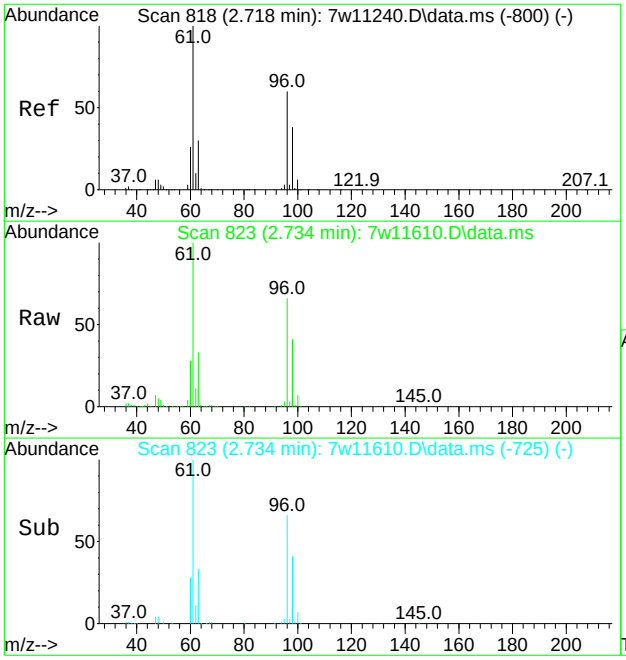


#31
METHYLENE CHLORIDE
Concen: 0.8952 PPBV
RT: 2.415 min Scan# 724
Delta R.T. 0.019 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 84 Resp: 9006

Ion	Ratio	Lower	Upper
84	100		
86	63.6	46.0	85.4
49	131.0	103.9	192.9

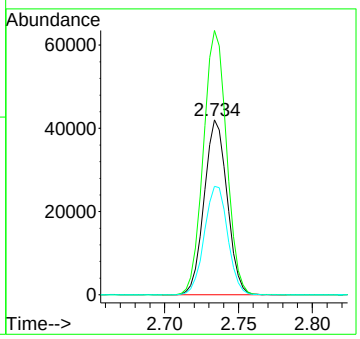


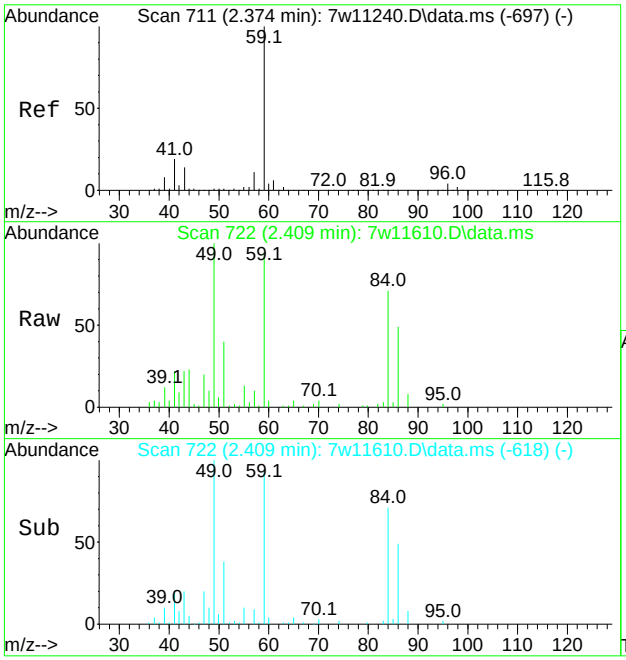


#34
TRANS-1,2-DICHLOROETHENE
Concen: 3.9456 PPBV
RT: 2.734 min Scan# 823
Delta R.T. 0.016 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 96 Resp: 45269

Ion	Ratio	Lower	Upper
96	100		
61	152.5	116.2	215.8
98	63.2	44.2	82.2

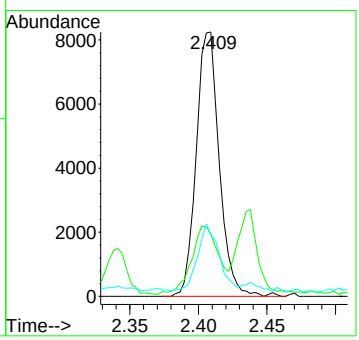


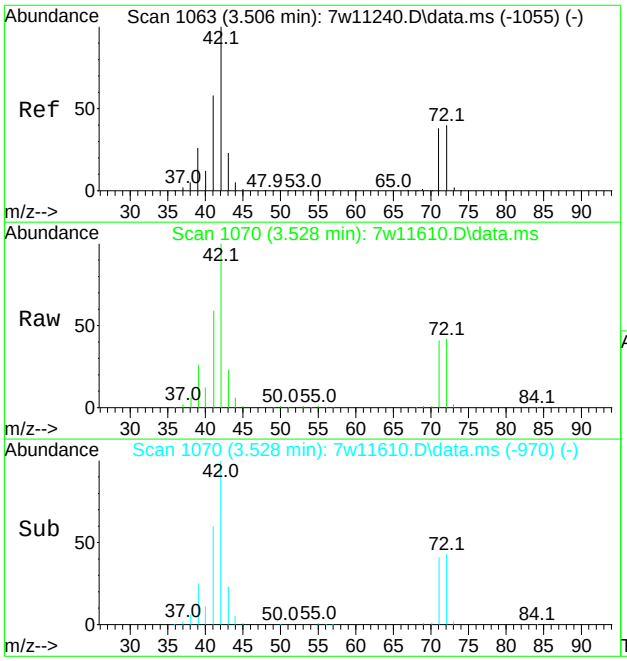


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.3555 PPBV
RT: 2.409 min Scan# 722
Delta R.T. 0.035 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 59 Resp: 9627

Ion	Ratio	Lower	Upper
59	100		
41	29.2	14.3	26.5#
43	27.0	9.9	18.5#

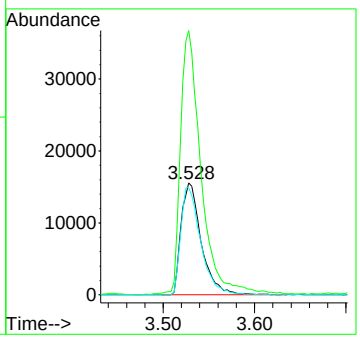


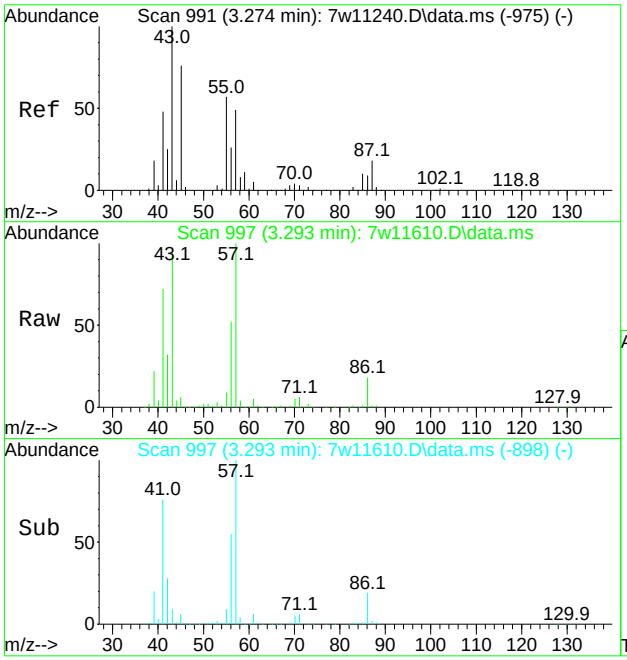


#37
TETRAHYDROFURAN
Concen: 4.6853 PPBV
RT: 3.528 min Scan# 1070
Delta R.T. 0.022 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 72 Resp: 23821

Ion	Ratio	Lower	Upper
72	100		
42	242.9	174.9	324.9
71	94.9	67.2	124.8

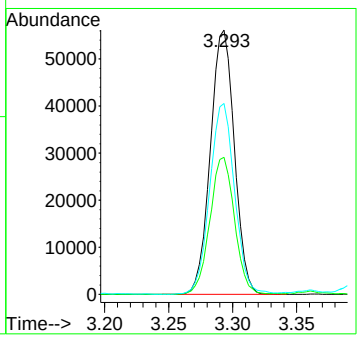


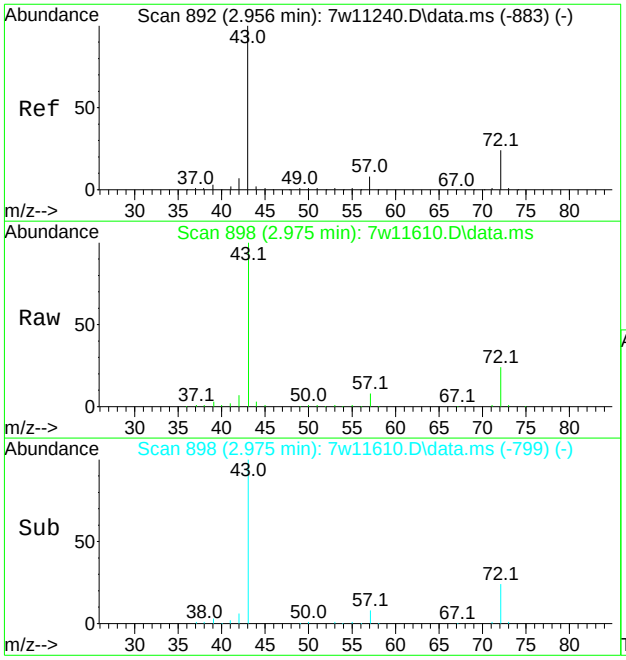


#38
HEXANE
Concen: 3.5021 PPBV
RT: 3.293 min Scan# 997
Delta R.T. 0.019 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 57 Resp: 73314

Ion	Ratio	Lower	Upper
57	100		
56	53.3	37.8	70.2
41	75.1	75.9	140.9#

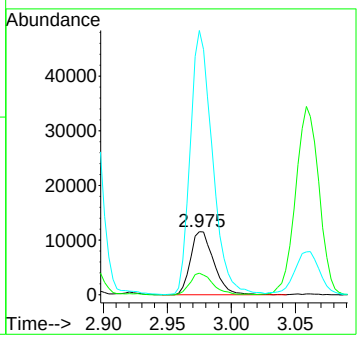


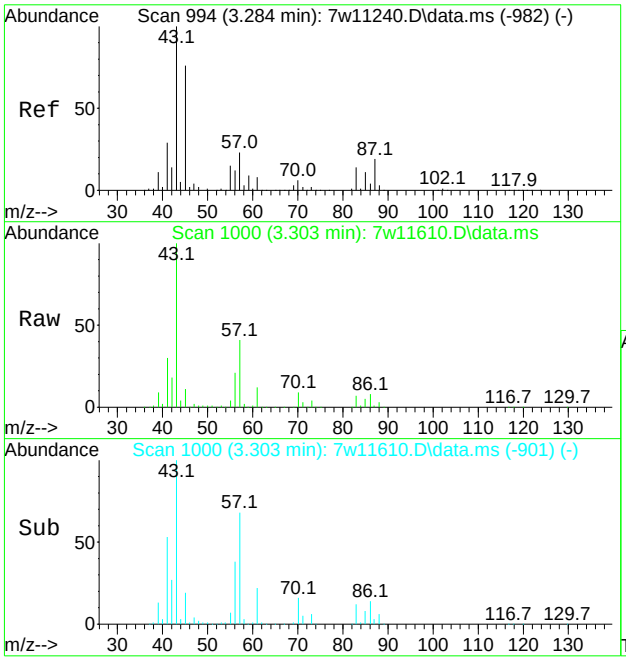


#41
METHYL ETHYL KETONE
Concen: 2.5846 PPBV
RT: 2.975 min Scan# 898
Delta R.T. 0.019 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 72 Resp: 14596

Ion	Ratio	Lower	Upper
72	100		
57	34.1	25.3	46.9
43	398.1	299.6	556.4

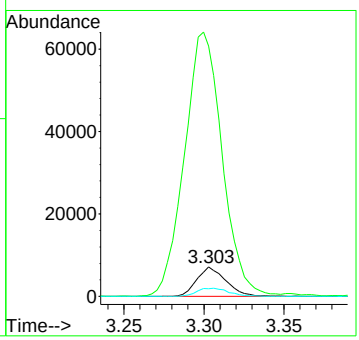


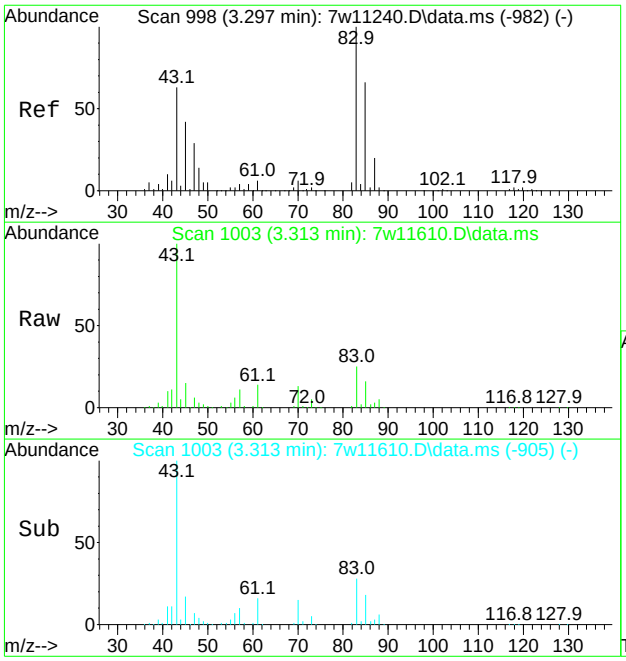


#44
ETHYL ACETATE
Concen: 2.2554 PPBV
RT: 3.303 min Scan# 1000
Delta R.T. 0.019 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 61 Resp: 9046

Ion	Ratio	Lower	Upper
61	100		
43	1174.2	1005.1	1866.5
88	30.7	29.3	54.5

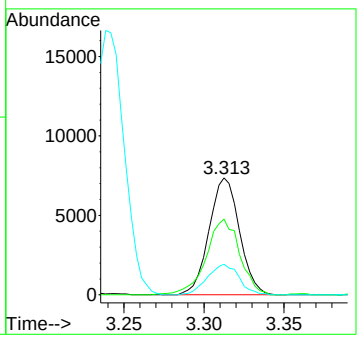


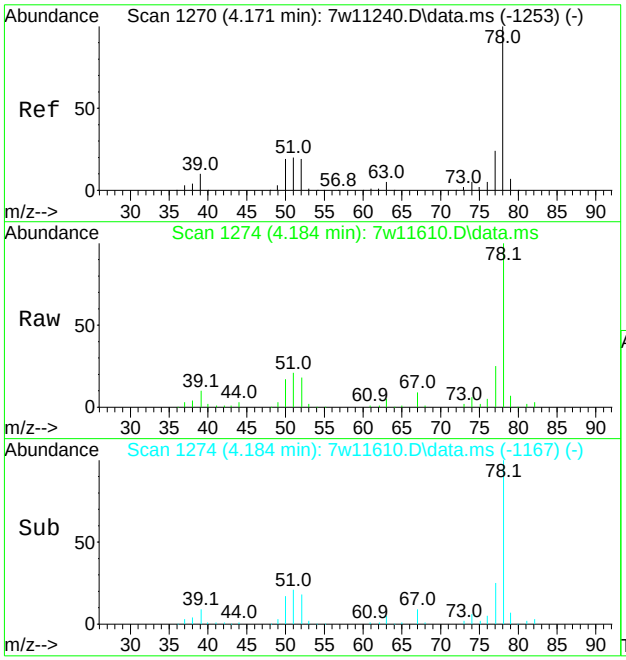


#46
CHLOROFORM
Concen: 0.4185 PPBV
RT: 3.313 min Scan# 1003
Delta R.T. 0.016 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 83 Resp: 9724

Ion	Ratio	Lower	Upper
83	100		
85	71.2	57.0	105.9
47	27.1	20.9	38.7

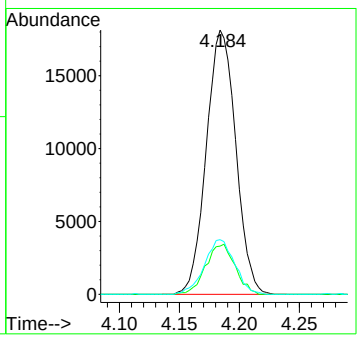


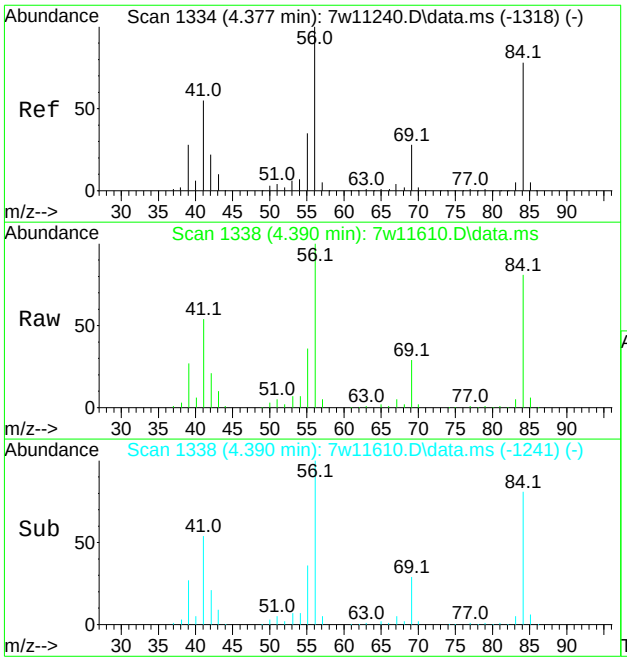


#51
BENZENE
Concen: 0.9118 PPBV
RT: 4.184 min Scan# 1274
Delta R.T. 0.013 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 78 Resp: 30954

Ion	Ratio	Lower	Upper
78	100		
52	18.9	0.0	48.9
51	21.3	0.0	50.2

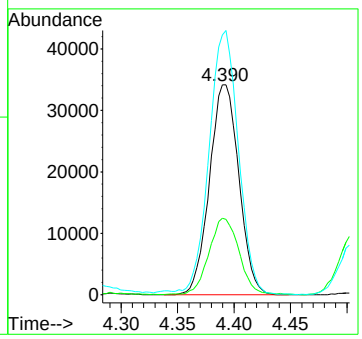


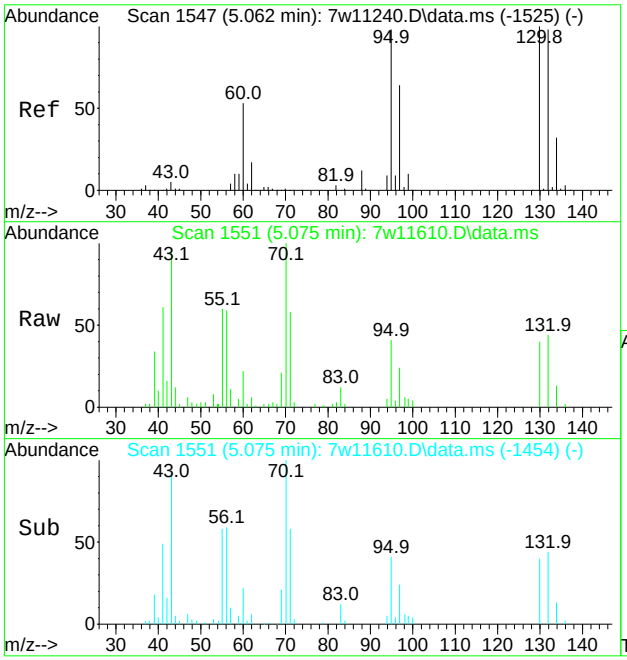


#53
CYCLOHEXANE
Concen: 4.2766 PPBV
RT: 4.390 min Scan# 1338
Delta R.T. 0.013 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 84 Resp: 61674

Ion	Ratio	Lower	Upper
84	100		
69	37.8	24.8	46.0
56	126.6	89.8	166.8

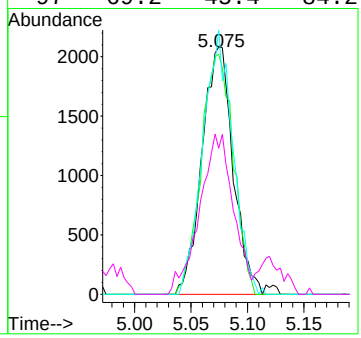


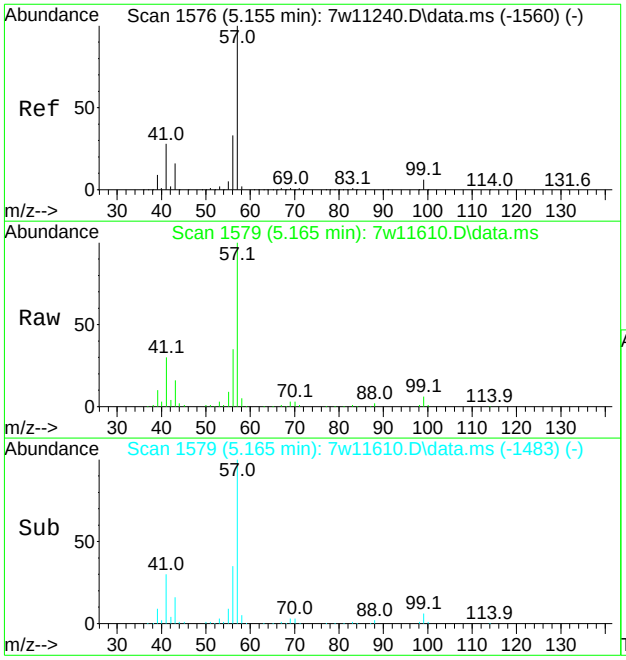


#55
TRICHLOROETHENE
Concen: 0.2599 PPBV
RT: 5.075 min Scan# 1551
Delta R.T. 0.013 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 95 Resp: 4033

Ion	Ratio	Lower	Upper
95	100		
130	98.8	72.8	135.2
132	101.5	71.9	133.5
97	69.2	45.4	84.2

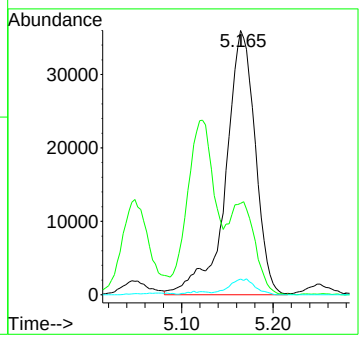


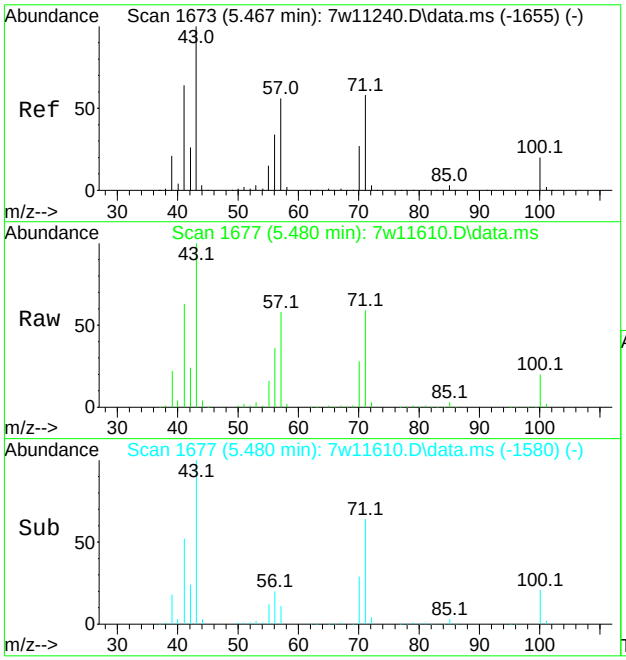


#60
2,2,4-TRIMETHYLPENTANE
Concen: 1.3774 PPBV
RT: 5.165 min Scan# 1579
Delta R.T. 0.010 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 57 Resp: 80847

Ion	Ratio	Lower	Upper
57	100		
56	31.8	22.7	42.1
99	5.3	3.9	7.3

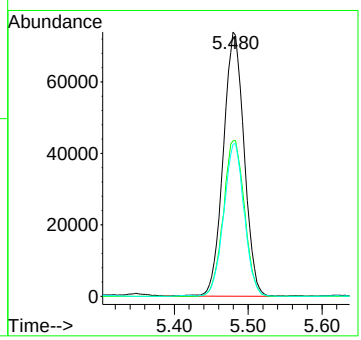


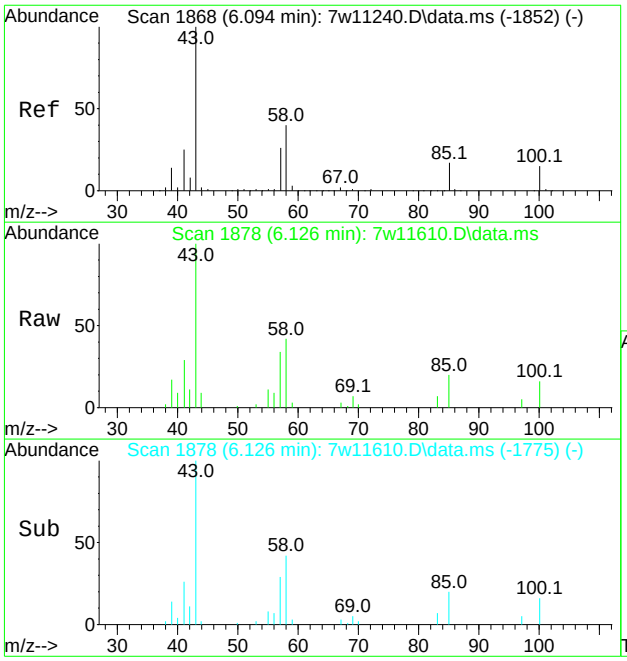


#62
HEPTANE
Concen: 7.0348 PPBV
RT: 5.480 min Scan# 1677
Delta R.T. 0.013 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 43 Resp: 145111

Ion	Ratio	Lower	Upper
43	100		
71	59.8	40.0	74.4
57	57.0	38.9	72.2

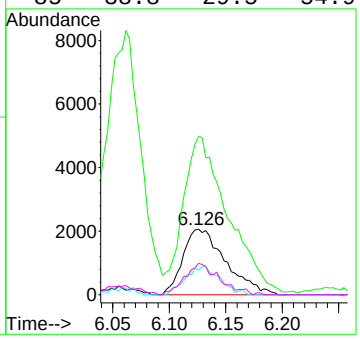


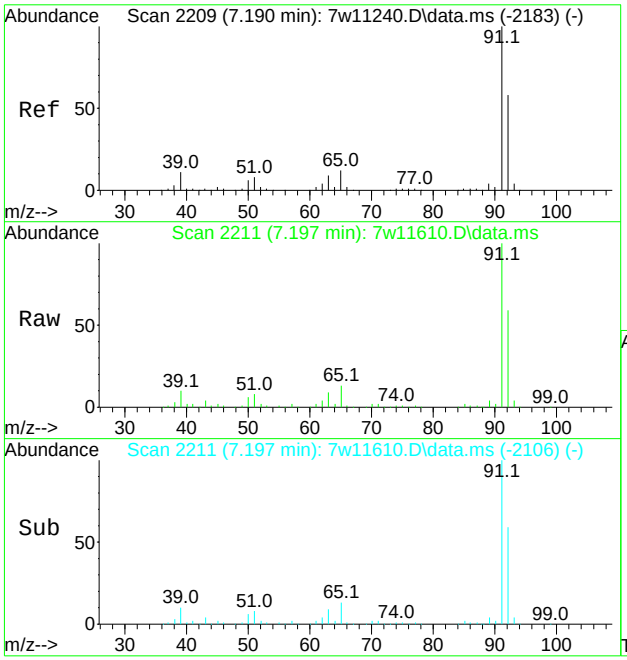


#64
METHYL ISOBUTYL KETONE
Concen: 0.4422 PPBV
RT: 6.126 min Scan# 1878
Delta R.T. 0.032 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 58 Resp: 5445

Ion	Ratio	Lower	Upper
58	100		
43	251.7	175.8	326.4
100	34.9	26.9	49.9
85	38.8	29.5	54.9

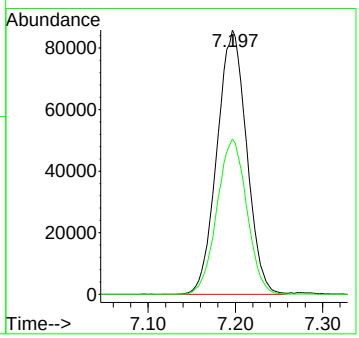


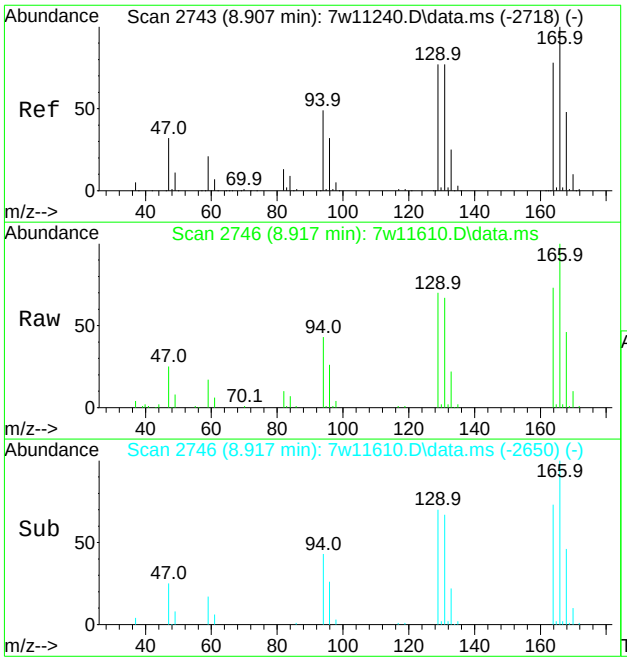


#66
TOLUENE
Concen: 4.6872 PPBV
RT: 7.197 min Scan# 2211
Delta R.T. 0.007 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 91 Resp: 202163

Ion	Ratio	Lower	Upper
91	100		
92	59.2	29.0	89.0

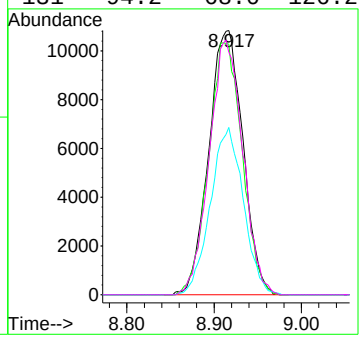


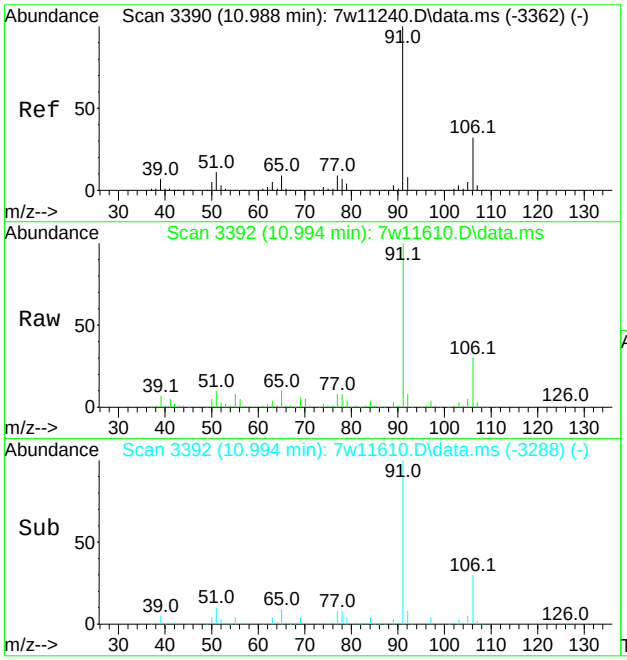


#72
TETRACHLOROETHENE
Concen: 1.8081 PPBV
RT: 8.917 min Scan# 2746
Delta R.T. 0.010 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion:164 Resp: 29547

Ion	Ratio	Lower	Upper
164	100		
129	93.7	68.9	127.9
168	61.0	42.3	78.5
131	94.2	68.0	126.2

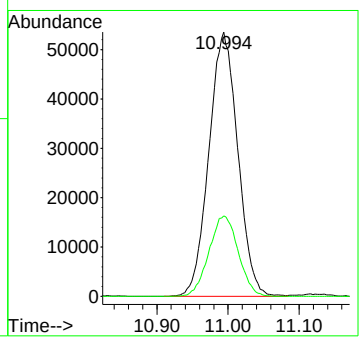


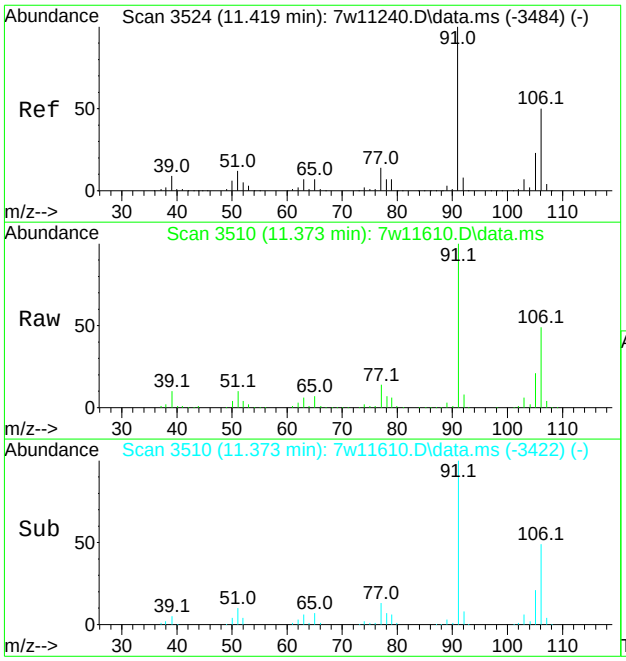


#79
ETHYLBENZENE
Concen: 2.5869 PPBV
RT: 10.994 min Scan# 3392
Delta R.T. 0.006 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 91 Resp: 151229

Ion	Ratio	Lower	Upper
91	100		
106	30.8	1.6	61.6

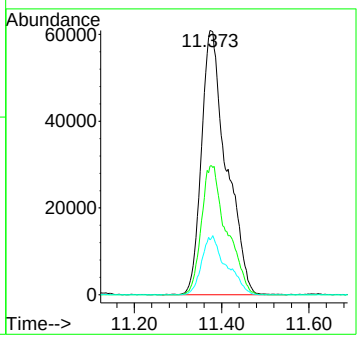


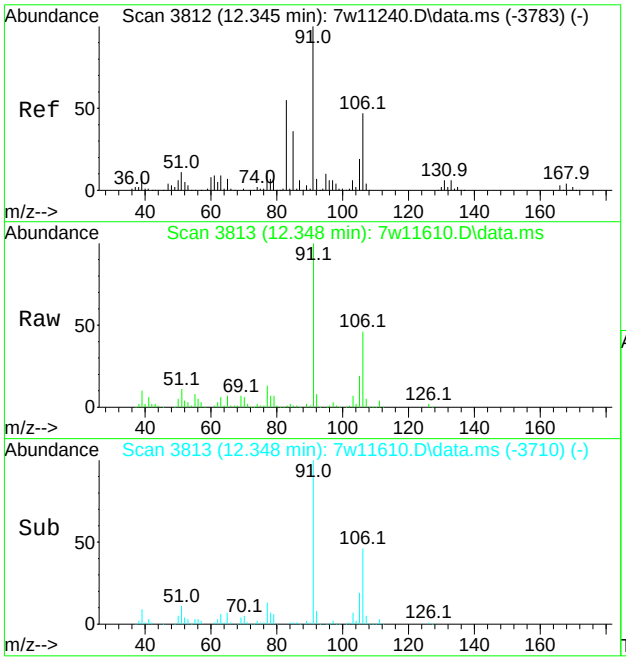


#80
M,P-XYLENE
Concen: 5.2790 PPBV
RT: 11.373 min Scan# 3510
Delta R.T. -0.046 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 91 Resp: 241921

Ion	Ratio	Lower	Upper
91	100		
106	49.5	0.0	55.5
105	22.1	0.0	41.7

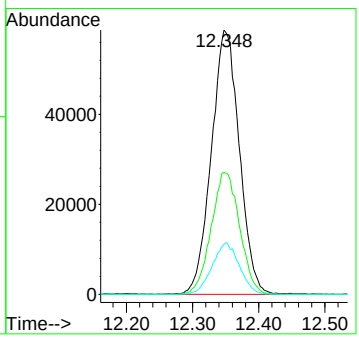


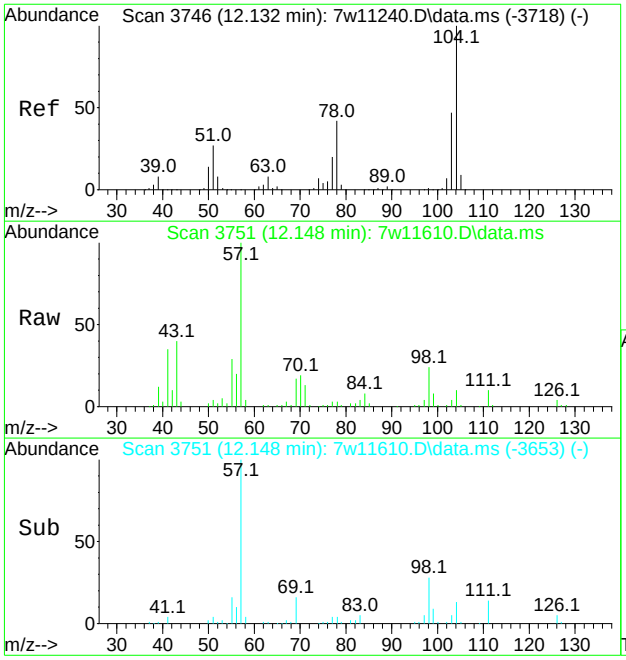


#81
O-XYLENE
Concen: 3.7523 PPBV
RT: 12.348 min Scan# 3813
Delta R.T. 0.003 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion: 91 Resp: 172705

Ion	Ratio	Lower	Upper
91	100		
106	46.1	32.7	60.7
105	18.9	13.2	24.6

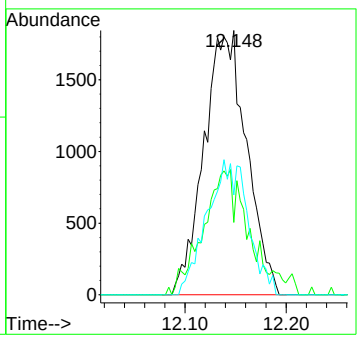


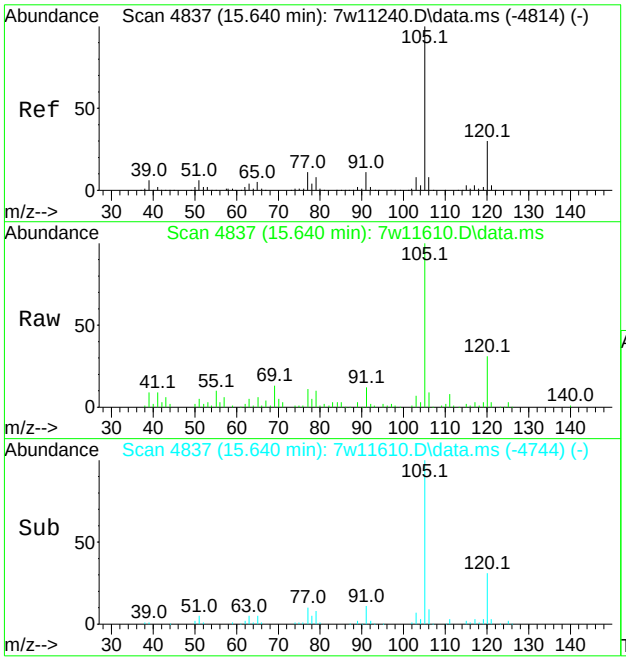


#82
STYRENE
Concen: 0.1637 PPBV
RT: 12.148 min Scan# 3751
Delta R.T. 0.016 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion:104 Resp: 5395

Ion	Ratio	Lower	Upper
104	100		
78	52.0	30.0	55.6
103	49.0	33.0	61.4

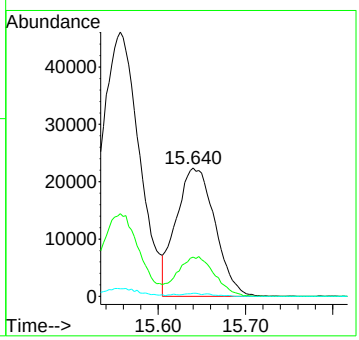


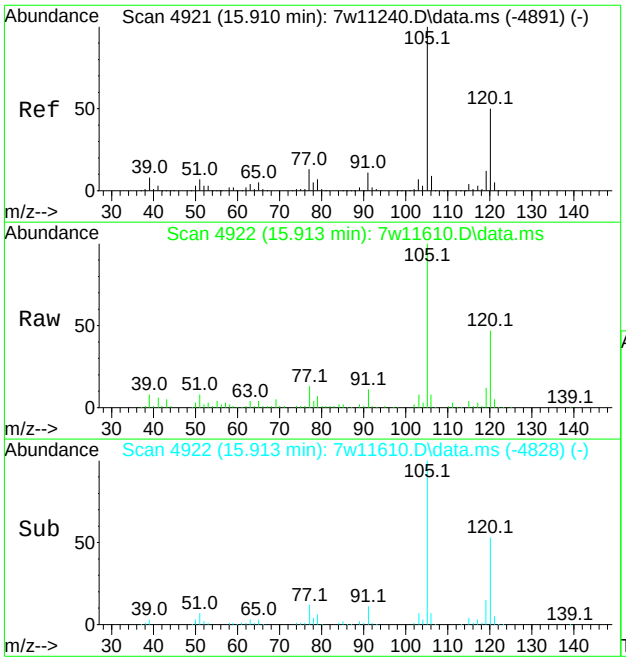


#92
4-ETHYLTOLUENE
Concen: 1.0871 PPBV
RT: 15.640 min Scan# 4837
Delta R.T. 0.000 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion:105 Resp: 69491

Ion	Ratio	Lower	Upper
105	100		
120	29.8	21.1	39.1
119	2.2	1.6	3.0

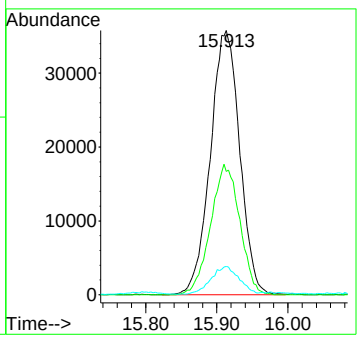


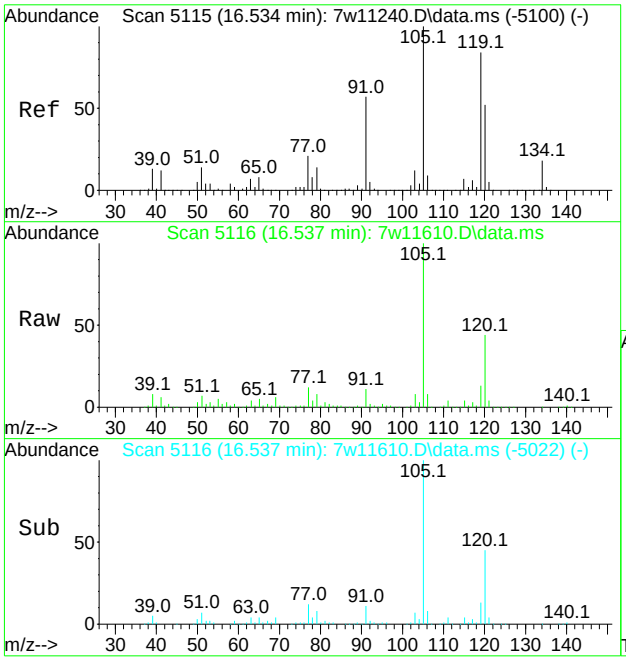


#93
1,3,5-TRIMETHYLBENZENE
Concen: 1.9074 PPBV
RT: 15.913 min Scan# 4922
Delta R.T. 0.003 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion:105 Resp: 102608

Ion	Ratio	Lower	Upper
105	100		
120	48.8	34.9	64.7
91	11.6	7.5	13.9

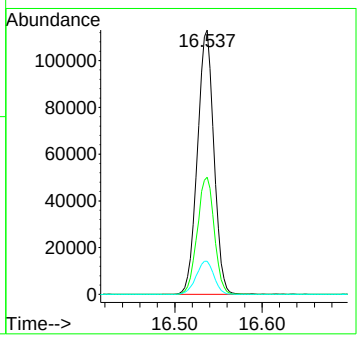




#96
1,2,4-TRIMETHYLBENZENE
Concen: 2.7352 PPBV
RT: 16.537 min Scan# 5116
Delta R.T. 0.003 min
Lab File: 7w11610.D
Acq: 9 Jan 2025 8:10 am

Tgt Ion:105 Resp: 148416

Ion	Ratio	Lower	Upper
105	100		
120	45.6	38.8	72.0
119	13.6	74.3	137.9#



Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\v7w415\
Data File : 7w11592.D
Acq On : 8 Jan 2025 6:52 pm
Operator : benk
Sample : je3522-3 Inst : MS7W
Misc : MS88628,v7w415,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 10 03:51:04 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

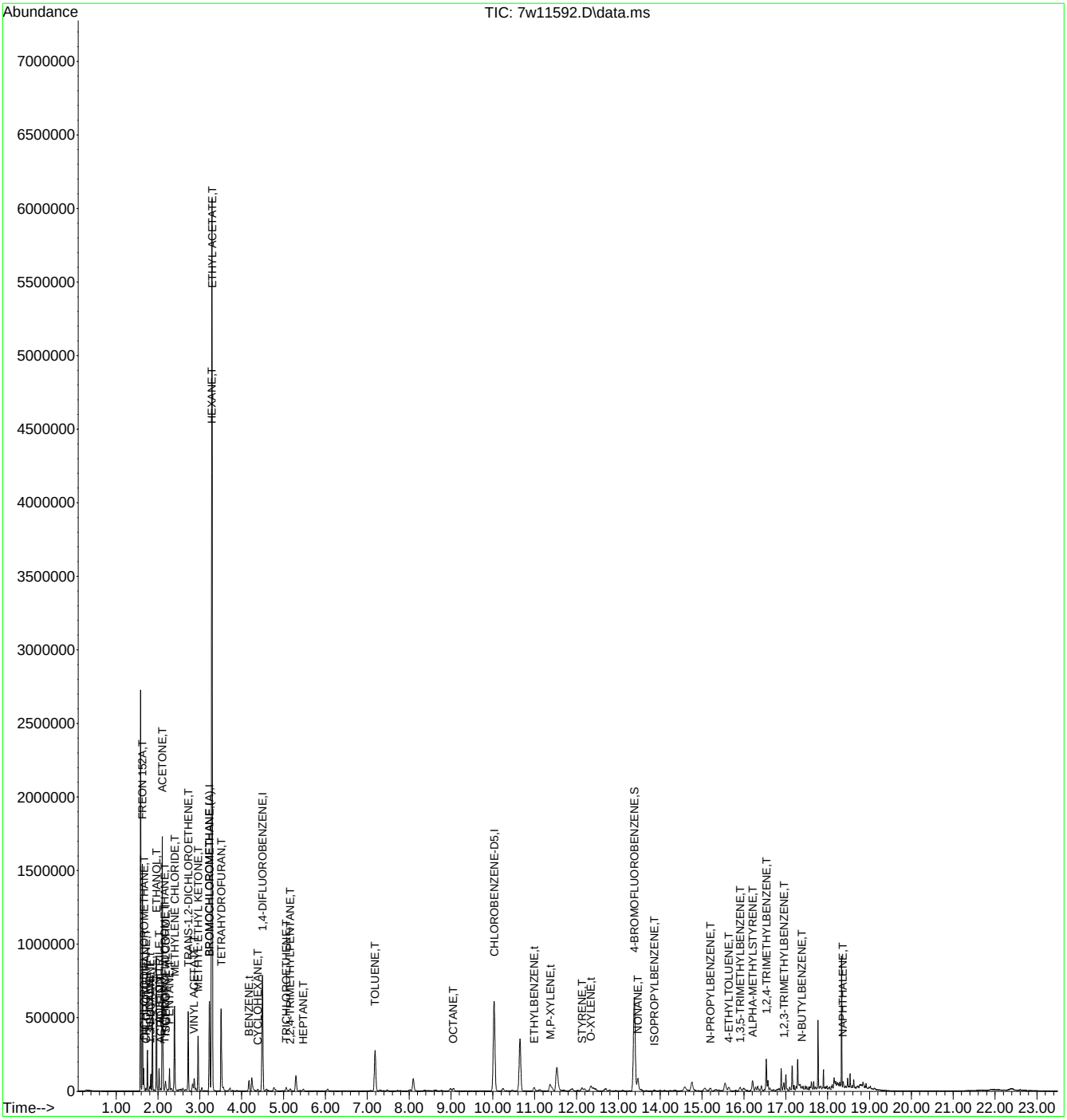
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	116990	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	569875	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	548431	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	116990	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.380	95	402738	10.12	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	244429	43.8736	PPBV	97
6) DICHLORODIFLUOROMETHANE	1.666	85	13414	0.4599	PPBV #	94
10) CHLOROMETHANE	1.711	52	1758	0.5806	PPBV	90
12) 1,3-BUTADIENE	1.811	54	2392	0.2869	PPBV #	13
13) N-BUTANE	1.827	43	45847	3.0216	PPBV #	98
17) ACETONITRILE	2.026	41	79603	8.4658	PPBV	99
18) ACROLEIN	2.065	56	7310	1.4802	PPBV	97
21) TRICHLOROFLUOROMETHANE	2.161	101	6743	0.2625	PPBV	95
22) ISOPROPYL ALCOHOL	2.181	45	50123	2.3127	PPBV	95
23) ACETONE	2.104	58	356414	52.4353	PPBV	91
24) PENTANE	2.274	42	31161	2.9932	PPBV	99
28) ETHANOL	1.962	45	506029	85.2911	PPBV	98
31) METHYLENE CHLORIDE	2.399	84	65432	7.0663	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.721	96	114234	10.8176	PPBV	100
37) TETRAHYDROFURAN	3.509	72	109018	23.2972	PPBV	99
38) HEXANE	3.280	57	168869	8.7644	PPBV	89
39) VINYL ACETATE	2.862	86	8049	2.8162	PPBV	84
41) METHYL ETHYL KETONE	2.959	72	69355	13.3436	PPBV	96
44) ETHYL ACETATE	3.290	61	701999	190.1610	PPBV #	1
51) BENZENE	4.174	78	53018	1.6969	PPBV	98
53) CYCLOHEXANE	4.383	84	3342	0.2482	PPBV	71
55) TRICHLOROETHENE	5.062	95	8352	0.5766	PPBV	96
60) 2,2,4-TRIMETHYLPENTANE	5.158	57	13108	0.2392	PPBV #	79
62) HEPTANE	5.467	43	6721	0.3490	PPBV	88
66) TOLUENE	7.187	91	266541	6.6193	PPBV	100
75) OCTANE	9.052	43	9003	0.3300	PPBV	95
79) ETHYLBENZENE	10.987	91	29708	0.5500	PPBV	99
80) M,P-XYLENE	11.370	91	67523	1.5946	PPBV	60
81) O-XYLENE	12.341	91	35404	0.8325	PPBV	97
82) STYRENE	12.129	104	16143	0.5300	PPBV	98
83) NONANE	13.463	43	55984	1.9165	PPBV	98
88) ISOPROPYLBENZENE	13.855	120	1935	0.1191	PPBV #	72
91) N-PROPYLBENZENE	15.196	120	5866	0.3562	PPBV #	86
92) 4-ETHYLTOLUENE	15.634	105	30489	0.5162	PPBV	96
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	25050	0.5040	PPBV	98
94) ALPHA-METHYLSTYRENE	16.212	118	6475	0.2551	PPBV #	75
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	101156	2.0176	PPBV #	36
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	23042	0.4588	PPBV #	95
104) N-BUTYLBENZENE	17.386	134	2579	0.1606	PPBV #	42
108) NAPHTHALENE	18.363	128	17901	0.2922	PPBV	98

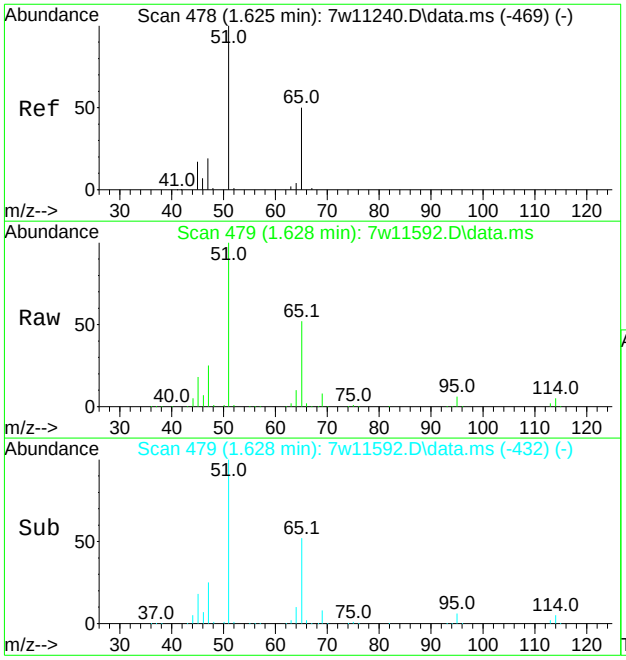
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\v7w415\
Data File : 7w11592.D
Acq On : 8 Jan 2025 6:52 pm
Operator : benk
Sample : je3522-3 Inst : MS7W
Misc : MS88628,v7w415,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 10 03:51:04 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

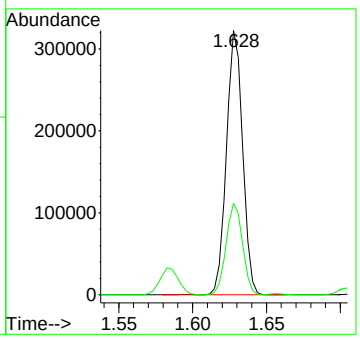


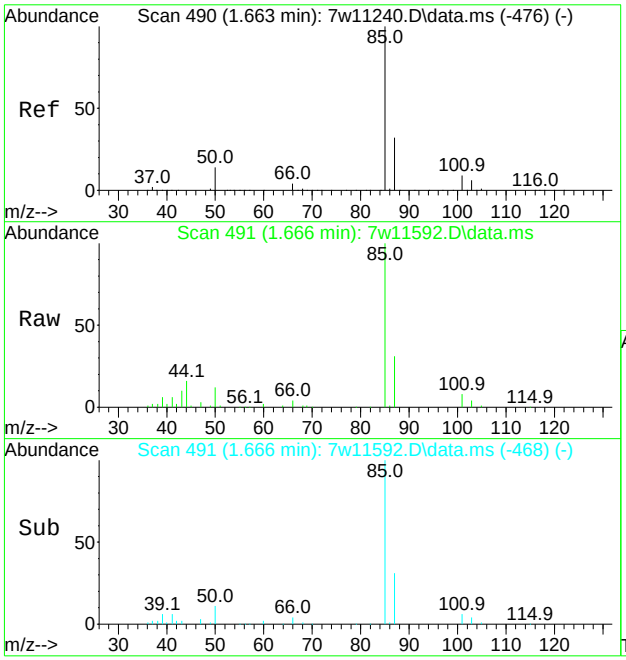


#3
FREON 152A
Concen: 43.8736 PPBV
RT: 1.628 min Scan# 479
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 65 Resp: 244429

Ion	Ratio	Lower	Upper
65	100		
45	35.4	23.5	43.7

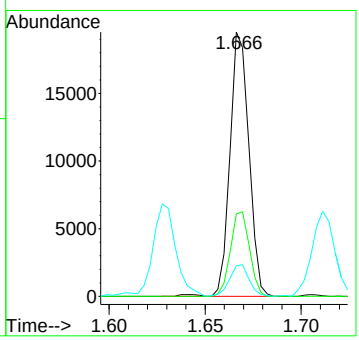


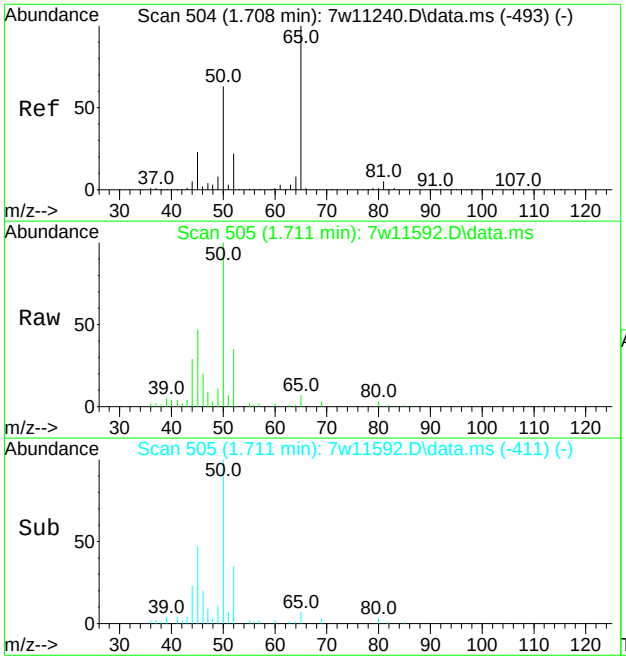


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4599 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 85 Resp: 13414

Ion	Ratio	Lower	Upper
85	100		
87	32.3	22.5	41.7
50	12.4	13.8	25.6#

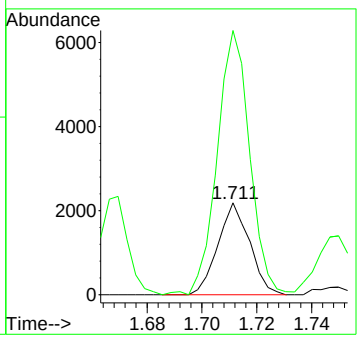


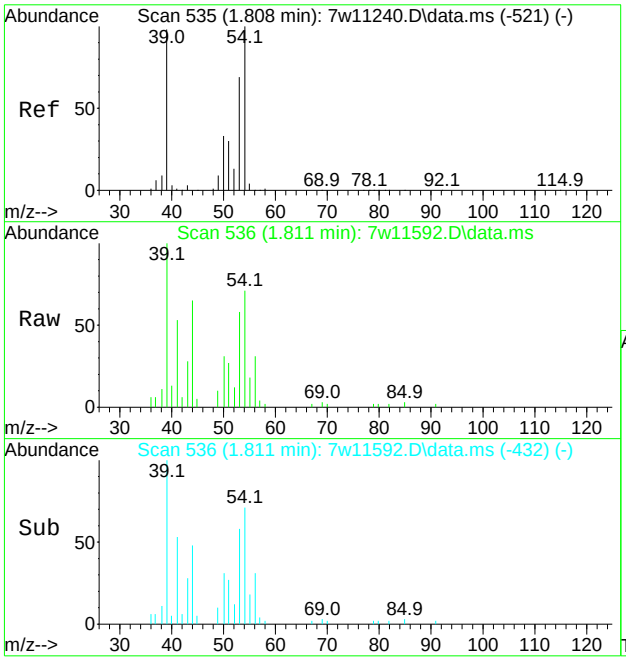


#10
CHLOROMETHANE
Concen: 0.5806 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 52 Resp: 1758

Ion	Ratio	Lower	Upper
52	100		
50	294.3	220.1	408.8

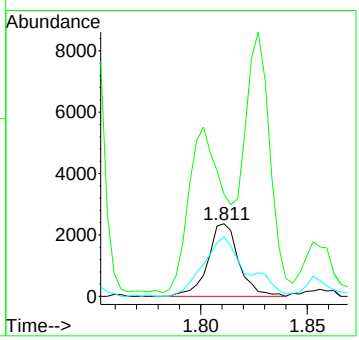


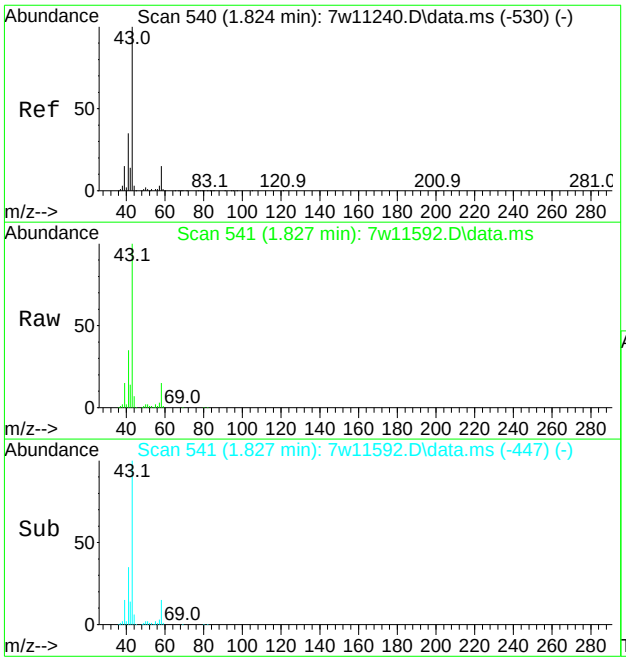


#12
1,3-BUTADIENE
Concen: 0.2869 PPBV
RT: 1.811 min Scan# 536
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 54 Resp: 2392

Ion	Ratio	Lower	Upper
54	100		
39	250.8	98.3	158.3#
53	113.9	41.0	101.0#

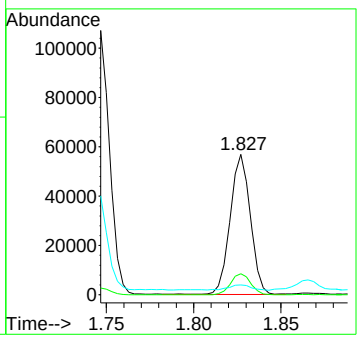


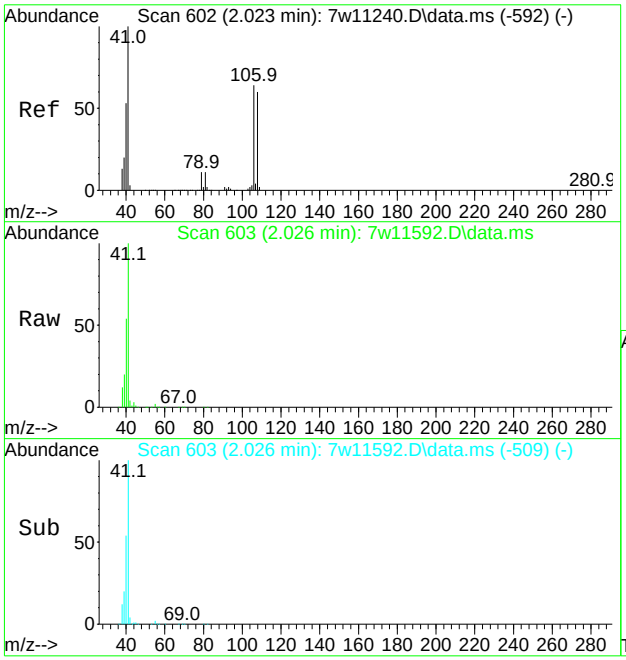


#13
N-BUTANE
Concen: 3.0216 PPBV
RT: 1.827 min Scan# 541
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 43 Resp: 45847

Ion	Ratio	Lower	Upper
43	100		
58	14.9	10.4	19.2
44	6.4	3.0	5.6#

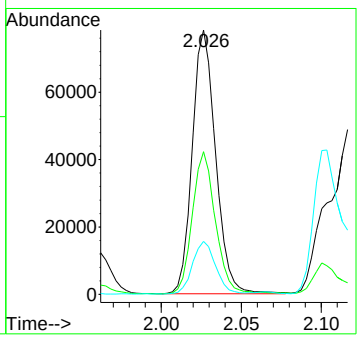


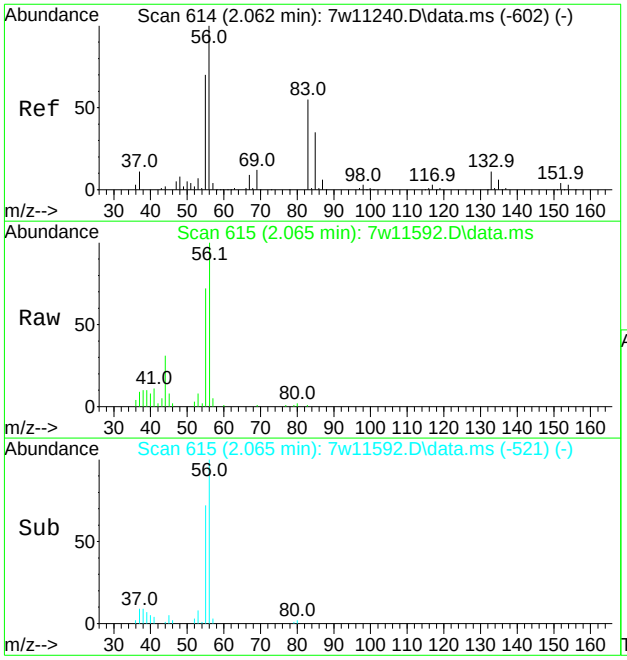


#17
ACETONITRILE
Concen: 8.4658 PPBV
RT: 2.026 min Scan# 603
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 41 Resp: 79603

Ion	Ratio	Lower	Upper
41	100		
40	53.1	37.9	70.5
39	19.9	13.8	25.6

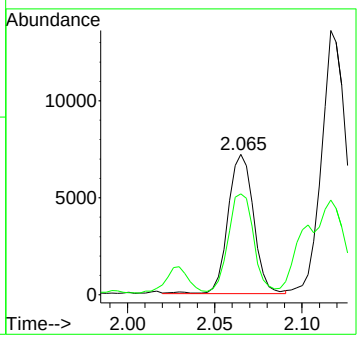


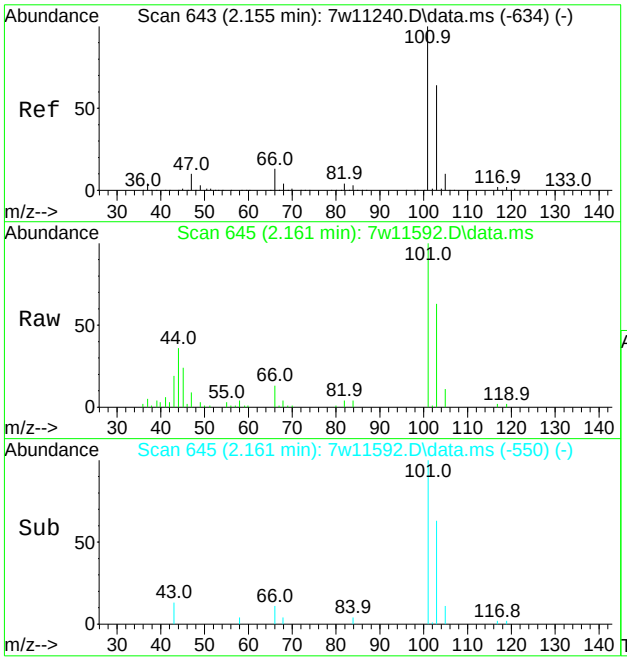


#18
ACROLEIN
Concen: 1.4802 PPBV
RT: 2.065 min Scan# 615
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 56 Resp: 7310

Ion	Ratio	Lower	Upper
56	100		
55	69.7	50.3	93.3

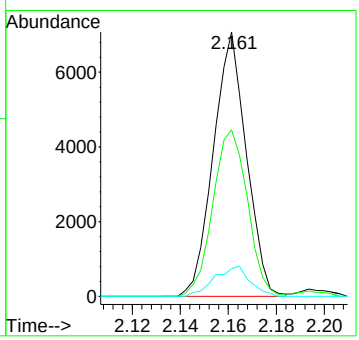


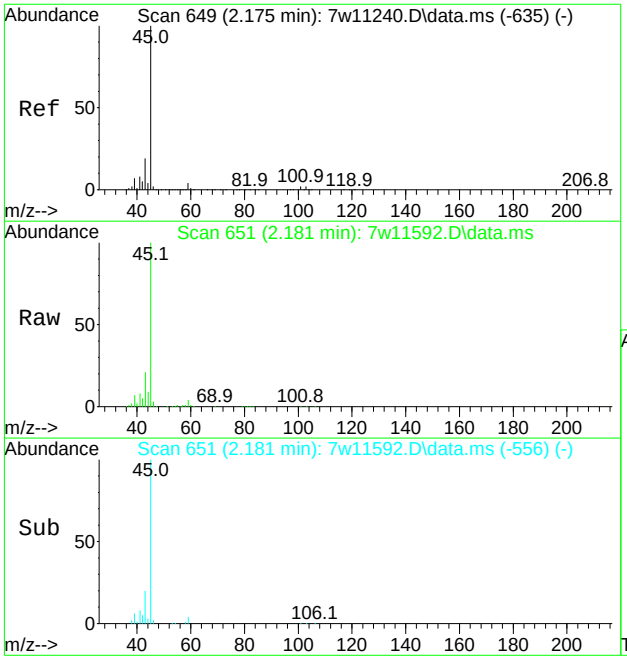


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2625 PPBV
RT: 2.161 min Scan# 645
Delta R.T. 0.006 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion:101 Resp: 6743

Ion	Ratio	Lower	Upper
101	100		
103	68.0	44.9	83.5
105	12.3	7.3	13.5

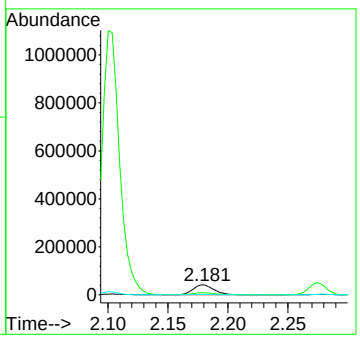


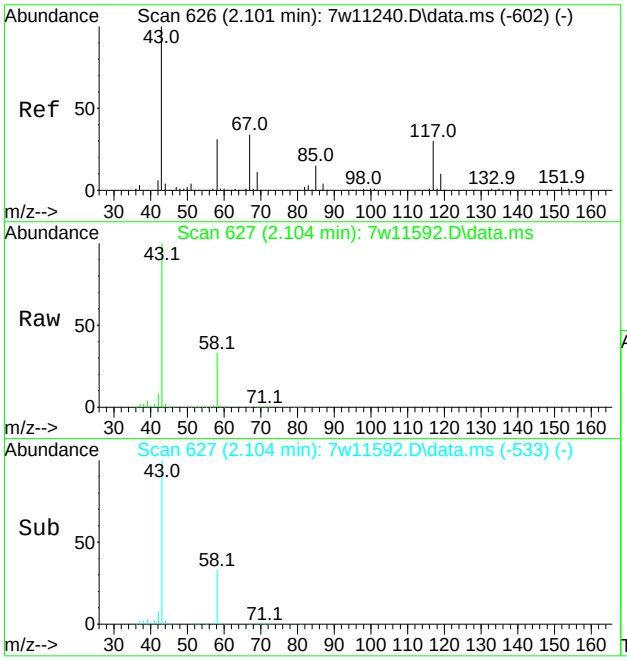


#22
ISOPROPYL ALCOHOL
Concen: 2.3127 PPBV
RT: 2.181 min Scan# 651
Delta R.T. 0.006 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 45 Resp: 50123

Ion	Ratio	Lower	Upper
45	100		
43	22.5	13.9	25.9
59	4.4	2.8	5.2

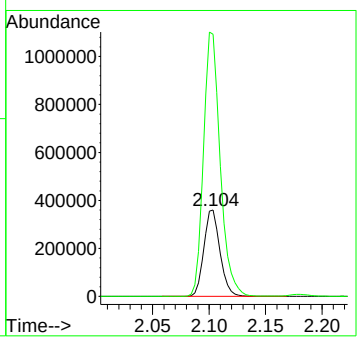


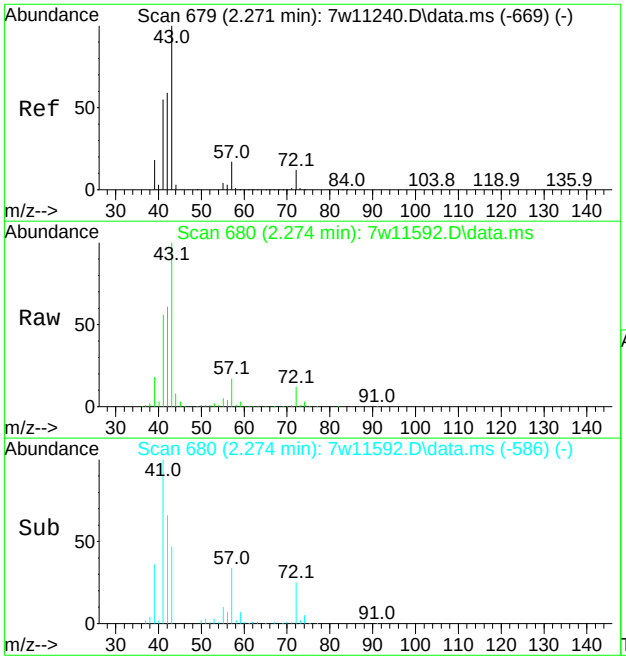


#23
ACETONE
Concen: 52.4353 PPBV
RT: 2.104 min Scan# 627
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 58 Resp: 356414

Ion	Ratio	Lower	Upper
58	100		
43	316.4	234.4	435.2

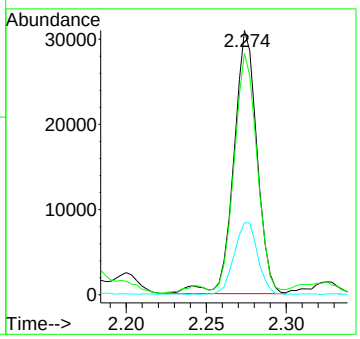


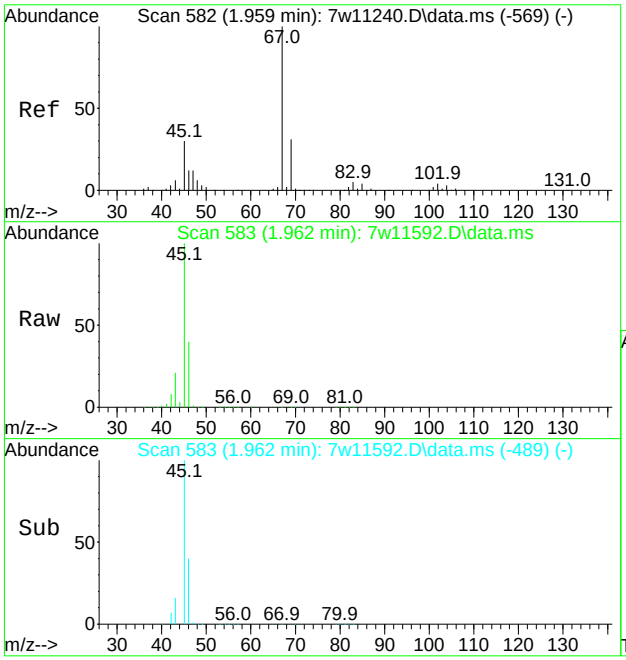


#24
PENTANE
Concen: 2.9932 PPBV
RT: 2.274 min Scan# 680
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 42 Resp: 31161

Ion	Ratio	Lower	Upper
42	100		
41	92.8	64.8	120.3
57	27.5	19.7	36.7

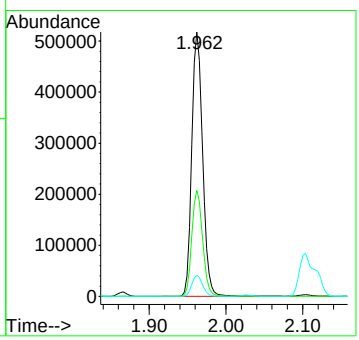


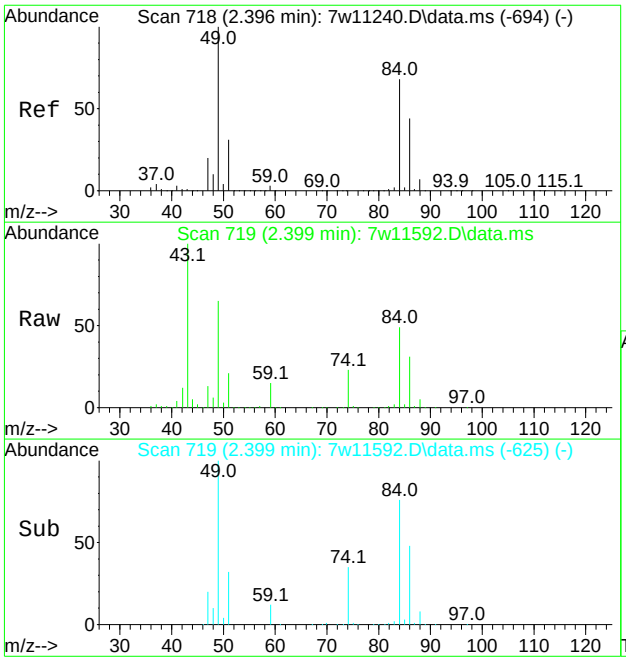


#28
ETHANOL
Concen: 85.2911 PPBV
RT: 1.962 min Scan# 583
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 45 Resp: 506029

Ion	Ratio	Lower	Upper
45	100		
46	40.0	28.6	53.0
42	7.9	6.3	11.7

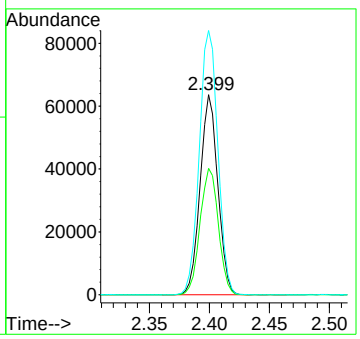


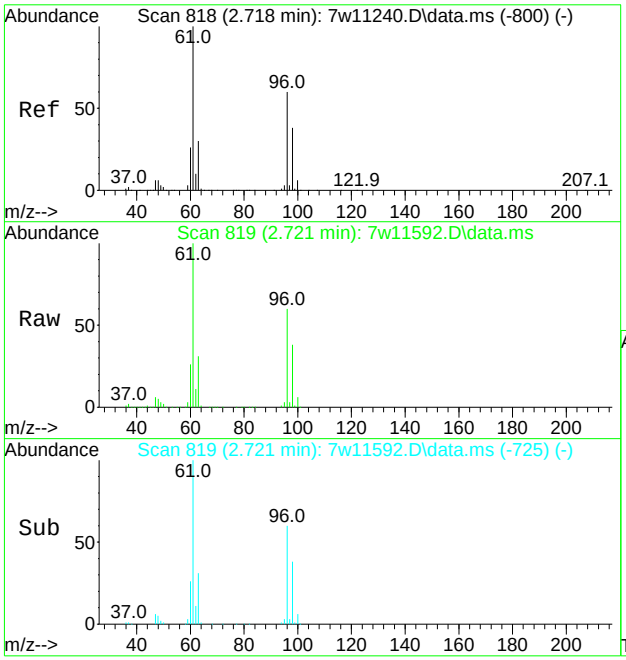


#31
METHYLENE CHLORIDE
Concen: 7.0663 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 84 Resp: 65432

Ion	Ratio	Lower	Upper
84	100		
86	65.3	46.0	85.4
49	138.3	103.9	192.9

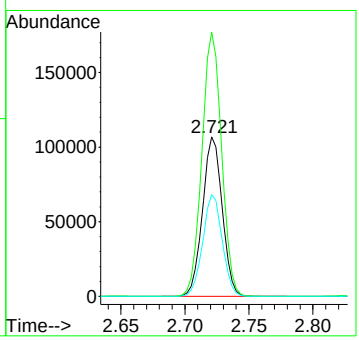


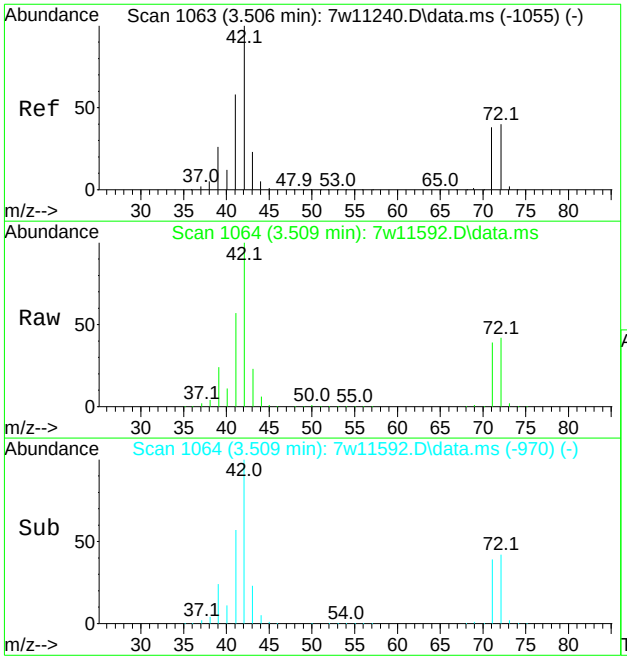


#34
TRANS-1,2-DICHLOROETHENE
Concen: 10.8176 PPBV
RT: 2.721 min Scan# 819
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 96 Resp: 114234

Ion	Ratio	Lower	Upper
96	100		
61	165.4	116.2	215.8
98	63.1	44.2	82.2

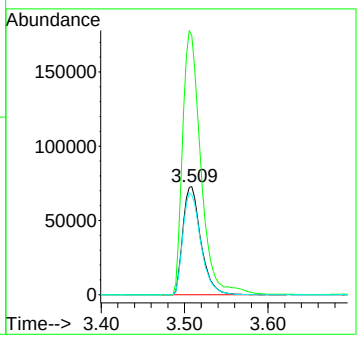


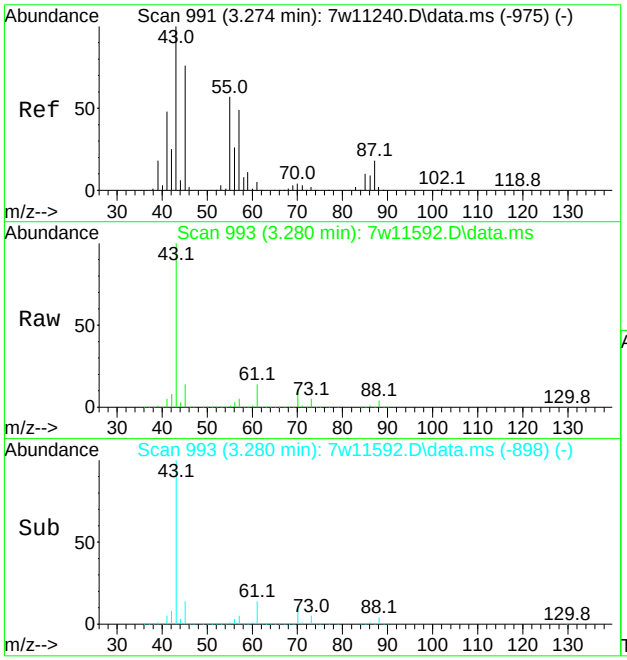


#37
TETRAHYDROFURAN
Concen: 23.2972 PPBV
RT: 3.509 min Scan# 1064
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 72 Resp: 109018

Ion	Ratio	Lower	Upper
72	100		
42	249.1	174.9	324.9
71	94.2	67.2	124.8

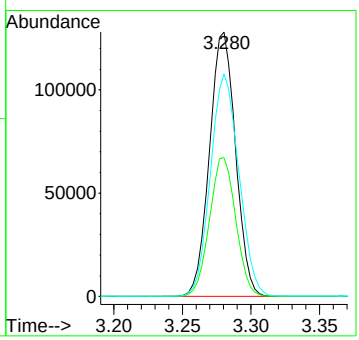


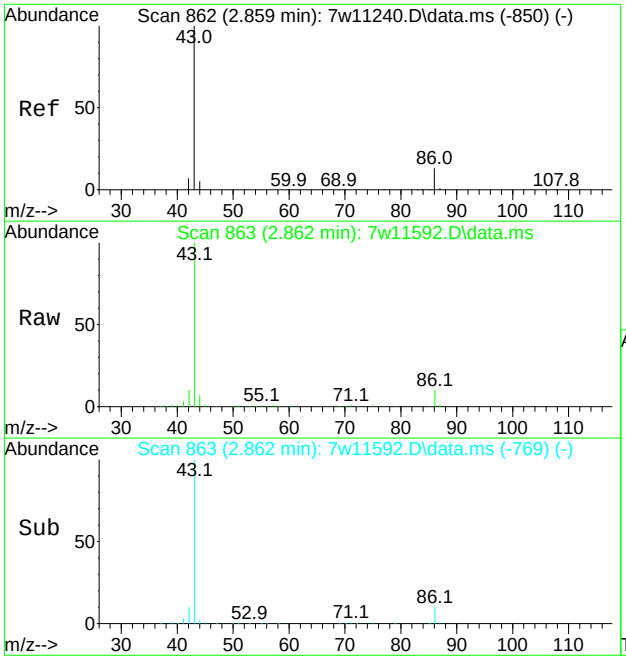


#38
HEXANE
Concen: 8.7644 PPBV
RT: 3.280 min Scan# 993
Delta R.T. 0.006 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 57 Resp: 168869

Ion	Ratio	Lower	Upper
57	100		
56	52.9	37.8	70.2
41	91.6	75.9	140.9

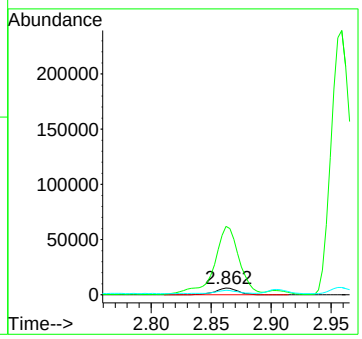


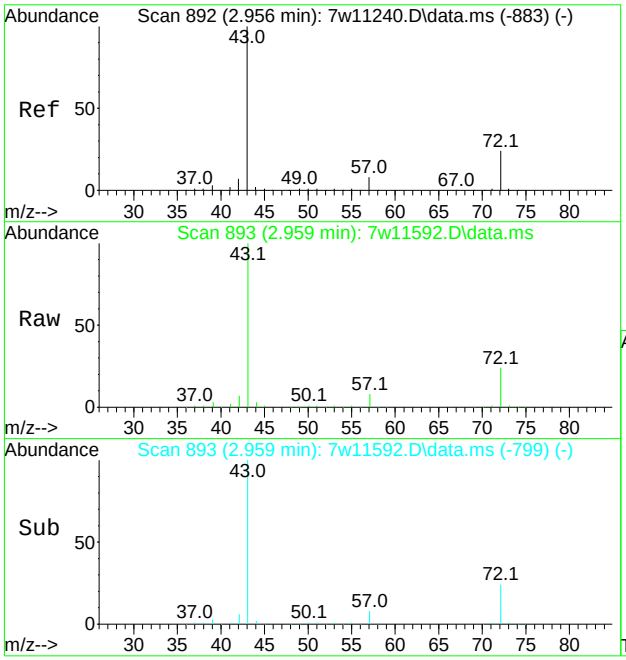


#39
VINYL ACETATE
Concen: 2.8162 PPBV
RT: 2.862 min Scan# 863
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 86 Resp: 8049

Ion	Ratio	Lower	Upper
86	100		
43	1102.9	719.4	1336.0
44	52.9	34.6	64.2

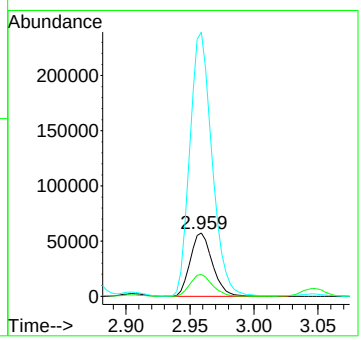


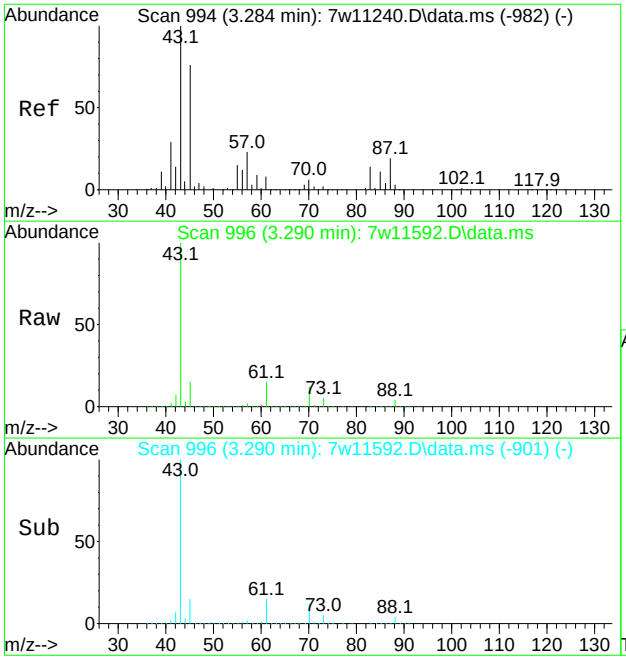


#41
METHYL ETHYL KETONE
Concen: 13.3436 PPBV
RT: 2.959 min Scan# 893
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 72 Resp: 69355

Ion	Ratio	Lower	Upper
72	100		
57	34.8	25.3	46.9
43	416.6	299.6	556.4

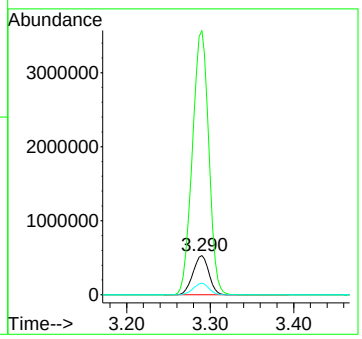


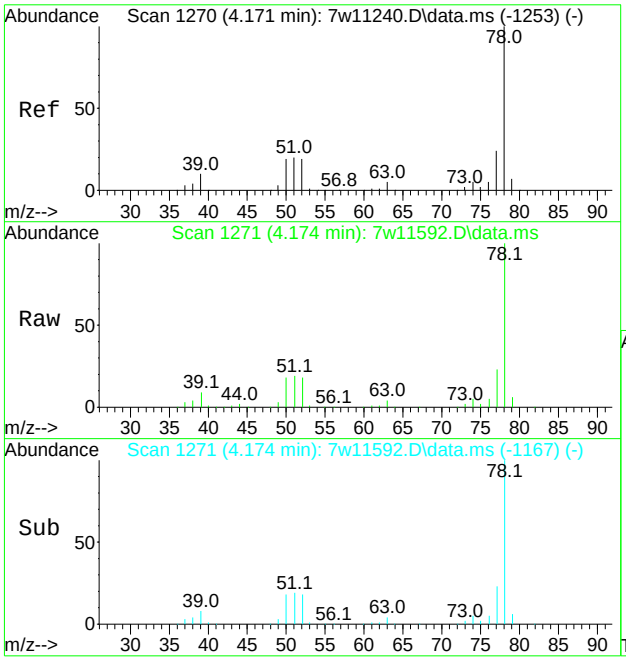


#44
ETHYL ACETATE
Concen: 190.1610 PPBV
RT: 3.290 min Scan# 996
Delta R.T. 0.006 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 61 Resp: 701999

Ion	Ratio	Lower	Upper
61	100		
43	693.5	1005.1	1866.5#
88	29.1	29.3	54.5#

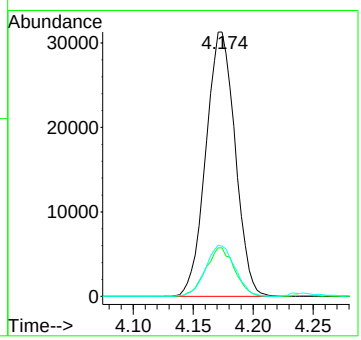


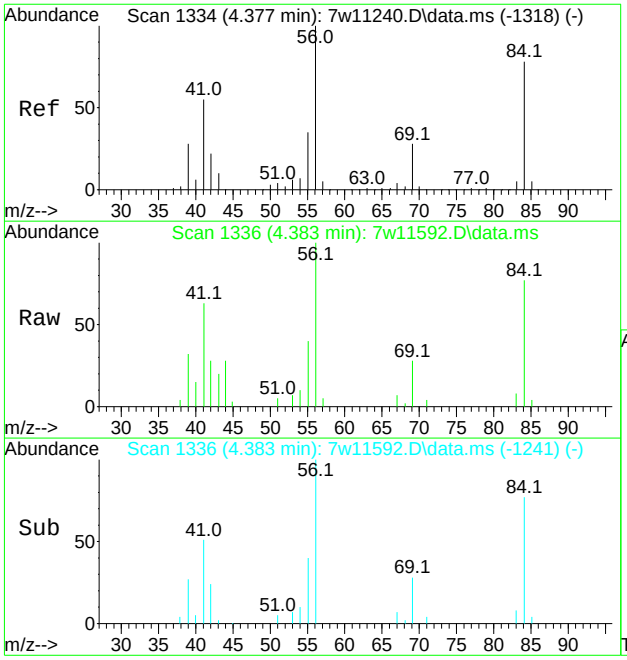


#51
BENZENE
Concen: 1.6969 PPBV
RT: 4.174 min Scan# 1271
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 78 Resp: 53018

Ion	Ratio	Lower	Upper
78	100		
52	18.3	0.0	48.9
51	19.4	0.0	50.2

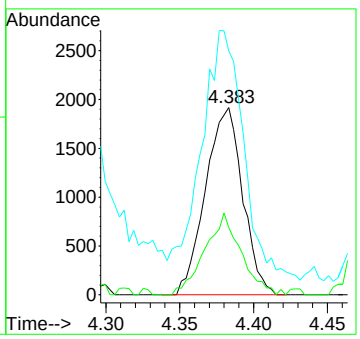


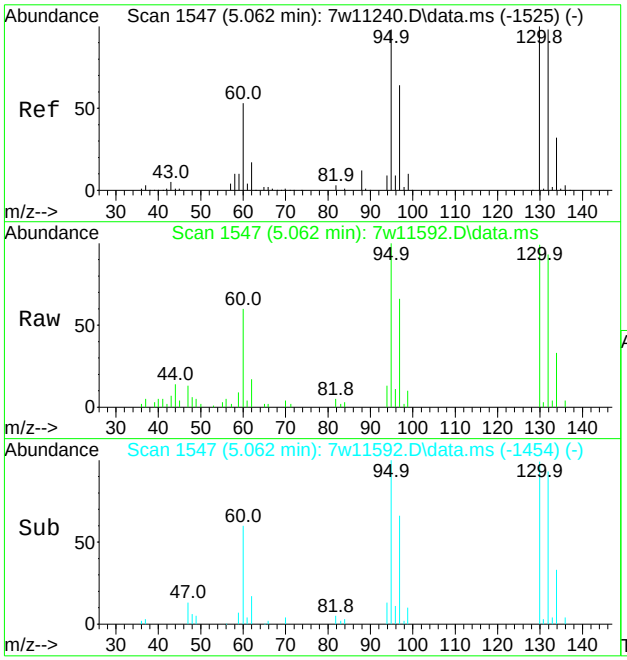


#53
CYCLOHEXANE
Concen: 0.2482 PPBV
RT: 4.383 min Scan# 1336
Delta R.T. 0.006 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 84 Resp: 3342

Ion	Ratio	Lower	Upper
84	100		
69	42.6	24.8	46.0
56	166.8	89.8	166.8

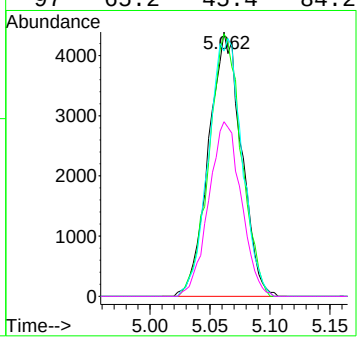


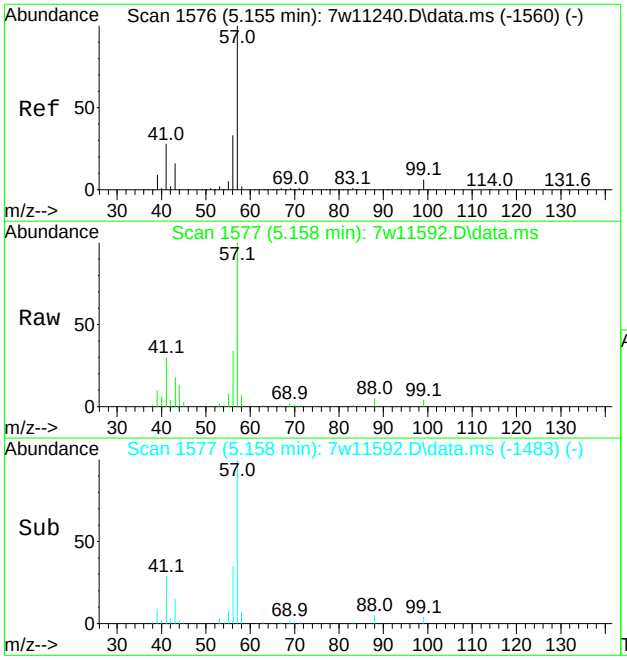


#55
TRICHLOROETHENE
Concen: 0.5766 PPBV
RT: 5.062 min Scan# 1547
Delta R.T. -0.000 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 95 Resp: 8352

Ion	Ratio	Lower	Upper
95	100		
130	97.7	72.8	135.2
132	99.2	71.9	133.5
97	65.2	45.4	84.2

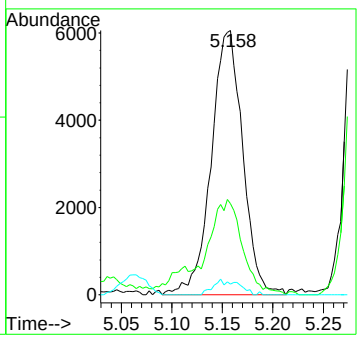


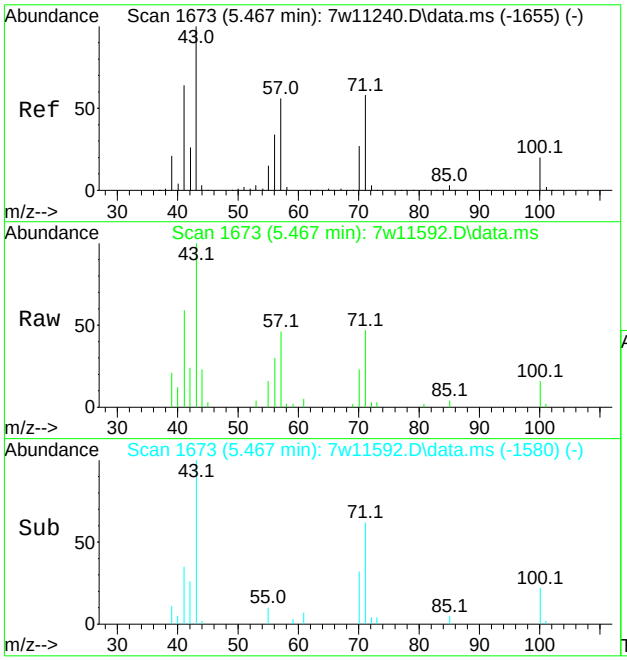


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.2392 PPBV
RT: 5.158 min Scan# 1577
Delta R.T. 0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 57 Resp: 13108

Ion	Ratio	Lower	Upper
57	100		
56	46.1	22.7	42.1#
99	4.7	3.9	7.3

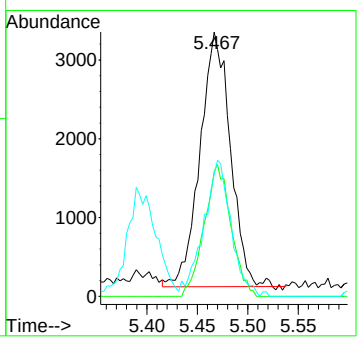


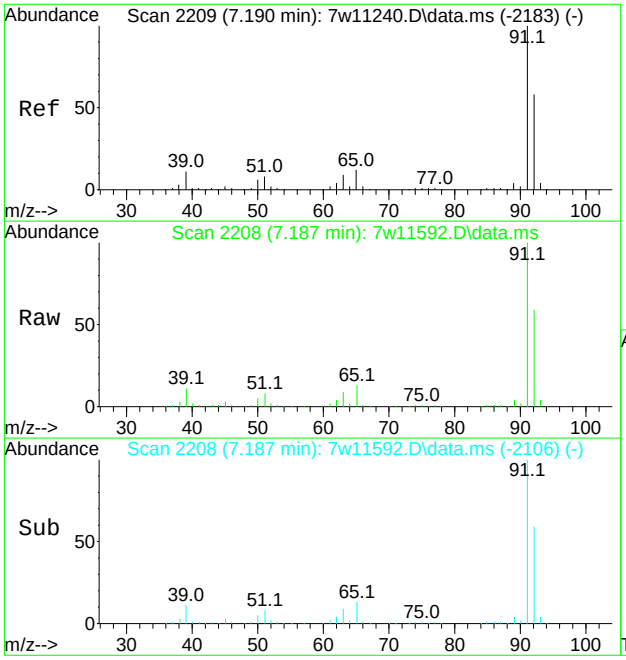


#62
HEPTANE
Concen: 0.3490 PPBV
RT: 5.467 min Scan# 1673
Delta R.T. -0.000 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 43 Resp: 6721

Ion	Ratio	Lower	Upper
43	100		
71	45.8	40.0	74.4
57	48.7	38.9	72.2

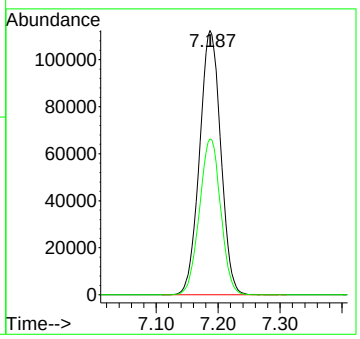


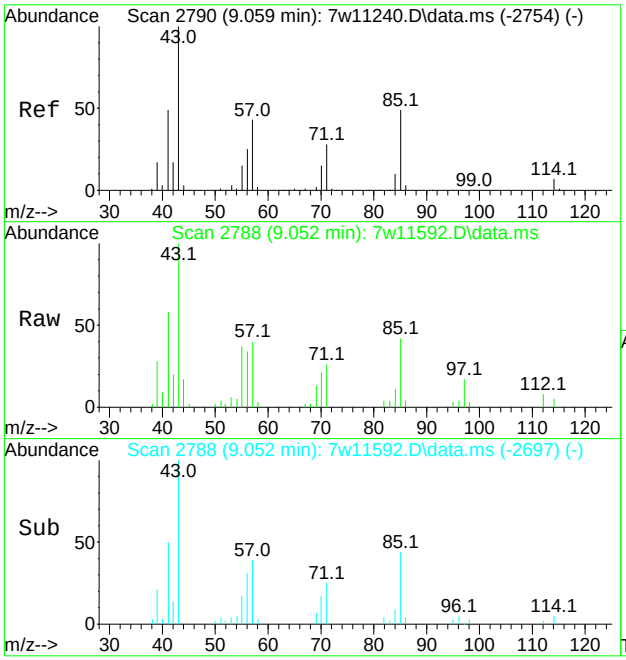


#66
TOLUENE
Concen: 6.6193 PPBV
RT: 7.187 min Scan# 2208
Delta R.T. -0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 91 Resp: 266541

Ion	Ratio	Lower	Upper
91	100		
92	59.1	29.0	89.0

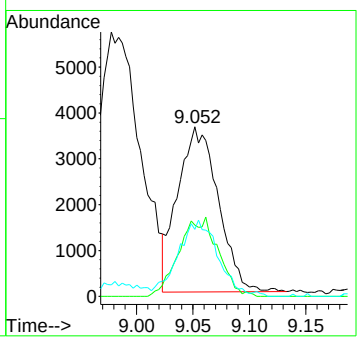


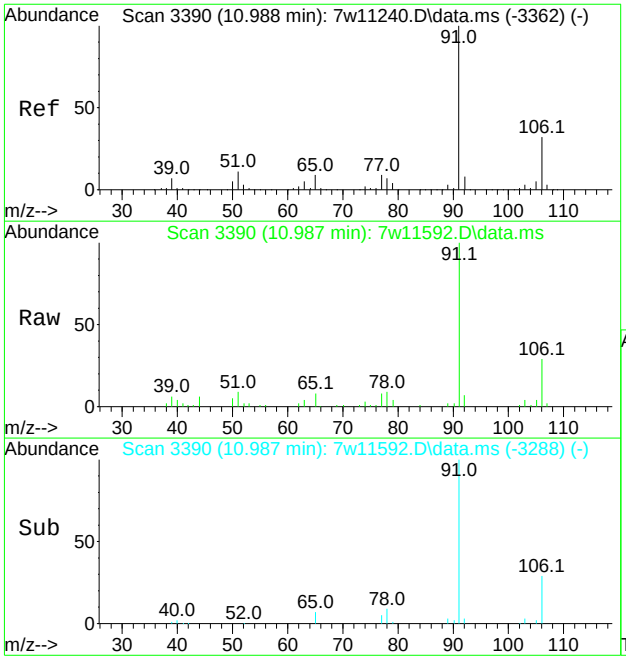


#75
OCTANE
Concen: 0.3300 PPBV
RT: 9.052 min Scan# 2788
Delta R.T. -0.007 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 43 Resp: 9003

Ion	Ratio	Lower	Upper
43	100		
85	46.2	33.9	63.0
57	46.7	30.0	55.8

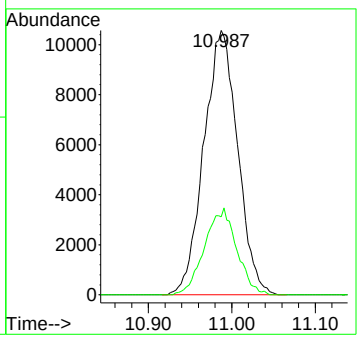


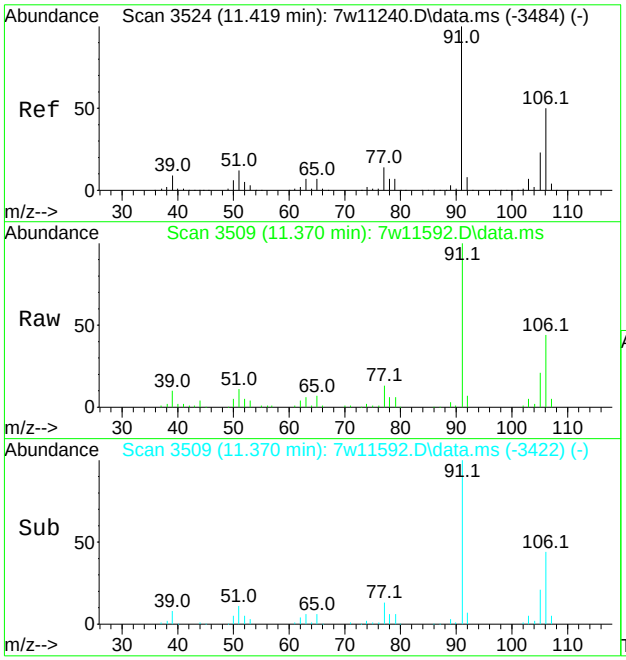


#79
ETHYLBENZENE
Concen: 0.5500 PPBV
RT: 10.987 min Scan# 3390
Delta R.T. -0.001 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 91 Resp: 29708

Ion	Ratio	Lower	Upper
91	100		
106	31.1	1.6	61.6

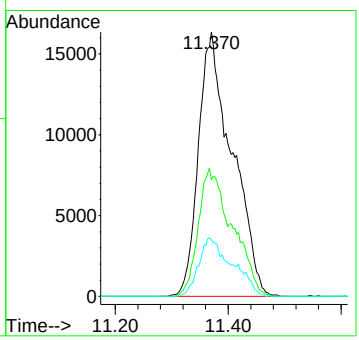


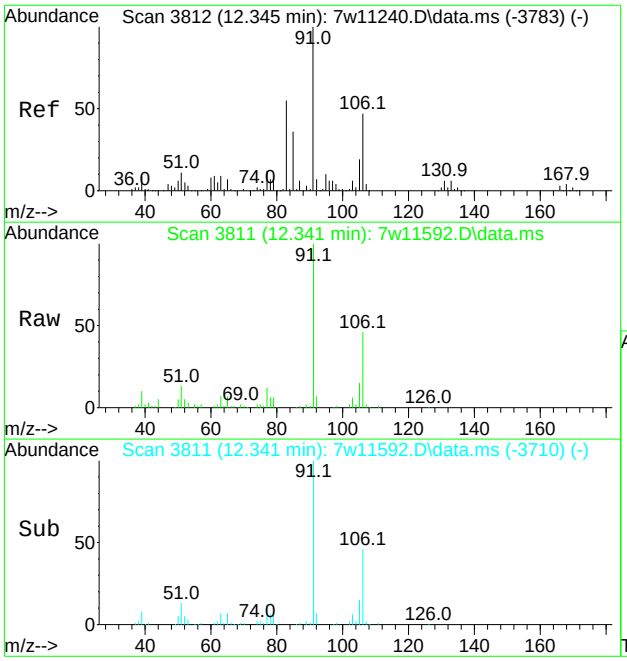


#80
M,P-XYLENE
Concen: 1.5946 PPBV
RT: 11.370 min Scan# 3509
Delta R.T. -0.049 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 91 Resp: 67523

Ion	Ratio	Lower	Upper
91	100		
106	49.0	0.0	55.5
105	22.1	0.0	41.7

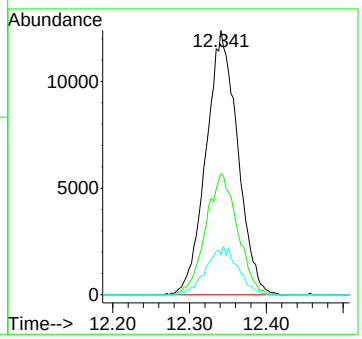


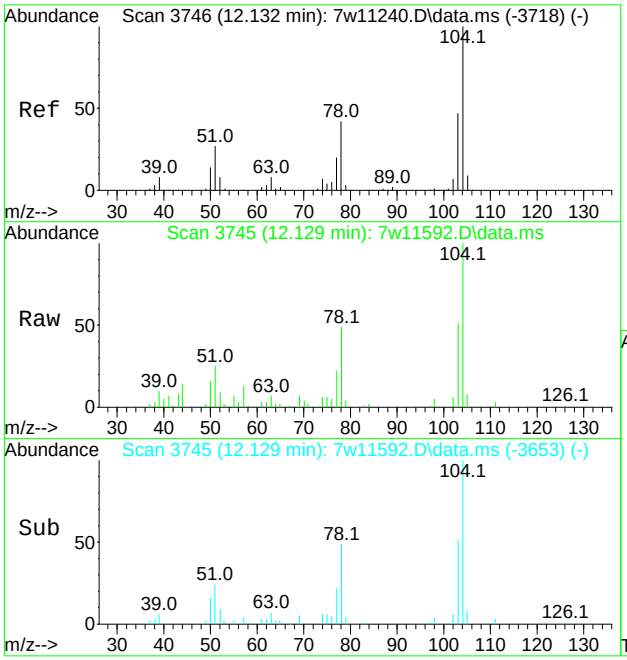


#81
O-XYLENE
Concen: 0.8325 PPBV
RT: 12.341 min Scan# 3811
Delta R.T. -0.004 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 91 Resp: 35404

Ion	Ratio	Lower	Upper
91	100		
106	45.8	32.7	60.7
105	15.1	13.2	24.6

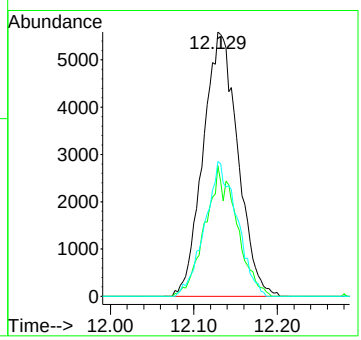


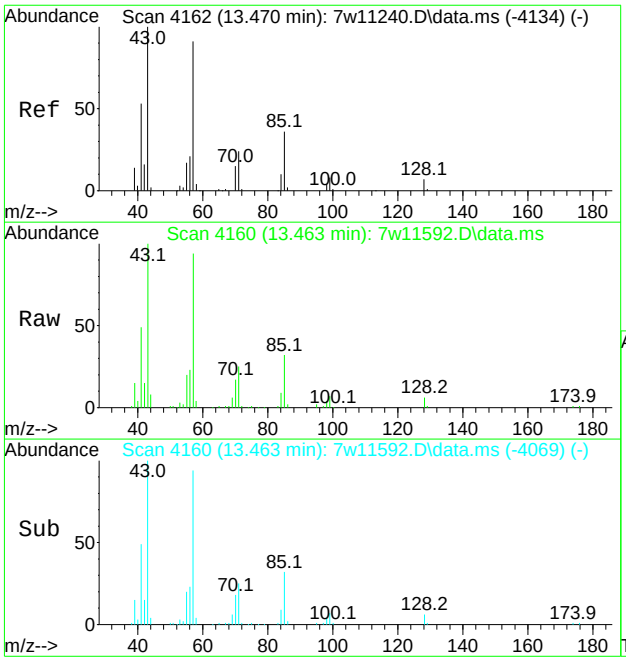


#82
STYRENE
Concen: 0.5300 PPBV
RT: 12.129 min Scan# 3745
Delta R.T. -0.003 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion:104 Resp: 16143

Ion	Ratio	Lower	Upper
104	100		
78	45.0	30.0	55.6
103	47.3	33.0	61.4

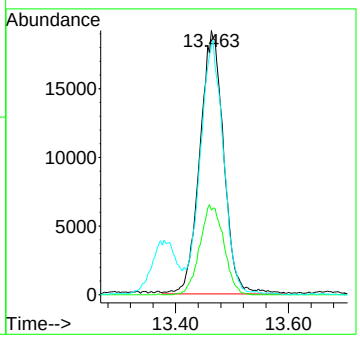


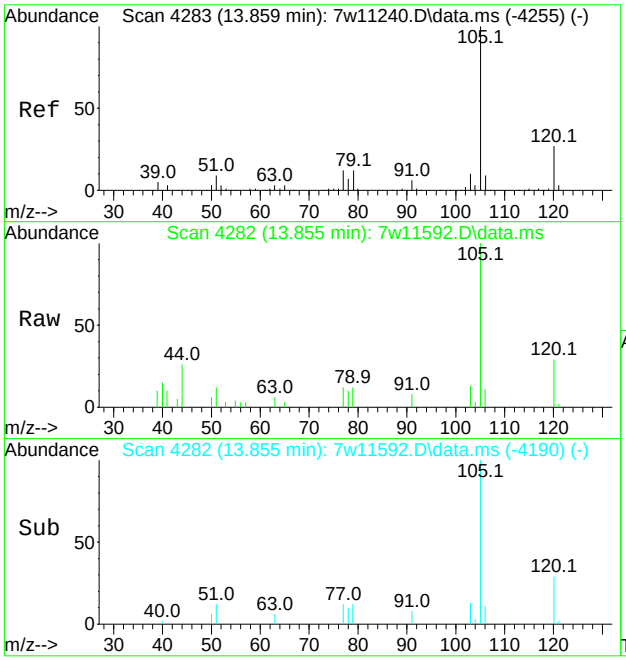


#83
NONANE
Concen: 1.9165 PPBV
RT: 13.463 min Scan# 4160
Delta R.T. -0.007 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion: 43 Resp: 55984

Ion	Ratio	Lower	Upper
43	100		
85	34.4	25.0	46.4
57	96.0	65.7	122.1

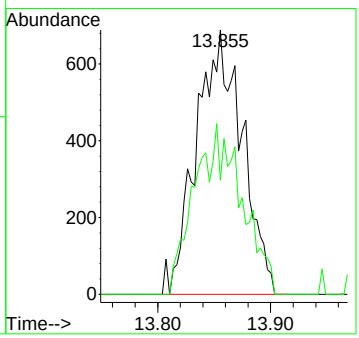


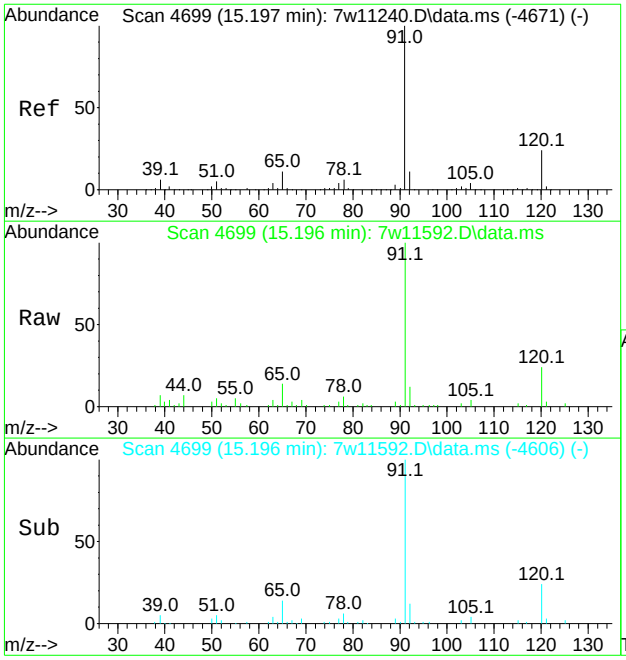


#88
ISOPROPYLBENZENE
Concen: 0.1191 PPBV
RT: 13.855 min Scan# 4282
Delta R.T. -0.004 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion:120 Resp: 1935

Ion	Ratio	Lower	Upper
120	100		
77	36.3	39.9	74.1#

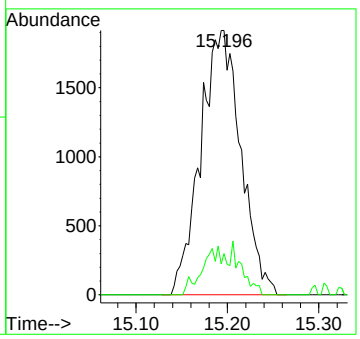


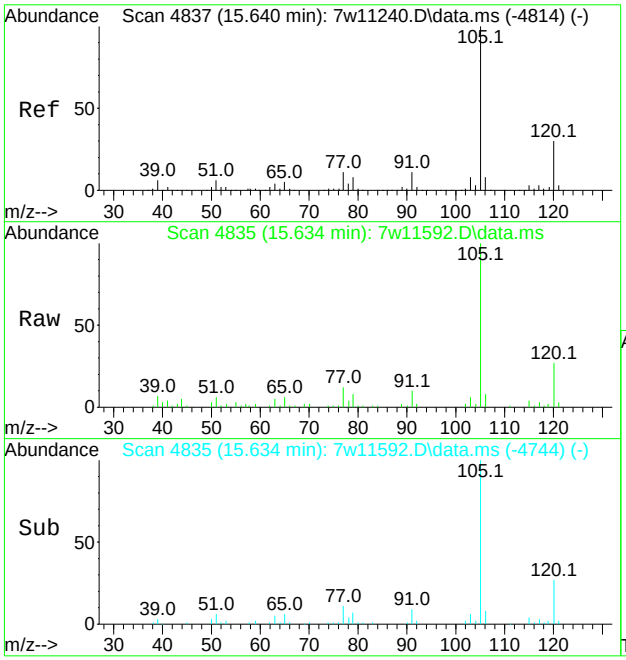


#91
N-PROPYLBENZENE
Concen: 0.3562 PPBV
RT: 15.196 min Scan# 4699
Delta R.T. -0.001 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion:120 Resp: 5866

Ion	Ratio	Lower	Upper
120	100		
105	10.1	11.3	20.9#

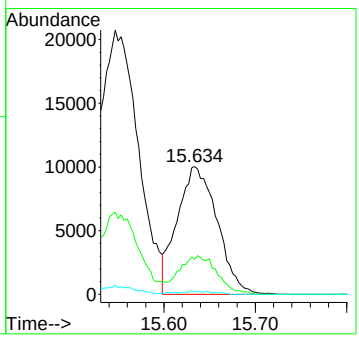


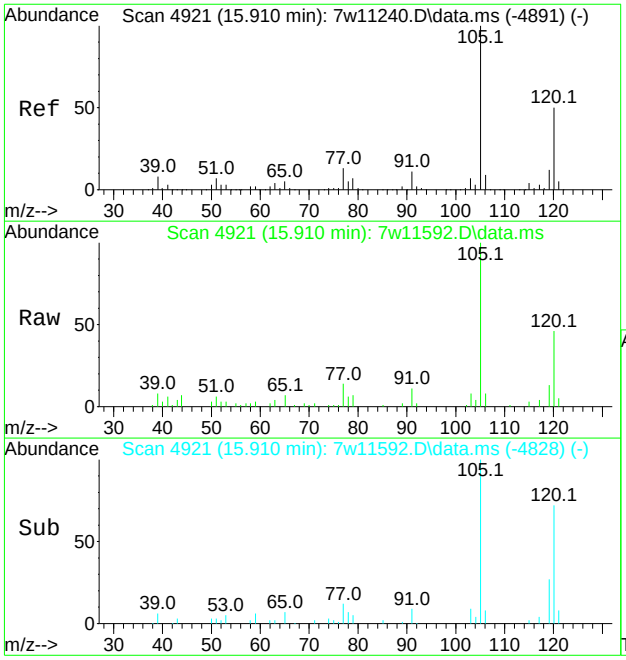


#92
4-ETHYLTOLUENE
Concen: 0.5162 PPBV
RT: 15.634 min Scan# 4835
Delta R.T. -0.006 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion:105 Resp: 30489

Ion	Ratio	Lower	Upper
105	100		
120	28.0	21.1	39.1
119	1.8	1.6	3.0

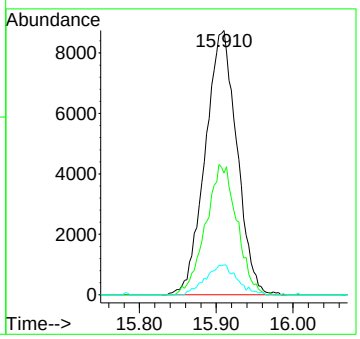


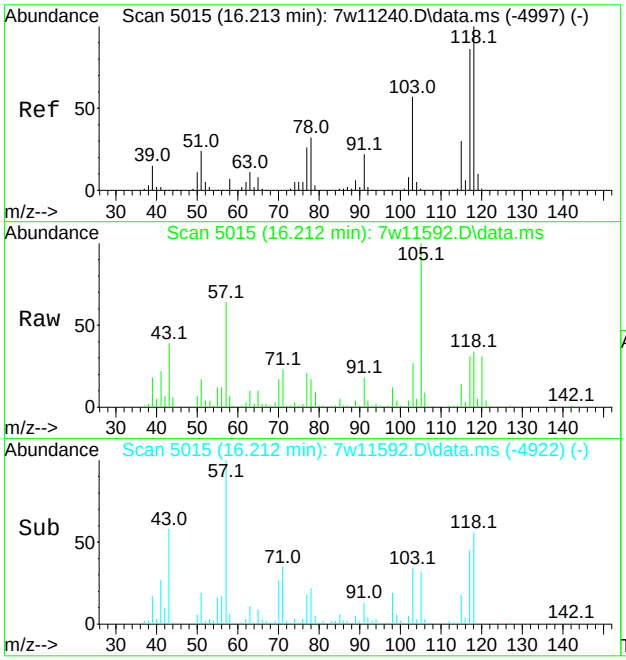


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.5040 PPBV
RT: 15.910 min Scan# 4921
Delta R.T. 0.000 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion:105 Resp: 25050

Ion	Ratio	Lower	Upper
105	100		
120	48.5	34.9	64.7
91	11.2	7.5	13.9

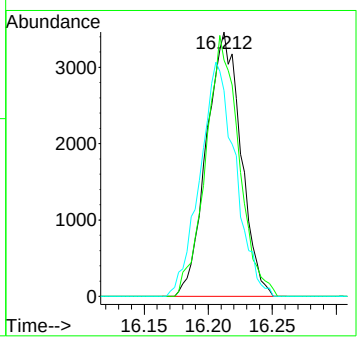


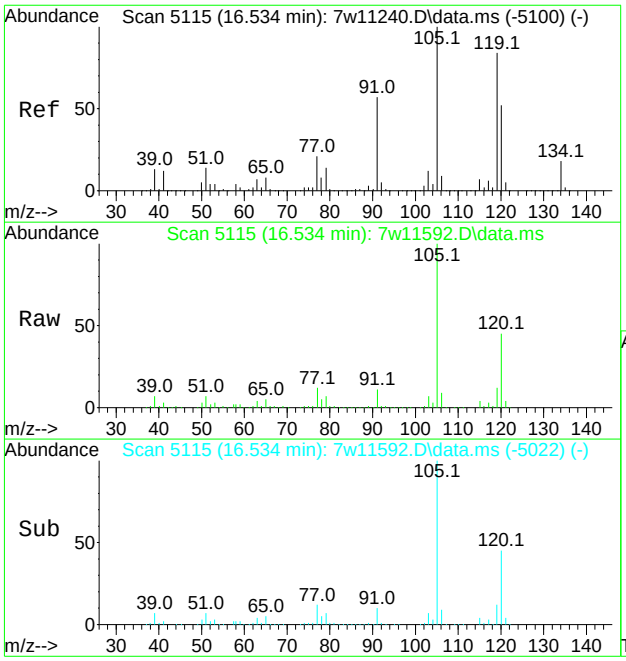


#94
ALPHA-METHYLSTYRENE
Concen: 0.2551 PPBV
RT: 16.212 min Scan# 5015
Delta R.T. -0.001 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion:118 Resp: 6475

Ion	Ratio	Lower	Upper
118	100		
117	95.0	59.6	110.8
103	90.9	39.3	72.9#

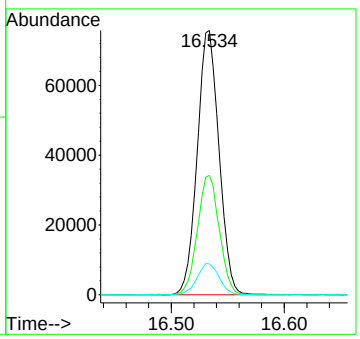


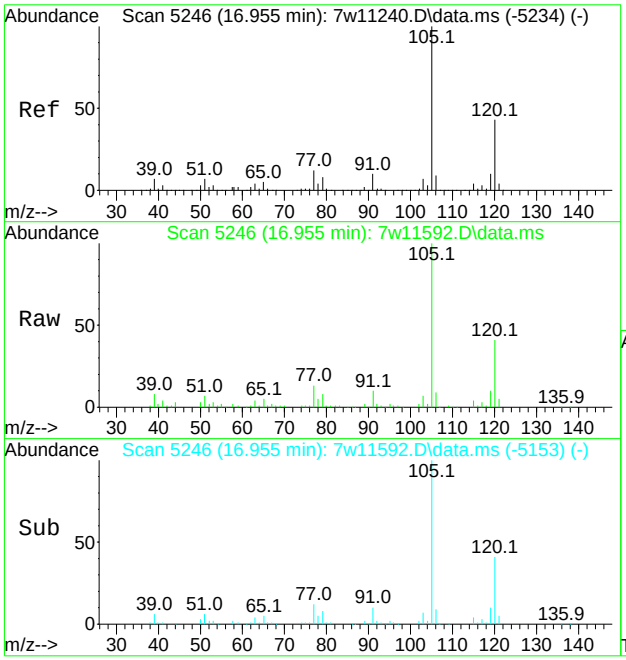


#96
1,2,4-TRIMETHYLBENZENE
Concen: 2.0176 PPBV
RT: 16.534 min Scan# 5115
Delta R.T. -0.000 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion:105 Resp: 101156

Ion	Ratio	Lower	Upper
105	100		
120	45.4	38.8	72.0
119	12.1	74.3	137.9#

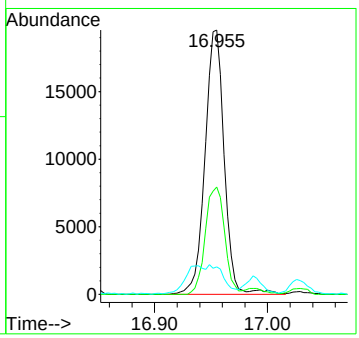


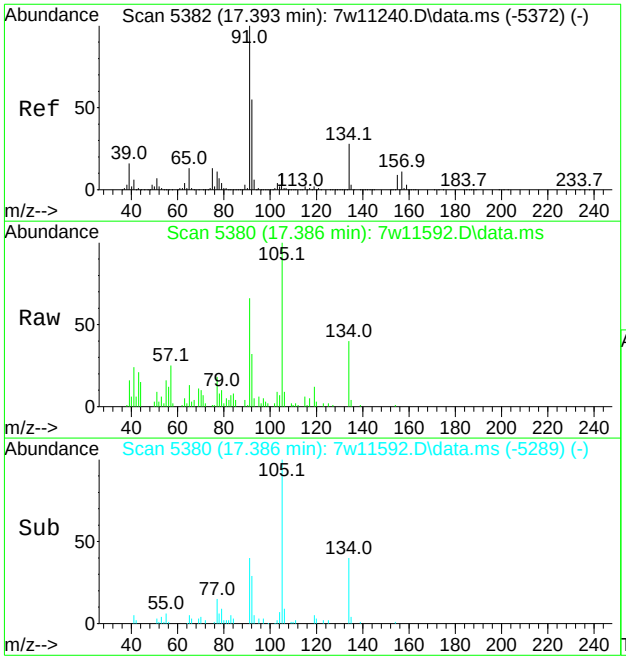


#102
1,2,3-TRIMETHYLBENZENE
Concen: 0.4588 PPBV
RT: 16.955 min Scan# 5246
Delta R.T. 0.000 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion:105 Resp: 23042

Ion	Ratio	Lower	Upper
105	100		
120	43.3	30.2	56.2
91	20.0	7.1	13.3#

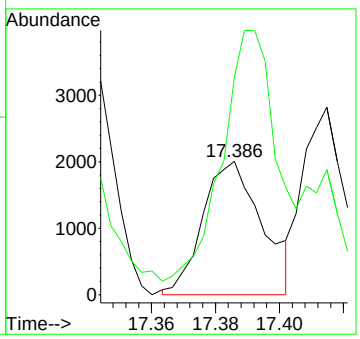


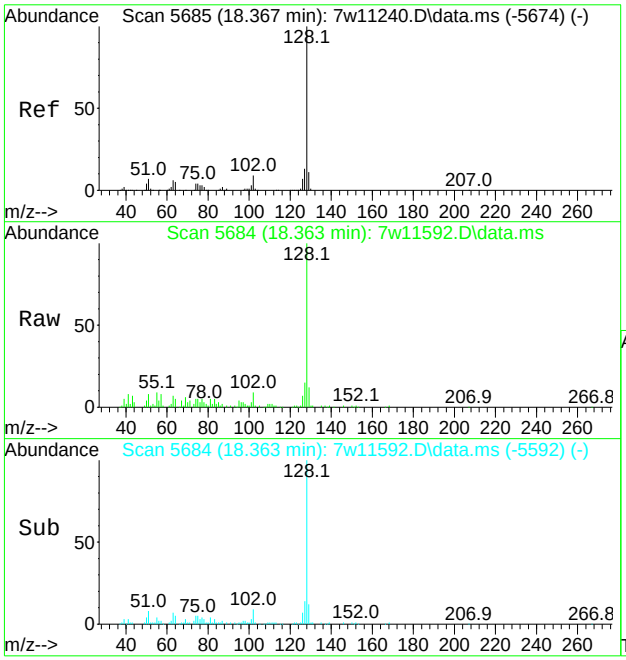


#104
N-BUTYLBENZENE
Concen: 0.1606 PPBV
RT: 17.386 min Scan# 5380
Delta R.T. -0.007 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion:134 Resp: 2579

Ion	Ratio	Lower	Upper
134	100		
91	233.4	253.1	470.0#

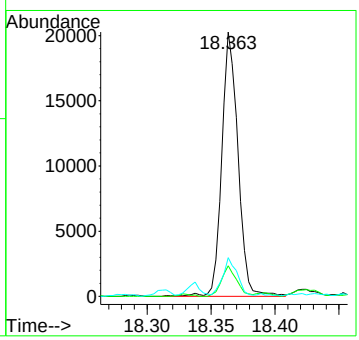




#108
NAPHTHALENE
Concen: 0.2922 PPBV
RT: 18.363 min Scan# 5684
Delta R.T. -0.004 min
Lab File: 7w11592.D
Acq: 8 Jan 2025 6:52 pm

Tgt Ion:128 Resp: 17901

Ion	Ratio	Lower	Upper
128	100		
129	12.0	7.6	14.2
127	12.5	8.9	16.5



Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11615.D
Acq On : 9 Jan 2025 11:26 am
Operator : benk
Sample : je3522-3 Inst : MS7W
Misc : MS88628,v7w416,100,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 10 04:07:06 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

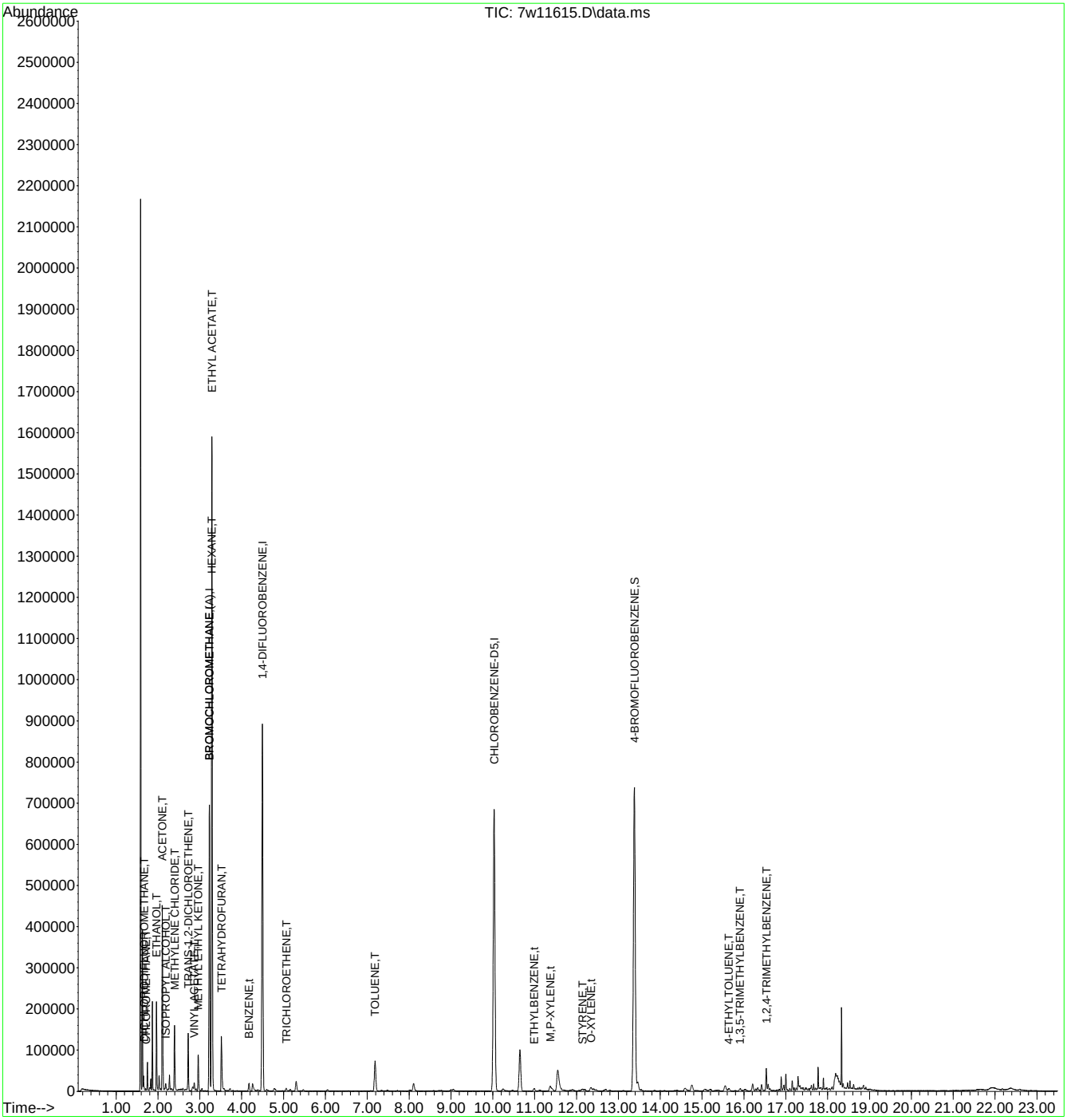
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	138646	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	669910	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.033	117	632694	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	138646	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	459976	10.02	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.670	85	3895	0.1127	PPBV #	89
10) CHLOROMETHANE	1.711	52	466	0.1299	PPBV	80
22) ISOPROPYL ALCOHOL	2.184	45	12441	0.4844	PPBV	92
23) ACETONE	2.104	58	89106	11.0616	PPBV	90
28) ETHANOL	1.962	45	124427	17.6964	PPBV	100
31) METHYLENE CHLORIDE	2.399	84	17959	1.6365	PPBV	90
34) TRANS-1,2-DICHLOROETHENE	2.721	96	31337	2.5040	PPBV	93
37) TETRAHYDROFURAN	3.515	72	28068	5.0613	PPBV	91
38) HEXANE	3.280	57	43441	1.9025	PPBV	89
39) VINYL ACETATE	2.866	86	1860	0.5491	PPBV	95
41) METHYL ETHYL KETONE	2.962	72	17613	2.8594	PPBV	86
44) ETHYL ACETATE	3.287	61	176345	40.3078	PPBV #	1
51) BENZENE	4.171	78	13968	0.3772	PPBV	98
55) TRICHLOROETHENE	5.065	95	2358	0.1385	PPBV	95
66) TOLUENE	7.187	91	71132	1.5027	PPBV	100
79) ETHYLBENZENE	10.987	91	7724	0.1239	PPBV	100
80) M,P-XYLENE	11.370	91	17748	0.3633	PPBV	60
81) O-XYLENE	12.348	91	9455	0.1927	PPBV	96
82) STYRENE	12.142	104	4019	0.1144	PPBV	100
92) 4-ETHYLTOLUENE	15.640	105	8377	0.1229	PPBV	97
93) 1,3,5-TRIMETHYLBENZENE	15.907	105	6316	0.1101	PPBV	97
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	26025	0.4499	PPBV #	36

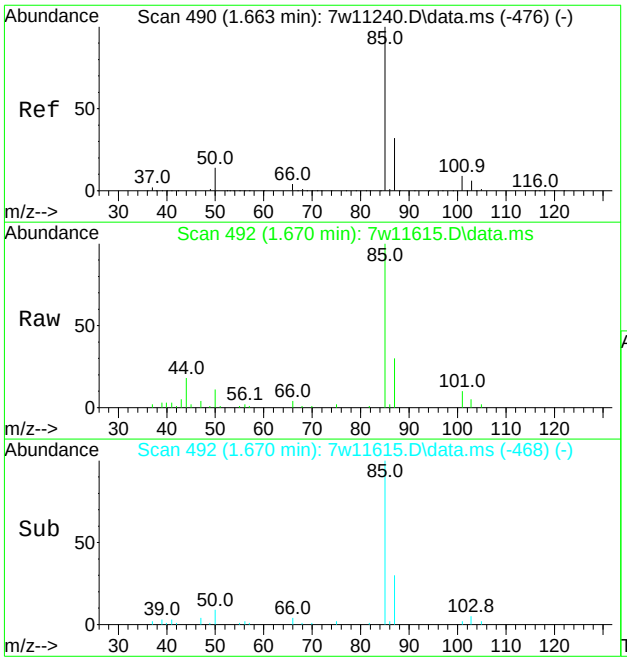
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11615.D
Acq On : 9 Jan 2025 11:26 am
Operator : benk
Sample : je3522-3 Inst : MS7W
Misc : MS88628,v7w416,100,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 10 04:07:06 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

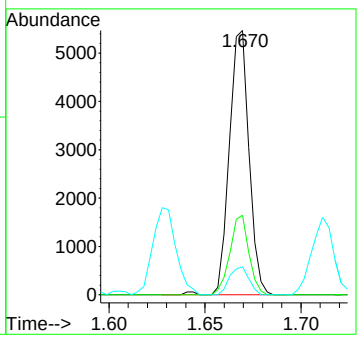


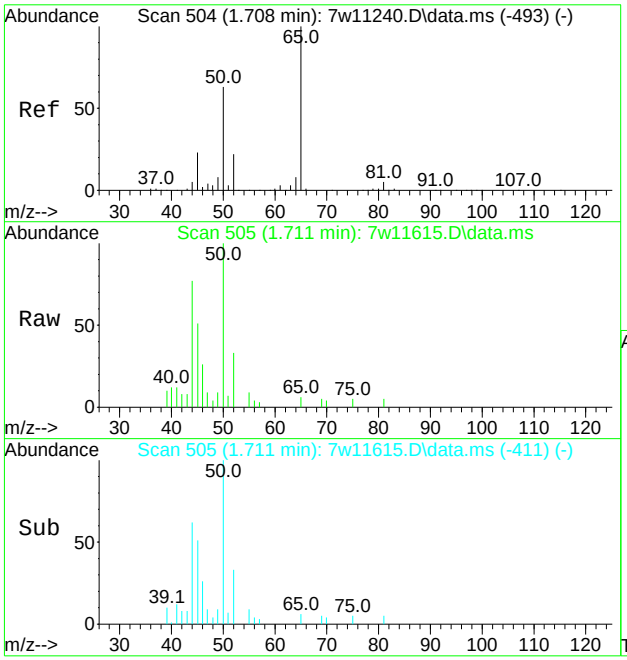


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1127 PPBV
RT: 1.670 min Scan# 492
Delta R.T. 0.007 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 85 Resp: 3895

Ion	Ratio	Lower	Upper
85	100		
87	28.9	22.5	41.7
50	10.4	13.8	25.6#

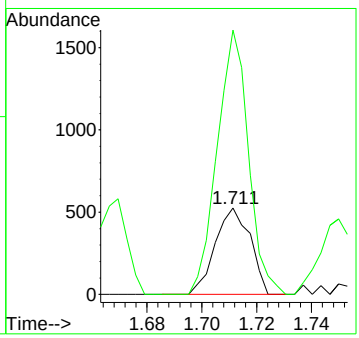


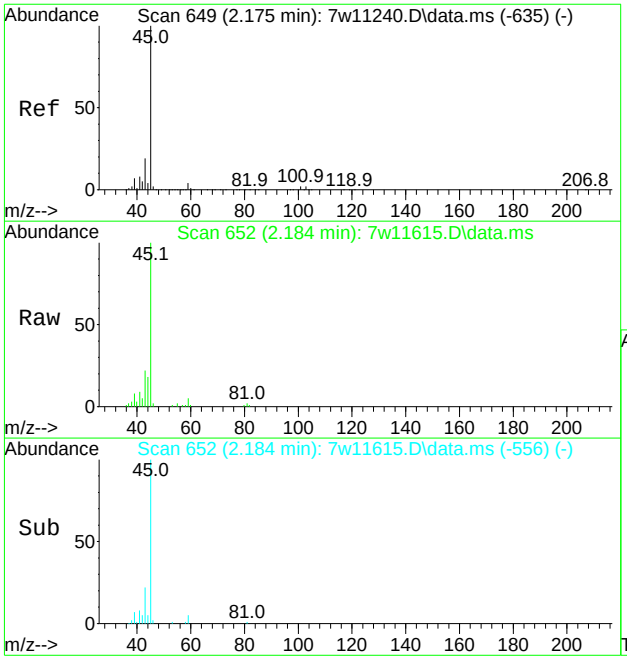


#10
CHLOROMETHANE
Concen: 0.1299 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 52 Resp: 466

Ion	Ratio	Lower	Upper
52	100		
50	273.6	220.1	408.8

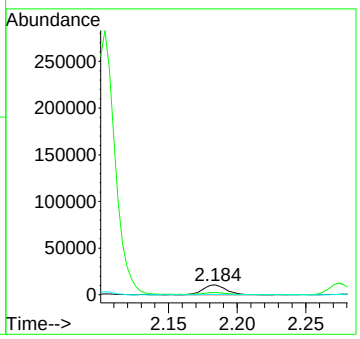


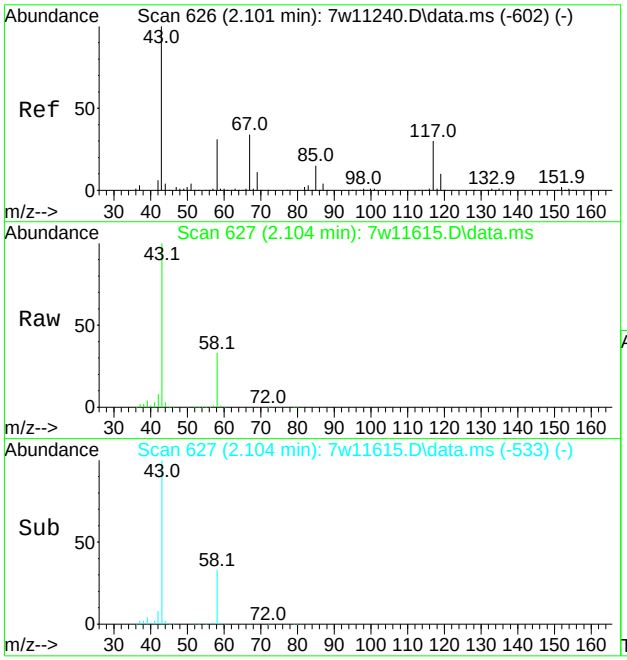


#22
ISOPROPYL ALCOHOL
Concen: 0.4844 PPBV
RT: 2.184 min Scan# 652
Delta R.T. 0.009 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 45 Resp: 12441

Ion	Ratio	Lower	Upper
45	100		
43	24.0	13.9	25.9
59	4.4	2.8	5.2

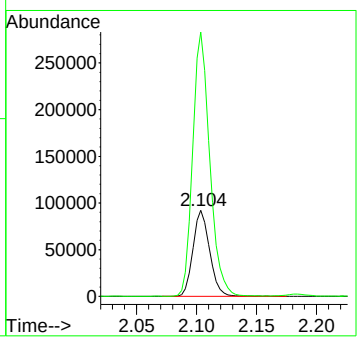


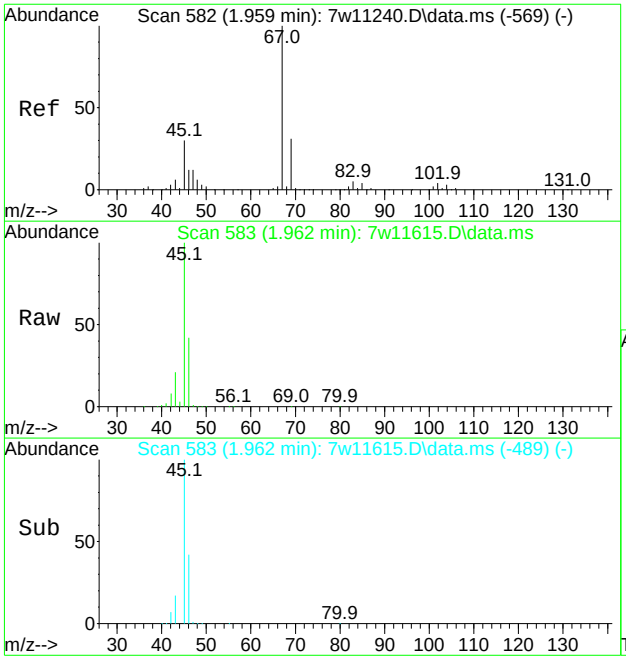


#23
ACETONE
Concen: 11.0616 PPBV
RT: 2.104 min Scan# 627
Delta R.T. 0.003 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 58 Resp: 89106

Ion	Ratio	Lower	Upper
58	100		
43	314.3	234.4	435.2

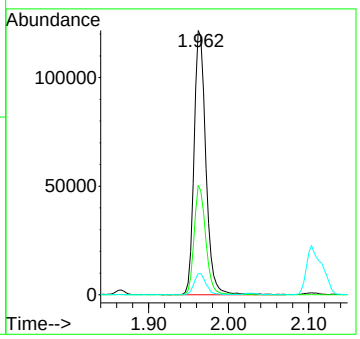


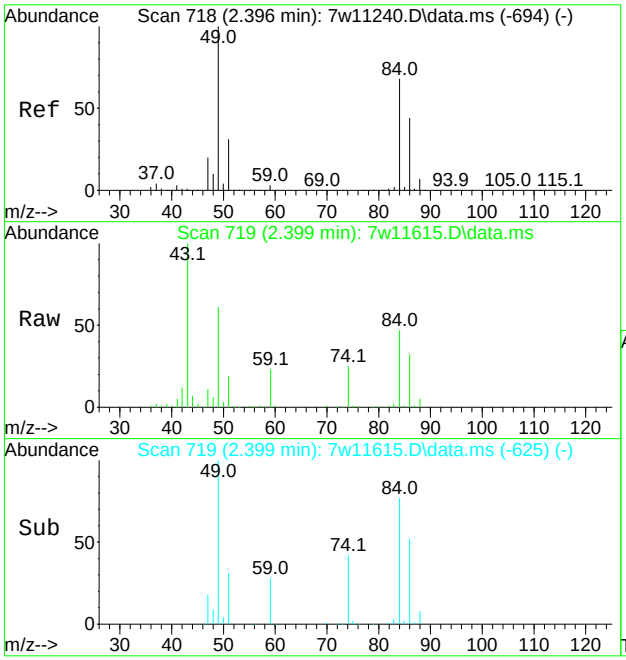


#28
ETHANOL
Concen: 17.6964 PPBV
RT: 1.962 min Scan# 583
Delta R.T. 0.003 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 45 Resp: 124427

Ion	Ratio	Lower	Upper
45	100		
46	40.8	28.6	53.0
42	8.4	6.3	11.7

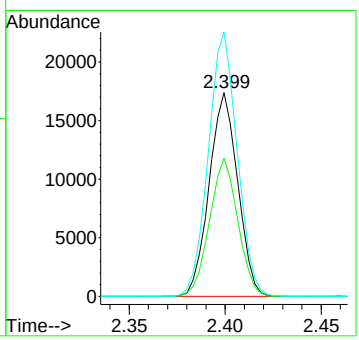


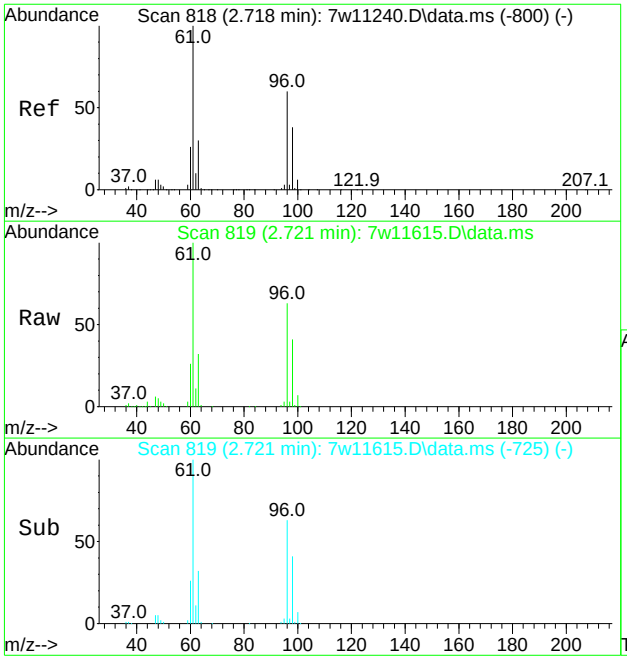


#31
METHYLENE CHLORIDE
Concen: 1.6365 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 84 Resp: 17959

Ion	Ratio	Lower	Upper
84	100		
86	67.1	46.0	85.4
49	131.6	103.9	192.9

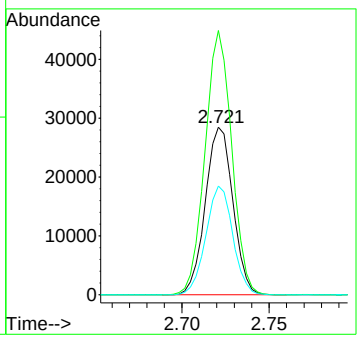


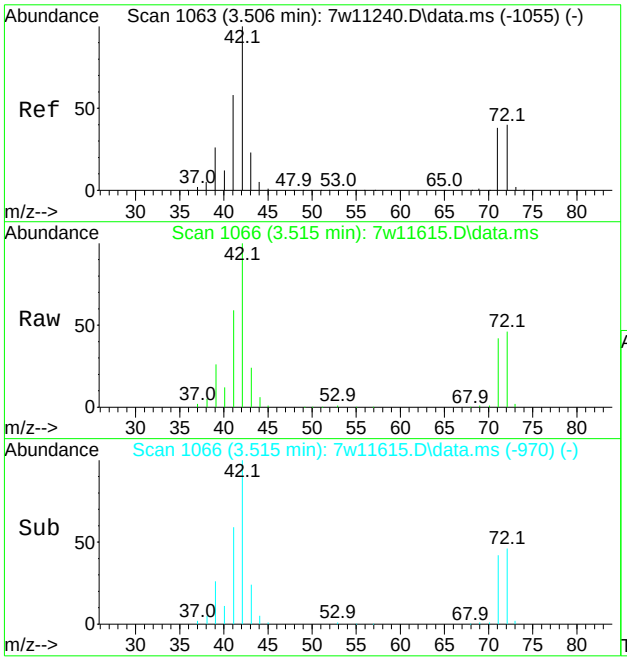


#34
TRANS-1,2-DICHLOROETHENE
Concen: 2.5040 PPBV
RT: 2.721 min Scan# 819
Delta R.T. 0.003 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 96 Resp: 31337

Ion	Ratio	Lower	Upper
96	100		
61	152.4	116.2	215.8
98	63.2	44.2	82.2

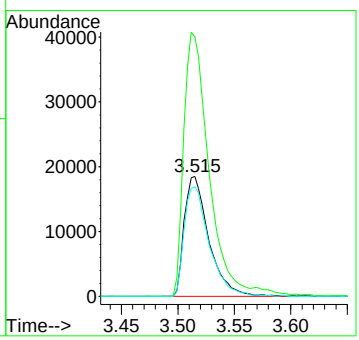


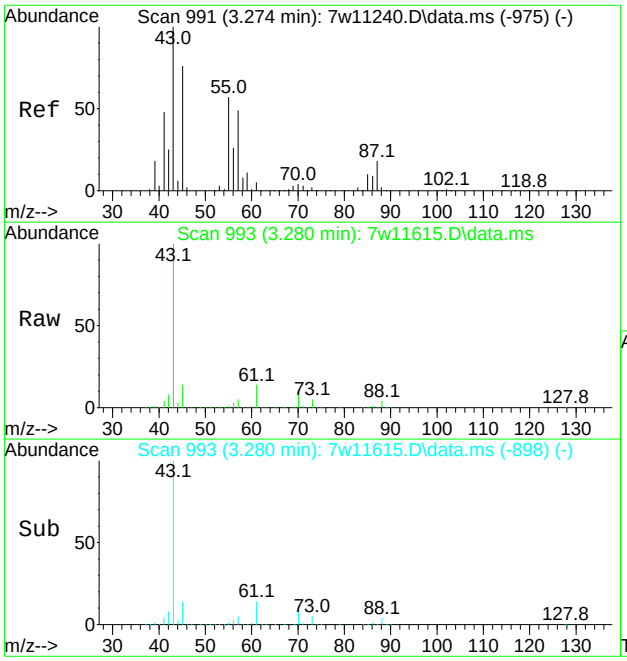


#37
TETRAHYDROFURAN
Concen: 5.0613 PPBV
RT: 3.515 min Scan# 1066
Delta R.T. 0.009 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 72 Resp: 28068

Ion	Ratio	Lower	Upper
72	100		
42	229.2	174.9	324.9
71	93.2	67.2	124.8

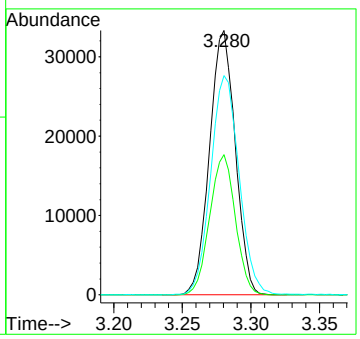


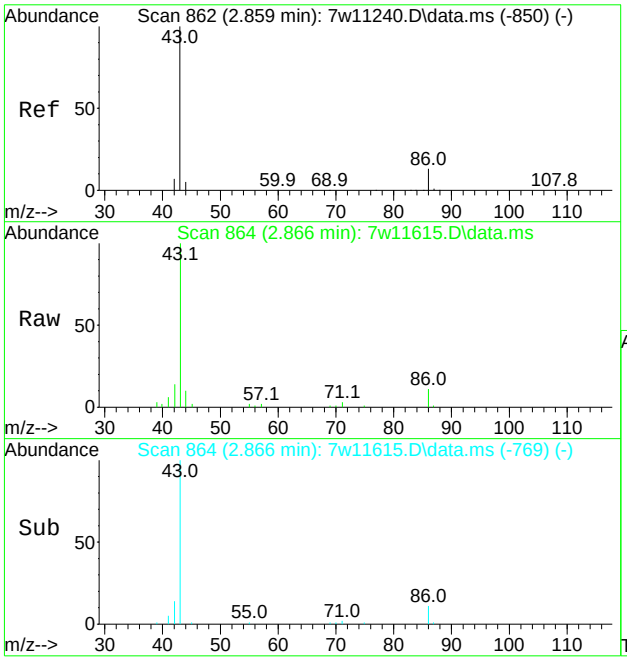


#38
HEXANE
Concen: 1.9025 PPBV
RT: 3.280 min Scan# 993
Delta R.T. 0.006 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 57 Resp: 43441

Ion	Ratio	Lower	Upper
57	100		
56	52.7	37.8	70.2
41	91.7	75.9	140.9

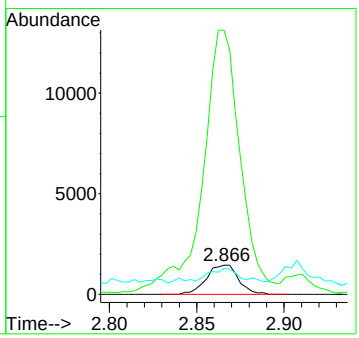


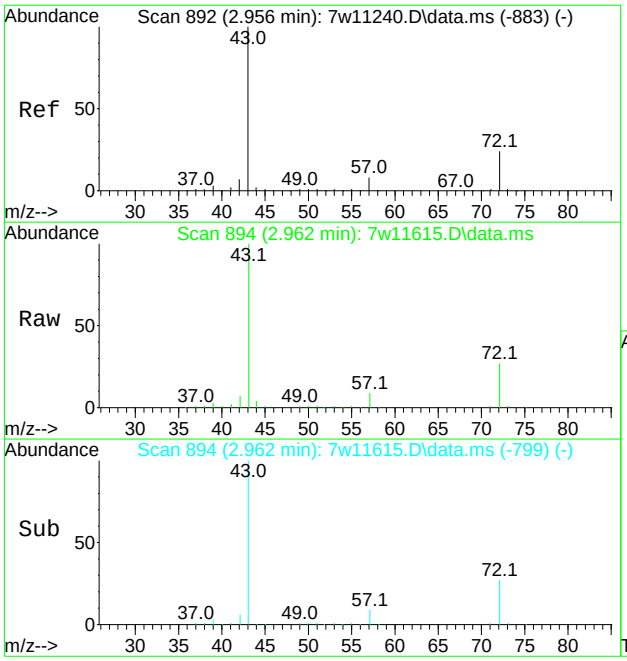


#39
VINYL ACETATE
Concen: 0.5491 PPBV
RT: 2.866 min Scan# 864
Delta R.T. 0.007 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 86 Resp: 1860

Ion	Ratio	Lower	Upper
86	100		
43	1046.6	719.4	1336.0
44	41.1	34.6	64.2

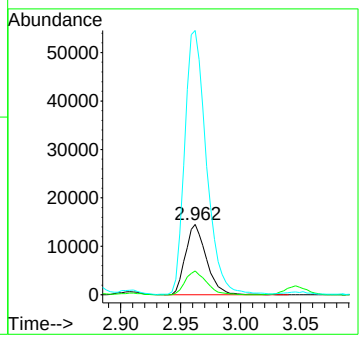


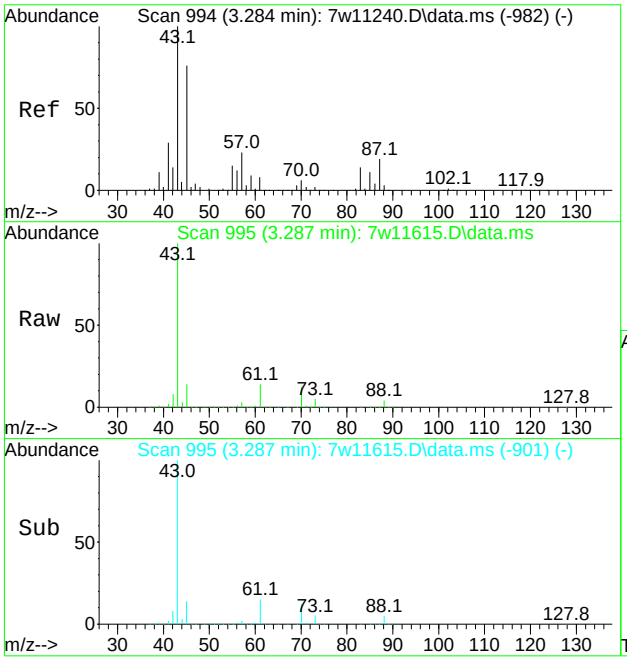


#41
METHYL ETHYL KETONE
Concen: 2.8594 PPBV
RT: 2.962 min Scan# 894
Delta R.T. 0.006 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 72 Resp: 17613

Ion	Ratio	Lower	Upper
72	100		
57	34.3	25.3	46.9
43	390.4	299.6	556.4

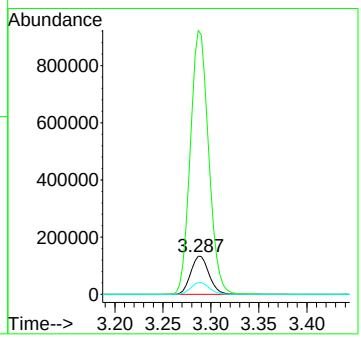


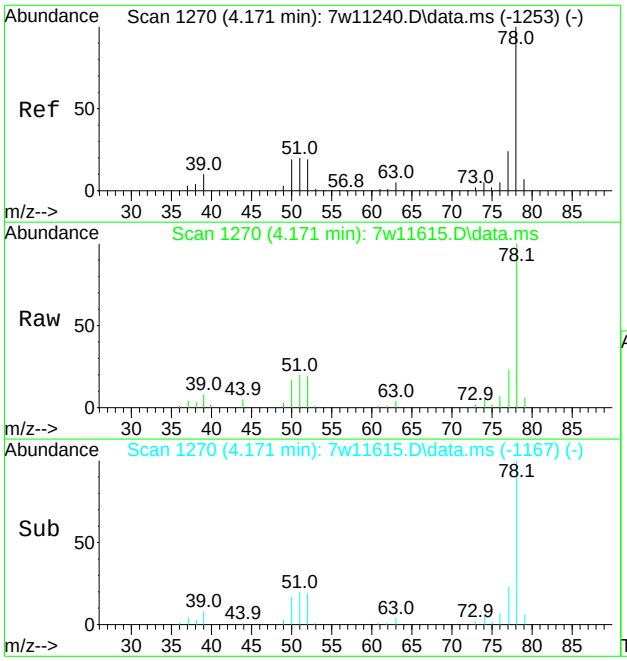


#44
ETHYL ACETATE
Concen: 40.3078 PPBV
RT: 3.287 min Scan# 995
Delta R.T. 0.003 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 61 Resp: 176345

Ion	Ratio	Lower	Upper
61	100		
43	695.2	1005.1	1866.5#
88	31.3	29.3	54.5

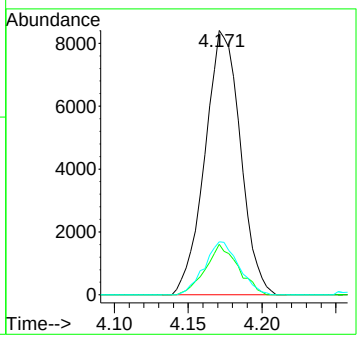


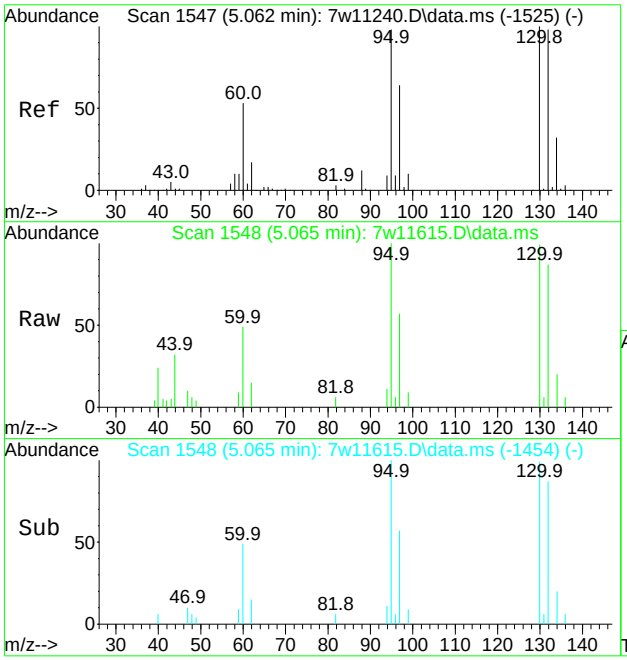


#51
BENZENE
Concen: 0.3772 PPBV
RT: 4.171 min Scan# 1270
Delta R.T. 0.000 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 78 Resp: 13968

Ion	Ratio	Lower	Upper
78	100		
52	17.6	0.0	48.9
51	19.5	0.0	50.2

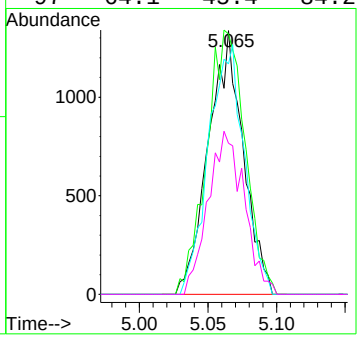


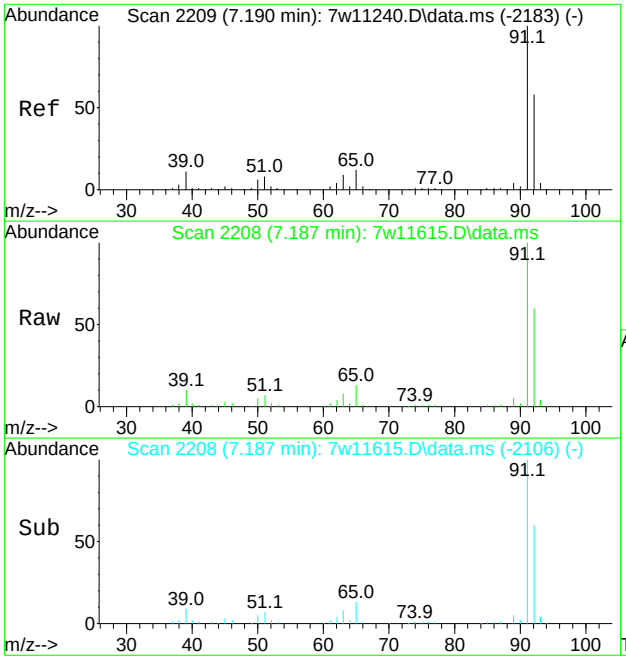


#55
TRICHLOROETHENE
Concen: 0.1385 PPBV
RT: 5.065 min Scan# 1548
Delta R.T. 0.003 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 95 Resp: 2358

Ion	Ratio	Lower	Upper
95	100		
130	110.9	72.8	135.2
132	97.3	71.9	133.5
97	64.1	45.4	84.2

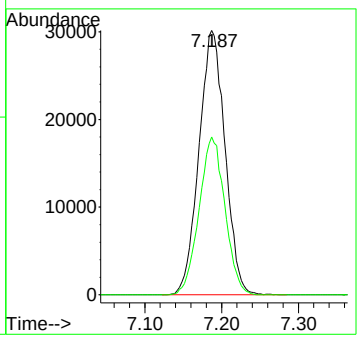


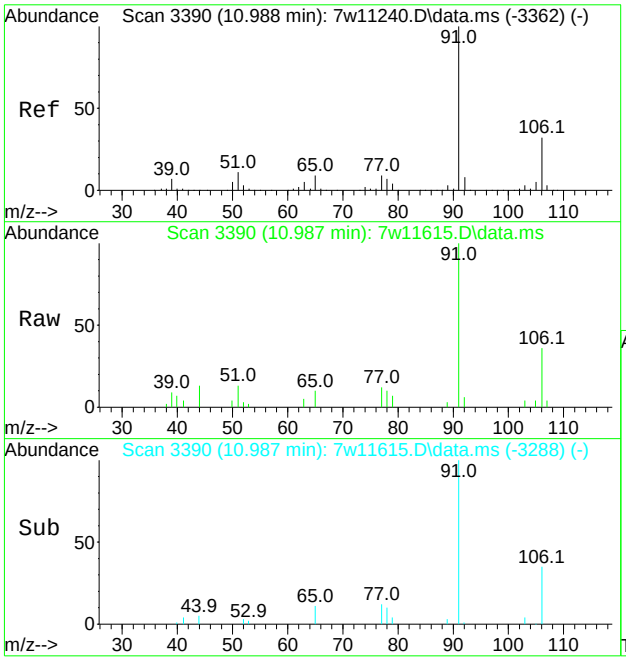


#66
TOLUENE
Concen: 1.5027 PPBV
RT: 7.187 min Scan# 2208
Delta R.T. -0.003 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 91 Resp: 71132

Ion	Ratio	Lower	Upper
91	100		
92	59.1	29.0	89.0

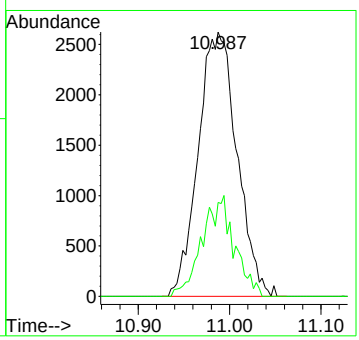


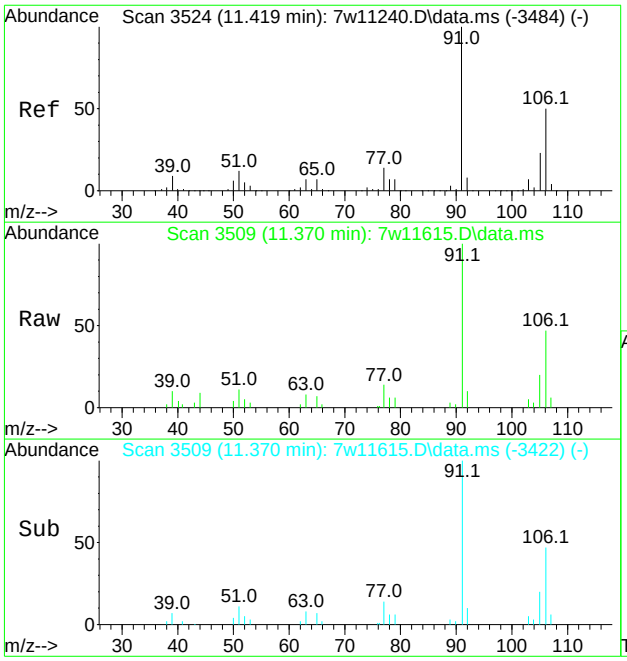


#79
ETHYLBENZENE
Concen: 0.1239 PPBV
RT: 10.987 min Scan# 3390
Delta R.T. -0.001 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 91 Resp: 7724

Ion	Ratio	Lower	Upper
91	100		
106	31.6	1.6	61.6

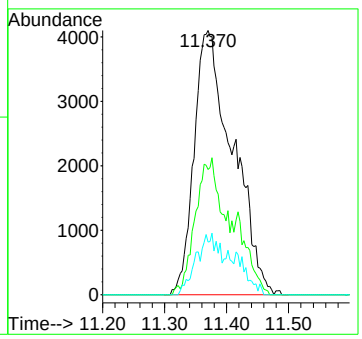


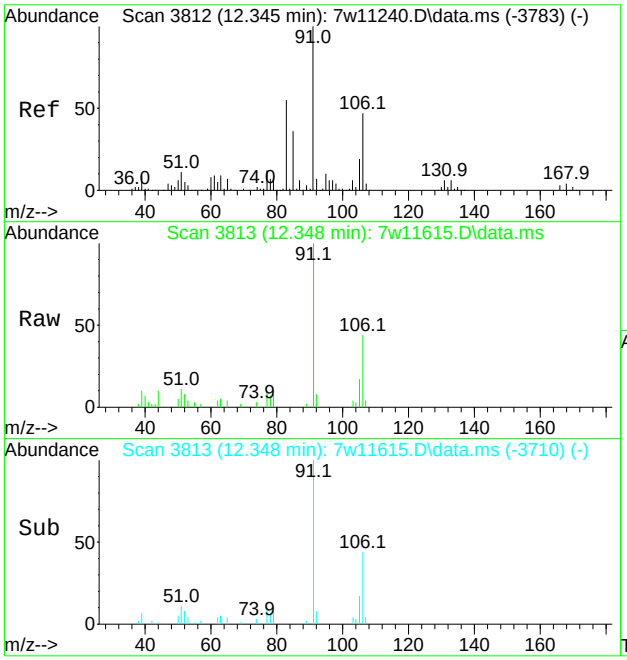


#80
M,P-XYLENE
Concen: 0.3633 PPBV
RT: 11.370 min Scan# 3509
Delta R.T. -0.049 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 91 Resp: 17748

Ion	Ratio	Lower	Upper
91	100		
106	48.6	0.0	55.5
105	21.8	0.0	41.7

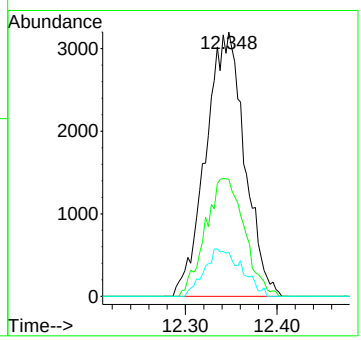


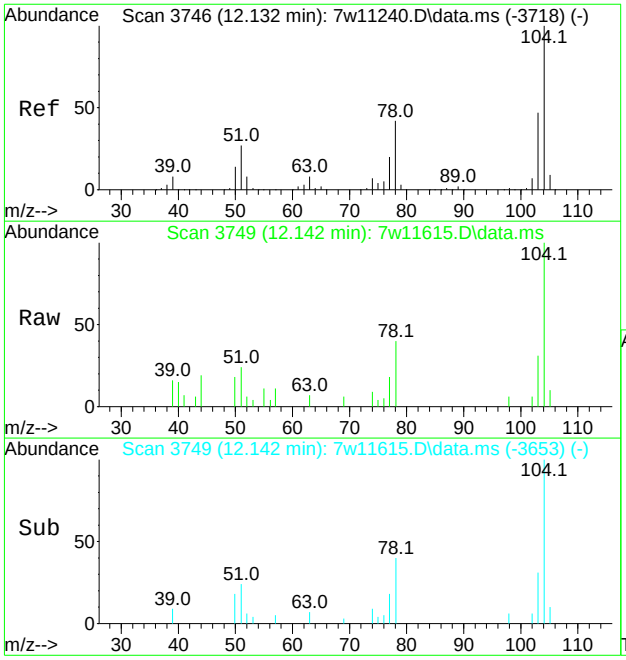


#81
O-XYLENE
Concen: 0.1927 PPBV
RT: 12.348 min Scan# 3813
Delta R.T. 0.003 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion: 91 Resp: 9455

Ion	Ratio	Lower	Upper
91	100		
106	44.3	32.7	60.7
105	16.7	13.2	24.6

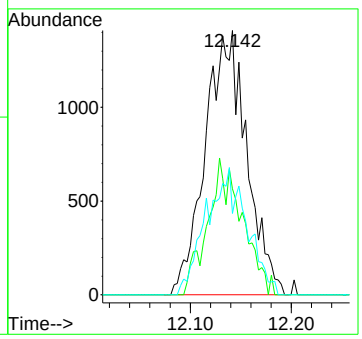


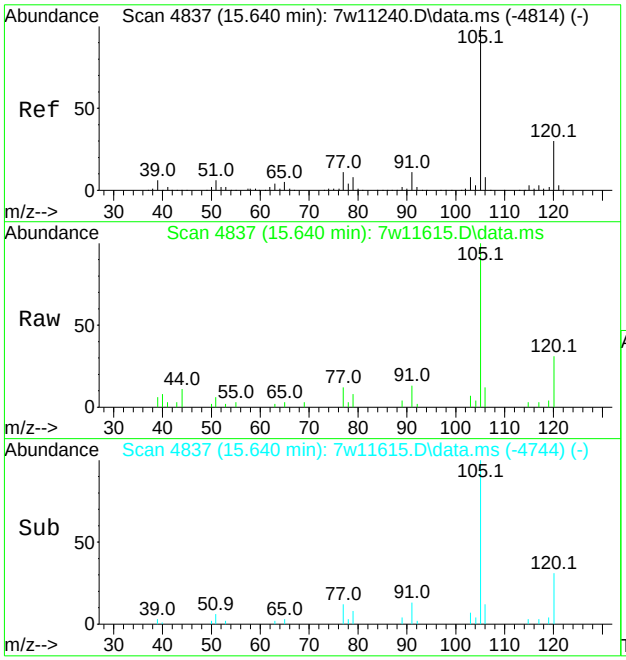


#82
STYRENE
Concen: 0.1144 PPBV
RT: 12.142 min Scan# 3749
Delta R.T. 0.010 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion:104 Resp: 4019

Ion	Ratio	Lower	Upper
104	100		
78	43.2	30.0	55.6
103	47.1	33.0	61.4

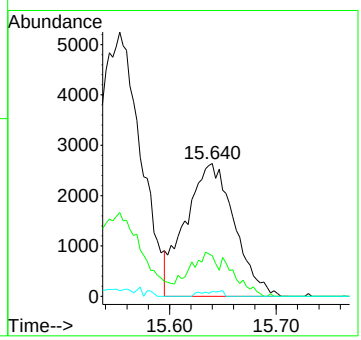


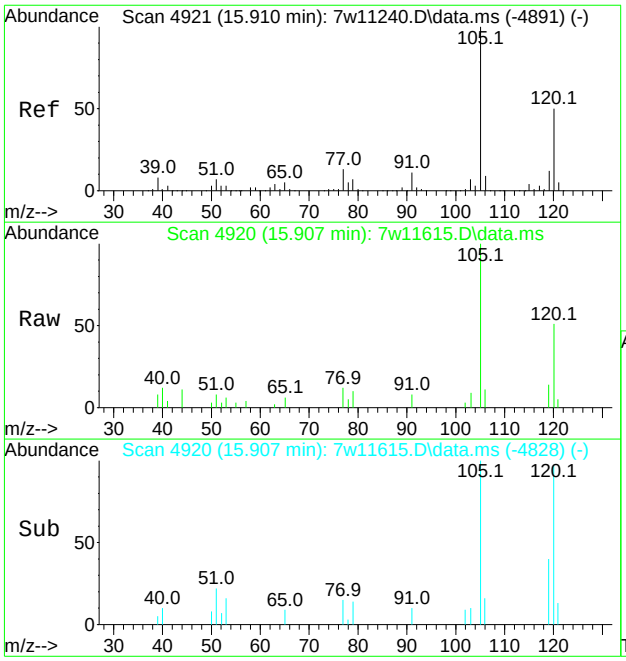


#92
4-ETHYLTOLUENE
Concen: 0.1229 PPBV
RT: 15.640 min Scan# 4837
Delta R.T. 0.000 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion:105 Resp: 8377

Ion	Ratio	Lower	Upper
105	100		
120	28.6	21.1	39.1
119	1.7	1.6	3.0

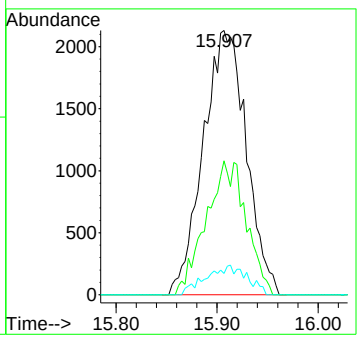


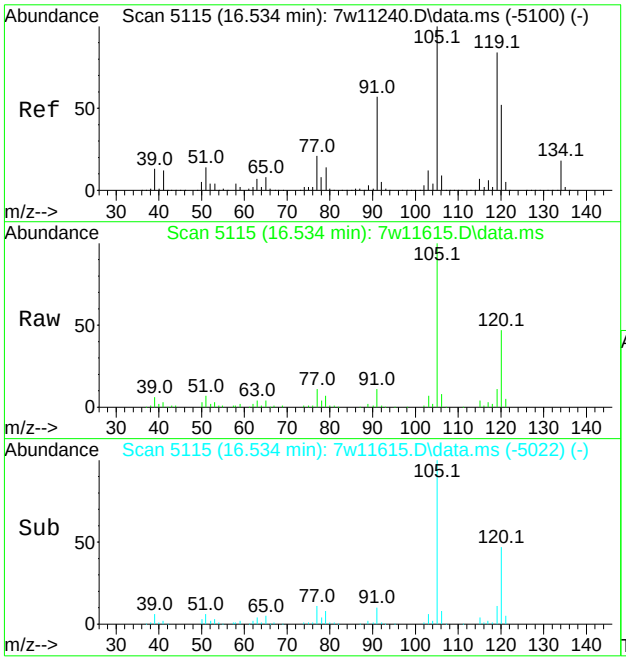


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.1101 PPBV
RT: 15.907 min Scan# 4920
Delta R.T. -0.003 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion:105 Resp: 6316

Ion	Ratio	Lower	Upper
105	100		
120	47.1	34.9	64.7
91	10.6	7.5	13.9

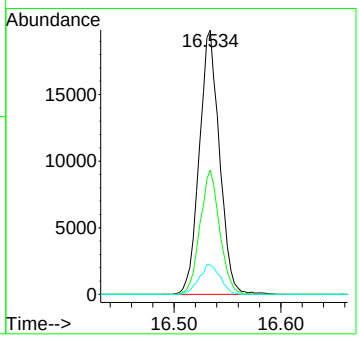




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.4499 PPBV
RT: 16.534 min Scan# 5115
Delta R.T. -0.000 min
Lab File: 7w11615.D
Acq: 9 Jan 2025 11:26 am

Tgt Ion:105 Resp: 26025

Ion	Ratio	Lower	Upper
105	100		
120	45.6	38.8	72.0
119	11.9	74.3	137.9#



Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11611.D
Acq On : 9 Jan 2025 8:48 am
Operator : benk
Sample : je3522-4 Inst : MS7W
Misc : MS88628,v7w416,40,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 10 06:46:59 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

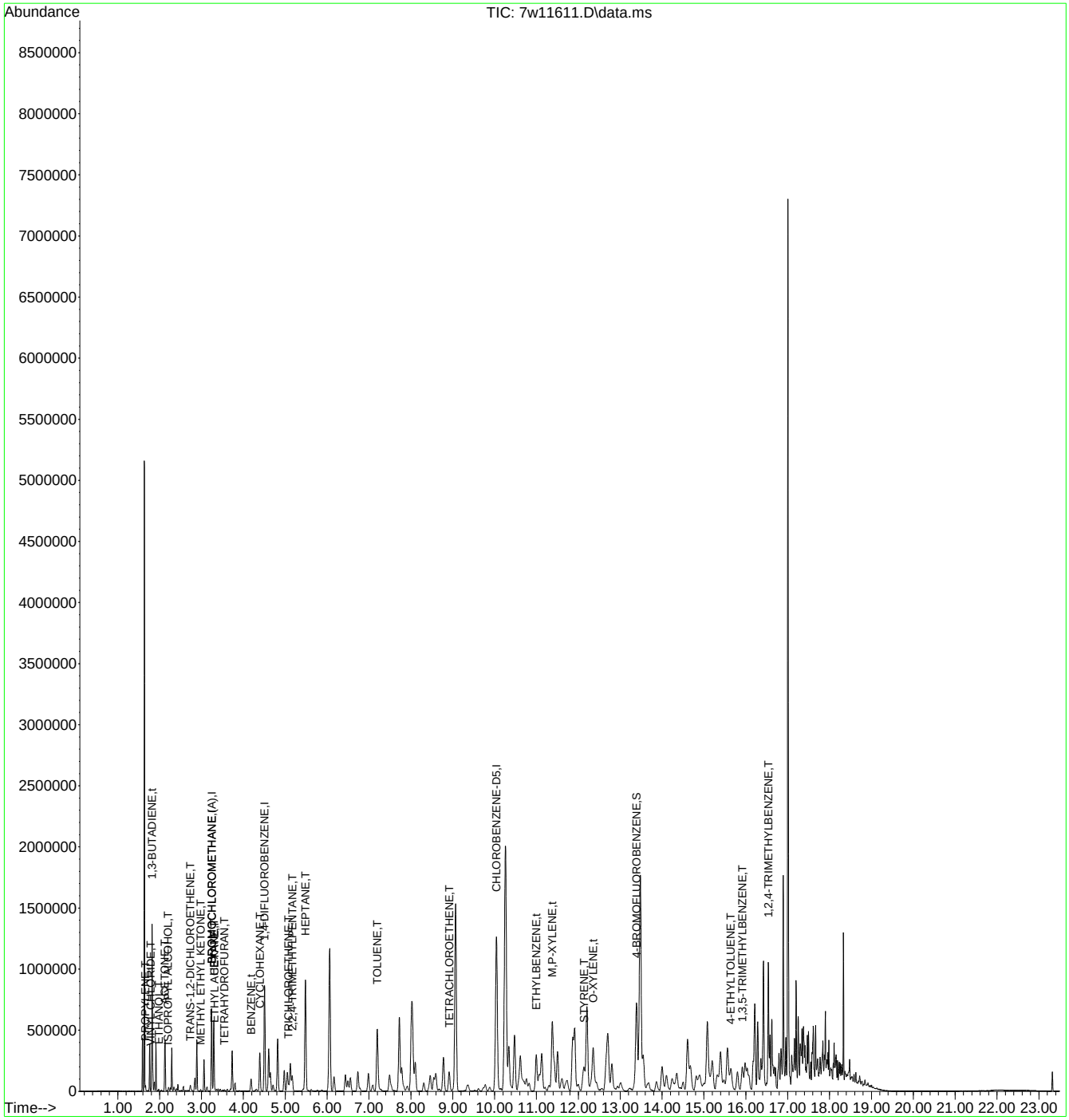
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.242	128	133523	10.00	PPBV	0.02
52) 1,4-DIFLUOROBENZENE	4.505	114	643041	10.00	PPBV	0.01
76) CHLOROBENZENE-D5	10.042	117	613856	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.242	128	133506	10.00	PPBV	0.02
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.389	95	454943	10.21	PPBV	0.00
Target Compounds						Qvalue
7) PROPYLENE	1.660	41	9846	1.1237	PPBV	82
11) VINYL CHLORIDE	1.782	62	1155	0.1034	PPBV #	55
12) 1,3-BUTADIENE	1.821	54	292343	30.7230	PPBV	90
22) ISOPROPYL ALCOHOL	2.197	45	6599	0.2668	PPBV #	81
23) ACETONE	2.120	58	58225	7.5053	PPBV	59
28) ETHANOL	1.978	45	9608	1.4189	PPBV	99
34) TRANS-1,2-DICHLOROETHENE	2.734	96	9468	0.7856	PPBV	92
37) TETRAHYDROFURAN	3.541	72	2668	0.4996	PPBV	85
38) HEXANE	3.293	57	192323	8.7458	PPBV #	77
41) METHYL ETHYL KETONE	2.978	72	2668	0.4498	PPBV	88
44) ETHYL ACETATE	3.306	61	4199	0.9966	PPBV #	1
51) BENZENE	4.184	78	69330	1.9442	PPBV	99
53) CYCLOHEXANE	4.390	84	109133	7.1833	PPBV	97
55) TRICHLOROETHENE	5.071	95	1680	0.1028	PPBV #	77
60) 2,2,4-TRIMETHYLPENTANE	5.164	57	125265	2.0258	PPBV	91
62) HEPTANE	5.483	43	390724	17.9803	PPBV	96
66) TOLUENE	7.197	91	494479	10.8827	PPBV	100
72) TETRACHLOROETHENE	8.914	164	57094	3.3164	PPBV	95
79) ETHYLBENZENE	10.994	91	322290	5.3305	PPBV	100
80) M,P-XYLENE	11.376	91	780603	16.4699	PPBV	60
81) O-XYLENE	12.354	91	323847	6.8034	PPBV	99
82) STYRENE	12.135	104	40028	1.1741	PPBV	97
92) 4-ETHYLTOLUENE	15.640	105	183100	2.7696	PPBV	100
93) 1,3,5-TRIMETHYLBENZENE	15.916	105	176282	3.1685	PPBV	99
96) 1,2,4-TRIMETHYLBENZENE	16.537	105	470828	8.3898	PPBV #	36

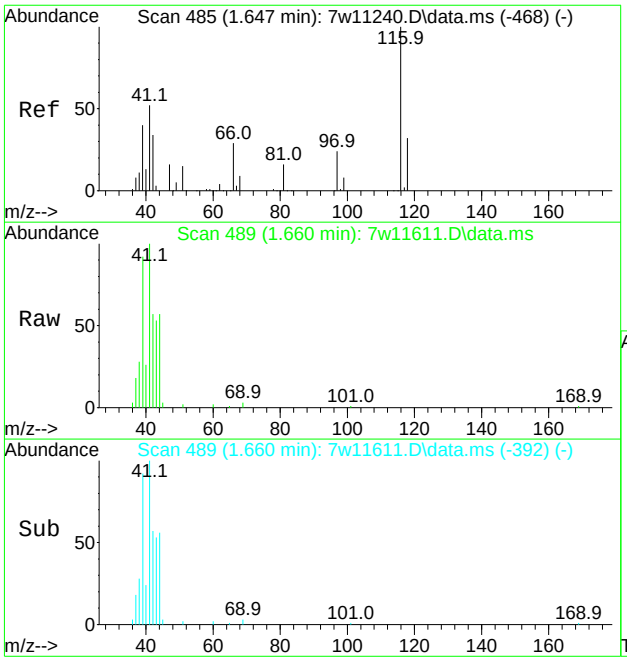
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11611.D
Acq On : 9 Jan 2025 8:48 am
Operator : benk
Sample : je3522-4 Inst : MS7W
Misc : MS88628,v7w416,40,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 10 06:46:59 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

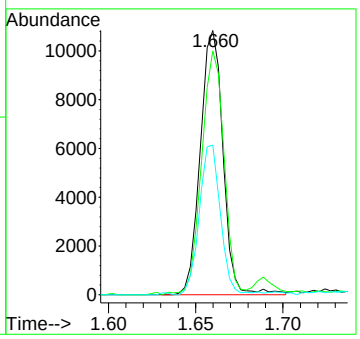


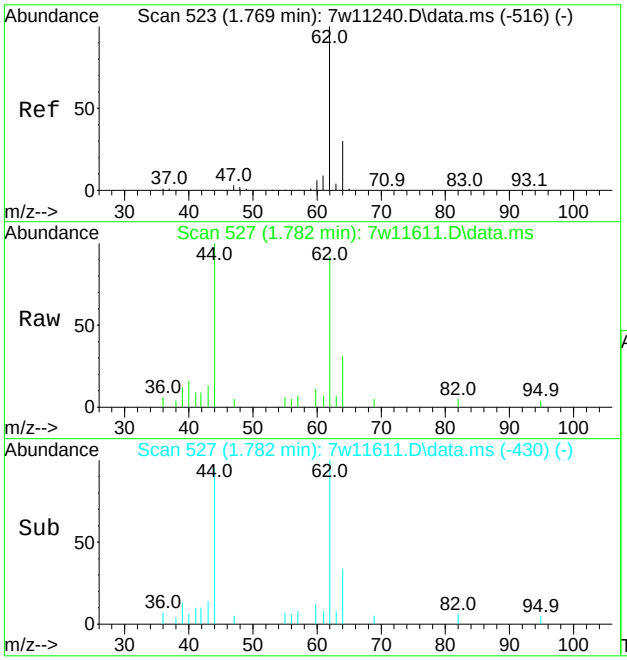


#7
PROPYLENE
Concen: 1.1237 PPBV
RT: 1.660 min Scan# 489
Delta R.T. 0.013 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 41 Resp: 9846

Ion	Ratio	Lower	Upper
41	100		
39	91.7	52.9	98.3
42	53.3	46.6	86.6

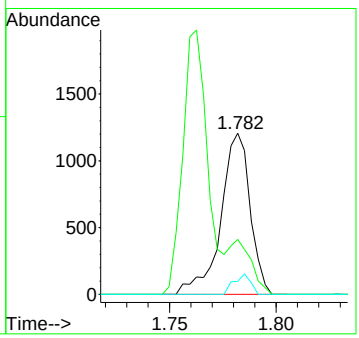


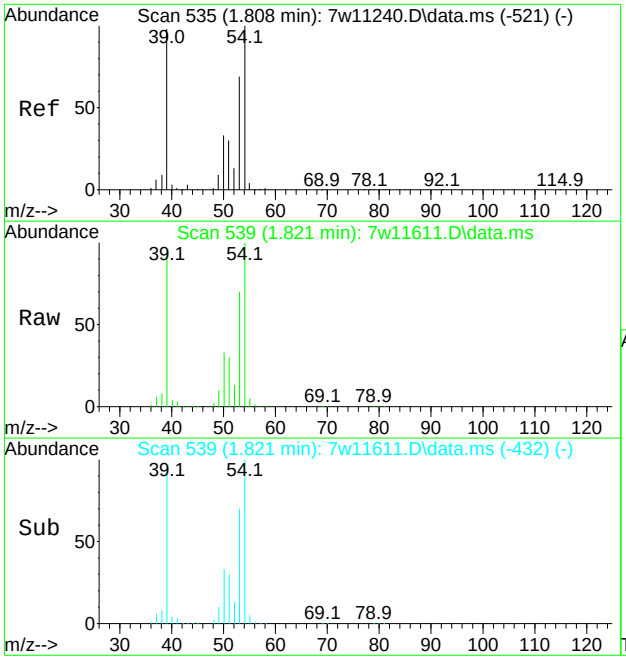


#11
VINYL CHLORIDE
Concen: 0.1034 PPBV
RT: 1.782 min Scan# 527
Delta R.T. 0.013 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 62 Resp: 1155

Ion	Ratio	Lower	Upper
62	100		
64	0.0	21.4	39.8#
61	7.2	5.9	11.1

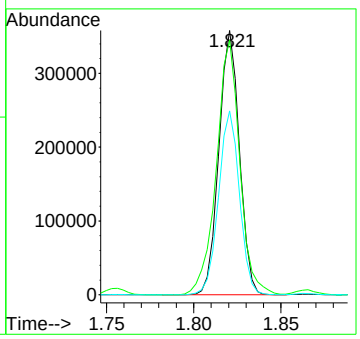


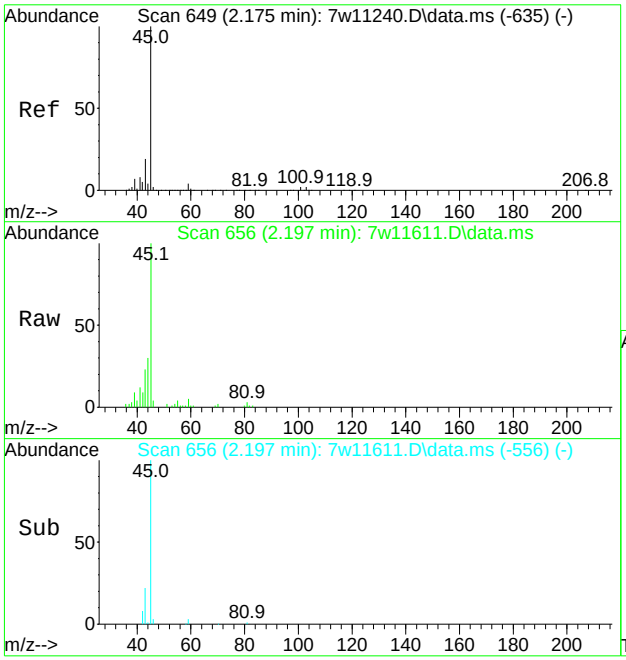


#12
1,3-BUTADIENE
Concen: 30.7230 PPBV
RT: 1.821 min Scan# 539
Delta R.T. 0.013 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 54 Resp: 292343

Ion	Ratio	Lower	Upper
54	100		
39	109.8	98.3	158.3
53	71.0	41.0	101.0

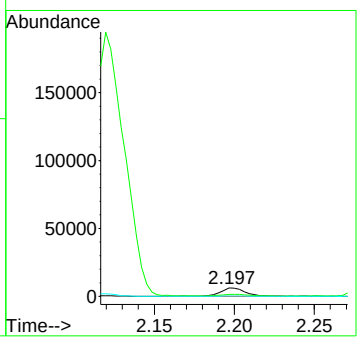


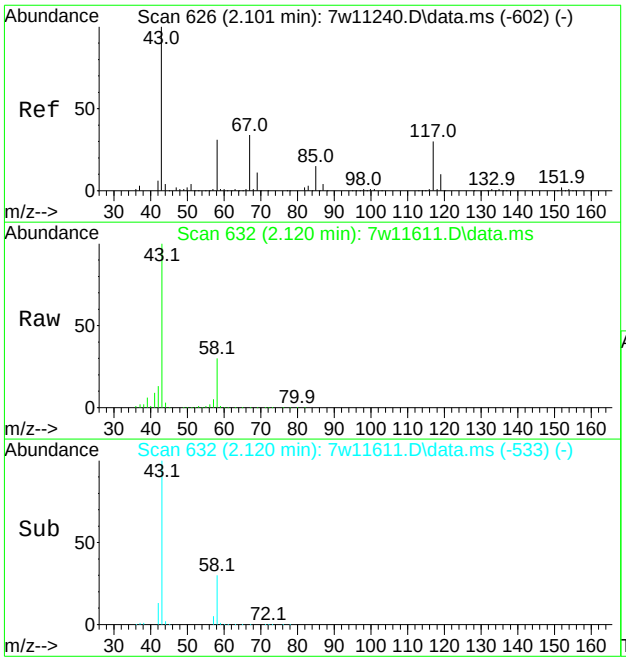


#22
ISOPROPYL ALCOHOL
Concen: 0.2668 PPBV
RT: 2.197 min Scan# 656
Delta R.T. 0.022 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 45 Resp: 6599

Ion	Ratio	Lower	Upper
45	100		
43	30.2	13.9	25.9#
59	3.8	2.8	5.2

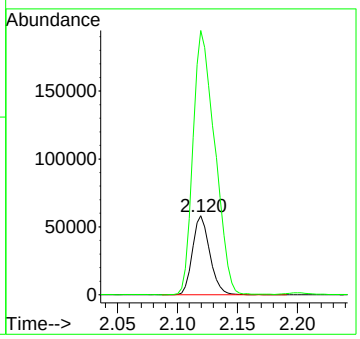


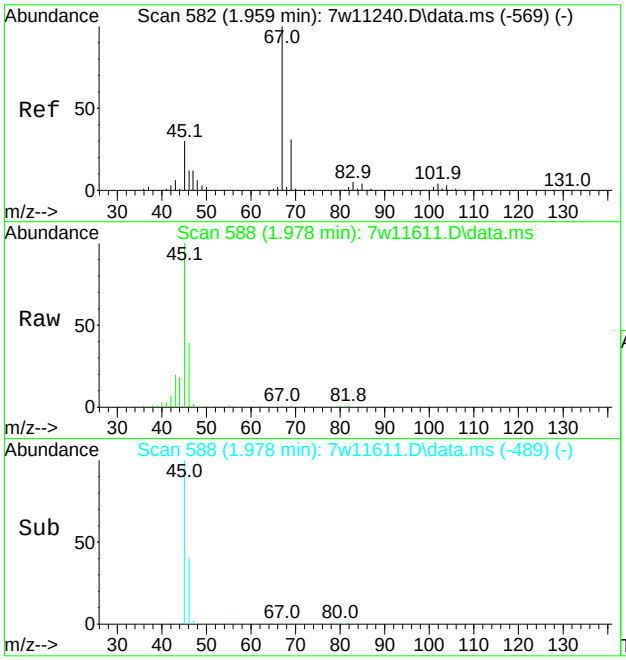


#23
ACETONE
Concen: 7.5053 PPBV
RT: 2.120 min Scan# 632
Delta R.T. 0.019 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 58 Resp: 58225

Ion	Ratio	Lower	Upper
58	100		
43	422.0	234.4	435.2

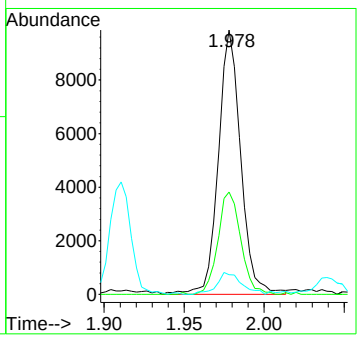


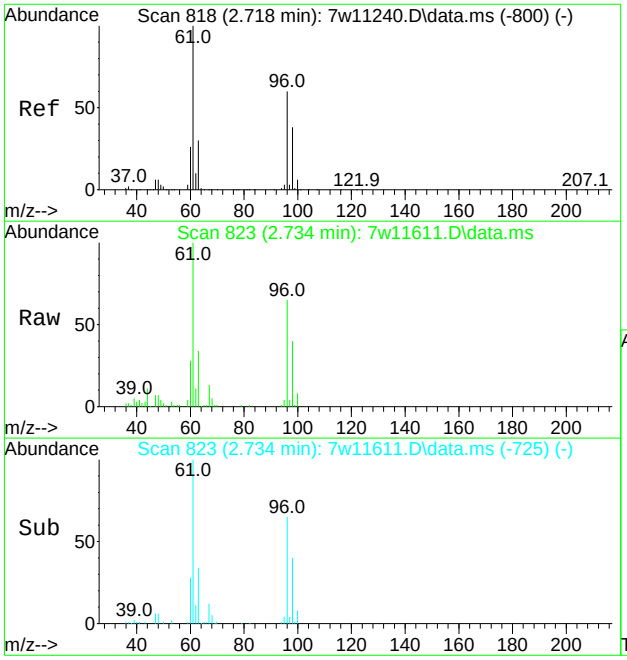


#28
ETHANOL
Concen: 1.4189 PPBV
RT: 1.978 min Scan# 588
Delta R.T. 0.019 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 45 Resp: 9608

Ion	Ratio	Lower	Upper
45	100		
46	39.7	28.6	53.0
42	9.1	6.3	11.7

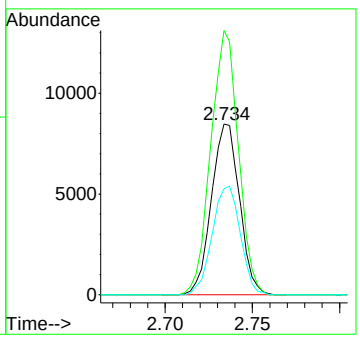


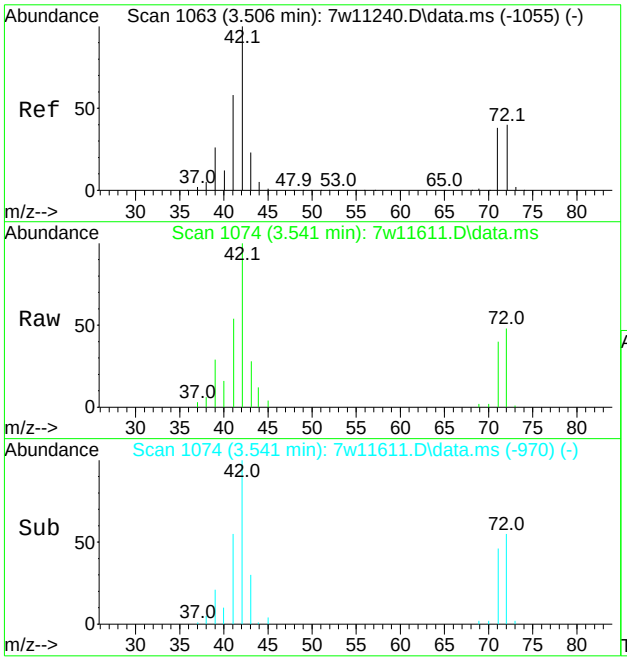


#34
TRANS-1,2-DICHLOROETHENE
Concen: 0.7856 PPBV
RT: 2.734 min Scan# 823
Delta R.T. 0.016 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 96 Resp: 9468

Ion	Ratio	Lower	Upper
96	100		
61	152.2	116.2	215.8
98	63.6	44.2	82.2

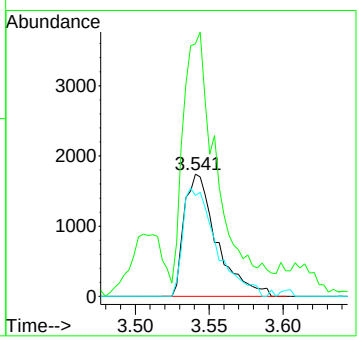


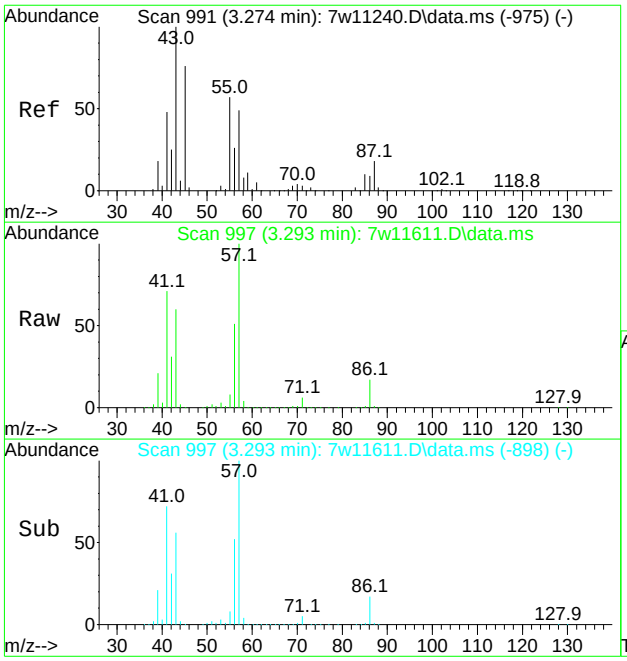


#37
TETRAHYDROFURAN
Concen: 0.4996 PPBV
RT: 3.541 min Scan# 1074
Delta R.T. 0.035 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 72 Resp: 2668

Ion	Ratio	Lower	Upper
72	100		
42	218.2	174.9	324.9
71	91.1	67.2	124.8

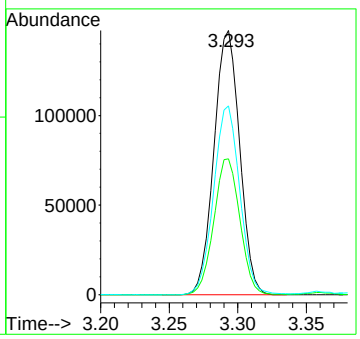


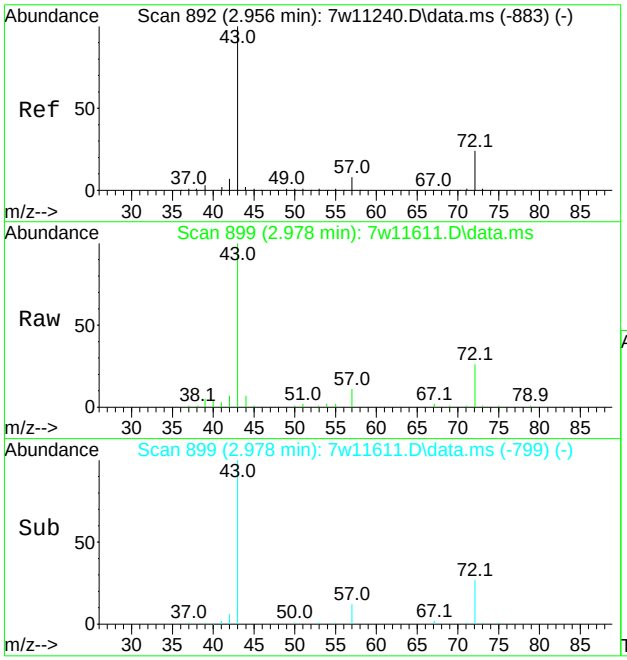


#38
HEXANE
Concen: 8.7458 PPBV
RT: 3.293 min Scan# 997
Delta R.T. 0.019 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 57 Resp: 192323

Ion	Ratio	Lower	Upper
57	100		
56	52.3	37.8	70.2
41	73.2	75.9	140.9#

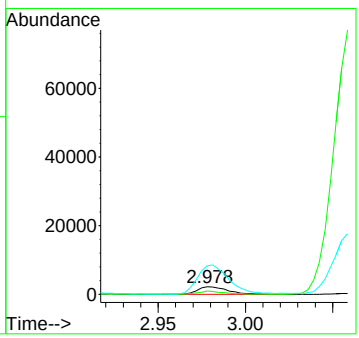


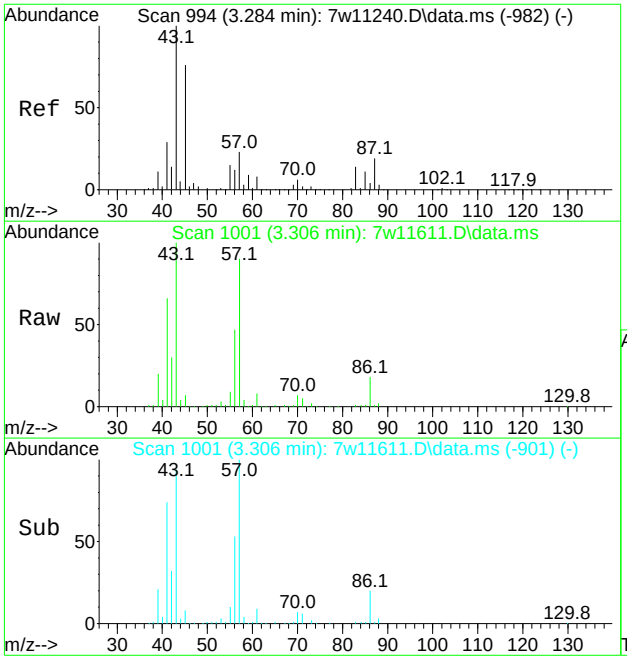


#41
METHYL ETHYL KETONE
Concen: 0.4498 PPBV
RT: 2.978 min Scan# 899
Delta R.T. 0.022 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 72 Resp: 2668

Ion	Ratio	Lower	Upper
72	100		
57	40.6	25.3	46.9
43	398.5	299.6	556.4

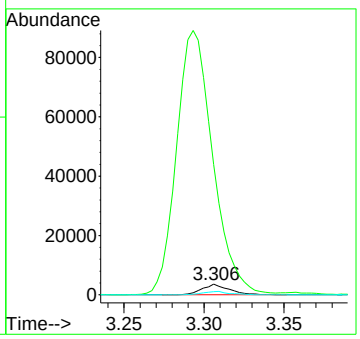


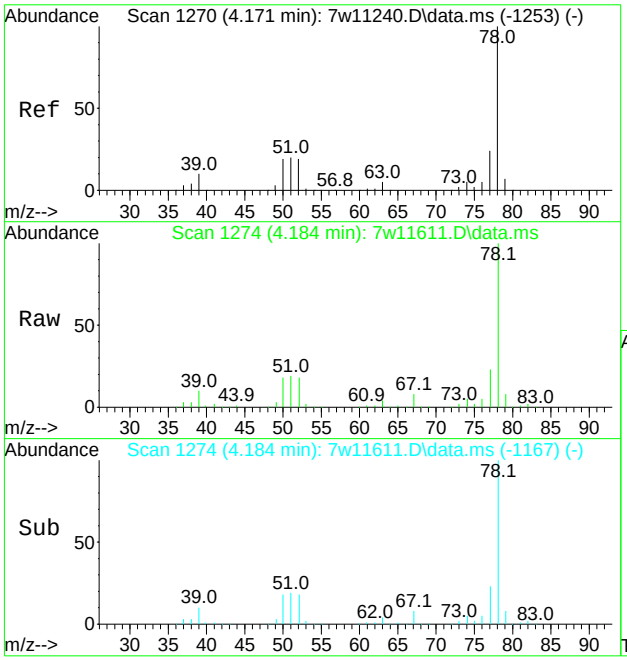


#44
ETHYL ACETATE
Concen: 0.9966 PPBV
RT: 3.306 min Scan# 1001
Delta R.T. 0.022 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 61 Resp: 4199

Ion	Ratio	Lower	Upper
61	100		
43	3355.0	1005.1	1866.5#
88	29.6	29.3	54.5

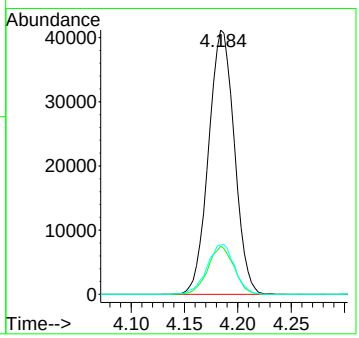


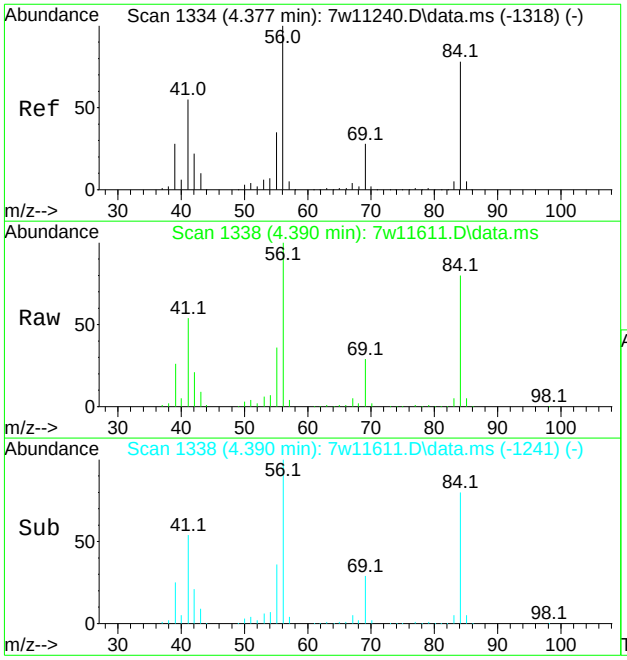


#51
BENZENE
Concen: 1.9442 PPBV
RT: 4.184 min Scan# 1274
Delta R.T. 0.013 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 78 Resp: 69330

Ion	Ratio	Lower	Upper
78	100		
52	18.4	0.0	48.9
51	20.3	0.0	50.2

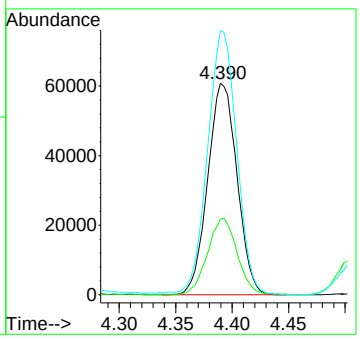


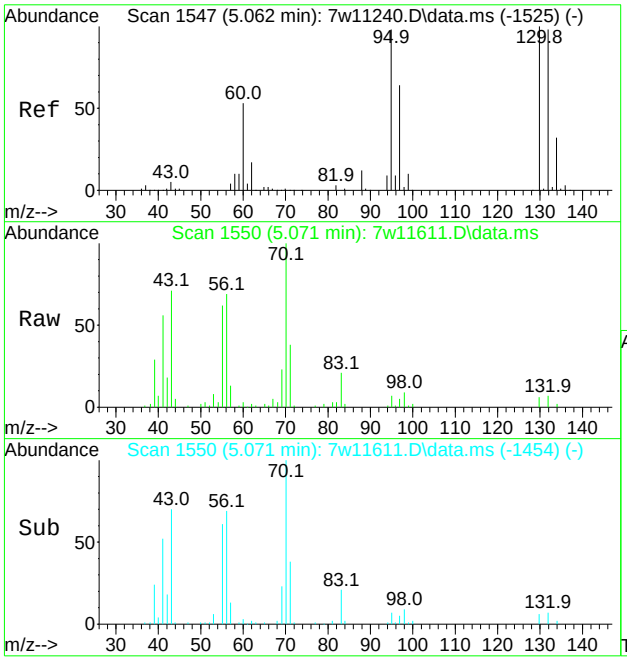


#53
CYCLOHEXANE
Concen: 7.1833 PPBV
RT: 4.390 min Scan# 1338
Delta R.T. 0.013 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 84 Resp: 109133

Ion	Ratio	Lower	Upper
84	100		
69	37.0	24.8	46.0
56	124.7	89.8	166.8

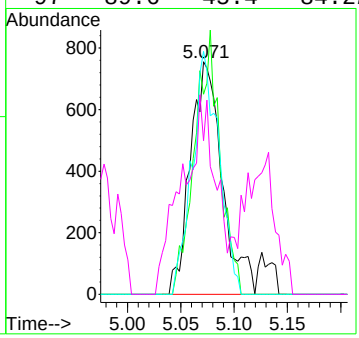


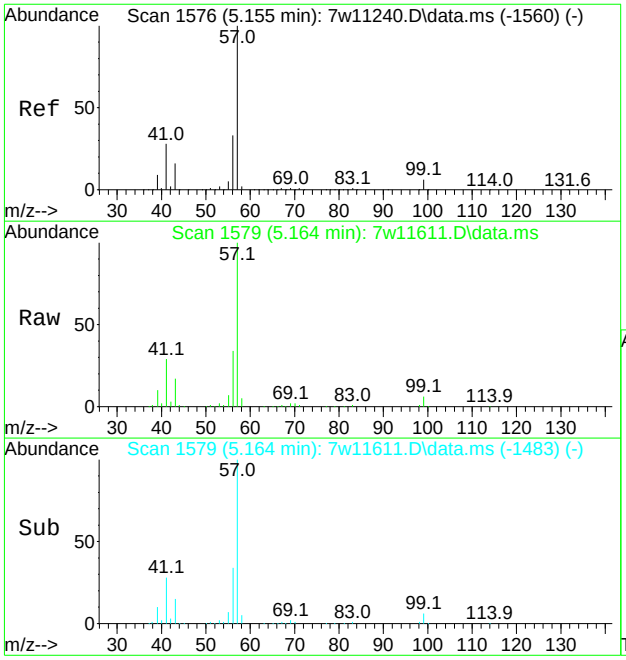


#55
TRICHLOROETHENE
Concen: 0.1028 PPBV
RT: 5.071 min Scan# 1550
Delta R.T. 0.009 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 95 Resp: 1680

Ion	Ratio	Lower	Upper
95	100		
130	84.2	72.8	135.2
132	82.2	71.9	133.5
97	89.6	45.4	84.2#

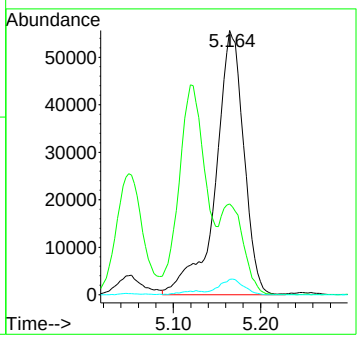


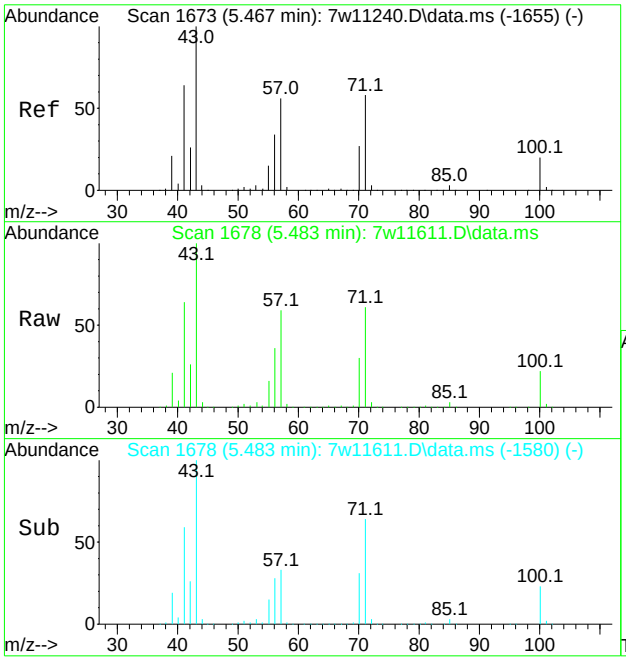


#60
2,2,4-TRIMETHYLPENTANE
Concen: 2.0258 PPBV
RT: 5.164 min Scan# 1579
Delta R.T. 0.009 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 57 Resp: 125265

Ion	Ratio	Lower	Upper
57	100		
56	26.9	22.7	42.1
99	5.1	3.9	7.3

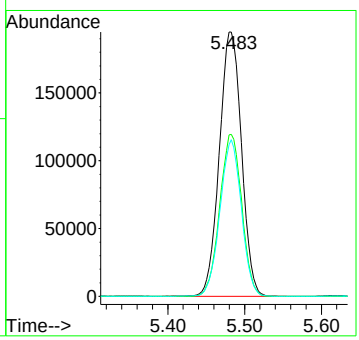


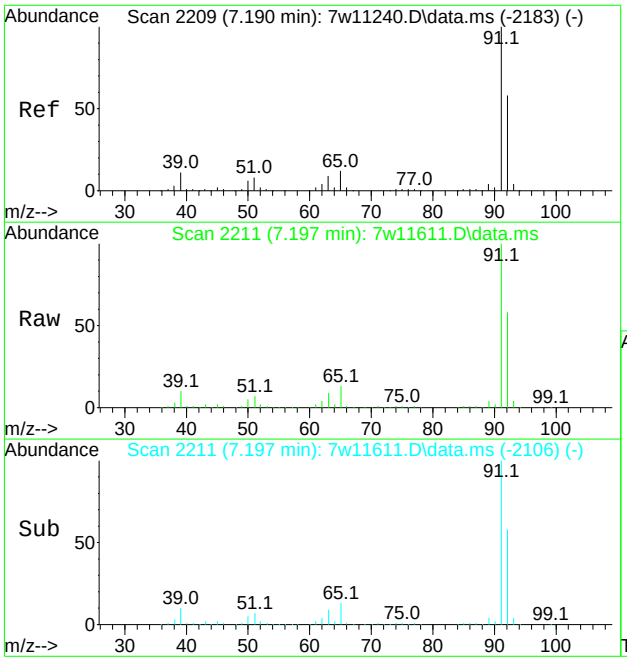


#62
HEPTANE
Concen: 17.9803 PPBV
RT: 5.483 min Scan# 1678
Delta R.T. 0.016 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 43 Resp: 390724

Ion	Ratio	Lower	Upper
43	100		
71	61.1	40.0	74.4
57	57.4	38.9	72.2

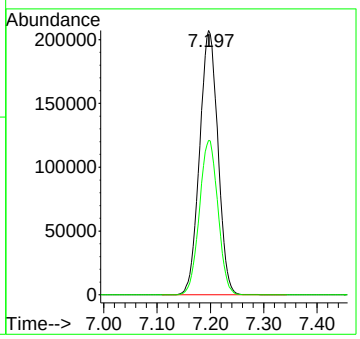


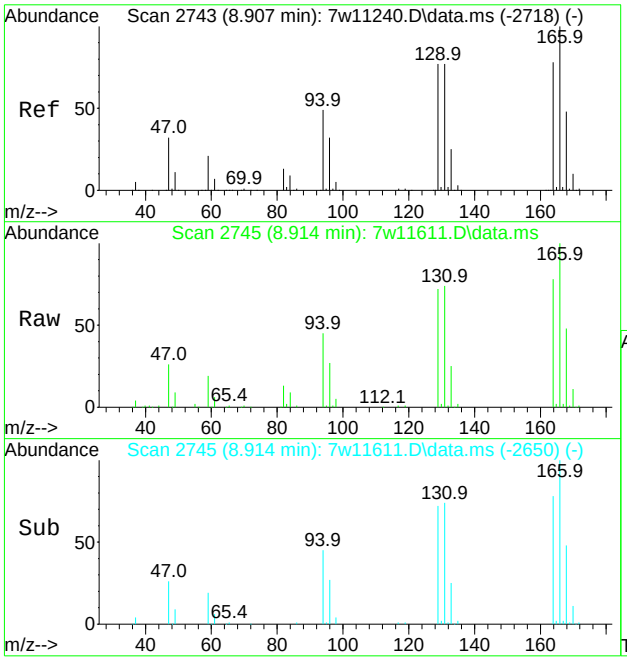


#66
TOLUENE
Concen: 10.8827 PPBV
RT: 7.197 min Scan# 2211
Delta R.T. 0.007 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 91 Resp: 494479

Ion	Ratio	Lower	Upper
91	100		
92	58.8	29.0	89.0

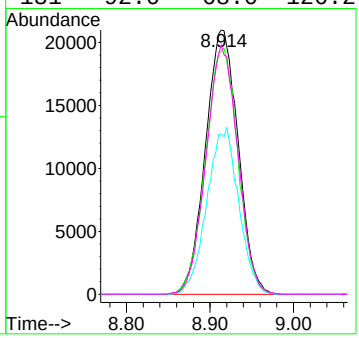


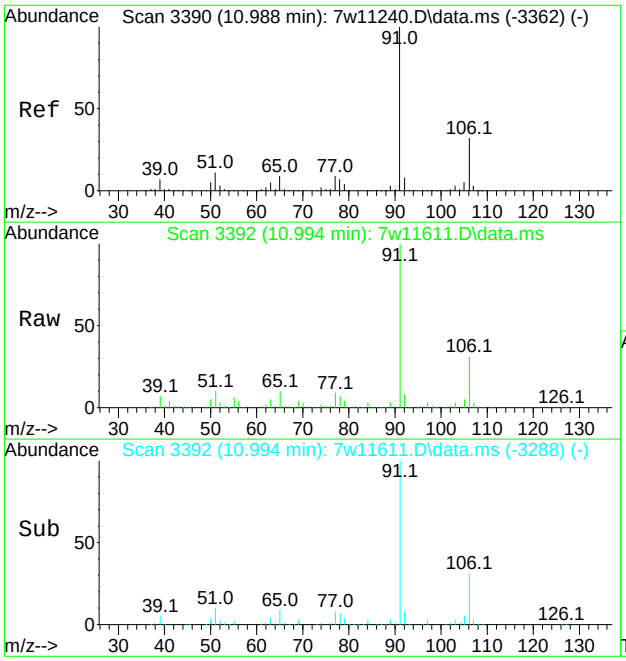


#72
TETRACHLOROETHENE
Concen: 3.3164 PPBV
RT: 8.914 min Scan# 2745
Delta R.T. 0.007 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion:164 Resp: 57094

Ion	Ratio	Lower	Upper
164	100		
129	92.4	68.9	127.9
168	61.4	42.3	78.5
131	92.0	68.0	126.2

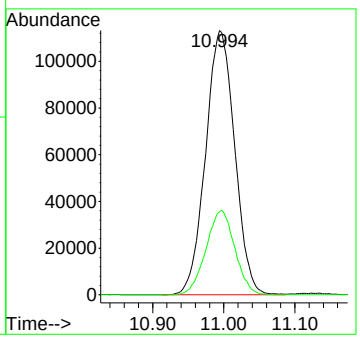


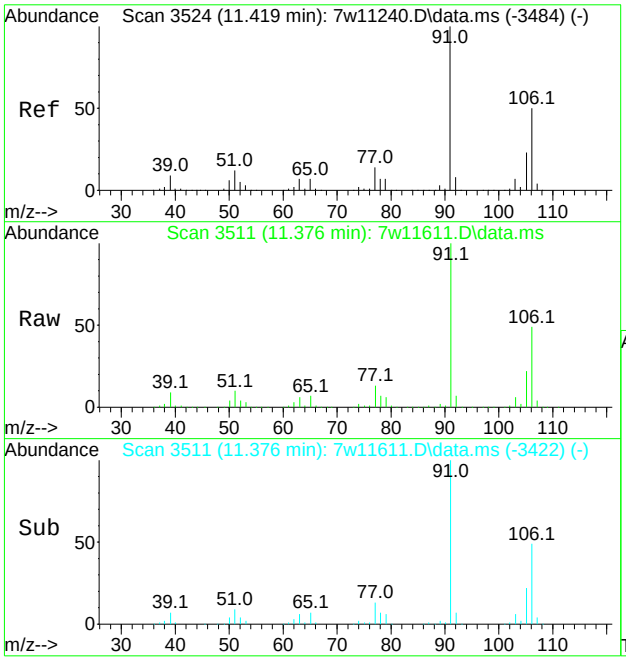


#79
ETHYLBENZENE
Concen: 5.3305 PPBV
RT: 10.994 min Scan# 3392
Delta R.T. 0.006 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 91 Resp: 322290

Ion	Ratio	Lower	Upper
91	100		
106	31.6	1.6	61.6

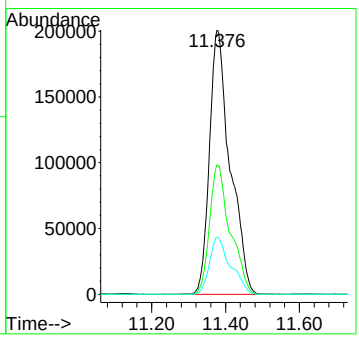


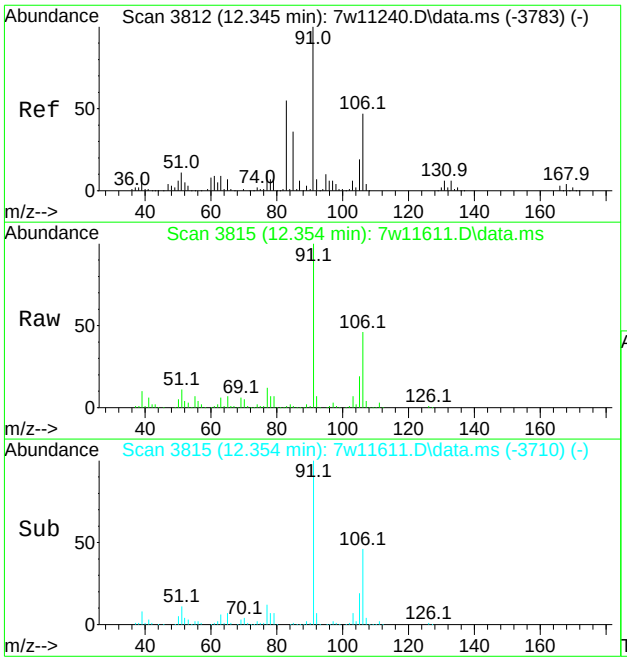


#80
M,P-XYLENE
Concen: 16.4699 PPBV
RT: 11.376 min Scan# 3511
Delta R.T. -0.043 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 91 Resp: 780603

Ion	Ratio	Lower	Upper
91	100		
106	49.1	0.0	55.5
105	22.1	0.0	41.7

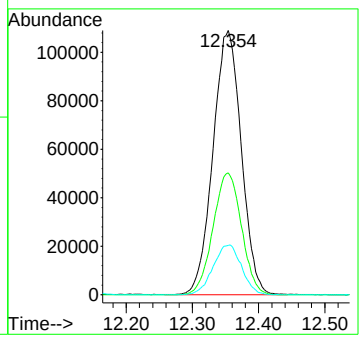


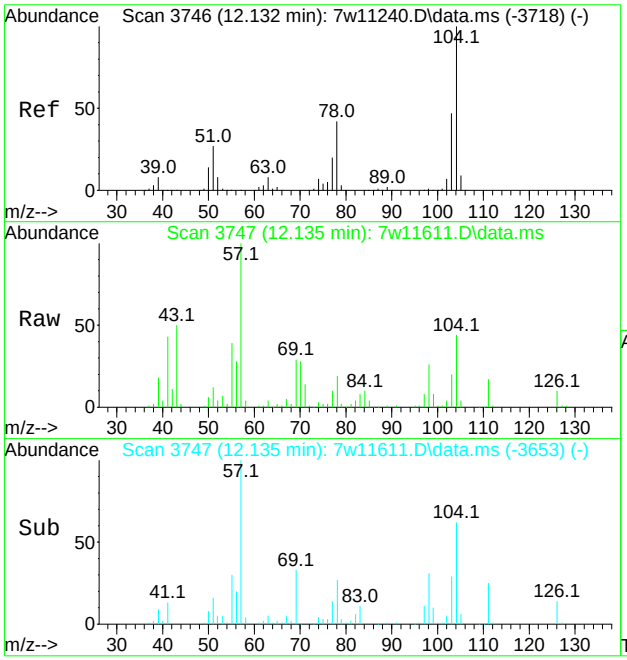


#81
O-XYLENE
Concen: 6.8034 PPBV
RT: 12.354 min Scan# 3815
Delta R.T. 0.009 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion: 91 Resp: 323847

Ion	Ratio	Lower	Upper
91	100		
106	46.1	32.7	60.7
105	18.7	13.2	24.6

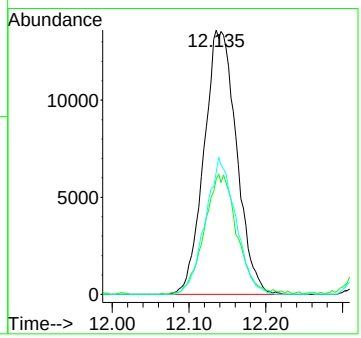


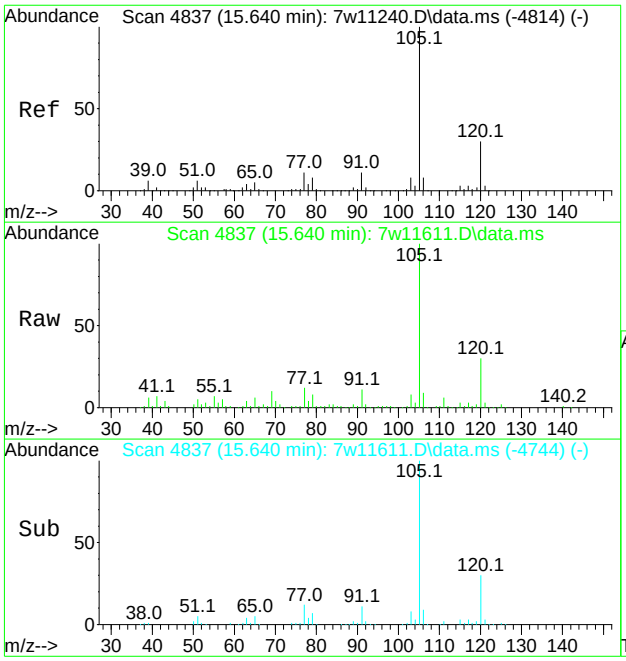


#82
STYRENE
Concen: 1.1741 PPBV
RT: 12.135 min Scan# 3747
Delta R.T. 0.003 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion:104 Resp: 40028

Ion	Ratio	Lower	Upper
104	100		
78	46.2	30.0	55.6
103	48.4	33.0	61.4

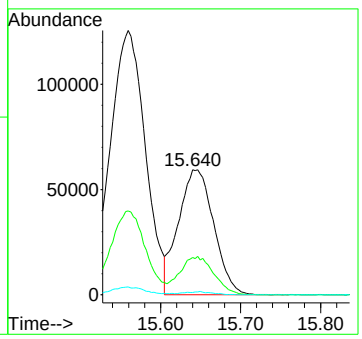


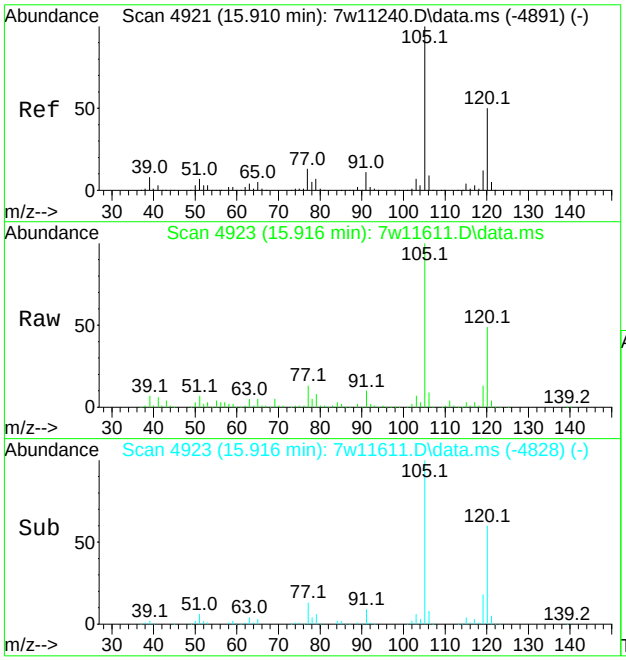


#92
4-ETHYLTOLUENE
Concen: 2.7696 PPBV
RT: 15.640 min Scan# 4837
Delta R.T. -0.000 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion:105 Resp: 183100

Ion	Ratio	Lower	Upper
105	100		
120	30.0	21.1	39.1
119	2.0	1.6	3.0

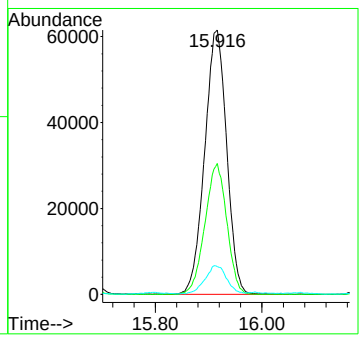


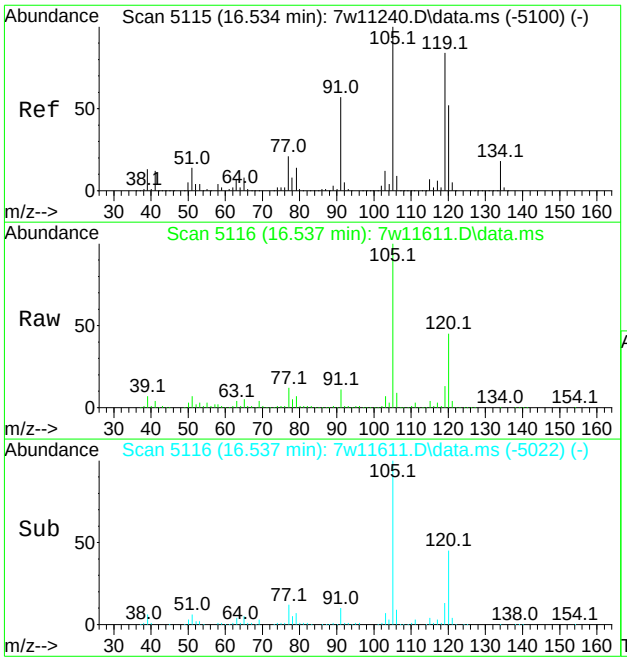


#93
1,3,5-TRIMETHYLBENZENE
Concen: 3.1685 PPBV
RT: 15.916 min Scan# 4923
Delta R.T. 0.006 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion:105 Resp: 176282

Ion	Ratio	Lower	Upper
105	100		
120	49.0	34.9	64.7
91	10.5	7.5	13.9

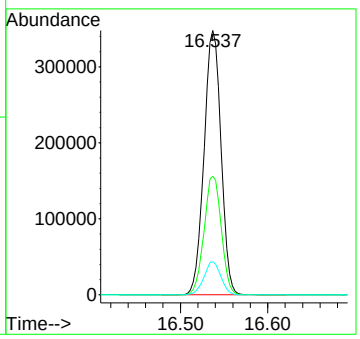




#96
1,2,4-TRIMETHYLBENZENE
Concen: 8.3898 PPBV
RT: 16.537 min Scan# 5116
Delta R.T. 0.003 min
Lab File: 7w11611.D
Acq: 9 Jan 2025 8:48 am

Tgt Ion:105 Resp: 470828

Ion	Ratio	Lower	Upper
105	100		
120	45.5	38.8	72.0
119	12.4	74.3	137.9#



Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\v7w415\
Data File : 7w11593.D
Acq On : 8 Jan 2025 7:37 pm
Operator : benk
Sample : je3522-5 Inst : MS7W
Misc : MS88628,v7w415,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 10 03:51:27 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

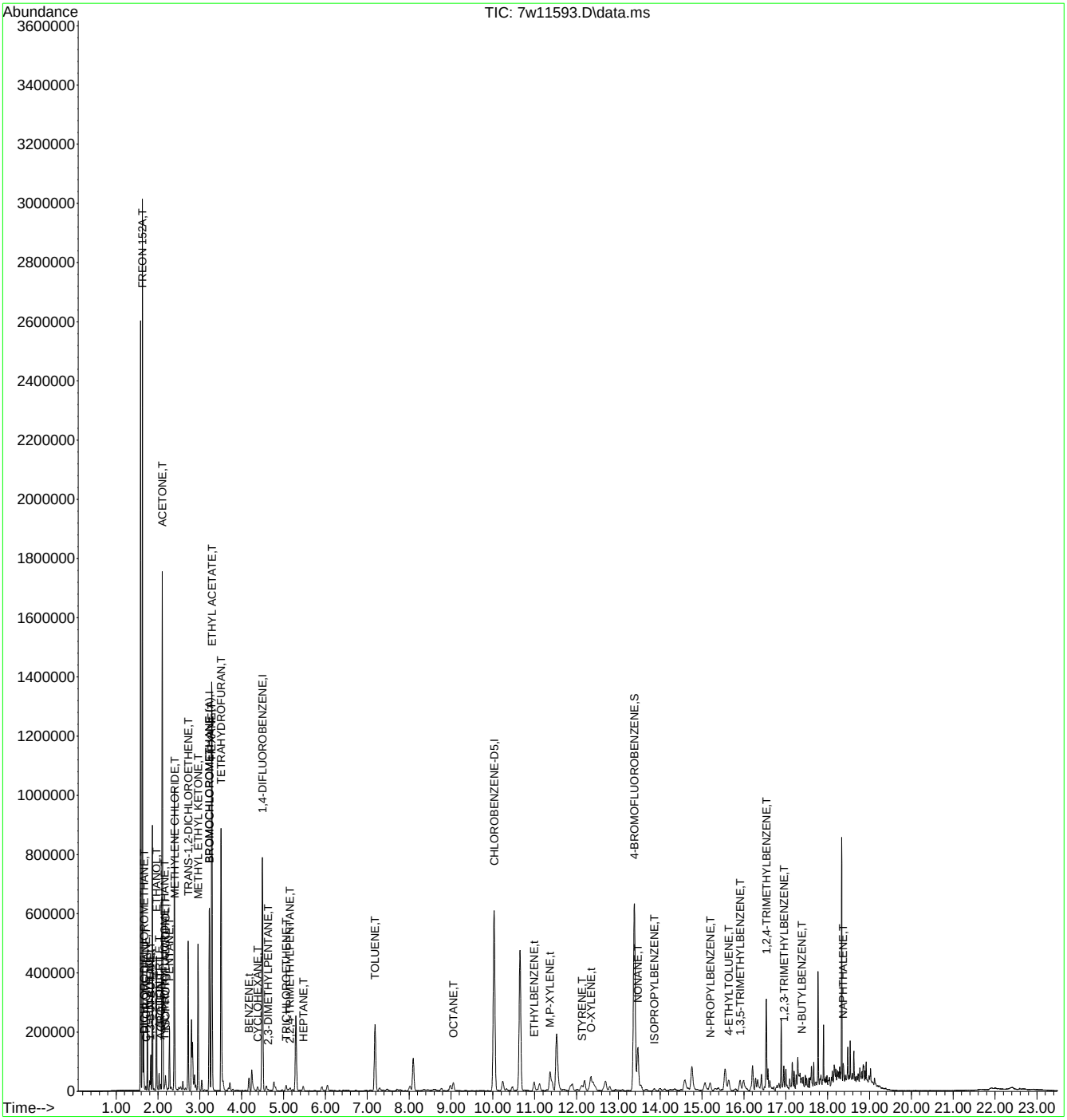
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	116610	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	567374	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	545131	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	116610	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.380	95	402608	10.18	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	548671	98.8043	PPBV	100
6) DICHLORODIFLUOROMETHANE	1.666	85	13292	0.4572	PPBV #	94
10) CHLOROMETHANE	1.711	52	1743	0.5775	PPBV	92
12) 1,3-BUTADIENE	1.811	54	2945	0.3544	PPBV #	28
13) N-BUTANE	1.827	43	47850	3.1639	PPBV	98
17) ACETONITRILE	2.026	41	30301	3.2330	PPBV	99
18) ACROLEIN	2.065	56	9421	1.9138	PPBV	96
21) TRICHLOROFLUOROMETHANE	2.161	101	6477	0.2530	PPBV	97
22) ISOPROPYL ALCOHOL	2.178	45	35216	1.6302	PPBV	92
23) ACETONE	2.100	58	359157	53.0110	PPBV	93
24) PENTANE	2.274	42	44512	4.2896	PPBV	99
28) ETHANOL	1.962	45	249093	42.1214	PPBV	99
31) METHYLENE CHLORIDE	2.399	84	22406	2.4276	PPBV	95
34) TRANS-1,2-DICHLOROETHENE	2.721	96	107587	10.2214	PPBV	99
37) TETRAHYDROFURAN	3.505	72	171192	36.7030	PPBV	98
38) HEXANE	3.277	57	68506	3.5671	PPBV	83
41) METHYL ETHYL KETONE	2.956	72	91203	17.6042	PPBV	97
44) ETHYL ACETATE	3.287	61	141533	38.4641	PPBV #	1
51) BENZENE	4.174	78	32448	1.0419	PPBV	99
53) CYCLOHEXANE	4.380	84	4452	0.3321	PPBV	87
54) 2,3-DIMETHYLPENTANE	4.628	71	698	0.0992	PPBV #	97
55) TRICHLOROETHENE	5.058	95	5819	0.4035	PPBV	99
60) 2,2,4-TRIMETHYLPENTANE	5.152	57	7939	0.1455	PPBV	91
62) HEPTANE	5.470	43	7335	0.3826	PPBV	94
66) TOLUENE	7.187	91	217204	5.4178	PPBV	100
75) OCTANE	9.055	43	12117	0.4460	PPBV	96
79) ETHYLBENZENE	10.987	91	35394	0.6592	PPBV	99
80) M,P-XYLENE	11.364	91	91192	2.1666	PPBV	60
81) O-XYLENE	12.348	91	47829	1.1315	PPBV	97
82) STYRENE	12.129	104	9546	0.3153	PPBV	97
83) NONANE	13.466	43	93809	3.2308	PPBV	98
88) ISOPROPYLBENZENE	13.856	120	2429	0.1504	PPBV	90
91) N-PROPYLBENZENE	15.193	120	8099	0.4948	PPBV	99
92) 4-ETHYLTOLUENE	15.640	105	42247	0.7196	PPBV	100
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	35290	0.7143	PPBV	99
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	143880	2.8871	PPBV #	36
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	32711	0.6553	PPBV #	98
104) N-BUTYLBENZENE	17.383	134	3644	0.2283	PPBV #	34
108) NAPHTHALENE	18.367	128	23018	0.3780	PPBV	97

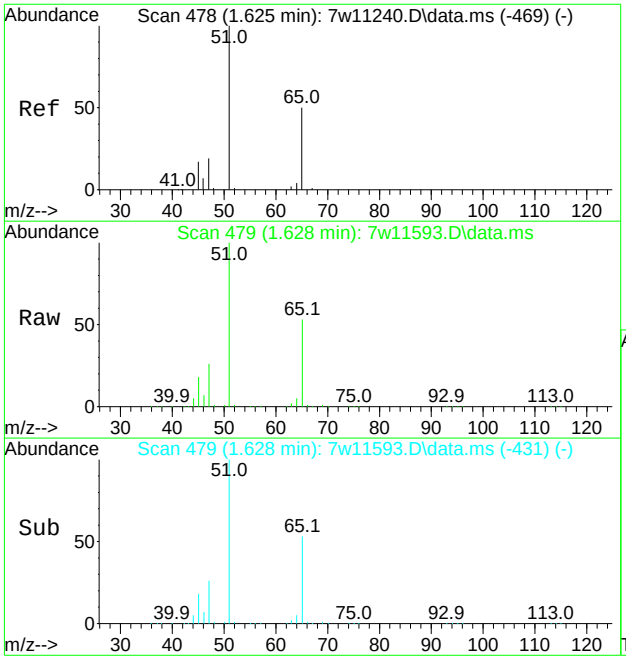
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\v7w415\
Data File : 7w11593.D
Acq On : 8 Jan 2025 7:37 pm
Operator : benk
Sample : je3522-5 Inst : MS7W
Misc : MS88628,v7w415,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 10 03:51:27 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

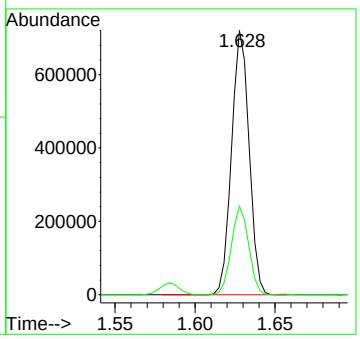


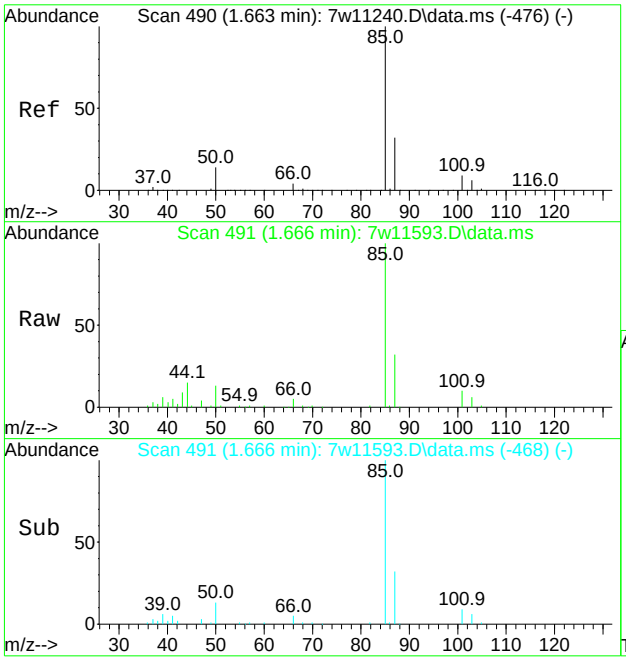


#3
FREON 152A
Concen: 98.8043 PPBV
RT: 1.628 min Scan# 479
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 65 Resp: 548671

Ion	Ratio	Lower	Upper
65	100		
45	33.3	23.5	43.7

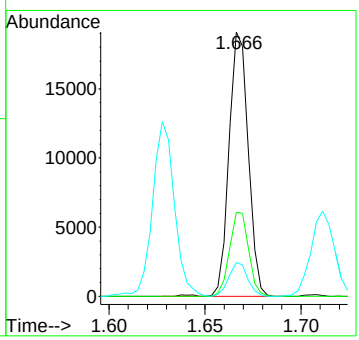


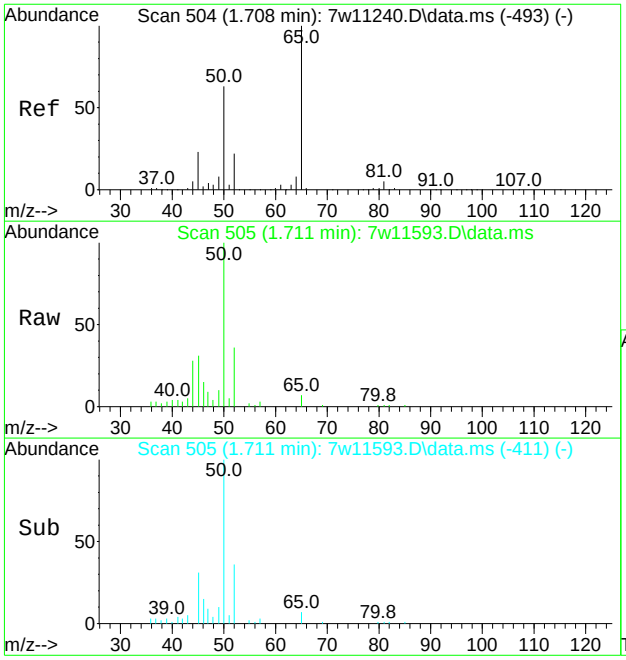


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4572 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 85 Resp: 13292

Ion	Ratio	Lower	Upper
85	100		
87	31.6	22.5	41.7
50	12.6	13.8	25.6#

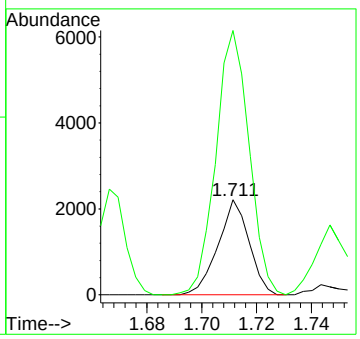


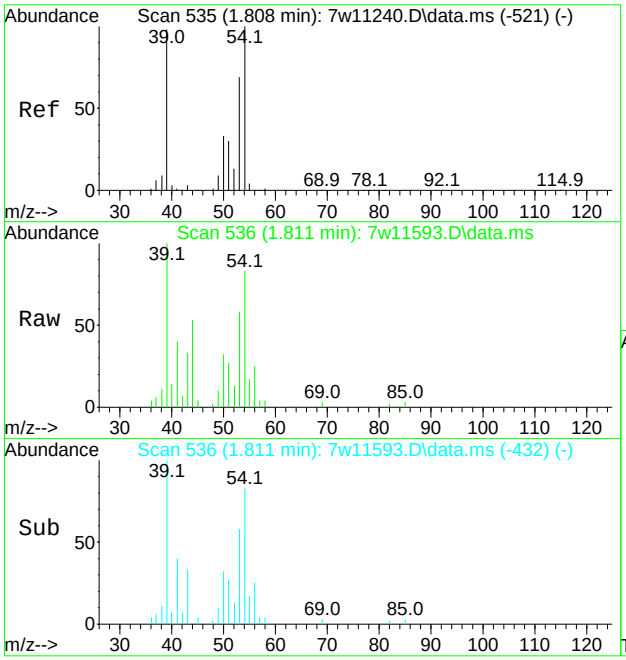


#10
CHLOROMETHANE
Concen: 0.5775 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 52 Resp: 1743

Ion	Ratio	Lower	Upper
52	100		
50	297.5	220.1	408.8

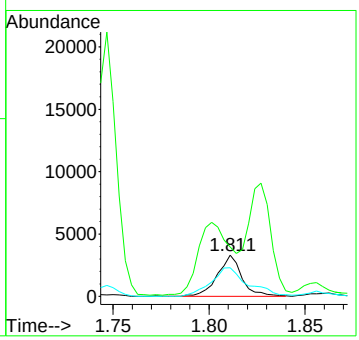


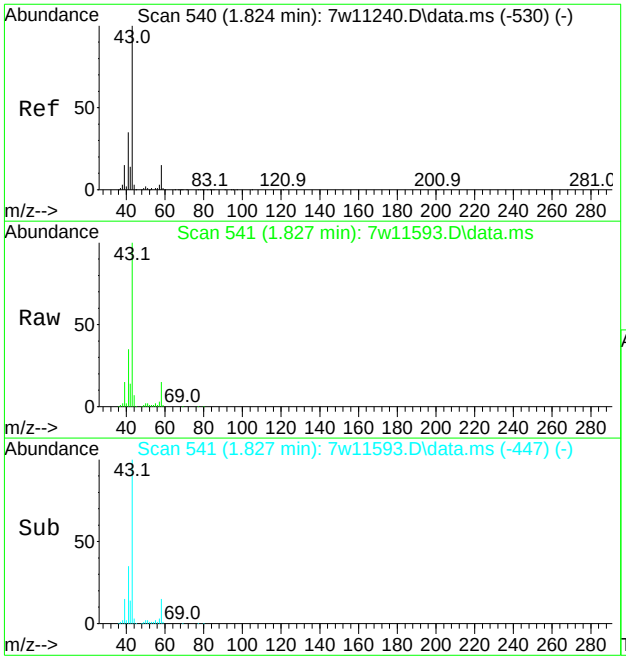


#12
1,3-BUTADIENE
Concen: 0.3544 PPBV
RT: 1.811 min Scan# 536
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 54 Resp: 2945

Ion	Ratio	Lower	Upper
54	100		
39	231.1	98.3	158.3#
53	104.7	41.0	101.0#

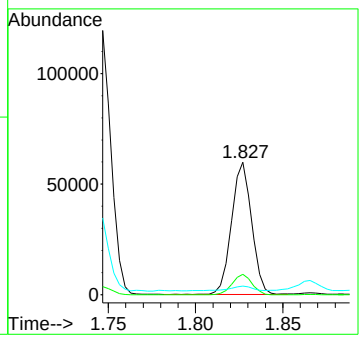


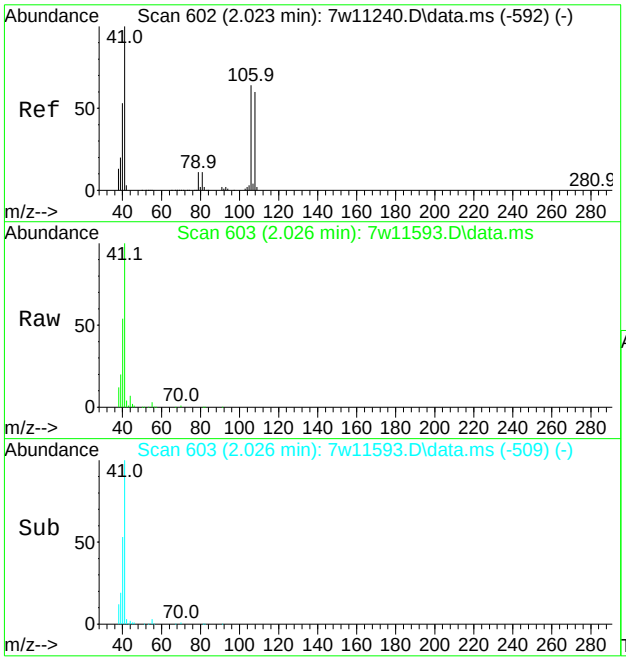


#13
N-BUTANE
Concen: 3.1639 PPBV
RT: 1.827 min Scan# 541
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 43 Resp: 47850

Ion	Ratio	Lower	Upper
43	100		
58	15.2	10.4	19.2
44	5.5	3.0	5.6

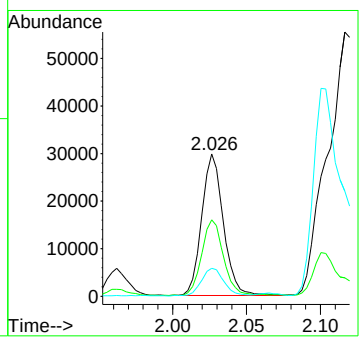


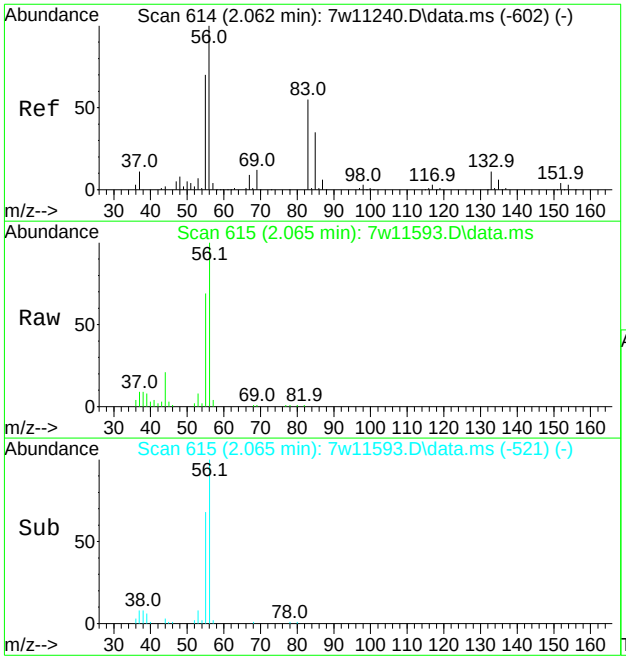


#17
ACETONITRILE
Concen: 3.2330 PPBV
RT: 2.026 min Scan# 603
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 41 Resp: 30301

Ion	Ratio	Lower	Upper
41	100		
40	53.7	37.9	70.5
39	20.2	13.8	25.6

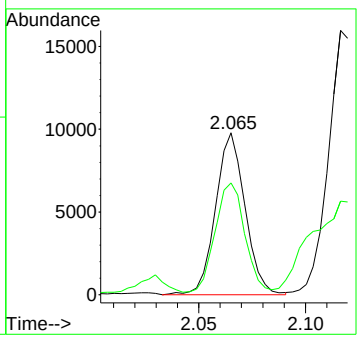


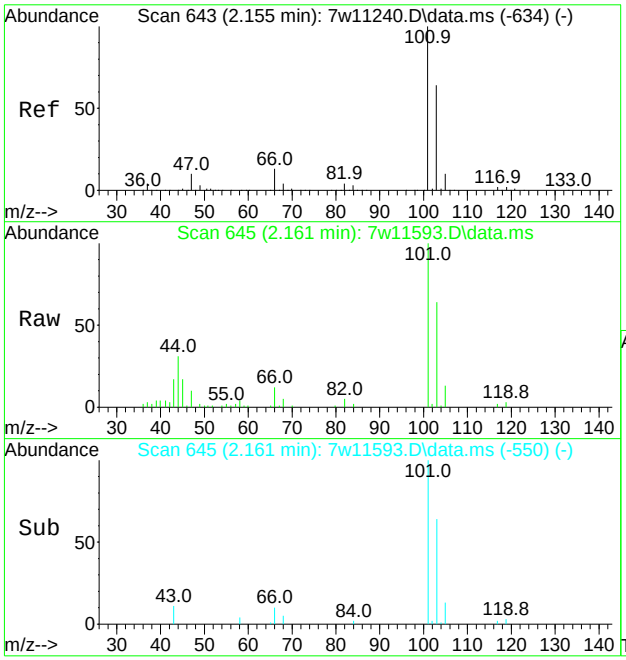


#18
ACROLEIN
Concen: 1.9138 PPBV
RT: 2.065 min Scan# 615
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 56 Resp: 9421

Ion	Ratio	Lower	Upper
56	100		
55	68.4	50.3	93.3

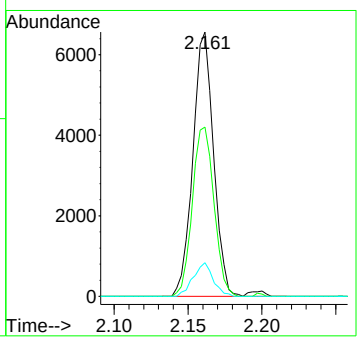


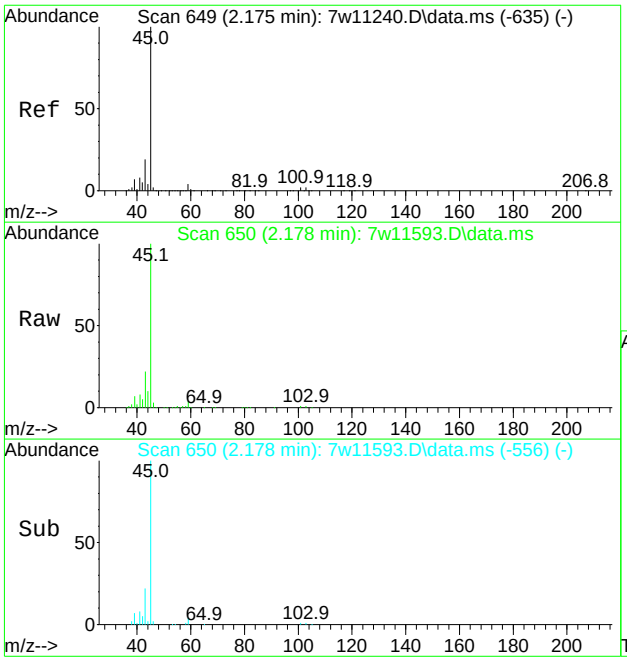


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2530 PPBV
RT: 2.161 min Scan# 645
Delta R.T. 0.006 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion:101 Resp: 6477

Ion	Ratio	Lower	Upper
101	100		
103	66.0	44.9	83.5
105	12.1	7.3	13.5

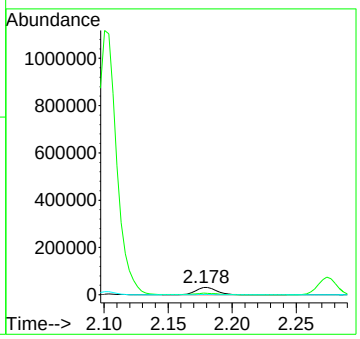


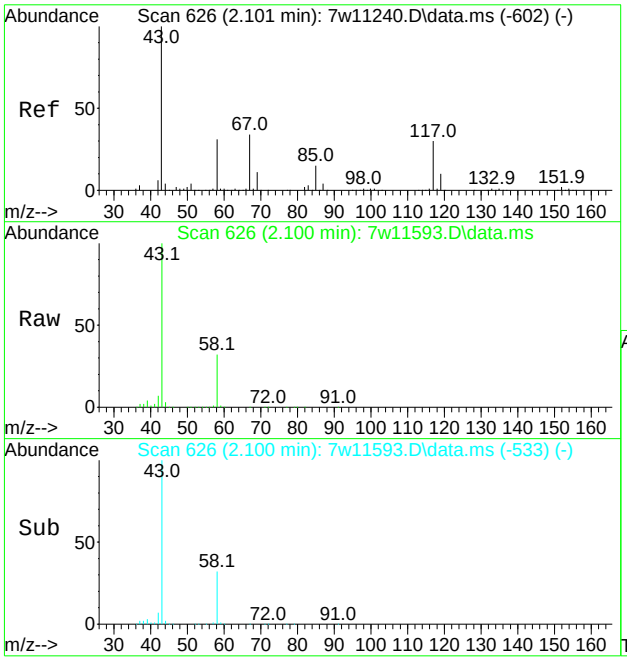


#22
ISOPROPYL ALCOHOL
Concen: 1.6302 PPBV
RT: 2.178 min Scan# 650
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 45 Resp: 35216

Ion	Ratio	Lower	Upper
45	100		
43	24.3	13.9	25.9
59	4.2	2.8	5.2

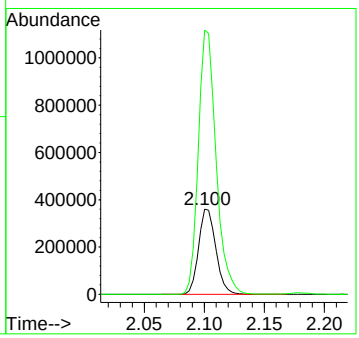


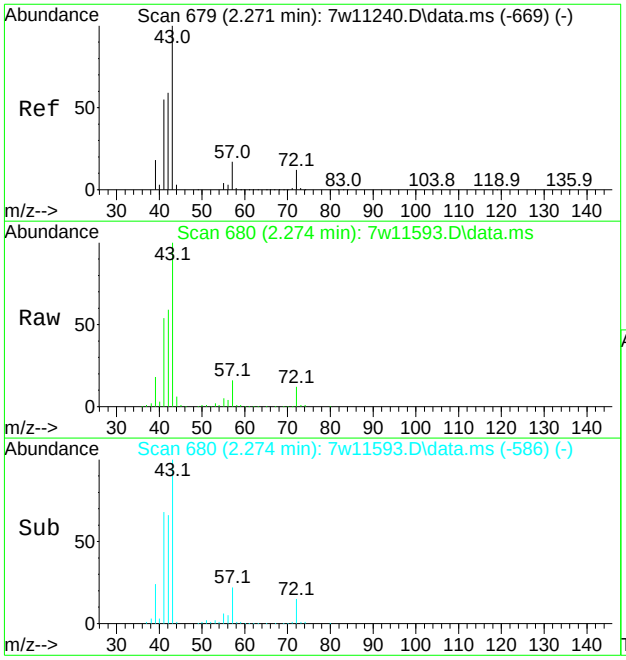


#23
ACETONE
Concen: 53.0110 PPBV
RT: 2.100 min Scan# 626
Delta R.T. -0.001 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 58 Resp: 359157

Ion	Ratio	Lower	Upper
58	100		
43	319.4	234.4	435.2

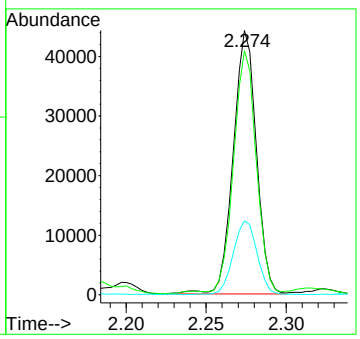


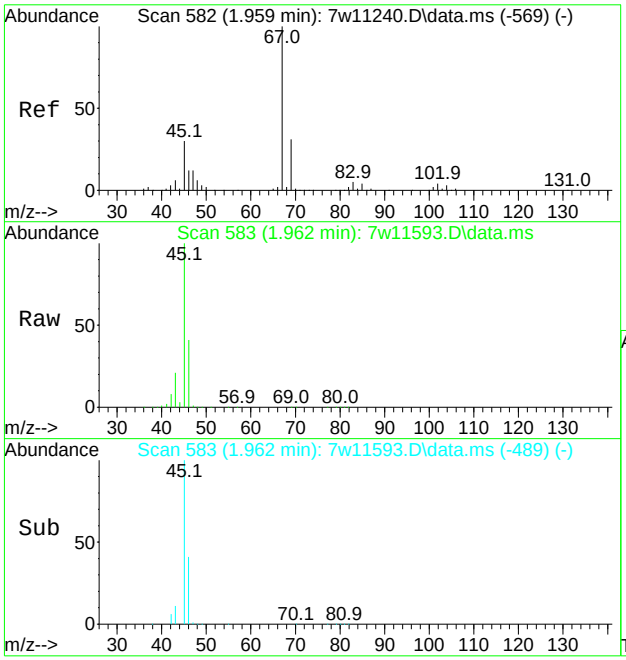


#24
PENTANE
Concen: 4.2896 PPBV
RT: 2.274 min Scan# 680
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 42 Resp: 44512

Ion	Ratio	Lower	Upper
42	100		
41	91.6	64.8	120.3
57	29.4	19.7	36.7

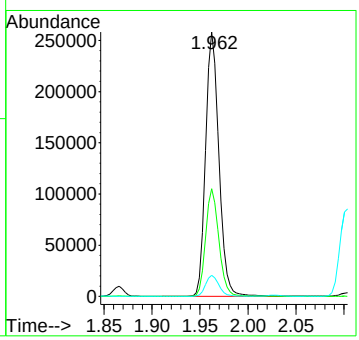


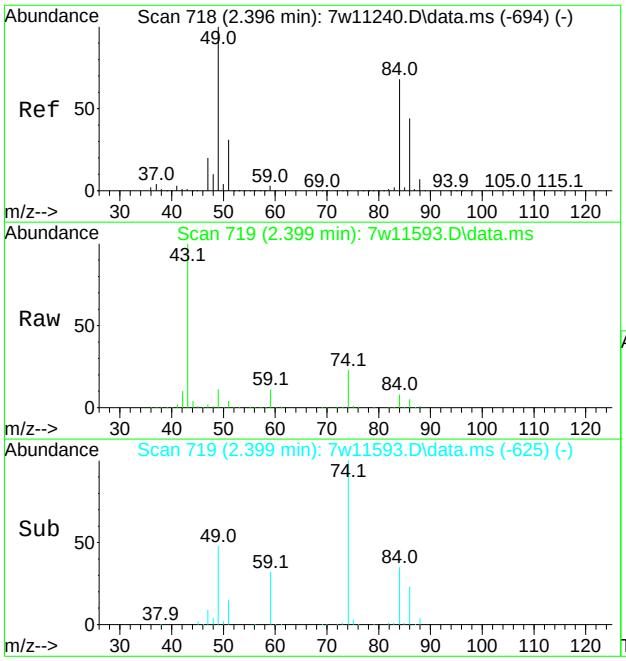


#28
ETHANOL
Concen: 42.1214 PPBV
RT: 1.962 min Scan# 583
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 45 Resp: 249093

Ion	Ratio	Lower	Upper
45	100		
46	40.6	28.6	53.0
42	8.0	6.3	11.7

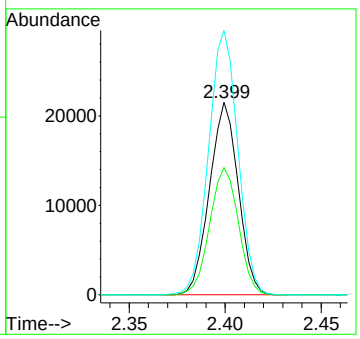


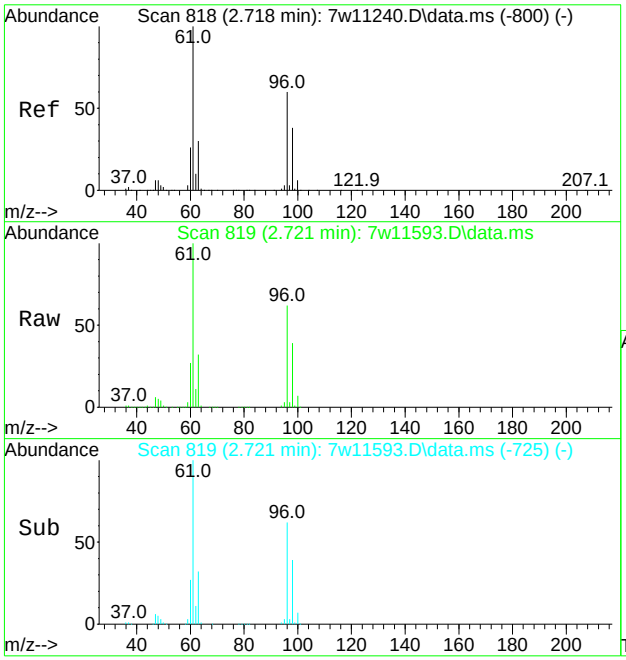


#31
METHYLENE CHLORIDE
Concen: 2.4276 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 84 Resp: 22406

Ion	Ratio	Lower	Upper
84	100		
86	66.0	46.0	85.4
49	139.7	103.9	192.9

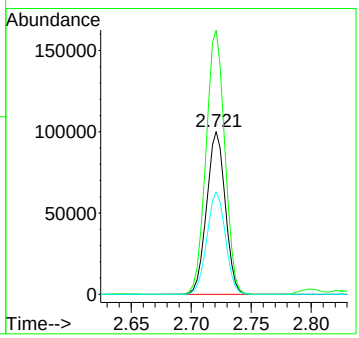


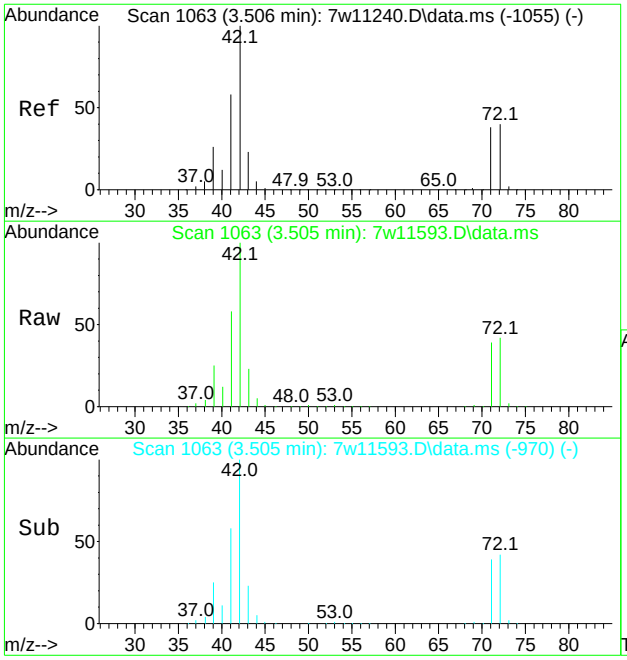


#34
TRANS-1,2-DICHLOROETHENE
Concen: 10.2214 PPBV
RT: 2.721 min Scan# 819
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 96 Resp: 107587

Ion	Ratio	Lower	Upper
96	100		
61	163.7	116.2	215.8
98	62.9	44.2	82.2

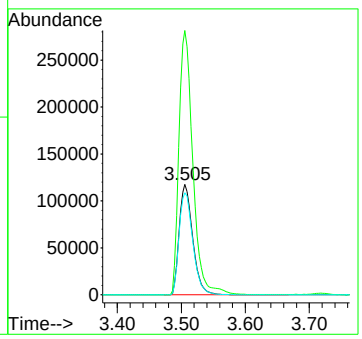


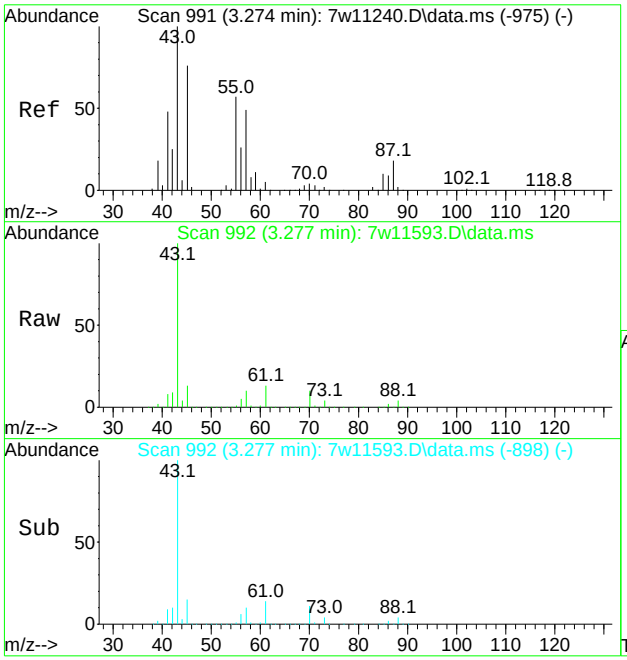


#37
TETRAHYDROFURAN
Concen: 36.7030 PPBV
RT: 3.505 min Scan# 1063
Delta R.T. -0.001 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 72 Resp: 171192

Ion	Ratio	Lower	Upper
72	100		
42	246.9	174.9	324.9
71	94.2	67.2	124.8

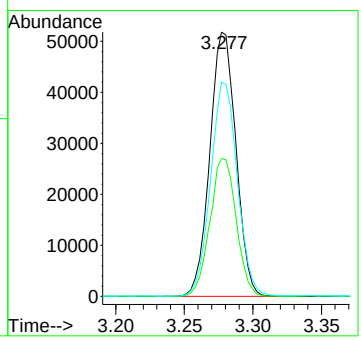


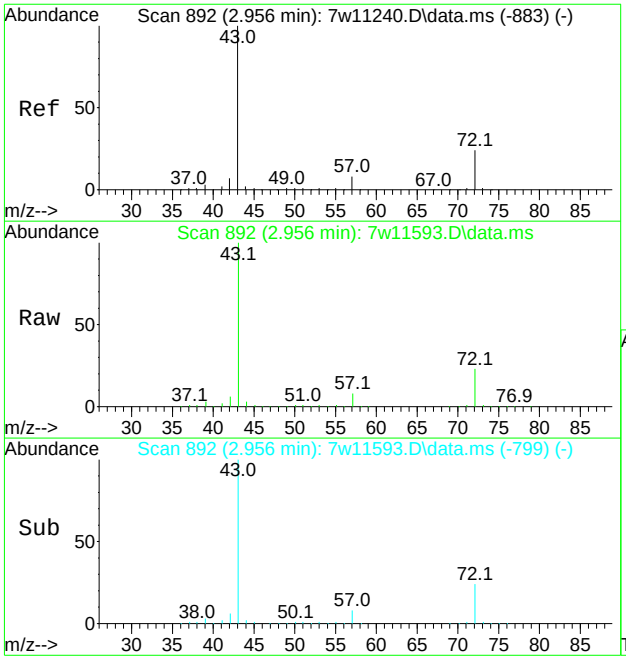


#38
HEXANE
Concen: 3.5671 PPBV
RT: 3.277 min Scan# 992
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 57 Resp: 68506

Ion	Ratio	Lower	Upper
57	100		
56	52.6	37.8	70.2
41	83.1	75.9	140.9

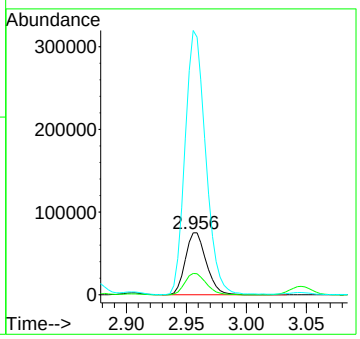


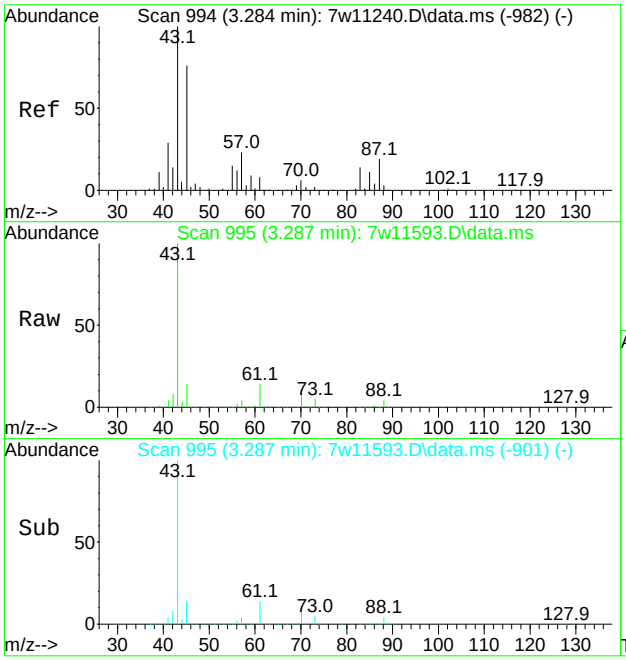


#41
METHYL ETHYL KETONE
Concen: 17.6042 PPBV
RT: 2.956 min Scan# 892
Delta R.T. -0.000 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 72 Resp: 91203

Ion	Ratio	Lower	Upper
72	100		
57	35.2	25.3	46.9
43	419.2	299.6	556.4

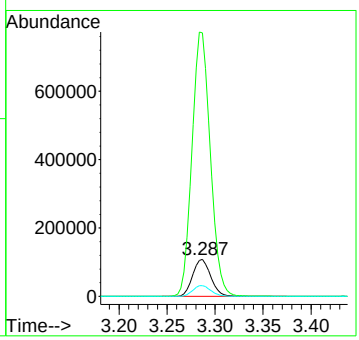


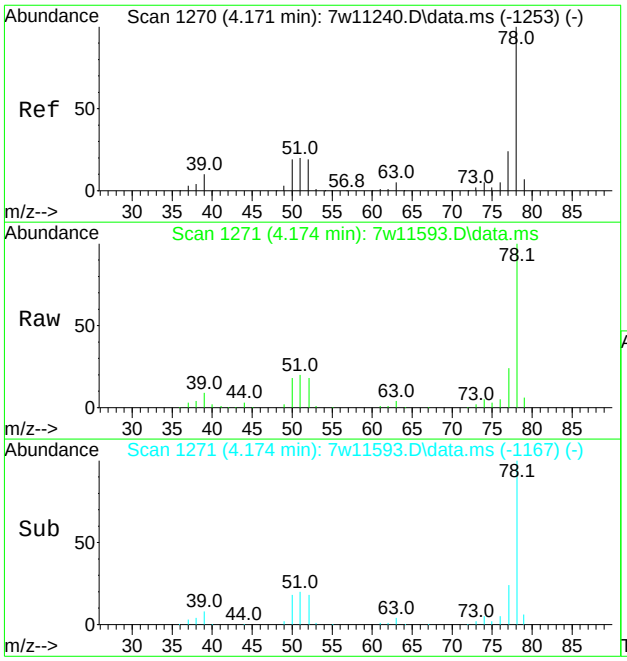


#44
ETHYL ACETATE
Concen: 38.4641 PPBV
RT: 3.287 min Scan# 995
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 61 Resp: 141533

Ion	Ratio	Lower	Upper
61	100		
43	727.0	1005.1	1866.5#
88	29.1	29.3	54.5#

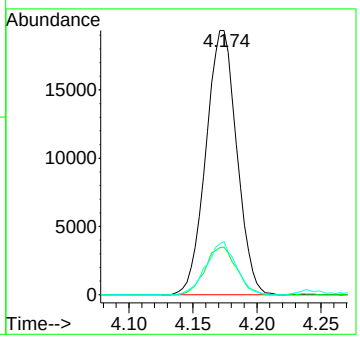


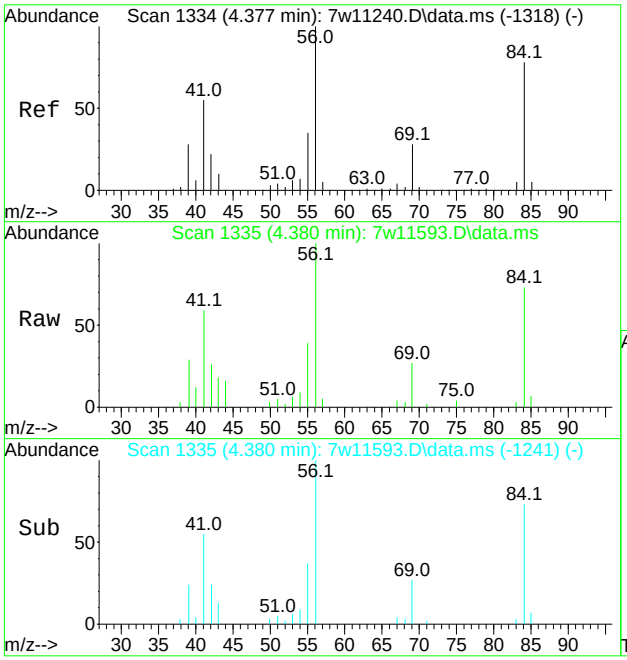


#51
BENZENE
Concen: 1.0419 PPBV
RT: 4.174 min Scan# 1271
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 78 Resp: 32448

Ion	Ratio	Lower	Upper
78	100		
52	18.3	0.0	48.9
51	19.5	0.0	50.2

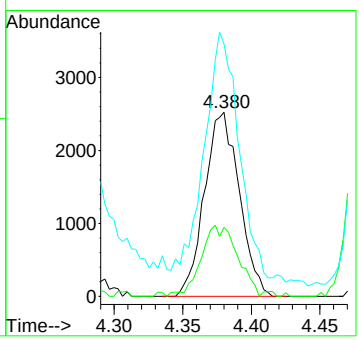


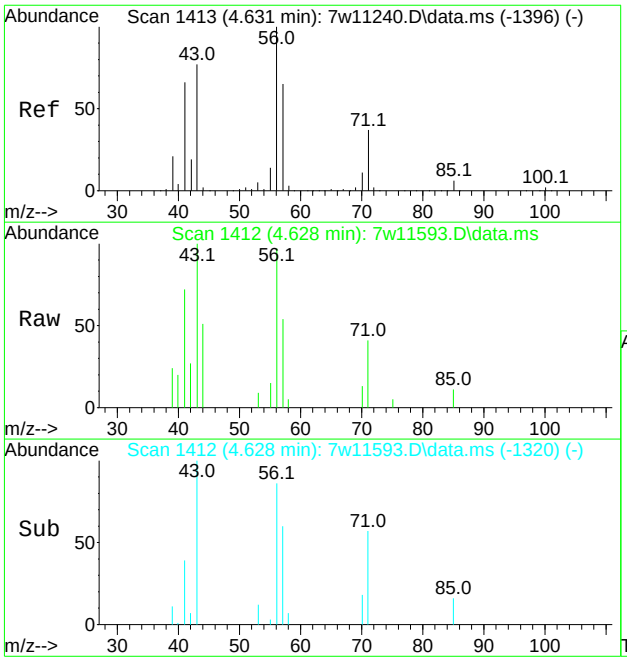


#53
CYCLOHEXANE
Concen: 0.3321 PPBV
RT: 4.380 min Scan# 1335
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 84 Resp: 4452

Ion	Ratio	Lower	Upper
84	100		
69	41.8	24.8	46.0
56	144.2	89.8	166.8

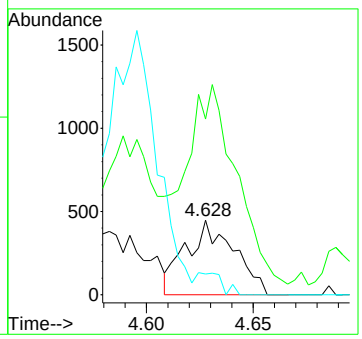


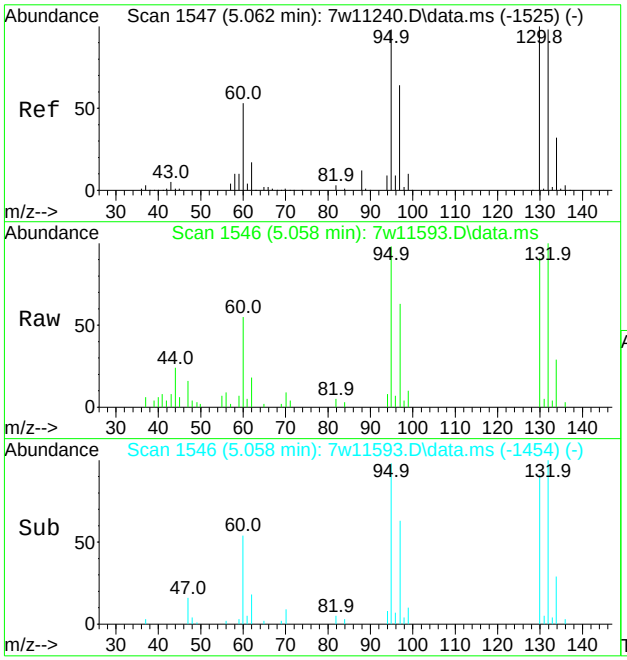


#54
2,3-DIMETHYLPENTANE
Concen: 0.0992 PPBV
RT: 4.628 min Scan# 1412
Delta R.T. -0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 71 Resp: 698

Ion	Ratio	Lower	Upper
71	100		
56	285.7	199.6	370.8
85	0.0	12.1	22.5#

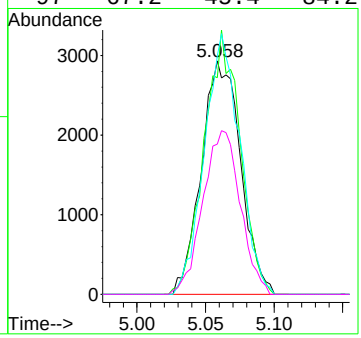


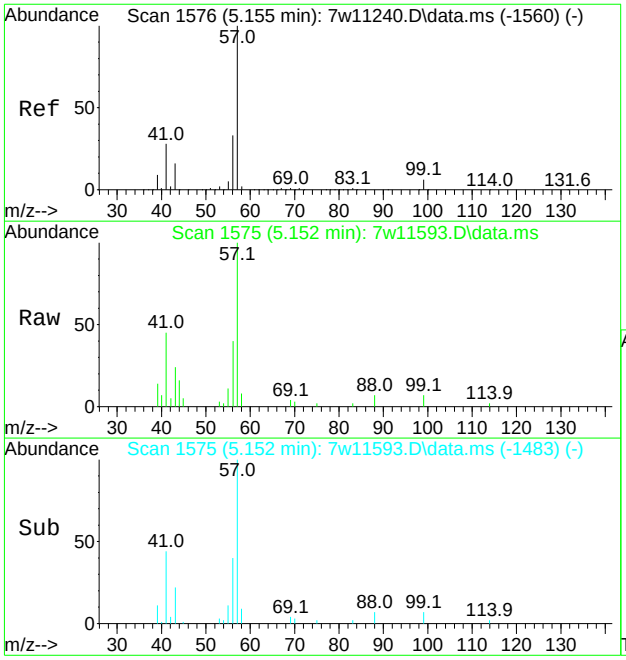


#55
TRICHLOROETHENE
Concen: 0.4035 PPBV
RT: 5.058 min Scan# 1546
Delta R.T. -0.004 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 95 Resp: 5819

Ion	Ratio	Lower	Upper
95	100		
130	103.6	72.8	135.2
132	101.3	71.9	133.5
97	67.2	45.4	84.2

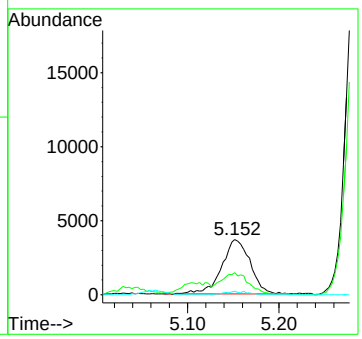


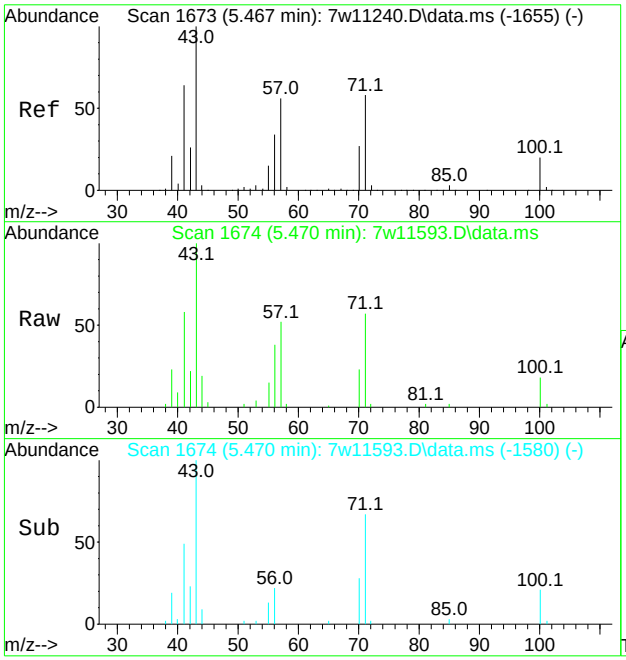


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1455 PPBV
RT: 5.152 min Scan# 1575
Delta R.T. -0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 57 Resp: 7939

Ion	Ratio	Lower	Upper
57	100		
56	38.4	22.7	42.1
99	4.8	3.9	7.3

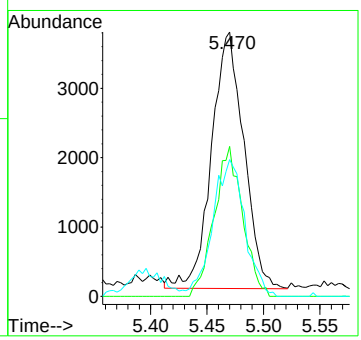


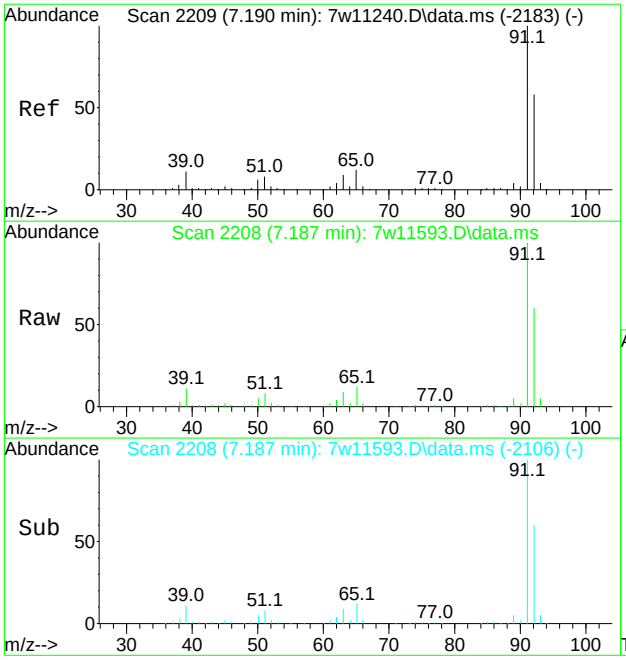


#62
HEPTANE
Concen: 0.3826 PPBV
RT: 5.470 min Scan# 1674
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 43 Resp: 7335

Ion	Ratio	Lower	Upper
43	100		
71	51.4	40.0	74.4
57	53.2	38.9	72.2

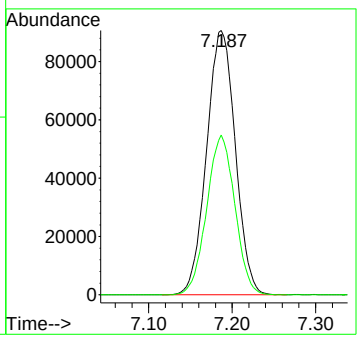


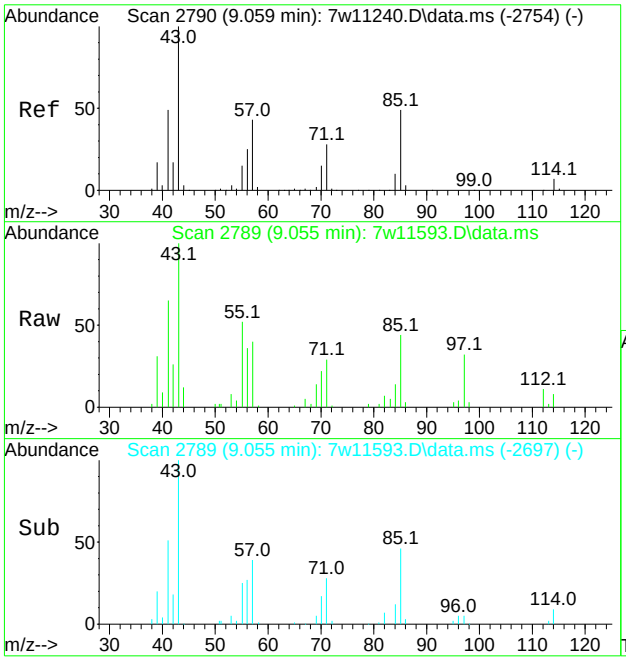


#66
TOLUENE
Concen: 5.4178 PPBV
RT: 7.187 min Scan# 2208
Delta R.T. -0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 91 Resp: 217204

Ion	Ratio	Lower	Upper
91	100		
92	59.1	29.0	89.0

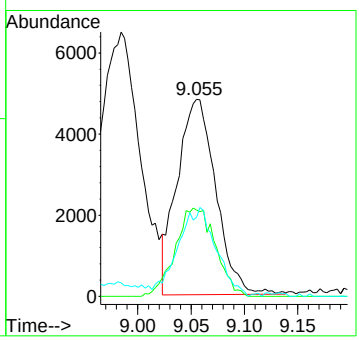


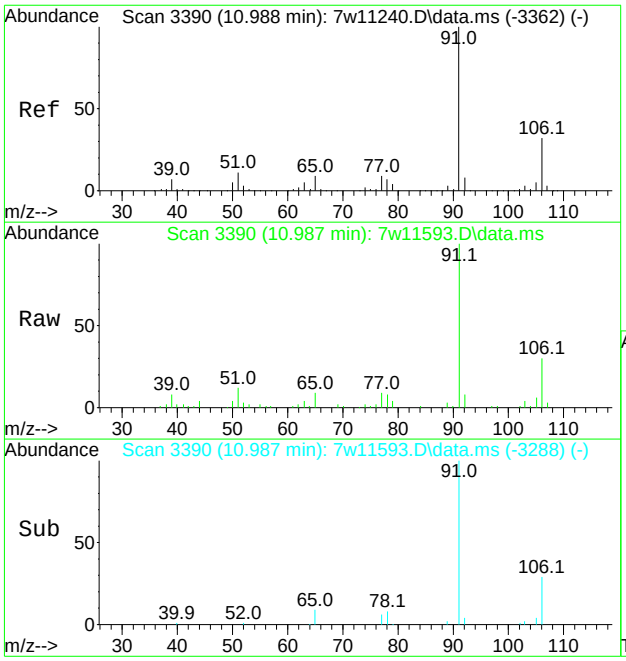


#75
OCTANE
Concen: 0.4460 PPBV
RT: 9.055 min Scan# 2789
Delta R.T. -0.004 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 43 Resp: 12117

Ion	Ratio	Lower	Upper
43	100		
85	46.8	33.9	63.0
57	47.1	30.0	55.8

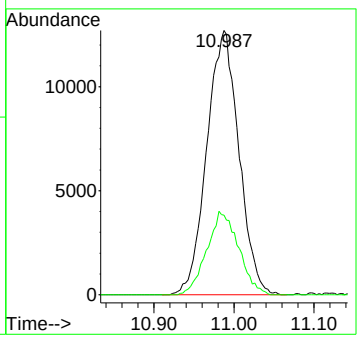


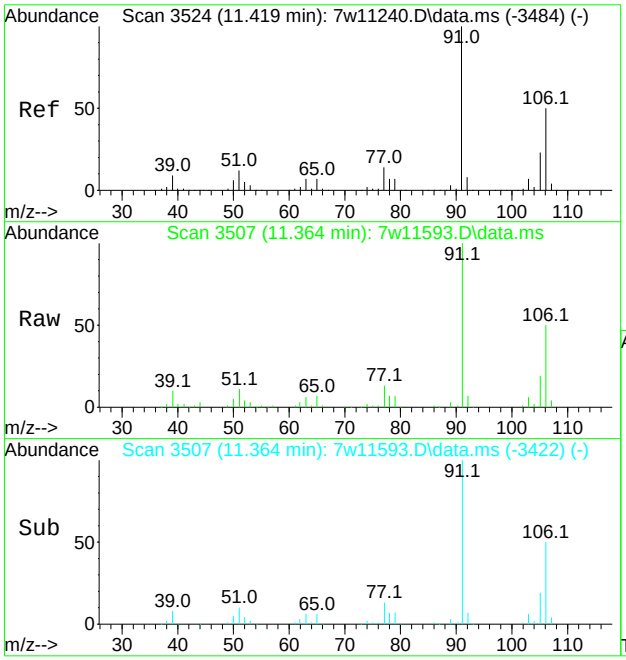


#79
ETHYLBENZENE
Concen: 0.6592 PPBV
RT: 10.987 min Scan# 3390
Delta R.T. -0.001 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 91 Resp: 35394

Ion	Ratio	Lower	Upper
91	100		
106	31.1	1.6	61.6

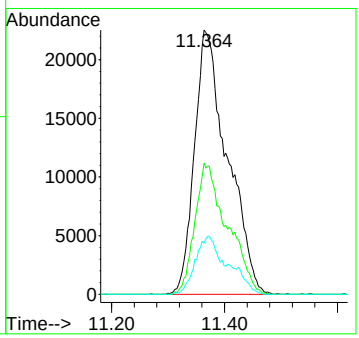


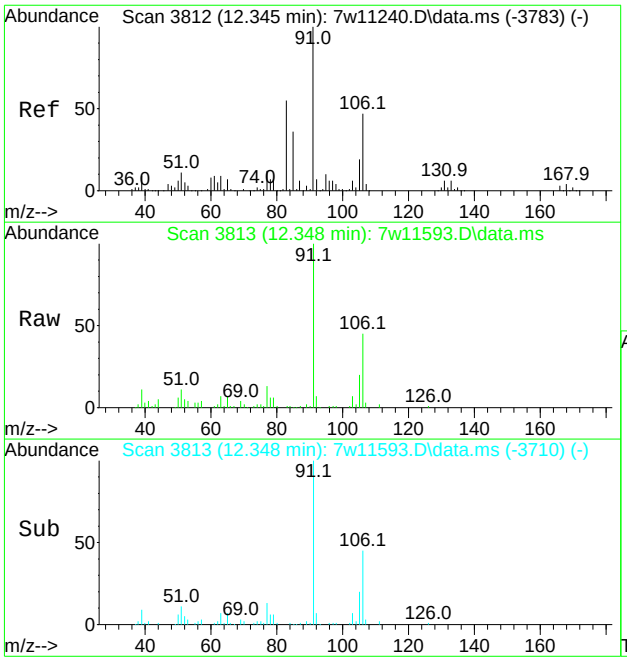


#80
M,P-XYLENE
Concen: 2.1666 PPBV
RT: 11.364 min Scan# 3507
Delta R.T. -0.055 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 91 Resp: 91192

Ion	Ratio	Lower	Upper
91	100		
106	48.9	0.0	55.5
105	21.7	0.0	41.7

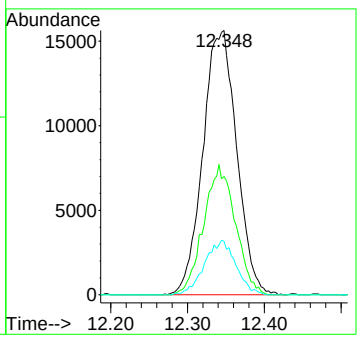


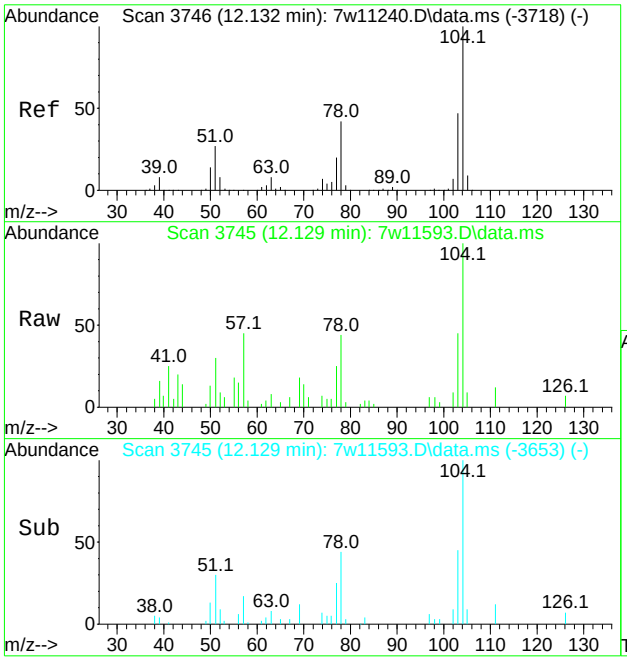


#81
O-XYLENE
Concen: 1.1315 PPBV
RT: 12.348 min Scan# 3813
Delta R.T. 0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 91 Resp: 47829

Ion	Ratio	Lower	Upper
91	100		
106	44.7	32.7	60.7
105	20.3	13.2	24.6

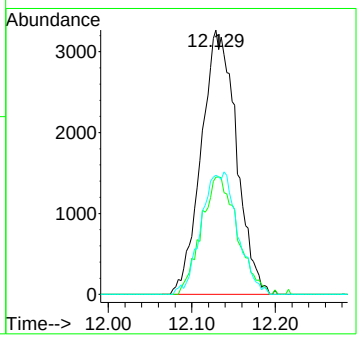


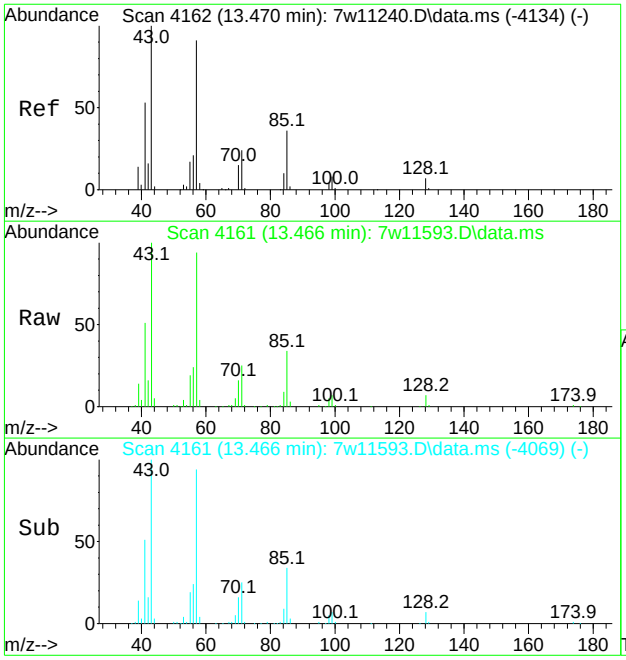


#82
STYRENE
Concen: 0.3153 PPBV
RT: 12.129 min Scan# 3745
Delta R.T. -0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion:104 Resp: 9546

Ion	Ratio	Lower	Upper
104	100		
78	45.8	30.0	55.6
103	48.0	33.0	61.4

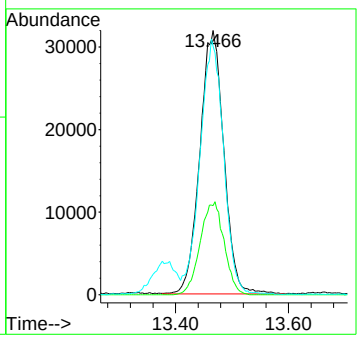


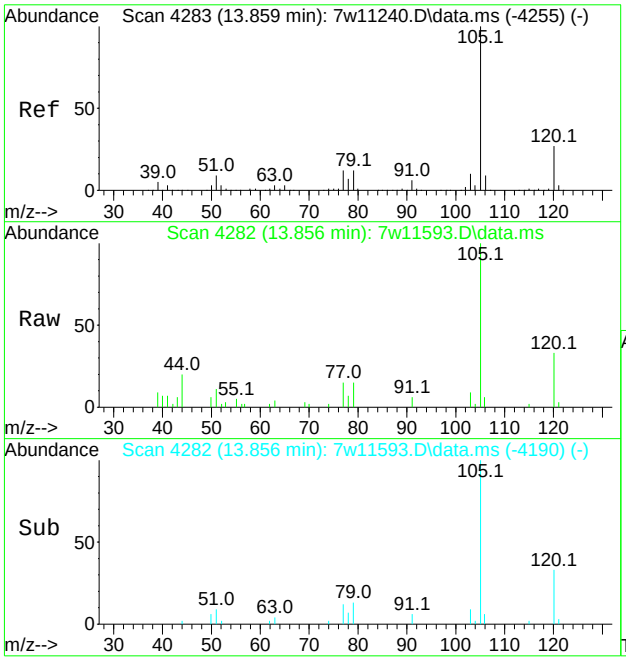


#83
NONANE
Concen: 3.2308 PPBV
RT: 13.466 min Scan# 4161
Delta R.T. -0.004 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion: 43 Resp: 93809

Ion	Ratio	Lower	Upper
43	100		
85	35.3	25.0	46.4
57	95.8	65.7	122.1

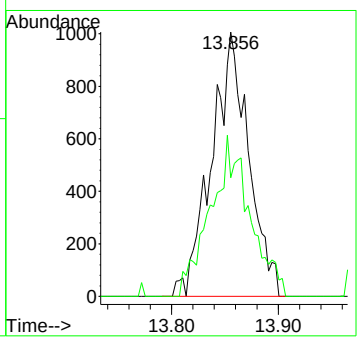


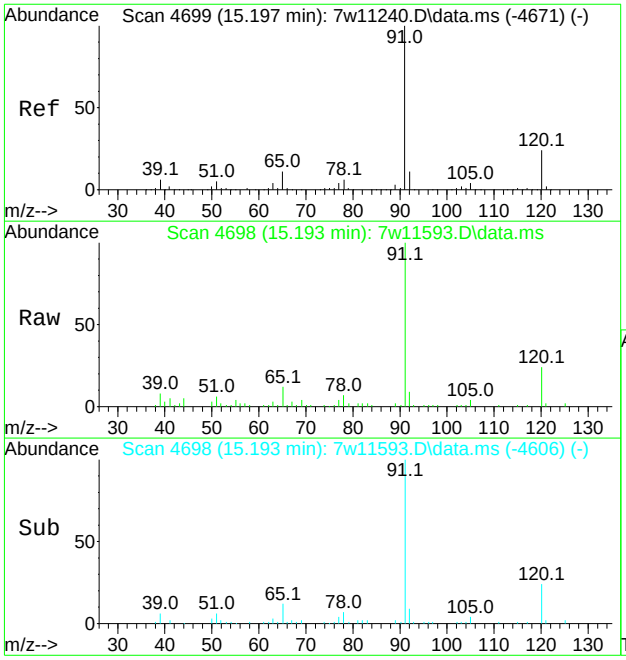


#88
ISOPROPYLBENZENE
Concen: 0.1504 PPBV
RT: 13.856 min Scan# 4282
Delta R.T. -0.003 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion:120 Resp: 2429

Ion	Ratio	Lower	Upper
120	100		
77	64.5	39.9	74.1

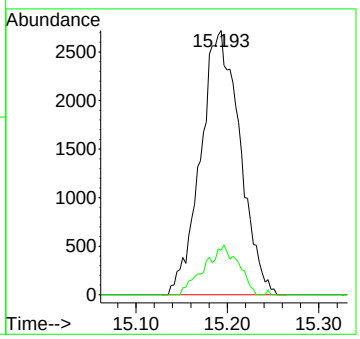


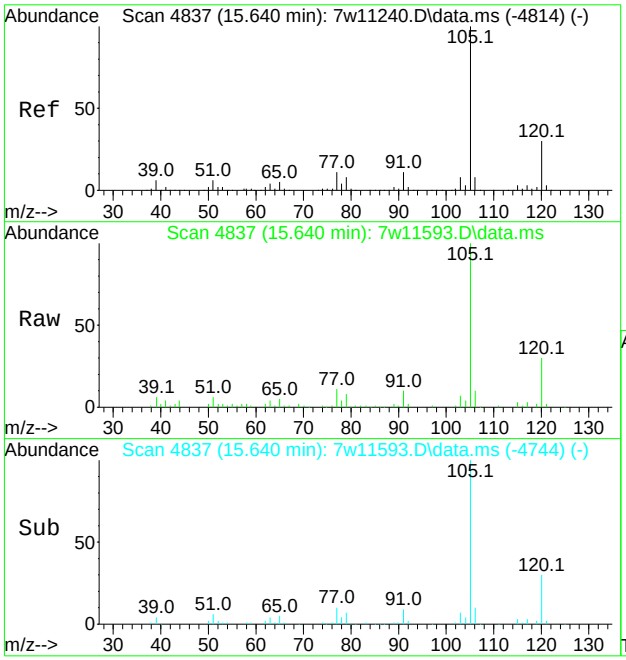


#91
N-PROPYLBENZENE
Concen: 0.4948 PPBV
RT: 15.193 min Scan# 4698
Delta R.T. -0.004 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion:120 Resp: 8099

Ion	Ratio	Lower	Upper
120	100		
105	16.3	11.3	20.9

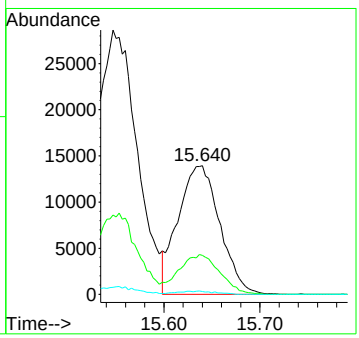


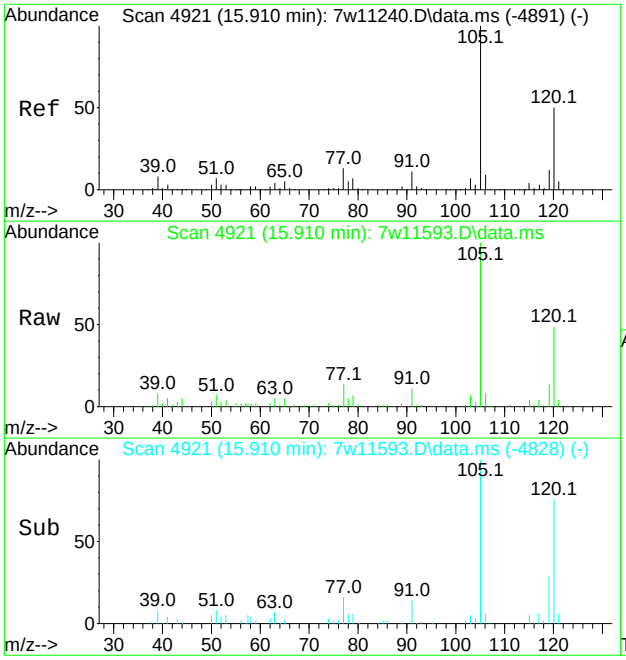


#92
4-ETHYLTOLUENE
Concen: 0.7196 PPBV
RT: 15.640 min Scan# 4837
Delta R.T. 0.000 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion:105 Resp: 42247

Ion	Ratio	Lower	Upper
105	100		
120	30.3	21.1	39.1
119	2.3	1.6	3.0

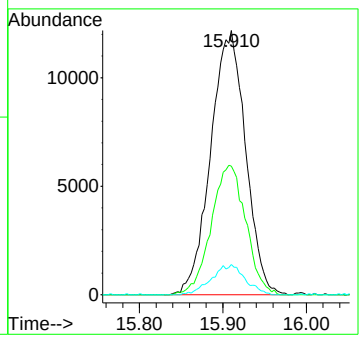


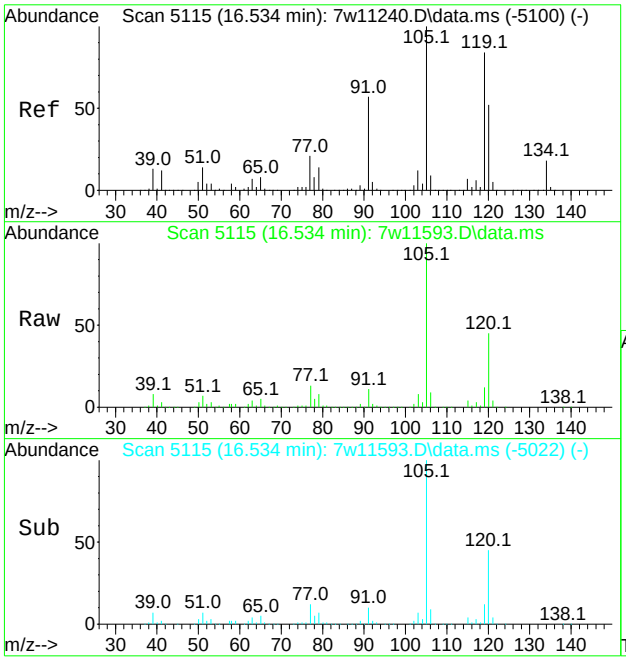


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.7143 PPBV
RT: 15.910 min Scan# 4921
Delta R.T. 0.000 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion:105 Resp: 35290

Ion	Ratio	Lower	Upper
105	100		
120	48.7	34.9	64.7
91	11.0	7.5	13.9

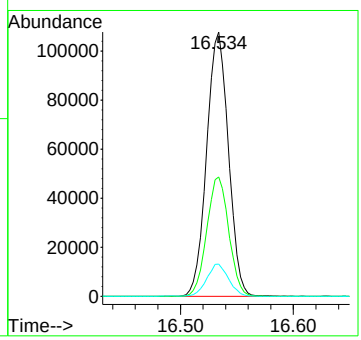


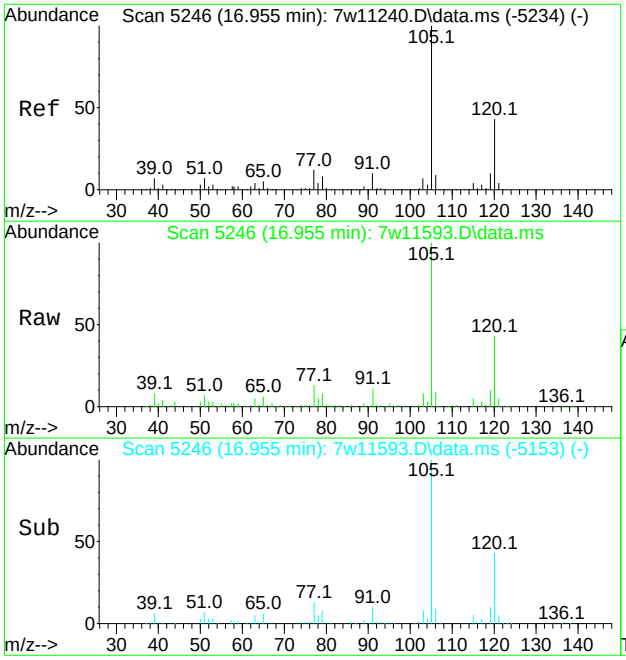


#96
1,2,4-TRIMETHYLBENZENE
Concen: 2.8871 PPBV
RT: 16.534 min Scan# 5115
Delta R.T. -0.000 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion:105 Resp: 143880

Ion	Ratio	Lower	Upper
105	100		
120	45.7	38.8	72.0
119	12.4	74.3	137.9#

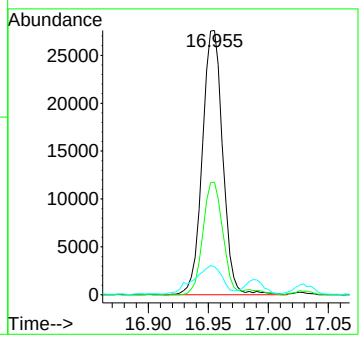


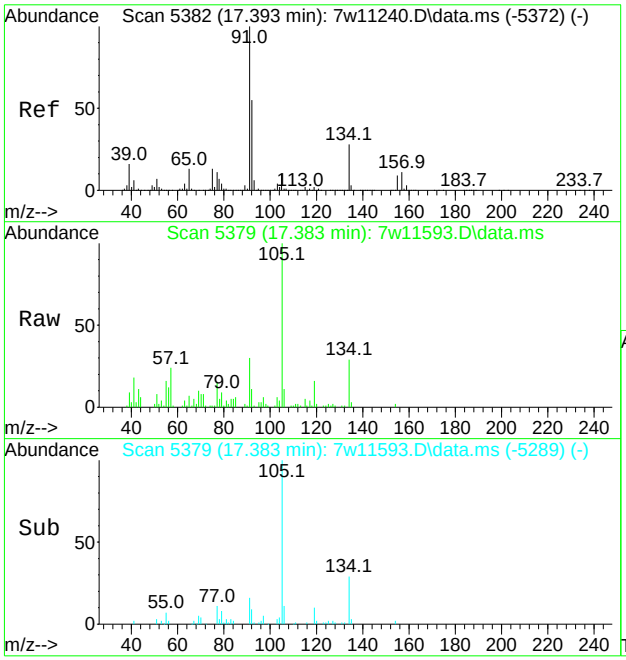


#102
1,2,3-TRIMETHYLBENZENE
Concen: 0.6553 PPBV
RT: 16.955 min Scan# 5246
Delta R.T. 0.000 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion:105 Resp: 32711

Ion	Ratio	Lower	Upper
105	100		
120	43.3	30.2	56.2
91	14.6	7.1	13.3#

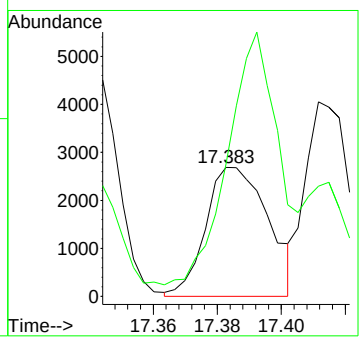


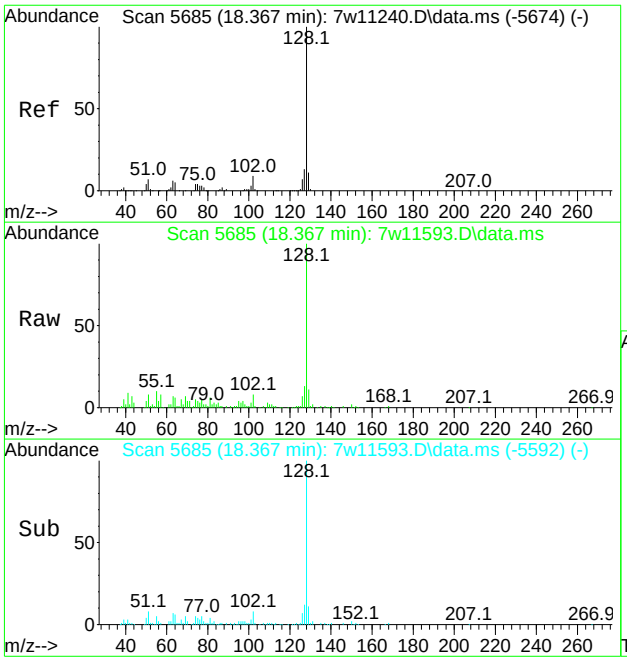


#104
N-BUTYLBENZENE
Concen: 0.2283 PPBV
RT: 17.383 min Scan# 5379
Delta R.T. -0.010 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion:134 Resp: 3644

Ion	Ratio	Lower	Upper
134	100		
91	215.2	253.1	470.0#

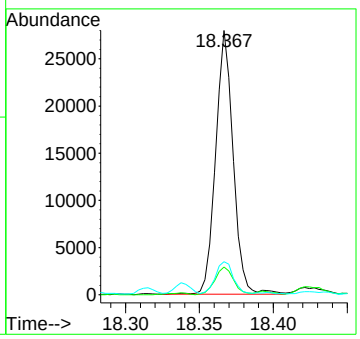




#108
NAPHTHALENE
Concen: 0.3780 PPBV
RT: 18.367 min Scan# 5685
Delta R.T. -0.000 min
Lab File: 7w11593.D
Acq: 8 Jan 2025 7:37 pm

Tgt Ion:128 Resp: 23018

Ion	Ratio	Lower	Upper
128	100		
129	13.5	7.6	14.2
127	12.6	8.9	16.5



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\10 Jan 2025\v7w416\
Data File : 7w11616.D
Acq On : 9 Jan 2025 12:07 pm
Operator : benk
Sample : je3522-5 Inst : MS7W
Misc : MS88628,v7w416,250,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 09 23:41:27 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

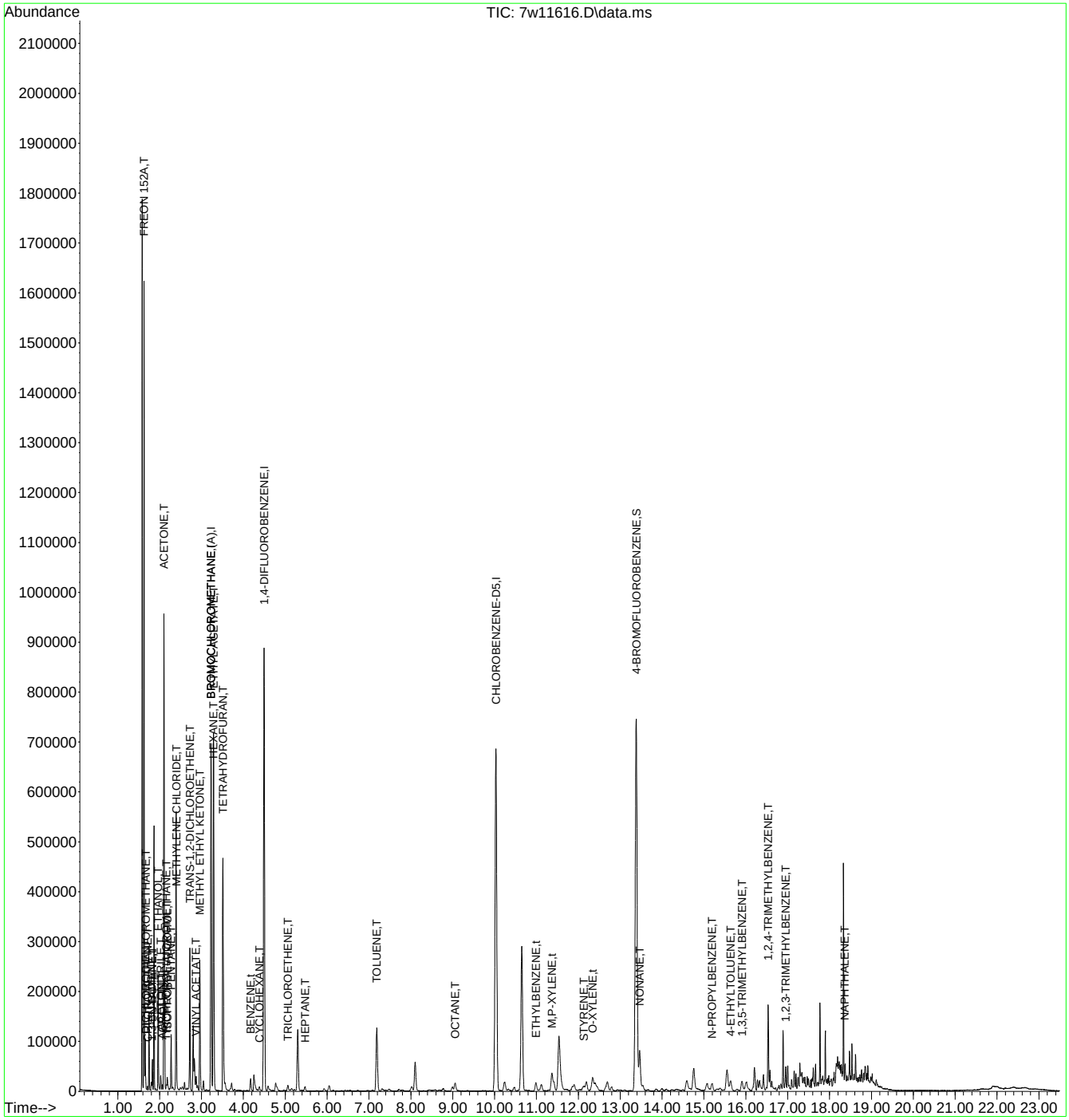
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	139054	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	666464	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	635624	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	139054	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	468251	10.15	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	300024	45.3077	PPBV	98
6) DICHLORODIFLUOROMETHANE	1.666	85	7819	0.2255	PPBV #	94
10) CHLOROMETHANE	1.711	52	894	0.2484	PPBV	97
12) 1,3-BUTADIENE	1.811	54	1523	0.1537	PPBV #	28
13) N-BUTANE	1.827	43	24816	1.3760	PPBV #	97
17) ACETONITRILE	2.026	41	15540	1.3905	PPBV	99
18) ACROLEIN	2.065	56	5091	0.8673	PPBV	99
21) TRICHLOROFLUOROMETHANE	2.158	101	3934	0.1288	PPBV	98
22) ISOPROPYL ALCOHOL	2.181	45	18988	0.7371	PPBV	91
23) ACETONE	2.103	58	193460	23.9456	PPBV	92
24) PENTANE	2.274	42	23194	1.8744	PPBV	98
28) ETHANOL	1.962	45	131064	18.5856	PPBV	99
31) METHYLENE CHLORIDE	2.399	84	13389	1.2165	PPBV	89
34) TRANS-1,2-DICHLOROETHENE	2.721	96	62686	4.9943	PPBV	93
37) TETRAHYDROFURAN	3.509	72	94683	17.0233	PPBV	91
38) HEXANE	3.280	57	36395	1.5892	PPBV	83
39) VINYL ACETATE	2.866	86	1537	0.4524	PPBV #	23
41) METHYL ETHYL KETONE	2.959	72	50902	8.2394	PPBV	86
44) ETHYL ACETATE	3.287	61	75539	17.2156	PPBV #	1
51) BENZENE	4.174	78	18083	0.4869	PPBV	99
53) CYCLOHEXANE	4.380	84	2488	0.1580	PPBV	76
55) TRICHLOROETHENE	5.058	95	3455	0.2039	PPBV	98
62) HEPTANE	5.470	43	3706	0.1645	PPBV	99
66) TOLUENE	7.187	91	124879	2.6518	PPBV	99
75) OCTANE	9.055	43	6189	0.1939	PPBV	96
79) ETHYLBENZENE	10.987	91	20162	0.3220	PPBV	100
80) M,P-XYLENE	11.367	91	51450	1.0484	PPBV	60
81) O-XYLENE	12.338	91	27499	0.5579	PPBV	99
82) STYRENE	12.132	104	5392	0.1527	PPBV	99
83) NONANE	13.463	43	48653	1.4371	PPBV	96
91) N-PROPYLBENZENE	15.190	120	4777	0.2503	PPBV	97
92) 4-ETHYLTOLUENE	15.640	105	24531	0.3584	PPBV	96
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	19862	0.3448	PPBV	99
96) 1,2,4-TRIMETHYLBENZENE	16.531	105	82084	1.4126	PPBV #	36
102) 1,2,3-TRIMETHYLBENZENE	16.952	105	19265	0.3310	PPBV #	97
108) NAPHTHALENE	18.363	128	12339	0.1738	PPBV	96

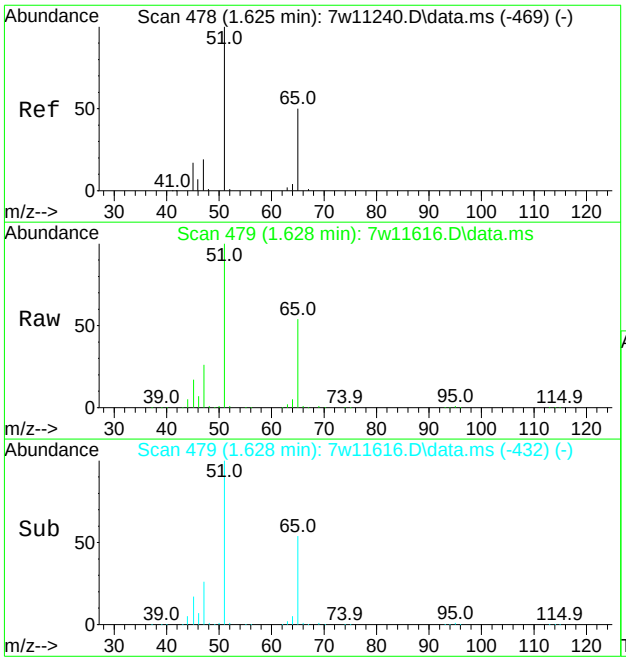
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\10 Jan 2025\v7w416\
Data File : 7w11616.D
Acq On : 9 Jan 2025 12:07 pm
Operator : benk
Sample : je3522-5 Inst : MS7W
Misc : MS88628,v7w416,250,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 09 23:41:27 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

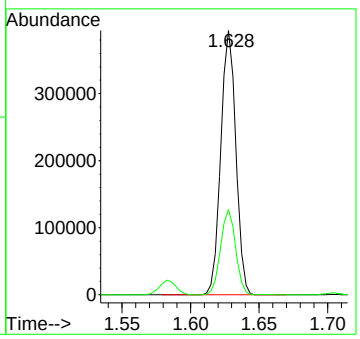


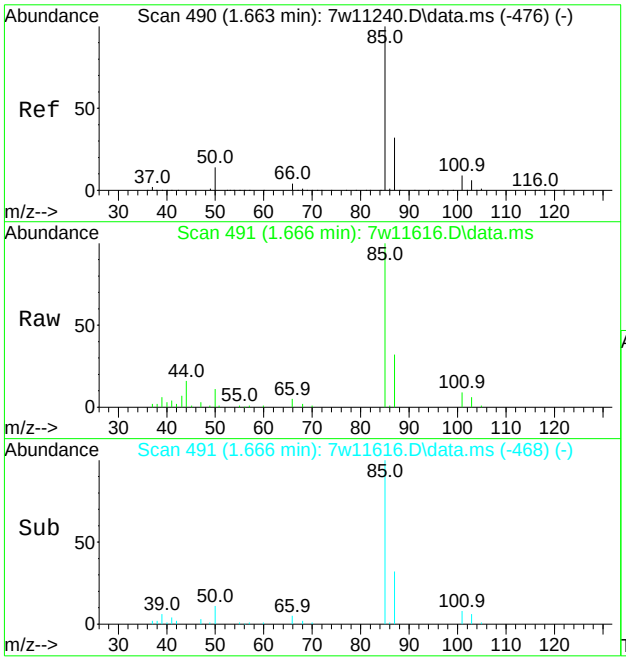


#3
FREON 152A
Concen: 45.3077 PPBV
RT: 1.628 min Scan# 479
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 65 Resp: 300024

Ion	Ratio	Lower	Upper
65	100		
45	32.3	23.5	43.7

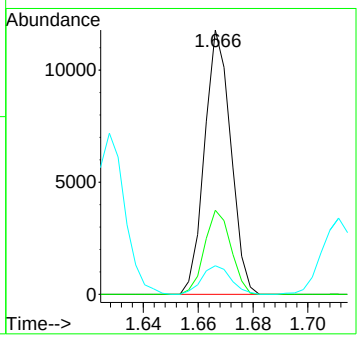


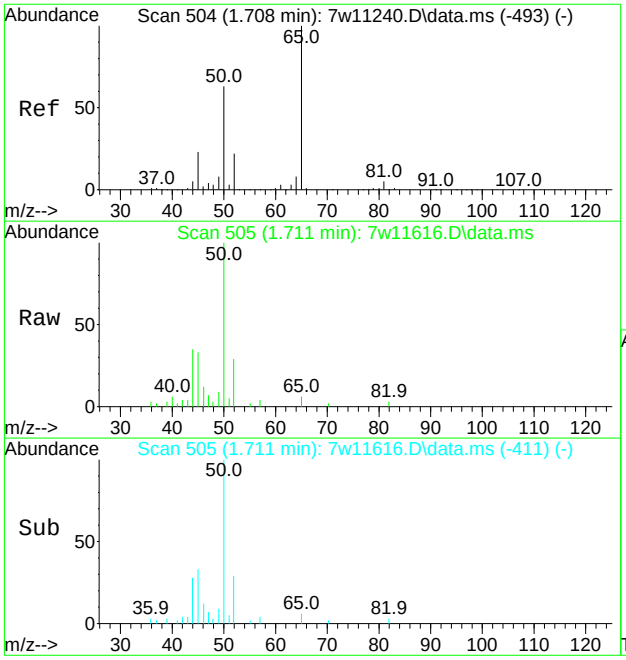


#6
DICHLORODIFLUOROMETHANE
Concen: 0.2255 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 85 Resp: 7819

Ion	Ratio	Lower	Upper
85	100		
87	32.0	22.5	41.7
50	12.1	13.8	25.6#

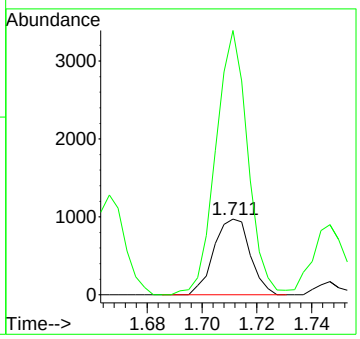


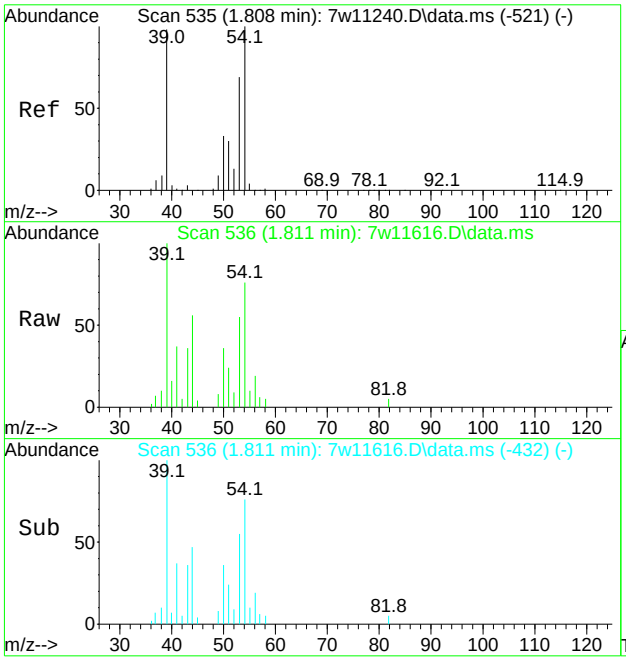


#10
CHLOROMETHANE
Concen: 0.2484 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 52 Resp: 894

Ion	Ratio	Lower	Upper
52	100		
50	308.5	220.1	408.8

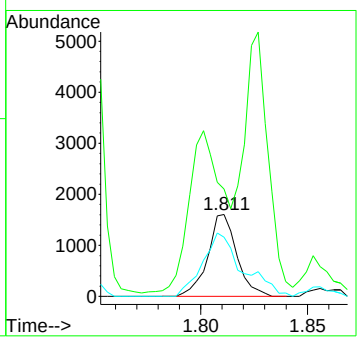


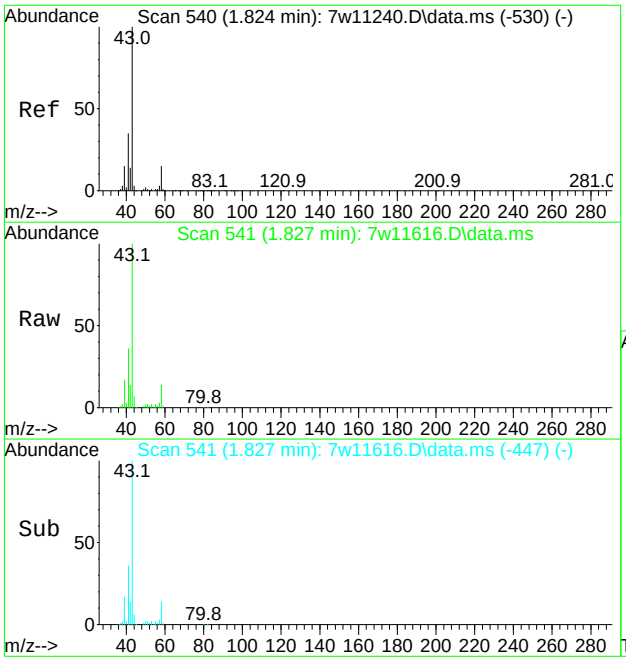


#12
1,3-BUTADIENE
Concen: 0.1537 PPBV
RT: 1.811 min Scan# 536
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 54 Resp: 1523

Ion	Ratio	Lower	Upper
54	100		
39	229.4	98.3	158.3#
53	107.0	41.0	101.0#

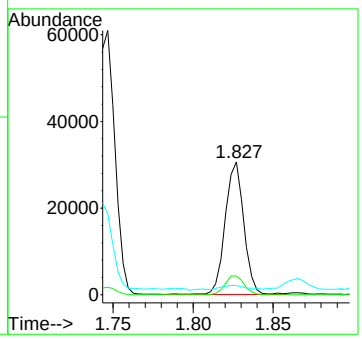


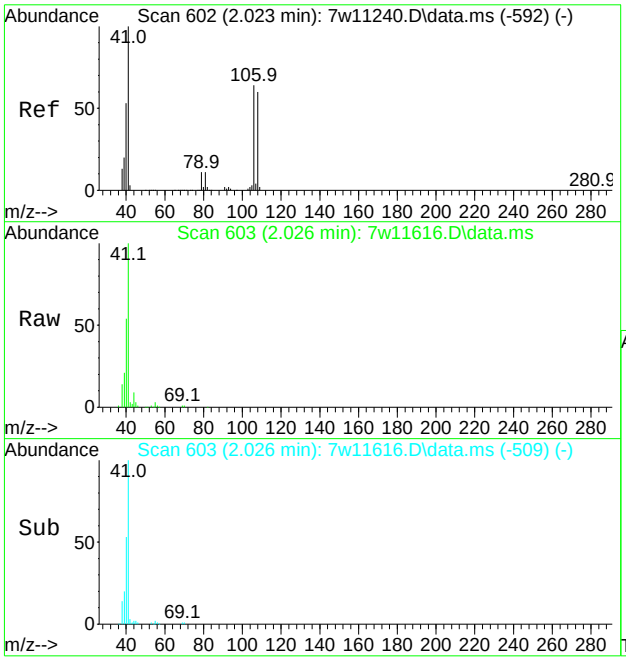


#13
N-BUTANE
Concen: 1.3760 PPBV
RT: 1.827 min Scan# 541
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 43 Resp: 24816

Ion	Ratio	Lower	Upper
43	100		
58	14.8	10.4	19.2
44	8.9	3.0	5.6#

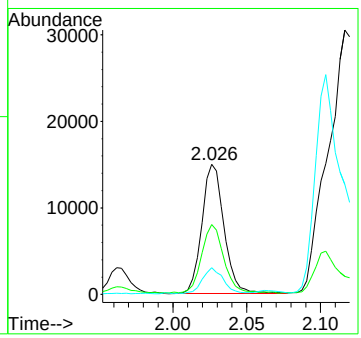


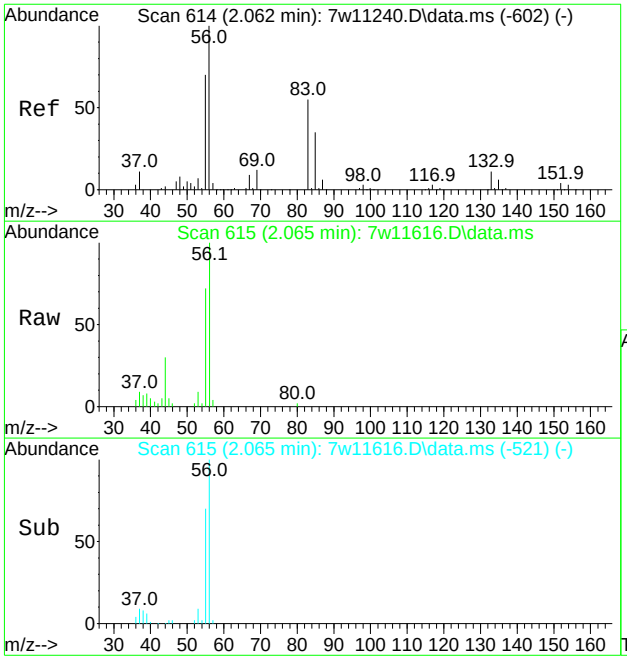


#17
ACETONITRILE
Concen: 1.3905 PPBV
RT: 2.026 min Scan# 603
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 41 Resp: 15540

Ion	Ratio	Lower	Upper
41	100		
40	53.5	37.9	70.5
39	19.4	13.8	25.6

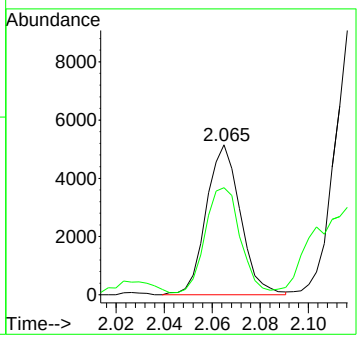


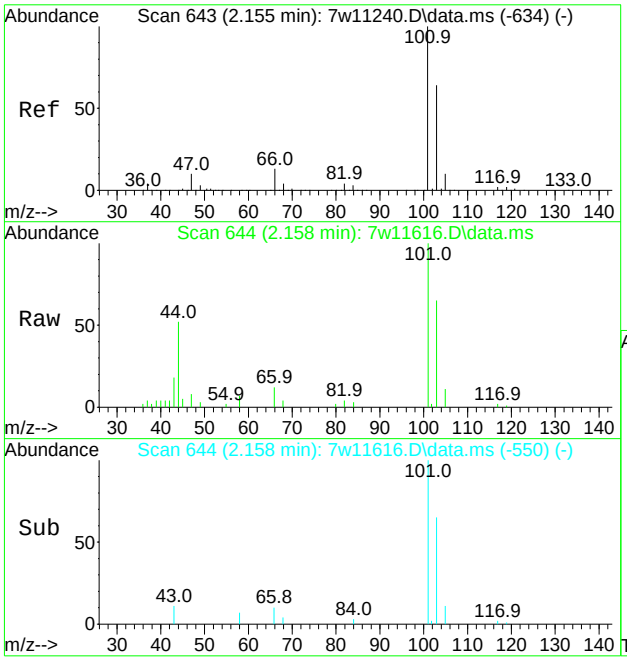


#18
ACROLEIN
Concen: 0.8673 PPBV
RT: 2.065 min Scan# 615
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 56 Resp: 5091

Ion	Ratio	Lower	Upper
56	100		
55	70.7	50.3	93.3

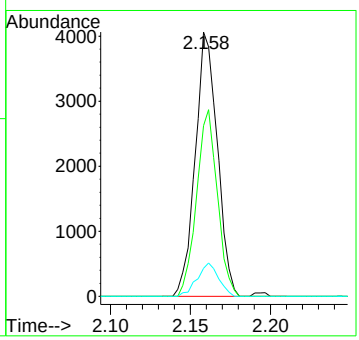


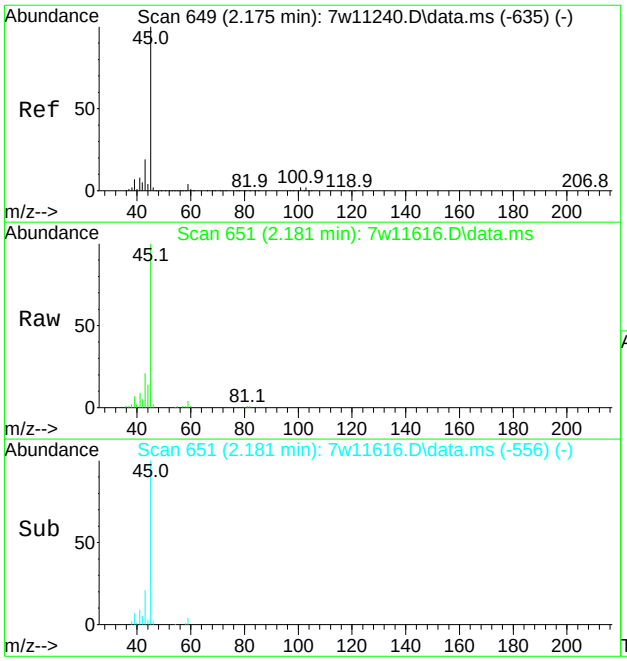


#21
TRICHLOROFLUOROMETHANE
Concen: 0.1288 PPBV
RT: 2.158 min Scan# 644
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion:101 Resp: 3934

Ion	Ratio	Lower	Upper
101	100		
103	65.8	44.9	83.5
105	12.1	7.3	13.5

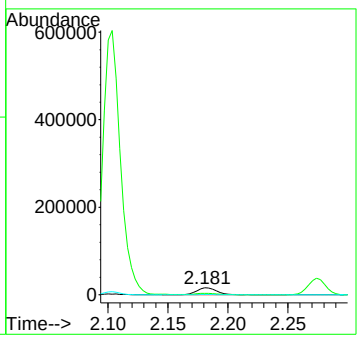


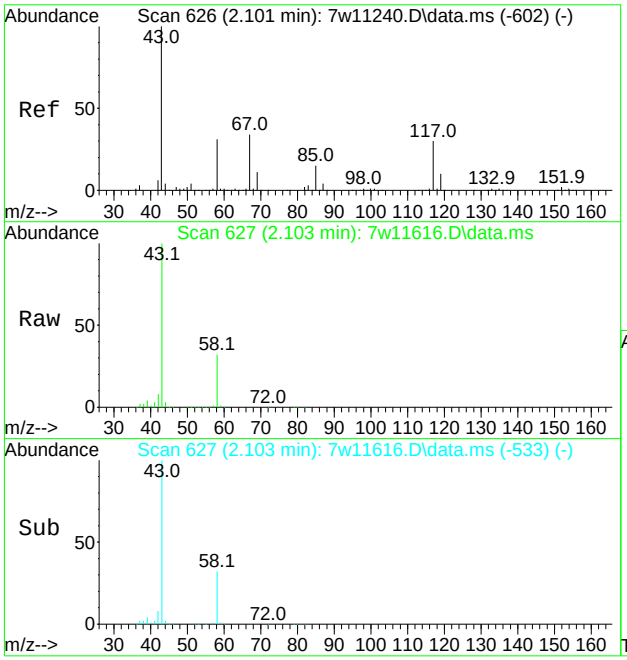


#22
ISOPROPYL ALCOHOL
Concen: 0.7371 PPBV
RT: 2.181 min Scan# 651
Delta R.T. 0.006 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 45 Resp: 18988

Ion	Ratio	Lower	Upper
45	100		
43	25.0	13.9	25.9
59	3.9	2.8	5.2

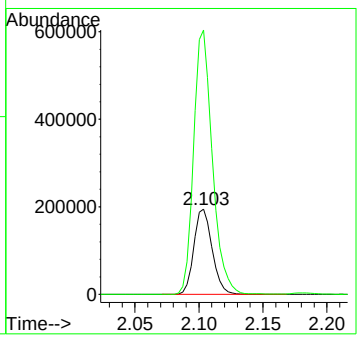


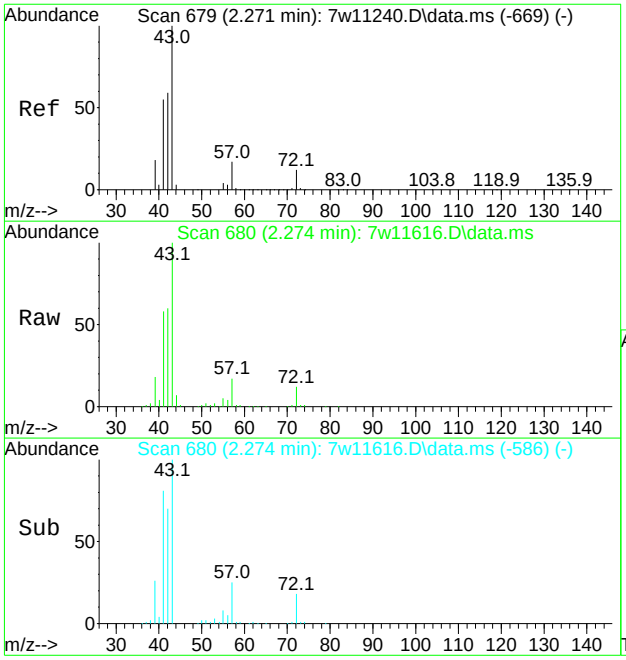


#23
ACETONE
Concen: 23.9456 PPBV
RT: 2.103 min Scan# 627
Delta R.T. 0.002 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 58 Resp: 193460

Ion	Ratio	Lower	Upper
58	100		
43	317.4	234.4	435.2

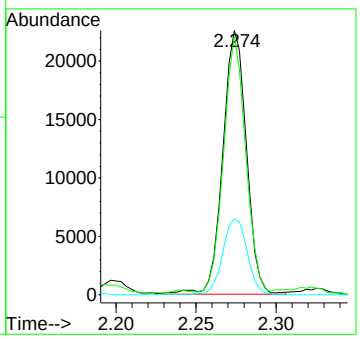


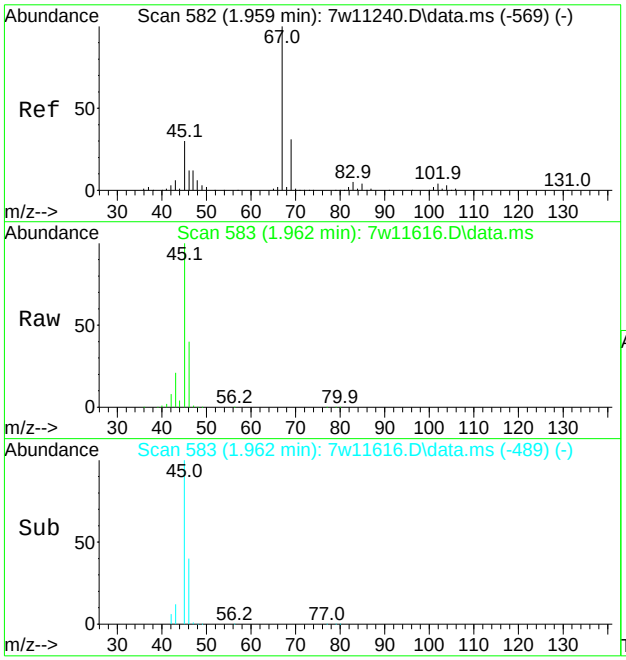


#24
PENTANE
Concen: 1.8744 PPBV
RT: 2.274 min Scan# 680
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 42 Resp: 23194

Ion	Ratio	Lower	Upper
42	100		
41	93.7	64.8	120.3
57	29.9	19.7	36.7

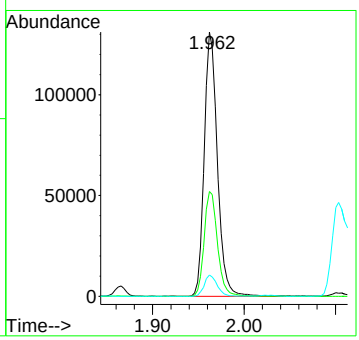


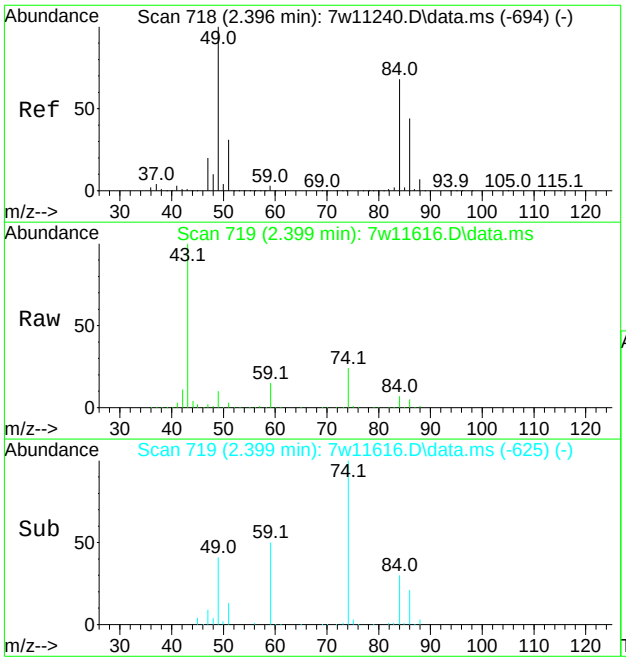


#28
ETHANOL
Concen: 18.5856 PPBV
RT: 1.962 min Scan# 583
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 45 Resp: 131064

Ion	Ratio	Lower	Upper
45	100		
46	40.4	28.6	53.0
42	7.9	6.3	11.7

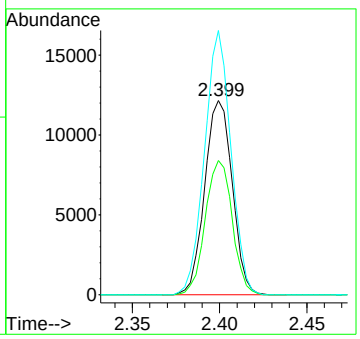


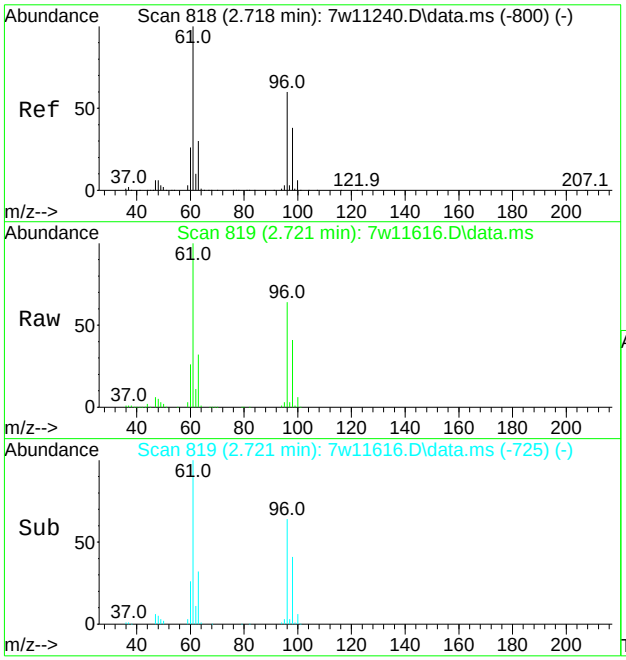


#31
METHYLENE CHLORIDE
Concen: 1.2165 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 84 Resp: 13389

Ion	Ratio	Lower	Upper
84	100		
86	67.3	46.0	85.4
49	130.0	103.9	192.9

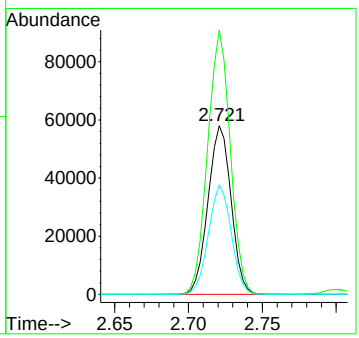


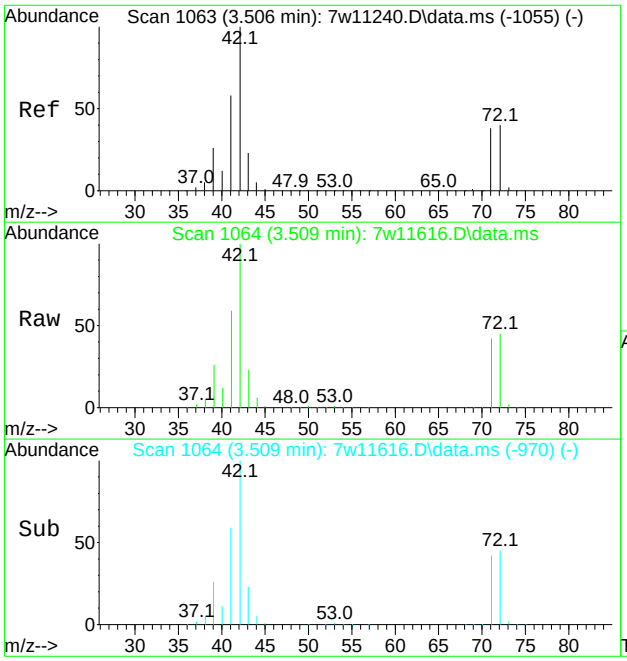


#34
TRANS-1,2-DICHLOROETHENE
Concen: 4.9943 PPBV
RT: 2.721 min Scan# 819
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 96 Resp: 62686

Ion	Ratio	Lower	Upper
96	100		
61	153.9	116.2	215.8
98	64.1	44.2	82.2

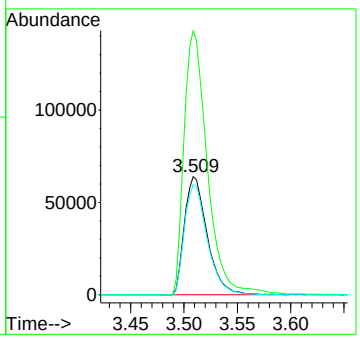


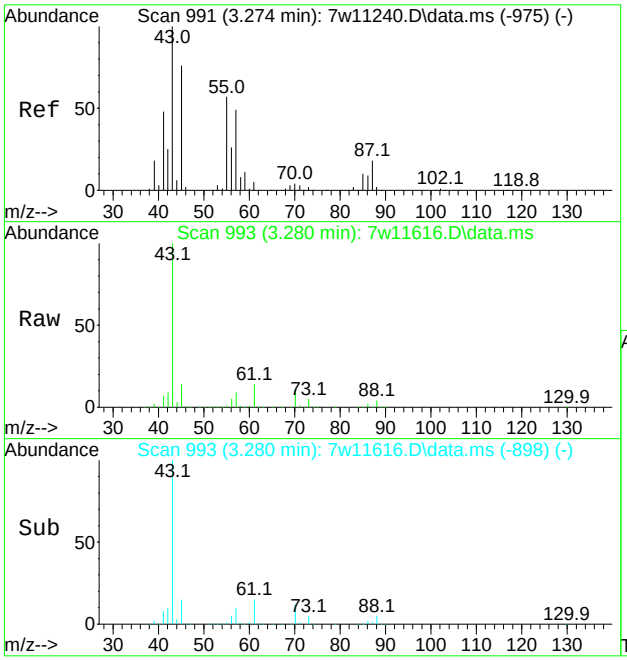


#37
TETRAHYDROFURAN
Concen: 17.0233 PPBV
RT: 3.509 min Scan# 1064
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 72 Resp: 94683

Ion	Ratio	Lower	Upper
72	100		
42	229.8	174.9	324.9
71	94.0	67.2	124.8

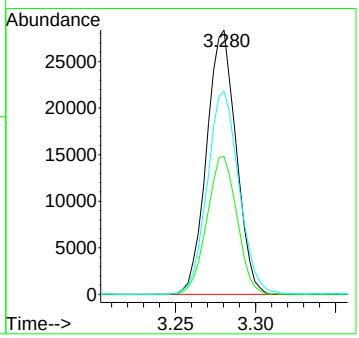


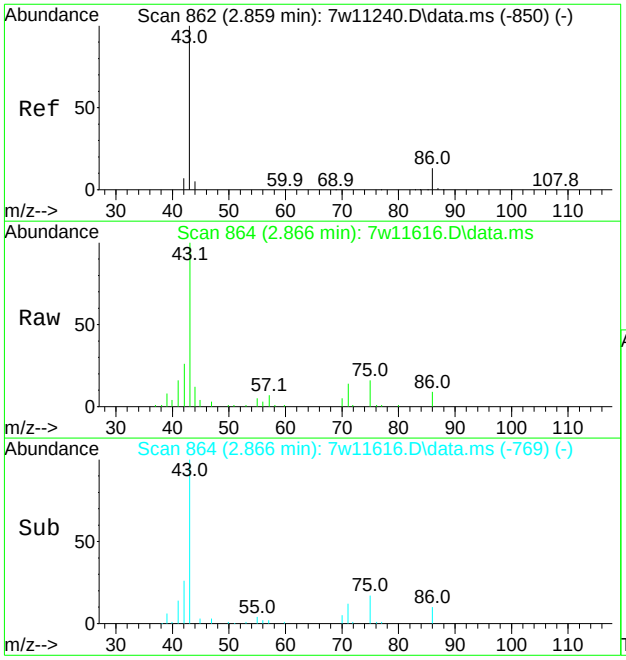


#38
HEXANE
Concen: 1.5892 PPBV
RT: 3.280 min Scan# 993
Delta R.T. 0.006 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 57 Resp: 36395

Ion	Ratio	Lower	Upper
57	100		
56	53.1	37.8	70.2
41	82.9	75.9	140.9

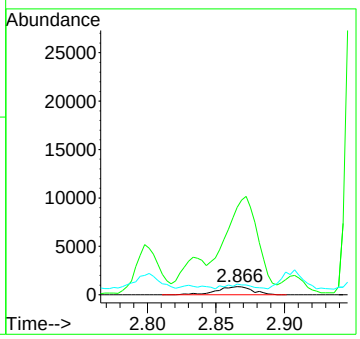


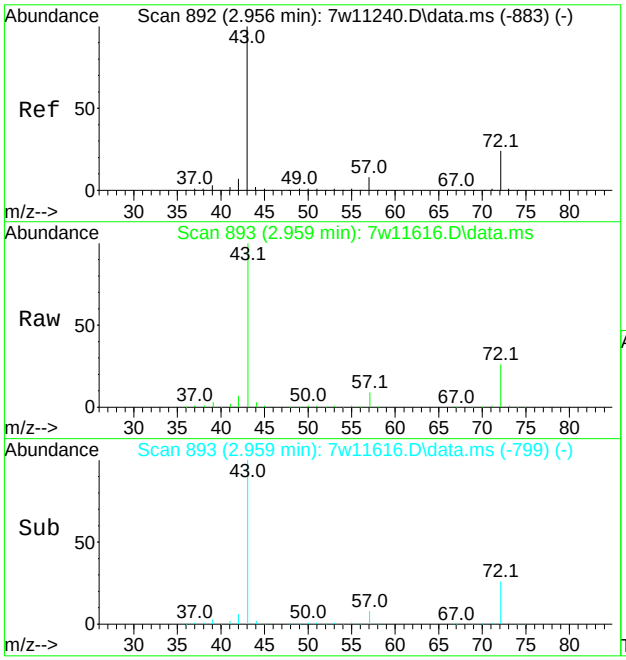


#39
VINYL ACETATE
Concen: 0.4524 PPBV
RT: 2.866 min Scan# 864
Delta R.T. 0.007 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 86 Resp: 1537

Ion	Ratio	Lower	Upper
86	100		
43	1392.5	719.4	1336.0#
44	40.5	34.6	64.2

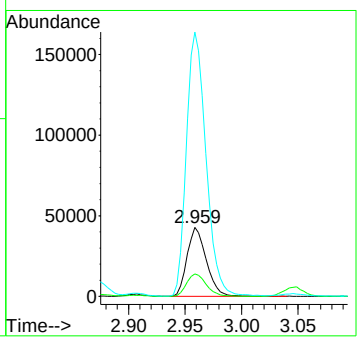


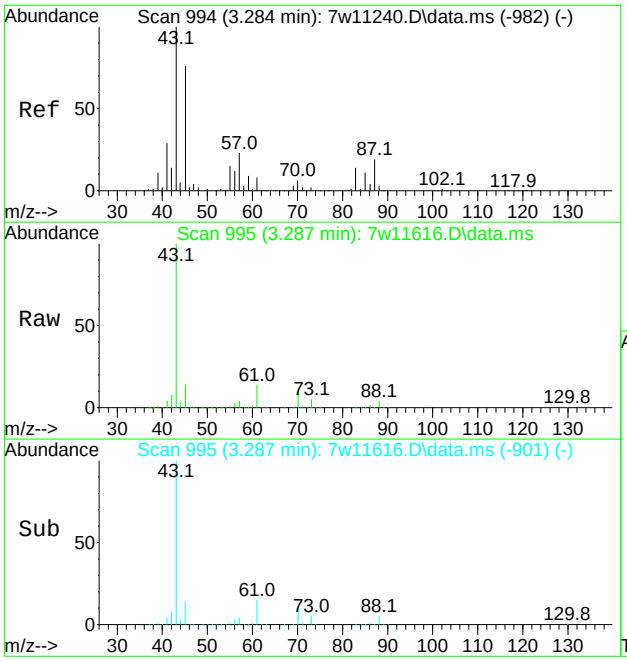


#41
METHYL ETHYL KETONE
Concen: 8.2394 PPBV
RT: 2.959 min Scan# 893
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 72 Resp: 50902

Ion	Ratio	Lower	Upper
72	100		
57	33.5	25.3	46.9
43	390.4	299.6	556.4

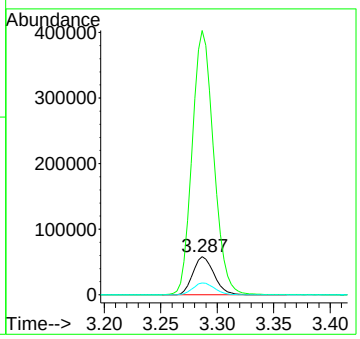


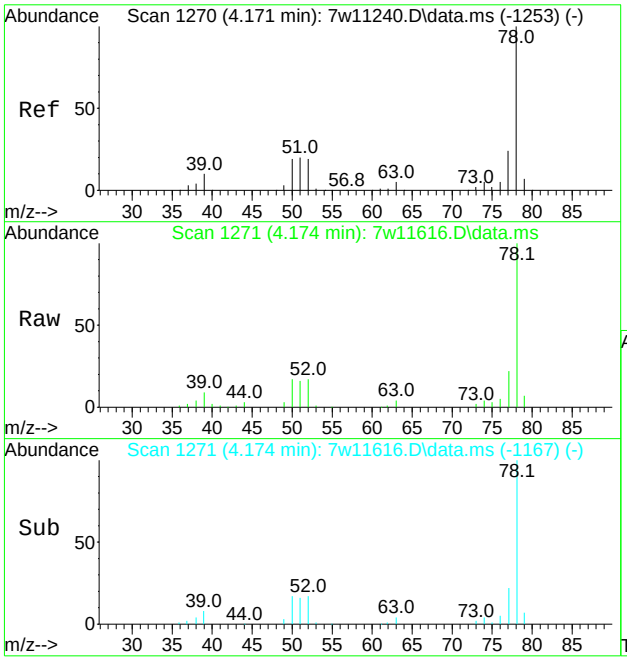


#44
ETHYL ACETATE
Concen: 17.2156 PPBV
RT: 3.287 min Scan# 995
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 61 Resp: 75539

Ion	Ratio	Lower	Upper
61	100		
43	705.1	1005.1	1866.5#
88	31.5	29.3	54.5

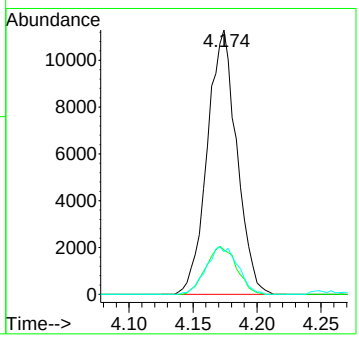


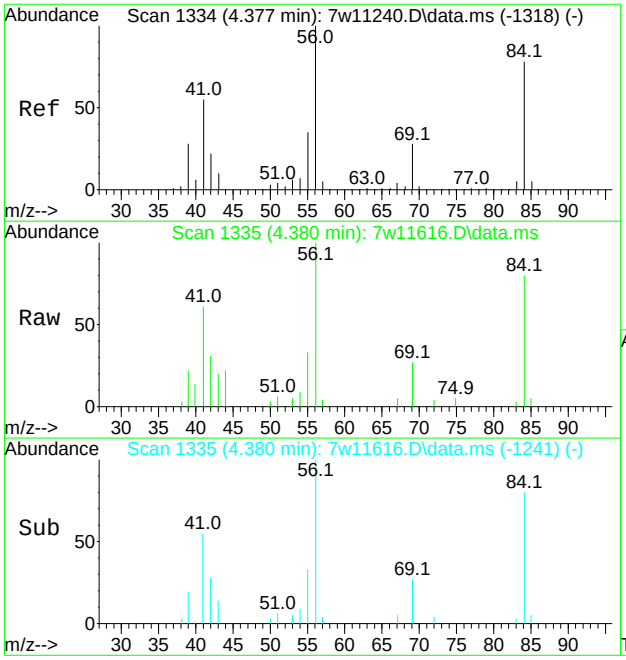


#51
BENZENE
Concen: 0.4869 PPBV
RT: 4.174 min Scan# 1271
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 78 Resp: 18083

Ion	Ratio	Lower	Upper
78	100		
52	18.9	0.0	48.9
51	19.5	0.0	50.2

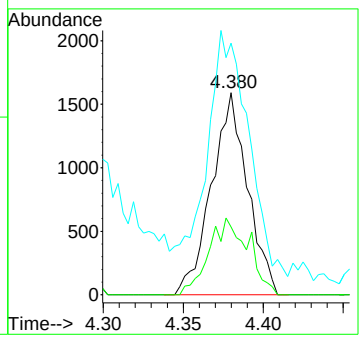


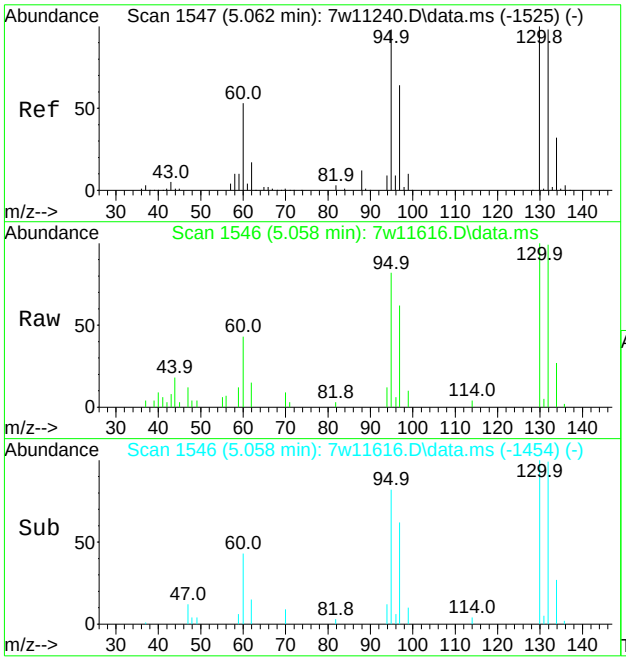


#53
CYCLOHEXANE
Concen: 0.1580 PPBV
RT: 4.380 min Scan# 1335
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 84 Resp: 2488

Ion	Ratio	Lower	Upper
84	100		
69	41.8	24.8	46.0
56	160.1	89.8	166.8

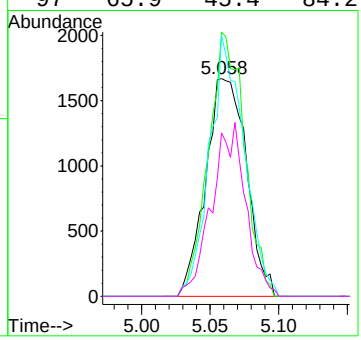


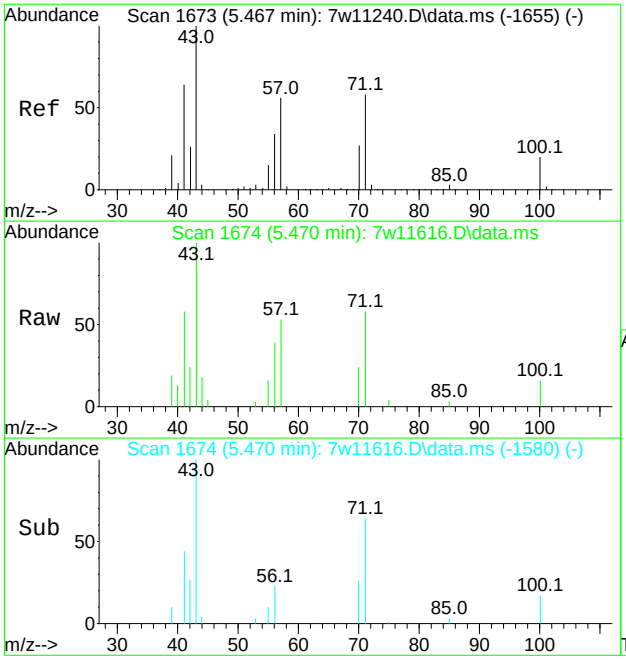


#55
TRICHLOROETHENE
Concen: 0.2039 PPBV
RT: 5.058 min Scan# 1546
Delta R.T. -0.004 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 95 Resp: 3455

Ion	Ratio	Lower	Upper
95	100		
130	106.7	72.8	135.2
132	101.2	71.9	133.5
97	65.9	45.4	84.2

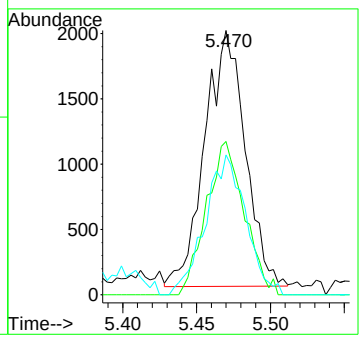


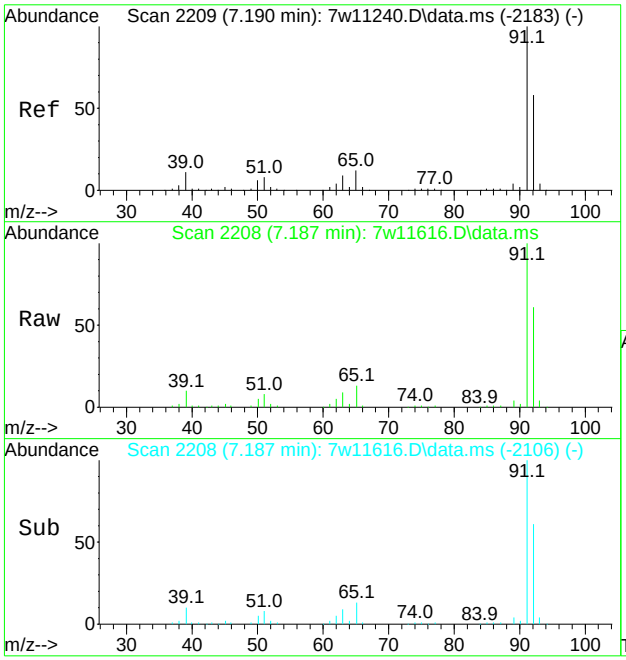


#62
HEPTANE
Concen: 0.1645 PPBV
RT: 5.470 min Scan# 1674
Delta R.T. 0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 43 Resp: 3706

Ion	Ratio	Lower	Upper
43	100		
71	56.4	40.0	74.4
57	54.9	38.9	72.2

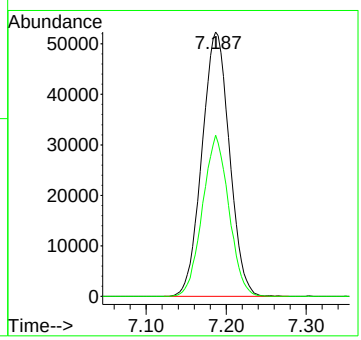


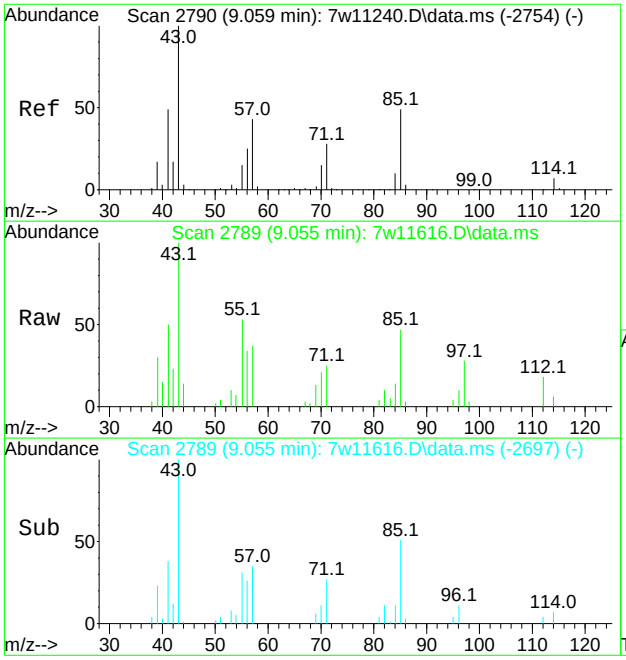


#66
TOLUENE
Concen: 2.6518 PPBV
RT: 7.187 min Scan# 2208
Delta R.T. -0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 91 Resp: 124879

Ion	Ratio	Lower	Upper
91	100		
92	58.4	29.0	89.0

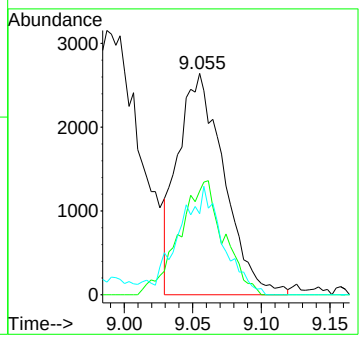


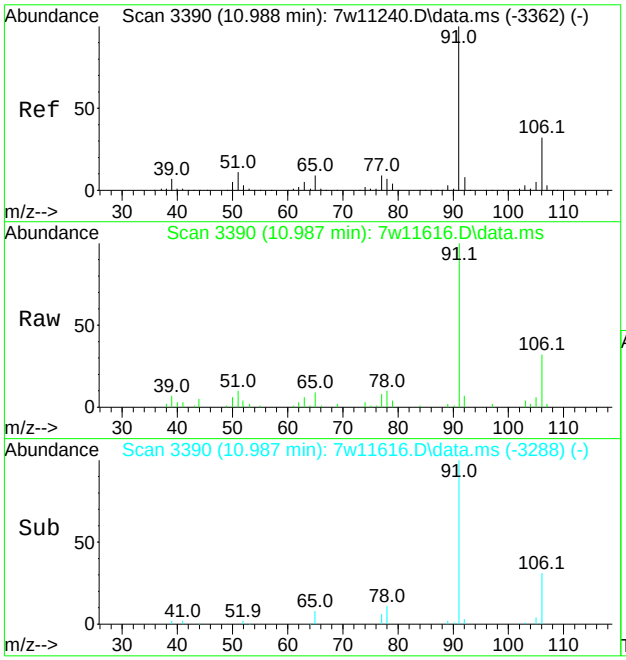


#75
OCTANE
Concen: 0.1939 PPBV
RT: 9.055 min Scan# 2789
Delta R.T. -0.004 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 43 Resp: 6189

Ion	Ratio	Lower	Upper
43	100		
85	49.4	33.9	63.0
57	47.2	30.0	55.8

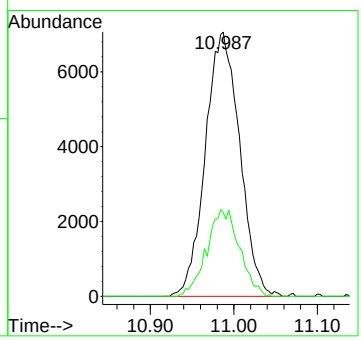


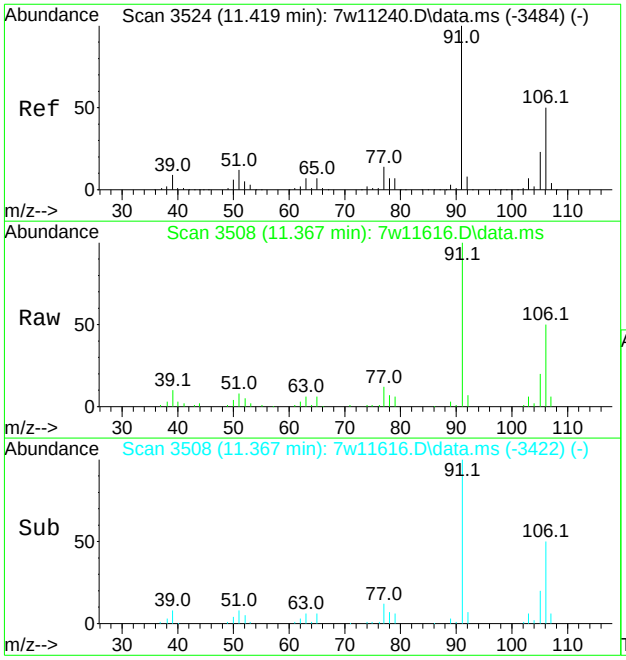


#79
ETHYLBENZENE
Concen: 0.3220 PPBV
RT: 10.987 min Scan# 3390
Delta R.T. -0.001 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 91 Resp: 20162

Ion	Ratio	Lower	Upper
91	100		
106	31.5	1.6	61.6

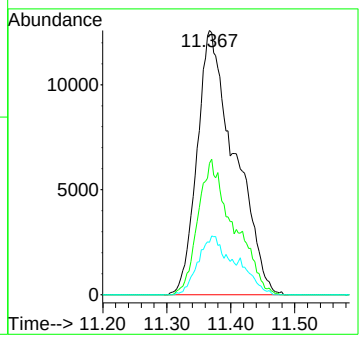


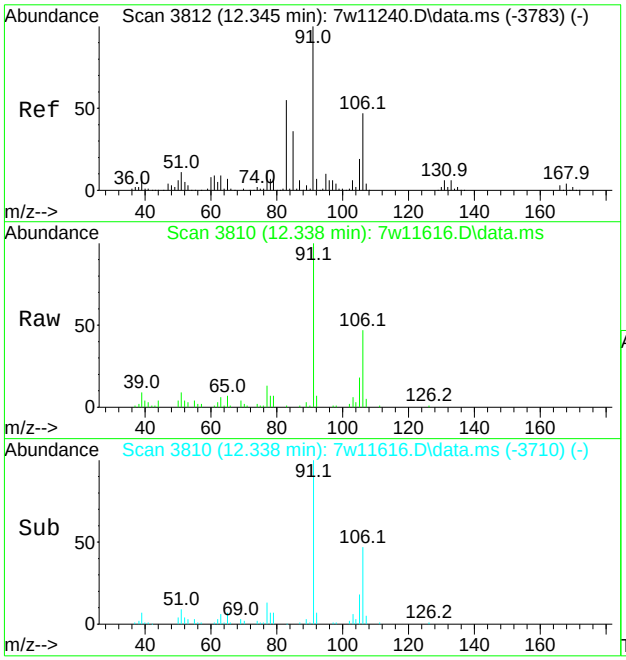


#80
M,P-XYLENE
Concen: 1.0484 PPBV
RT: 11.367 min Scan# 3508
Delta R.T. -0.052 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 91 Resp: 51450

Ion	Ratio	Lower	Upper
91	100		
106	48.7	0.0	55.5
105	22.4	0.0	41.7

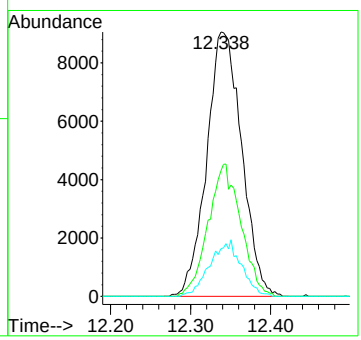


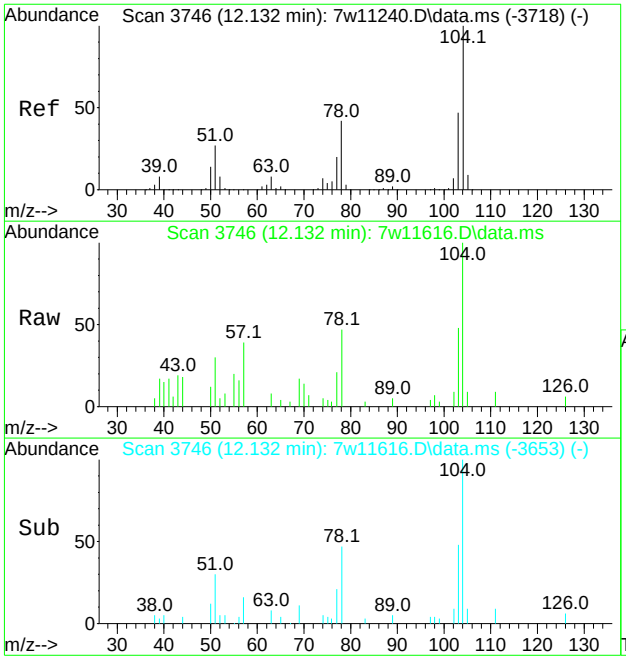


#81
O-XYLENE
Concen: 0.5579 PPBV
RT: 12.338 min Scan# 3810
Delta R.T. -0.007 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 91 Resp: 27499

Ion	Ratio	Lower	Upper
91	100		
106	47.5	32.7	60.7
105	18.0	13.2	24.6

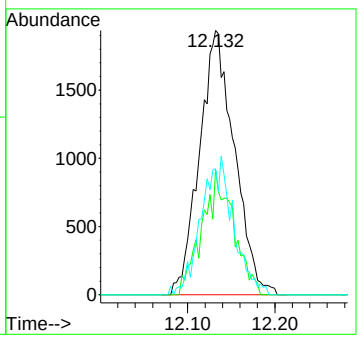


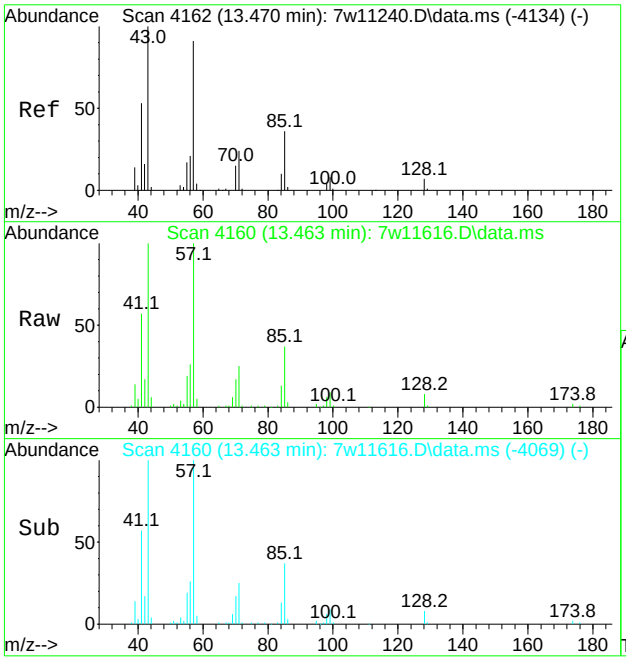


#82
STYRENE
Concen: 0.1527 PPBV
RT: 12.132 min Scan# 3746
Delta R.T. 0.000 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion:104 Resp: 5392

Ion	Ratio	Lower	Upper
104	100		
78	42.3	30.0	55.6
103	47.9	33.0	61.4

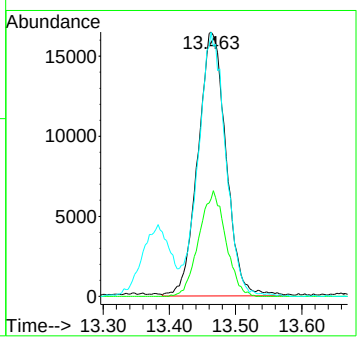


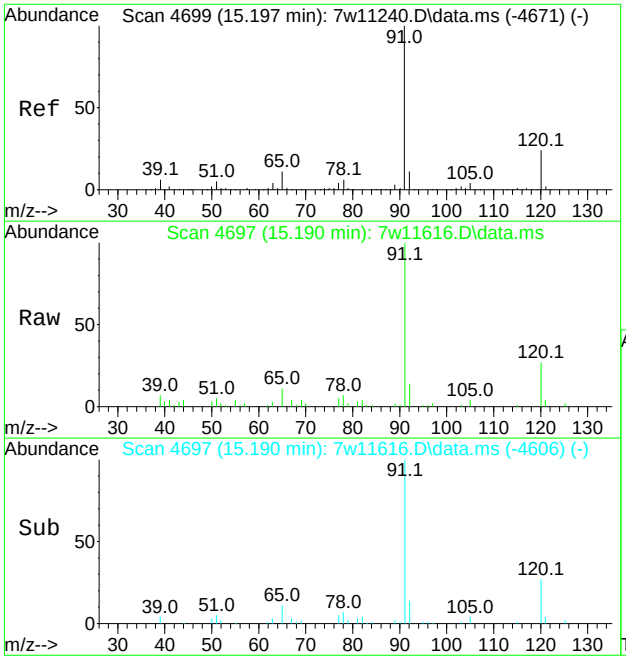


#83
NONANE
Concen: 1.4371 PPBV
RT: 13.463 min Scan# 4160
Delta R.T. -0.007 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion: 43 Resp: 48653

Ion	Ratio	Lower	Upper
43	100		
85	38.0	25.0	46.4
57	97.5	65.7	122.1

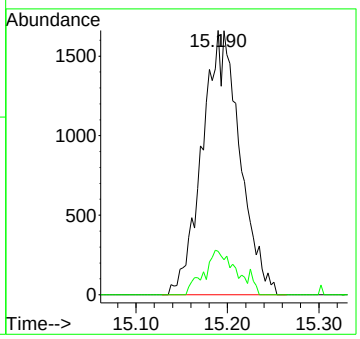


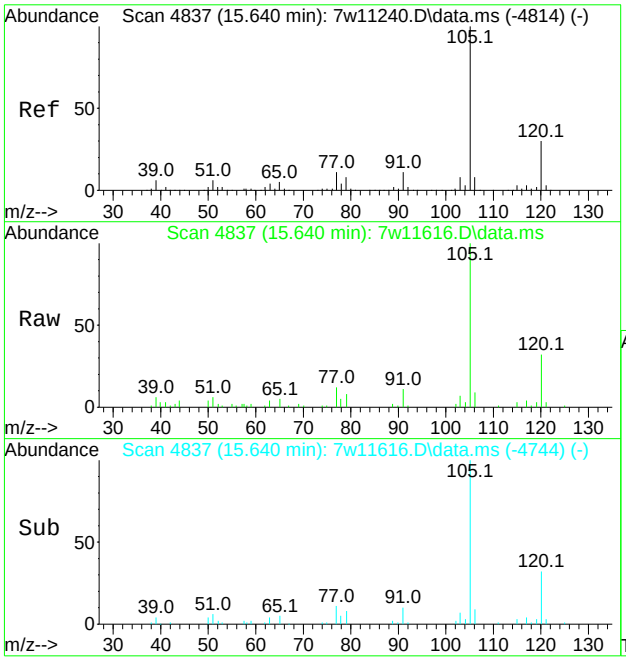


#91
N-PROPYLBENZENE
Concen: 0.2503 PPBV
RT: 15.190 min Scan# 4697
Delta R.T. -0.007 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion:120 Resp: 4777

Ion	Ratio	Lower	Upper
120	100		
105	14.6	11.3	20.9

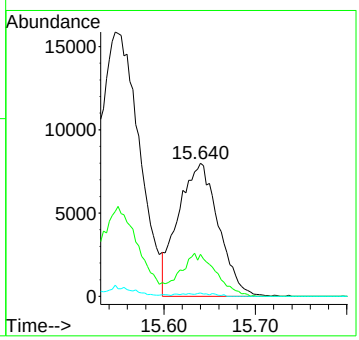


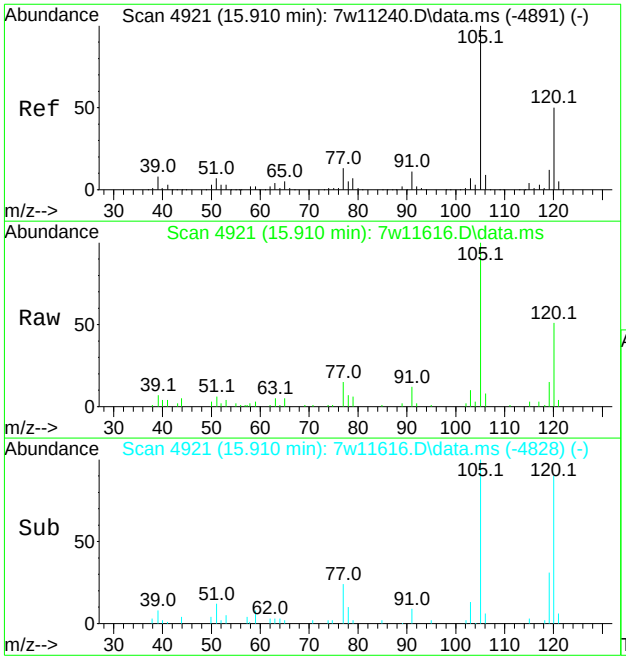


#92
4-ETHYLTOLUENE
Concen: 0.3584 PPBV
RT: 15.640 min Scan# 4837
Delta R.T. -0.000 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion:105 Resp: 24531

Ion	Ratio	Lower	Upper
105	100		
120	28.0	21.1	39.1
119	2.2	1.6	3.0

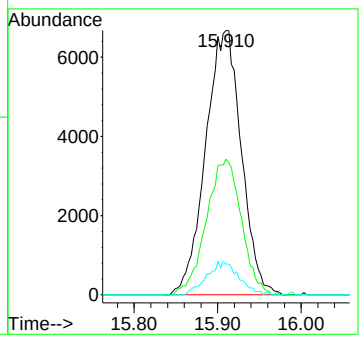


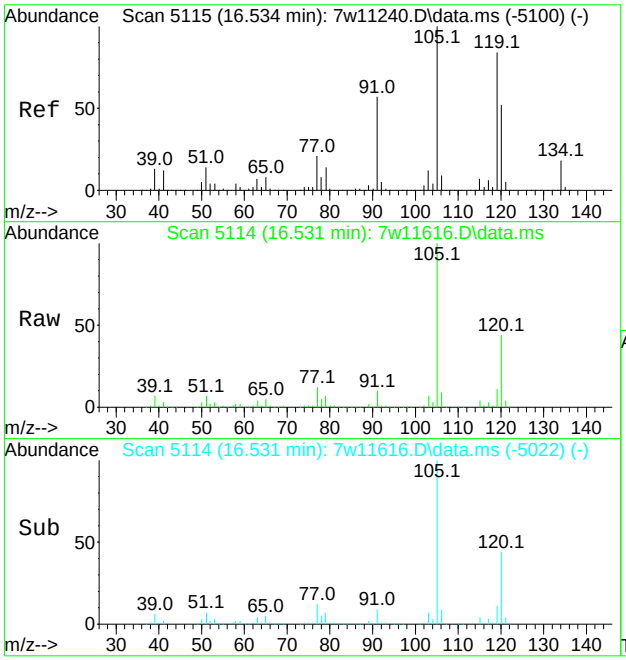


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.3448 PPBV
RT: 15.910 min Scan# 4921
Delta R.T. 0.000 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion:105 Resp: 19862

Ion	Ratio	Lower	Upper
105	100		
120	50.2	34.9	64.7
91	11.2	7.5	13.9

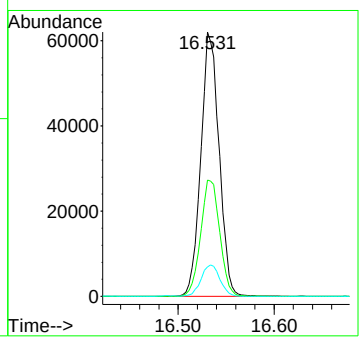


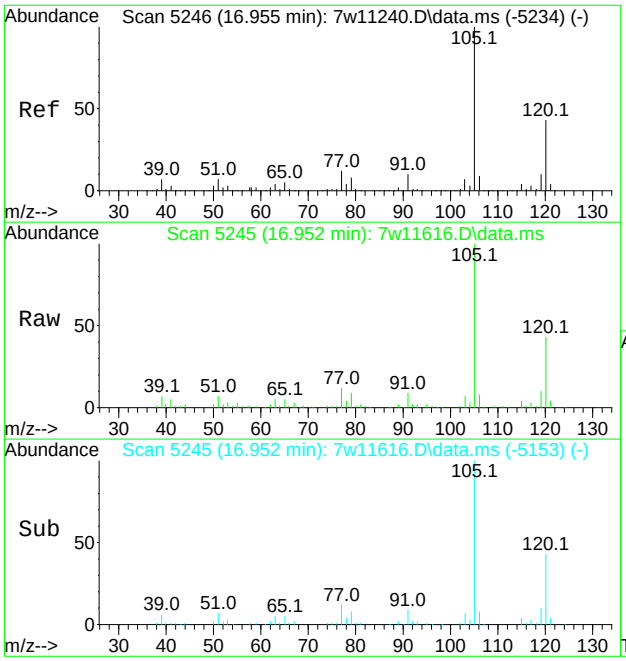


#96
1,2,4-TRIMETHYLBENZENE
Concen: 1.4126 PPBV
RT: 16.531 min Scan# 5114
Delta R.T. -0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion:105 Resp: 82084

Ion	Ratio	Lower	Upper
105	100		
120	46.0	38.8	72.0
119	12.4	74.3	137.9#

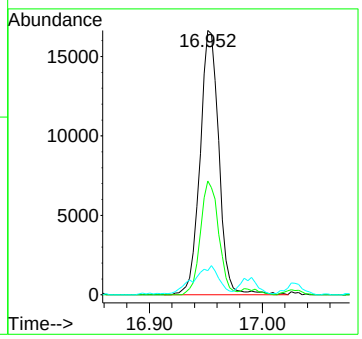


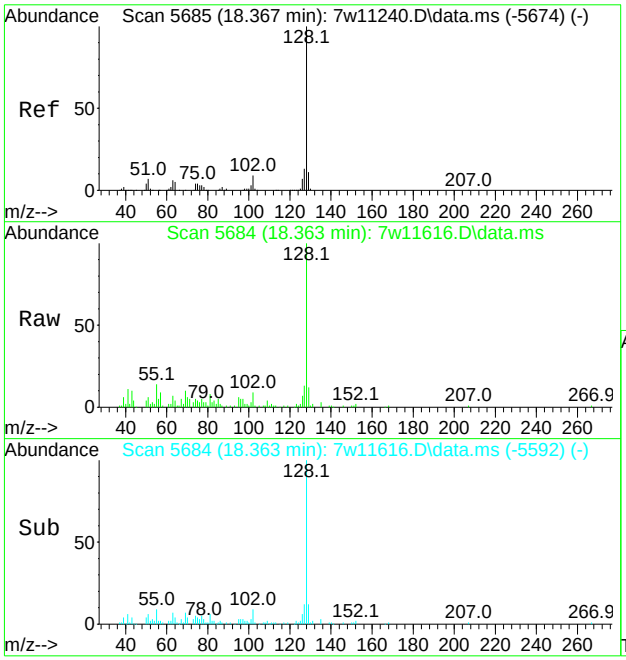


#102
1,2,3-TRIMETHYLBENZENE
Concen: 0.3310 PPBV
RT: 16.952 min Scan# 5245
Delta R.T. -0.003 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion:105 Resp: 19265

Ion	Ratio	Lower	Upper
105	100		
120	43.7	30.2	56.2
91	14.6	7.1	13.3#

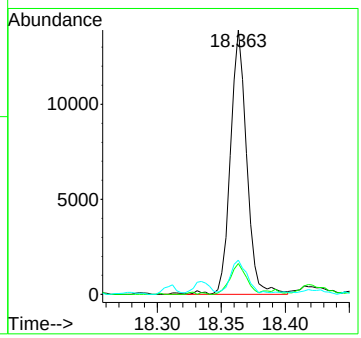




#108
NAPHTHALENE
Concen: 0.1738 PPBV
RT: 18.363 min Scan# 5684
Delta R.T. -0.004 min
Lab File: 7w11616.D
Acq: 9 Jan 2025 12:07 pm

Tgt Ion:128 Resp: 12339

Ion	Ratio	Lower	Upper
128	100		
129	13.6	7.6	14.2
127	12.4	8.9	16.5



Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11612.D
Acq On : 9 Jan 2025 9:27 am
Operator : benk
Sample : je3522-6 Inst : MS7W
Misc : MS88628,v7w416,20,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 10 07:03:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

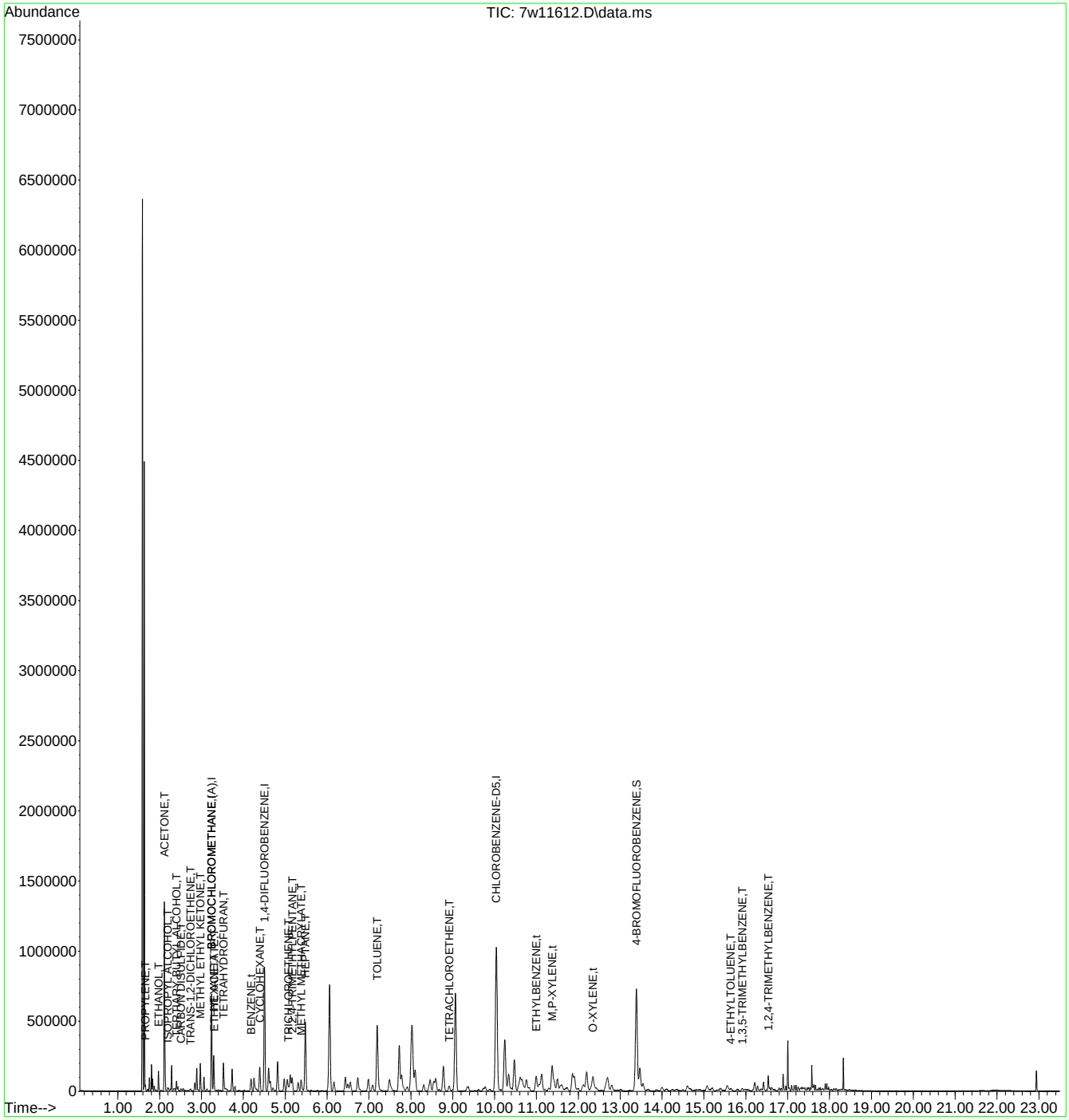
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.239	128	137764	10.00	PPBV		0.01
52) 1,4-DIFLUOROBENZENE	4.505	114	660940	10.00	PPBV		0.01
76) CHLOROBENZENE-D5	10.039	117	628540	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.239	128	137780	10.00	PPBV		0.01
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.389	95	456550	10.01	PPBV		0.00
Target Compounds							Qvalue
7) PROPYLENE	1.657	41	8892	0.9836	PPBV		83
22) ISOPROPYL ALCOHOL	2.194	45	16896	0.6620	PPBV	#	85
23) ACETONE	2.113	58	273739	34.1994	PPBV		93
27) CARBON DISULFIDE	2.509	76	11774	0.3958	PPBV	#	8
28) ETHANOL	1.972	45	80765	11.5602	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.737	96	2602	0.2092	PPBV		94
35) TERTIARY BUTYL ALCOHOL	2.399	59	31830	1.0844	PPBV	#	46
37) TETRAHYDROFURAN	3.522	72	41132	7.4645	PPBV		98
38) HEXANE	3.290	57	80848	3.5633	PPBV	#	77
41) METHYL ETHYL KETONE	2.972	72	37963	6.2025	PPBV		89
44) ETHYL ACETATE	3.303	61	2571	0.5914	PPBV	#	1
51) BENZENE	4.184	78	62932	1.7104	PPBV		98
53) CYCLOHEXANE	4.390	84	59290	3.7969	PPBV		98
55) TRICHLOROETHENE	5.075	95	2520	0.1500	PPBV		95
60) 2,2,4-TRIMETHYLPENTANE	5.165	57	92934	1.4623	PPBV		96
62) HEPTANE	5.480	43	207593	9.2943	PPBV		95
63) METHYL METHACRYLATE	5.380	69	35691	2.4863	PPBV		85
66) TOLUENE	7.197	91	456203	9.7684	PPBV		100
72) TETRACHLOROETHENE	8.914	164	12630	0.7138	PPBV		97
79) ETHYLBENZENE	10.994	91	114992	1.8575	PPBV		100
80) M,P-XYLENE	11.373	91	248425	5.1191	PPBV		59
81) O-XYLENE	12.351	91	94788	1.9448	PPBV		99
92) 4-ETHYLTOLUENE	15.640	105	19516	0.2883	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.917	105	18134	0.3183	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	50481	0.8785	PPBV	#	36

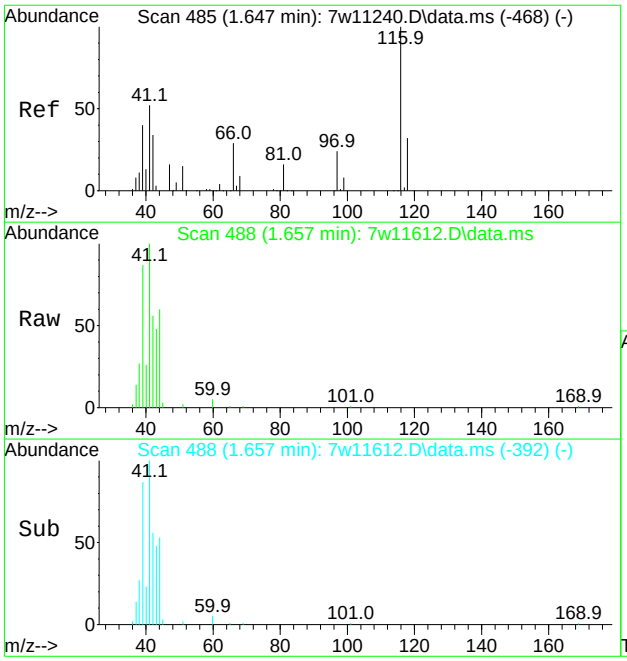
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11612.D
Acq On : 9 Jan 2025 9:27 am
Operator : benk
Sample : je3522-6 Inst : MS7W
Misc : MS88628,v7w416,20,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 10 07:03:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

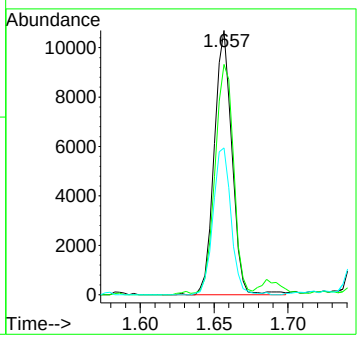


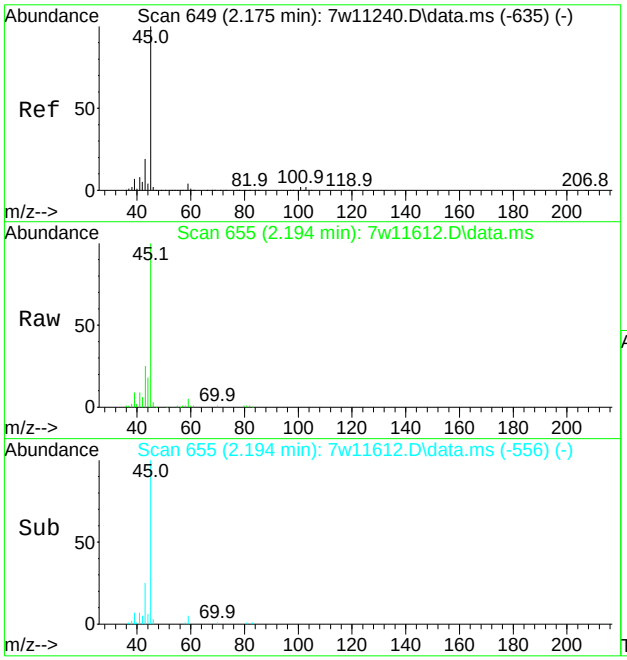


#7
PROPYLENE
Concen: 0.9836 PPBV
RT: 1.657 min Scan# 488
Delta R.T. 0.010 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 41 Resp: 8892

Ion	Ratio	Lower	Upper
41	100		
39	92.8	52.9	98.3
42	56.5	46.6	86.6

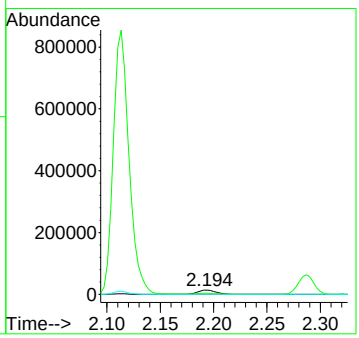


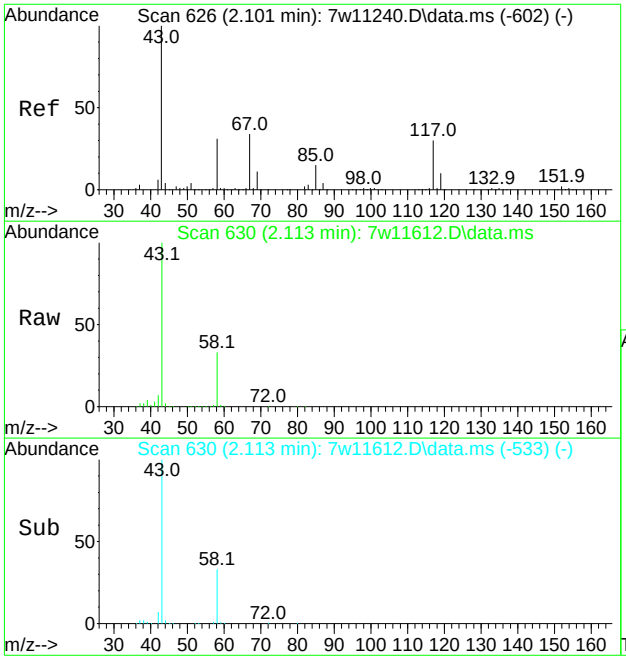


#22
ISOPROPYL ALCOHOL
Concen: 0.6620 PPBV
RT: 2.194 min Scan# 655
Delta R.T. 0.019 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 45 Resp: 16896

Ion	Ratio	Lower	Upper
45	100		
43	28.4	13.9	25.9#
59	3.9	2.8	5.2

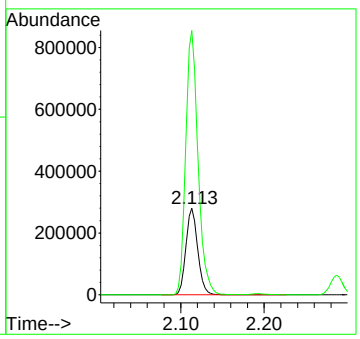


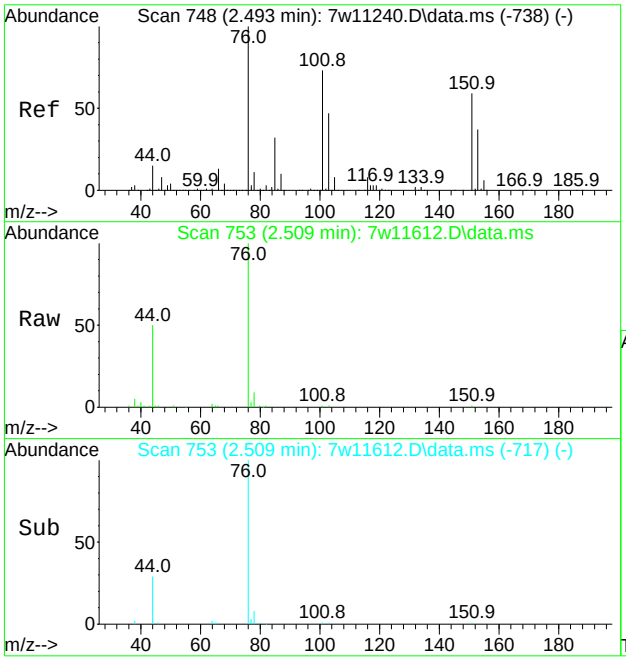


#23
ACETONE
Concen: 34.1994 PPBV
RT: 2.113 min Scan# 630
Delta R.T. 0.012 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 58 Resp: 273739

Ion	Ratio	Lower	Upper
58	100		
43	320.1	234.4	435.2

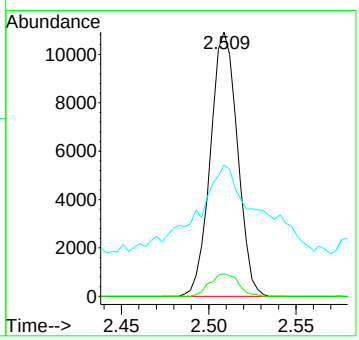


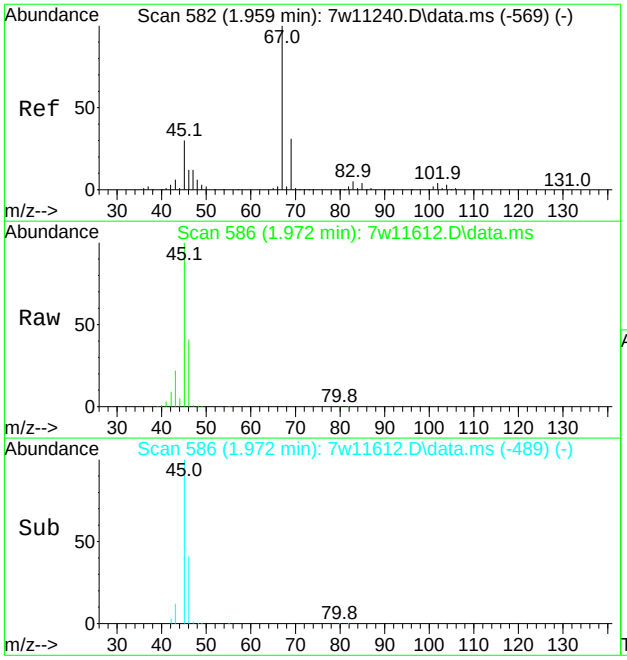


#27
CARBON DISULFIDE
Concen: 0.3958 PPBV
RT: 2.509 min Scan# 753
Delta R.T. 0.016 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 76 Resp: 11774

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.8	14.6
44	81.1	11.3	20.9#

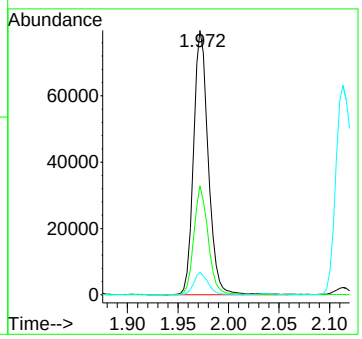


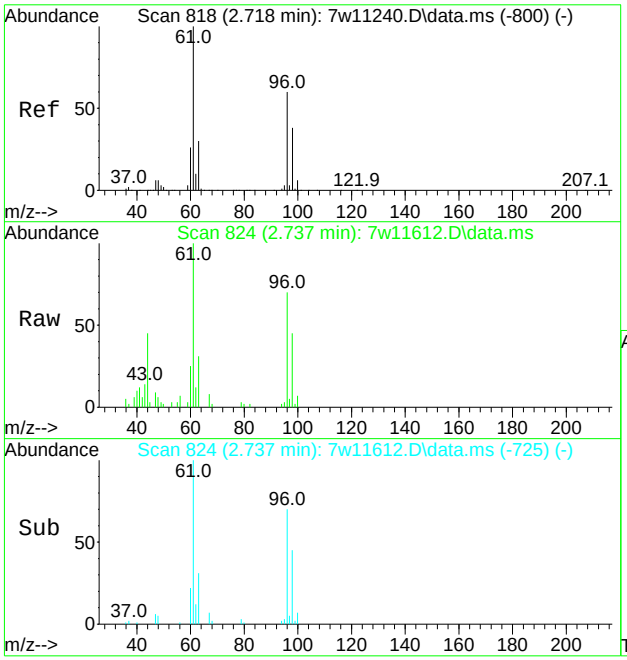


#28
ETHANOL
Concen: 11.5602 PPBV
RT: 1.972 min Scan# 586
Delta R.T. 0.013 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 45 Resp: 80765

Ion	Ratio	Lower	Upper
45	100		
46	40.1	28.6	53.0
42	8.4	6.3	11.7

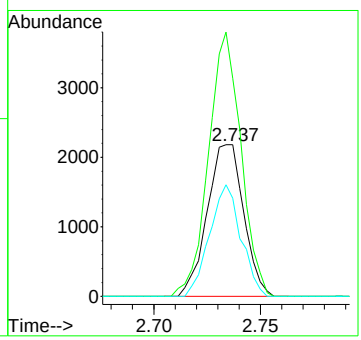


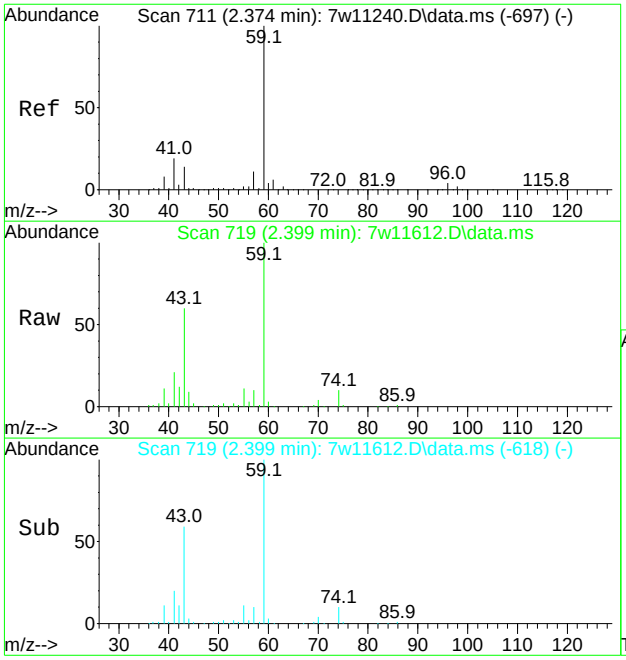


#34
TRANS-1,2-DICHLOROETHENE
Concen: 0.2092 PPBV
RT: 2.737 min Scan# 824
Delta R.T. 0.019 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 96 Resp: 2602

Ion	Ratio	Lower	Upper
96	100		
61	154.7	116.2	215.8
98	63.0	44.2	82.2

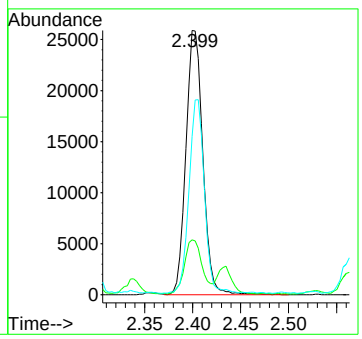


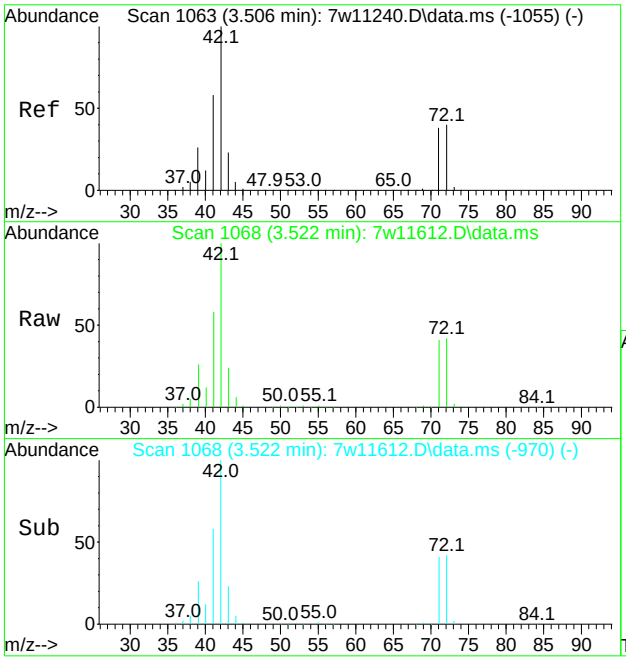


#35
TERTIARY BUTYL ALCOHOL
Concen: 1.0844 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.025 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 59 Resp: 31830

Ion	Ratio	Lower	Upper
59	100		
41	21.4	14.3	26.5
43	66.3	9.9	18.5#

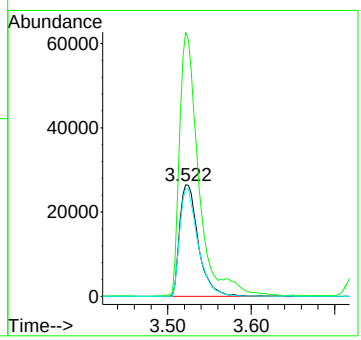


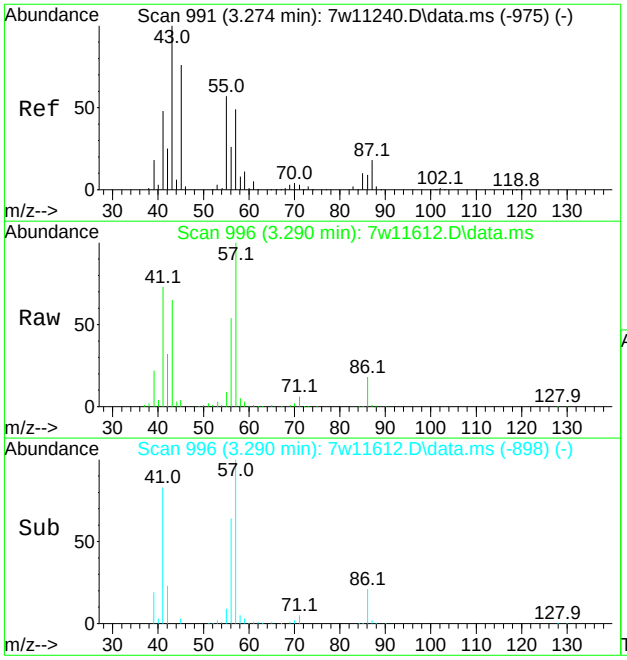


#37
TETRAHYDROFURAN
Concen: 7.4645 PPBV
RT: 3.522 min Scan# 1068
Delta R.T. 0.016 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 72 Resp: 41132

Ion	Ratio	Lower	Upper
72	100		
42	245.4	174.9	324.9
71	94.4	67.2	124.8

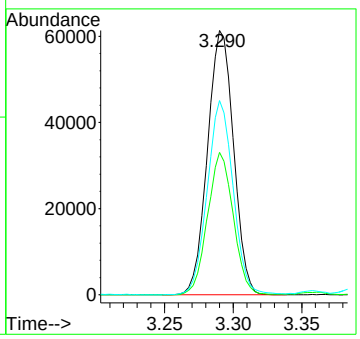


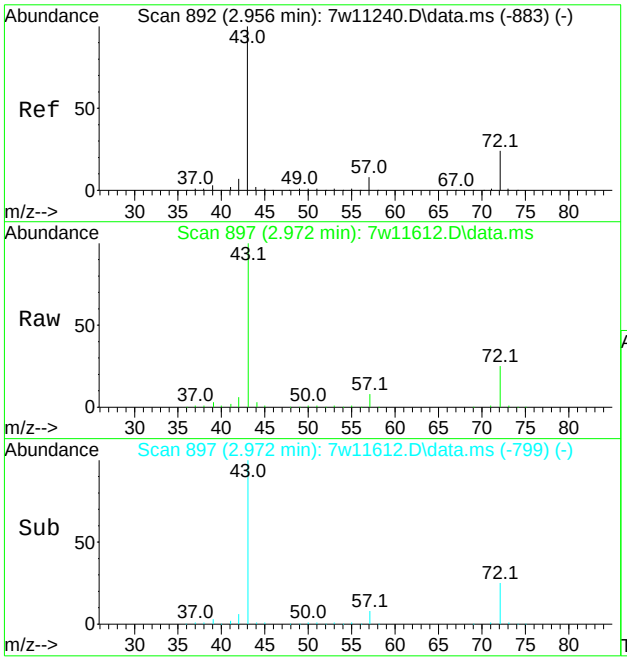


#38
HEXANE
Concen: 3.5633 PPBV
RT: 3.290 min Scan# 996
Delta R.T. 0.016 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 57 Resp: 80848

Ion	Ratio	Lower	Upper
57	100		
56	53.1	37.8	70.2
41	73.3	75.9	140.9#

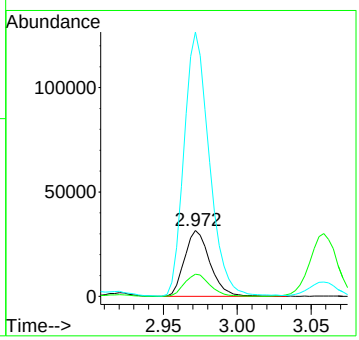


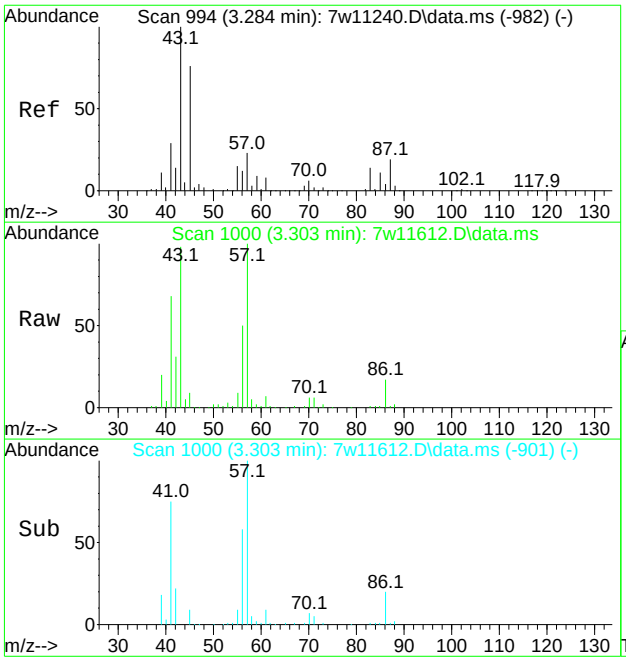


#41
METHYL ETHYL KETONE
Concen: 6.2025 PPBV
RT: 2.972 min Scan# 897
Delta R.T. 0.016 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 72 Resp: 37963

Ion	Ratio	Lower	Upper
72	100		
57	33.9	25.3	46.9
43	399.0	299.6	556.4

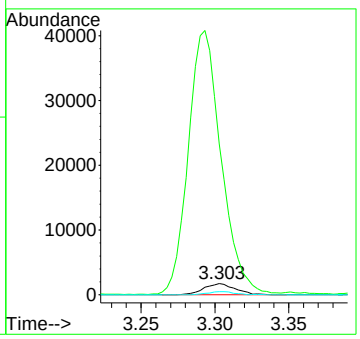


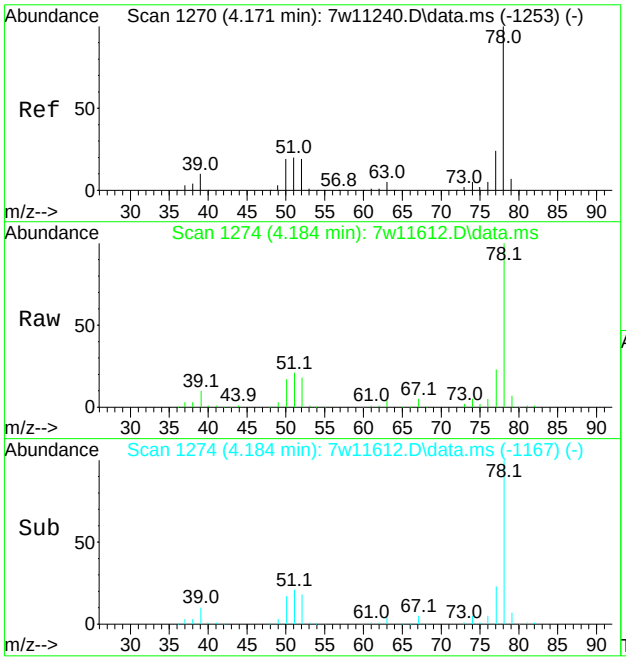


#44
ETHYL ACETATE
Concen: 0.5914 PPBV
RT: 3.303 min Scan# 1000
Delta R.T. 0.019 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 61 Resp: 2571

Ion	Ratio	Lower	Upper
61	100		
43	2475.6	1005.1	1866.5#
88	24.5	29.3	54.5#

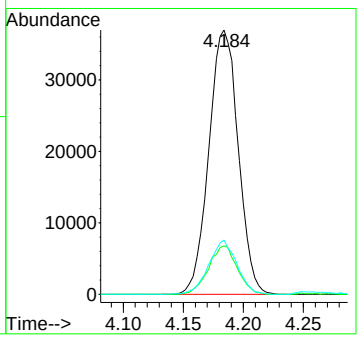


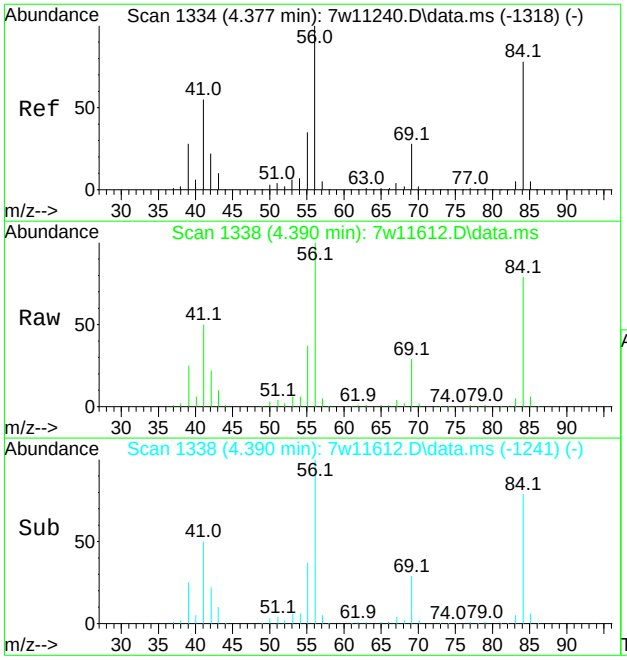


#51
BENZENE
Concen: 1.7104 PPBV
RT: 4.184 min Scan# 1274
Delta R.T. 0.013 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 78 Resp: 62932

Ion	Ratio	Lower	Upper
78	100		
52	18.0	0.0	48.9
51	19.7	0.0	50.2

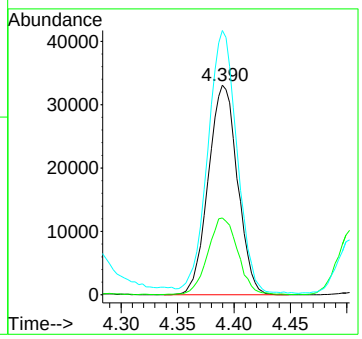


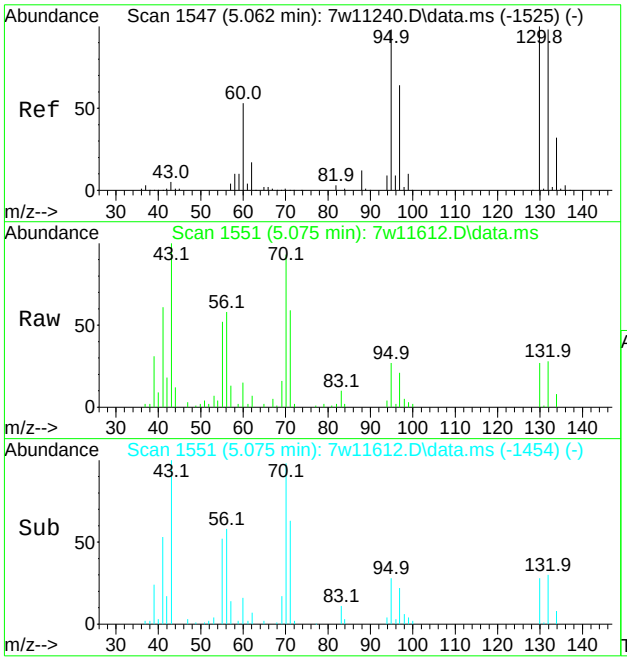


#53
CYCLOHEXANE
Concen: 3.7969 PPBV
RT: 4.390 min Scan# 1338
Delta R.T. 0.013 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 84 Resp: 59290

Ion	Ratio	Lower	Upper
84	100		
69	37.9	24.8	46.0
56	126.3	89.8	166.8

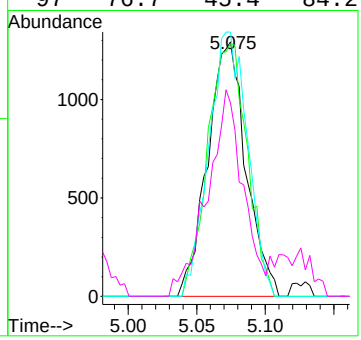


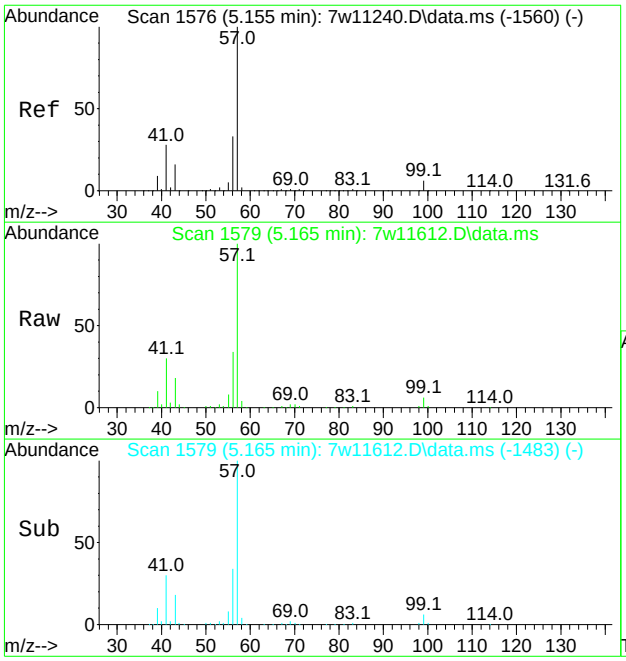


#55
TRICHLOROETHENE
Concen: 0.1500 PPBV
RT: 5.075 min Scan# 1551
Delta R.T. 0.013 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 95 Resp: 2520

Ion	Ratio	Lower	Upper
95	100		
130	102.1	72.8	135.2
132	104.2	71.9	133.5
97	76.7	45.4	84.2

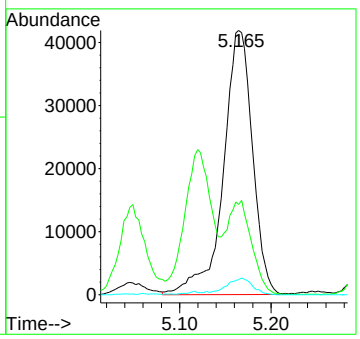


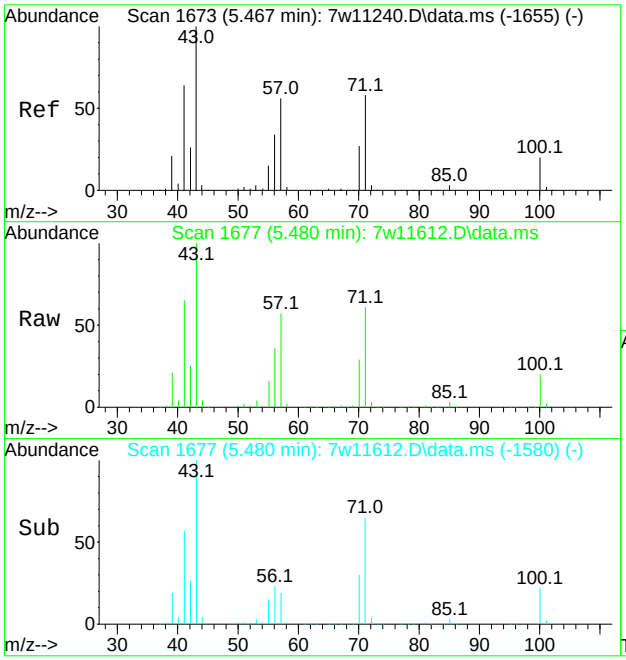


#60
2,2,4-TRIMETHYLPENTANE
Concen: 1.4623 PPBV
RT: 5.165 min Scan# 1579
Delta R.T. 0.010 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 57 Resp: 92934

Ion	Ratio	Lower	Upper
57	100		
56	30.1	22.7	42.1
99	5.8	3.9	7.3

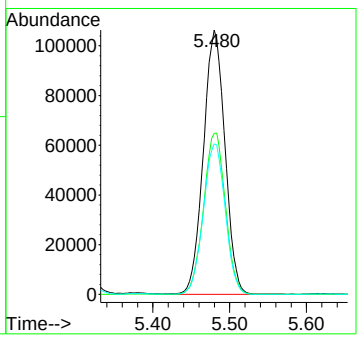


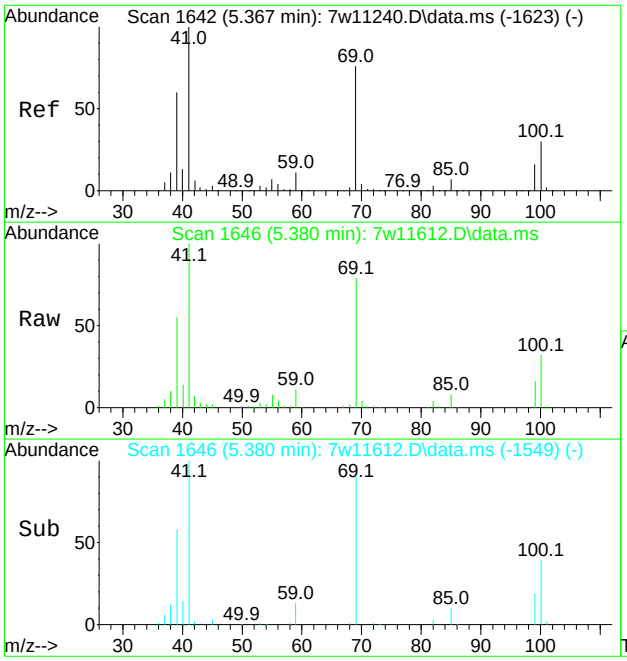


#62
HEPTANE
Concen: 9.2943 PPBV
RT: 5.480 min Scan# 1677
Delta R.T. 0.013 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 43 Resp: 207593

Ion	Ratio	Lower	Upper
43	100		
71	61.9	40.0	74.4
57	58.1	38.9	72.2

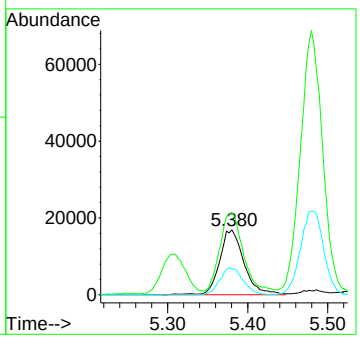


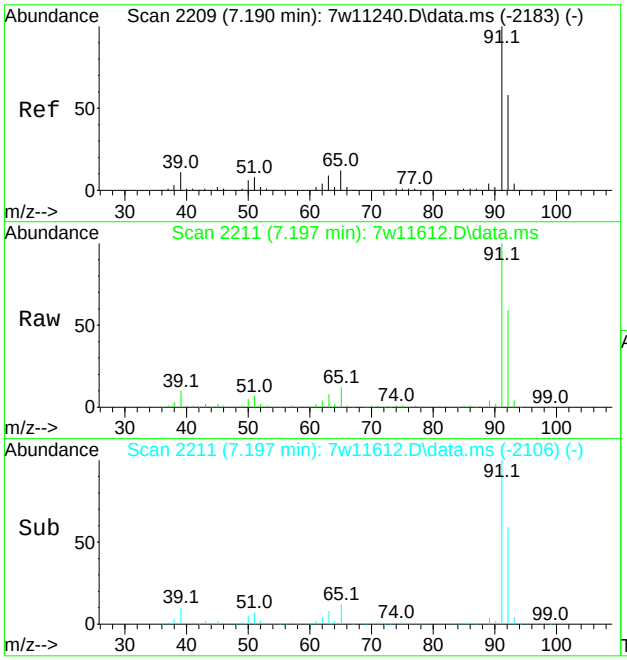


#63
METHYL METHACRYLATE
Concen: 2.4863 PPBV
RT: 5.380 min Scan# 1646
Delta R.T. 0.013 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 69 Resp: 35691

Ion	Ratio	Lower	Upper
69	100		
41	113.3	95.5	177.4
100	39.8	28.3	52.7

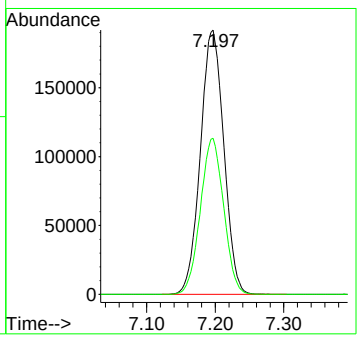


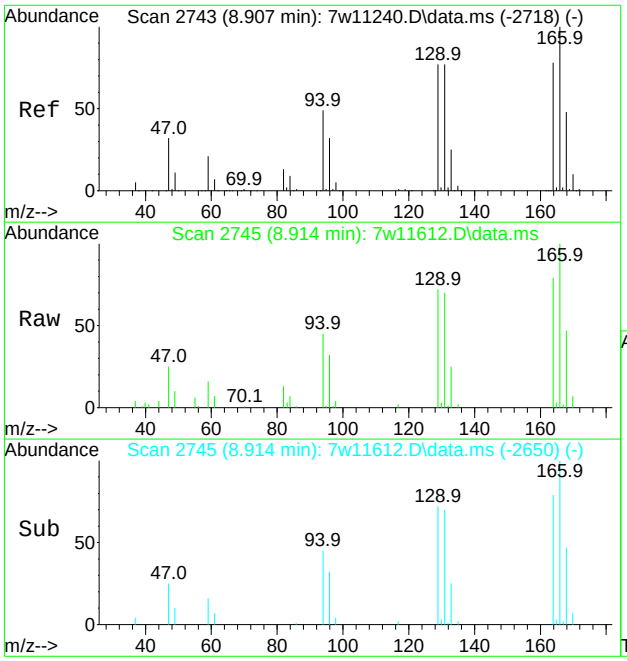


#66
TOLUENE
Concen: 9.7684 PPBV
RT: 7.197 min Scan# 2211
Delta R.T. 0.007 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 91 Resp: 456203

Ion	Ratio	Lower	Upper
91	100		
92	58.7	29.0	89.0

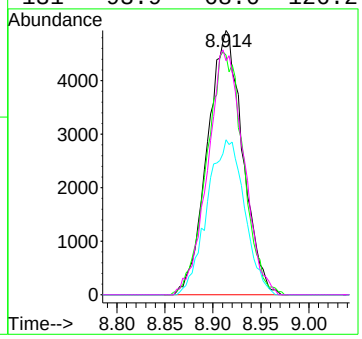


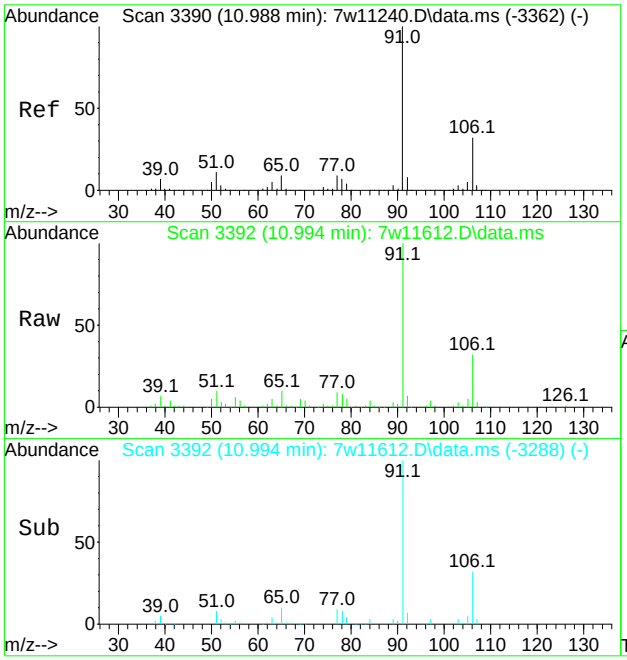


#72
TETRACHLOROETHENE
Concen: 0.7138 PPBV
RT: 8.914 min Scan# 2745
Delta R.T. 0.007 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion:164 Resp: 12630

Ion	Ratio	Lower	Upper
164	100		
129	95.0	68.9	127.9
168	62.1	42.3	78.5
131	93.9	68.0	126.2

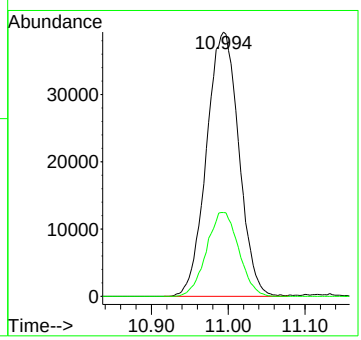


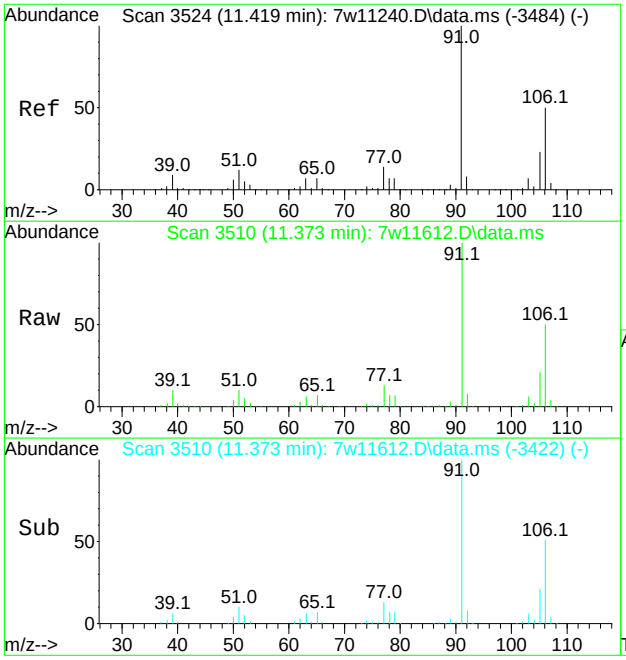


#79
ETHYLBENZENE
Concen: 1.8575 PPBV
RT: 10.994 min Scan# 3392
Delta R.T. 0.006 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 91 Resp: 114992

Ion	Ratio	Lower	Upper
91	100		
106	31.6	1.6	61.6

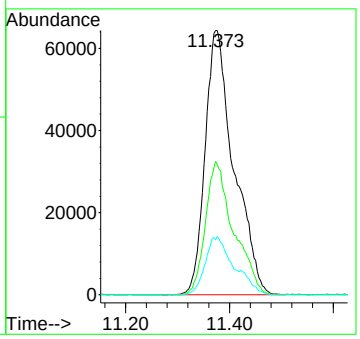


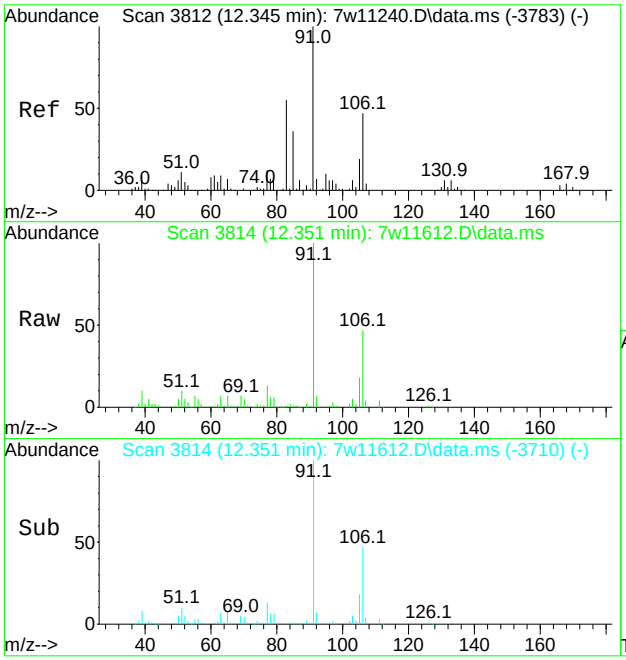


#80
M,P-XYLENE
Concen: 5.1191 PPBV
RT: 11.373 min Scan# 3510
Delta R.T. -0.046 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 91 Resp: 248425

Ion	Ratio	Lower	Upper
91	100		
106	49.3	0.0	55.5
105	22.1	0.0	41.7

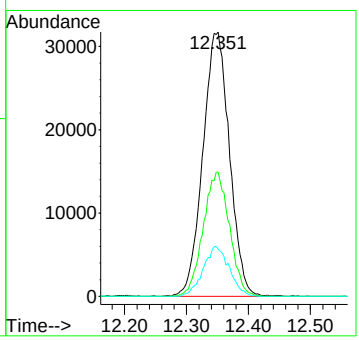


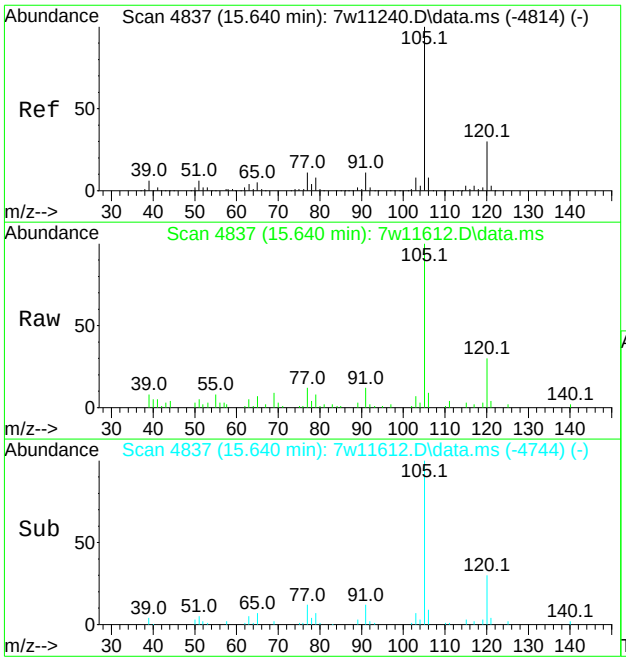


#81
O-XYLENE
Concen: 1.9448 PPBV
RT: 12.351 min Scan# 3814
Delta R.T. 0.006 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion: 91 Resp: 94788

Ion	Ratio	Lower	Upper
91	100		
106	47.0	32.7	60.7
105	17.8	13.2	24.6

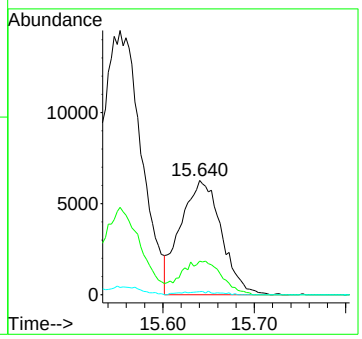


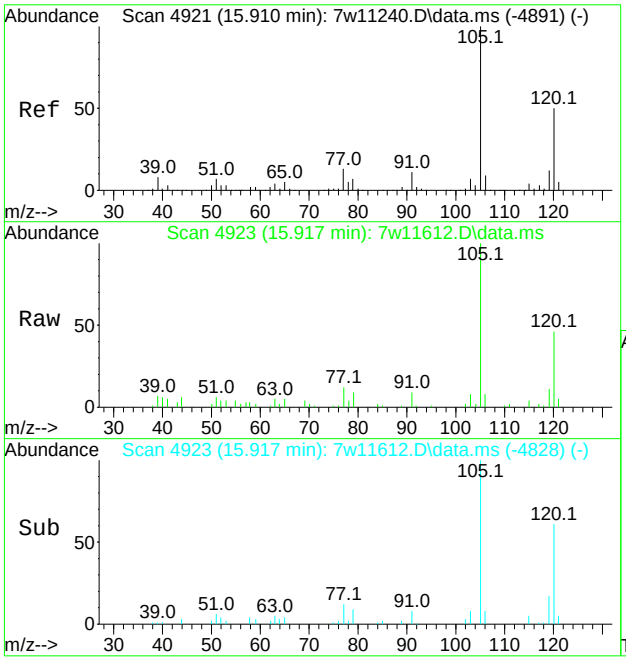


#92
4-ETHYLTOLUENE
Concen: 0.2883 PPBV
RT: 15.640 min Scan# 4837
Delta R.T. 0.000 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion:105 Resp: 19516

Ion	Ratio	Lower	Upper
105	100		
120	29.8	21.1	39.1
119	1.9	1.6	3.0

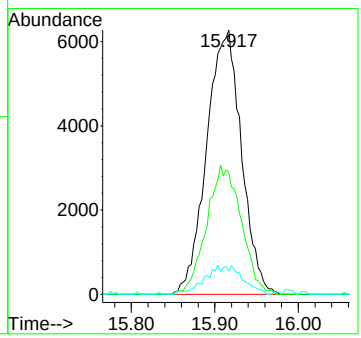


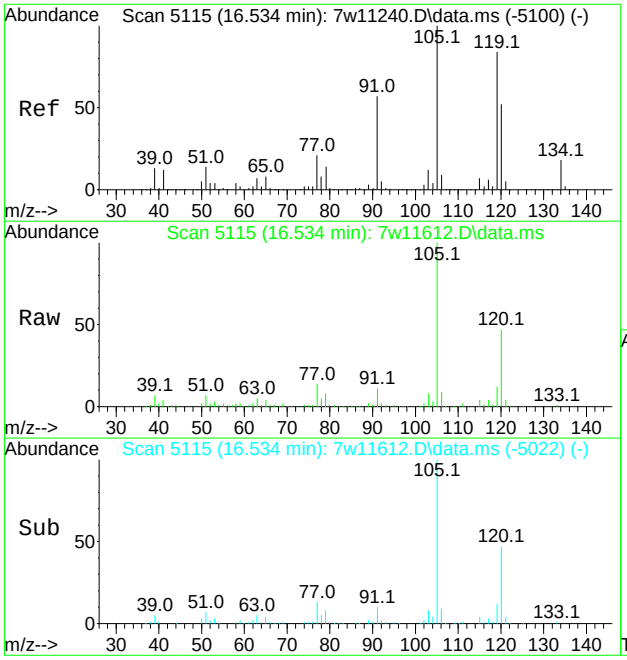


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.3183 PPBV
RT: 15.917 min Scan# 4923
Delta R.T. 0.007 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion:105 Resp: 18134

Ion	Ratio	Lower	Upper
105	100		
120	48.7	34.9	64.7
91	11.7	7.5	13.9

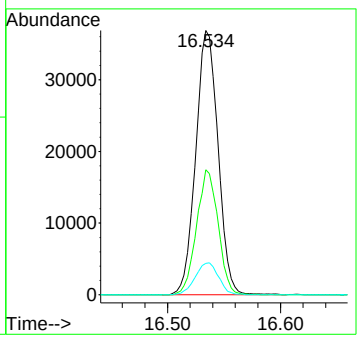




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.8785 PPBV
RT: 16.534 min Scan# 5115
Delta R.T. -0.000 min
Lab File: 7w11612.D
Acq: 9 Jan 2025 9:27 am

Tgt Ion:105 Resp: 50481

Ion	Ratio	Lower	Upper
105	100		
120	45.7	38.8	72.0
119	12.7	74.3	137.9#



Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11608.D
Acq On : 9 Jan 2025 6:45 am
Operator : benk
Sample : je3522-7 Inst : MS7W
Misc : MS88628,v7w416,500,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 10 03:53:38 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

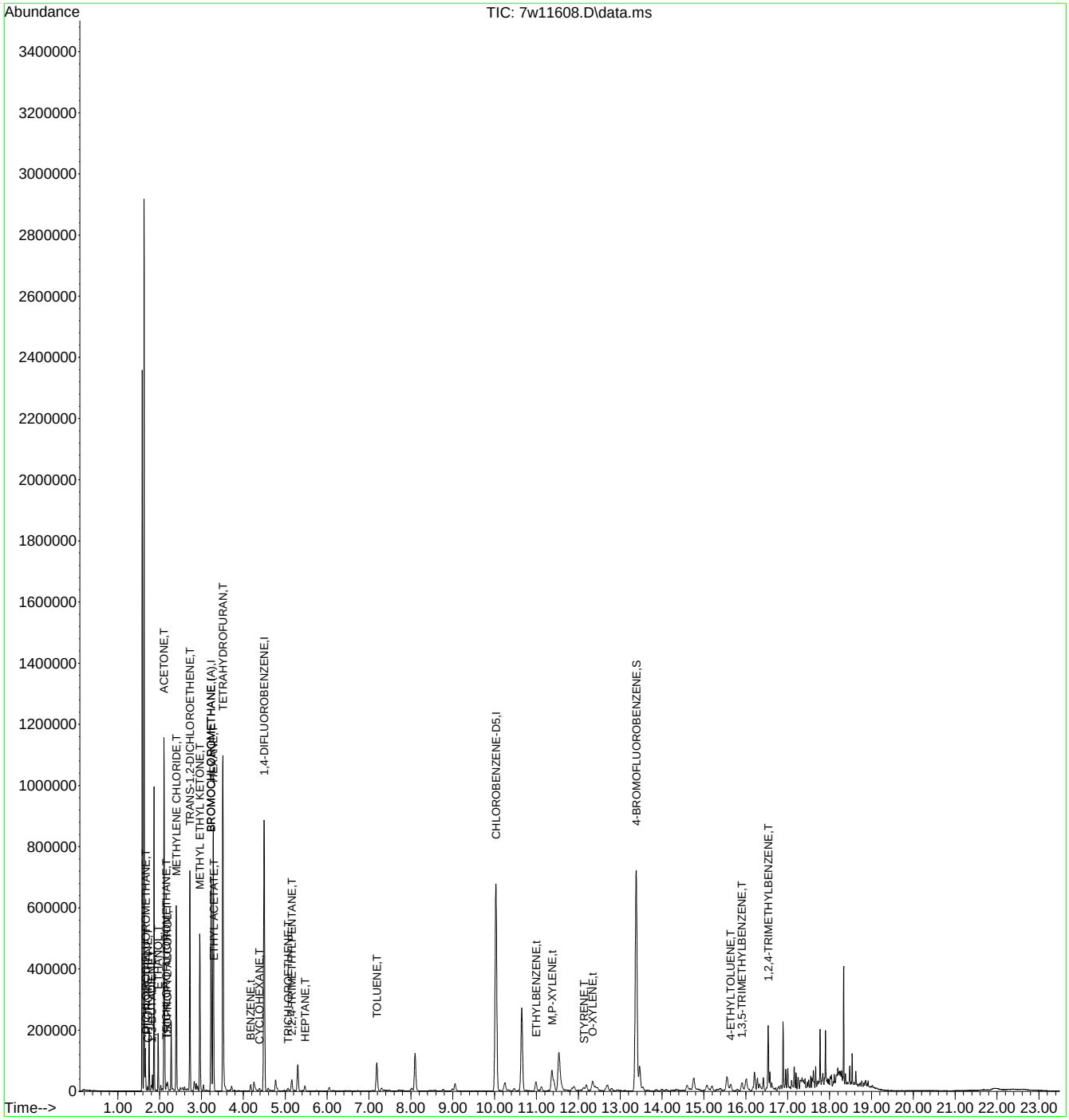
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	136991	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	657648	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.033	117	622832	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	136991	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	452565	10.01	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.670	85	14911	0.4366	PPBV #	93
10) CHLOROMETHANE	1.715	52	1772	0.4997	PPBV	95
12) 1,3-BUTADIENE	1.811	54	1762	0.1805	PPBV #	44
21) TRICHLOROFLUOROMETHANE	2.161	101	9301	0.3092	PPBV	99
22) ISOPROPYL ALCOHOL	2.184	45	20385	0.8032	PPBV	90
23) ACETONE	2.104	58	229356	28.8161	PPBV	94
28) ETHANOL	1.965	45	104190	14.9972	PPBV	99
31) METHYLENE CHLORIDE	2.399	84	78763	7.2641	PPBV	91
34) TRANS-1,2-DICHLOROETHENE	2.721	96	158819	12.8439	PPBV	94
37) TETRAHYDROFURAN	3.509	72	218241	39.8289	PPBV	92
38) HEXANE	3.280	57	283296	12.5566	PPBV #	75
41) METHYL ETHYL KETONE	2.959	72	98499	16.1839	PPBV	87
44) ETHYL ACETATE	3.293	61	3041	0.7035	PPBV #	1
51) BENZENE	4.171	78	15677	0.4285	PPBV	99
53) CYCLOHEXANE	4.383	84	2595	0.1670	PPBV	81
55) TRICHLOROETHENE	5.065	95	2826	0.1690	PPBV	99
60) 2,2,4-TRIMETHYLPENTANE	5.158	57	34399	0.5440	PPBV	93
62) HEPTANE	5.473	43	7396	0.3328	PPBV	99
66) TOLUENE	7.190	91	91140	1.9613	PPBV	100
79) ETHYLBENZENE	10.991	91	36500	0.5950	PPBV	99
80) M,P-XYLENE	11.370	91	97403	2.0255	PPBV	60
81) O-XYLENE	12.341	91	33112	0.6856	PPBV	99
82) STYRENE	12.135	104	5703	0.1649	PPBV #	67
92) 4-ETHYLTOLUENE	15.634	105	24948	0.3719	PPBV #	97
93) 1,3,5-TRIMETHYLBENZENE	15.904	105	27074	0.4796	PPBV	100
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	100845	1.7711	PPBV #	36

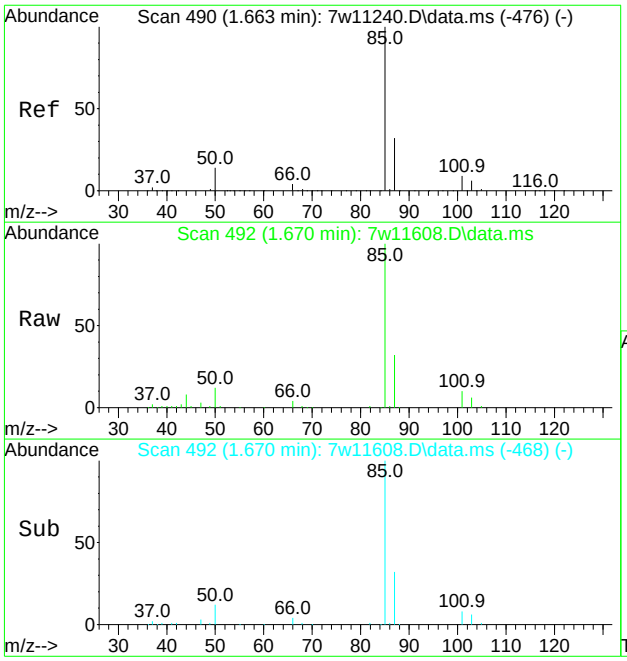
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11608.D
Acq On : 9 Jan 2025 6:45 am
Operator : benk
Sample : je3522-7 Inst : MS7W
Misc : MS88628,v7w416,500,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 10 03:53:38 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

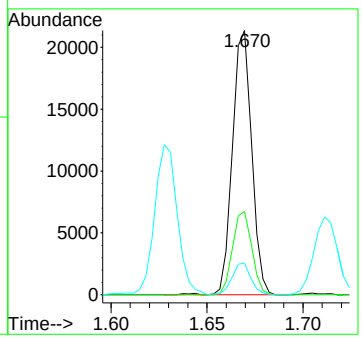


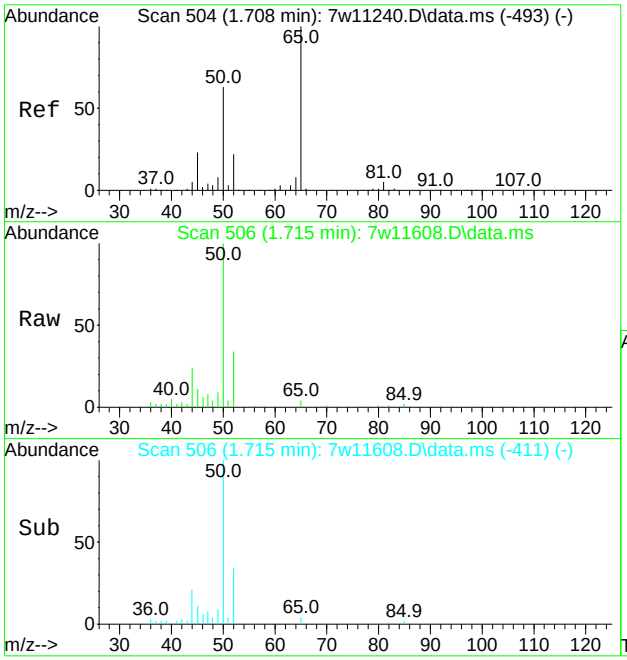


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4366 PPBV
RT: 1.670 min Scan# 492
Delta R.T. 0.006 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 85 Resp: 14911

Ion	Ratio	Lower	Upper
85	100		
87	31.6	22.5	41.7
50	11.8	13.8	25.6#

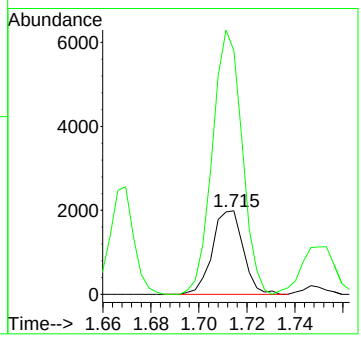


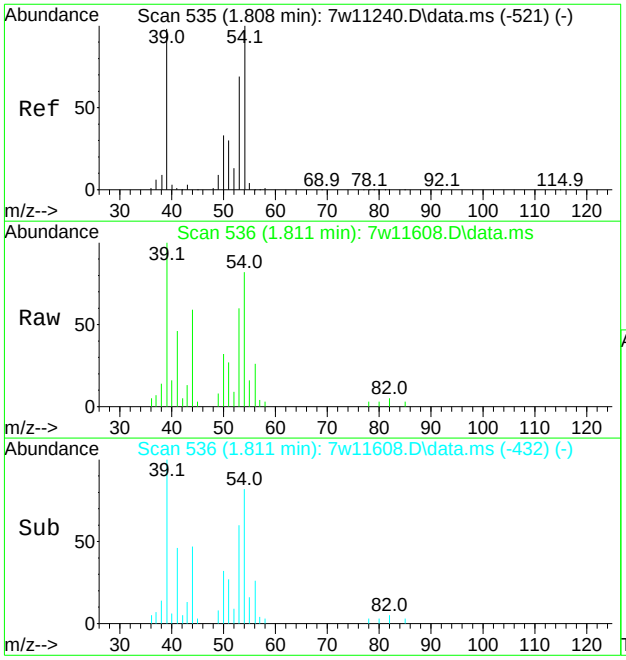


#10
CHLOROMETHANE
Concen: 0.4997 PPBV
RT: 1.715 min Scan# 506
Delta R.T. 0.007 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 52 Resp: 1772

Ion	Ratio	Lower	Upper
52	100		
50	303.8	220.1	408.8

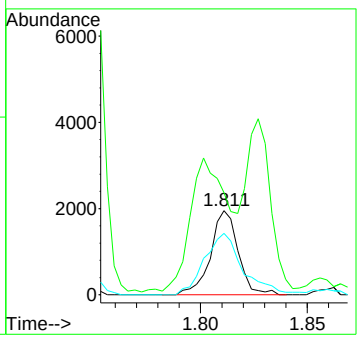


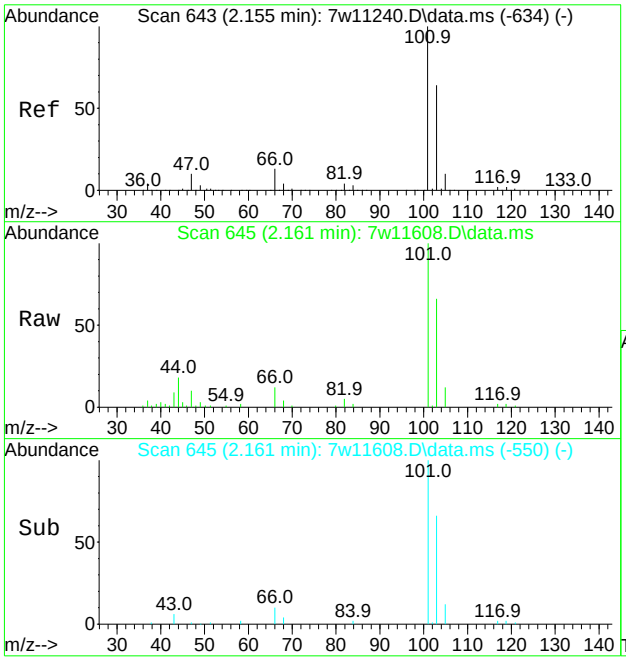


#12
1,3-BUTADIENE
Concen: 0.1805 PPBV
RT: 1.811 min Scan# 536
Delta R.T. 0.003 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 54 Resp: 1762

Ion	Ratio	Lower	Upper
54	100		
39	205.2	98.3	158.3#
53	101.4	41.0	101.0#

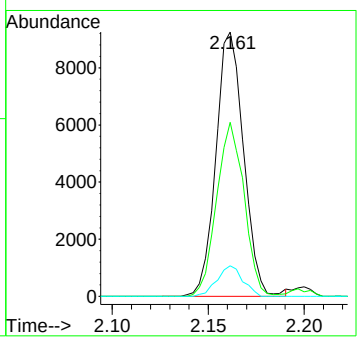


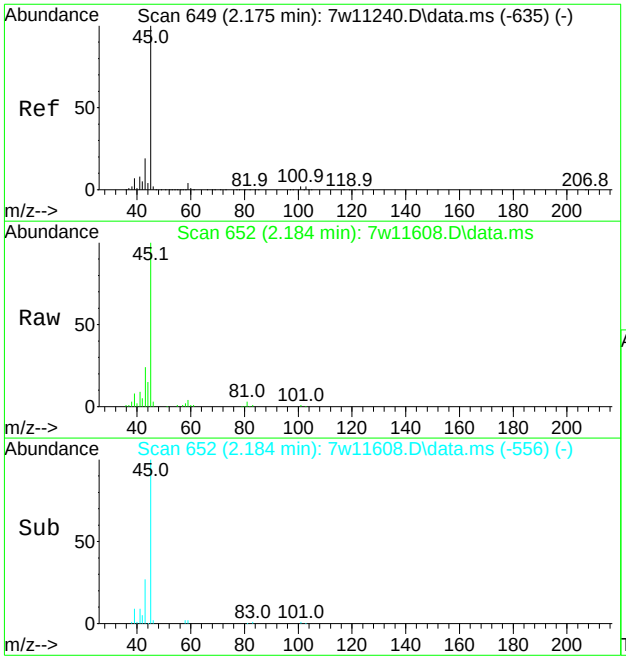


#21
TRICHLOROFLUOROMETHANE
Concen: 0.3092 PPBV
RT: 2.161 min Scan# 645
Delta R.T. 0.006 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion:101 Resp: 9301

Ion	Ratio	Lower	Upper
101	100		
103	65.0	44.9	83.5
105	10.8	7.3	13.5

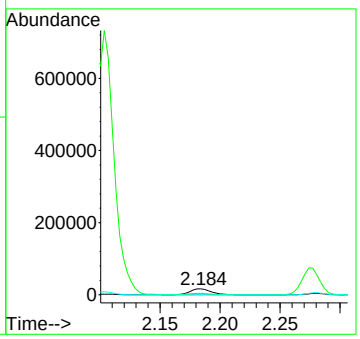


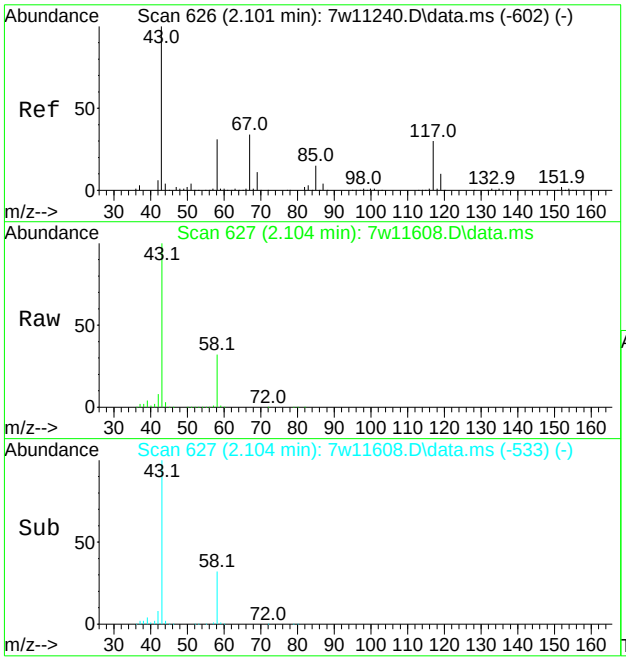


#22
ISOPROPYL ALCOHOL
Concen: 0.8032 PPBV
RT: 2.184 min Scan# 652
Delta R.T. 0.009 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 45 Resp: 20385

Ion	Ratio	Lower	Upper
45	100		
43	25.5	13.9	25.9
59	4.1	2.8	5.2

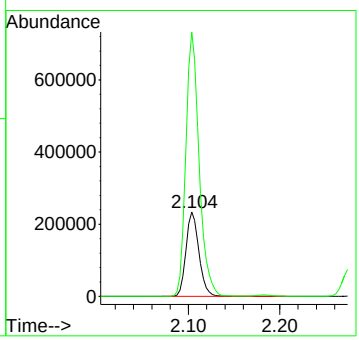


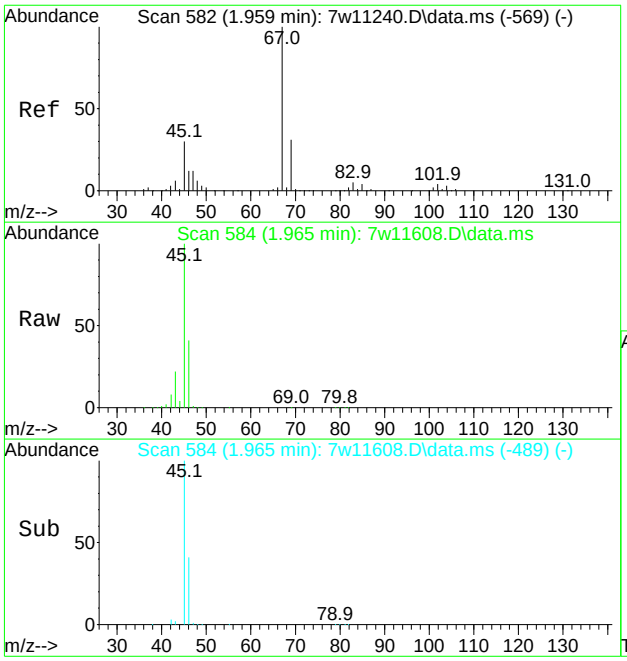


#23
ACETONE
Concen: 28.8161 PPBV
RT: 2.104 min Scan# 627
Delta R.T. 0.003 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 58 Resp: 229356

Ion	Ratio	Lower	Upper
58	100		
43	321.9	234.4	435.2

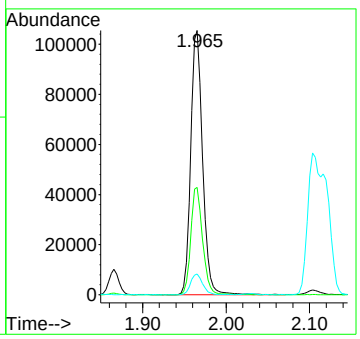


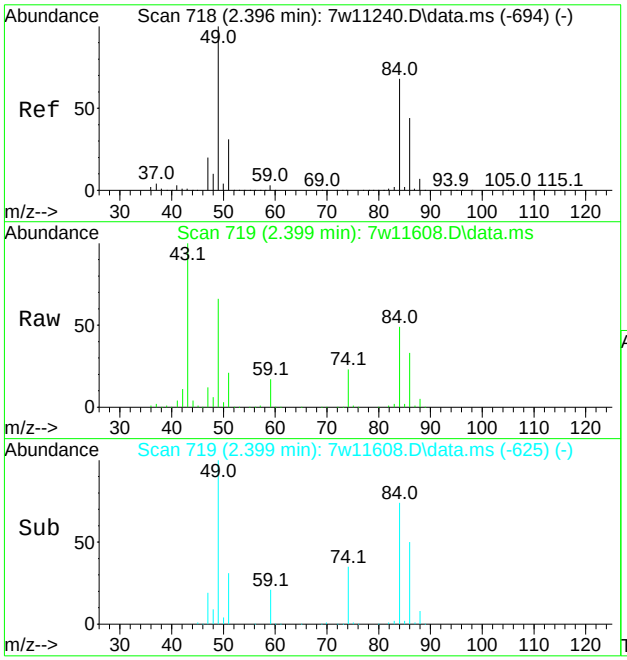


#28
ETHANOL
Concen: 14.9972 PPBV
RT: 1.965 min Scan# 584
Delta R.T. 0.006 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 45 Resp: 104190

Ion	Ratio	Lower	Upper
45	100		
46	40.6	28.6	53.0
42	8.2	6.3	11.7

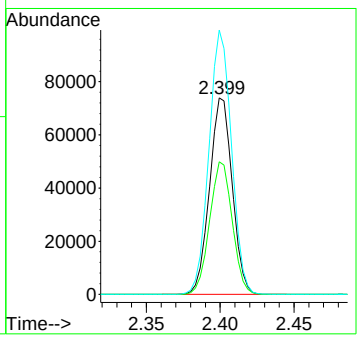


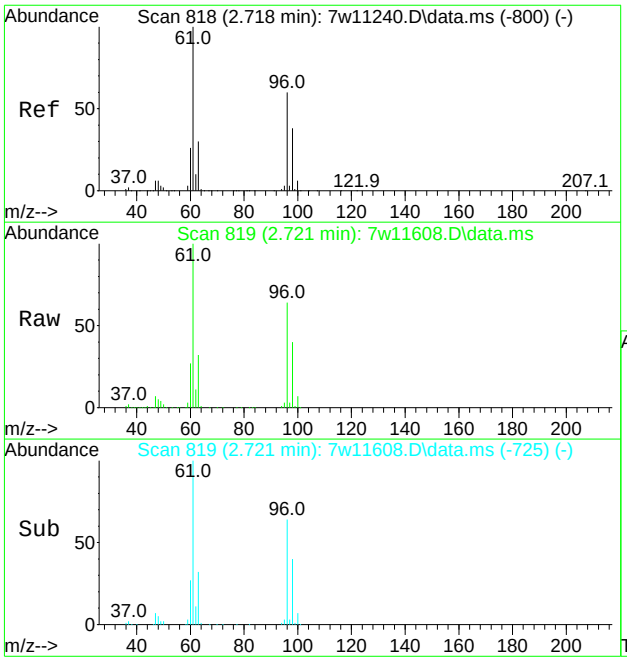


#31
METHYLENE CHLORIDE
Concen: 7.2641 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 84 Resp: 78763

Ion	Ratio	Lower	Upper
84	100		
86	67.1	46.0	85.4
49	133.4	103.9	192.9

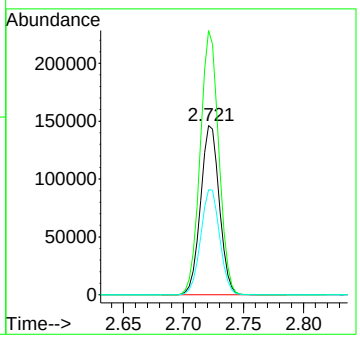


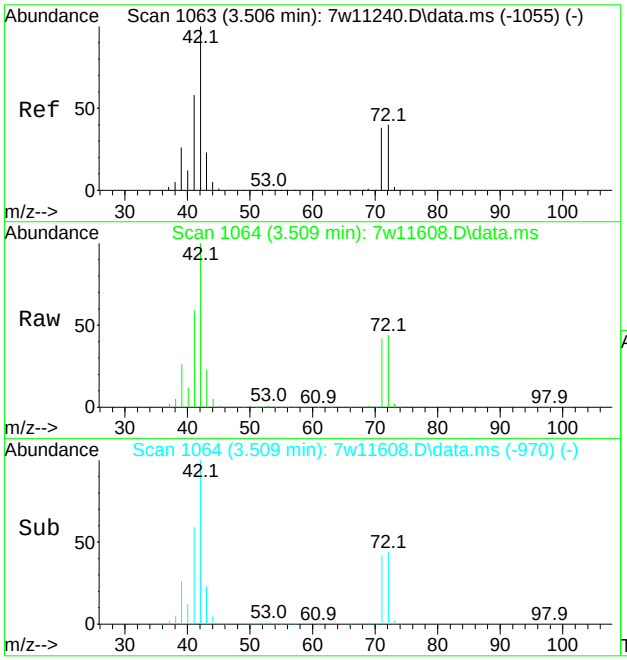


#34
TRANS-1,2-DICHLOROETHENE
Concen: 12.8439 PPBV
RT: 2.721 min Scan# 819
Delta R.T. 0.003 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 96 Resp: 158819

Ion	Ratio	Lower	Upper
96	100		
61	154.5	116.2	215.8
98	63.0	44.2	82.2

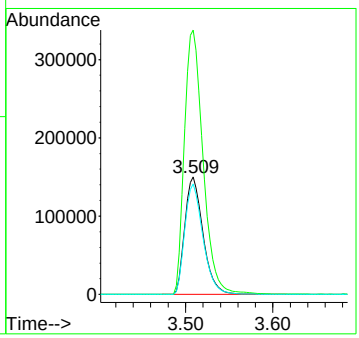


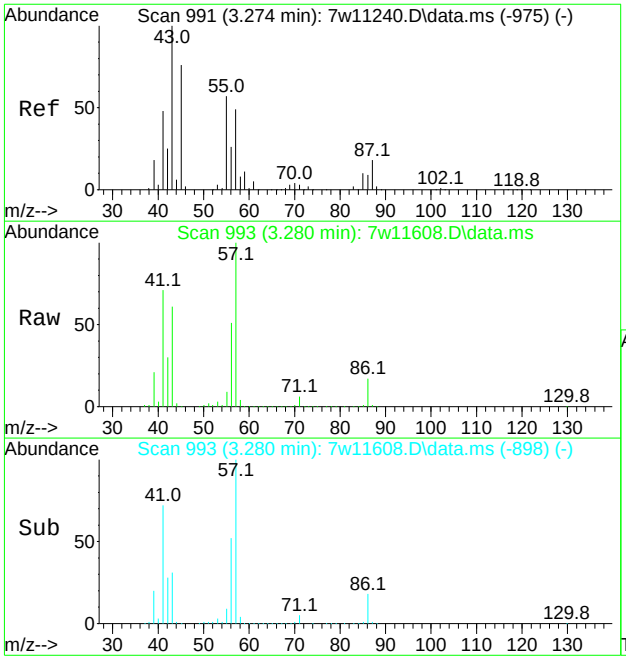


#37
TETRAHYDROFURAN
Concen: 39.8289 PPBV
RT: 3.509 min Scan# 1064
Delta R.T. 0.003 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 72 Resp: 218241

Ion	Ratio	Lower	Upper
72	100		
42	231.0	174.9	324.9
71	94.0	67.2	124.8

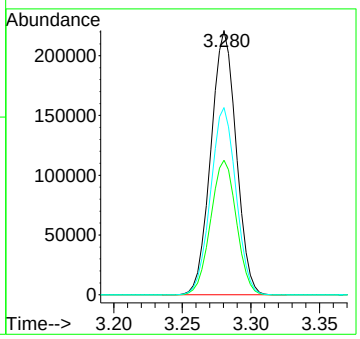


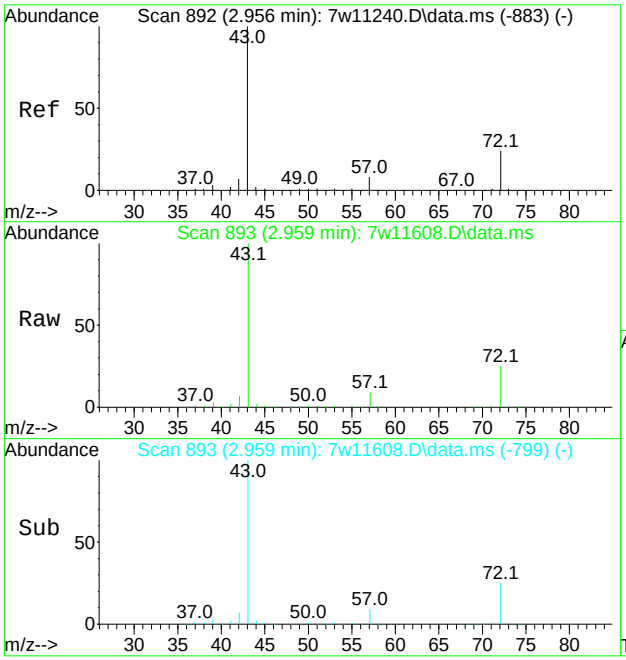


#38
HEXANE
Concen: 12.5566 PPBV
RT: 3.280 min Scan# 993
Delta R.T. 0.006 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 57 Resp: 283296

Ion	Ratio	Lower	Upper
57	100		
56	51.8	37.8	70.2
41	71.1	75.9	140.9#

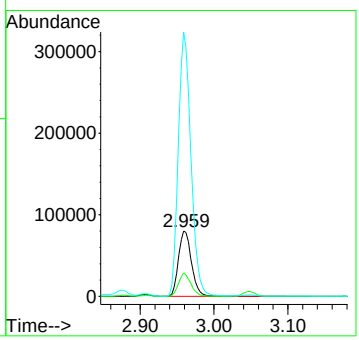


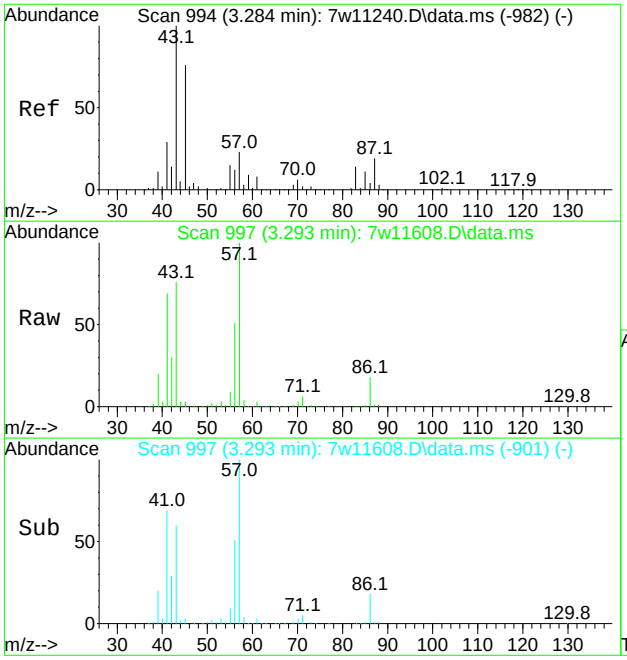


#41
METHYL ETHYL KETONE
Concen: 16.1839 PPBV
RT: 2.959 min Scan# 893
Delta R.T. 0.003 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 72 Resp: 98499

Ion	Ratio	Lower	Upper
72	100		
57	34.2	25.3	46.9
43	393.4	299.6	556.4

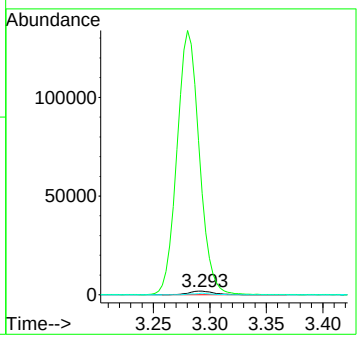


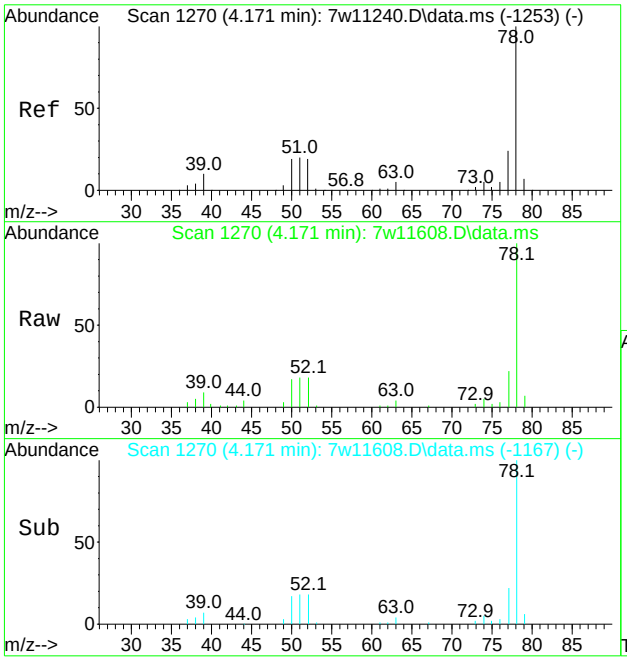


#44
ETHYL ACETATE
Concen: 0.7035 PPBV
RT: 3.293 min Scan# 997
Delta R.T. 0.009 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 61 Resp: 3041

Ion	Ratio	Lower	Upper
61	100		
43	6084.3	1005.1	1866.5#
88	30.2	29.3	54.5

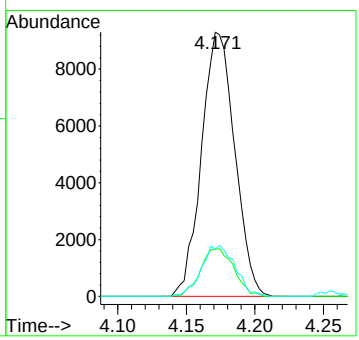


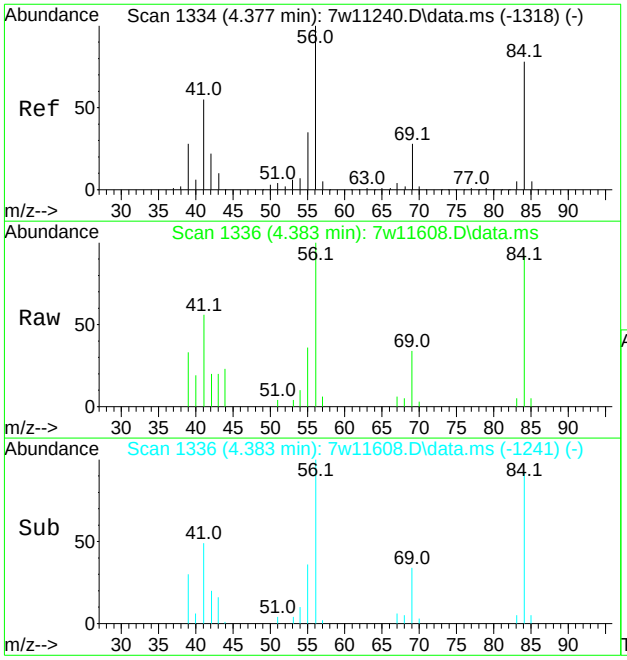


#51
BENZENE
Concen: 0.4285 PPBV
RT: 4.171 min Scan# 1270
Delta R.T. 0.000 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 78 Resp: 15677

Ion	Ratio	Lower	Upper
78	100		
52	18.2	0.0	48.9
51	19.5	0.0	50.2

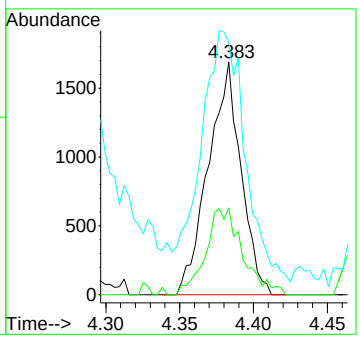


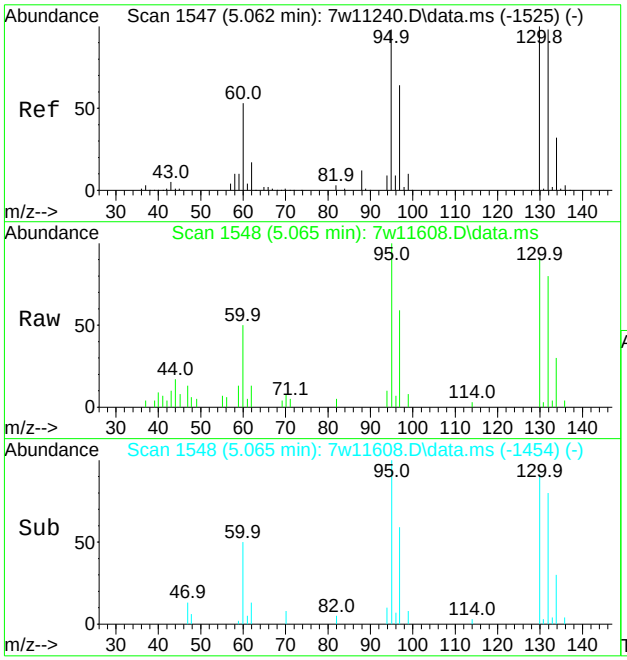


#53
CYCLOHEXANE
Concen: 0.1670 PPBV
RT: 4.383 min Scan# 1336
Delta R.T. 0.006 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 84 Resp: 2595

Ion	Ratio	Lower	Upper
84	100		
69	42.0	24.8	46.0
56	153.1	89.8	166.8

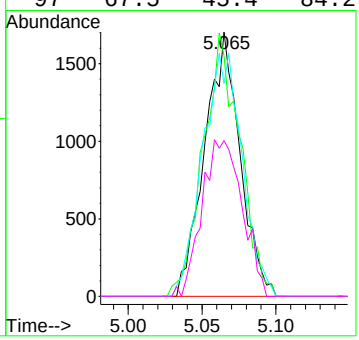


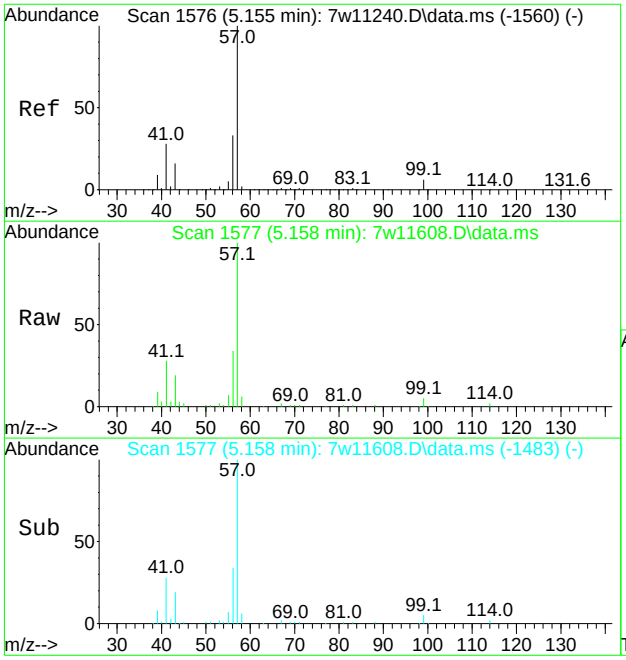


#55
TRICHLOROETHENE
Concen: 0.1690 PPBV
RT: 5.065 min Scan# 1548
Delta R.T. 0.003 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 95 Resp: 2826

Ion	Ratio	Lower	Upper
95	100		
130	104.0	72.8	135.2
132	103.4	71.9	133.5
97	67.5	45.4	84.2

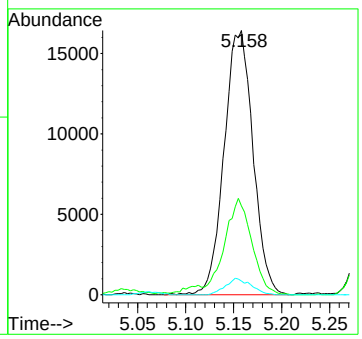


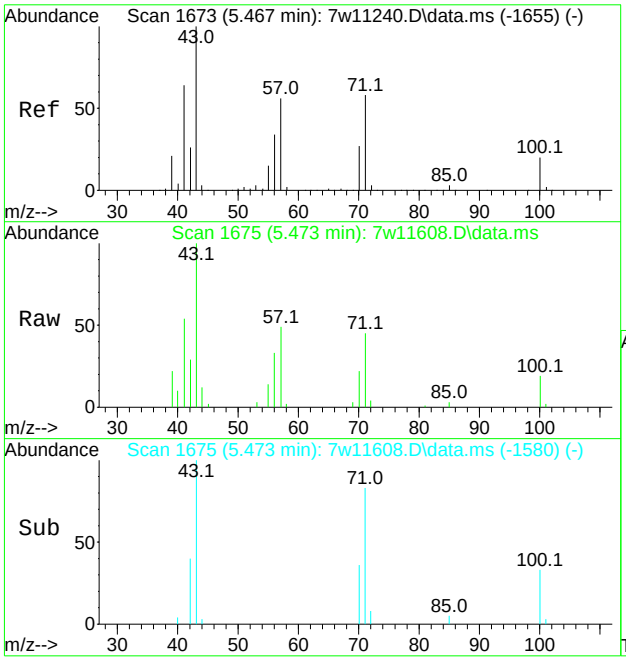


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.5440 PPBV
RT: 5.158 min Scan# 1577
Delta R.T. 0.003 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 57 Resp: 34399

Ion	Ratio	Lower	Upper
57	100		
56	37.2	22.7	42.1
99	5.5	3.9	7.3

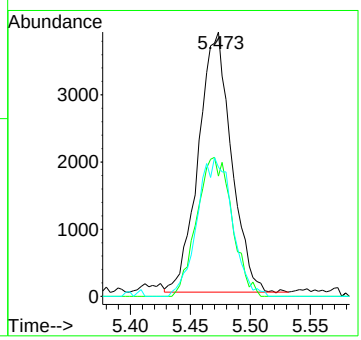


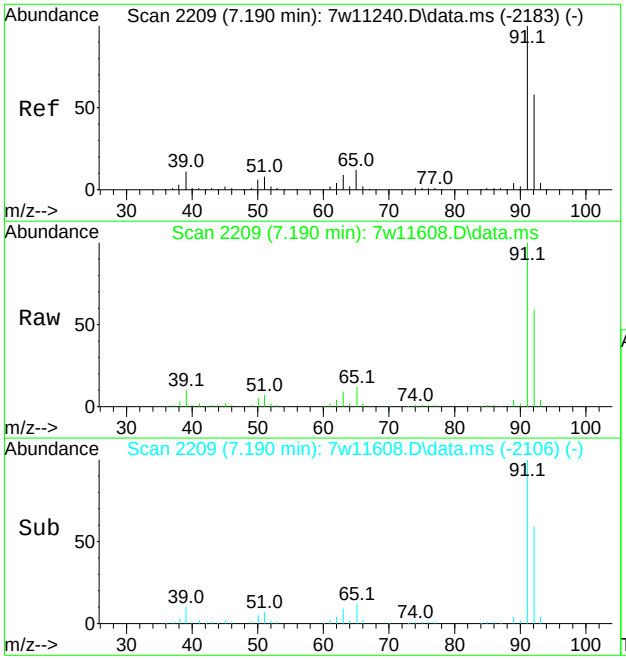


#62
HEPTANE
Concen: 0.3328 PPBV
RT: 5.473 min Scan# 1675
Delta R.T. 0.006 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 43 Resp: 7396

Ion	Ratio	Lower	Upper
43	100		
71	56.9	40.0	74.4
57	56.7	38.9	72.2

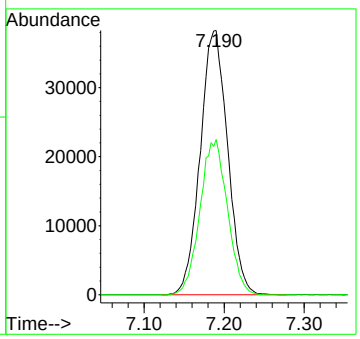


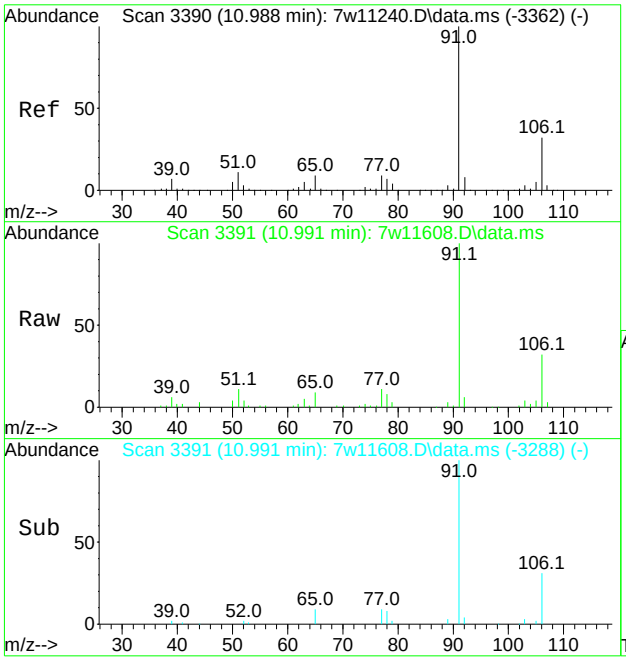


#66
TOLUENE
Concen: 1.9613 PPBV
RT: 7.190 min Scan# 2209
Delta R.T. 0.000 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 91 Resp: 91140

Ion	Ratio	Lower	Upper
91	100		
92	58.7	29.0	89.0

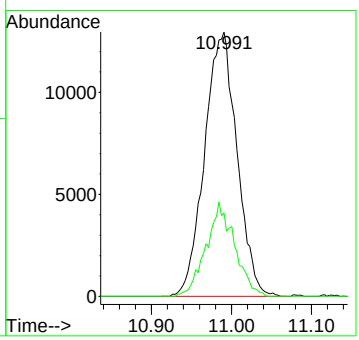


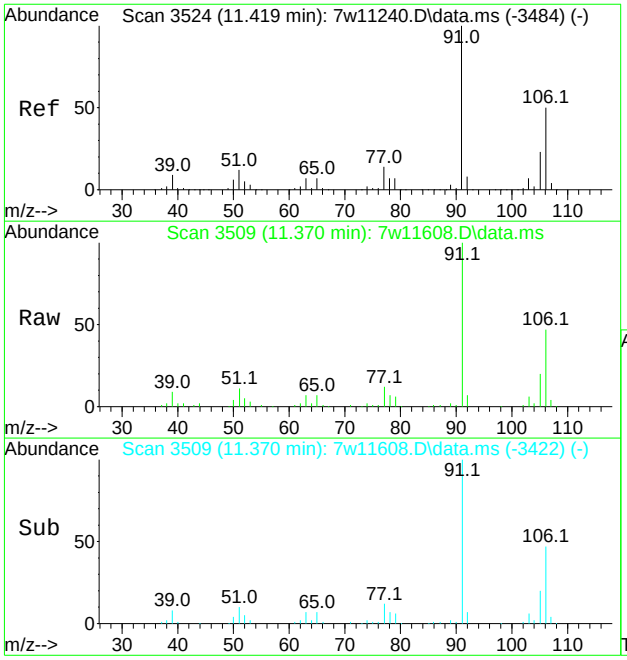


#79
ETHYLBENZENE
Concen: 0.5950 PPBV
RT: 10.991 min Scan# 3391
Delta R.T. 0.003 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 91 Resp: 36500

Ion	Ratio	Lower	Upper
91	100		
106	31.2	1.6	61.6

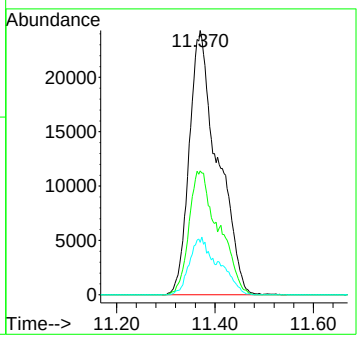


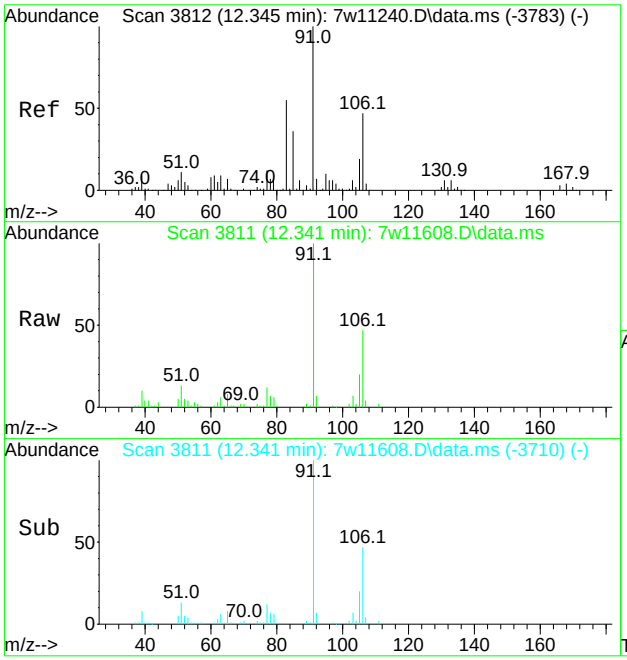


#80
M,P-XYLENE
Concen: 2.0255 PPBV
RT: 11.370 min Scan# 3509
Delta R.T. -0.049 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 91 Resp: 97403

Ion	Ratio	Lower	Upper
91	100		
106	49.1	0.0	55.5
105	22.2	0.0	41.7

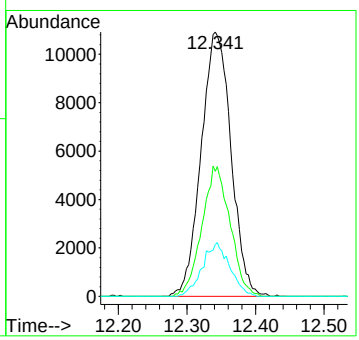


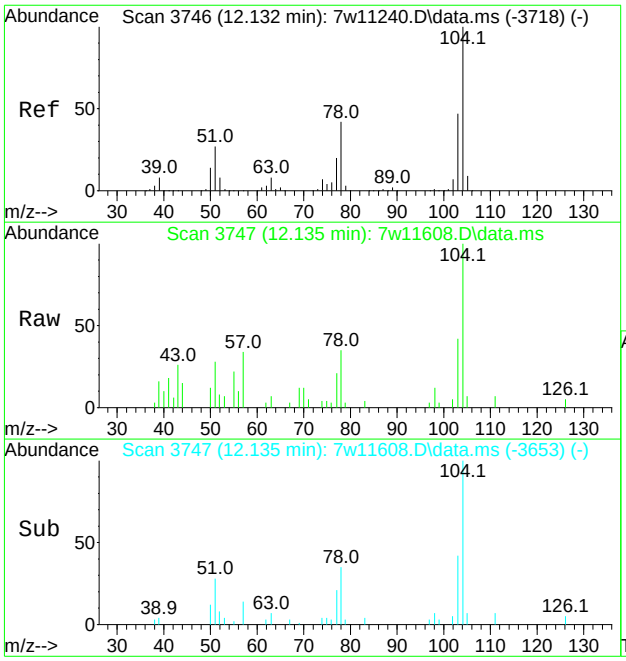


#81
O-XYLENE
Concen: 0.6856 PPBV
RT: 12.341 min Scan# 3811
Delta R.T. -0.004 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion: 91 Resp: 33112

Ion	Ratio	Lower	Upper
91	100		
106	47.3	32.7	60.7
105	19.6	13.2	24.6

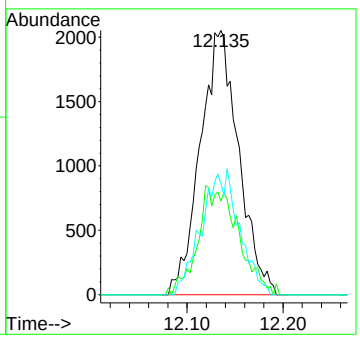


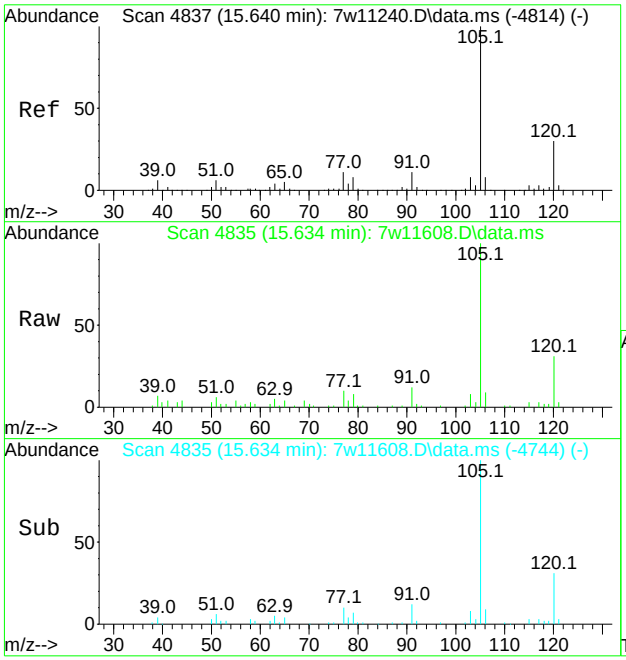


#82
STYRENE
Concen: 0.1649 PPBV
RT: 12.135 min Scan# 3747
Delta R.T. 0.003 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion:104 Resp: 5703

Ion	Ratio	Lower	Upper
104	100		
78	0.0	30.0	55.6#
103	46.3	33.0	61.4

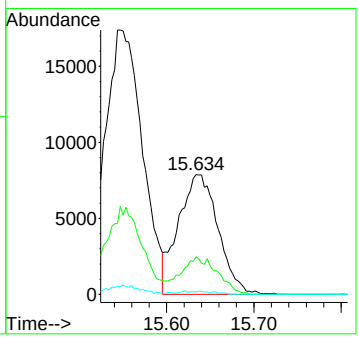


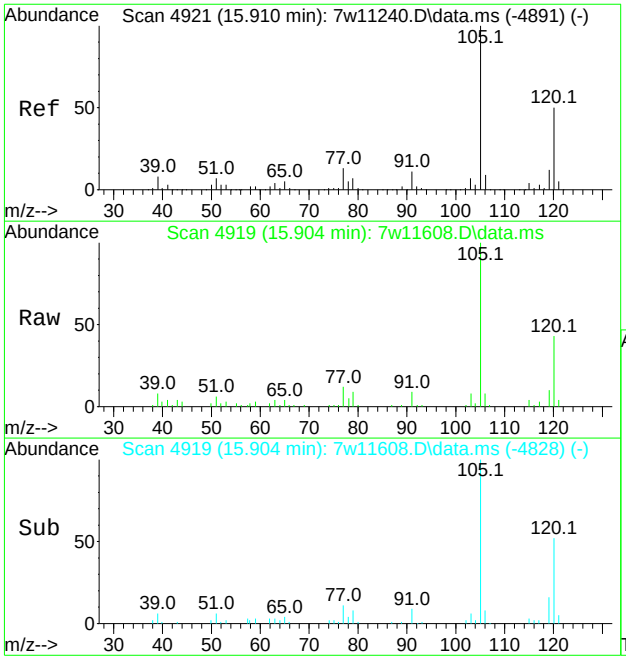


#92
4-ETHYLTOLUENE
Concen: 0.3719 PPBV
RT: 15.634 min Scan# 4835
Delta R.T. -0.006 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion:105 Resp: 24948

Ion	Ratio	Lower	Upper
105	100		
120	28.4	21.1	39.1
119	1.1	1.6	3.0#

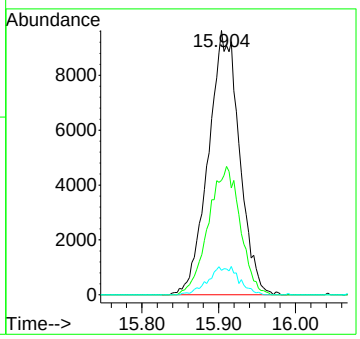


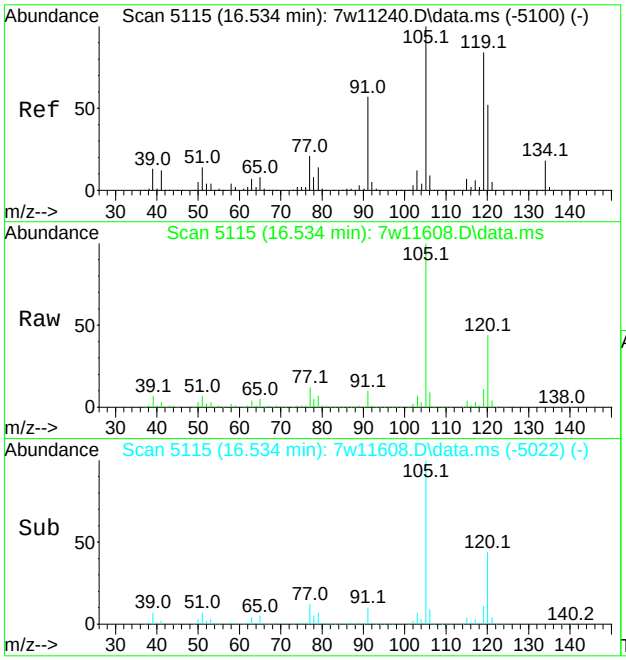


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.4796 PPBV
RT: 15.904 min Scan# 4919
Delta R.T. -0.006 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion:105 Resp: 27074

Ion	Ratio	Lower	Upper
105	100		
120	49.6	34.9	64.7
91	10.6	7.5	13.9

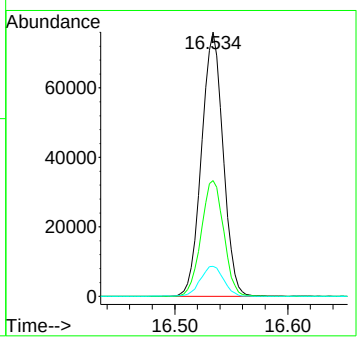




#96
1,2,4-TRIMETHYLBENZENE
Concen: 1.7711 PPBV
RT: 16.534 min Scan# 5115
Delta R.T. -0.000 min
Lab File: 7w11608.D
Acq: 9 Jan 2025 6:45 am

Tgt Ion:105 Resp: 100845

Ion	Ratio	Lower	Upper
105	100		
120	45.6	38.8	72.0
119	12.4	74.3	137.9#



Quantitation Report (LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11613.D
Acq On : 9 Jan 2025 10:07 am
Operator : benk
Sample : je3522-8 Inst : MS7W
Misc : MS88628,v7w416,200,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:52:50 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

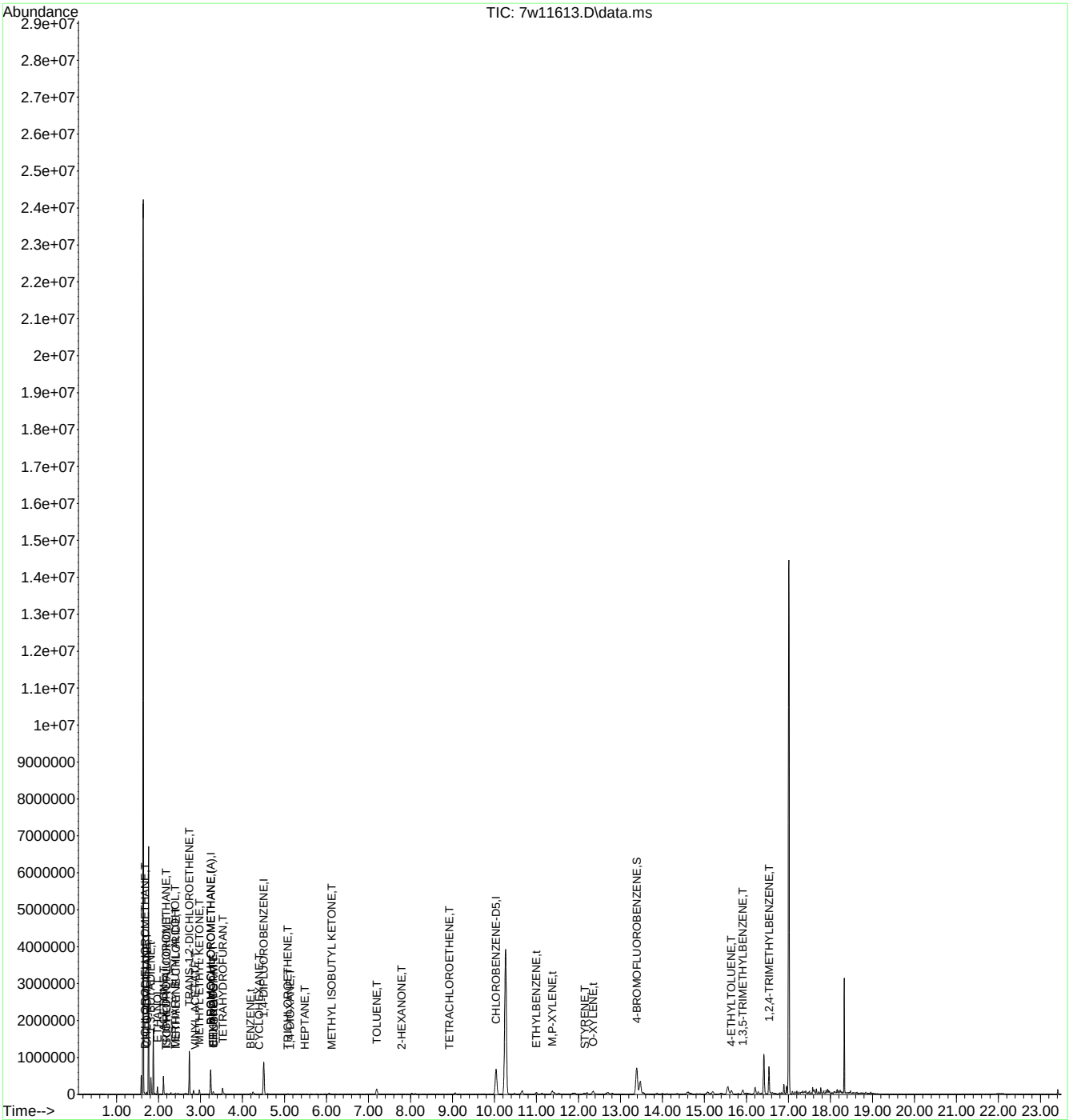
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.242	128	133603	10.00	PPBV	0.02
52) 1,4-DIFLUOROBENZENE	4.505	114	650007	10.00	PPBV	0.01
76) CHLOROBENZENE-D5	10.039	117	622313	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.242	128	133581	10.00	PPBV	0.02
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	453622	10.05	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.673	85	10981	0.3296	PPBV #	94
10) CHLOROMETHANE	1.718	52	512	0.1481	PPBV	89
12) 1,3-BUTADIENE	1.821	54	103375	10.8574	PPBV	84
21) TRICHLOROFLUOROMETHANE	2.174	101	3541	0.1207	PPBV	97
22) ISOPROPYL ALCOHOL	2.194	45	16785	0.6782	PPBV	95
23) ACETONE	2.116	58	96471	12.4279	PPBV	92
28) ETHANOL	1.975	45	113291	16.7208	PPBV	99
31) METHYLENE CHLORIDE	2.412	84	1404	0.1328	PPBV	96
34) TRANS-1,2-DICHLOROETHENE	2.734	96	260394	21.5924	PPBV	93
35) TERTIARY BUTYL ALCOHOL	2.396	59	13537	0.4756	PPBV #	1
37) TETRAHYDROFURAN	3.525	72	34982	6.5461	PPBV	92
38) HEXANE	3.290	57	2977	0.1353	PPBV	94
39) VINYL ACETATE	2.869	86	731	0.2240	PPBV #	97
41) METHYL ETHYL KETONE	2.972	72	25535	4.3019	PPBV	84
44) ETHYL ACETATE	3.300	61	8456	2.0058	PPBV #	1
46) CHLOROFORM	3.313	83	6839	0.2801	PPBV	89
51) BENZENE	4.187	78	18843	0.5281	PPBV	99
53) CYCLOHEXANE	4.393	84	2315	0.1507	PPBV	78
55) TRICHLOROETHENE	5.071	95	3349	0.2027	PPBV	99
61) 1,4-DIOXANE	5.129	88	2316	0.2514	PPBV #	73
62) HEPTANE	5.480	43	5089	0.2317	PPBV	96
64) METHYL ISOBUTYL KETONE	6.123	58	1538	0.1173	PPBV	94
66) TOLUENE	7.197	91	146603	3.1919	PPBV	99
70) 2-HEXANONE	7.785	58	2053	0.1003	PPBV #	24
72) TETRACHLOROETHENE	8.920	164	3397	0.1952	PPBV	97
79) ETHYLBENZENE	10.994	91	57848	0.9438	PPBV	99
80) M,P-XYLENE	11.376	91	125327	2.6083	PPBV	59
81) O-XYLENE	12.351	91	86329	1.7889	PPBV	98
82) STYRENE	12.145	104	8763	0.2535	PPBV	98
92) 4-ETHYLTOLUENE	15.637	105	120110	1.7921	PPBV	100
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	110945	1.9670	PPBV	99
96) 1,2,4-TRIMETHYLBENZENE	16.537	105	358824	6.3071	PPBV #	36

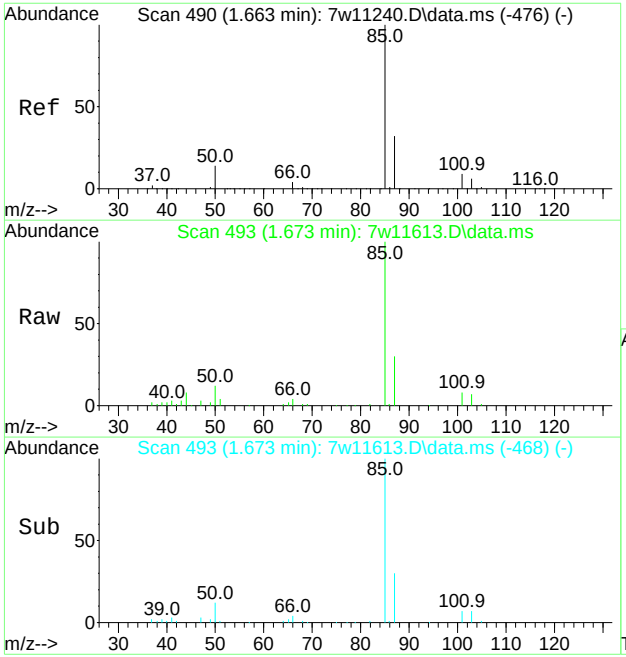
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11613.D
Acq On : 9 Jan 2025 10:07 am
Operator : benk
Sample : je3522-8 Inst : MS7W
Misc : MS88628,v7w416,200,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:52:50 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

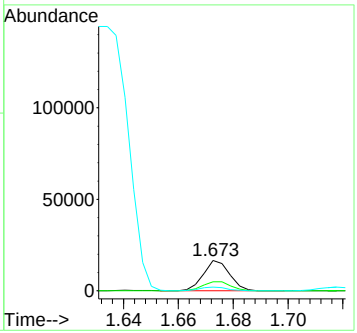


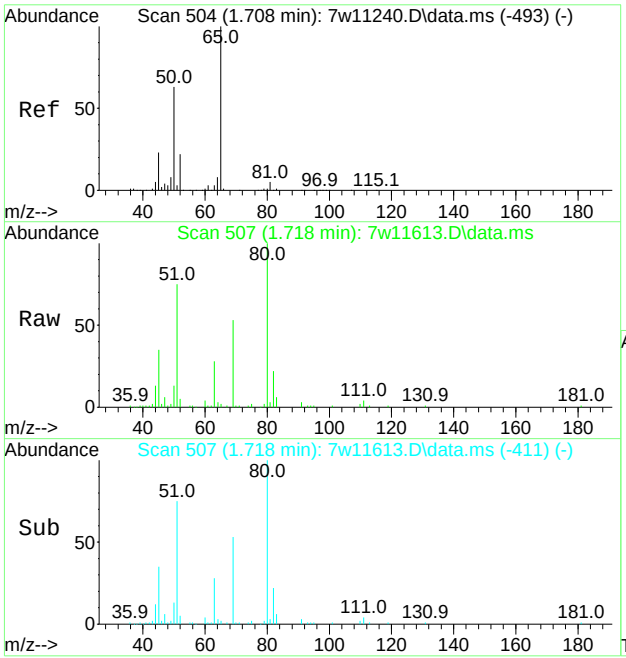


#6
DICHLORODIFLUOROMETHANE
Concen: 0.3296 PPBV
RT: 1.673 min Scan# 493
Delta R.T. 0.010 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 85 Resp: 10981

Ion	Ratio	Lower	Upper
85	100		
87	32.2	22.5	41.7
50	12.5	13.8	25.6#

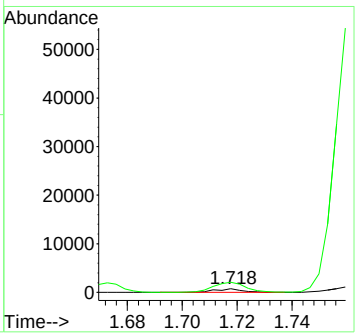


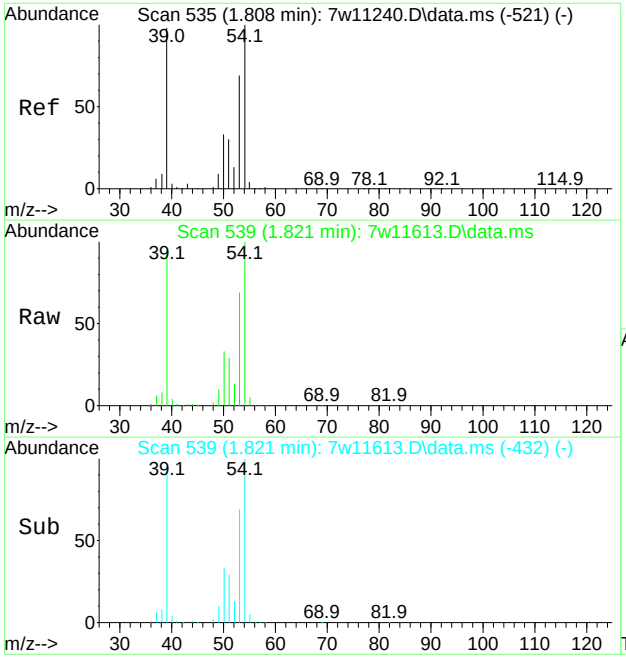


#10
CHLOROMETHANE
Concen: 0.1481 PPBV
RT: 1.718 min Scan# 507
Delta R.T. 0.010 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 52 Resp: 512

Ion	Ratio	Lower	Upper
52	100		
50	336.5	220.1	408.8

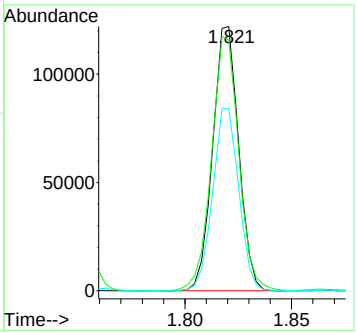


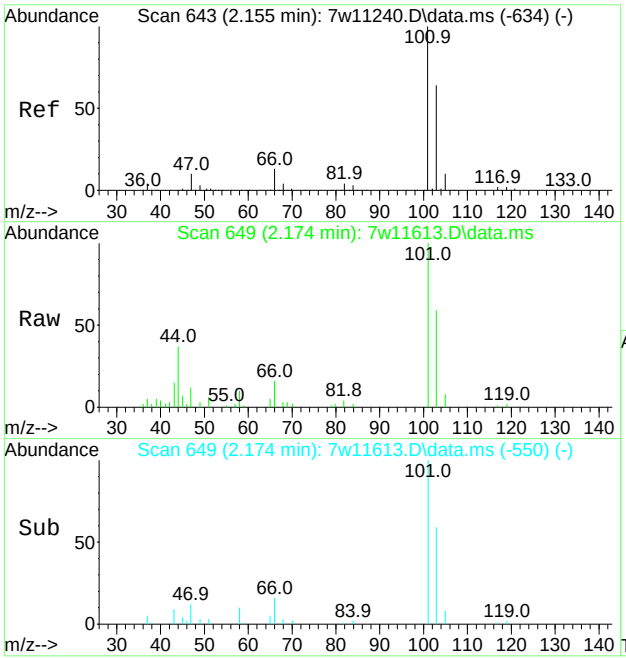


#12
1,3-BUTADIENE
Concen: 10.8574 PPBV
RT: 1.821 min Scan# 539
Delta R.T. 0.013 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 54 Resp: 103375

Ion	Ratio	Lower	Upper
54	100		
39	101.1	98.3	158.3
53	69.7	41.0	101.0

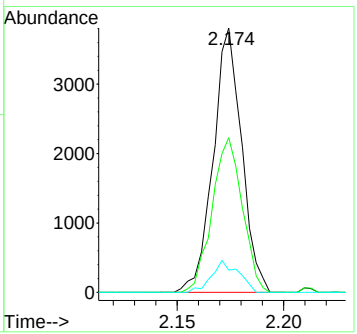


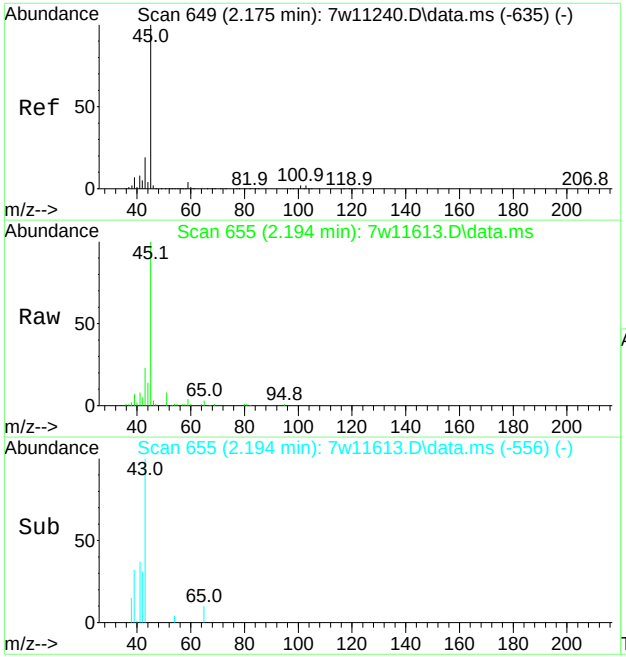


#21
TRICHLOROFLUOROMETHANE
Concen: 0.1207 PPBV
RT: 2.174 min Scan# 649
Delta R.T. 0.019 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion:101 Resp: 3541

Ion	Ratio	Lower	Upper
101	100		
103	61.9	44.9	83.5
105	11.3	7.3	13.5

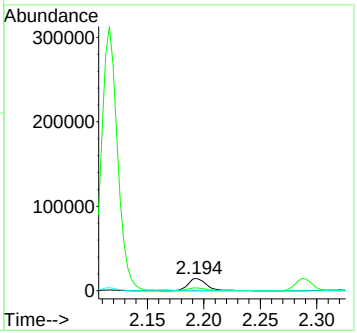


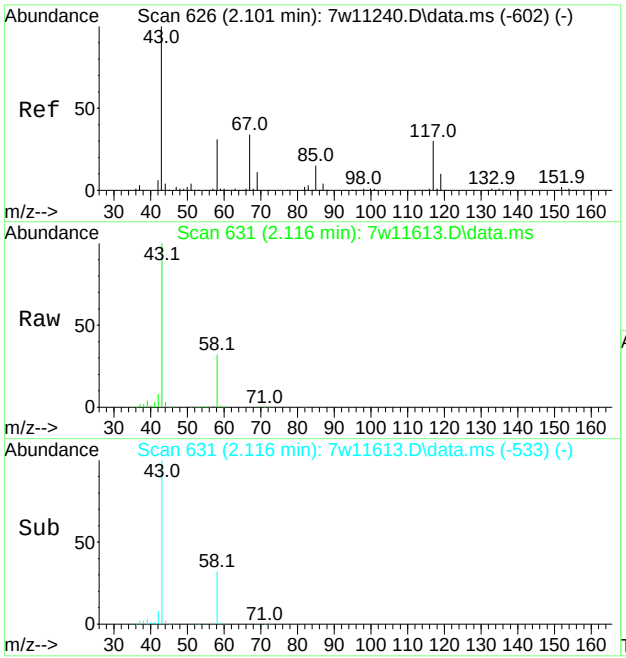


#22
ISOPROPYL ALCOHOL
Concen: 0.6782 PPBV
RT: 2.194 min Scan# 655
Delta R.T. 0.019 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 45 Resp: 16785

Ion	Ratio	Lower	Upper
45	100		
43	22.8	13.9	25.9
59	4.0	2.8	5.2

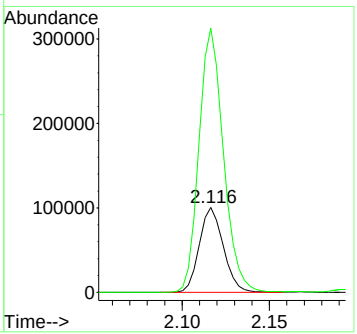


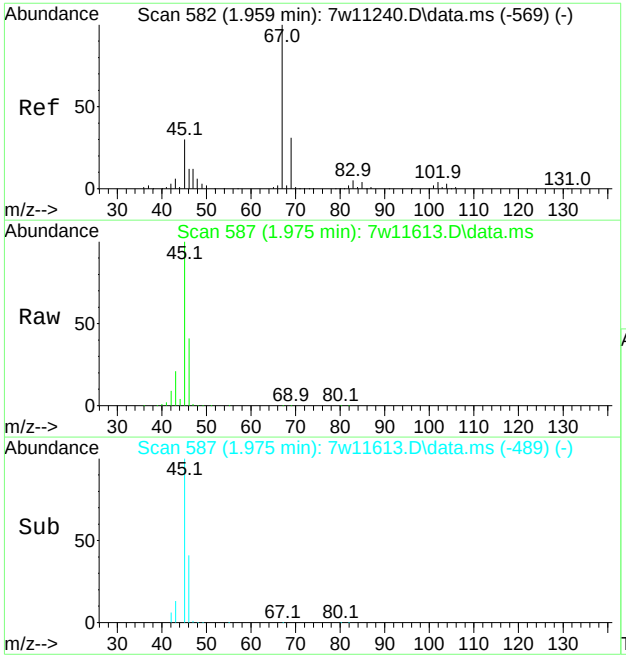


#23
ACETONE
Concen: 12.4279 PPBV
RT: 2.116 min Scan# 631
Delta R.T. 0.015 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 58 Resp: 96471

Ion	Ratio	Lower	Upper
58	100		
43	316.9	234.4	435.2

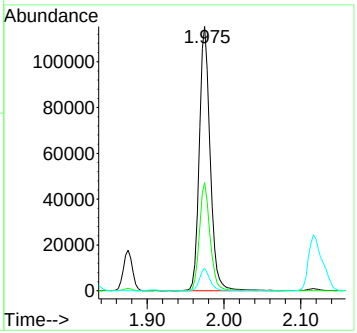


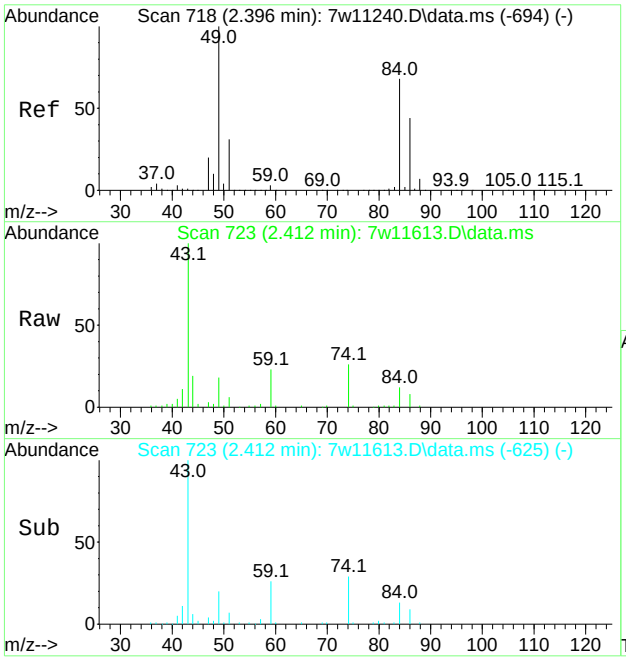


#28
ETHANOL
Concen: 16.7208 PPBV
RT: 1.975 min Scan# 587
Delta R.T. 0.016 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 45 Resp: 113291

Ion	Ratio	Lower	Upper
45	100		
46	40.2	28.6	53.0
42	8.1	6.3	11.7

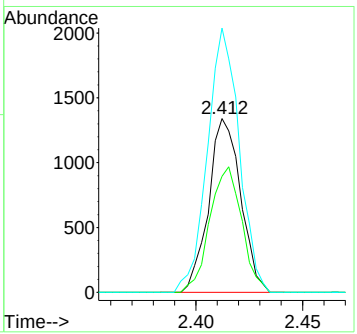


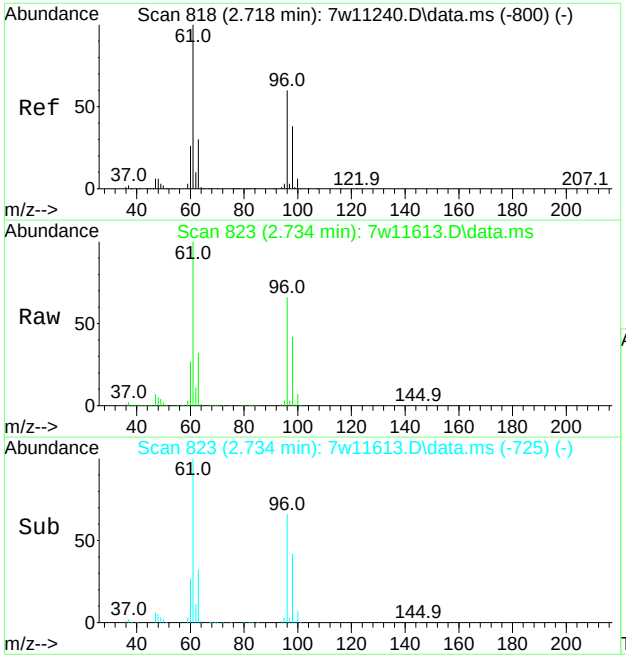


#31
METHYLENE CHLORIDE
Concen: 0.1328 PPBV
RT: 2.412 min Scan# 723
Delta R.T. 0.016 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 84 Resp: 1404

Ion	Ratio	Lower	Upper
84	100		
86	72.1	46.0	85.4
49	150.9	103.9	192.9

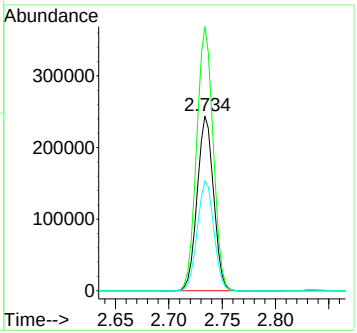


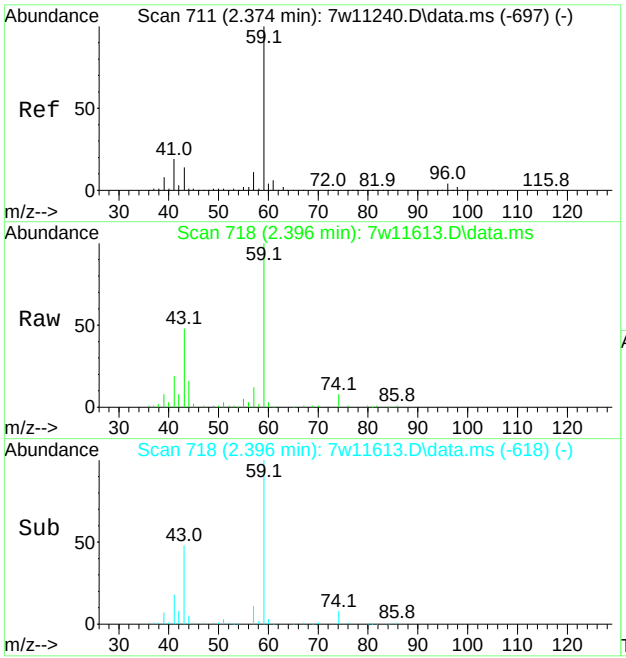


#34
TRANS-1,2-DICHLOROETHENE
Concen: 21.5924 PPBV
RT: 2.734 min Scan# 823
Delta R.T. 0.016 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 96 Resp: 260394

Ion	Ratio	Lower	Upper
96	100		
61	152.2	116.2	215.8
98	63.4	44.2	82.2

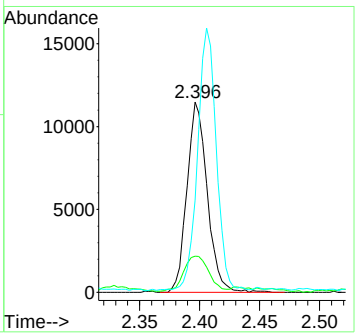


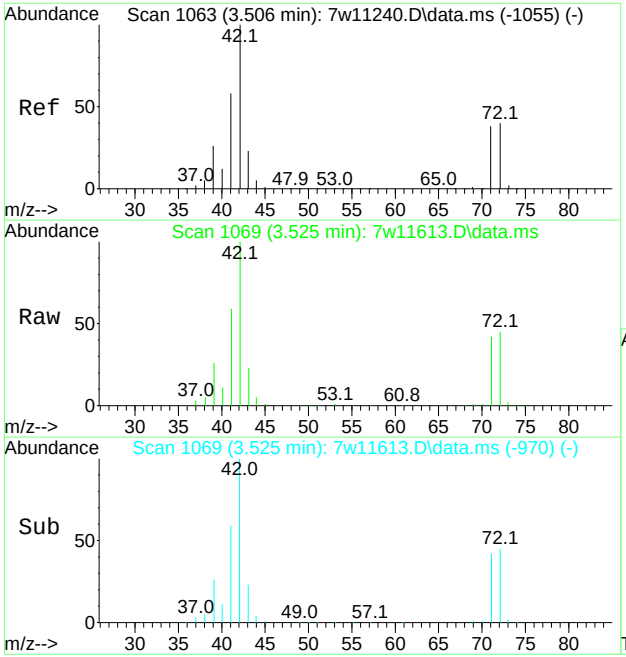


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.4756 PPBV
RT: 2.396 min Scan# 718
Delta R.T. 0.022 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 59 Resp: 13537

Ion	Ratio	Lower	Upper
59	100		
41	22.3	14.3	26.5
43	128.0	9.9	18.5#

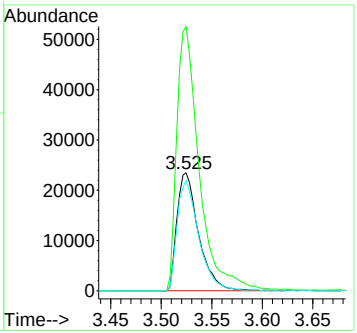


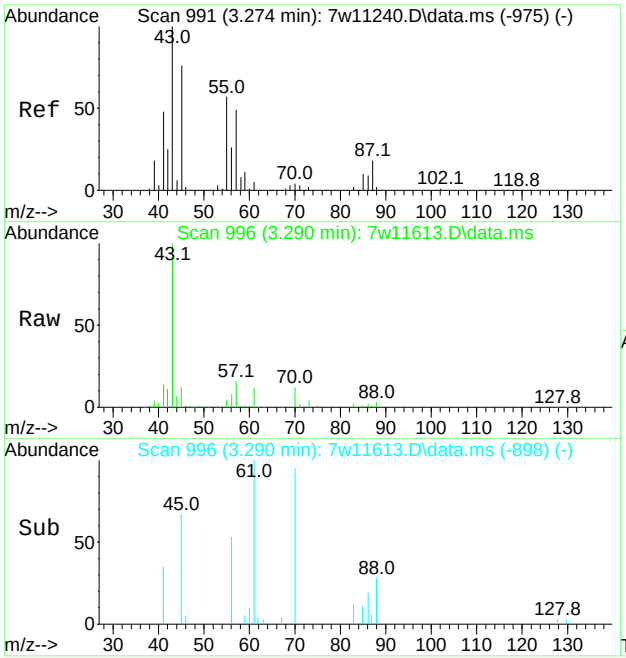


#37
TETRAHYDROFURAN
Concen: 6.5461 PPBV
RT: 3.525 min Scan# 1069
Delta R.T. 0.019 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 72 Resp: 34982

Ion	Ratio	Lower	Upper
72	100		
42	233.2	174.9	324.9
71	92.9	67.2	124.8

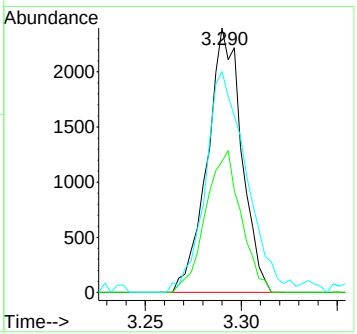


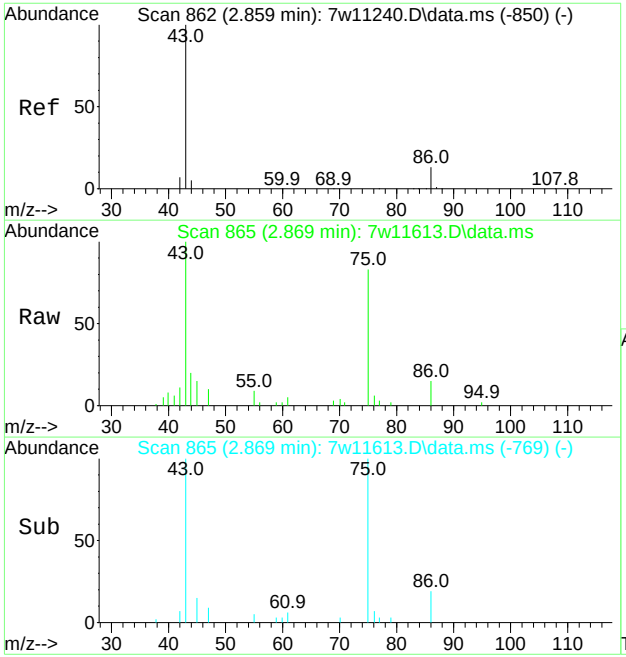


#38
HEXANE
Concen: 0.1353 PPBV
RT: 3.290 min Scan# 996
Delta R.T. 0.016 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 57 Resp: 2977

Ion	Ratio	Lower	Upper
57	100		
56	55.5	37.8	70.2
41	100.3	75.9	140.9

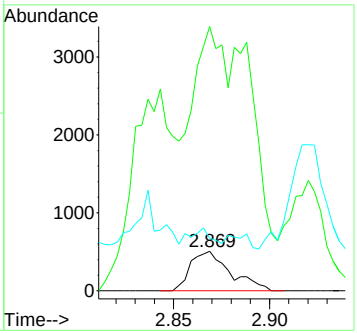


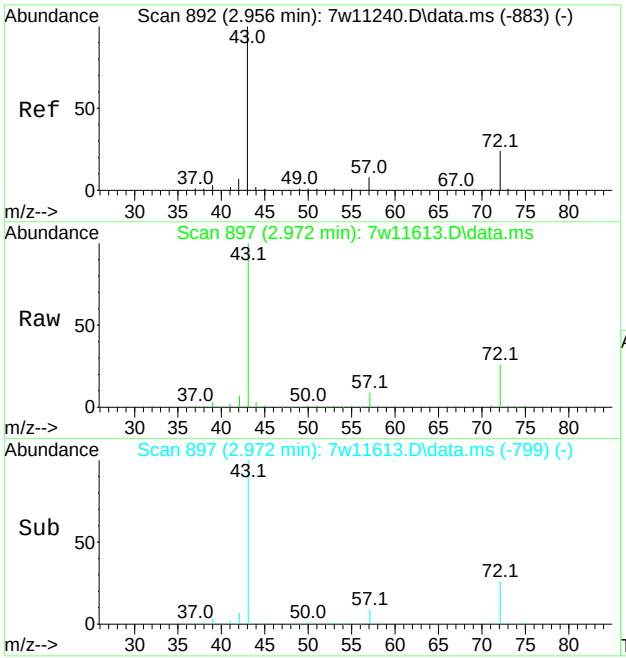


#39
VINYL ACETATE
Concen: 0.2240 PPBV
RT: 2.869 min Scan# 865
Delta R.T. 0.010 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 86 Resp: 731

Ion	Ratio	Lower	Upper
86	100		
43	1032.3	719.4	1336.0
44	17.9	34.6	64.2#

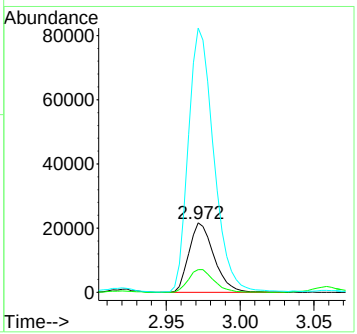


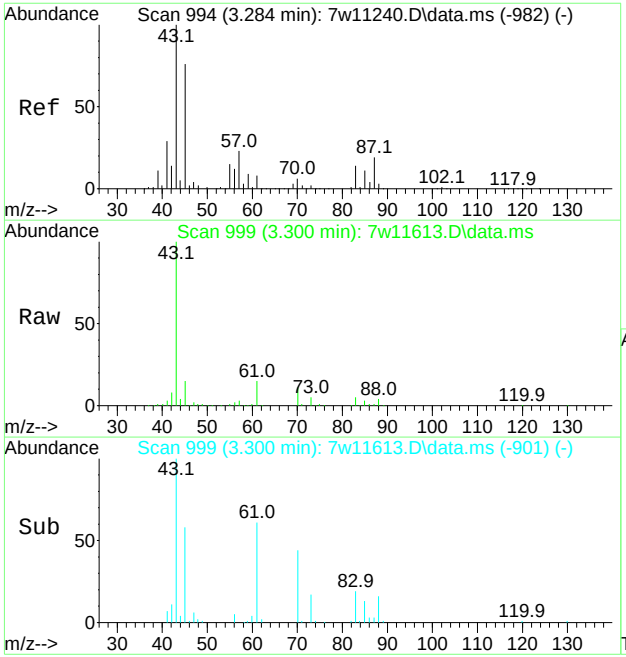


#41
METHYL ETHYL KETONE
Concen: 4.3019 PPBV
RT: 2.972 min Scan# 897
Delta R.T. 0.016 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 72 Resp: 25535

Ion	Ratio	Lower	Upper
72	100		
57	33.7	25.3	46.9
43	386.2	299.6	556.4

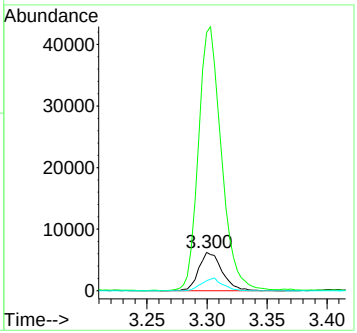


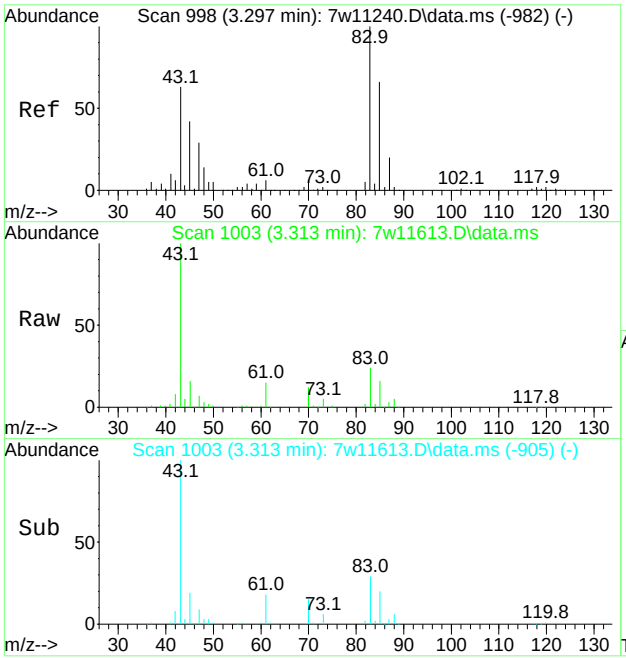


#44
ETHYL ACETATE
Concen: 2.0058 PPBV
RT: 3.300 min Scan# 999
Delta R.T. 0.016 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 61 Resp: 8456

Ion	Ratio	Lower	Upper
61	100		
43	677.1	1005.1	1866.5#
88	29.5	29.3	54.5

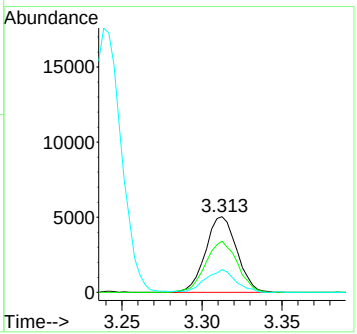


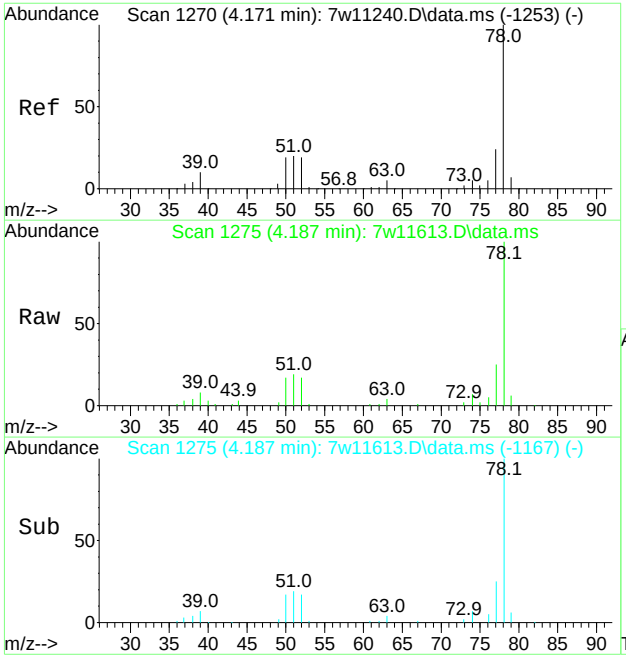


#46
CHLOROFORM
Concen: 0.2801 PPBV
RT: 3.313 min Scan# 1003
Delta R.T. 0.015 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 83 Resp: 6839

Ion	Ratio	Lower	Upper
83	100		
85	68.8	57.0	105.9
47	29.4	20.9	38.7

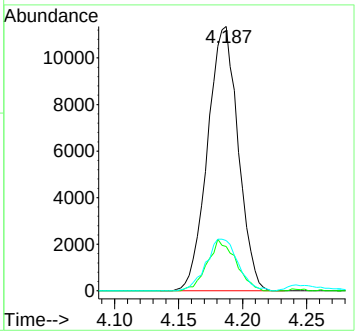


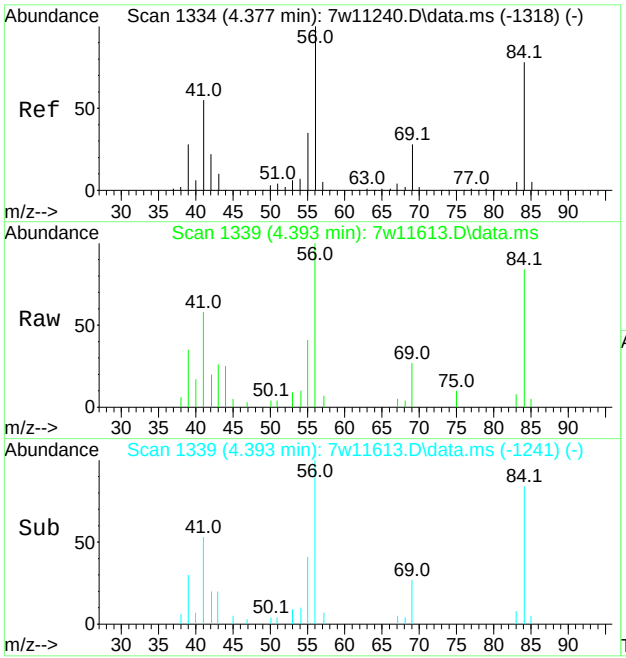


#51
BENZENE
Concen: 0.5281 PPBV
RT: 4.187 min Scan# 1275
Delta R.T. 0.016 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 78 Resp: 18843

Ion	Ratio	Lower	Upper
78	100		
52	18.1	0.0	48.9
51	20.4	0.0	50.2

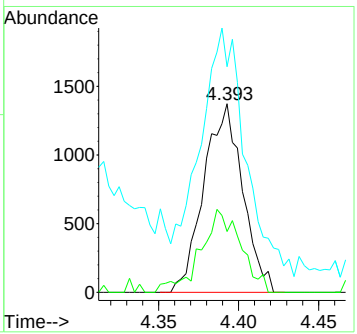


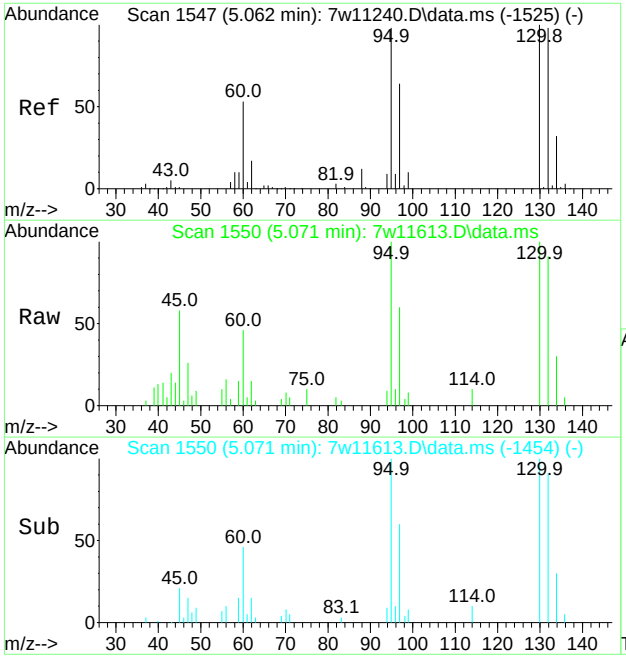


#53
CYCLOHEXANE
Concen: 0.1507 PPBV
RT: 4.393 min Scan# 1339
Delta R.T. 0.016 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 84 Resp: 2315

Ion	Ratio	Lower	Upper
84	100		
69	45.3	24.8	46.0
56	154.9	89.8	166.8

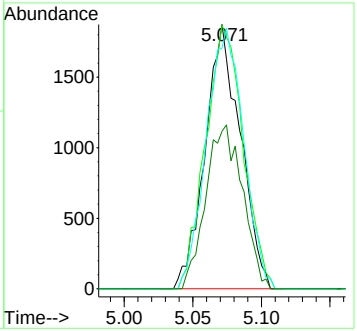


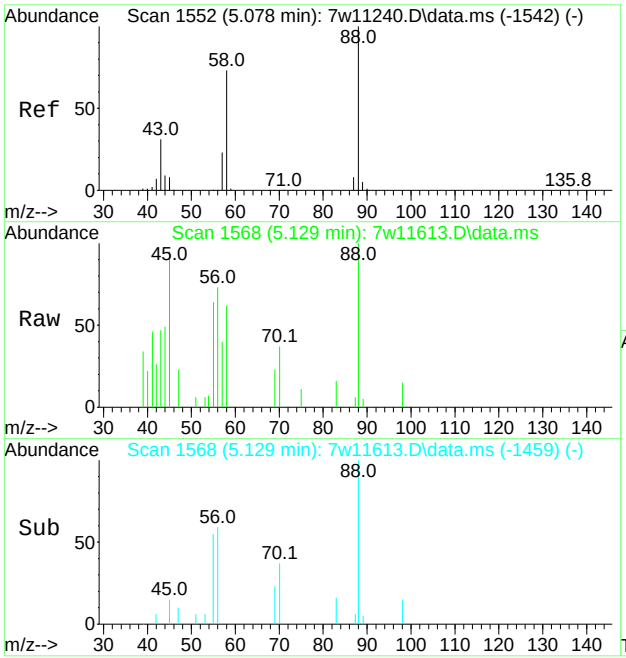


#55
TRICHLOROETHENE
Concen: 0.2027 PPBV
RT: 5.071 min Scan# 1550
Delta R.T. 0.009 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 95 Resp: 3349

Ion	Ratio	Lower	Upper
95	100		
130	106.0	72.8	135.2
132	104.2	71.9	133.5
97	64.7	45.4	84.2

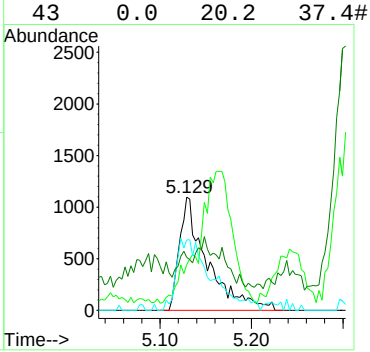


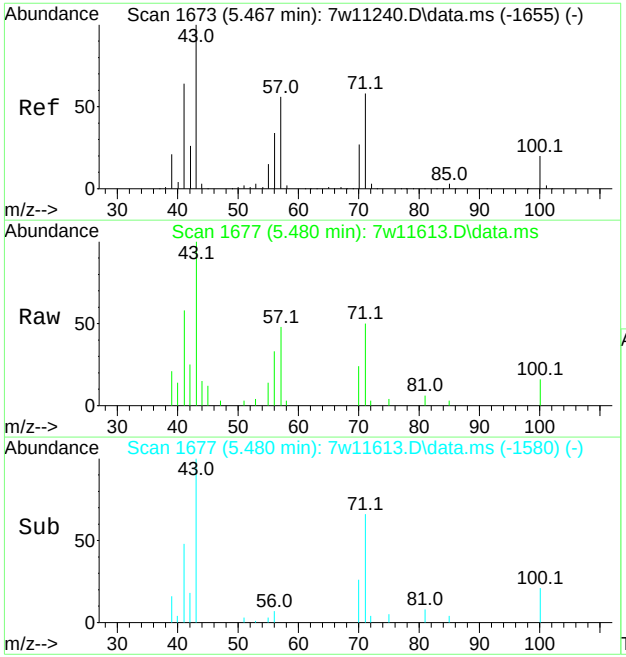


#61
1,4-DIOXANE
Concen: 0.2514 PPBV
RT: 5.129 min Scan# 1568
Delta R.T. 0.051 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 88 Resp: 2316

Ion	Ratio	Lower	Upper
88	100		
57	0.0	15.0	27.8#
58	79.9	50.0	92.8
43	0.0	20.2	37.4#

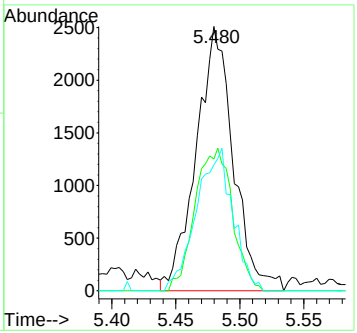


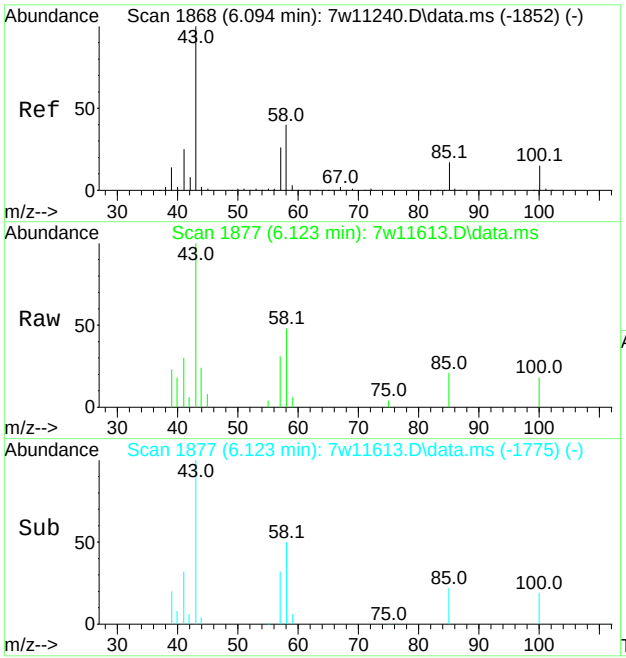


#62
HEPTANE
Concen: 0.2317 PPBV
RT: 5.480 min Scan# 1677
Delta R.T. 0.013 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 43 Resp: 5089

Ion	Ratio	Lower	Upper
43	100		
71	54.0	40.0	74.4
57	52.4	38.9	72.2

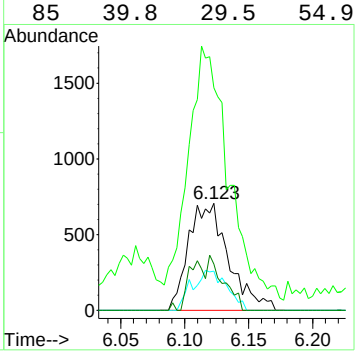


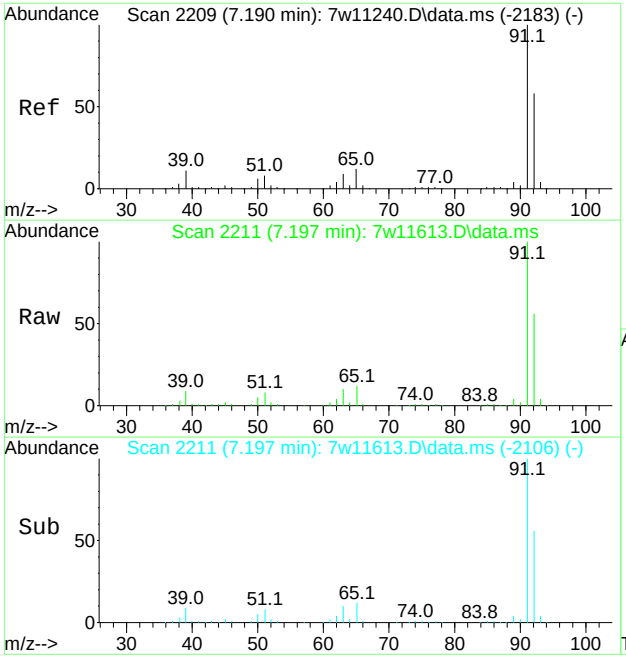


#64
METHYL ISOBUTYL KETONE
Concen: 0.1173 PPBV
RT: 6.123 min Scan# 1877
Delta R.T. 0.029 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 58 Resp: 1538

Ion	Ratio	Lower	Upper
58	100		
43	241.0	175.8	326.4
100	32.2	26.9	49.9
85	39.8	29.5	54.9

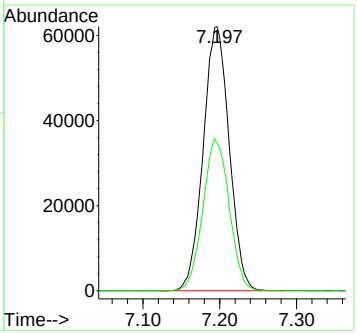


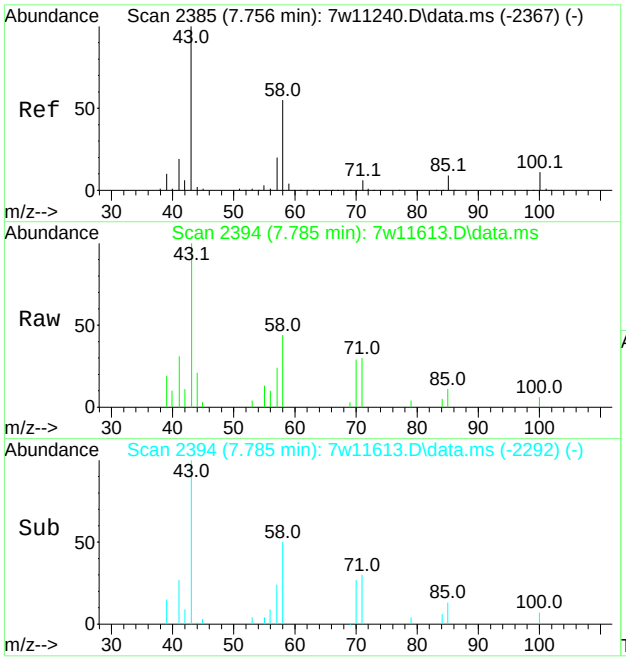


#66
TOLUENE
Concen: 3.1919 PPBV
RT: 7.197 min Scan# 2211
Delta R.T. 0.007 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 91 Resp: 146603

Ion	Ratio	Lower	Upper
91	100		
92	57.9	29.0	89.0

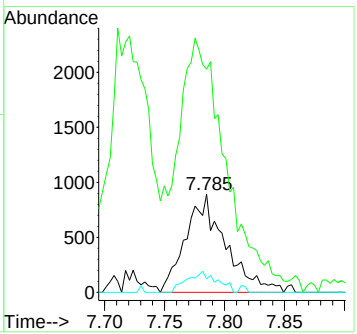


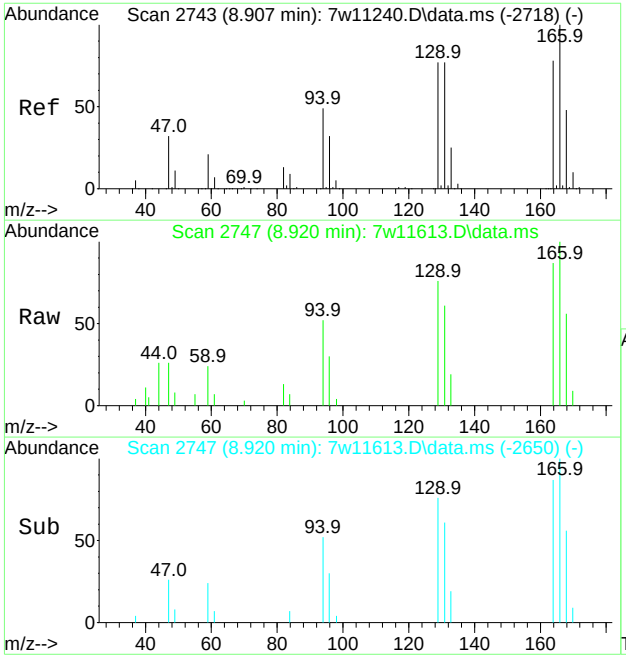


#70
2-HEXANONE
Concen: 0.1003 PPBV
RT: 7.785 min Scan# 2394
Delta R.T. 0.029 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 58 Resp: 2053

Ion	Ratio	Lower	Upper
58	100		
43	303.8	128.2	238.2#
100	17.2	15.0	28.0

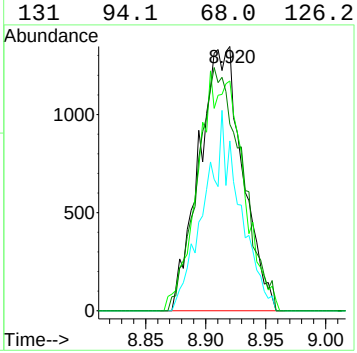


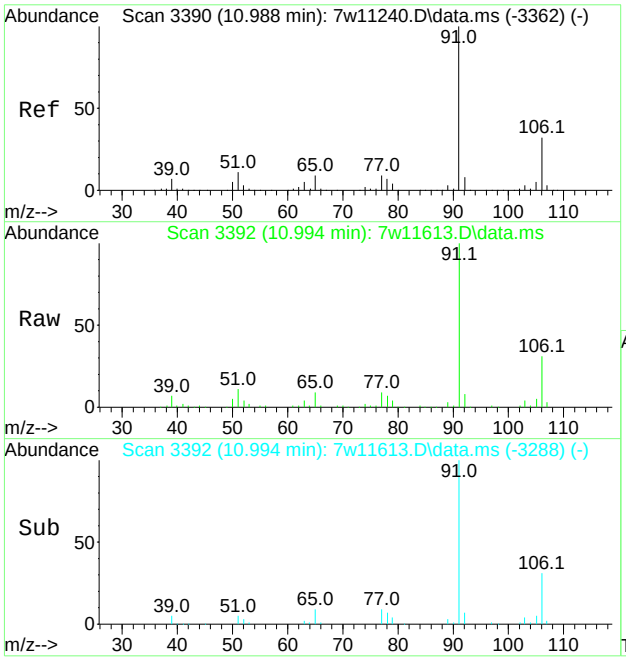


#72
TETRACHLOROETHENE
Concen: 0.1952 PPBV
RT: 8.920 min Scan# 2747
Delta R.T. 0.013 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion:164 Resp: 3397

Ion	Ratio	Lower	Upper
164	100		
129	93.6	68.9	127.9
168	60.9	42.3	78.5
131	94.1	68.0	126.2

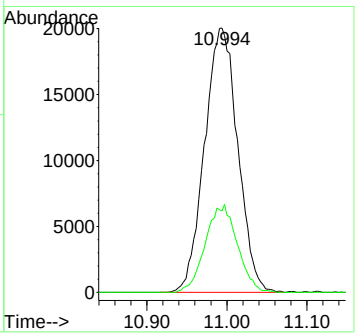


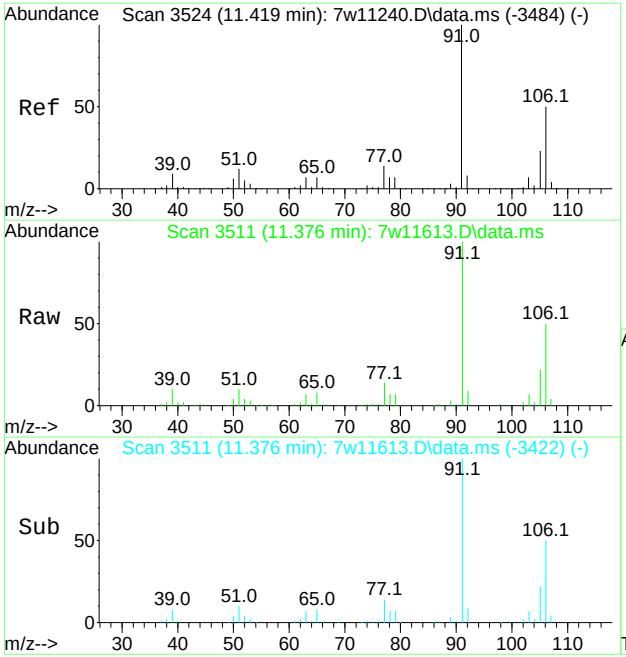


#79
ETHYLBENZENE
Concen: 0.9438 PPBV
RT: 10.994 min Scan# 3392
Delta R.T. 0.006 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 91 Resp: 57848

Ion	Ratio	Lower	Upper
91	100		
106	31.9	1.6	61.6

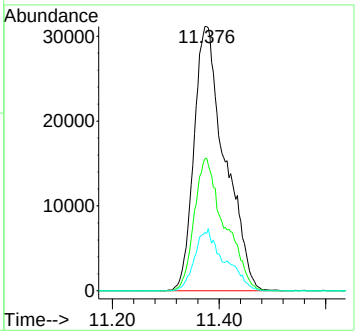


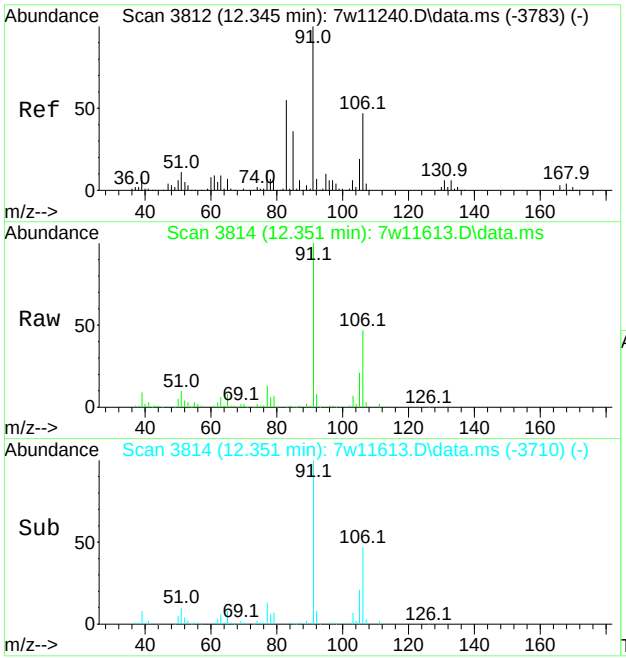


#80
M,P-XYLENE
Concen: 2.6083 PPBV
RT: 11.376 min Scan# 3511
Delta R.T. -0.043 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 91 Resp: 125327

Ion	Ratio	Lower	Upper
91	100		
106	49.2	0.0	55.5
105	22.5	0.0	41.7

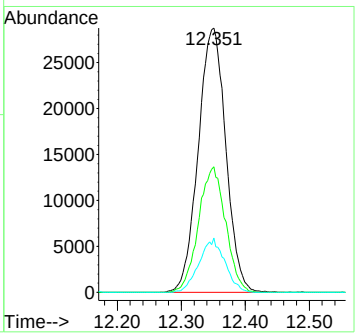


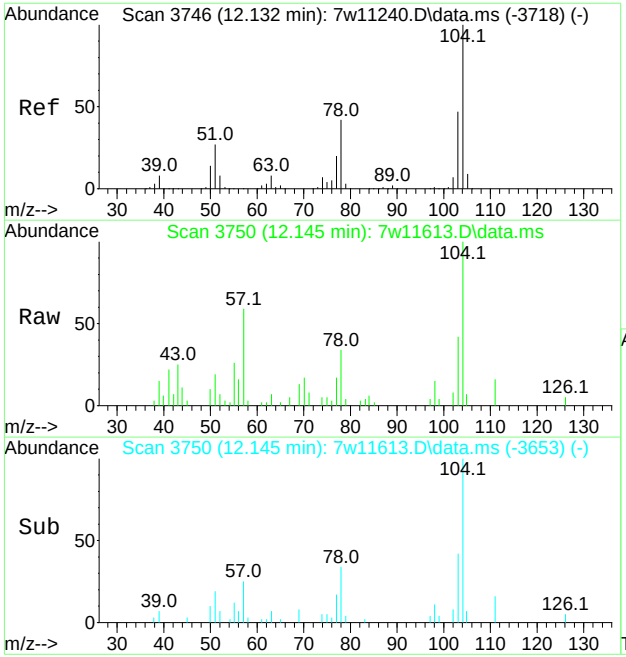


#81
O-XYLENE
Concen: 1.7889 PPBV
RT: 12.351 min Scan# 3814
Delta R.T. 0.006 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion: 91 Resp: 86329

Ion	Ratio	Lower	Upper
91	100		
106	47.5	32.7	60.7
105	20.6	13.2	24.6

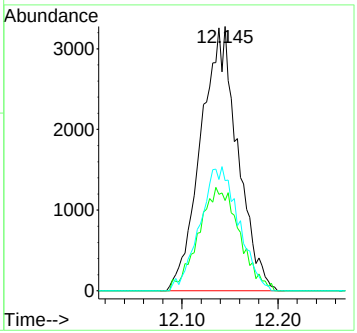


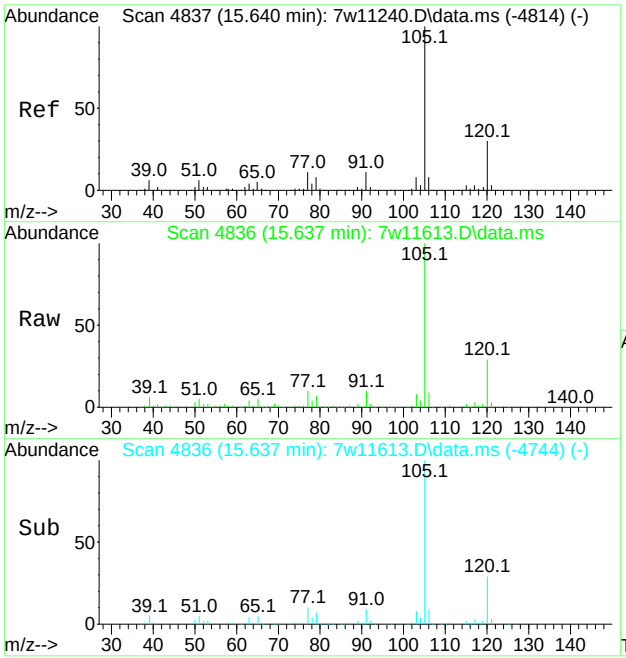


#82
STYRENE
Concen: 0.2535 PPBV
RT: 12.145 min Scan# 3750
Delta R.T. 0.013 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion:104 Resp: 8763

Ion	Ratio	Lower	Upper
104	100		
78	43.3	30.0	55.6
103	49.1	33.0	61.4

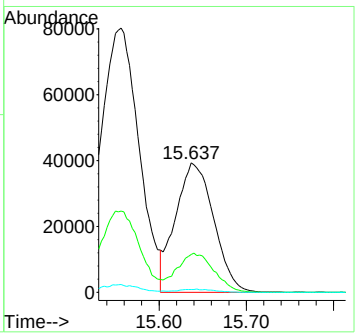


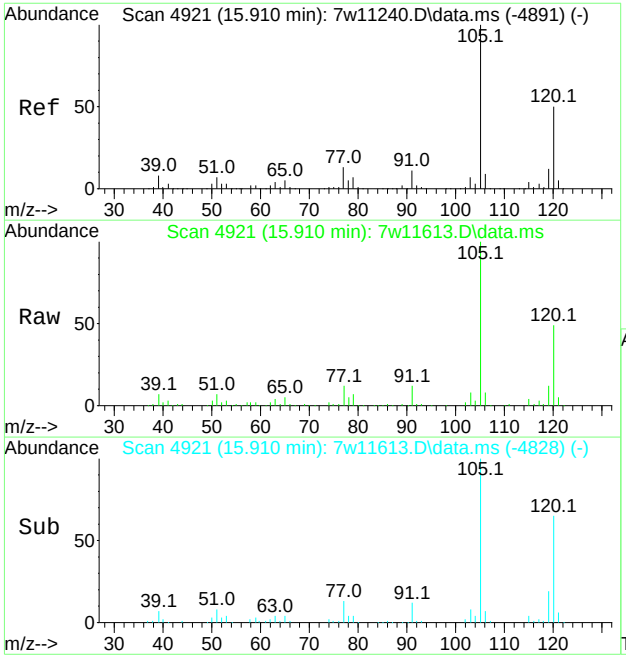


#92
4-ETHYLTOLUENE
Concen: 1.7921 PPBV
RT: 15.637 min Scan# 4836
Delta R.T. -0.003 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion:105 Resp: 120110

Ion	Ratio	Lower	Upper
105	100		
120	30.0	21.1	39.1
119	2.2	1.6	3.0

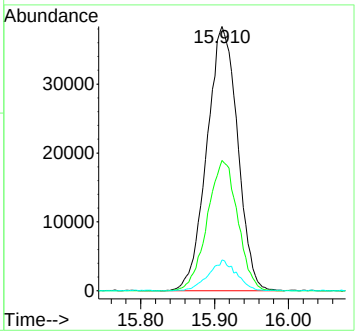


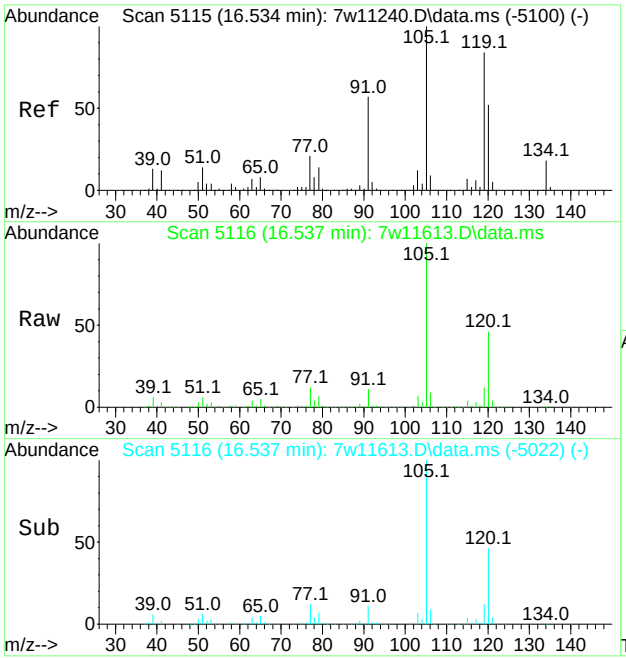


#93
1,3,5-TRIMETHYLBENZENE
Concen: 1.9670 PPBV
RT: 15.910 min Scan# 4921
Delta R.T. 0.000 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion:105 Resp: 110945

Ion	Ratio	Lower	Upper
105	100		
120	48.8	34.9	64.7
91	10.6	7.5	13.9

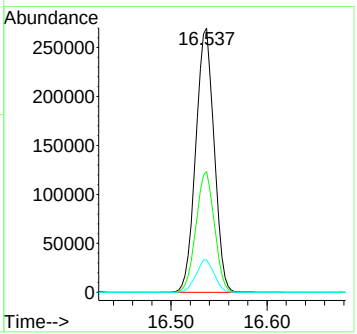




#96
1,2,4-TRIMETHYLBENZENE
Concen: 6.3071 PPBV
RT: 16.537 min Scan# 5116
Delta R.T. 0.003 min
Lab File: 7w11613.D
Acq: 9 Jan 2025 10:07 am

Tgt Ion:105 Resp: 358824

Ion	Ratio	Lower	Upper
105	100		
120	46.0	38.8	72.0
119	12.3	74.3	137.9#



Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11609.D
Acq On : 9 Jan 2025 7:30 am
Operator : benk
Sample : je3522-9 Inst : MS7W
Misc : MS88628,v7w416,500,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 10 03:54:01 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

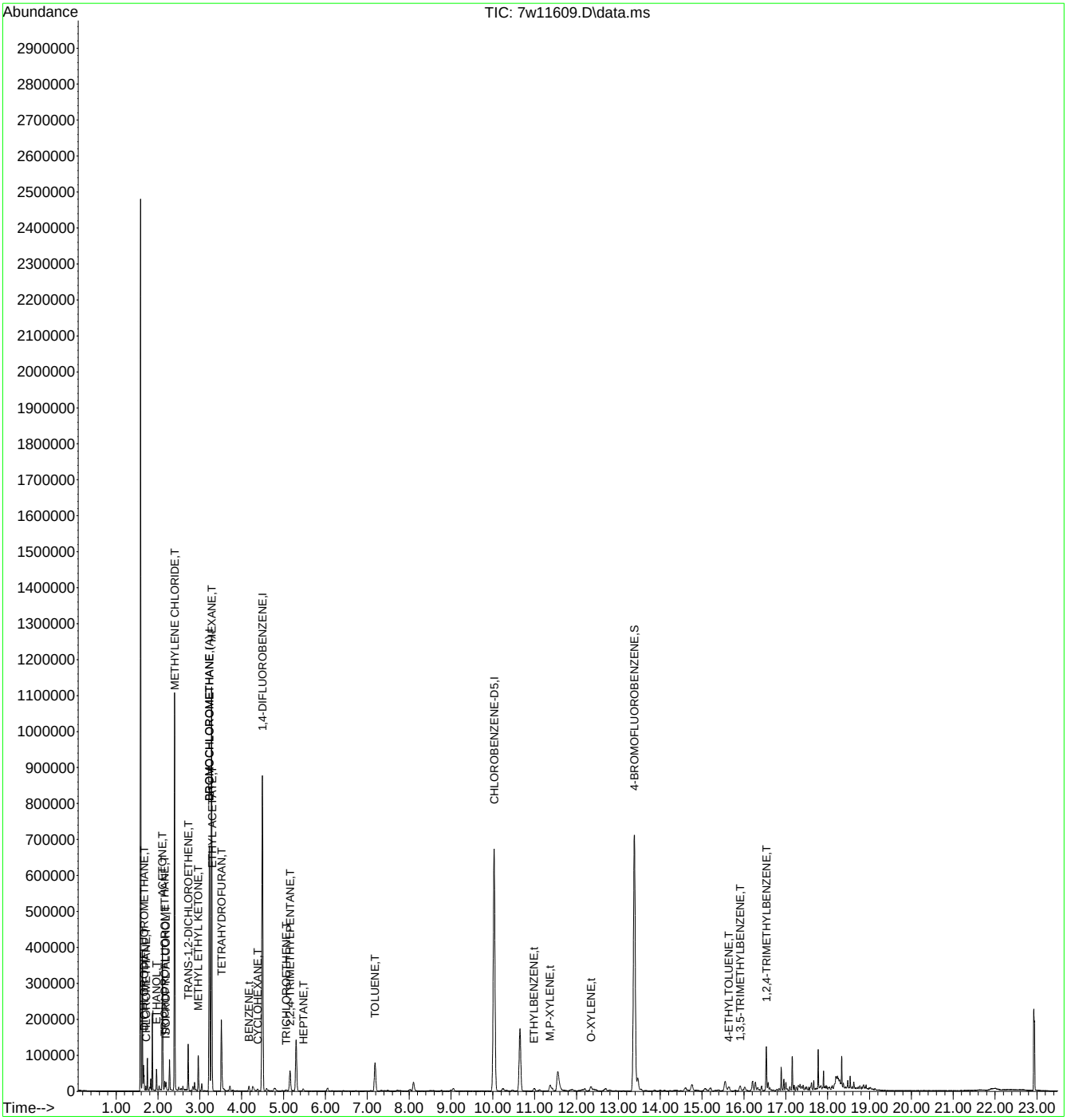
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	134494	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	650916	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.029	117	614180	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	134494	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.380	95	447913	10.05	PPBV		0.00
Target Compounds							Qvalue
6) DICHLORODIFLUOROMETHANE	1.666	85	15451	0.4608	PPBV	#	92
10) CHLOROMETHANE	1.711	52	1784	0.5125	PPBV		87
21) TRICHLOROFLUOROMETHANE	2.158	101	11094	0.3757	PPBV		98
22) ISOPROPYL ALCOHOL	2.184	45	13144	0.5275	PPBV		94
23) ACETONE	2.103	58	81410	10.4182	PPBV		94
28) ETHANOL	1.965	45	32216	4.7233	PPBV		98
31) METHYLENE CHLORIDE	2.399	84	166136	15.6067	PPBV		90
34) TRANS-1,2-DICHLOROETHENE	2.721	96	27744	2.2853	PPBV		96
37) TETRAHYDROFURAN	3.515	72	40172	7.4675	PPBV		94
38) HEXANE	3.280	57	376039	16.9767	PPBV	#	75
41) METHYL ETHYL KETONE	2.962	72	18801	3.1465	PPBV		88
44) ETHYL ACETATE	3.290	61	2473	0.5827	PPBV	#	1
51) BENZENE	4.174	78	10046	0.2797	PPBV		98
53) CYCLOHEXANE	4.380	84	1847	0.1201	PPBV		90
55) TRICHLOROETHENE	5.058	95	939	0.0568	PPBV		91
60) 2,2,4-TRIMETHYLPENTANE	5.155	57	53867	0.8606	PPBV		99
62) HEPTANE	5.470	43	3094	0.1407	PPBV		91
66) TOLUENE	7.184	91	77969	1.6952	PPBV		100
79) ETHYLBENZENE	10.984	91	9900	0.1637	PPBV		98
80) M,P-XYLENE	11.364	91	24102	0.5083	PPBV		60
81) O-XYLENE	12.344	91	13005	0.2731	PPBV		99
92) 4-ETHYLTOLUENE	15.637	105	14599	0.2207	PPBV		96
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	14861	0.2670	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	58031	1.0335	PPBV	#	36

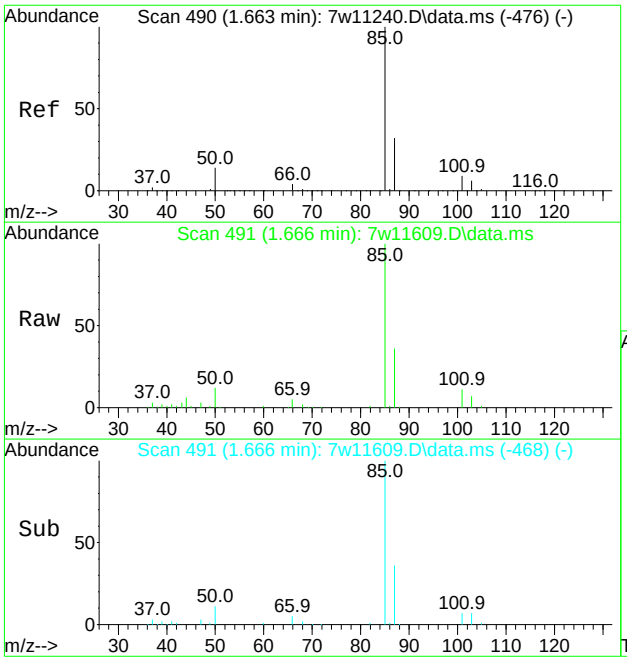
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11609.D
Acq On : 9 Jan 2025 7:30 am
Operator : benk
Sample : je3522-9 Inst : MS7W
Misc : MS88628,v7w416,500,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 10 03:54:01 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

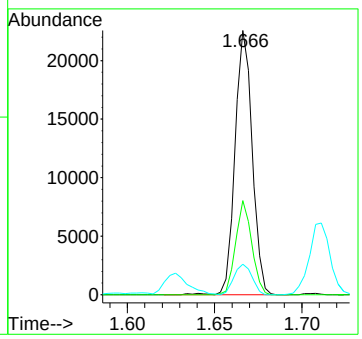


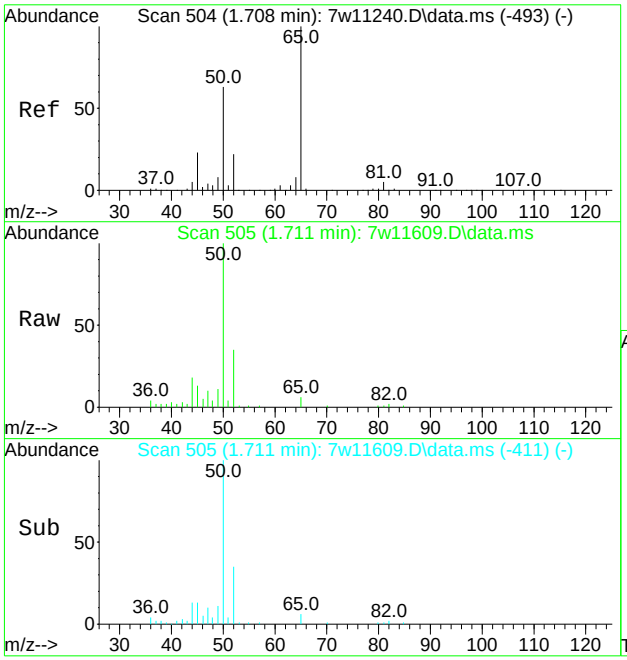


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4608 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 85 Resp: 15451

Ion	Ratio	Lower	Upper
85	100		
87	33.3	22.5	41.7
50	12.2	13.8	25.6#

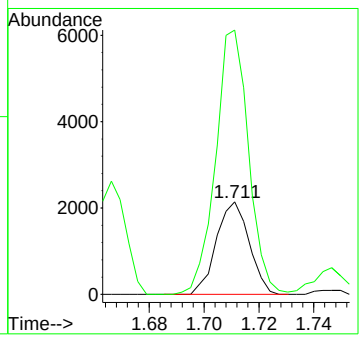


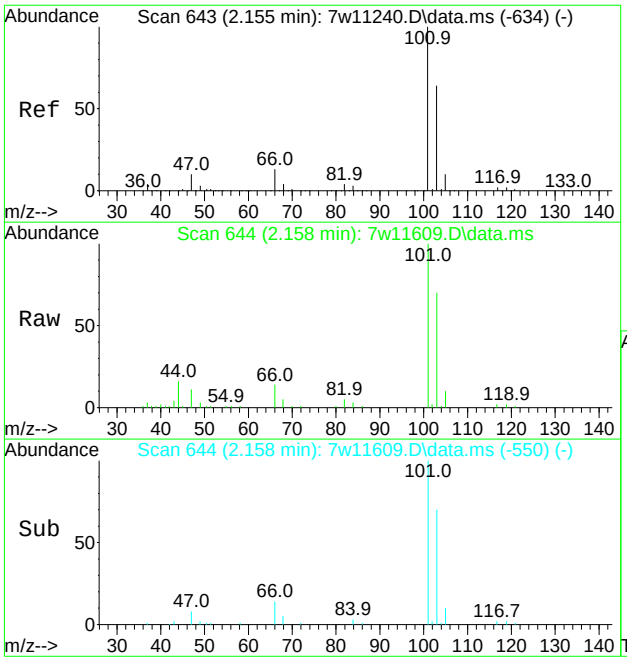


#10
CHLOROMETHANE
Concen: 0.5125 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 52 Resp: 1784

Ion	Ratio	Lower	Upper
52	100		
50	287.2	220.1	408.8

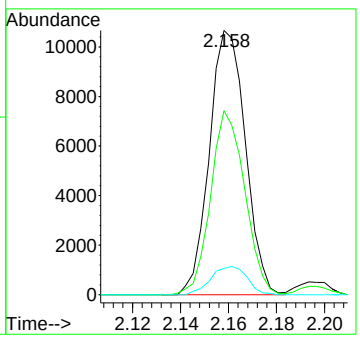


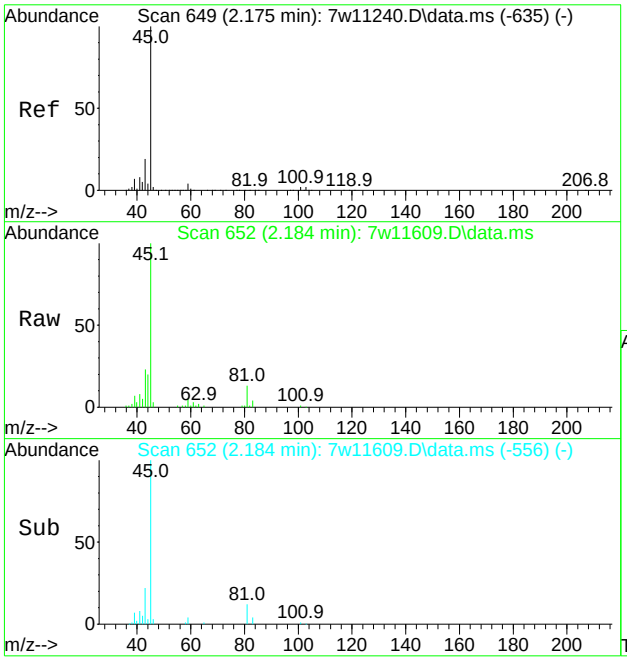


#21
TRICHLOROFLUOROMETHANE
Concen: 0.3757 PPBV
RT: 2.158 min Scan# 644
Delta R.T. 0.003 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion:101 Resp: 11094

Ion	Ratio	Lower	Upper
101	100		
103	66.0	44.9	83.5
105	10.8	7.3	13.5

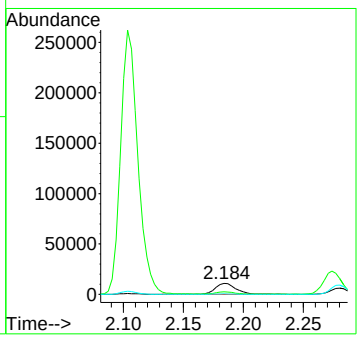


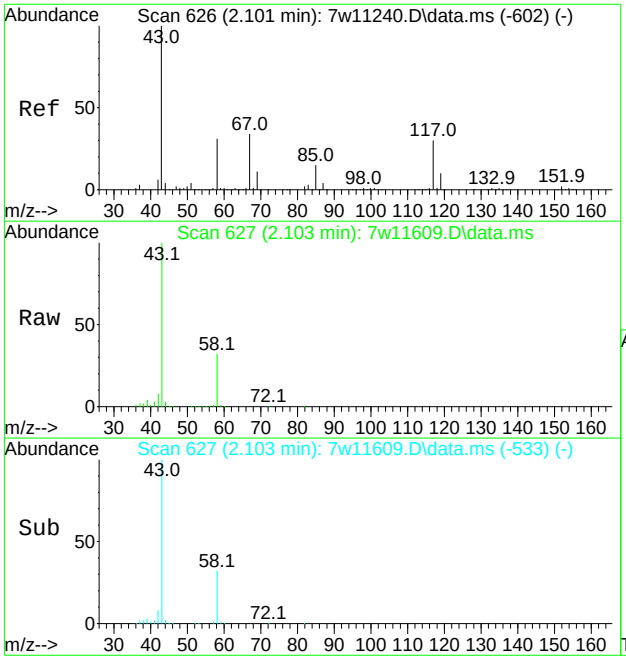


#22
ISOPROPYL ALCOHOL
Concen: 0.5275 PPBV
RT: 2.184 min Scan# 652
Delta R.T. 0.009 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 45 Resp: 13144

Ion	Ratio	Lower	Upper
45	100		
43	23.4	13.9	25.9
59	3.9	2.8	5.2

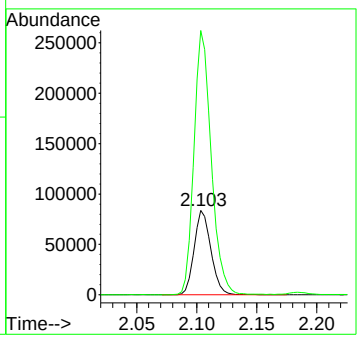


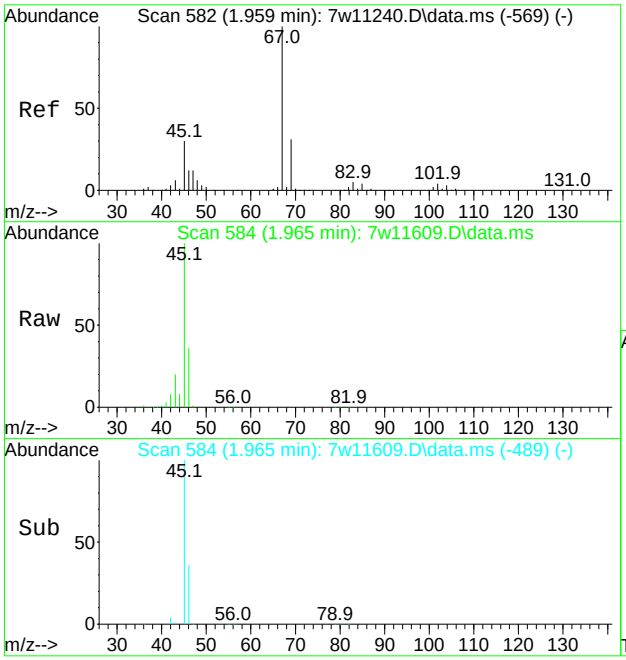


#23
ACETONE
Concen: 10.4182 PPBV
RT: 2.103 min Scan# 627
Delta R.T. 0.002 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 58 Resp: 81410

Ion	Ratio	Lower	Upper
58	100		
43	322.2	234.4	435.2

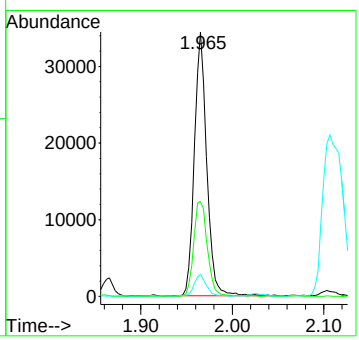


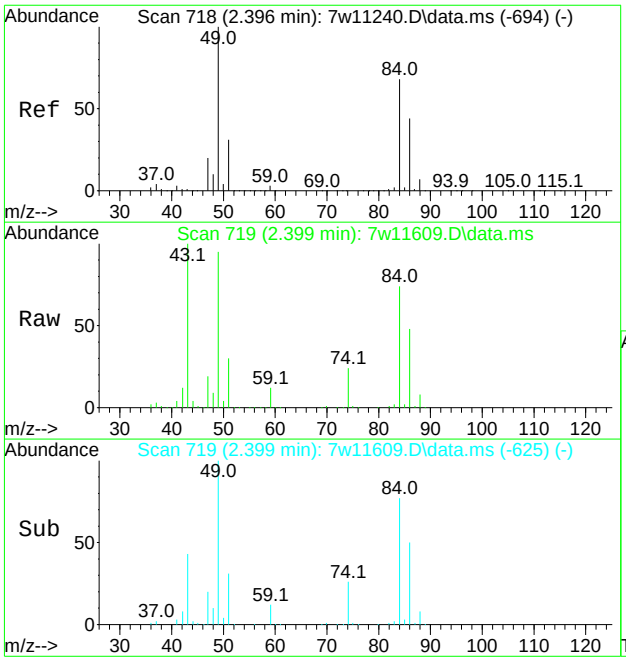


#28
ETHANOL
Concen: 4.7233 PPBV
RT: 1.965 min Scan# 584
Delta R.T. 0.006 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 45 Resp: 32216

Ion	Ratio	Lower	Upper
45	100		
46	40.0	28.6	53.0
42	7.8	6.3	11.7

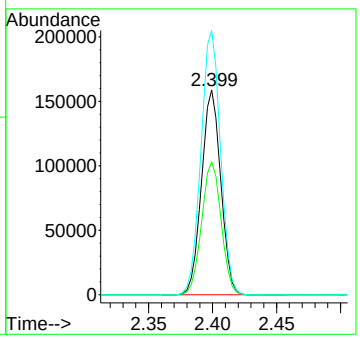


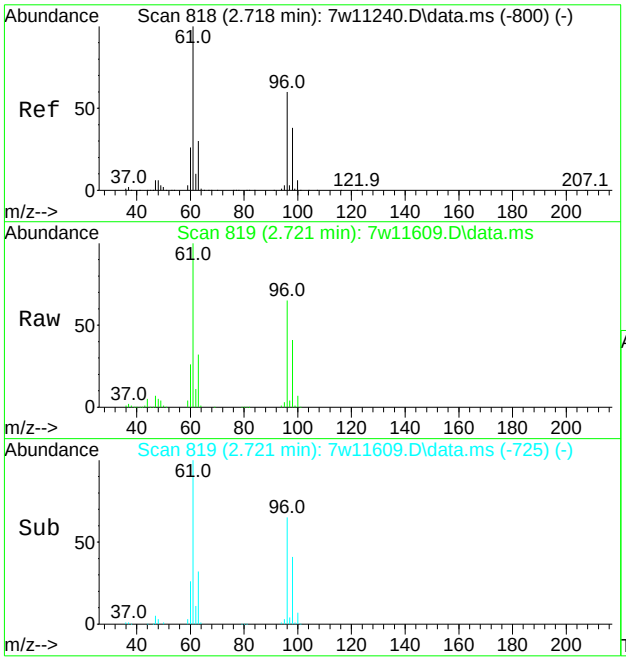


#31
METHYLENE CHLORIDE
Concen: 15.6067 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 84 Resp: 166136

Ion	Ratio	Lower	Upper
84	100		
86	65.7	46.0	85.4
49	130.8	103.9	192.9

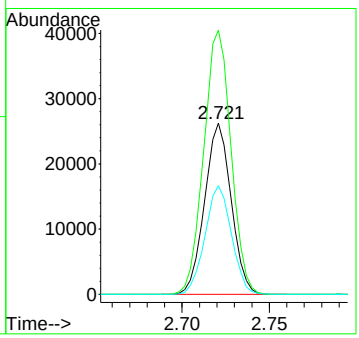


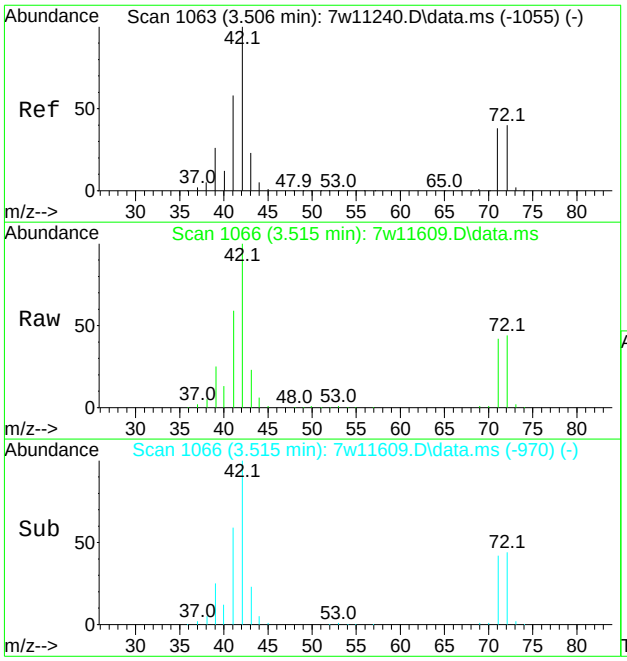


#34
TRANS-1,2-DICHLOROETHENE
Concen: 2.2853 PPBV
RT: 2.721 min Scan# 819
Delta R.T. 0.003 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 96 Resp: 27744

Ion	Ratio	Lower	Upper
96	100		
61	158.4	116.2	215.8
98	63.3	44.2	82.2

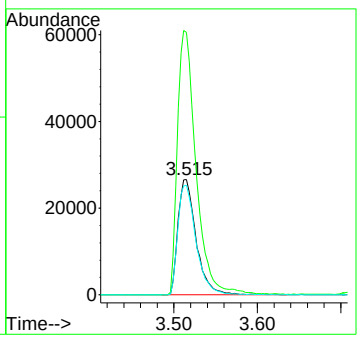


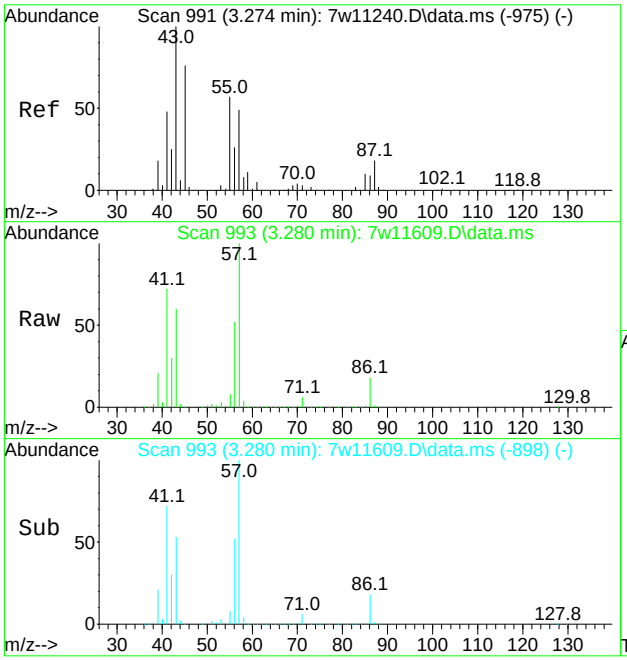


#37
TETRAHYDROFURAN
Concen: 7.4675 PPBV
RT: 3.515 min Scan# 1066
Delta R.T. 0.009 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 72 Resp: 40172

Ion	Ratio	Lower	Upper
72	100		
42	235.6	174.9	324.9
71	95.4	67.2	124.8

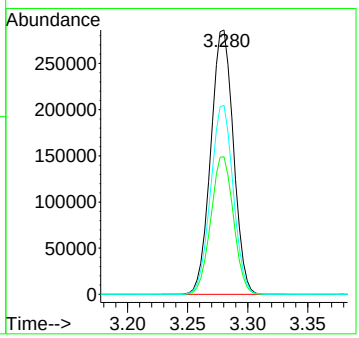


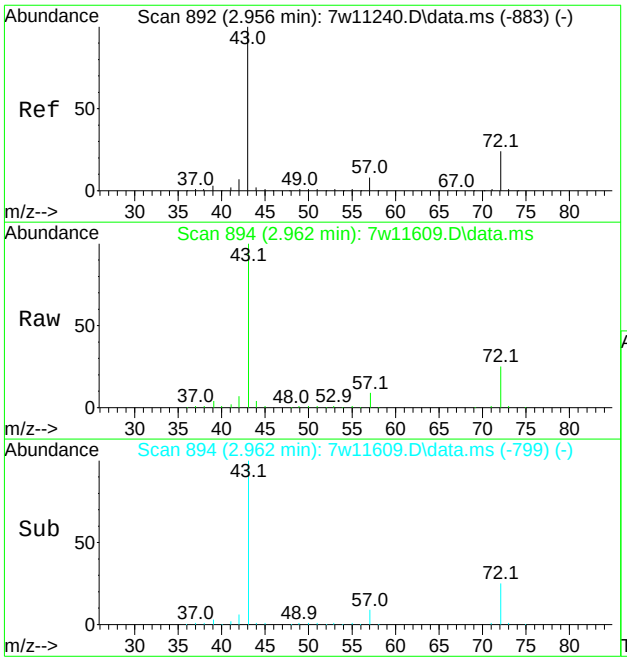


#38
HEXANE
Concen: 16.9767 PPBV
RT: 3.280 min Scan# 993
Delta R.T. 0.006 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 57 Resp: 376039

Ion	Ratio	Lower	Upper
57	100		
56	52.0	37.8	70.2
41	71.3	75.9	140.9#

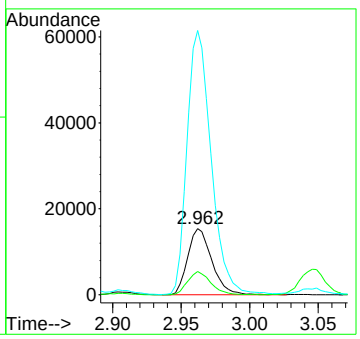


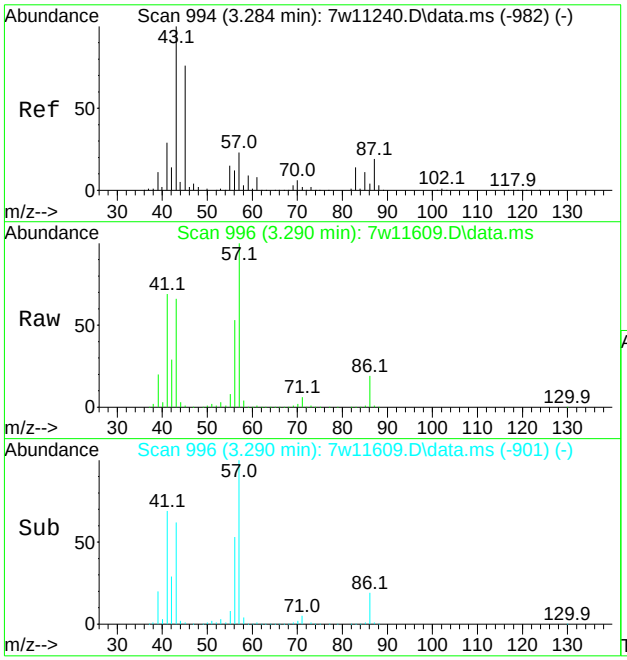


#41
METHYL ETHYL KETONE
Concen: 3.1465 PPBV
RT: 2.962 min Scan# 894
Delta R.T. 0.006 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 72 Resp: 18801

Ion	Ratio	Lower	Upper
72	100		
57	34.0	25.3	46.9
43	397.5	299.6	556.4

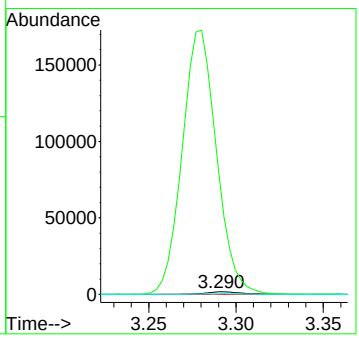


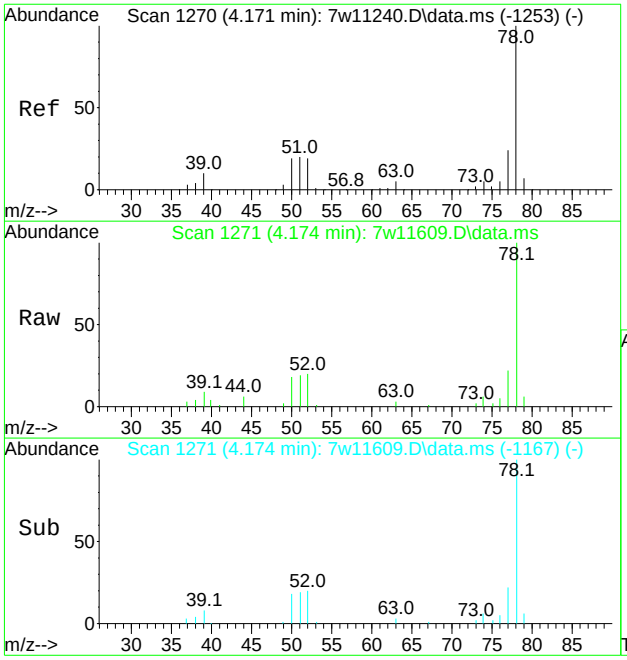


#44
ETHYL ACETATE
Concen: 0.5827 PPBV
RT: 3.290 min Scan# 996
Delta R.T. 0.006 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 61 Resp: 2473

Ion	Ratio	Lower	Upper
61	100		
43	9588.8	1005.1	1866.5#
88	30.2	29.3	54.5

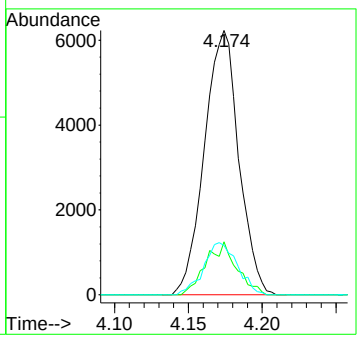


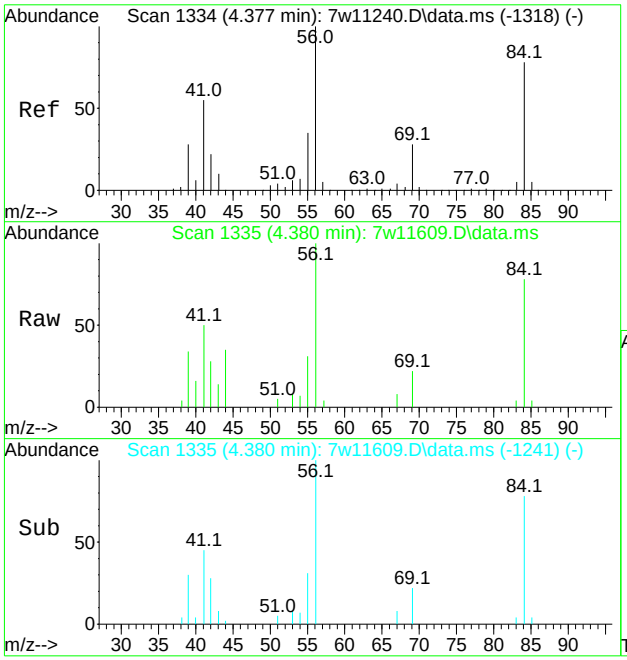


#51
BENZENE
Concen: 0.2797 PPBV
RT: 4.174 min Scan# 1271
Delta R.T. 0.003 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 78 Resp: 10046

Ion	Ratio	Lower	Upper
78	100		
52	18.0	0.0	48.9
51	19.4	0.0	50.2

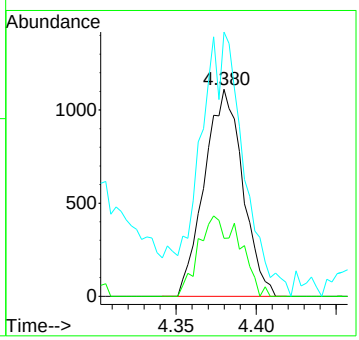


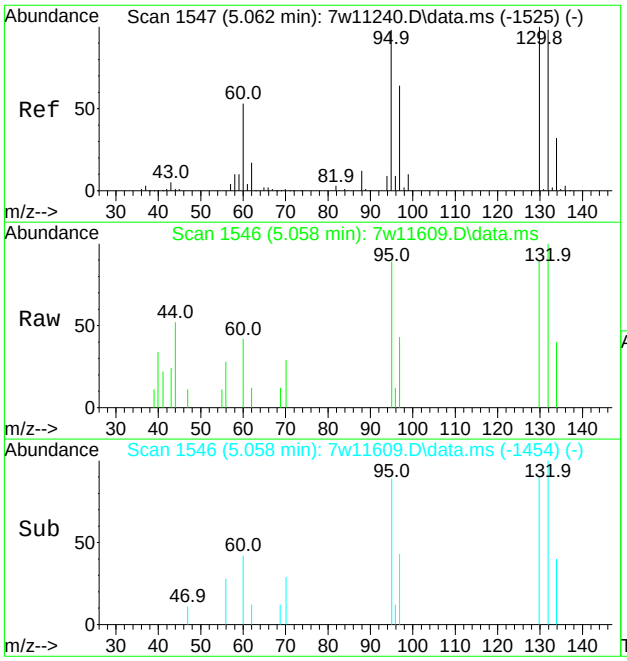


#53
CYCLOHEXANE
Concen: 0.1201 PPBV
RT: 4.380 min Scan# 1335
Delta R.T. 0.003 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 84 Resp: 1847

Ion	Ratio	Lower	Upper
84	100		
69	41.5	24.8	46.0
56	139.4	89.8	166.8

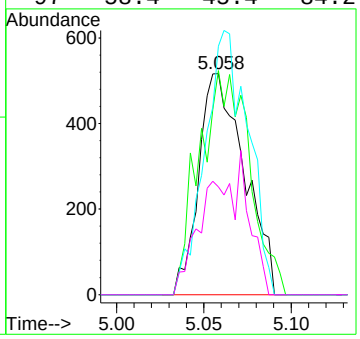


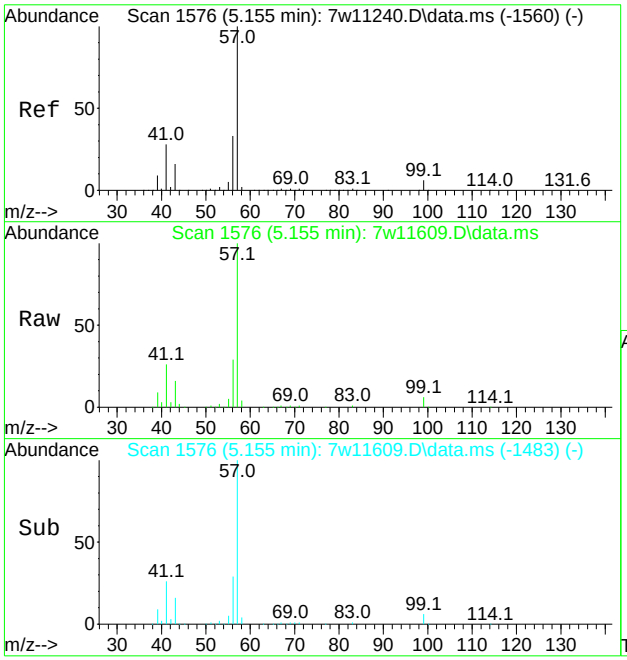


#55
TRICHLOROETHENE
Concen: 0.0568 PPBV
RT: 5.058 min Scan# 1546
Delta R.T. -0.004 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 95 Resp: 939

Ion	Ratio	Lower	Upper
95	100		
130	111.6	72.8	135.2
132	113.5	71.9	133.5
97	58.4	45.4	84.2

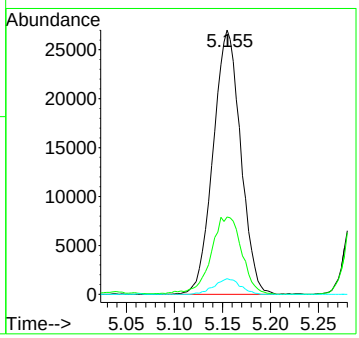


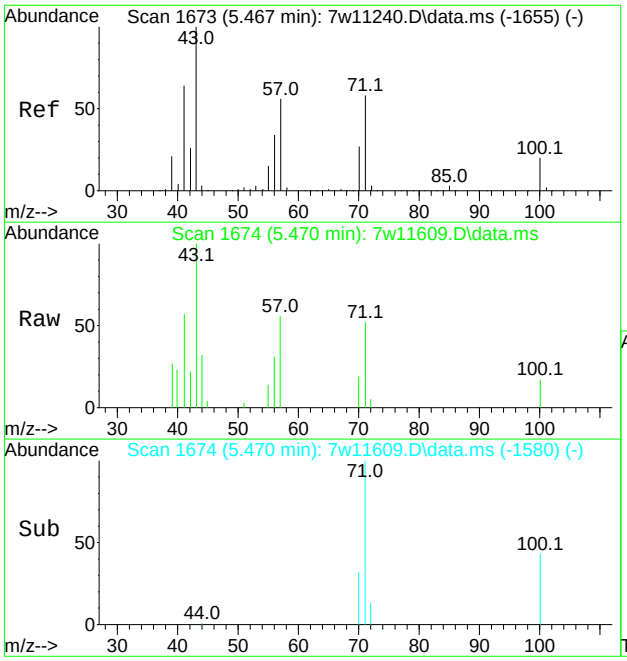


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.8606 PPBV
RT: 5.155 min Scan# 1576
Delta R.T. -0.000 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 57 Resp: 53867

Ion	Ratio	Lower	Upper
57	100		
56	33.2	22.7	42.1
99	5.7	3.9	7.3

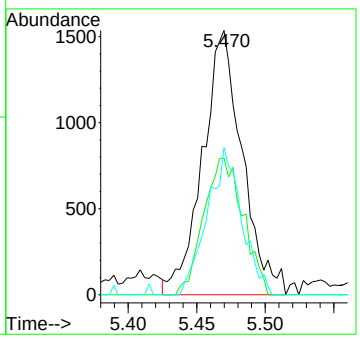


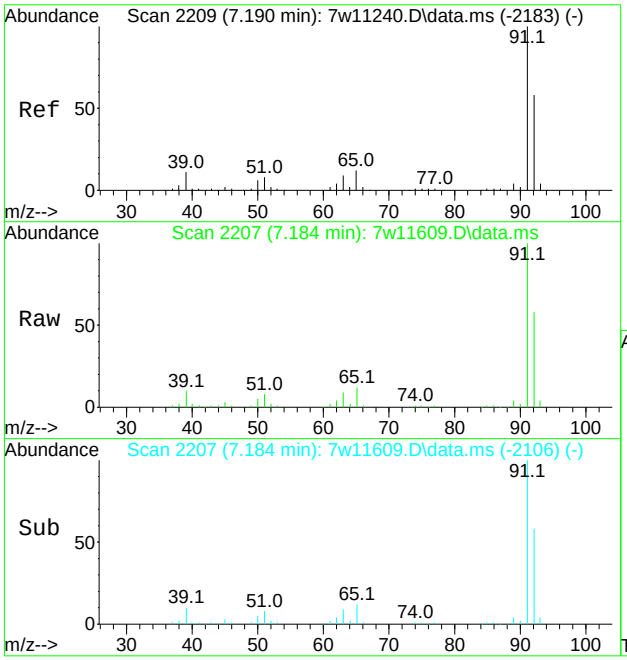


#62
HEPTANE
Concen: 0.1407 PPBV
RT: 5.470 min Scan# 1674
Delta R.T. 0.003 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 43 Resp: 3094

Ion	Ratio	Lower	Upper
43	100		
71	51.4	40.0	74.4
57	48.0	38.9	72.2

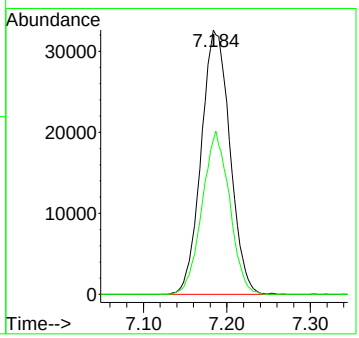


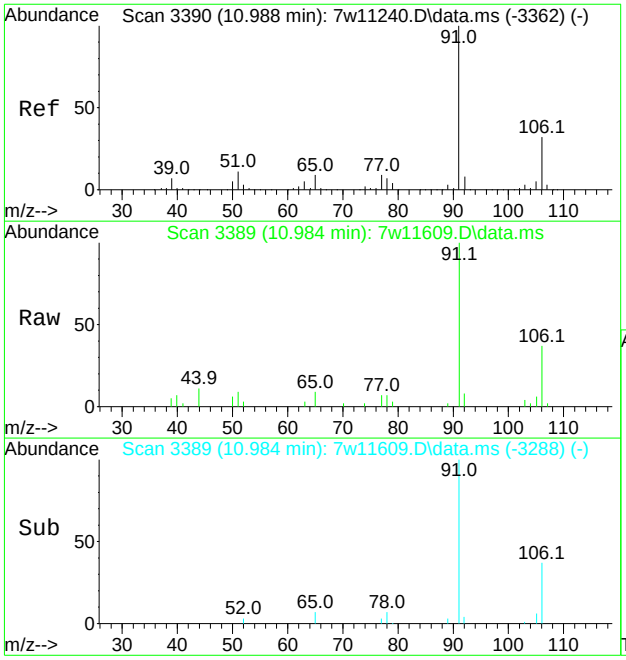


#66
TOLUENE
Concen: 1.6952 PPBV
RT: 7.184 min Scan# 2207
Delta R.T. -0.006 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 91 Resp: 77969

Ion	Ratio	Lower	Upper
91	100		
92	58.9	29.0	89.0

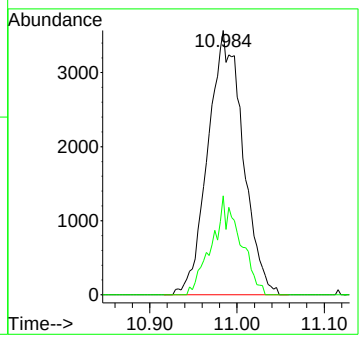


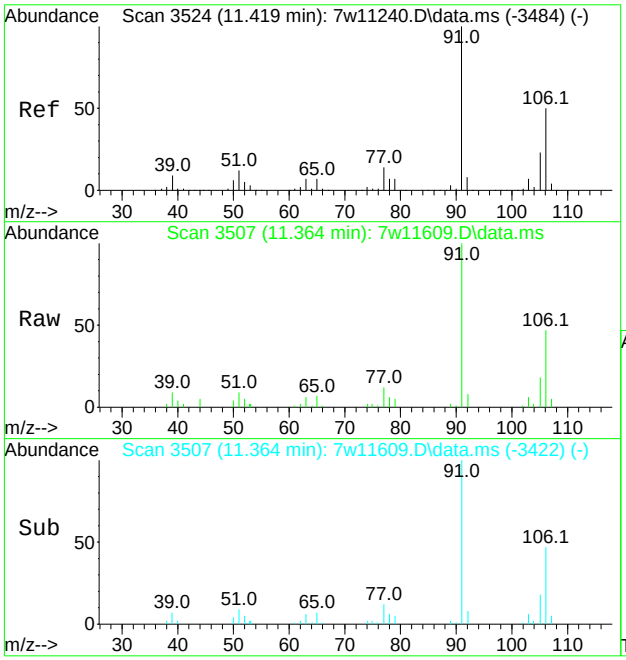


#79
ETHYLBENZENE
Concen: 0.1637 PPBV
RT: 10.984 min Scan# 3389
Delta R.T. -0.004 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 91 Resp: 9900

Ion	Ratio	Lower	Upper
91	100		
106	30.6	1.6	61.6

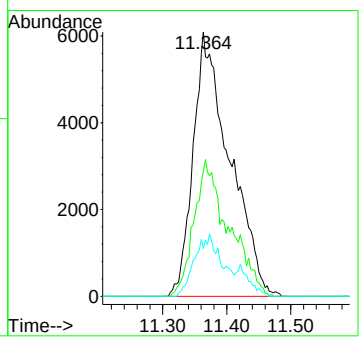


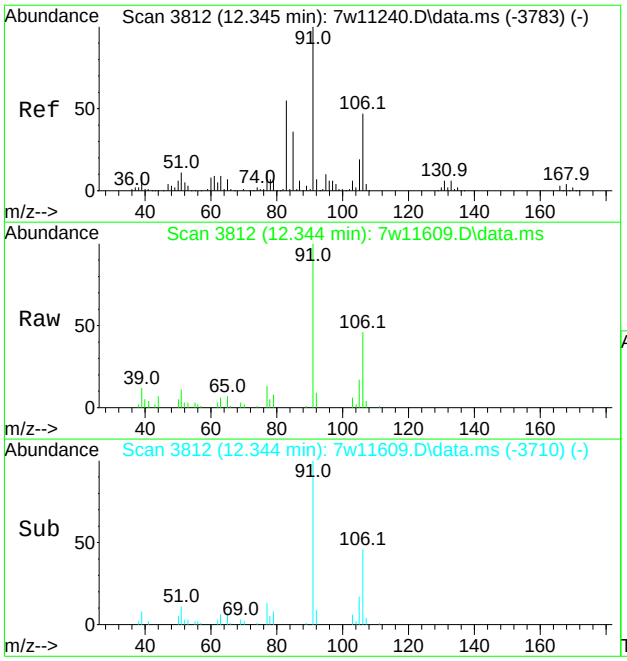


#80
M,P-XYLENE
Concen: 0.5083 PPBV
RT: 11.364 min Scan# 3507
Delta R.T. -0.055 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 91 Resp: 24102

Ion	Ratio	Lower	Upper
91	100		
106	49.1	0.0	55.5
105	21.8	0.0	41.7

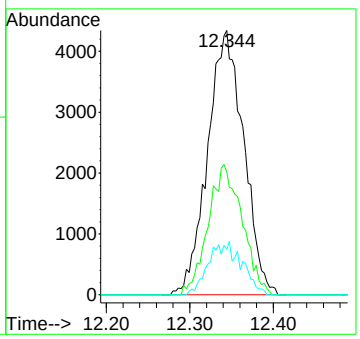


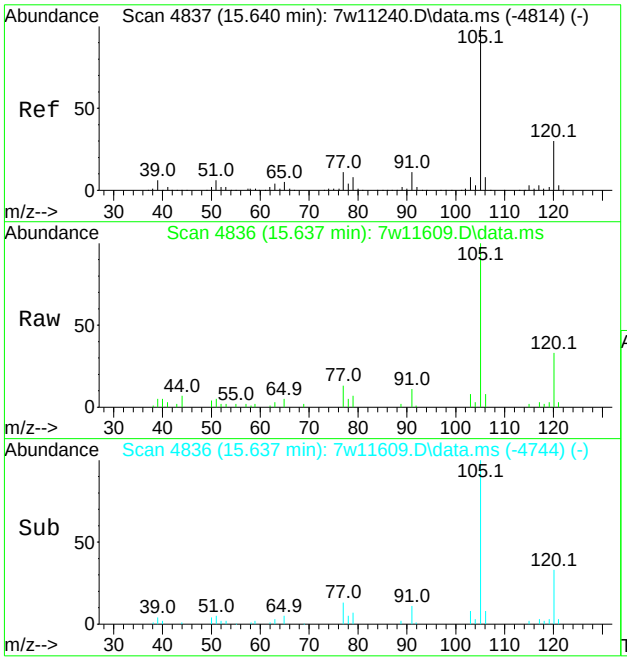


#81
O-XYLENE
Concen: 0.2731 PPBV
RT: 12.344 min Scan# 3812
Delta R.T. -0.001 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion: 91 Resp: 13005

Ion	Ratio	Lower	Upper
91	100		
106	46.3	32.7	60.7
105	17.2	13.2	24.6

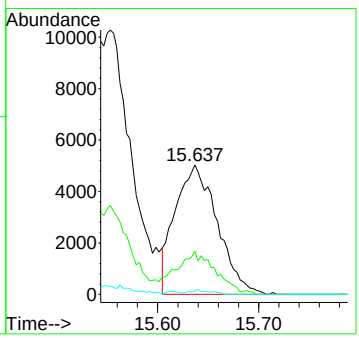


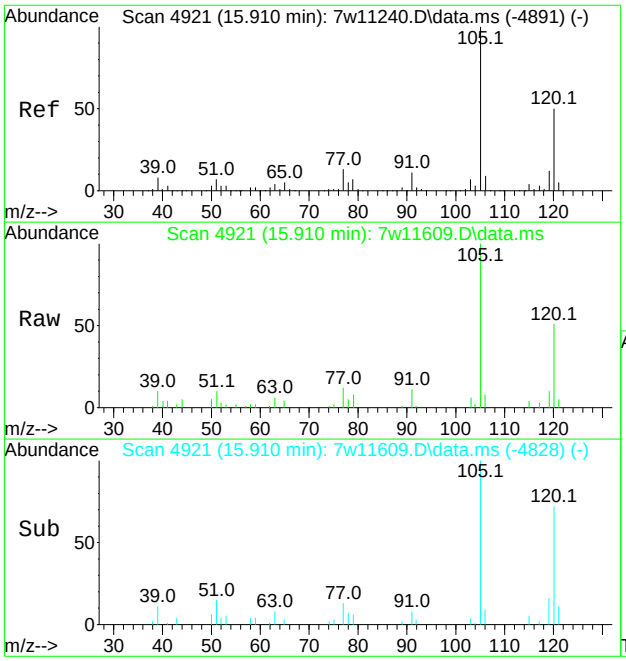


#92
4-ETHYLTOLUENE
Concen: 0.2207 PPBV
RT: 15.637 min Scan# 4836
Delta R.T. -0.003 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion:105 Resp: 14599

Ion	Ratio	Lower	Upper
105	100		
120	32.1	21.1	39.1
119	1.7	1.6	3.0

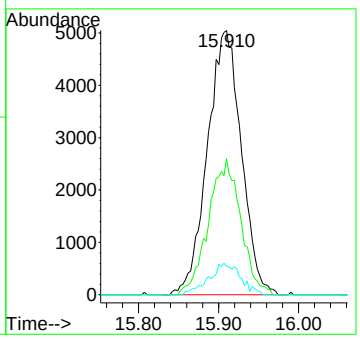


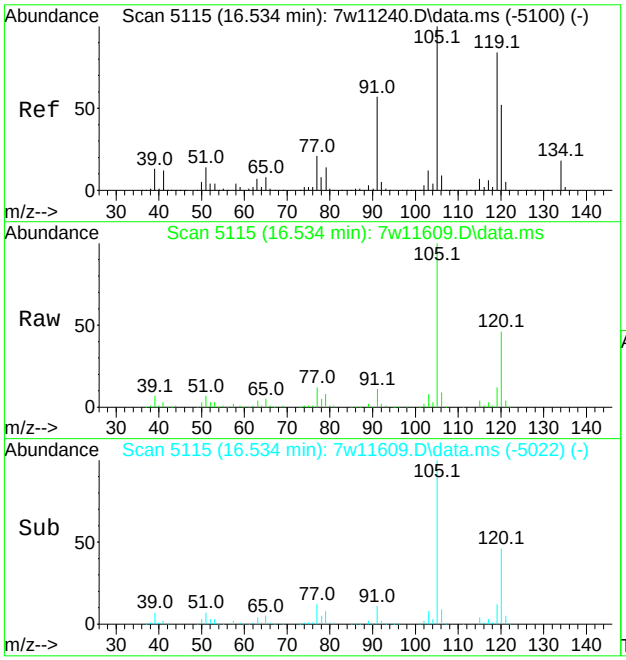


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.2670 PPBV
RT: 15.910 min Scan# 4921
Delta R.T. -0.000 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion:105 Resp: 14861

Ion	Ratio	Lower	Upper
105	100		
120	48.9	34.9	64.7
91	11.2	7.5	13.9

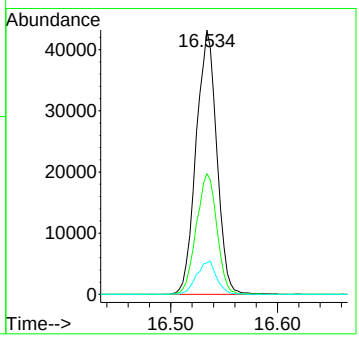




#96
1,2,4-TRIMETHYLBENZENE
Concen: 1.0335 PPBV
RT: 16.534 min Scan# 5115
Delta R.T. -0.000 min
Lab File: 7w11609.D
Acq: 9 Jan 2025 7:30 am

Tgt Ion:105 Resp: 58031

Ion	Ratio	Lower	Upper
105	100		
120	45.6	38.8	72.0
119	12.4	74.3	137.9#



Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11614.D
Acq On : 9 Jan 2025 10:46 am
Operator : benk
Sample : je3522-10 Inst : MS7W
Misc : MS88628,v7w416,80,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 10 06:47:48 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

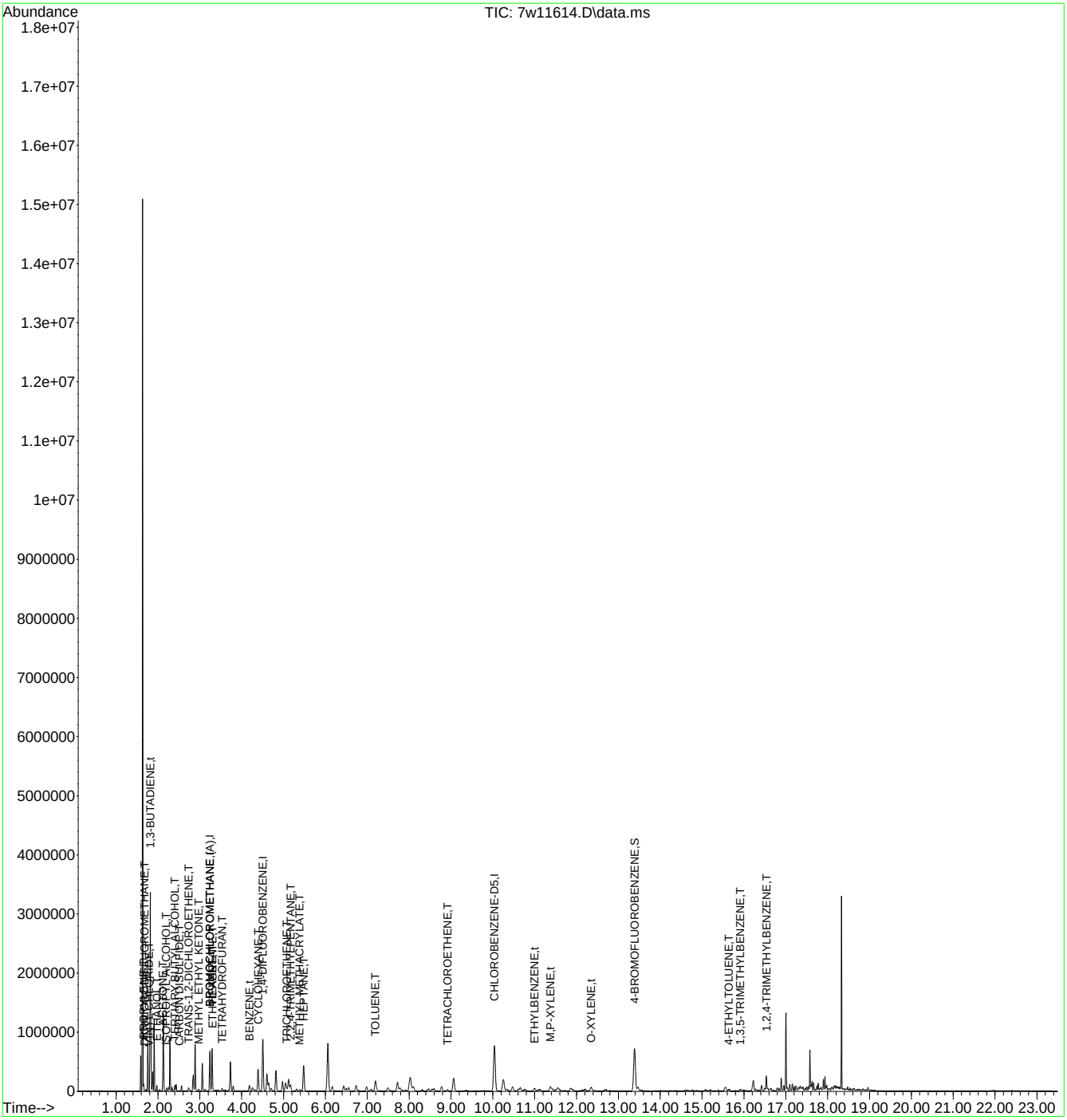
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.239	128	135871	10.00	PPBV	0.01
52) 1,4-DIFLUOROBENZENE	4.505	114	661806	10.00	PPBV	0.01
76) CHLOROBENZENE-D5	10.039	117	631798	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.239	128	135885	10.00	PPBV	0.01
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	460871	10.05	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.673	85	4110	0.1213	PPBV #	93
7) PROPYLENE	1.657	41	23096	2.5903	PPBV	81
11) VINYL CHLORIDE	1.779	62	1274	0.1121	PPBV #	1
12) 1,3-BUTADIENE	1.817	54	726928	75.0744	PPBV	94
22) ISOPROPYL ALCOHOL	2.194	45	12142	0.4824	PPBV #	86
23) ACETONE	2.113	58	68109	8.6277	PPBV #	1
27) CARBON DISULFIDE	2.509	76	5911	0.2015	PPBV #	80
28) ETHANOL	1.972	45	58327	8.4649	PPBV	97
34) TRANS-1,2-DICHLOROETHENE	2.734	96	11837	0.9652	PPBV	91
35) TERTIARY BUTYL ALCOHOL	2.403	59	31927	1.1029	PPBV #	33
37) TETRAHYDROFURAN	3.531	72	11071	2.0371	PPBV	86
38) HEXANE	3.290	57	237573	10.6168	PPBV #	76
41) METHYL ETHYL KETONE	2.975	72	7820	1.2955	PPBV	82
44) ETHYL ACETATE	3.303	61	4394	1.0249	PPBV #	1
51) BENZENE	4.184	78	72727	2.0042	PPBV	98
53) CYCLOHEXANE	4.390	84	129073	8.2549	PPBV	97
55) TRICHLOROETHENE	5.075	95	3523	0.2094	PPBV	92
60) 2,2,4-TRIMETHYLPENTANE	5.165	57	109428	1.7195	PPBV	88
62) HEPTANE	5.480	43	186963	8.3597	PPBV	96
63) METHYL METHACRYLATE	5.380	69	11929	0.8299	PPBV	82
66) TOLUENE	7.193	91	168627	3.6060	PPBV	100
72) TETRACHLOROETHENE	8.917	164	9058	0.5112	PPBV	95
79) ETHYLBENZENE	10.994	91	51534	0.8281	PPBV	99
80) M,P-XYLENE	11.370	91	113363	2.3239	PPBV	60
81) O-XYLENE	12.351	91	65372	1.3343	PPBV	98
92) 4-ETHYLTOLUENE	15.640	105	34290	0.5040	PPBV	95
93) 1,3,5-TRIMETHYLBENZENE	15.913	105	31677	0.5532	PPBV	98
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	124386	2.1535	PPBV #	35

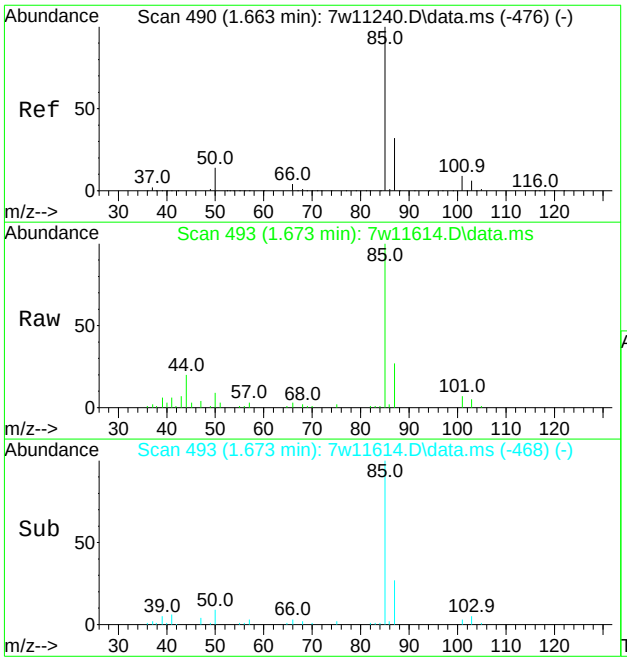
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSAIR\Done\2025\January\09 Jan 2025\V7W416\
Data File : 7w11614.D
Acq On : 9 Jan 2025 10:46 am
Operator : benk
Sample : je3522-10 Inst : MS7W
Misc : MS88628,v7w416,80,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 10 06:47:48 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

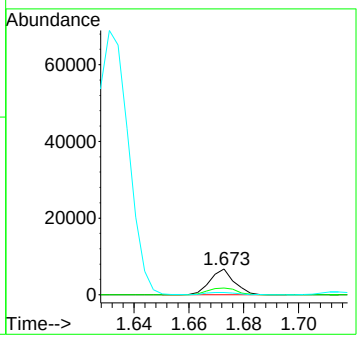


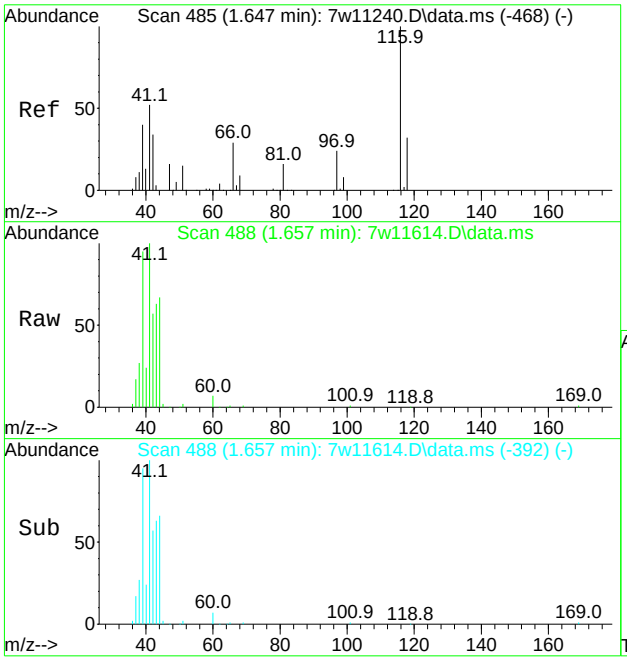


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1213 PPBV
RT: 1.673 min Scan# 493
Delta R.T. 0.010 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 85 Resp: 4110

Ion	Ratio	Lower	Upper
85	100		
87	31.2	22.5	41.7
50	12.3	13.8	25.6#

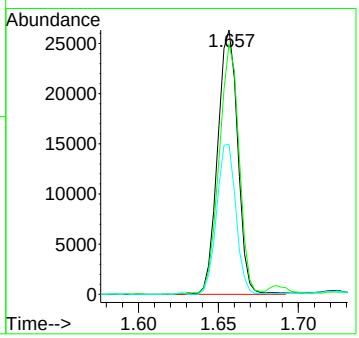


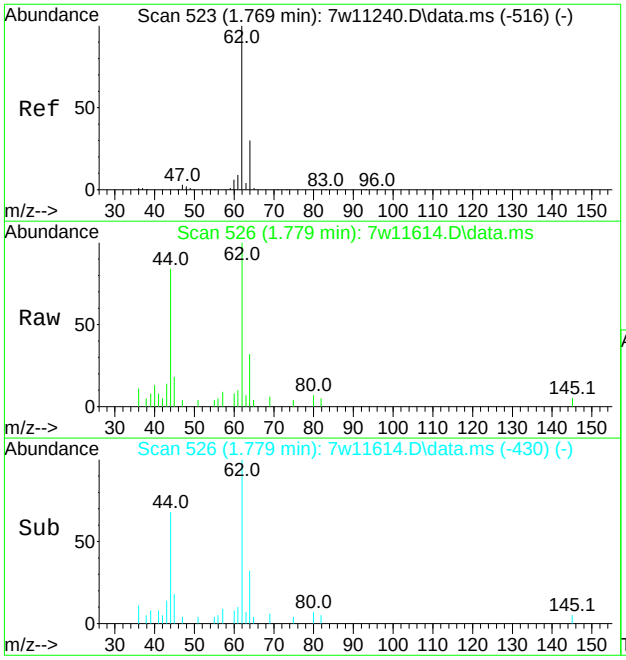


#7
PROPYLENE
Concen: 2.5903 PPBV
RT: 1.657 min Scan# 488
Delta R.T. 0.010 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 41 Resp: 23096

Ion	Ratio	Lower	Upper
41	100		
39	94.1	52.9	98.3
42	54.6	46.6	86.6

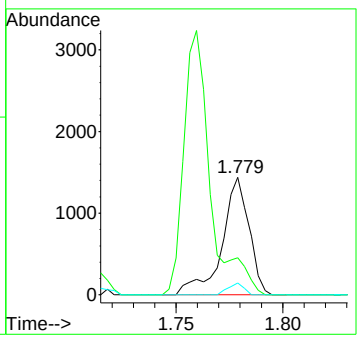


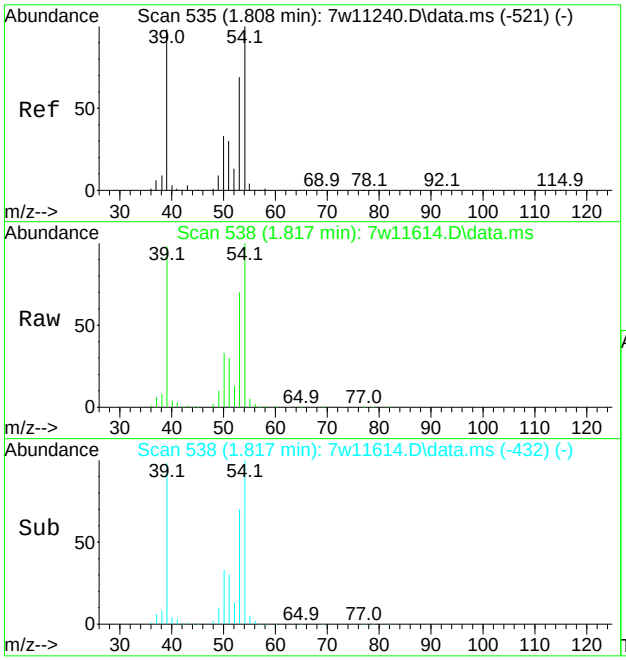


#11
VINYL CHLORIDE
Concen: 0.1121 PPBV
RT: 1.779 min Scan# 526
Delta R.T. 0.010 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 62 Resp: 1274

Ion	Ratio	Lower	Upper
62	100		
64	218.7	21.4	39.8#
61	5.9	5.9	11.1#

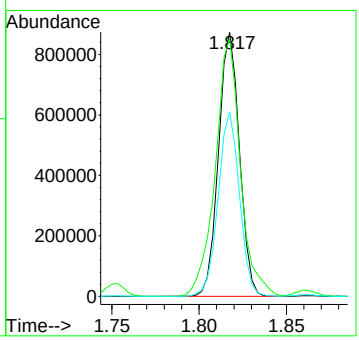


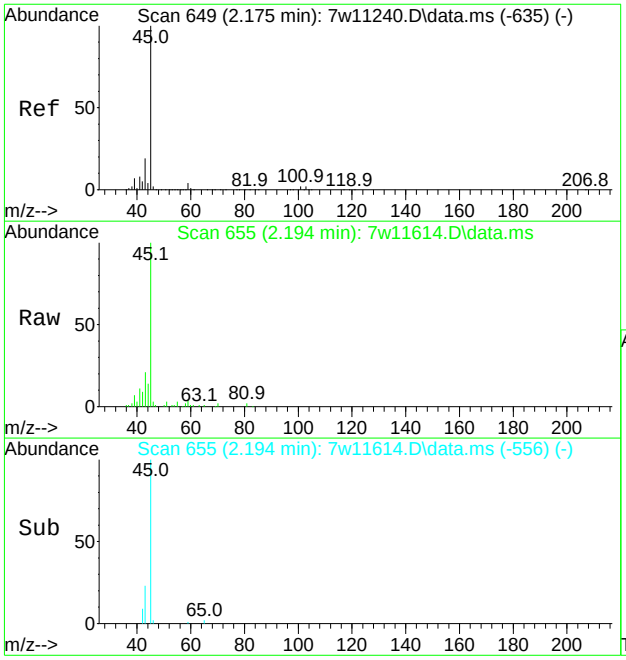


#12
1,3-BUTADIENE
Concen: 75.0744 PPBV
RT: 1.817 min Scan# 538
Delta R.T. 0.009 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 54 Resp: 726928

Ion	Ratio	Lower	Upper
54	100		
39	117.3	98.3	158.3
53	71.4	41.0	101.0

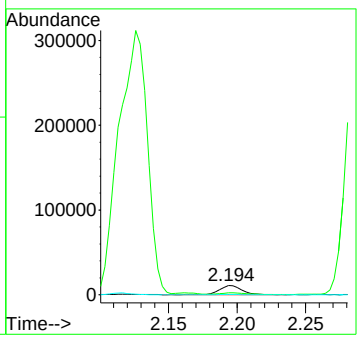


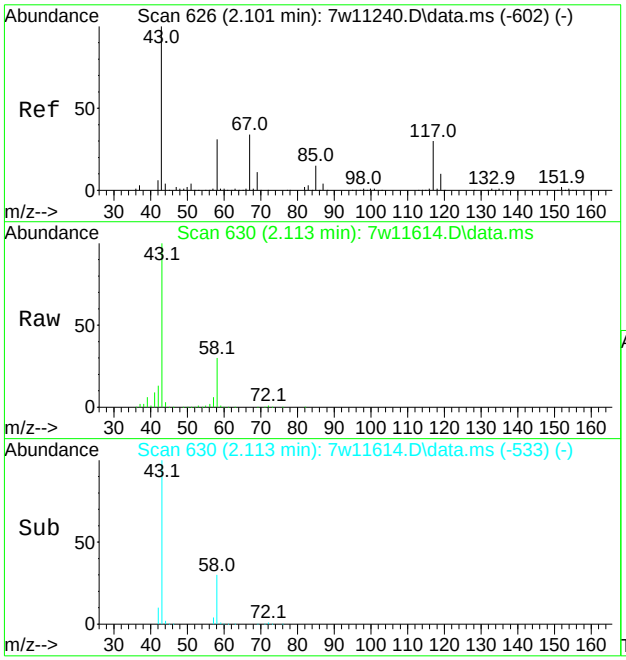


#22
ISOPROPYL ALCOHOL
Concen: 0.4824 PPBV
RT: 2.194 min Scan# 655
Delta R.T. 0.019 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 45 Resp: 12142

Ion	Ratio	Lower	Upper
45	100		
43	27.4	13.9	25.9#
59	4.6	2.8	5.2

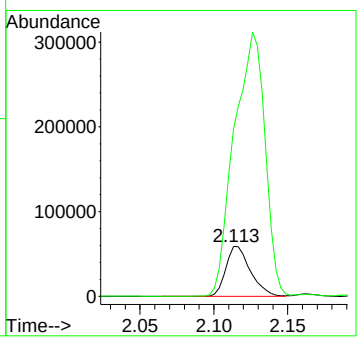


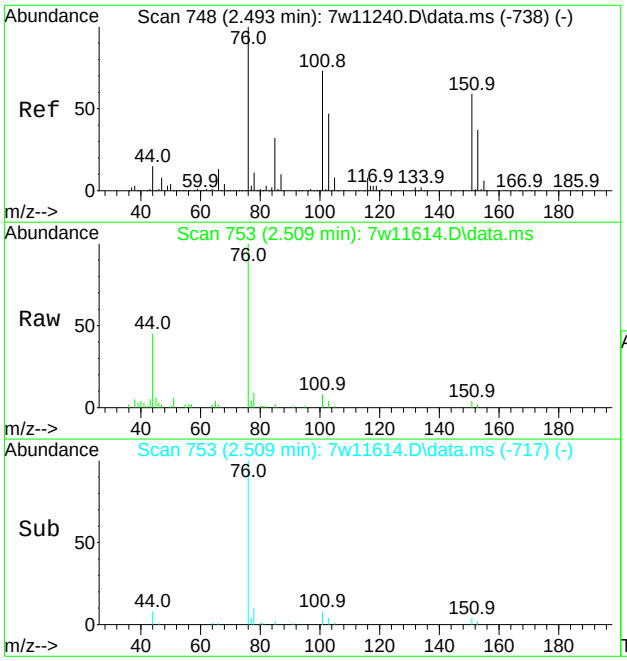


#23
ACETONE
Concen: 8.6277 PPBV
RT: 2.113 min Scan# 630
Delta R.T. 0.012 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 58 Resp: 68109

Ion	Ratio	Lower	Upper
58	100		
43	665.1	234.4	435.2#

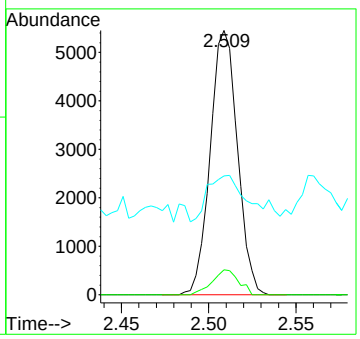


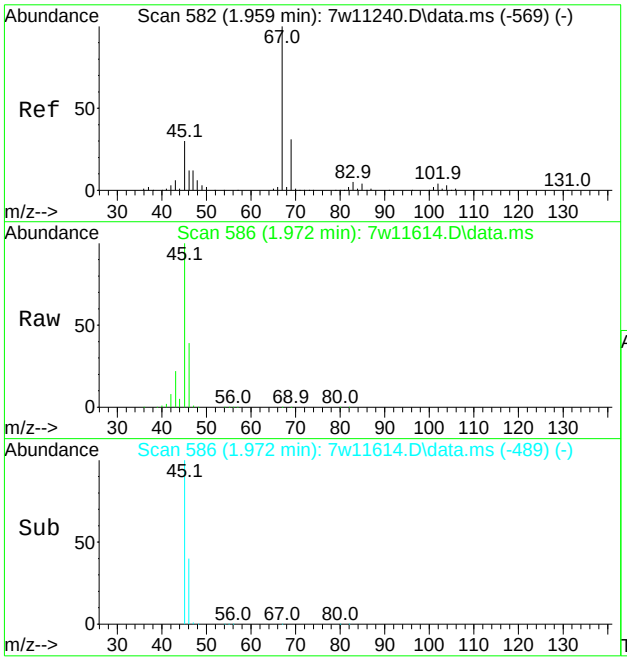


#27
CARBON DISULFIDE
Concen: 0.2015 PPBV
RT: 2.509 min Scan# 753
Delta R.T. 0.016 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 76 Resp: 5911

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.8	14.6
44	29.1	11.3	20.9#

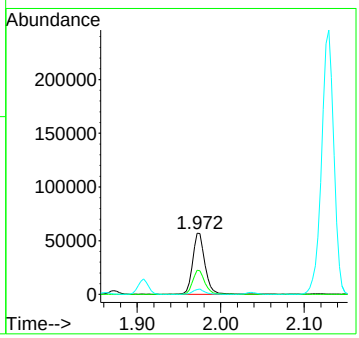


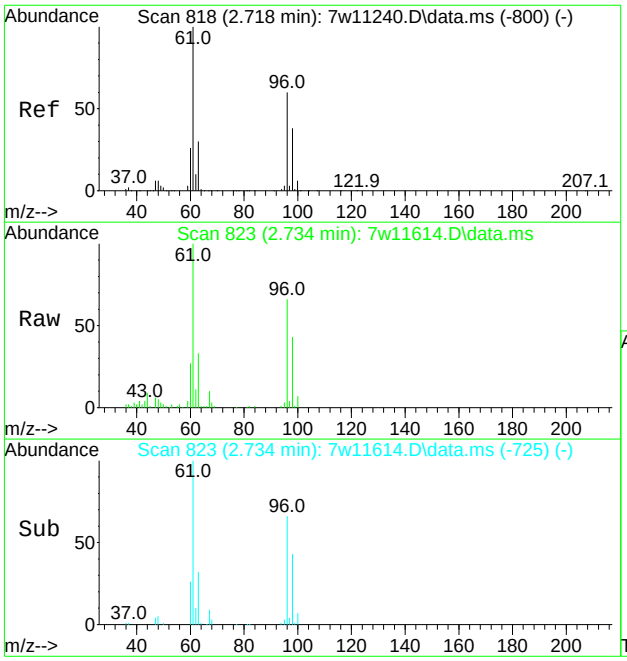


#28
ETHANOL
Concen: 8.4649 PPBV
RT: 1.972 min Scan# 586
Delta R.T. 0.013 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 45 Resp: 58327

Ion	Ratio	Lower	Upper
45	100		
46	39.0	28.6	53.0
42	8.1	6.3	11.7

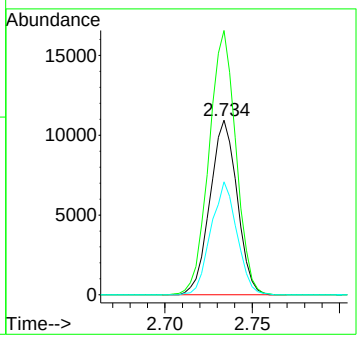


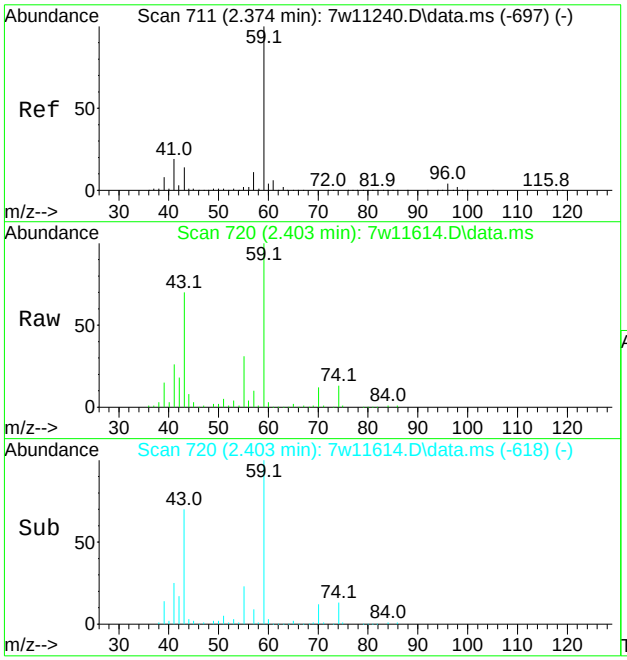


#34
TRANS-1,2-DICHLOROETHENE
Concen: 0.9652 PPBV
RT: 2.734 min Scan# 823
Delta R.T. 0.016 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 96 Resp: 11837

Ion	Ratio	Lower	Upper
96	100		
61	150.2	116.2	215.8
98	62.0	44.2	82.2

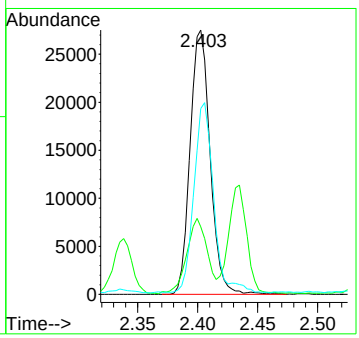


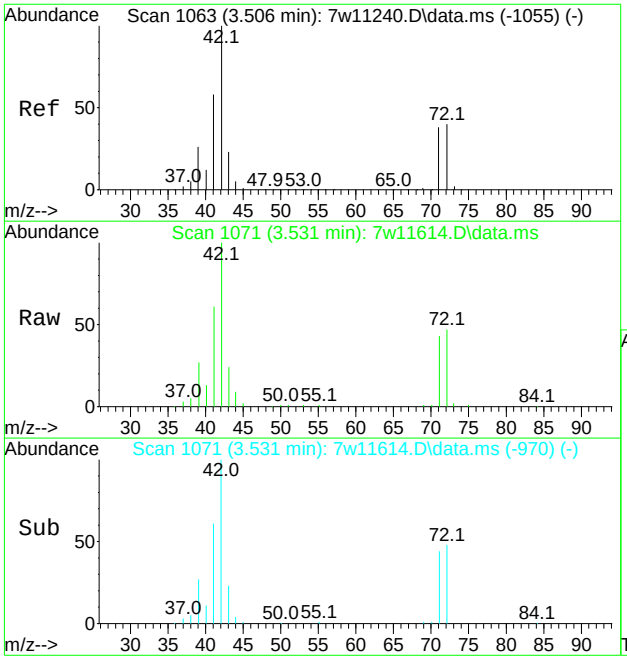


#35
TERTIARY BUTYL ALCOHOL
Concen: 1.1029 PPBV
RT: 2.403 min Scan# 720
Delta R.T. 0.029 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 59 Resp: 31927

Ion	Ratio	Lower	Upper
59	100		
41	28.6	14.3	26.5#
43	70.9	9.9	18.5#

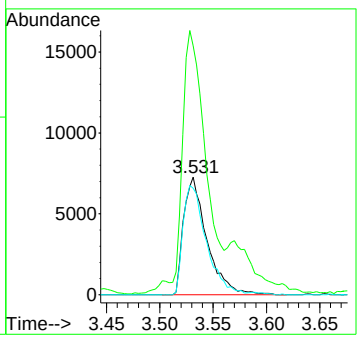


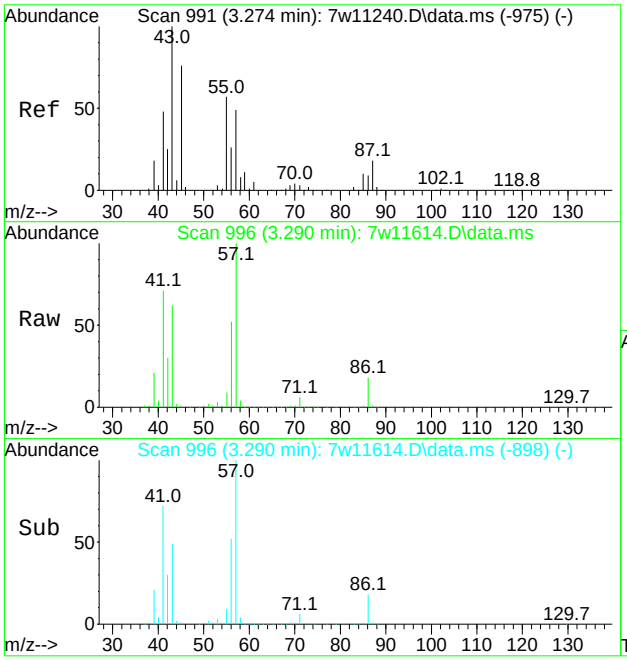


#37
TETRAHYDROFURAN
Concen: 2.0371 PPBV
RT: 3.531 min Scan# 1071
Delta R.T. 0.025 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 72 Resp: 11071

Ion	Ratio	Lower	Upper
72	100		
42	282.3	174.9	324.9
71	94.0	67.2	124.8

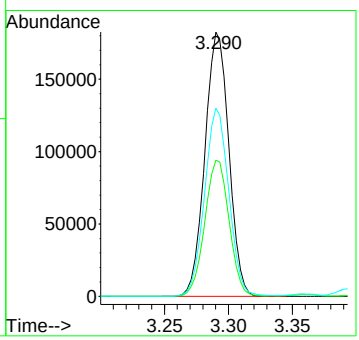


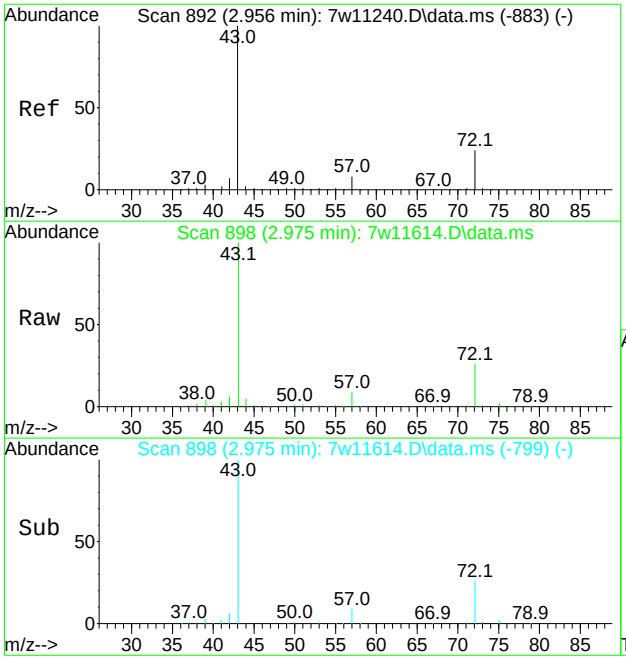


#38
HEXANE
Concen: 10.6168 PPBV
RT: 3.290 min Scan# 996
Delta R.T. 0.016 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 57 Resp: 237573

Ion	Ratio	Lower	Upper
57	100		
56	52.4	37.8	70.2
41	72.3	75.9	140.9#

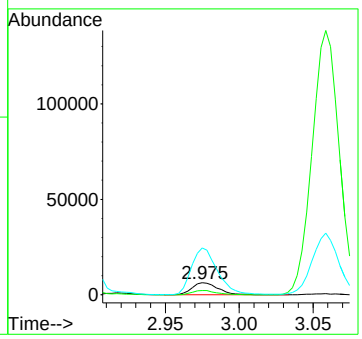


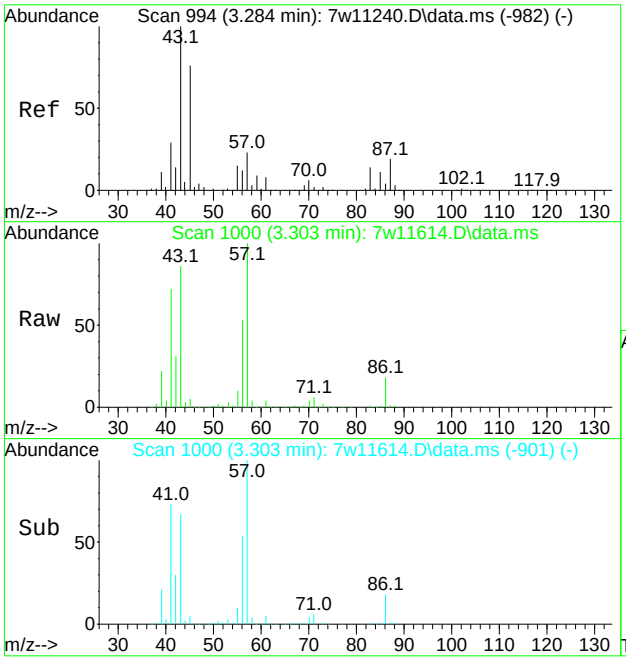


#41
METHYL ETHYL KETONE
Concen: 1.2955 PPBV
RT: 2.975 min Scan# 898
Delta R.T. 0.019 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 72 Resp: 7820

Ion	Ratio	Lower	Upper
72	100		
57	34.9	25.3	46.9
43	381.1	299.6	556.4

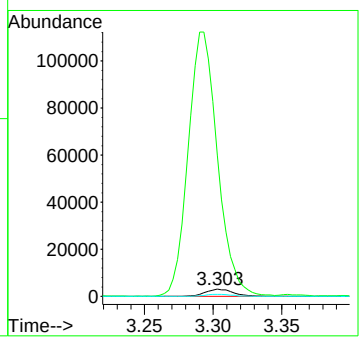


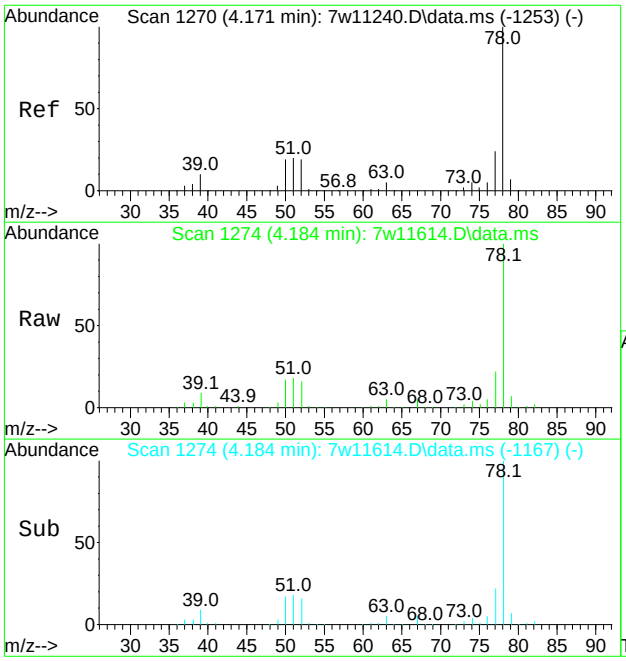


#44
ETHYL ACETATE
Concen: 1.0249 PPBV
RT: 3.303 min Scan# 1000
Delta R.T. 0.019 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 61 Resp: 4394

Ion	Ratio	Lower	Upper
61	100		
43	3808.4	1005.1	1866.5#
88	28.1	29.3	54.5#

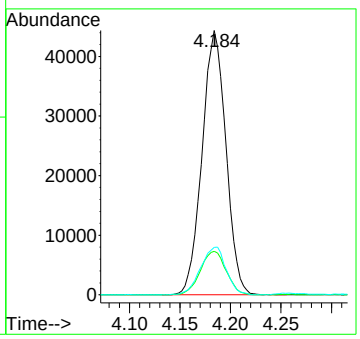


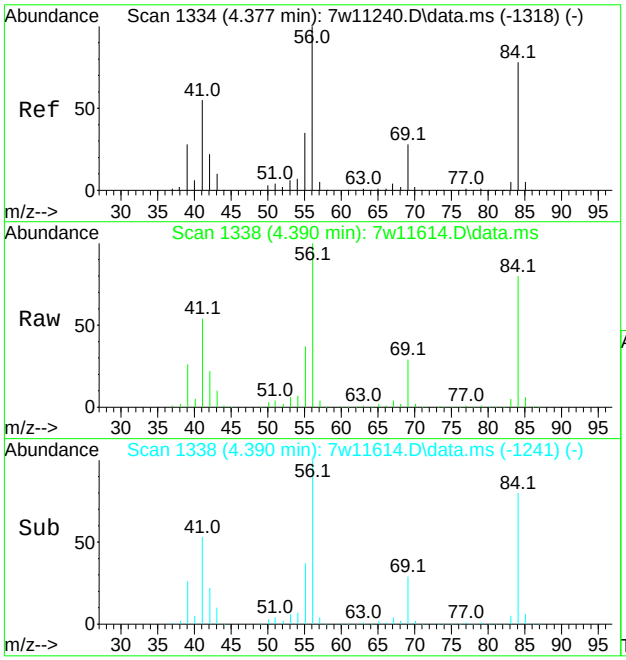


#51
BENZENE
Concen: 2.0042 PPBV
RT: 4.184 min Scan# 1274
Delta R.T. 0.013 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 78 Resp: 72727

Ion	Ratio	Lower	Upper
78	100		
52	17.8	0.0	48.9
51	19.3	0.0	50.2

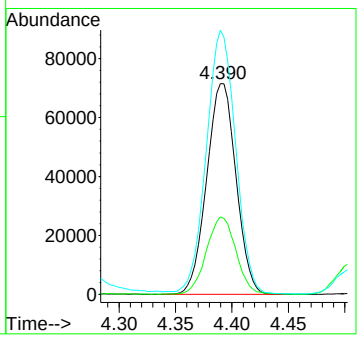


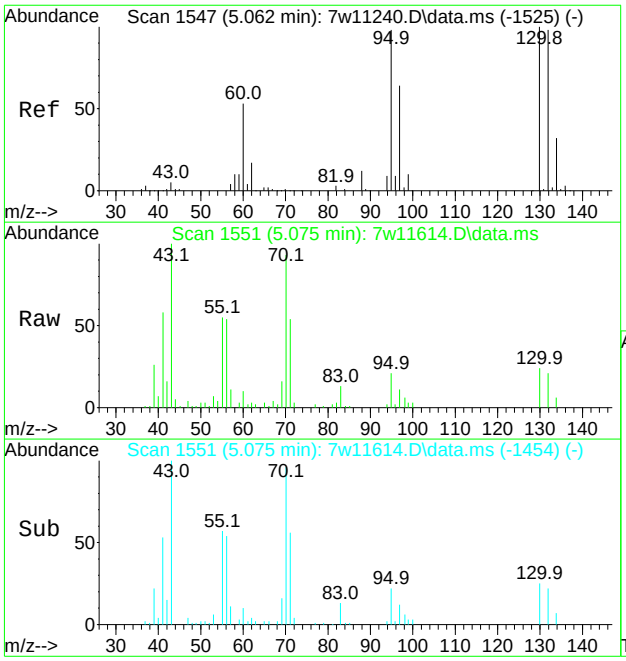


#53
CYCLOHEXANE
Concen: 8.2549 PPBV
RT: 4.390 min Scan# 1338
Delta R.T. 0.013 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 84 Resp: 129073

Ion	Ratio	Lower	Upper
84	100		
69	37.1	24.8	46.0
56	125.1	89.8	166.8

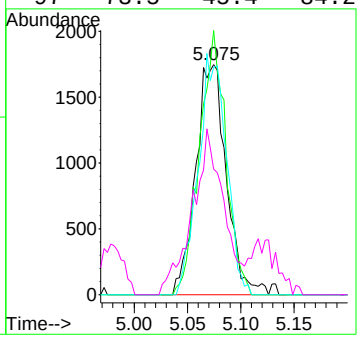


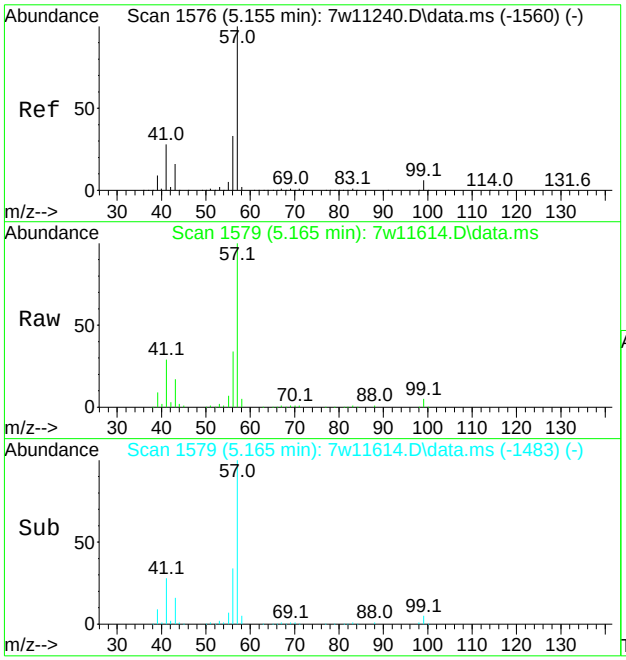


#55
TRICHLOROETHENE
Concen: 0.2094 PPBV
RT: 5.075 min Scan# 1551
Delta R.T. 0.013 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 95 Resp: 3523

Ion	Ratio	Lower	Upper
95	100		
130	98.2	72.8	135.2
132	94.9	71.9	133.5
97	73.5	45.4	84.2

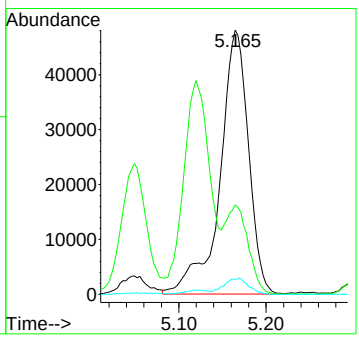


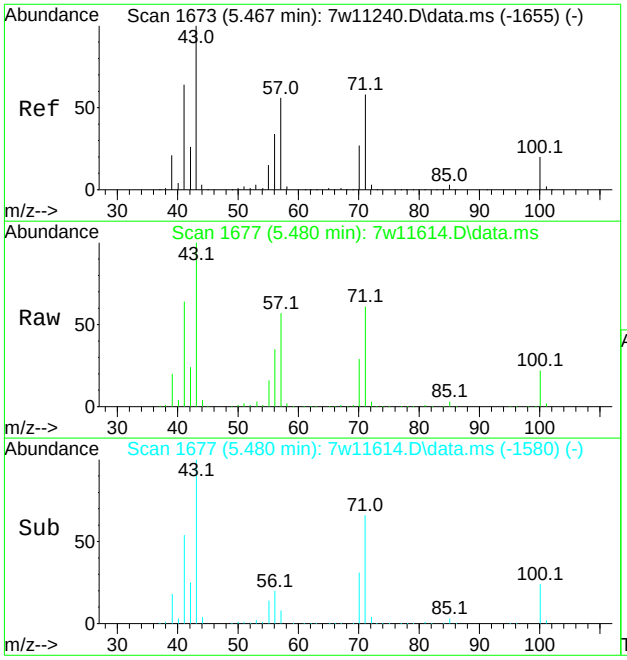


#60
2,2,4-TRIMETHYLPENTANE
Concen: 1.7195 PPBV
RT: 5.165 min Scan# 1579
Delta R.T. 0.010 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 57 Resp: 109428

Ion	Ratio	Lower	Upper
57	100		
56	24.5	22.7	42.1
99	5.3	3.9	7.3

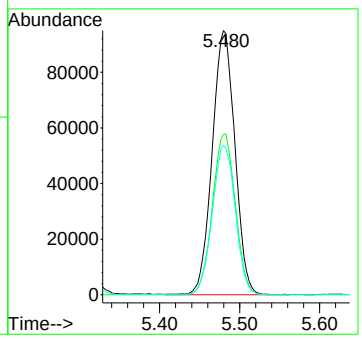


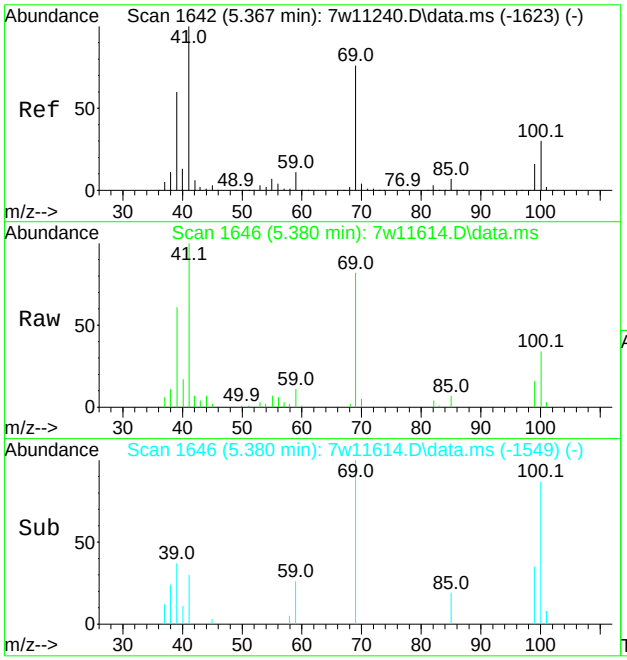


#62
HEPTANE
Concen: 8.3597 PPBV
RT: 5.480 min Scan# 1677
Delta R.T. 0.013 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 43 Resp: 186963

Ion	Ratio	Lower	Upper
43	100		
71	61.4	40.0	74.4
57	57.5	38.9	72.2

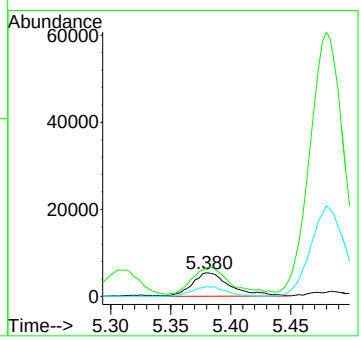


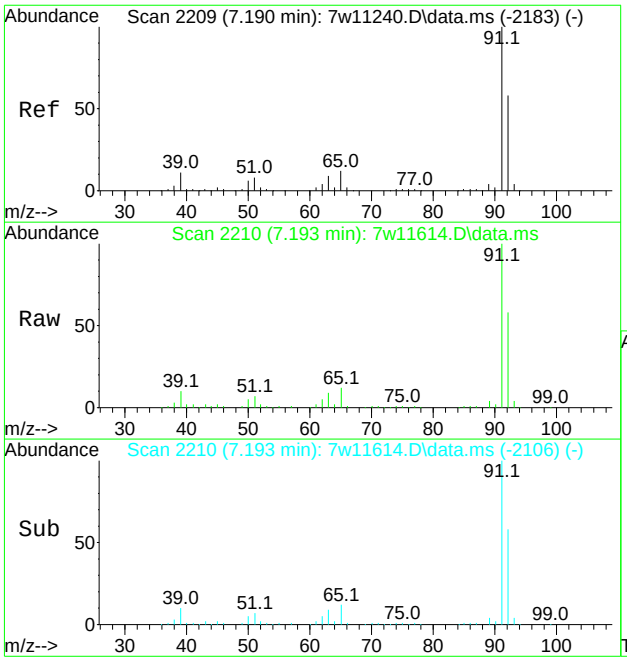


#63
METHYL METHACRYLATE
Concen: 0.8299 PPBV
RT: 5.380 min Scan# 1646
Delta R.T. 0.013 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 69 Resp: 11929

Ion	Ratio	Lower	Upper
69	100		
41	110.8	95.5	177.4
100	36.7	28.3	52.7

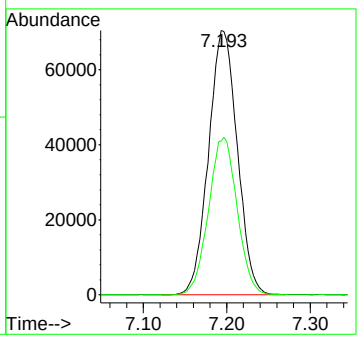


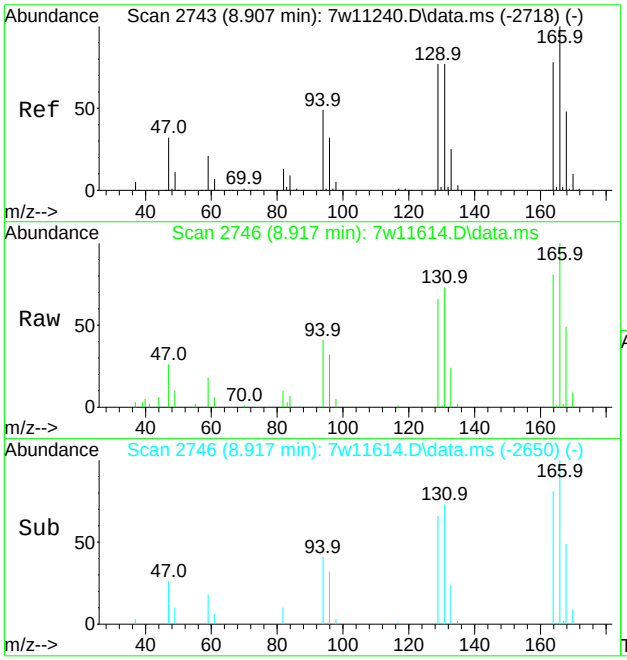


#66
TOLUENE
Concen: 3.6060 PPBV
RT: 7.193 min Scan# 2210
Delta R.T. 0.003 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 91 Resp: 168627

Ion	Ratio	Lower	Upper
91	100		
92	59.3	29.0	89.0

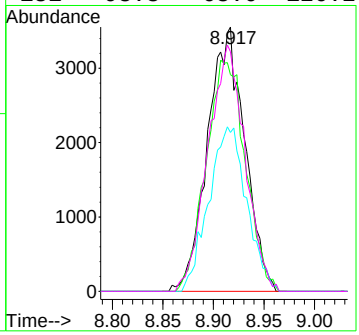


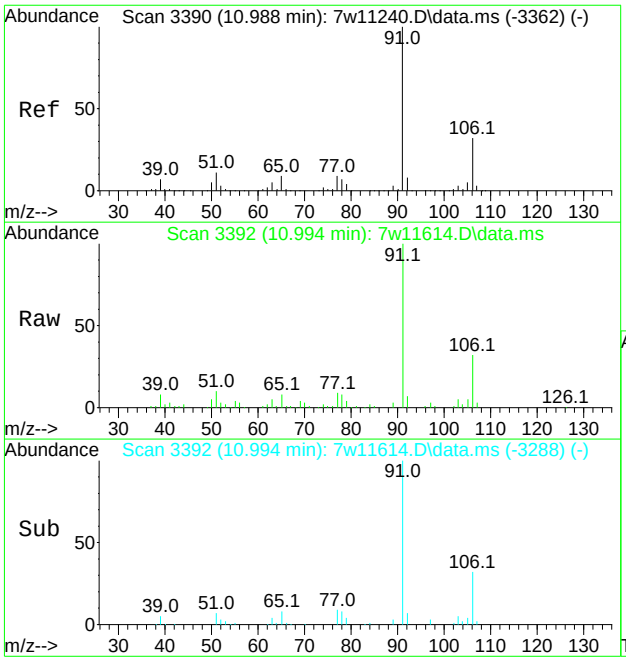


#72
TETRACHLOROETHENE
Concen: 0.5112 PPBV
RT: 8.917 min Scan# 2746
Delta R.T. 0.010 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion:164 Resp: 9058

Ion	Ratio	Lower	Upper
164	100		
129	92.9	68.9	127.9
168	63.8	42.3	78.5
131	93.3	68.0	126.2

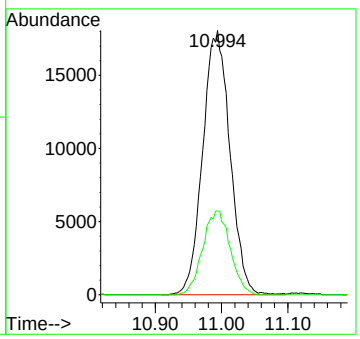


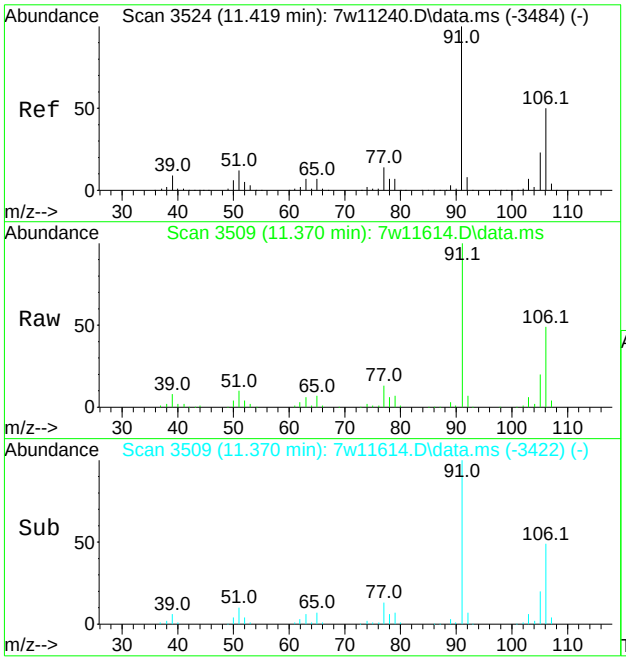


#79
ETHYLBENZENE
Concen: 0.8281 PPBV
RT: 10.994 min Scan# 3392
Delta R.T. 0.006 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 91 Resp: 51534

Ion	Ratio	Lower	Upper
91	100		
106	32.1	1.6	61.6

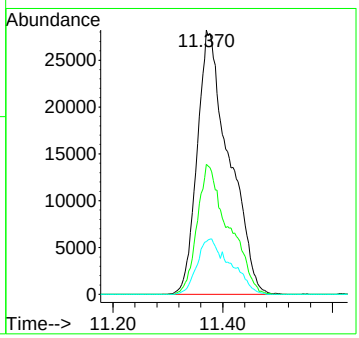


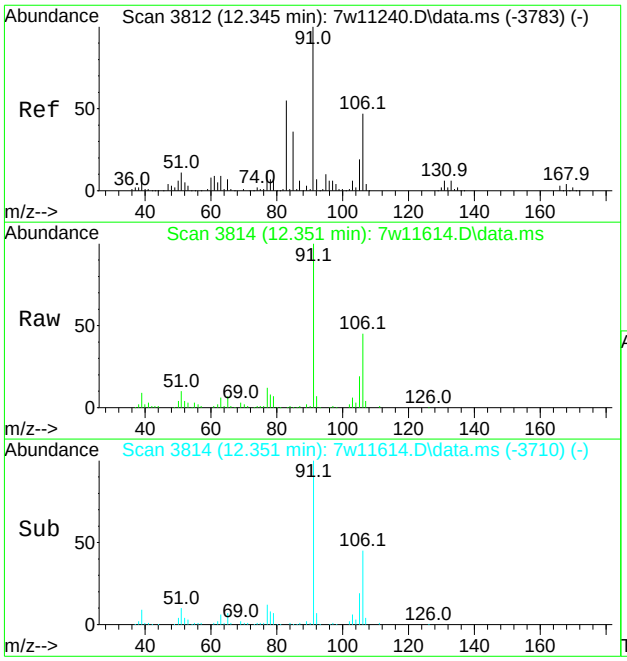


#80
M,P-XYLENE
Concen: 2.3239 PPBV
RT: 11.370 min Scan# 3509
Delta R.T. -0.049 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 91 Resp: 113363

Ion	Ratio	Lower	Upper
91	100		
106	48.9	0.0	55.5
105	21.9	0.0	41.7

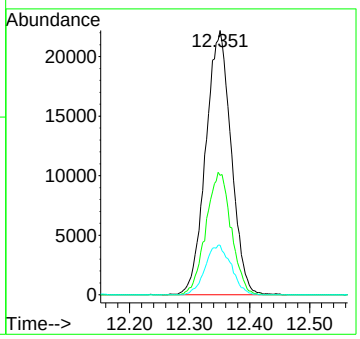


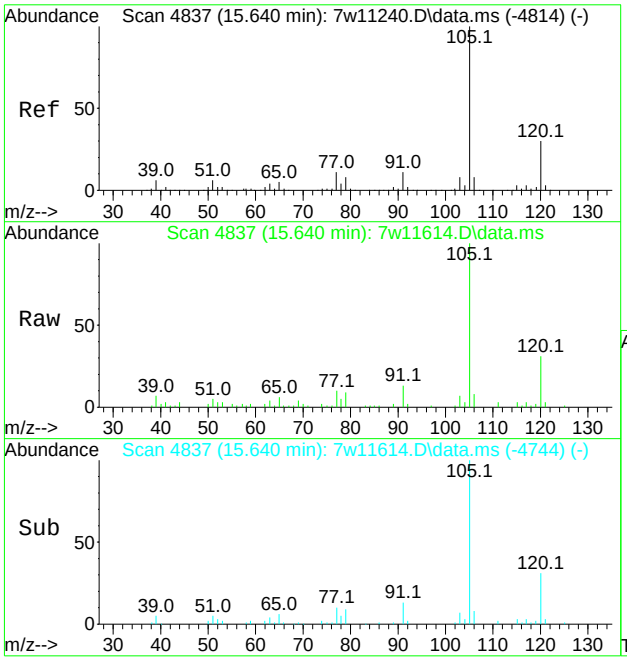


#81
O-XYLENE
Concen: 1.3343 PPBV
RT: 12.351 min Scan# 3814
Delta R.T. 0.006 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion: 91 Resp: 65372

Ion	Ratio	Lower	Upper
91	100		
106	45.2	32.7	60.7
105	18.8	13.2	24.6

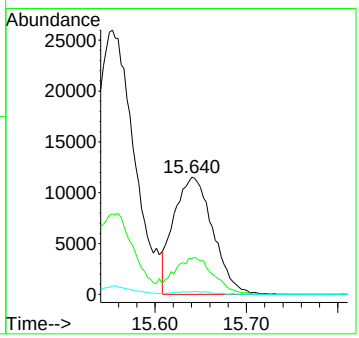


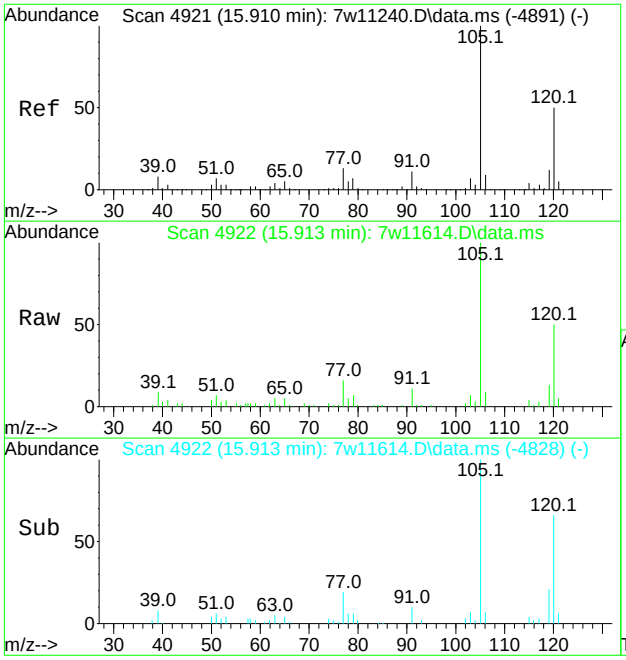


#92
4-ETHYLTOLUENE
Concen: 0.5040 PPBV
RT: 15.640 min Scan# 4837
Delta R.T. 0.000 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion:105 Resp: 34290

Ion	Ratio	Lower	Upper
105	100		
120	32.7	21.1	39.1
119	2.2	1.6	3.0

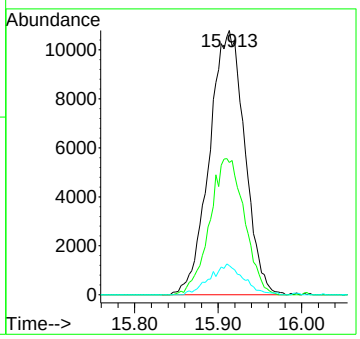


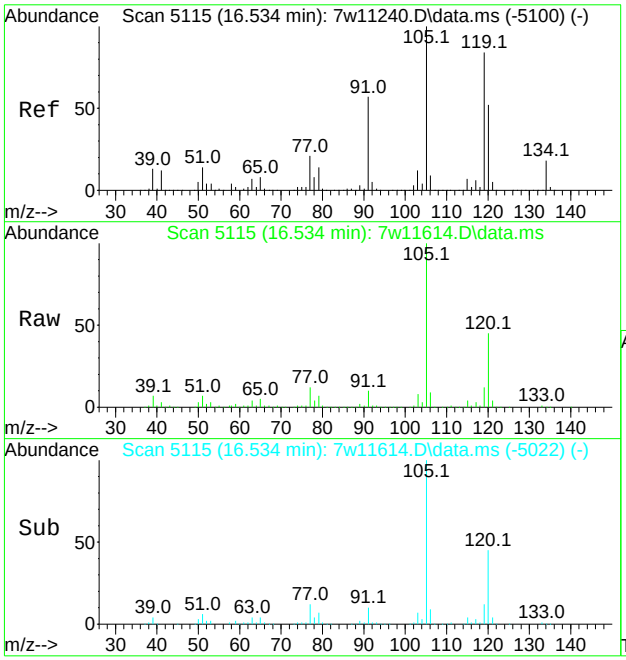


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.5532 PPBV
RT: 15.913 min Scan# 4922
Delta R.T. 0.003 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion:105 Resp: 31677

Ion	Ratio	Lower	Upper
105	100		
120	50.9	34.9	64.7
91	11.1	7.5	13.9

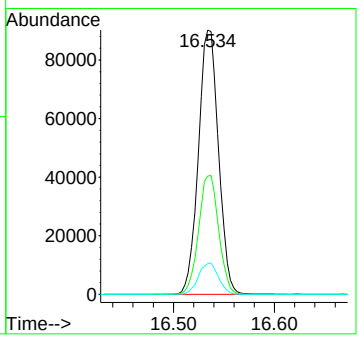




#96
1,2,4-TRIMETHYLBENZENE
Concen: 2.1535 PPBV
RT: 16.534 min Scan# 5115
Delta R.T. -0.000 min
Lab File: 7w11614.D
Acq: 9 Jan 2025 10:46 am

Tgt Ion:105 Resp: 124386

Ion	Ratio	Lower	Upper
105	100		
120	45.0	38.8	72.0
119	12.0	74.3	137.9#



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\10 Jan 2025\v7w416\
Data File : 7w11620.D
Acq On : 9 Jan 2025 2:58 pm
Operator : benk
Sample : je3522-10 Inst : MS7W
Misc : MS88628,v7w416,20,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 09 23:49:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

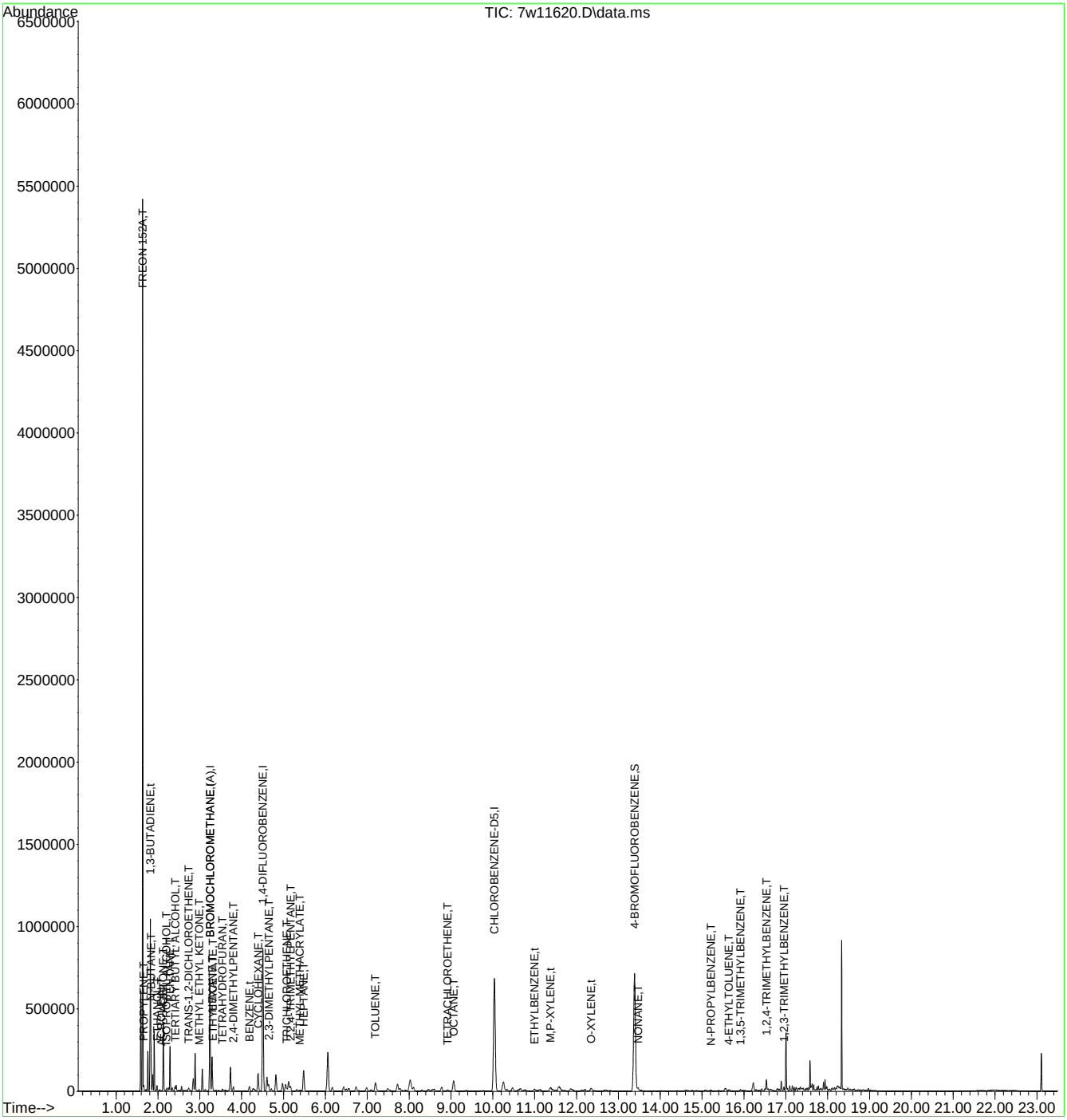
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.242	128	134148	10.00	PPBV		0.02
52) 1,4-DIFLUOROBENZENE	4.506	114	654362	10.00	PPBV		0.01
76) CHLOROBENZENE-D5	10.036	117	614577	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.242	128	134148	10.00	PPBV		0.02
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	444334	9.96	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.634	65	916650	143.4891	PPBV		99
7) PROPYLENE	1.657	41	6883	0.7819	PPBV		79
12) 1,3-BUTADIENE	1.818	54	224921	23.5274	PPBV		93
13) N-BUTANE	1.834	43	102403	5.8859	PPBV		99
18) ACROLEIN	2.078	56	993	0.1754	PPBV		91
22) ISOPROPYL ALCOHOL	2.197	45	4257	0.1713	PPBV	#	86
23) ACETONE	2.120	58	20185	2.5898	PPBV	#	1
24) PENTANE	2.287	42	59121	4.9527	PPBV		99
28) ETHANOL	1.978	45	20542	3.0195	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.734	96	3482	0.2876	PPBV		96
35) TERTIARY BUTYL ALCOHOL	2.409	59	9705	0.3396	PPBV	#	29
37) TETRAHYDROFURAN	3.538	72	3159	0.5887	PPBV		91
38) HEXANE	3.290	57	68956	3.1211	PPBV	#	77
41) METHYL ETHYL KETONE	2.981	72	2177	0.3653	PPBV		97
44) ETHYL ACETATE	3.309	61	1211	0.2861	PPBV	#	1
47) 2,4-DIMETHYLPENTANE	3.801	57	8112	0.3321	PPBV		95
51) BENZENE	4.184	78	20958	0.5850	PPBV		98
53) CYCLOHEXANE	4.390	84	37076	2.3982	PPBV		98
54) 2,3-DIMETHYLPENTANE	4.647	71	7693	0.9478	PPBV	#	73
55) TRICHLOROETHENE	5.071	95	1012	0.0608	PPBV		94
60) 2,2,4-TRIMETHYLPENTANE	5.165	57	31963	0.5080	PPBV		94
62) HEPTANE	5.483	43	53929	2.4388	PPBV		98
63) METHYL METHACRYLATE	5.387	69	3651	0.2569	PPBV		75
66) TOLUENE	7.194	91	48585	1.0508	PPBV		99
72) TETRACHLOROETHENE	8.917	164	2792	0.1594	PPBV		96
75) OCTANE	9.062	43	25364	0.8095	PPBV		98
79) ETHYLBENZENE	10.994	91	14754	0.2437	PPBV		100
80) M,P-XYLENE	11.373	91	31836	0.6709	PPBV		59
81) O-XYLENE	12.351	91	18302	0.3840	PPBV		95
83) NONANE	13.473	43	11832	0.3615	PPBV		98
91) N-PROPYLBENZENE	15.209	120	1983	0.1075	PPBV	#	83
92) 4-ETHYLTOLUENE	15.640	105	9836	0.1486	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.917	105	8932	0.1604	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.537	105	34290	0.6103	PPBV	#	36
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	10328	0.1835	PPBV	#	97

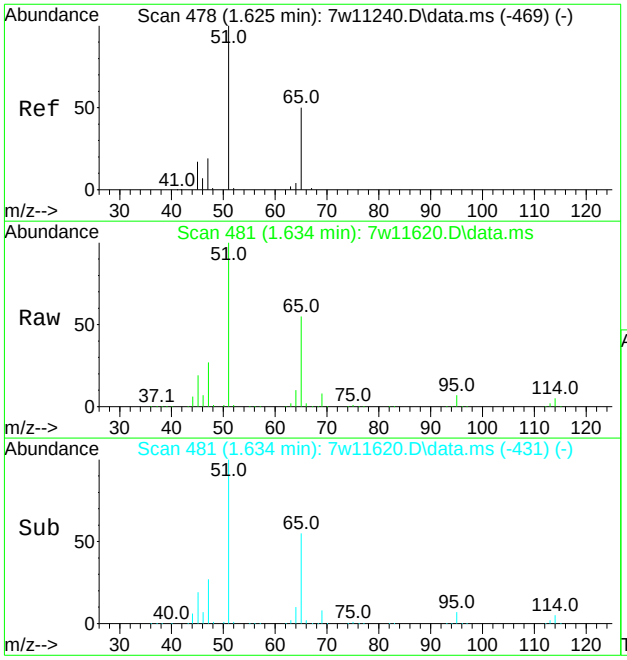
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\10 Jan 2025\v7w416\
Data File : 7w11620.D
Acq On : 9 Jan 2025 2:58 pm
Operator : benk
Sample : je3522-10 Inst : MS7W
Misc : MS88628,v7w416,20,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 09 23:49:28 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

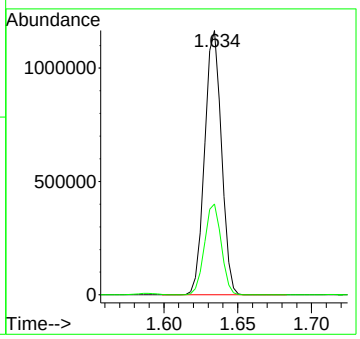


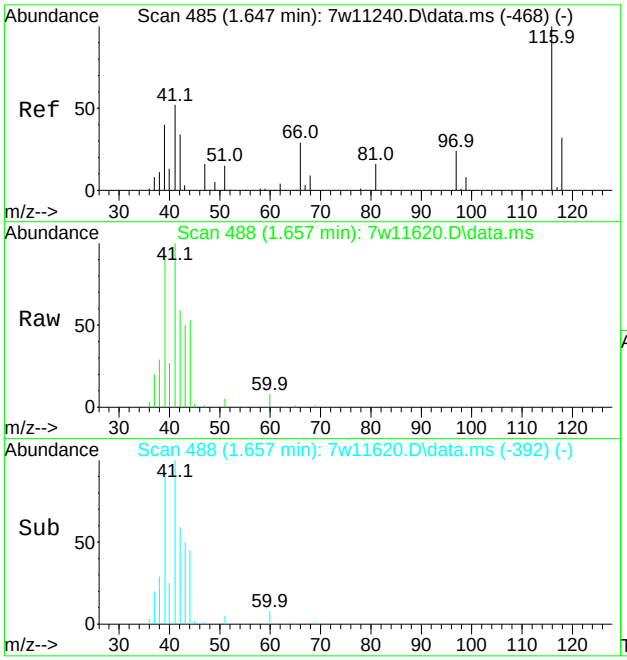


#3
FREON 152A
Concen: 143.4891 PPBV
RT: 1.634 min Scan# 481
Delta R.T. 0.009 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 65 Resp: 916650

Ion	Ratio	Lower	Upper
65	100		
45	34.4	23.5	43.7

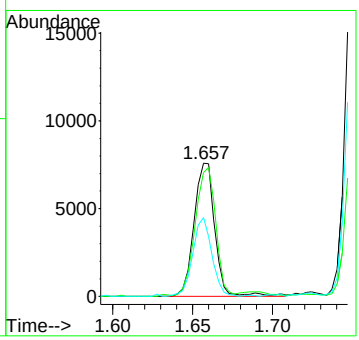


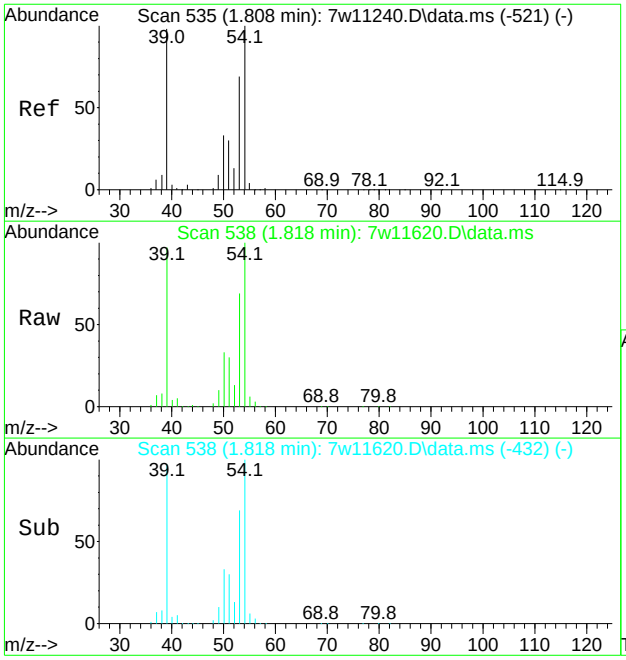


#7
PROPYLENE
Concen: 0.7819 PPBV
RT: 1.657 min Scan# 488
Delta R.T. 0.010 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 41 Resp: 6883

Ion	Ratio	Lower	Upper
41	100		
39	97.3	52.9	98.3
42	54.6	46.6	86.6

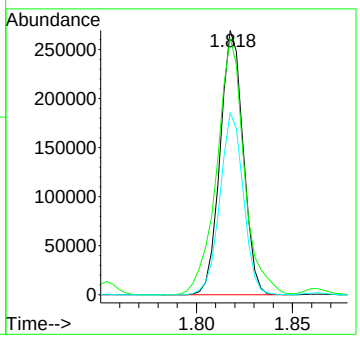


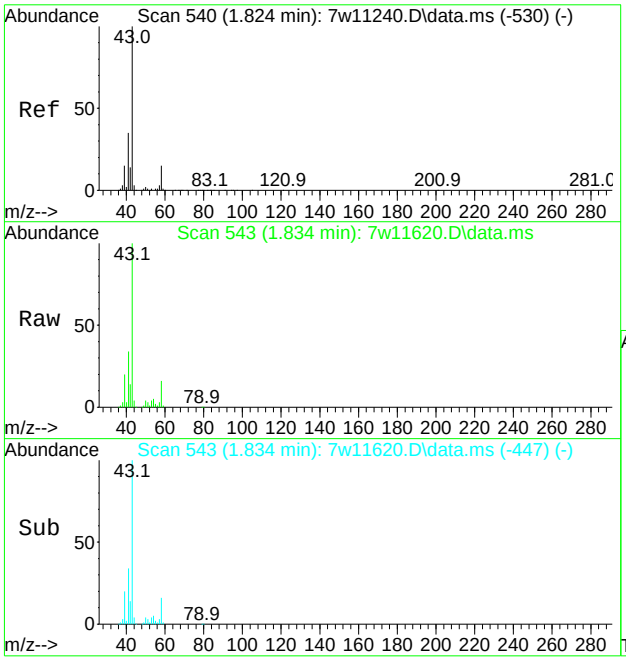


#12
1,3-BUTADIENE
Concen: 23.5274 PPBV
RT: 1.818 min Scan# 538
Delta R.T. 0.010 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 54 Resp: 224921

Ion	Ratio	Lower	Upper
54	100		
39	115.4	98.3	158.3
53	70.4	41.0	101.0

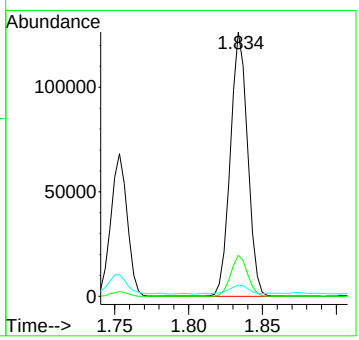


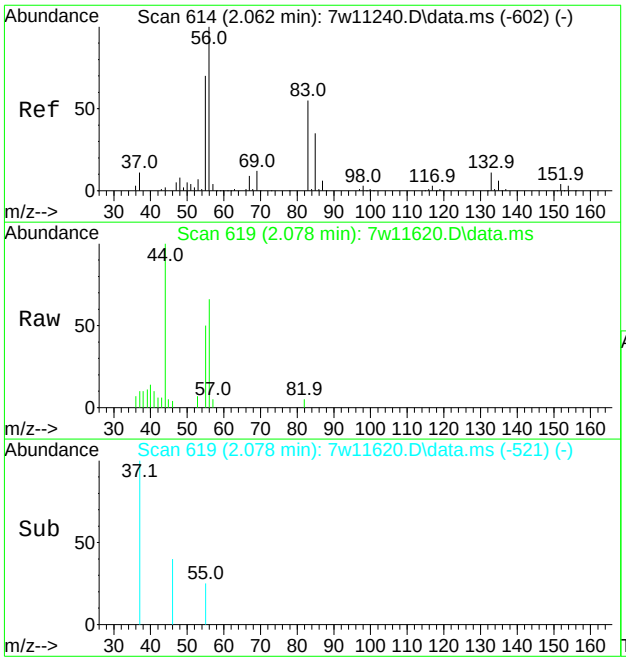


#13
N-BUTANE
Concen: 5.8859 PPBV
RT: 1.834 min Scan# 543
Delta R.T. 0.010 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 43 Resp: 102403

Ion	Ratio	Lower	Upper
43	100		
58	15.2	10.4	19.2
44	4.5	3.0	5.6

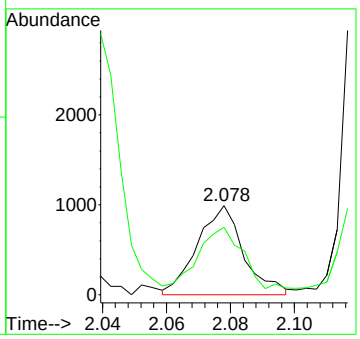


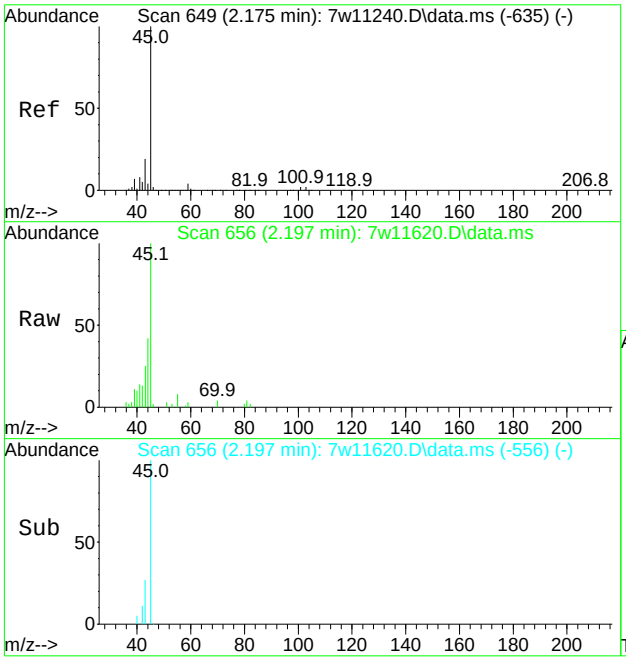


#18
ACROLEIN
Concen: 0.1754 PPBV
RT: 2.078 min Scan# 619
Delta R.T. 0.016 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 56 Resp: 993

Ion	Ratio	Lower	Upper
56	100		
55	64.0	50.3	93.3

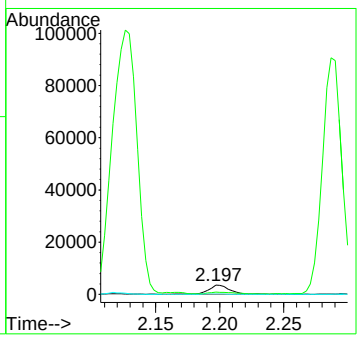


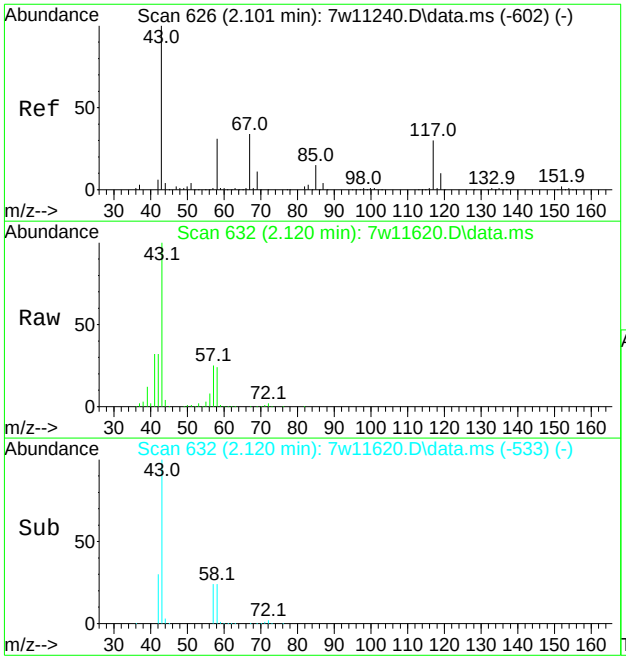


#22
ISOPROPYL ALCOHOL
Concen: 0.1713 PPBV
RT: 2.197 min Scan# 656
Delta R.T. 0.022 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 45 Resp: 4257

Ion	Ratio	Lower	Upper
45	100		
43	27.2	13.9	25.9#
59	2.8	2.8	5.2

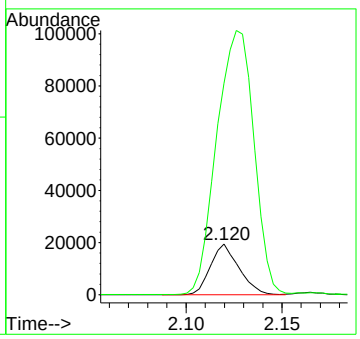


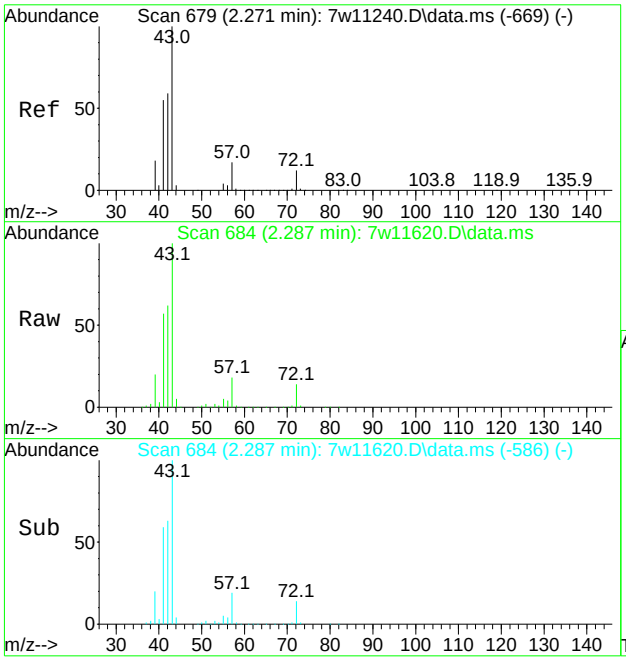


#23
ACETONE
Concen: 2.5898 PPBV
RT: 2.120 min Scan# 632
Delta R.T. 0.019 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 58 Resp: 20185

Ion	Ratio	Lower	Upper
58	100		
43	679.3	234.4	435.2#

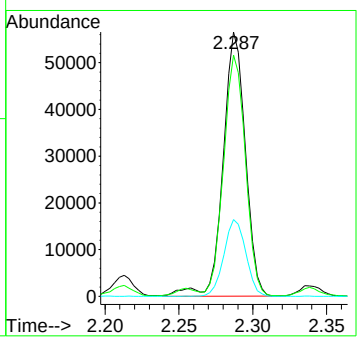


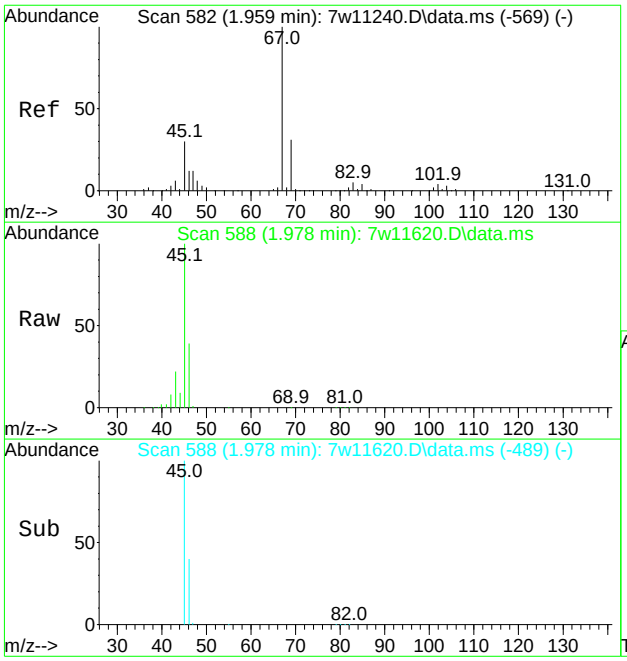


#24
PENTANE
Concen: 4.9527 PPBV
RT: 2.287 min Scan# 684
Delta R.T. 0.016 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 42 Resp: 59121

Ion	Ratio	Lower	Upper
42	100		
41	91.9	64.8	120.3
57	28.7	19.7	36.7

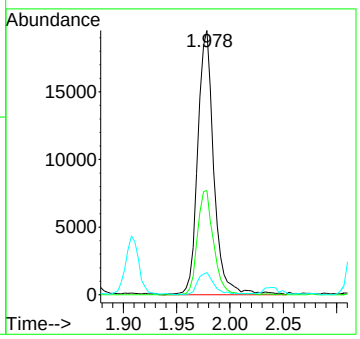


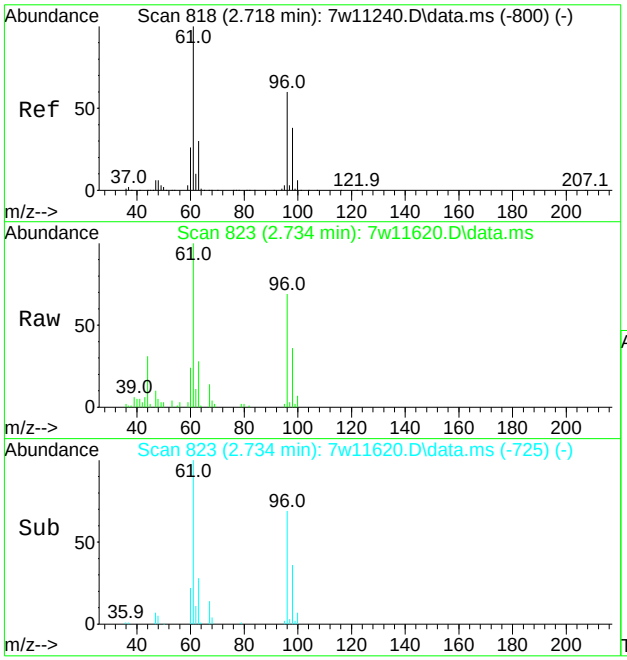


#28
ETHANOL
Concen: 3.0195 PPBV
RT: 1.978 min Scan# 588
Delta R.T. 0.019 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 45 Resp: 20542

Ion	Ratio	Lower	Upper
45	100		
46	39.3	28.6	53.0
42	8.6	6.3	11.7

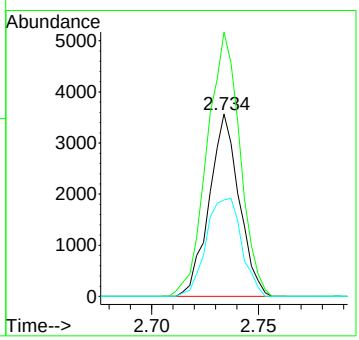


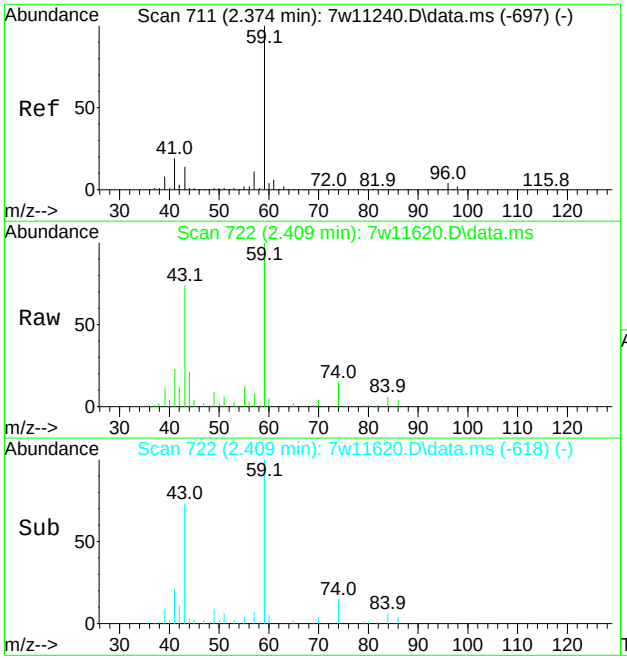


#34
TRANS-1,2-DICHLOROETHENE
Concen: 0.2876 PPBV
RT: 2.734 min Scan# 823
Delta R.T. 0.016 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 96 Resp: 3482

Ion	Ratio	Lower	Upper
96	100		
61	159.2	116.2	215.8
98	63.3	44.2	82.2

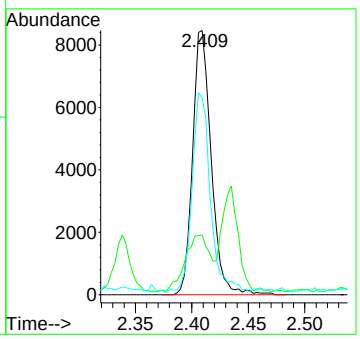


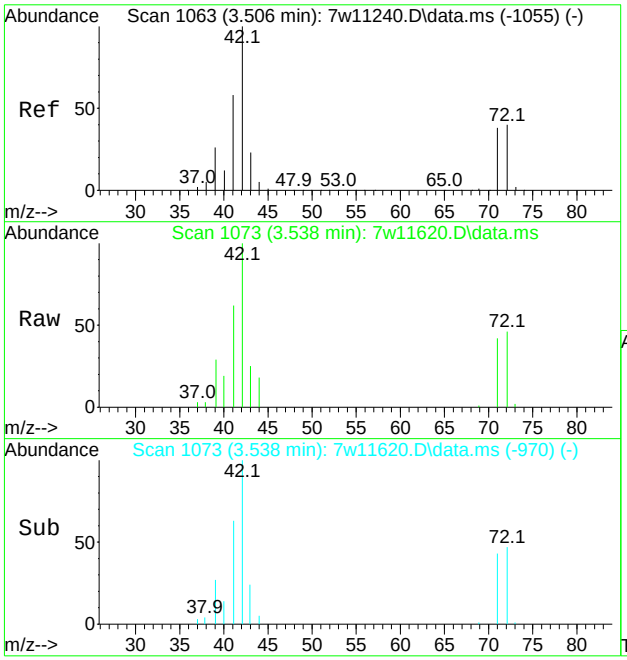


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.3396 PPBV
RT: 2.409 min Scan# 722
Delta R.T. 0.035 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 59 Resp: 9705

Ion	Ratio	Lower	Upper
59	100		
41	28.6	14.3	26.5#
43	74.3	9.9	18.5#

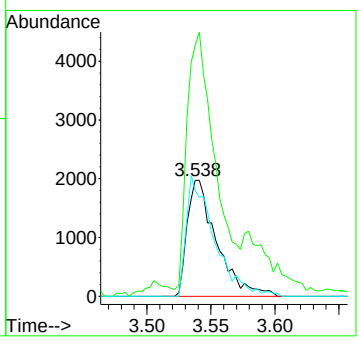


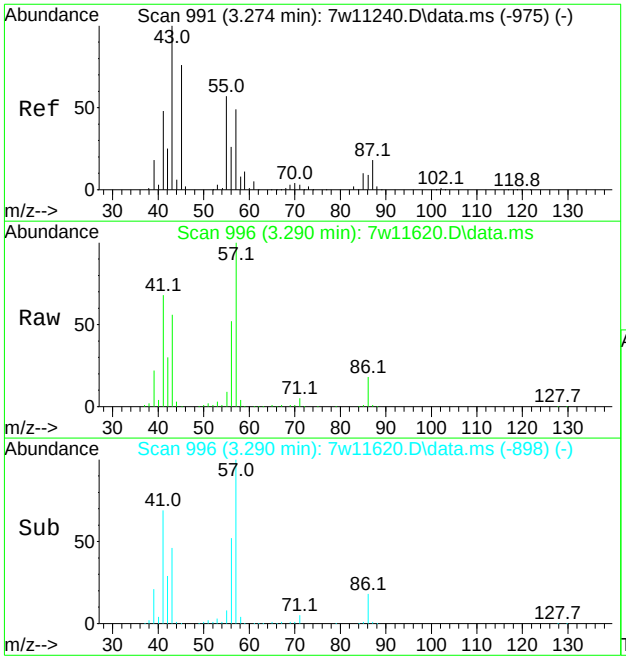


#37
TETRAHYDROFURAN
Concen: 0.5887 PPBV
RT: 3.538 min Scan# 1073
Delta R.T. 0.032 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 72 Resp: 3159

Ion	Ratio	Lower	Upper
72	100		
42	270.0	174.9	324.9
71	98.7	67.2	124.8

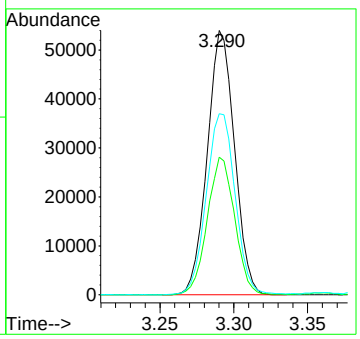


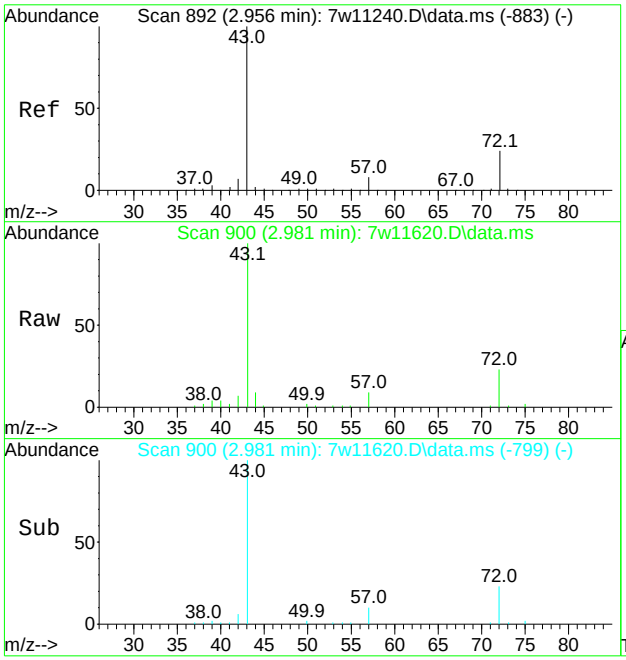


#38
HEXANE
Concen: 3.1211 PPBV
RT: 3.290 min Scan# 996
Delta R.T. 0.016 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 57 Resp: 68956

Ion	Ratio	Lower	Upper
57	100		
56	52.5	37.8	70.2
41	72.8	75.9	140.9#

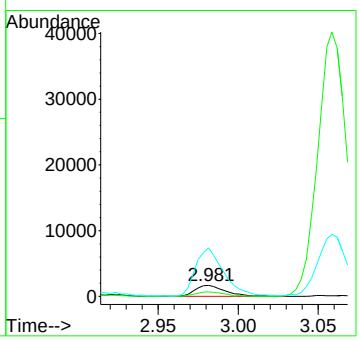


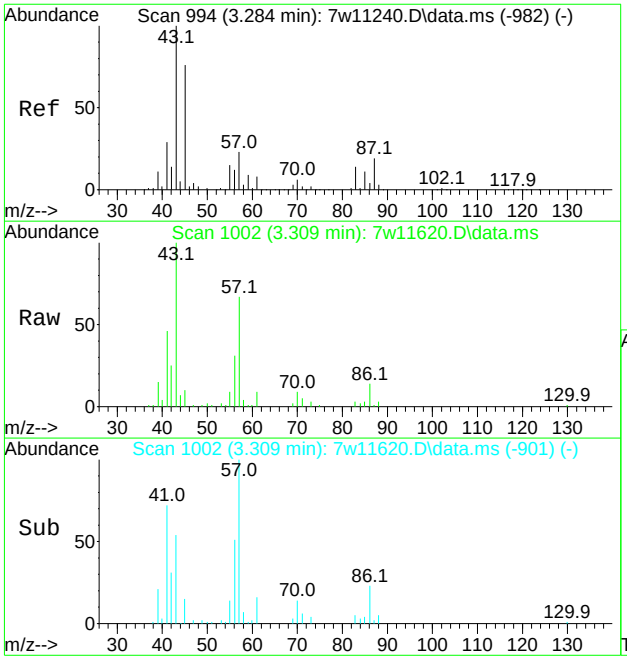


#41
METHYL ETHYL KETONE
Concen: 0.3653 PPBV
RT: 2.981 min Scan# 900
Delta R.T. 0.025 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 72 Resp: 2177

Ion	Ratio	Lower	Upper
72	100		
57	39.9	25.3	46.9
43	421.7	299.6	556.4

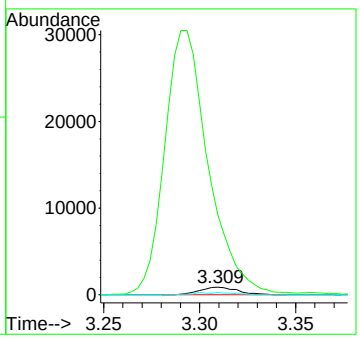


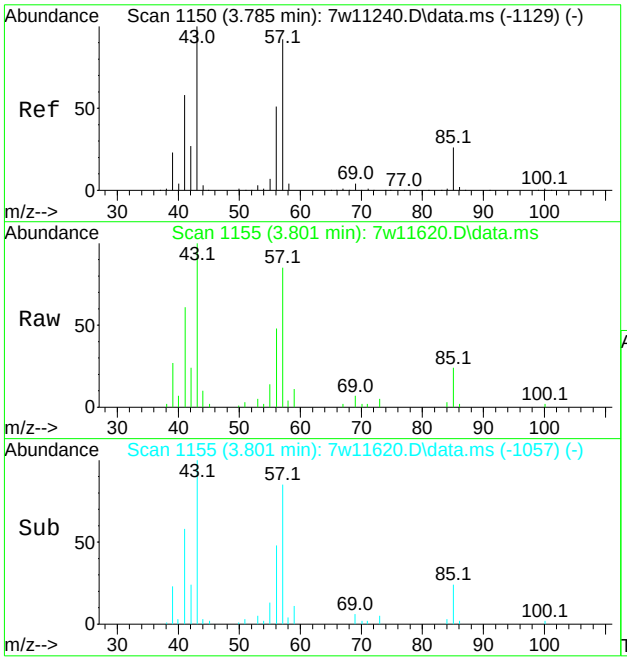


#44
ETHYL ACETATE
Concen: 0.2861 PPBV
RT: 3.309 min Scan# 1002
Delta R.T. 0.025 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 61 Resp: 1211

Ion	Ratio	Lower	Upper
61	100		
43	4031.7	1005.1	1866.5#
88	30.6	29.3	54.5

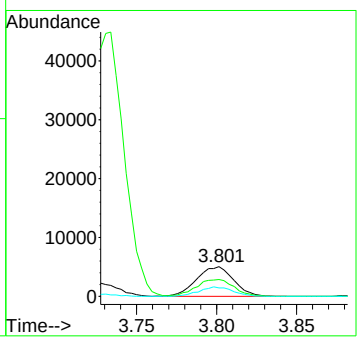


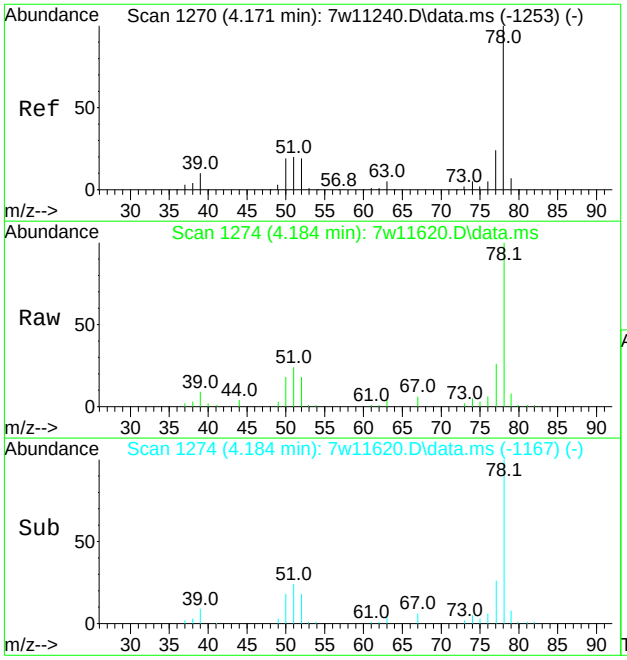


#47
2,4-DIMETHYLPENTANE
Concen: 0.3321 PPBV
RT: 3.801 min Scan# 1155
Delta R.T. 0.016 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 57 Resp: 8112

Ion	Ratio	Lower	Upper
57	100		
56	58.5	38.4	71.2
85	29.5	19.1	35.5

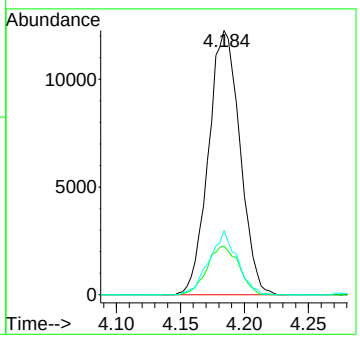


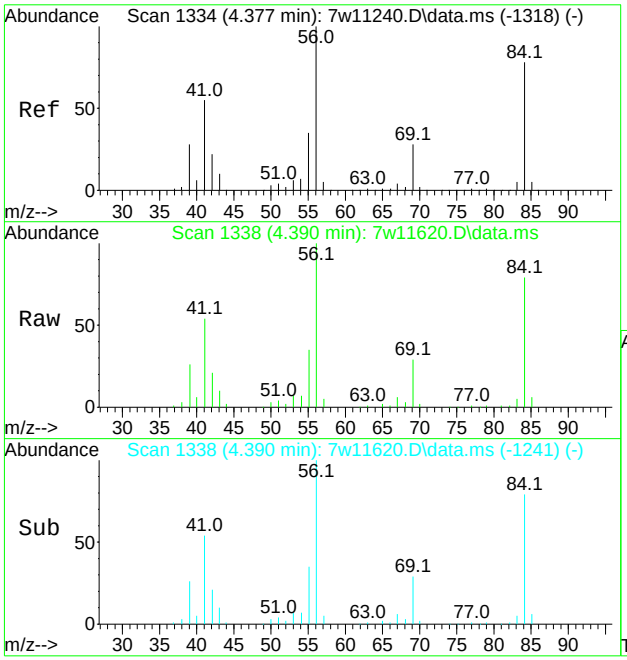


#51
BENZENE
Concen: 0.5850 PPBV
RT: 4.184 min Scan# 1274
Delta R.T. 0.013 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 78 Resp: 20958

Ion	Ratio	Lower	Upper
78	100		
52	18.6	0.0	48.9
51	21.6	0.0	50.2

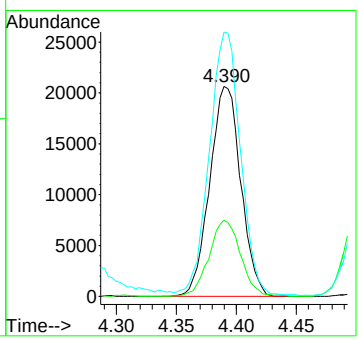


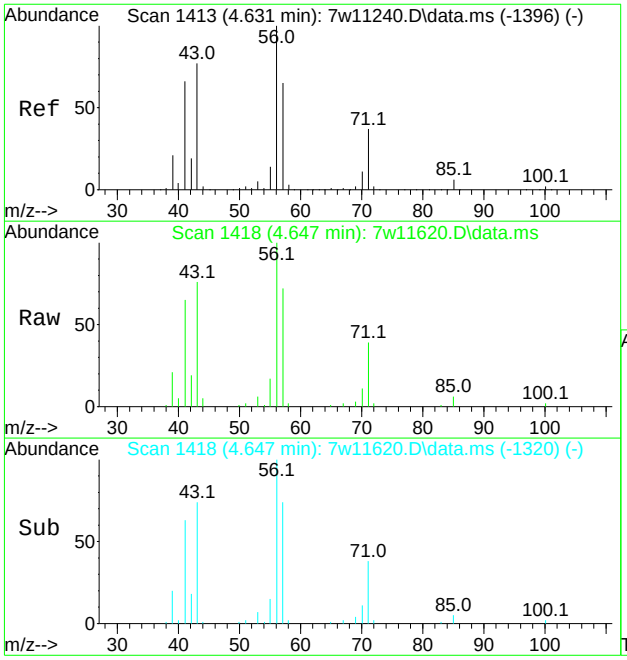


#53
CYCLOHEXANE
Concen: 2.3982 PPBV
RT: 4.390 min Scan# 1338
Delta R.T. 0.013 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 84 Resp: 37076

Ion	Ratio	Lower	Upper
84	100		
69	36.9	24.8	46.0
56	125.8	89.8	166.8

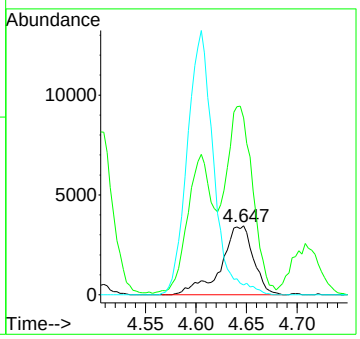


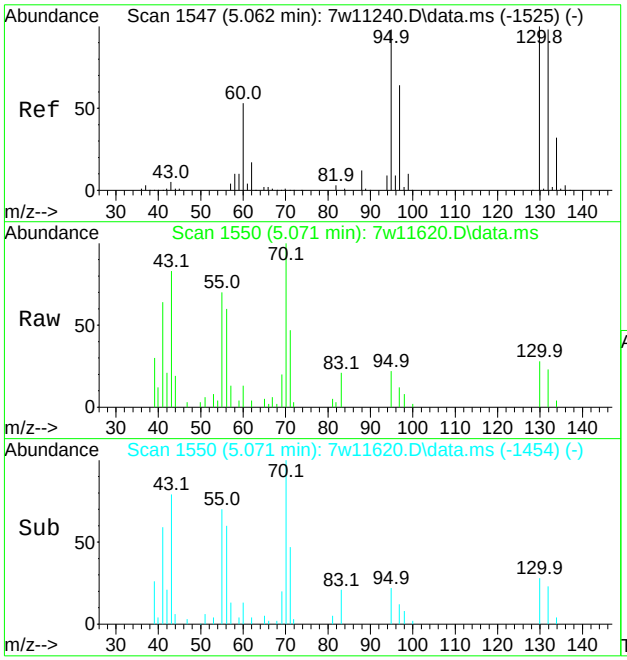


#54
2,3-DIMETHYLPENTANE
Concen: 0.9478 PPBV
RT: 4.647 min Scan# 1418
Delta R.T. 0.016 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 71 Resp: 7693

Ion	Ratio	Lower	Upper
71	100		
56	235.1	199.6	370.8
85	0.0	12.1	22.5#

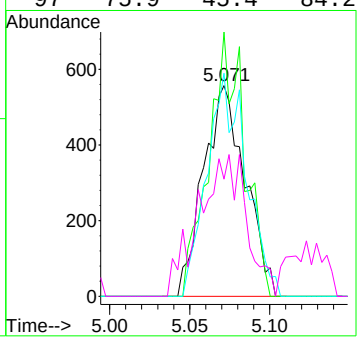


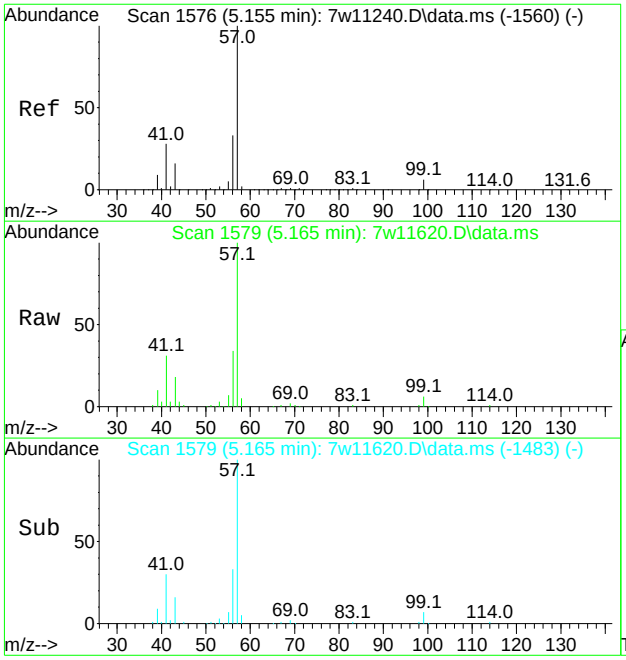


#55
TRICHLOROETHENE
Concen: 0.0608 PPBV
RT: 5.071 min Scan# 1550
Delta R.T. 0.009 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 95 Resp: 1012

Ion	Ratio	Lower	Upper
95	100		
130	107.6	72.8	135.2
132	99.5	71.9	133.5
97	75.9	45.4	84.2

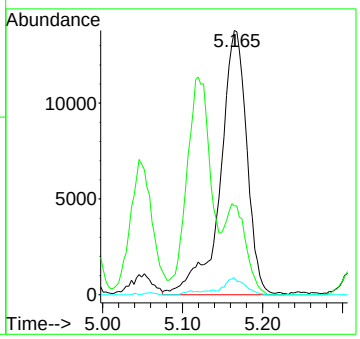


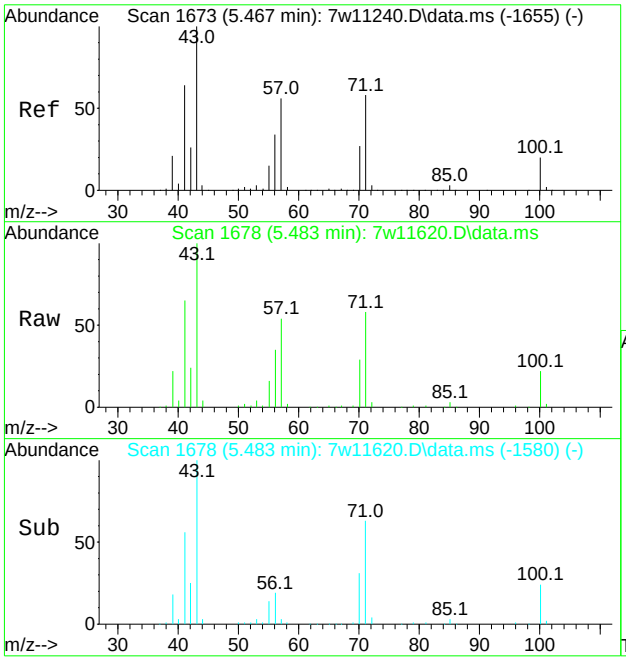


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.5080 PPBV
RT: 5.165 min Scan# 1579
Delta R.T. 0.010 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 57 Resp: 31963

Ion	Ratio	Lower	Upper
57	100		
56	28.6	22.7	42.1
99	6.4	3.9	7.3

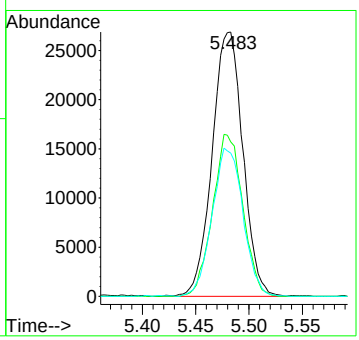


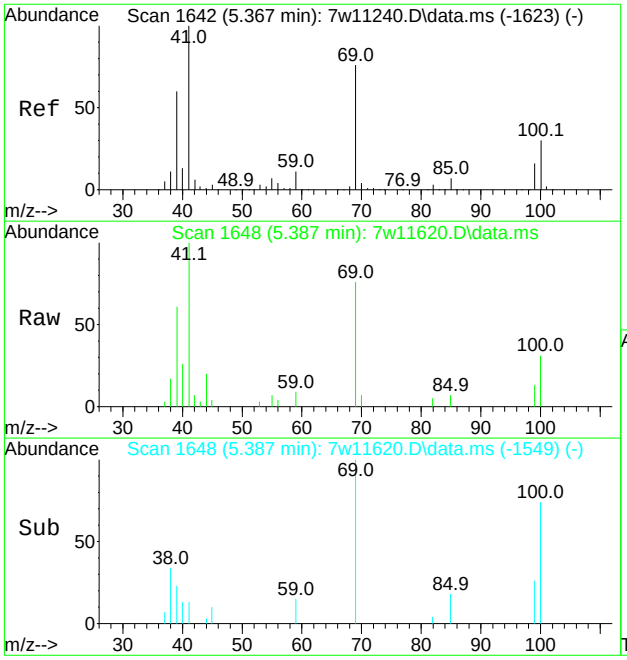


#62
HEPTANE
Concen: 2.4388 PPBV
RT: 5.483 min Scan# 1678
Delta R.T. 0.016 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 43 Resp: 53929

Ion	Ratio	Lower	Upper
43	100		
71	60.0	40.0	74.4
57	56.4	38.9	72.2

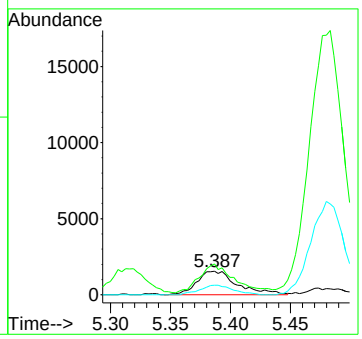


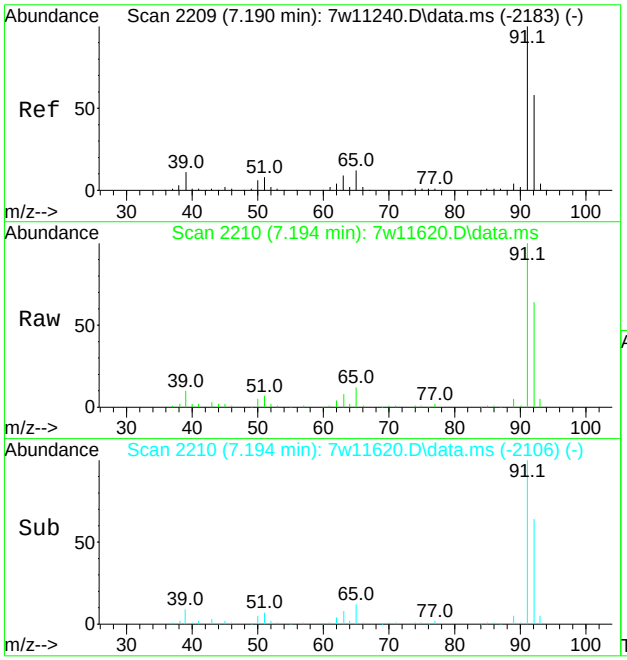


#63
METHYL METHACRYLATE
Concen: 0.2569 PPBV
RT: 5.387 min Scan# 1648
Delta R.T. 0.020 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 69 Resp: 3651

Ion	Ratio	Lower	Upper
69	100		
41	101.3	95.5	177.4
100	33.8	28.3	52.7

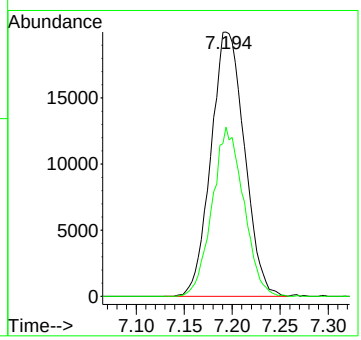


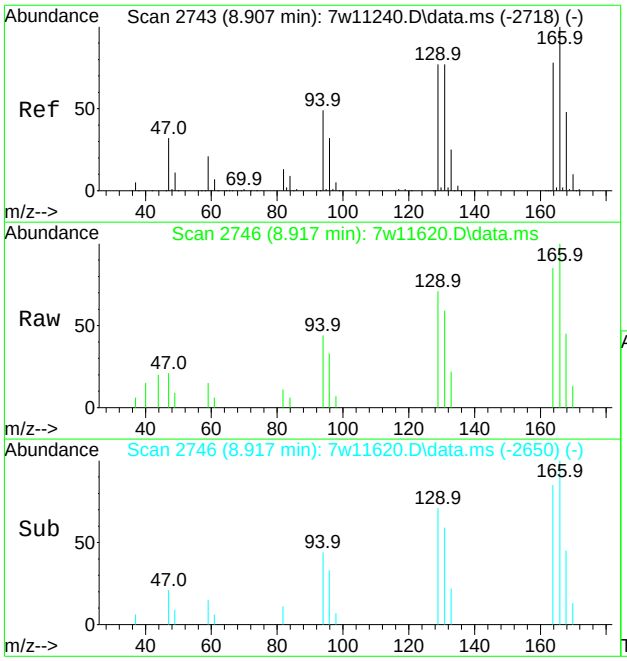


#66
TOLUENE
Concen: 1.0508 PPBV
RT: 7.194 min Scan# 2210
Delta R.T. 0.004 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 91 Resp: 48585

Ion	Ratio	Lower	Upper
91	100		
92	59.9	29.0	89.0

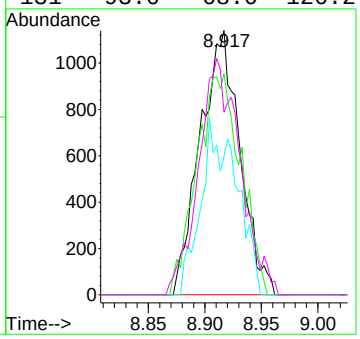


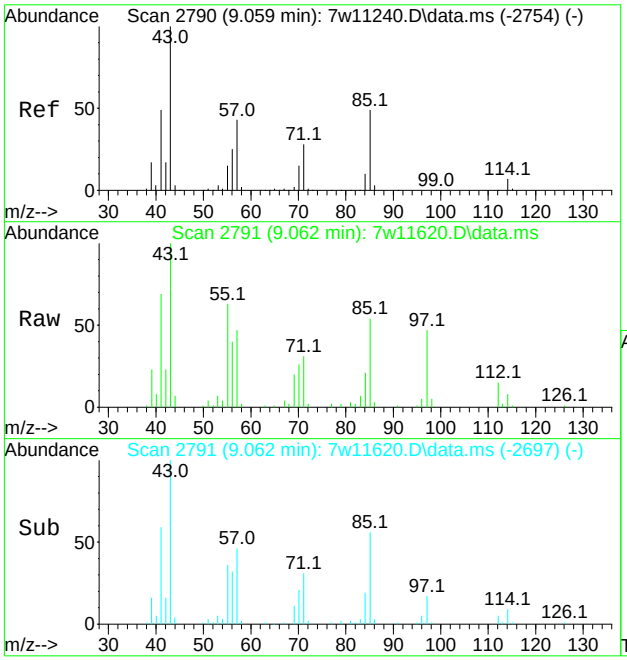


#72
TETRACHLOROETHENE
Concen: 0.1594 PPBV
RT: 8.917 min Scan# 2746
Delta R.T. 0.010 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion:164 Resp: 2792

Ion	Ratio	Lower	Upper
164	100		
129	92.6	68.9	127.9
168	60.1	42.3	78.5
131	93.0	68.0	126.2

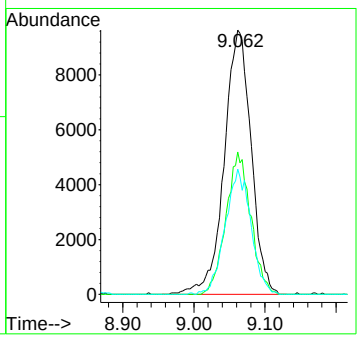


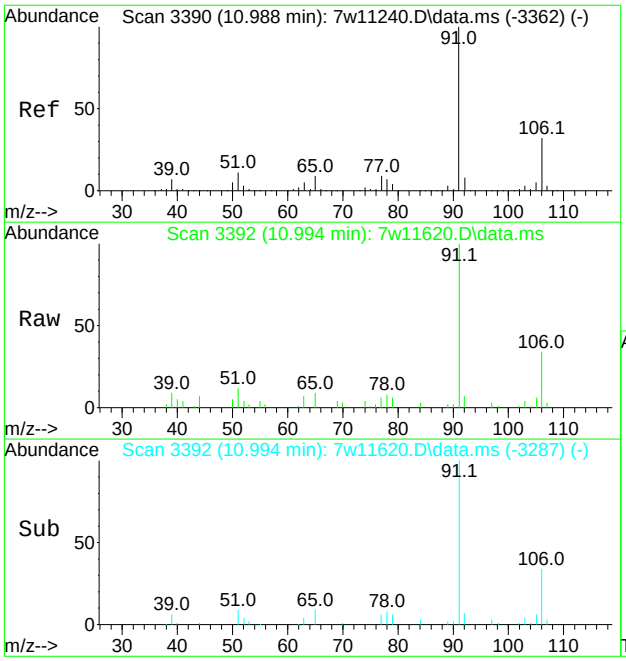


#75
OCTANE
Concen: 0.8095 PPBV
RT: 9.062 min Scan# 2791
Delta R.T. 0.003 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 43 Resp: 25364

Ion	Ratio	Lower	Upper
43	100		
85	49.4	33.9	63.0
57	45.2	30.0	55.8

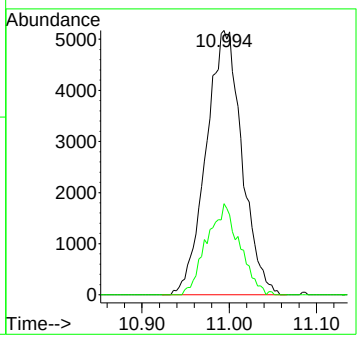


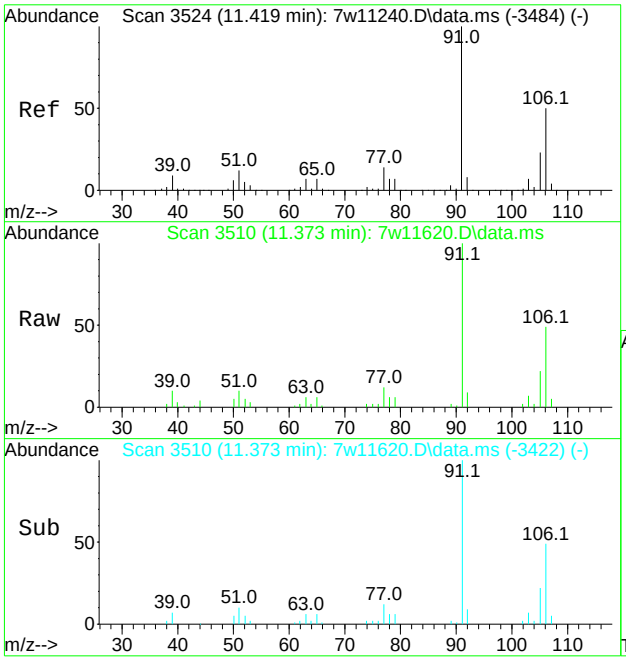


#79
ETHYLBENZENE
Concen: 0.2437 PPBV
RT: 10.994 min Scan# 3392
Delta R.T. 0.006 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 91 Resp: 14754

Ion	Ratio	Lower	Upper
91	100		
106	31.6	1.6	61.6

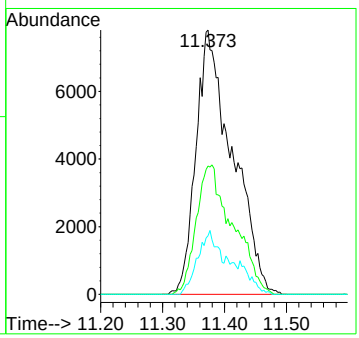


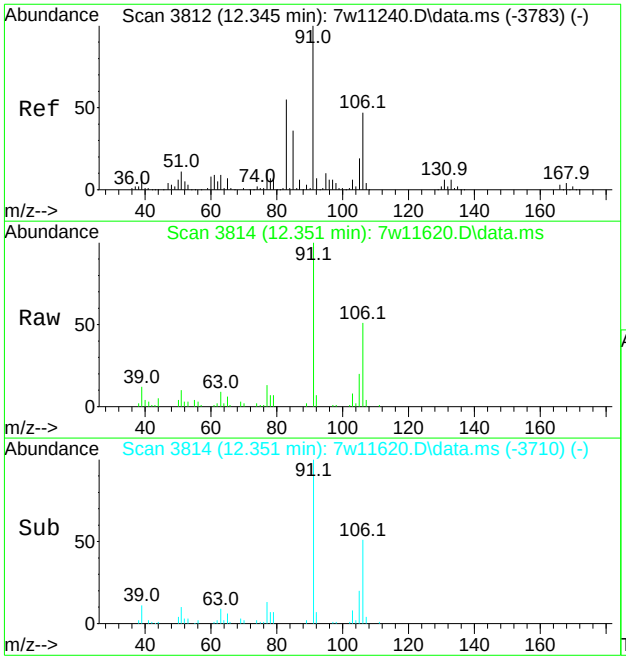


#80
M,P-XYLENE
Concen: 0.6709 PPBV
RT: 11.373 min Scan# 3510
Delta R.T. -0.046 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 91 Resp: 31836

Ion	Ratio	Lower	Upper
91	100		
106	49.4	0.0	55.5
105	21.9	0.0	41.7

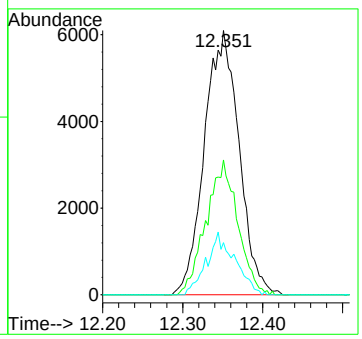


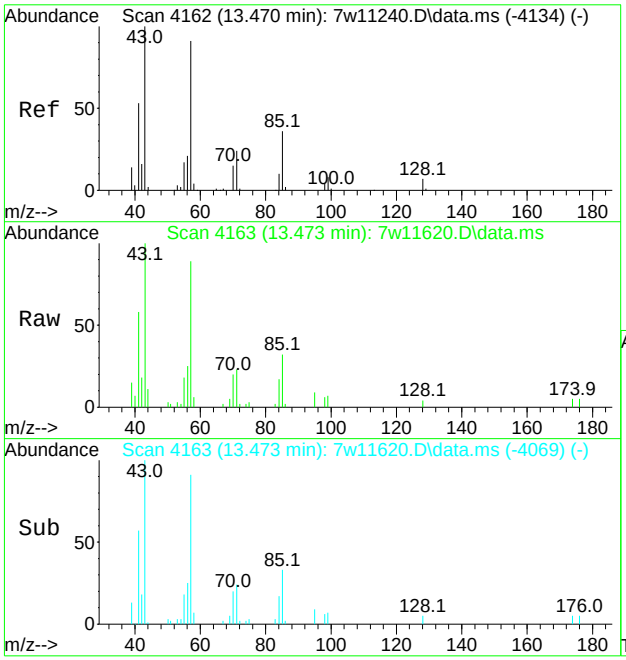


#81
O-XYLENE
Concen: 0.3840 PPBV
RT: 12.351 min Scan# 3814
Delta R.T. 0.006 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 91 Resp: 18302

Ion	Ratio	Lower	Upper
91	100		
106	51.0	32.7	60.7
105	19.8	13.2	24.6

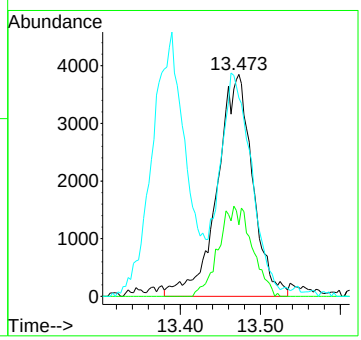


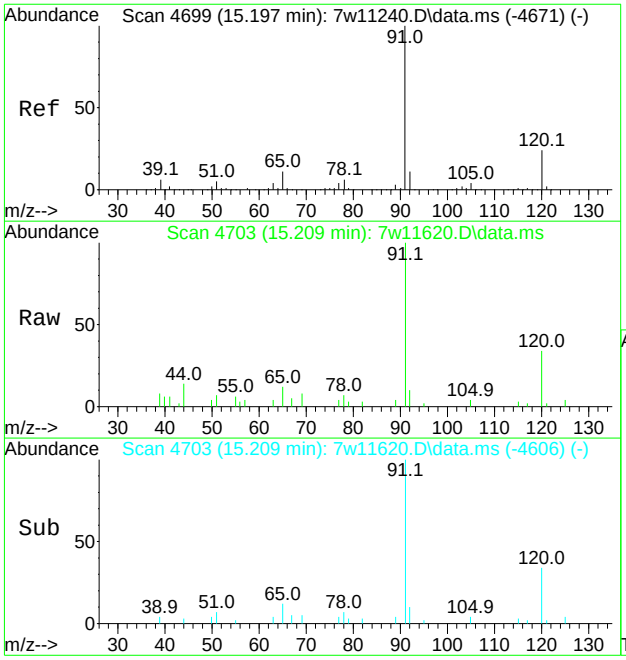


#83
NONANE
Concen: 0.3615 PPBV
RT: 13.473 min Scan# 4163
Delta R.T. 0.003 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion: 43 Resp: 11832

Ion	Ratio	Lower	Upper
43	100		
85	38.2	25.0	46.4
57	93.1	65.7	122.1

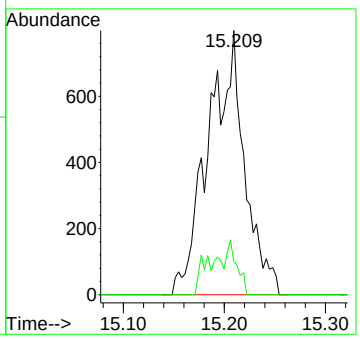


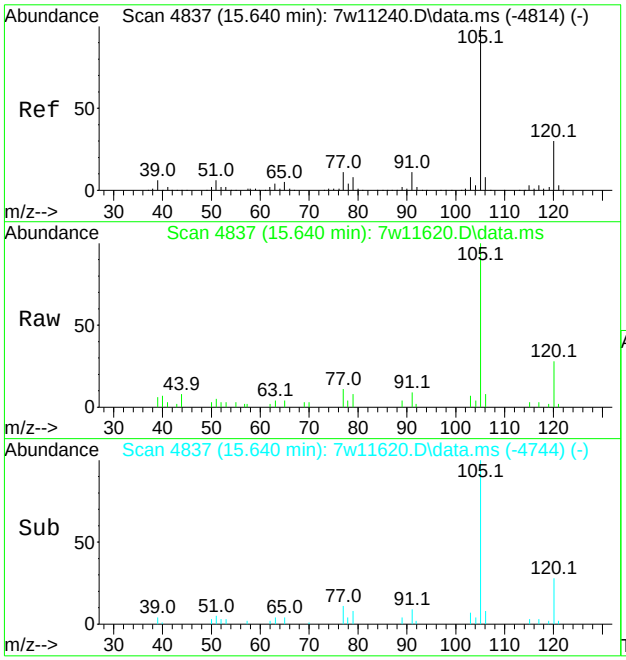


#91
N-PROPYLBENZENE
Concen: 0.1075 PPBV
RT: 15.209 min Scan# 4703
Delta R.T. 0.012 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion:120 Resp: 1983

Ion	Ratio	Lower	Upper
120	100		
105	8.8	11.3	20.9#

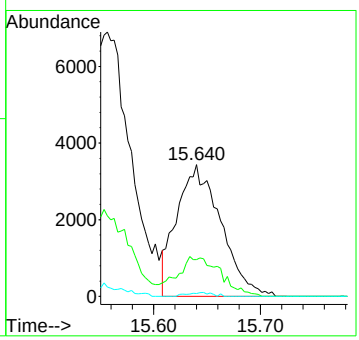


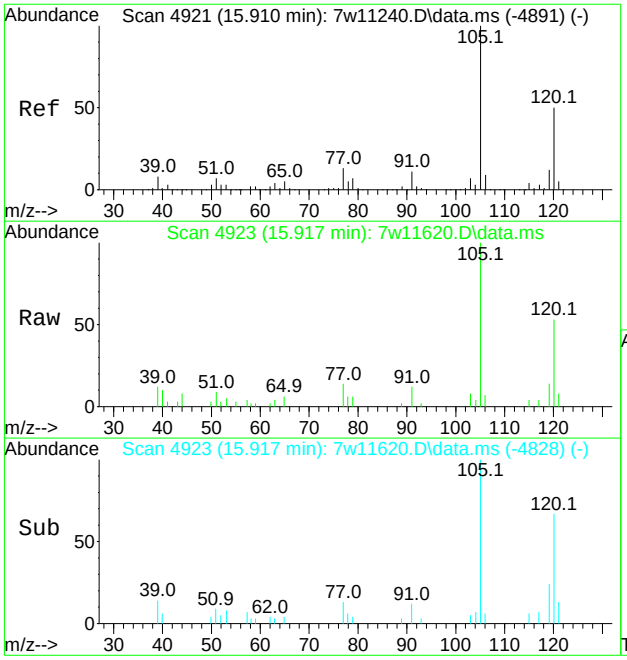


#92
4-ETHYLTOLUENE
Concen: 0.1486 PPBV
RT: 15.640 min Scan# 4837
Delta R.T. 0.000 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion:105 Resp: 9836

Ion	Ratio	Lower	Upper
105	100		
120	30.6	21.1	39.1
119	1.7	1.6	3.0

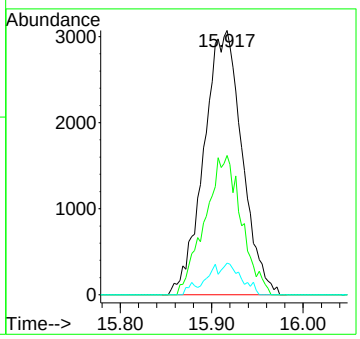


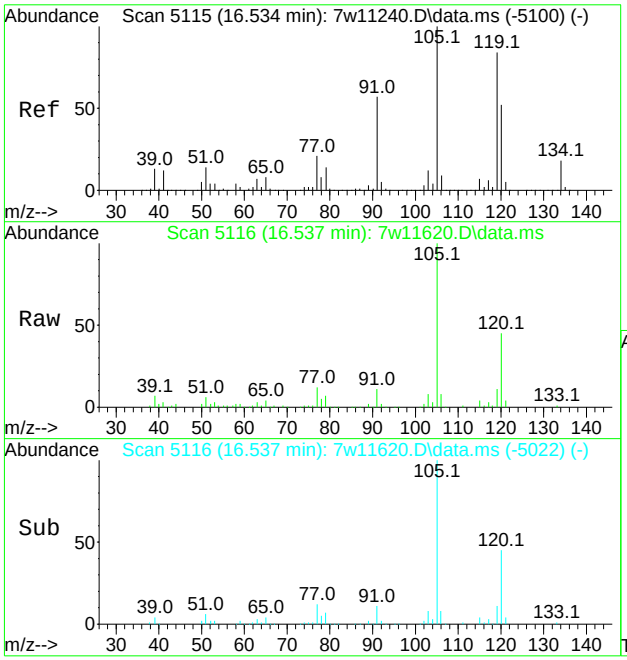


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.1604 PPBV
RT: 15.917 min Scan# 4923
Delta R.T. 0.007 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion:105 Resp: 8932

Ion	Ratio	Lower	Upper
105	100		
120	50.4	34.9	64.7
91	10.7	7.5	13.9

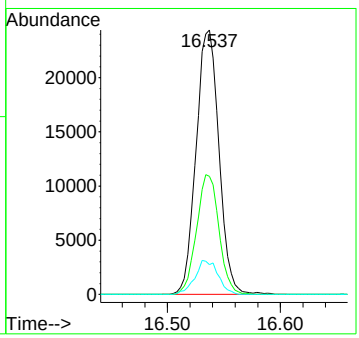


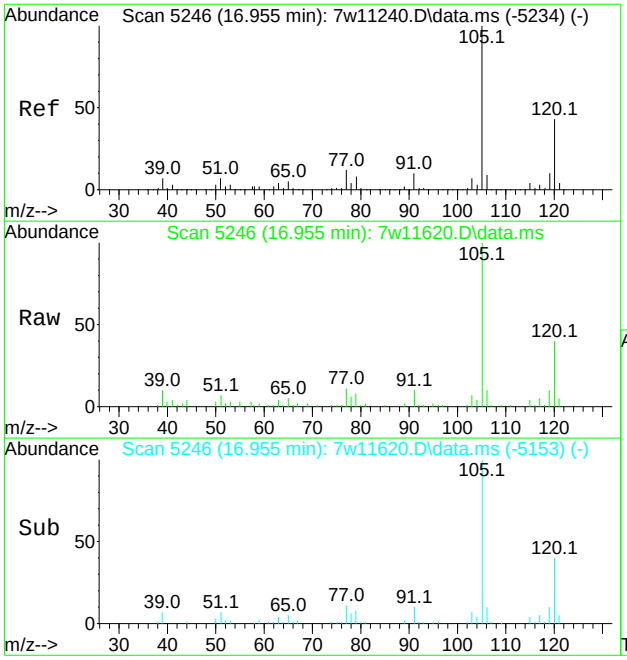


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.6103 PPBV
RT: 16.537 min Scan# 5116
Delta R.T. 0.003 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion:105 Resp: 34290

Ion	Ratio	Lower	Upper
105	100		
120	44.3	38.8	72.0
119	13.0	74.3	137.9#

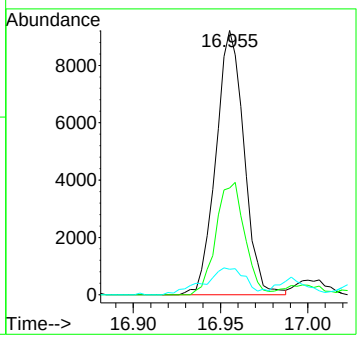




#102
1,2,3-TRIMETHYLBENZENE
Concen: 0.1835 PPBV
RT: 16.955 min Scan# 5246
Delta R.T. 0.000 min
Lab File: 7w11620.D
Acq: 9 Jan 2025 2:58 pm

Tgt Ion:105 Resp: 10328

Ion	Ratio	Lower	Upper
105	100		
120	43.5	30.2	56.2
91	15.1	7.1	13.3#



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11575.D
Acq On : 8 Jan 2025 12:11 am
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88386,v7w415,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 21:40:00 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

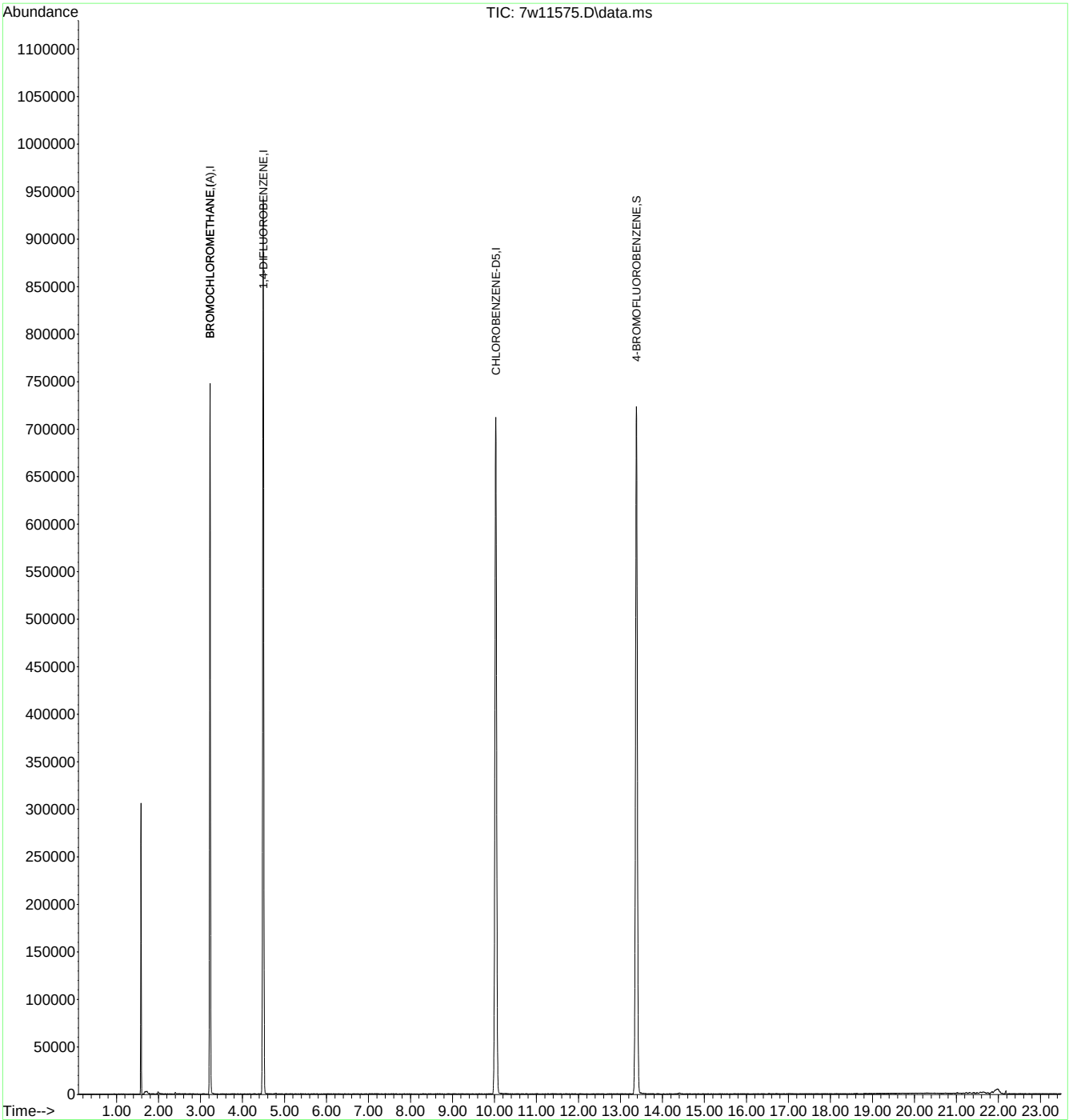
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	136449	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	666104	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.033	117	629238	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	136449	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.380	95	442137	9.68	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11575.D
Acq On : 8 Jan 2025 12:11 am
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88386,v7w415,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 21:40:00 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11601.D
Acq On : 9 Jan 2025 1:38 am
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88628,v7w416,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 09 18:19:25 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

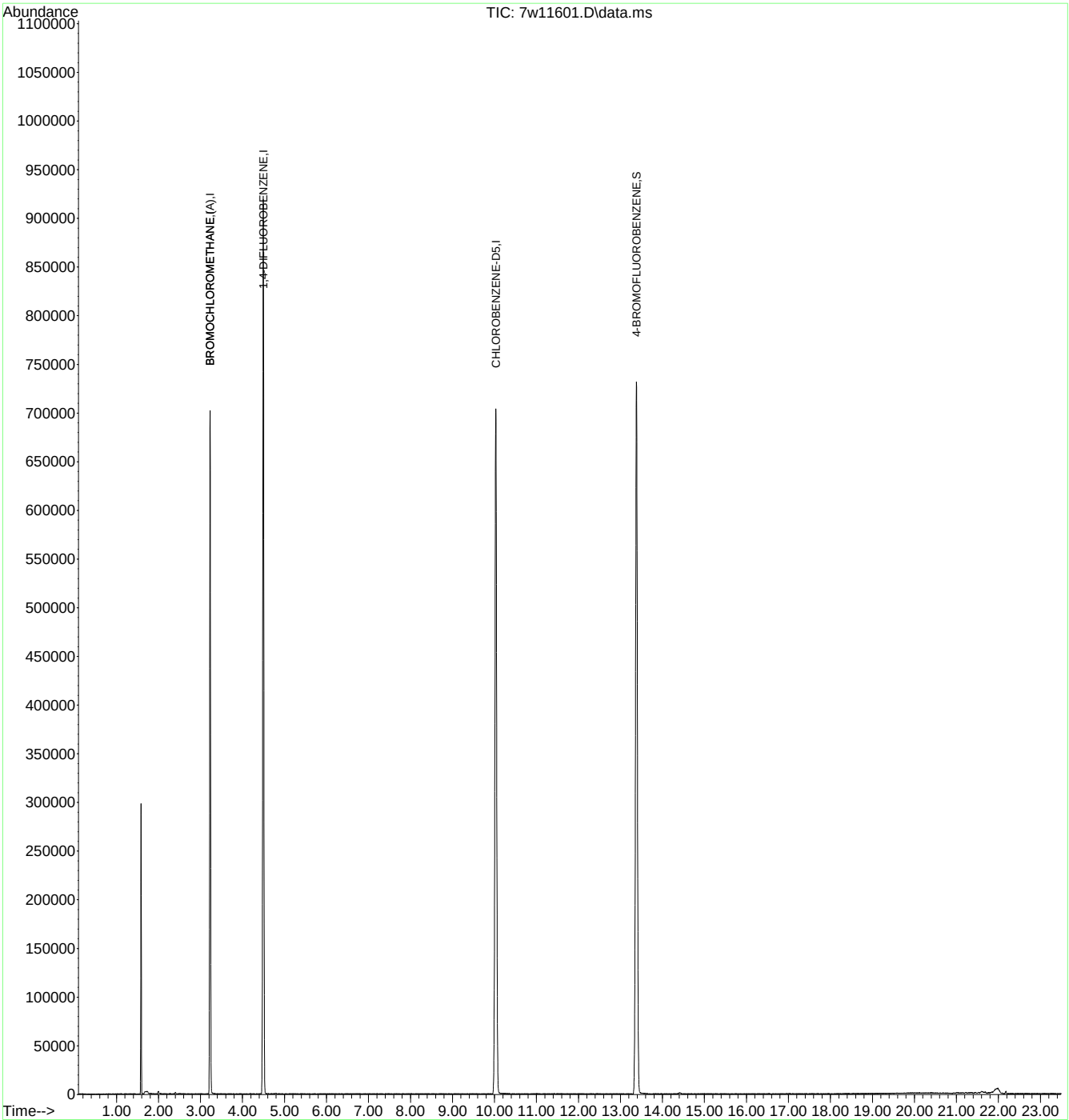
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	141435	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	688445	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	651257	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	141435	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.380	95	460929	9.75	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11601.D
Acq On : 9 Jan 2025 1:38 am
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88628,v7w416,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 09 18:19:25 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10273.D
Acq On : 5 Nov 2024 12:25 pm
Operator : thomash
Sample : mb
Misc : MS86415,v7w378,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 16:41:32 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

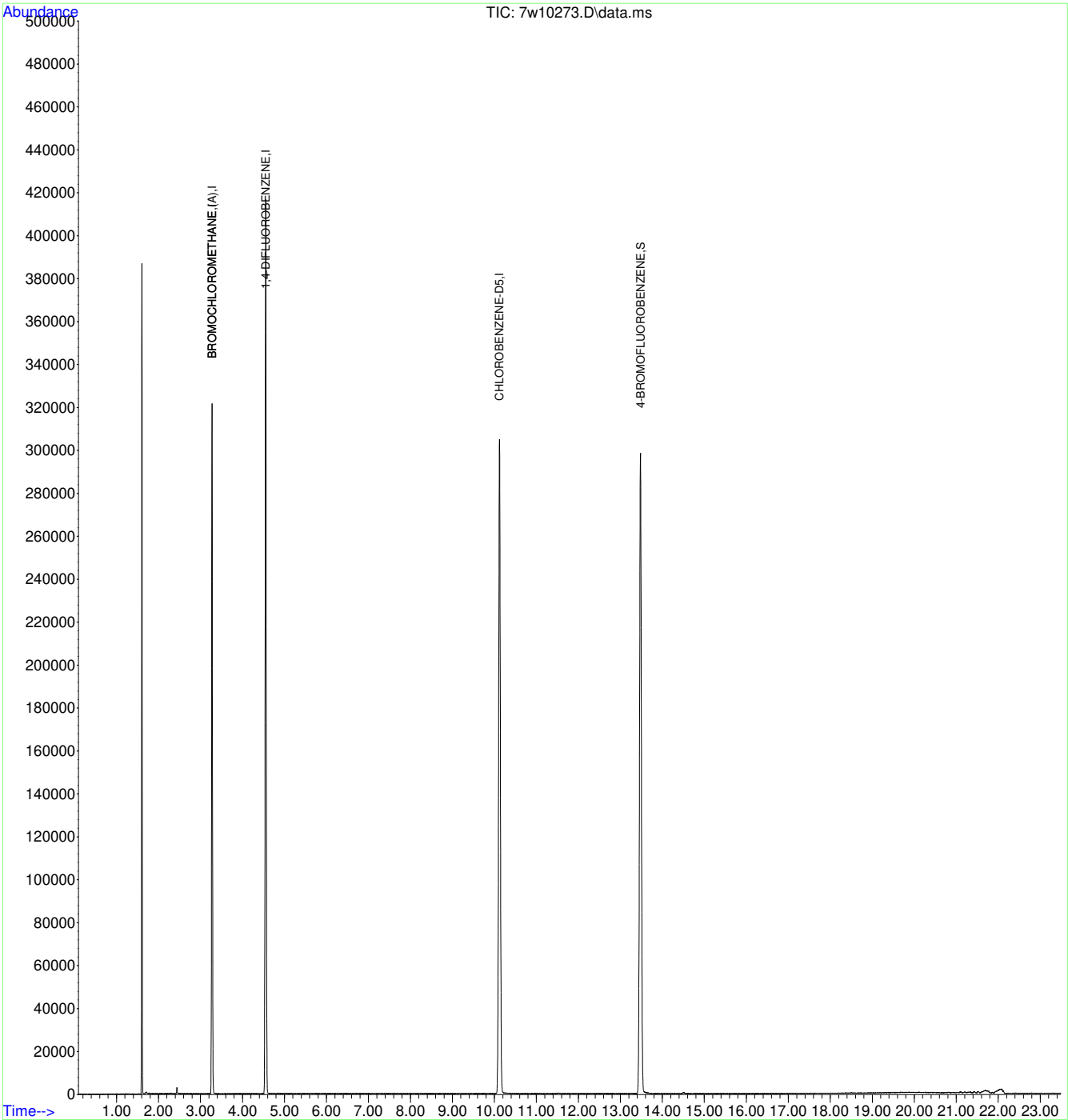
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	62071	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	315105	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.119	117	281770	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	62071	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	191284	9.25	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10273.D
Acq On : 5 Nov 2024 12:25 pm
Operator : thomash
Sample : mb
Misc : MS86415,v7w378,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 16:41:32 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

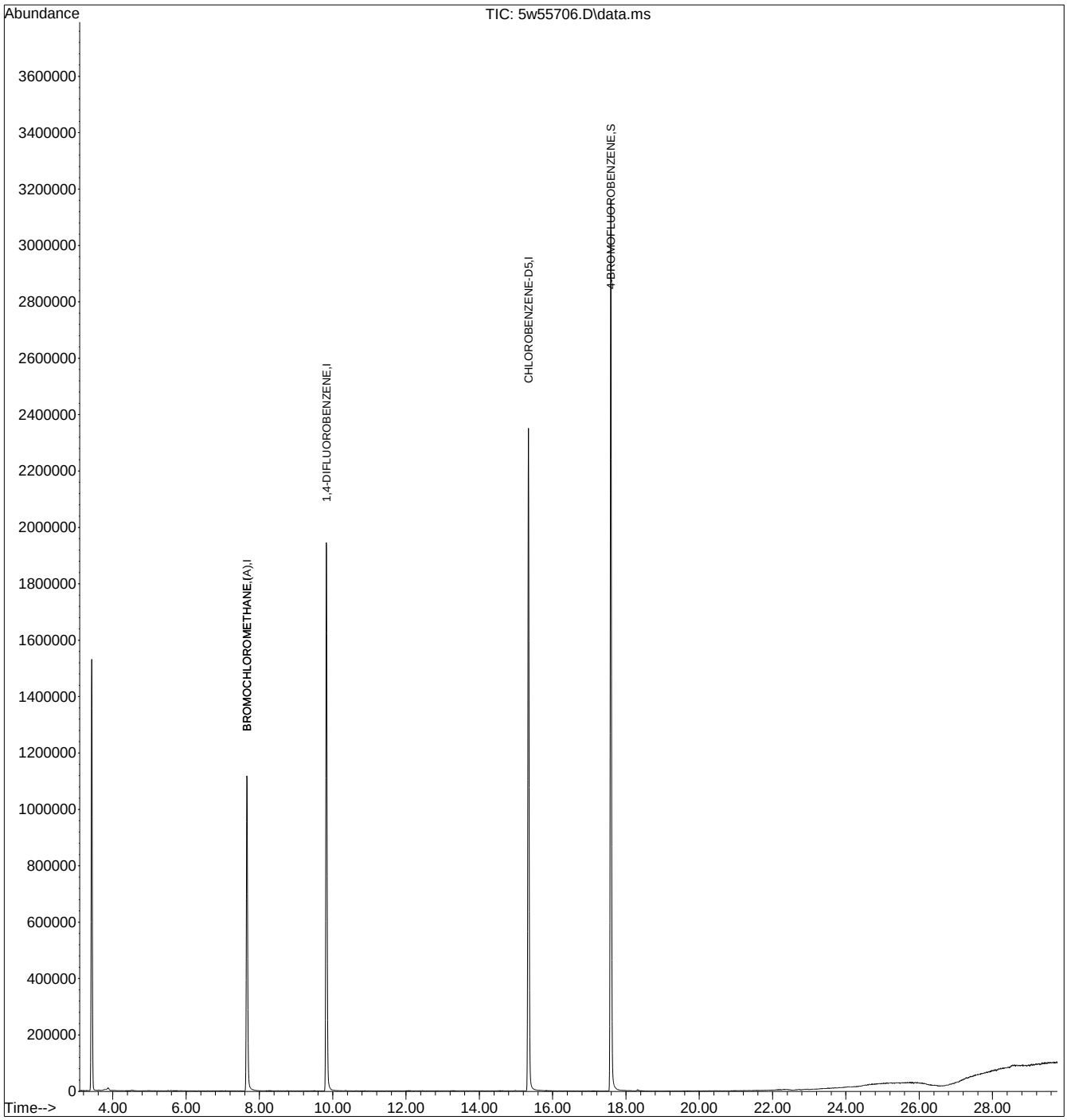
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	295908	10.00	PPBV	#-0.01
51) 1,4-DIFLUOROBENZENE	9.829	114	1754729	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	953484	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	295908	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1170287	10.97	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.70%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11572.D
Acq On : 7 Jan 2025 10:06 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:39 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	131961	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	637583	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	610713	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	131961	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	457583	10.33	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	71445	11.3691	PPBV	93
4) CHLORODIFLUOROMETHANE	1.637	67	37381	11.7175	PPBV	98
5) CHLOROTRIFLUOROETHENE	1.650	116	170172	11.0739	PPBV	94
6) DICHLORODIFLUOROMETHANE	1.666	85	382715	11.6319	PPBV	100
7) PROPYLENE	1.647	41	100317	11.5843	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	284271	11.6654	PPBV	99
9) FREON 114	1.737	85	323516	12.3959	PPBV	97
10) CHLOROMETHANE	1.708	52	41135	12.0432	PPBV	99
11) VINYL CHLORIDE	1.769	62	141334	12.8056	PPBV	100
12) 1,3-BUTADIENE	1.808	54	114861	12.2139	PPBV	98
13) N-BUTANE	1.824	43	217056	12.6826	PPBV	98
14) BROMOMETHANE	1.882	94	111295	11.2794	PPBV	99
15) CHLOROETHANE	1.930	64	72729	12.1766	PPBV	97
16) DICHLOROFLUOROMETHANE	1.956	67	287301	12.3477	PPBV	100
17) ACETONITRILE	2.023	41	126878	11.9627	PPBV	98
18) ACROLEIN	2.062	56	64575	11.5922	PPBV	98
19) FREON 123	2.075	83	289116	11.5145	PPBV	99
20) FREON 123A	2.094	117	180761	11.5628	PPBV	89
21) TRICHLOROFLUOROMETHANE	2.158	101	338151	11.6703	PPBV	100
22) ISOPROPYL ALCOHOL	2.174	45	294436	12.0441	PPBV	100
23) ACETONE	2.100	58	73257	9.5548	PPBV	96
24) PENTANE	2.271	42	156633	13.3388	PPBV	97
25) IODOMETHANE	2.332	142	308632	11.6224	PPBV	98
26) 1,1-DICHLOROETHYLENE	2.361	96	122570	10.7123	PPBV	94
27) CARBON DISULFIDE	2.496	76	350878	12.3141	PPBV	99
28) ETHANOL	1.962	45	82795	12.3719	PPBV	100
29) BROMOETHENE	2.033	106	116086	11.0431	PPBV	100
30) ACRYLONITRILE	2.242	52	105853	11.1548	PPBV	98
31) METHYLENE CHLORIDE	2.396	84	110337	10.5640	PPBV	92
32) 3-CHLOROPROPENE	2.438	76	61096	11.2440	PPBV	89
33) FREON 113	2.493	151	190020	10.9683	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.721	96	128227	10.7651	PPBV	96
35) TERTIARY BUTYL ALCOHOL	2.374	59	308422	10.9699	PPBV	96
36) METHYL TERTIARY BUTYL ...	2.827	73	377196	11.0739	PPBV	99
37) TETRAHYDROFURAN	3.509	72	61956	11.7379	PPBV	88
38) HEXANE	3.277	57	251087	11.5532	PPBV	98
39) VINYL ACETATE	2.862	86	33323	10.3364	PPBV	66
40) 1,1-DICHLOROETHANE	2.795	63	254738	11.9526	PPBV	99
41) METHYL ETHYL KETONE	2.959	72	67820	11.5679	PPBV	84
42) CIS-1,2-DICHLOROETHENE	3.152	96	136443	11.1212	PPBV	93
43) DIISOPROPYL ETHER	3.283	59	72593	12.0611	PPBV	91
44) ETHYL ACETATE	3.287	61	49269	11.8321	PPBV	74
45) METHYL ACRYLATE	3.274	55	302604	12.3933	PPBV #	100
46) CHLOROFORM	3.300	83	282580	11.7157	PPBV	99
47) 2,4-DIMETHYLPENTANE	3.785	57	289392	12.0435	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.865	97	296091	11.4475	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	297842	11.6108	PPBV	100
50) 1,2-DICHLOROETHANE	3.701	62	228217	12.6377	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11572.D
Acq On : 7 Jan 2025 10:06 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:39 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	401596	11.3950	PPBV	96
53)	CYCLOHEXANE	4.380	84	175370	11.6419	PPBV	90
54)	2,3-DIMETHYLPENTANE	4.634	71	94036	11.8899	PPBV	90
55)	TRICHLOROETHENE	5.062	95	187428	11.5646	PPBV	98
56)	1,2-DICHLOROPROPANE	4.830	63	164620	11.9060	PPBV	100
57)	DIBROMOMETHANE	4.791	174	166506	10.9338	PPBV	99
58)	ETHYL ACRYLATE	4.949	55	370723	12.6187	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	307322	11.9022	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	788752	12.8651	PPBV	100
61)	1,4-DIOXANE	5.078	88	97795	10.8217	PPBV	94
62)	HEPTANE	5.470	43	292331	13.5676	PPBV	94
63)	METHYL METHACRYLATE	5.367	69	156226	11.2818	PPBV	89
64)	METHYL ISOBUTYL KETONE	6.097	58	152534	11.8582	PPBV	94
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	253660	11.7146	PPBV	96
66)	TOLUENE	7.190	91	505554	11.2217	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	253789	12.0619	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	222980	10.9541	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.820	83	145366	11.7385	PPBV	100
70)	2-HEXANONE	7.756	58	209522	10.4311	PPBV	96
71)	ETHYL METHACRYLATE	7.891	69	261980	10.8820	PPBV	93
72)	TETRACHLOROETHENE	8.907	164	207814	12.1745	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.721	129	300254	11.5402	PPBV	99
74)	1,2-DIBROMOETHANE	8.058	107	279806	12.3425	PPBV	100
75)	OCTANE	9.058	43	406050	13.3011	PPBV	93
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	219172	11.2287	PPBV	99
78)	CHLOROBENZENE	10.110	112	414036	11.6506	PPBV	98
79)	ETHYLBENZENE	10.987	91	680278	11.3094	PPBV	99
80)	M,P-XYLENE	11.415	91	1079918	22.9024	PPBV	97
81)	O-XYLENE	12.351	91	552557	11.6678	PPBV	99
82)	STYRENE	12.132	104	416389	12.2767	PPBV	99
83)	NONANE	13.466	43	431569	13.2672	PPBV	95
84)	BROMOFORM	11.229	173	267171	11.4115	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	389686	12.3644	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.640	75	309585	12.3125	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	207419	11.4646	PPBV	97
89)	BROMOBENZENE	13.724	77	386767	11.4679	PPBV	96
90)	2-CHLOROTOLUENE	14.855	126	184643	11.2191	PPBV	100
91)	N-PROPYLBENZENE	15.199	120	216808	11.8233	PPBV	100
92)	4-ETHYLTOLUENE	15.637	105	797269	12.1218	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	674884	12.1928	PPBV	98
94)	ALPHA-METHYLSTYRENE	16.212	118	335091	11.8539	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	159458	12.0367	PPBV	95
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	700938	12.5544	PPBV	98
97)	BENZYL CHLORIDE	16.627	91	479700	9.7029	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	450705	11.8351	PPBV	100
99)	P-DICHLOROBENZENE	16.691	146	454425	12.2605	PPBV	100
100)	O-DICHLOROBENZENE	17.006	146	429585	11.9465	PPBV	100
101)	SEC-BUTYLBENZENE	16.836	134	201418	12.2007	PPBV	94
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	674893	12.0677	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.029	134	220253	12.0353	PPBV	96
104)	N-BUTYLBENZENE	17.392	134	219152	12.2566	PPBV	93
105)	HEXACHLOROETHANE	17.572	117	226749	10.6448	PPBV	98
106)	HEXACHLOROBUTADIENE	18.627	225	365620	13.6683	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.318	180	408930	13.3042	PPBV	100
108)	NAPHTHALENE	18.363	128	876988	12.8553	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	720459	12.8581	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11572.D
Acq On : 7 Jan 2025 10:06 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:39 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

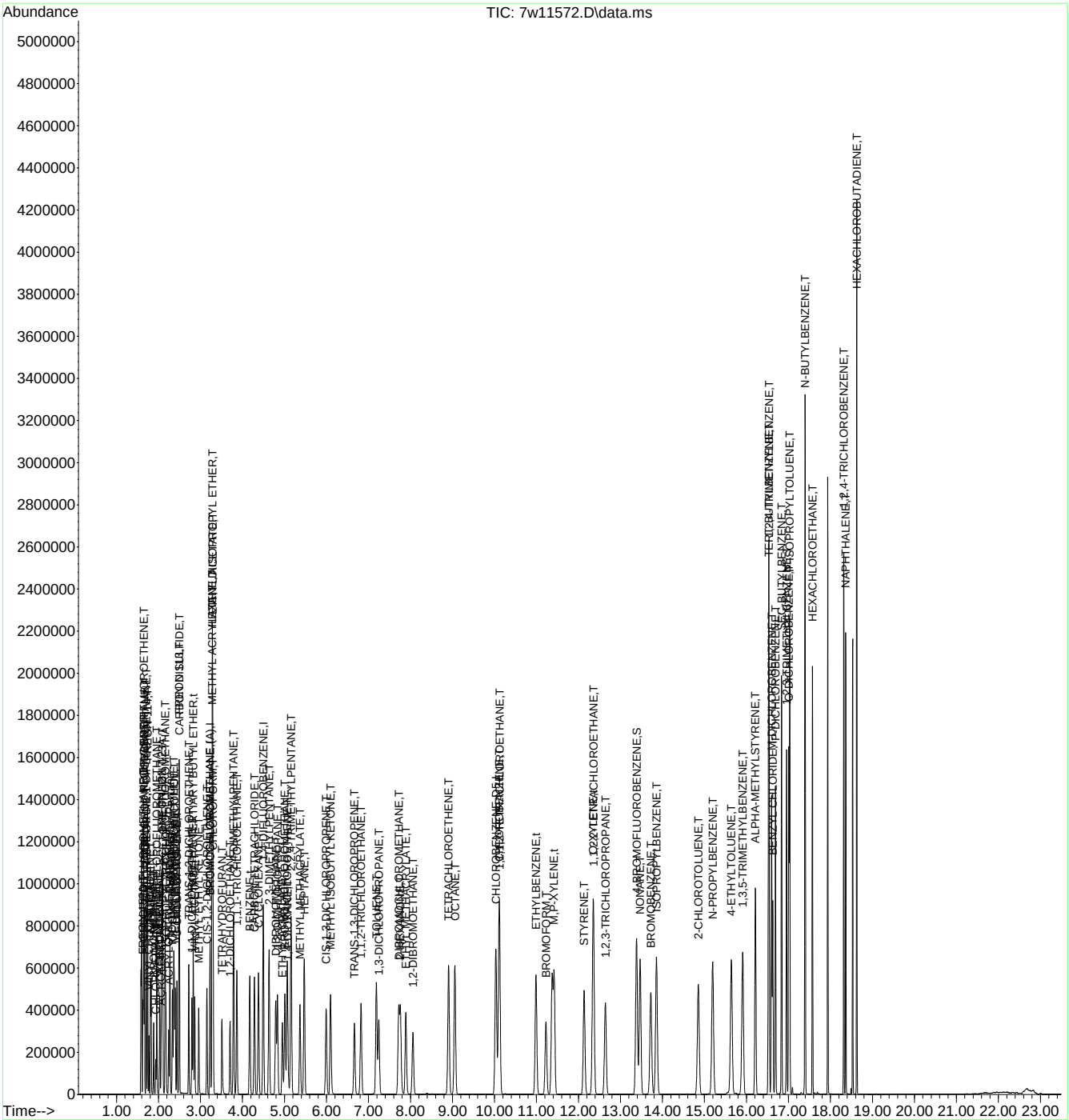
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11572.D
Acq On : 7 Jan 2025 10:06 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:39 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11573.D
Acq On : 7 Jan 2025 10:43 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	132457	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	646743	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.033	117	617945	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	132457	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	461330	10.29	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.625	65	74275	11.7752	PPBV	95
4) CHLORODIFLUOROMETHANE	1.638	67	37827	11.8129	PPBV	99
5) CHLOROTRIFLUOROETHENE	1.647	116	173143	11.2250	PPBV	94
6) DICHLORODIFLUOROMETHANE	1.663	85	388776	11.7719	PPBV	100
7) PROPYLENE	1.647	41	102689	11.8138	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	284984	11.6508	PPBV	99
9) FREON 114	1.737	85	328452	12.5379	PPBV	97
10) CHLOROMETHANE	1.708	52	41254	12.0328	PPBV	99
11) VINYL CHLORIDE	1.769	62	141100	12.7365	PPBV	100
12) 1,3-BUTADIENE	1.808	54	116163	12.3061	PPBV	97
13) N-BUTANE	1.824	43	219128	12.7557	PPBV	98
14) BROMOMETHANE	1.882	94	112403	11.3491	PPBV	99
15) CHLOROETHANE	1.930	64	73424	12.2470	PPBV	98
16) DICHLOROFLUOROMETHANE	1.956	67	290844	12.4531	PPBV	99
17) ACETONITRILE	2.023	41	127105	11.9392	PPBV	98
18) ACROLEIN	2.062	56	64630	11.5586	PPBV	99
19) FREON 123	2.075	83	294674	11.6919	PPBV	99
20) FREON 123A	2.091	117	181619	11.5742	PPBV	89
21) TRICHLOROFLUOROMETHANE	2.155	101	339531	11.6740	PPBV	100
22) ISOPROPYL ALCOHOL	2.175	45	295259	12.0325	PPBV	100
23) ACETONE	2.101	58	73088	9.4970	PPBV	97
24) PENTANE	2.271	42	157000	13.3200	PPBV	97
25) IODOMETHANE	2.332	142	314588	11.8024	PPBV	99
26) 1,1-DICHLOROETHYLENE	2.358	96	123338	10.7391	PPBV	93
27) CARBON DISULFIDE	2.493	76	350964	12.2710	PPBV	99
28) ETHANOL	1.959	45	81959	12.2011	PPBV	99
29) BROMOETHENE	2.030	106	117949	11.1783	PPBV	99
30) ACRYLONITRILE	2.239	52	105916	11.1197	PPBV	97
31) METHYLENE CHLORIDE	2.396	84	111379	10.6238	PPBV	89
32) 3-CHLOROPROPENE	2.438	76	61602	11.2947	PPBV	89
33) FREON 113	2.493	151	193852	11.1476	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.718	96	129710	10.8489	PPBV	96
35) TERTIARY BUTYL ALCOHOL	2.374	59	314253	11.1355	PPBV	97
36) METHYL TERTIARY BUTYL ...	2.824	73	387345	11.3293	PPBV	99
37) TETRAHYDROFURAN	3.506	72	63595	12.0033	PPBV	89
38) HEXANE	3.277	57	255018	11.6901	PPBV	98
39) VINYL ACETATE	2.859	86	34408	10.6330	PPBV #	71
40) 1,1-DICHLOROETHANE	2.792	63	257827	12.0522	PPBV	99
41) METHYL ETHYL KETONE	2.956	72	67520	11.4736	PPBV	82
42) CIS-1,2-DICHLOROETHENE	3.152	96	139480	11.3262	PPBV	94
43) DIISOPROPYL ETHER	3.281	59	73477	12.1623	PPBV	91
44) ETHYL ACETATE	3.287	61	50489	12.0797	PPBV	78
45) METHYL ACRYLATE	3.271	55	306081	12.4888	PPBV #	100
46) CHLOROFORM	3.297	83	288130	11.9011	PPBV	99
47) 2,4-DIMETHYLPENTANE	3.785	57	294425	12.2071	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.863	97	301463	11.6115	PPBV	98
49) CARBON TETRACHLORIDE	4.281	117	306448	11.9015	PPBV	100
50) 1,2-DICHLOROETHANE	3.702	62	232035	12.8010	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11573.D
Acq On : 7 Jan 2025 10:43 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	409001	11.5616	PPBV	96
53)	CYCLOHEXANE	4.377	84	179890	11.7728	PPBV	91
54)	2,3-DIMETHYLPENTANE	4.631	71	94668	11.8003	PPBV	89
55)	TRICHLOROETHENE	5.062	95	191119	11.6253	PPBV	98
56)	1,2-DICHLOROPROPANE	4.830	63	168403	12.0071	PPBV	99
57)	DIBROMOMETHANE	4.789	174	169838	10.9946	PPBV	99
58)	ETHYL ACRYLATE	4.946	55	378319	12.6949	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	315873	12.0601	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	797511	12.8238	PPBV	99
61)	1,4-DIOXANE	5.075	88	98448	10.7397	PPBV	93
62)	HEPTANE	5.470	43	297480	13.6110	PPBV	94
63)	METHYL METHACRYLATE	5.367	69	158667	11.2958	PPBV	89
64)	METHYL ISOBUTYL KETONE	6.094	58	155060	11.8839	PPBV	95
65)	CIS-1,3-DICHLOROPROPENE	5.988	75	261911	11.9244	PPBV	97
66)	TOLUENE	7.187	91	515579	11.2821	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	259493	12.1583	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	230928	11.1839	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.821	83	147858	11.7706	PPBV	99
70)	2-HEXANONE	7.756	58	213569	10.4820	PPBV	95
71)	ETHYL METHACRYLATE	7.888	69	267981	10.9736	PPBV	93
72)	TETRACHLOROETHENE	8.907	164	212074	12.2481	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.721	129	309031	11.7094	PPBV	100
74)	1,2-DIBROMOETHANE	8.059	107	285313	12.4071	PPBV	100
75)	OCTANE	9.055	43	413892	13.3659	PPBV	94
77)	1,1,1,2-TETRACHLOROETHANE	10.120	131	224753	11.3799	PPBV	99
78)	CHLOROBENZENE	10.107	112	422802	11.7580	PPBV	98
79)	ETHYLBENZENE	10.988	91	699204	11.4880	PPBV	99
80)	M,P-XYLENE	11.415	91	1101362	23.0838	PPBV	97
81)	O-XYLENE	12.345	91	562481	11.7384	PPBV	99
82)	STYRENE	12.136	104	425038	12.3850	PPBV	99
83)	NONANE	13.467	43	439352	13.3484	PPBV	95
84)	BROMOFORM	11.222	173	275665	11.6365	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	394867	12.3822	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.640	75	314533	12.3629	PPBV	100
88)	ISOPROPYLBENZENE	13.856	120	211538	11.5554	PPBV	97
89)	BROMOBENZENE	13.721	77	395527	11.5903	PPBV	97
90)	2-CHLOROTOLUENE	14.856	126	189645	11.3882	PPBV	99
91)	N-PROPYLBENZENE	15.193	120	221945	11.9617	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	813800	12.2283	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	687838	12.2814	PPBV	98
94)	ALPHA-METHYLSTYRENE	16.216	118	340899	11.9183	PPBV	99
95)	TERT-BUTYLBENZENE	16.528	134	162988	12.1592	PPBV	95
96)	1,2,4-TRIMETHYLBENZENE	16.534	105	712660	12.6150	PPBV	98
97)	BENZYL CHLORIDE	16.627	91	494420	9.8836	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	458695	11.9040	PPBV	100
99)	P-DICHLOROBENZENE	16.692	146	468969	12.5048	PPBV	100
100)	O-DICHLOROBENZENE	17.007	146	438870	12.0618	PPBV	100
101)	SEC-BUTYLBENZENE	16.836	134	203084	12.1576	PPBV	93
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	685319	12.1107	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.029	134	222602	12.0213	PPBV	96
104)	N-BUTYLBENZENE	17.393	134	220533	12.1895	PPBV	92
105)	HEXACHLOROETHANE	17.569	117	232844	10.8030	PPBV	98
106)	HEXACHLOROBUTADIENE	18.627	225	358176	13.2334	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.315	180	415431	13.3575	PPBV	99
108)	NAPHTHALENE	18.364	128	888202	12.8674	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	754282	13.4113	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11573.D
Acq On : 7 Jan 2025 10:43 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

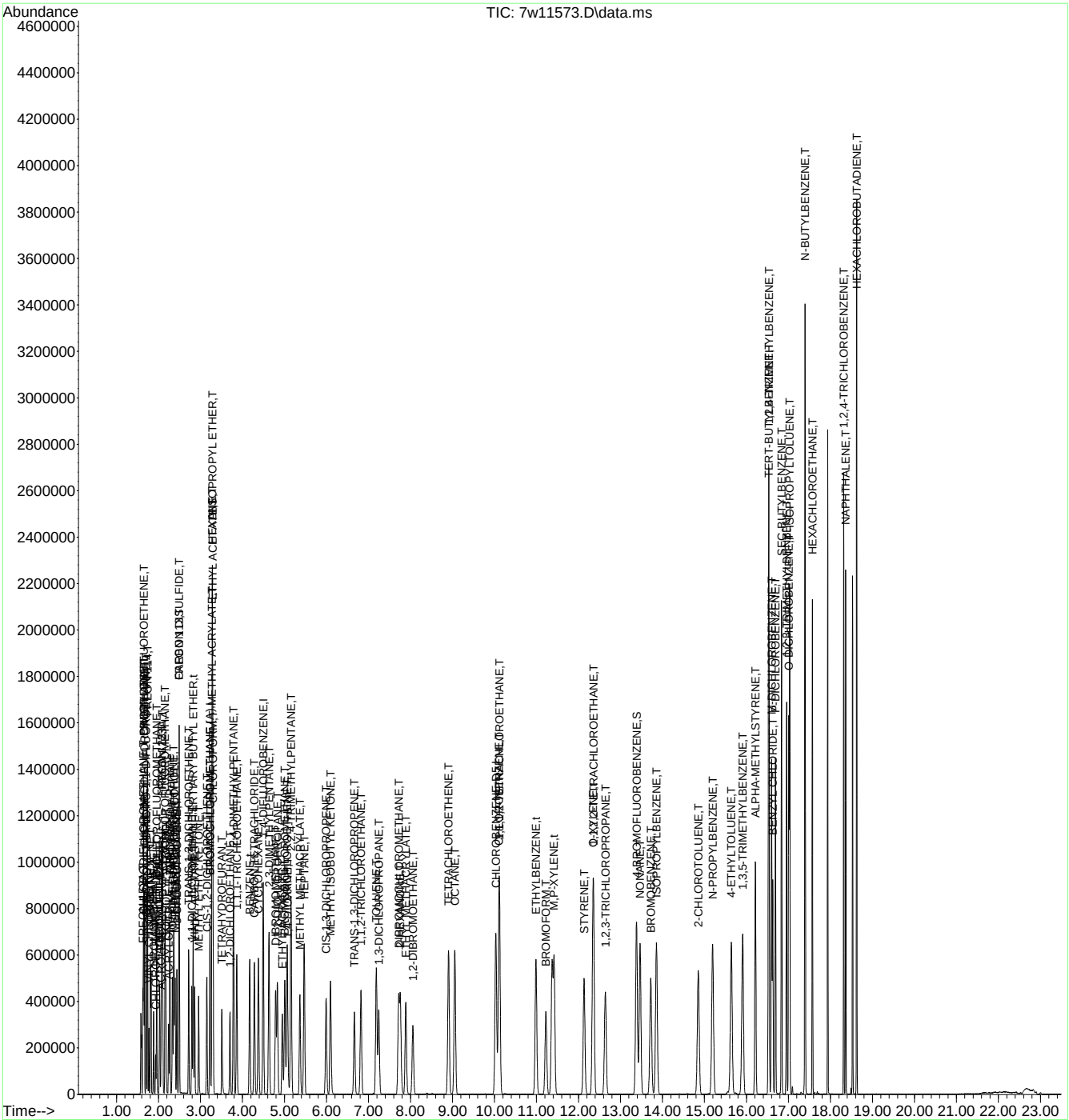
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11573.D
Acq On : 7 Jan 2025 10:43 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11598.D
Acq On : 8 Jan 2025 11:34 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w416,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 09 18:16:53 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	136469	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	659454	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	642337	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	136469	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	470219	10.09	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	71939	11.0696	PPBV	98
4) CHLORODIFLUOROMETHANE	1.640	67	36802	11.1550	PPBV	99
5) CHLOROTRIFLUOROETHENE	1.650	116	176800	11.1251	PPBV	97
6) DICHLORODIFLUOROMETHANE	1.666	85	369206	10.8506	PPBV	98
7) PROPYLENE	1.650	41	87962	9.8220	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	265209	10.5236	PPBV	97
9) FREON 114	1.740	85	304701	11.2893	PPBV	98
10) CHLOROMETHANE	1.711	52	32375	9.1654	PPBV	99
11) VINYL CHLORIDE	1.772	62	122593	10.7406	PPBV	99
12) 1,3-BUTADIENE	1.811	54	93827	9.6476	PPBV	97
13) N-BUTANE	1.827	43	170553	9.6362	PPBV	99
14) BROMOMETHANE	1.885	94	108052	10.5890	PPBV	98
15) CHLOROETHANE	1.933	64	64479	10.4388	PPBV	96
16) DICHLOROFLUOROMETHANE	1.959	67	266049	11.0566	PPBV	98
17) ACETONITRILE	2.026	41	100224	9.1375	PPBV	99
18) ACROLEIN	2.065	56	54142	9.3982	PPBV	98
19) FREON 123	2.078	83	280953	10.8198	PPBV	98
20) FREON 123A	2.097	117	174126	10.7704	PPBV	94
21) TRICHLOROFLUOROMETHANE	2.161	101	327324	10.9234	PPBV	100
22) ISOPROPYL ALCOHOL	2.177	45	239016	9.4541	PPBV	100
23) ACETONE	2.103	58	63041	7.9507	PPBV	88
24) PENTANE	2.274	42	124822	10.2787	PPBV	99
25) IODOMETHANE	2.335	142	304071	11.0724	PPBV	100
26) 1,1-DICHLOROETHYLENE	2.364	96	119396	10.0902	PPBV	96
27) CARBON DISULFIDE	2.496	76	332169	11.2724	PPBV	97
28) ETHANOL	1.962	45	65007	9.3930	PPBV	99
29) BROMOETHENE	2.033	106	113418	10.4329	PPBV	100
30) ACRYLONITRILE	2.245	52	86910	8.8561	PPBV	97
31) METHYLENE CHLORIDE	2.399	84	106051	9.8182	PPBV	91
32) 3-CHLOROPROPENE	2.441	76	58387	10.3905	PPBV	89
33) FREON 113	2.496	151	185336	10.3446	PPBV	96
34) TRANS-1,2-DICHLOROETHENE	2.721	96	127233	10.3288	PPBV	97
35) TERTIARY BUTYL ALCOHOL	2.377	59	275778	9.4848	PPBV	99
36) METHYL TERTIARY BUTYL ...	2.827	73	388526	11.0297	PPBV	99
37) TETRAHYDROFURAN	3.509	72	63839	11.6952	PPBV	94
38) HEXANE	3.277	57	231363	10.2939	PPBV	97
39) VINYL ACETATE	2.862	86	35389	10.6146	PPBV	96
40) 1,1-DICHLOROETHANE	2.795	63	245764	11.1506	PPBV	99
41) METHYL ETHYL KETONE	2.959	72	68563	11.3084	PPBV	92
42) CIS-1,2-DICHLOROETHENE	3.152	96	142715	11.2482	PPBV	99
43) DIISOPROPYL ETHER	3.283	59	67362	10.8223	PPBV	95
44) ETHYL ACETATE	3.287	61	47256	10.9738	PPBV	99
45) METHYL ACRYLATE	3.274	55	274047	10.8530	PPBV #	99
46) CHLOROFORM	3.300	83	284329	11.3988	PPBV	99
47) 2,4-DIMETHYLPENTANE	3.788	57	272993	10.9857	PPBV	100
48) 1,1,1-TRICHLOROETHANE	3.865	97	299824	11.2089	PPBV	99
49) CARBON TETRACHLORIDE	4.283	117	301485	11.3645	PPBV	100
50) 1,2-DICHLOROETHANE	3.705	62	217109	11.6254	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11598.D
Acq On : 8 Jan 2025 11:34 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w416,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 09 18:16:53 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	411060	11.2782	PPBV	98
53)	CYCLOHEXANE	4.380	84	180561	11.5890	PPBV	98
54)	2,3-DIMETHYLPENTANE	4.634	71	94763	11.5844	PPBV	97
55)	TRICHLOROETHENE	5.062	95	193178	11.5241	PPBV	98
56)	1,2-DICHLOROPROPANE	4.833	63	159894	11.1807	PPBV	100
57)	DIBROMOMETHANE	4.791	174	176483	11.2046	PPBV	95
58)	ETHYL ACRYLATE	4.949	55	344498	11.3372	PPBV	99
59)	BROMODICHLOROMETHANE	5.010	83	315933	11.8299	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	729834	11.5093	PPBV	100
61)	1,4-DIOXANE	5.078	88	100956	10.8010	PPBV	98
62)	HEPTANE	5.470	43	255648	11.4716	PPBV	98
63)	METHYL METHACRYLATE	5.367	69	160459	11.2032	PPBV	97
64)	METHYL ISOBUTYL KETONE	6.097	58	145051	10.9025	PPBV	95
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	260389	11.6266	PPBV	96
66)	TOLUENE	7.187	91	523106	11.2262	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	254749	11.7060	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	229125	10.8827	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.820	83	149478	11.6702	PPBV	99
70)	2-HEXANONE	7.756	58	199363	9.5962	PPBV	95
71)	ETHYL METHACRYLATE	7.891	69	270141	10.8488	PPBV	97
72)	TETRACHLOROETHENE	8.907	164	219472	12.4310	PPBV	96
73)	DIBROMOCHLOROMETHANE	7.721	129	312440	11.6103	PPBV	100
74)	1,2-DIBROMOETHANE	8.058	107	291042	12.4123	PPBV	99
75)	OCTANE	9.058	43	356917	11.3039	PPBV	99
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	226126	11.0146	PPBV	98
78)	CHLOROBENZENE	10.110	112	425866	11.3935	PPBV	97
79)	ETHYLBENZENE	10.987	91	709135	11.2087	PPBV	100
80)	M,P-XYLENE	11.418	91	1118154	22.5458	PPBV	96
81)	O-XYLENE	12.344	91	570334	11.4503	PPBV	98
82)	STYRENE	12.132	104	434699	12.1855	PPBV	99
83)	NONANE	13.470	43	375580	10.9776	PPBV	97
84)	BROMOFORM	11.222	173	289840	11.7702	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	397983	12.0060	PPBV	99
86)	1,2,3-TRICHLOROPROPANE	12.640	75	310318	11.7340	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	215061	11.3018	PPBV	99
89)	BROMOBENZENE	13.727	77	397653	11.2101	PPBV	99
90)	2-CHLOROTOLUENE	14.859	126	192111	11.0982	PPBV	100
91)	N-PROPYLBENZENE	15.193	120	226279	11.7322	PPBV	100
92)	4-ETHYLTOLUENE	15.640	105	833024	12.0419	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	692290	11.8915	PPBV	99
94)	ALPHA-METHYLSTYRENE	16.212	118	347392	11.6841	PPBV	100
95)	TERT-BUTYLBENZENE	16.527	134	162548	11.6659	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	711065	12.1088	PPBV	98
97)	BENZYL CHLORIDE	16.627	91	545073	10.4824	PPBV	99
98)	M-DICHLOROBENZENE	16.598	146	464331	11.5927	PPBV	99
99)	P-DICHLOROBENZENE	16.691	146	471865	12.1042	PPBV	99
100)	O-DICHLOROBENZENE	17.006	146	442409	11.6974	PPBV	99
101)	SEC-BUTYLBENZENE	16.836	134	204606	11.7836	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	687531	11.6884	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.029	134	222555	11.5624	PPBV	98
104)	N-BUTYLBENZENE	17.389	134	221249	11.7647	PPBV	95
105)	HEXACHLOROETHANE	17.569	117	236492	10.5556	PPBV	95
106)	HEXACHLOROBUTADIENE	18.620	225	372311	13.2332	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.312	180	430491	13.3161	PPBV	100
108)	NAPHTHALENE	18.357	128	903980	12.5986	PPBV	100
110)	TVHC as equiv Pentane	2.274	TIC	597278	10.3075	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11598.D
Acq On : 8 Jan 2025 11:34 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w416,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 09 18:16:53 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

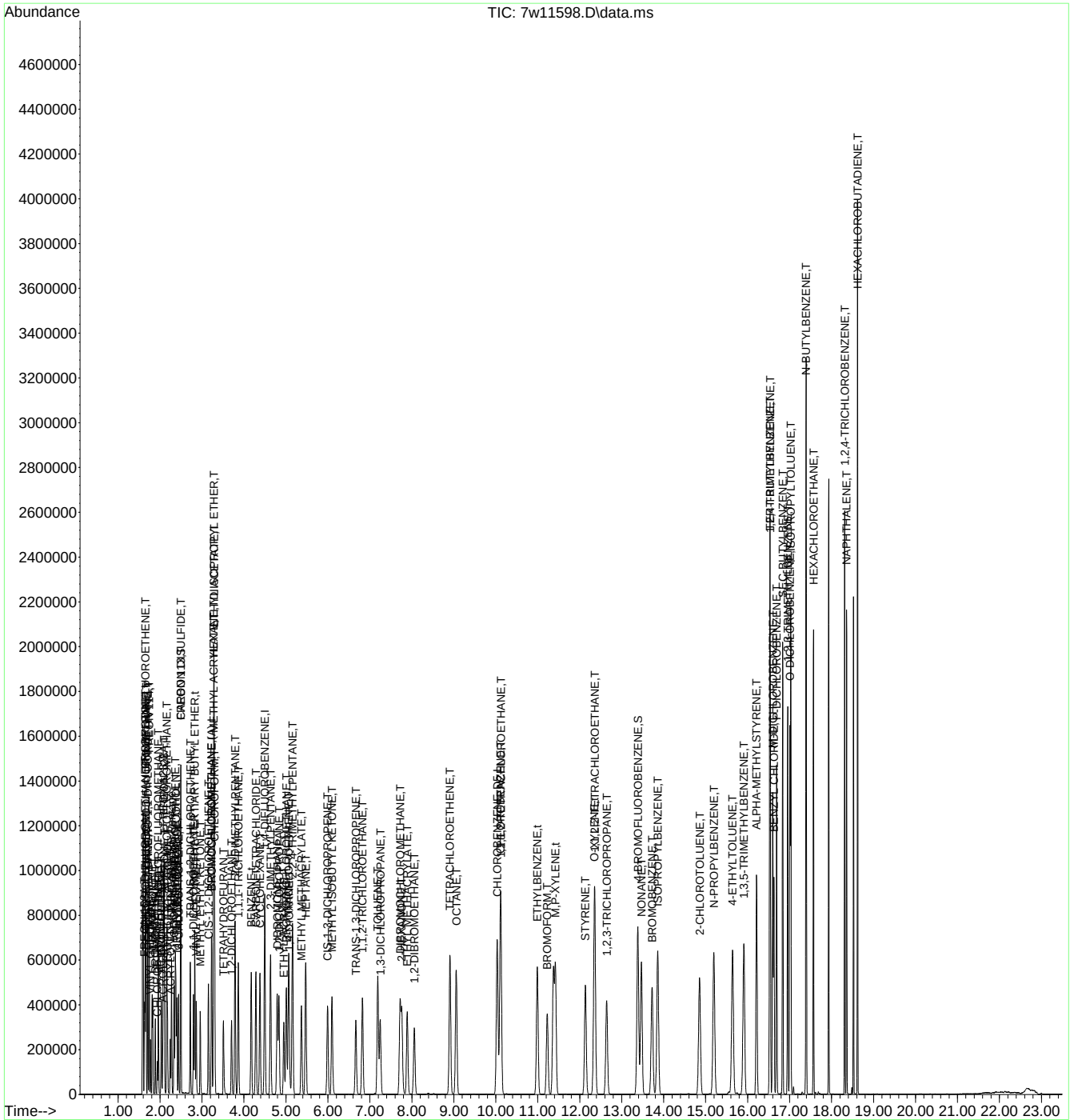
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11598.D
Acq On : 8 Jan 2025 11:34 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w416,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 09 18:16:53 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11599.D
Acq On : 9 Jan 2025 12:11 am
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w416,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 09 18:17:59 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	138151	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	664822	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.032	117	639822	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	138151	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	473929	10.21	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.628	65	72041	10.9503	PPBV		98
4) CHLORODIFLUOROMETHANE	1.640	67	36571	10.9500	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	178941	11.1228	PPBV		96
6) DICHLORODIFLUOROMETHANE	1.666	85	369146	10.7168	PPBV		98
7) PROPYLENE	1.647	41	88560	9.7684	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	263455	10.3268	PPBV		97
9) FREON 114	1.740	85	305913	11.1962	PPBV		99
10) CHLOROMETHANE	1.711	52	31622	8.8432	PPBV		98
11) VINYL CHLORIDE	1.772	62	122787	10.6267	PPBV		99
12) 1,3-BUTADIENE	1.811	54	92657	9.4113	PPBV		98
13) N-BUTANE	1.824	43	168697	9.4153	PPBV		99
14) BROMOMETHANE	1.885	94	107699	10.4259	PPBV		99
15) CHLOROETHANE	1.933	64	64169	10.2621	PPBV	#	87
16) DICHLOROFLUOROMETHANE	1.956	67	266198	10.9281	PPBV		98
17) ACETONITRILE	2.023	41	99545	8.9651	PPBV		99
18) ACROLEIN	2.062	56	54068	9.2711	PPBV		97
19) FREON 123	2.078	83	281549	10.7107	PPBV		99
20) FREON 123A	2.094	117	175074	10.6972	PPBV		95
21) TRICHLOROFLUOROMETHANE	2.158	101	325385	10.7265	PPBV		100
22) ISOPROPYL ALCOHOL	2.174	45	238235	9.3085	PPBV		100
23) ACETONE	2.100	58	63024	7.8518	PPBV		87
24) PENTANE	2.274	42	123920	10.0802	PPBV		98
25) IODOMETHANE	2.335	142	306392	11.0211	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.361	96	119658	9.9892	PPBV		96
27) CARBON DISULFIDE	2.496	76	330894	11.0924	PPBV		97
28) ETHANOL	1.962	45	64549	9.2132	PPBV		99
29) BROMOETHENE	2.033	106	113026	10.2703	PPBV		99
30) ACRYLONITRILE	2.242	52	86630	8.7201	PPBV		98
31) METHYLENE CHLORIDE	2.399	84	106421	9.7325	PPBV		90
32) 3-CHLOROPROPENE	2.441	76	58311	10.2506	PPBV		88
33) FREON 113	2.493	151	187042	10.3127	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	2.721	96	125636	10.0750	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.374	59	276453	9.3923	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.827	73	390299	10.9452	PPBV		99
37) TETRAHYDROFURAN	3.509	72	63849	11.5546	PPBV		94
38) HEXANE	3.277	57	232872	10.2349	PPBV		97
39) VINYL ACETATE	2.862	86	36026	10.6741	PPBV		92
40) 1,1-DICHLOROETHANE	2.795	63	246825	11.0624	PPBV		99
41) METHYL ETHYL KETONE	2.959	72	69179	11.2710	PPBV		90
42) CIS-1,2-DICHLOROETHENE	3.152	96	142477	11.0927	PPBV		99
43) DIISOPROPYL ETHER	3.284	59	67767	10.7548	PPBV		94
44) ETHYL ACETATE	3.287	61	47558	10.9095	PPBV		98
45) METHYL ACRYLATE	3.274	55	274334	10.7321	PPBV	#	99
46) CHLOROFORM	3.300	83	286349	11.3400	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.785	57	269817	10.7257	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.865	97	301331	11.1281	PPBV		99
49) CARBON TETRACHLORIDE	4.283	117	305021	11.3579	PPBV		100
50) 1,2-DICHLOROETHANE	3.701	62	215765	11.4128	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11599.D
Acq On : 9 Jan 2025 12:11 am
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w416,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 09 18:17:59 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	413530	11.2079	PPBV	98
53)	CYCLOHEXANE	4.380	84	182032	11.5891	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.634	71	95878	11.6261	PPBV	96
55)	TRICHLOROETHENE	5.062	95	194013	11.4804	PPBV	99
56)	1,2-DICHLOROPROPANE	4.830	63	160153	11.1084	PPBV	99
57)	DIBROMOMETHANE	4.791	174	178598	11.2473	PPBV	94
58)	ETHYL ACRYLATE	4.949	55	343060	11.1987	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	316511	11.7559	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	729926	11.4178	PPBV	100
61)	1,4-DIOXANE	5.081	88	100682	10.6847	PPBV	97
62)	HEPTANE	5.470	43	255774	11.3846	PPBV	98
63)	METHYL METHACRYLATE	5.367	69	161176	11.1624	PPBV	96
64)	METHYL ISOBUTYL KETONE	6.097	58	144111	10.7444	PPBV	95
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	261275	11.5719	PPBV	96
66)	TOLUENE	7.187	91	526141	11.2002	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	254510	11.6006	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	232065	10.9333	PPBV	95
69)	1,1,2-TRICHLOROETHANE	6.820	83	150354	11.6438	PPBV	100
70)	2-HEXANONE	7.759	58	198505	9.4778	PPBV	94
71)	ETHYL METHACRYLATE	7.888	69	270976	10.7945	PPBV	96
72)	TETRACHLOROETHENE	8.907	164	223002	12.5290	PPBV	96
73)	DIBROMOCHLOROMETHANE	7.721	129	313370	11.5509	PPBV	100
74)	1,2-DIBROMOETHANE	8.058	107	291009	12.3107	PPBV	99
75)	OCTANE	9.058	43	355636	11.1723	PPBV	98
77)	1,1,1,2-TETRACHLOROETHANE	10.119	131	227184	11.1096	PPBV	99
78)	CHLOROBENZENE	10.110	112	426279	11.4494	PPBV	97
79)	ETHYLBENZENE	10.991	91	711844	11.2957	PPBV	100
80)	M,P-XYLENE	11.418	91	1121727	22.7068	PPBV	97
81)	O-XYLENE	12.347	91	570298	11.4946	PPBV	99
82)	STYRENE	12.135	104	435253	12.2490	PPBV	100
83)	NONANE	13.470	43	372945	10.9434	PPBV	97
84)	BROMOFORM	11.225	173	287871	11.7362	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	395744	11.9854	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.640	75	309191	11.7374	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	215965	11.3939	PPBV	99
89)	BROMOBENZENE	13.720	77	398330	11.2734	PPBV	100
90)	2-CHLOROTOLUENE	14.855	126	193278	11.2095	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	226696	11.8000	PPBV	100
92)	4-ETHYLTOLUENE	15.640	105	822059	11.9301	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	696066	12.0033	PPBV	99
94)	ALPHA-METHYLSTYRENE	16.212	118	348625	11.7716	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	163619	11.7889	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	710797	12.1518	PPBV	98
97)	BENZYL CHLORIDE	16.627	91	538830	10.4031	PPBV	99
98)	M-DICHLOROBENZENE	16.598	146	466660	11.6966	PPBV	100
99)	P-DICHLOROBENZENE	16.691	146	475058	12.2340	PPBV	99
100)	O-DICHLOROBENZENE	17.006	146	444407	11.7964	PPBV	99
101)	SEC-BUTYLBENZENE	16.836	134	206099	11.9163	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	688376	11.7488	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.029	134	224965	11.7335	PPBV	98
104)	N-BUTYLBENZENE	17.392	134	221143	11.8053	PPBV	96
105)	HEXACHLOROETHANE	17.569	117	234382	10.5026	PPBV	95
106)	HEXACHLOROBUTADIENE	18.621	225	377216	13.4603	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.312	180	434745	13.5005	PPBV	99
108)	NAPHTHALENE	18.360	128	902665	12.6297	PPBV	100
110)	TVHC as equiv Pentane	2.274	TIC	588555	10.0333	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11599.D
Acq On : 9 Jan 2025 12:11 am
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w416,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 09 18:17:59 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

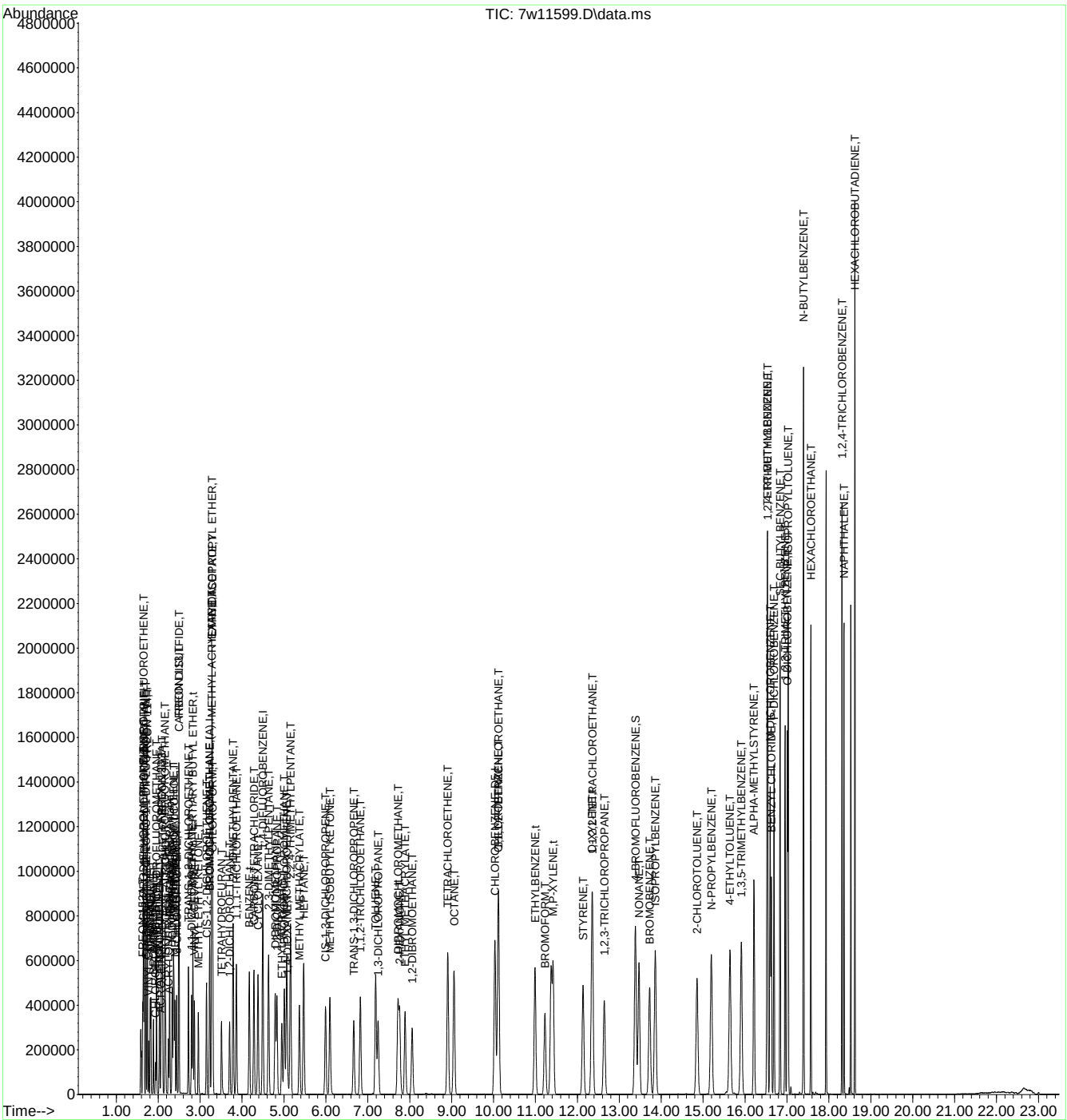
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11599.D
Acq On : 9 Jan 2025 12:11 am
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w416,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 09 18:17:59 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/05/24 22:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10270.D
Acq On : 5 Nov 2024 10:29 am
Operator : thomash
Sample : bs
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:39:30 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.274	128	58524	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	295708	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	270851	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	58513	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	189840	9.55	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.621	119	103369	13.77	PPBV		95
3) FREON 152A	1.650	65	55509	13.70	PPBV		89
4) CHLORODIFLUOROMETHANE	1.663	67	21417	10.96	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.676	116	115428	12.16	PPBV		72
6) DICHLORODIFLUOROMETHANE	1.692	85	236559	10.08	PPBV		97
7) PROPYLENE	1.672	41	72731	12.97	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	164220	8.36	PPBV		95
9) FREON 114	1.766	85	198275	9.93	PPBV		99
10) CHLOROMETHANE	1.733	52	27031	8.89	PPBV		98
11) VINYL CHLORIDE	1.798	62	95075	10.17	PPBV		100
12) 1,3-BUTADIENE	1.836	54	78825	10.37	PPBV		88
13) N-BUTANE	1.852	43	138600	9.99	PPBV		99
14) BROMOMETHANE	1.913	94	70369	9.42	PPBV		99
15) CHLOROETHANE	1.962	64	48980	10.23	PPBV		91
16) DICHLOROFLUOROMETHANE	1.987	67	178735	9.77	PPBV		98
17) ACETONITRILE	2.058	41	83460	9.19	PPBV		99
18) ACROLEIN	2.097	56	45095	9.89	PPBV		98
19) FREON 123	2.110	83	183544	9.87	PPBV		98
20) FREON 123A	2.129	117	109077	10.23	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.193	101	193958	9.22	PPBV		99
22) ISOPROPYL ALCOHOL	2.216	45	187894	9.48	PPBV		97
23) ACETONE	2.139	58	52147	9.65	PPBV		73
24) PENTANE	2.309	42	102631	10.19	PPBV		93
25) IODOMETHANE	2.370	142	184944	10.19	PPBV		93
26) 1,1-DICHLOROETHYLENE	2.399	96	74720	9.54	PPBV		99
27) CARBON DISULFIDE	2.531	76	204401m	8.96	PPBV		
28) ETHANOL	1.994	45	49987	9.23	PPBV		97
29) BROMOETHENE	2.065	106	72163	10.10	PPBV		97
30) ACRYLONITRILE	2.280	52	72437	9.86	PPBV		98
31) METHYLENE CHLORIDE	2.434	84	69093	8.57	PPBV		91
32) 3-CHLOROPROPENE	2.476	76	37263	9.04	PPBV		81
33) FREON 113	2.531	151	111801	9.07	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.759	96	84035	11.00	PPBV		96
35) TERTIARY BUTYL ALCOHOL	2.418	59	171326	9.00	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.868	73	227725	11.87	PPBV		98
37) TETRAHYDROFURAN	3.560	72	43684	11.95	PPBV		98
38) HEXANE	3.325	57	177739	11.13	PPBV		89
39) VINYL ACETATE	2.904	86	20611	11.80	PPBV		82
40) 1,1-DICHLOROETHANE	2.833	63	174341	12.25	PPBV		99
41) METHYL ETHYL KETONE	3.003	72	46800	12.02	PPBV		91
42) CIS-1,2-DICHLOROETHENE	3.196	96	90855	11.22	PPBV		99
43) DIISOPROPYL ETHER	3.328	59	50007	12.03	PPBV		85
44) ETHYL ACETATE	3.335	61	36071	11.82	PPBV		76
45) METHYL ACRYLATE	3.322	55	206341	11.79	PPBV	#	26
46) CHLOROFORM	3.344	83	173804	10.61	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.836	57	205913	12.05	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.917	97	166389	11.16	PPBV		96
49) CARBON TETRACHLORIDE	4.341	117	169673	11.59	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10270.D
Acq On : 5 Nov 2024 10:29 am
Operator : thomash
Sample : bs
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:39:30 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.753	62	129718	10.44	PPBV		99
51) BENZENE	4.228	78	276165	11.46	PPBV		97
53) CYCLOHEXANE	4.437	84	118569	11.35	PPBV		92
54) 2,3-DIMETHYLPENTANE	4.695	71	65179	12.19	PPBV		98
55) TRICHLOROETHENE	5.129	95	119236	10.53	PPBV		97
56) 1,2-DICHLOROPROPANE	4.894	63	119708	11.88	PPBV		94
57) DIBROMOMETHANE	4.852	174	101983	10.73	PPBV		94
58) ETHYL ACRYLATE	5.013	55	255911	11.83	PPBV		99
59) BROMODICHLOROMETHANE	5.071	83	187169	10.77	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.219	57	564217	11.79	PPBV		98
61) 1,4-DIOXANE	5.148	88	67906	10.96	PPBV	#	96
62) HEPTANE	5.537	43	190267	11.32	PPBV		98
63) METHYL METHACRYLATE	5.434	69	108199	11.96	PPBV		93
64) METHYL ISOBUTYL KETONE	6.171	58	111355	10.77	PPBV		89
65) CIS-1,3-DICHLOROPROPENE	6.061	75	158091	12.24	PPBV		87
66) TOLUENE	7.264	91	332004	10.55	PPBV		100
67) 1,3-DICHLOROPROPANE	7.325	76	167630	10.84	PPBV		100
68) TRANS-1,3-DICHLOROPROPENE	6.740	75	129206	12.20	PPBV		86
69) 1,1,2-TRICHLOROETHANE	6.894	83	96848	11.26	PPBV		98
70) 2-HEXANONE	7.846	58	158712	10.05	PPBV		87
71) ETHYL METHACRYLATE	7.974	69	176981	11.83	PPBV		94
72) TETRACHLOROETHENE	8.994	164	122893	10.93	PPBV		98
73) DIBROMOCHLOROMETHANE	7.801	129	181774	11.03	PPBV		99
74) 1,2-DIBROMOETHANE	8.142	107	173108	11.42	PPBV		100
75) OCTANE	9.141	43	262625	10.39	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	10.212	131	132628	11.42	PPBV		94
78) CHLOROBENZENE	10.196	112	264034	10.07	PPBV		99
79) ETHYLBENZENE	11.084	91	438914	10.21	PPBV		98
80) M,P-XYLENE	11.508	91	670249	19.74	PPBV		99
81) O-XYLENE	12.444	91	339324	9.96	PPBV		100
82) STYRENE	12.228	104	267419	10.84	PPBV		97
83) NONANE	13.563	43	271086	10.06	PPBV		94
84) BROMOFORM	11.318	173	167993	11.40	PPBV		98
85) 1,1,2,2-TETRACHLOROETHANE	12.456	83	251298	10.47	PPBV		98
86) 1,2,3-TRICHLOROPROPANE	12.736	75	195997	10.11	PPBV		100
88) ISOPROPYLBENZENE	13.961	120	130094	10.08	PPBV		94
89) BROMOBENZENE	13.820	77	238569	9.77	PPBV		97
90) 2-CHLOROTOLUENE	14.952	126	116206	9.82	PPBV		99
91) N-PROPYLBENZENE	15.296	120	136096	10.24	PPBV		100
92) 4-ETHYLTOLUENE	15.739	105	490721	10.43	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	15.993	105	403531	10.19	PPBV		99
94) ALPHA-METHYLSTYRENE	16.270	118	205046	9.74	PPBV		99
95) TERT-BUTYLBENZENE	16.569	134	96850	10.22	PPBV		95
96) 1,2,4-TRIMETHYLBENZENE	16.578	105	413499	9.99	PPBV		100
97) BENZYL CHLORIDE	16.669	91	226352	18.80	PPBV		98
98) M-DICHLOROBENZENE	16.640	146	275292	9.97	PPBV		97
99) P-DICHLOROBENZENE	16.730	146	279776	10.21	PPBV		97
100) O-DICHLOROBENZENE	17.045	146	261822	9.90	PPBV		97
101) SEC-BUTYLBENZENE	16.874	134	122281	10.26	PPBV		94
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	399376	9.53	PPBV		99
103) P-ISOPROPYLTOLUENE	17.064	134	133004	10.00	PPBV		92
104) N-BUTYLBENZENE	17.424	134	132315	10.02	PPBV		92
105) HEXACHLOROETHANE	17.604	117	149298	11.65	PPBV		96
106) HEXACHLOROBUTADIENE	18.659	225	210782	10.61	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.347	180	270457	10.22	PPBV		99
108) NAPHTHALENE	18.395	128	629060	9.09	PPBV		100
110) TVHC as equiv Pentane	2.309	TIC	476019	9.37	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10270.D
Acq On : 5 Nov 2024 10:29 am
Operator : thomash
Sample : bs
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:39:30 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

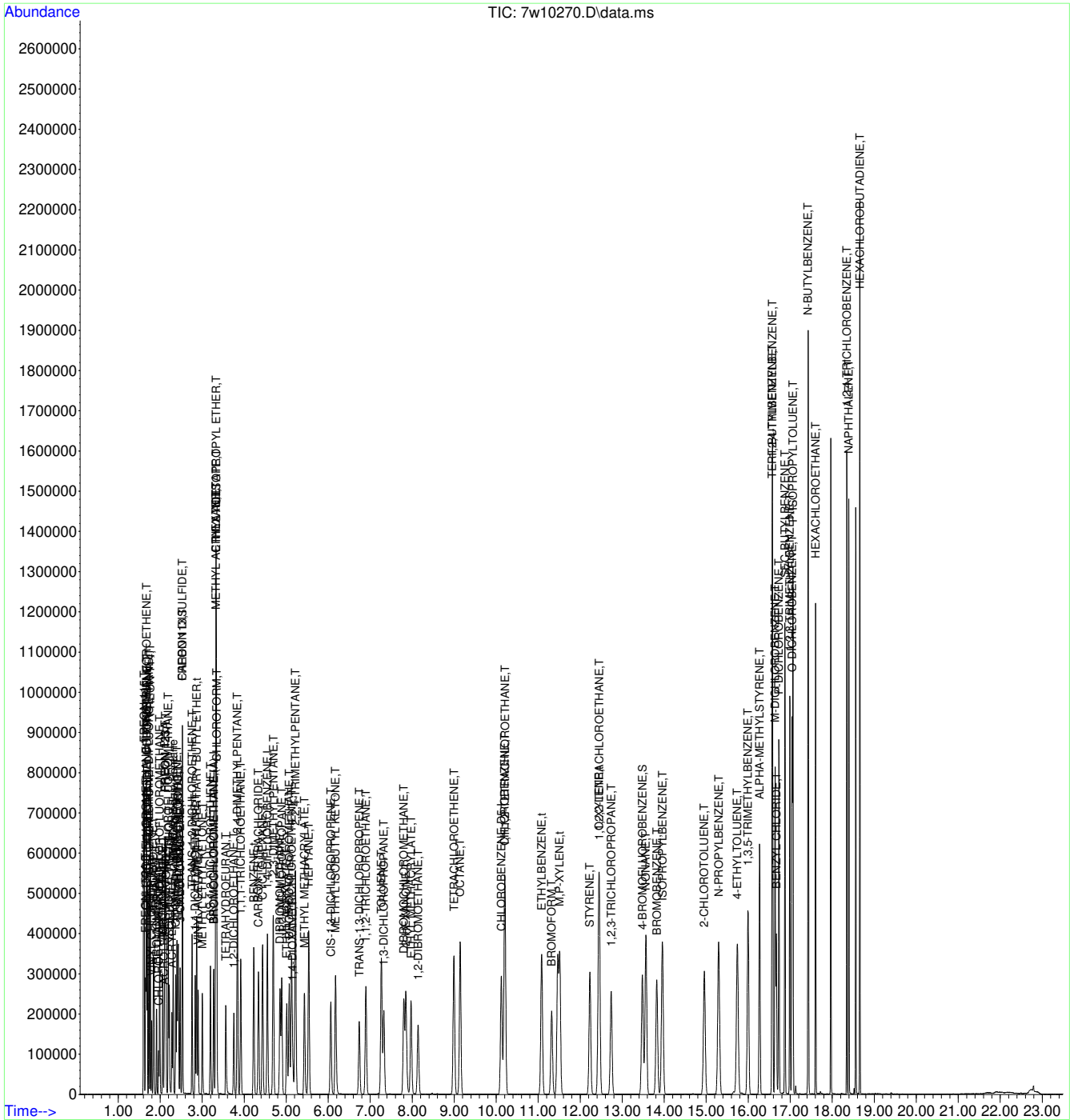
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10270.D
Acq On : 5 Nov 2024 10:29 am
Operator : thomash
Sample : bs
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:39:30 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

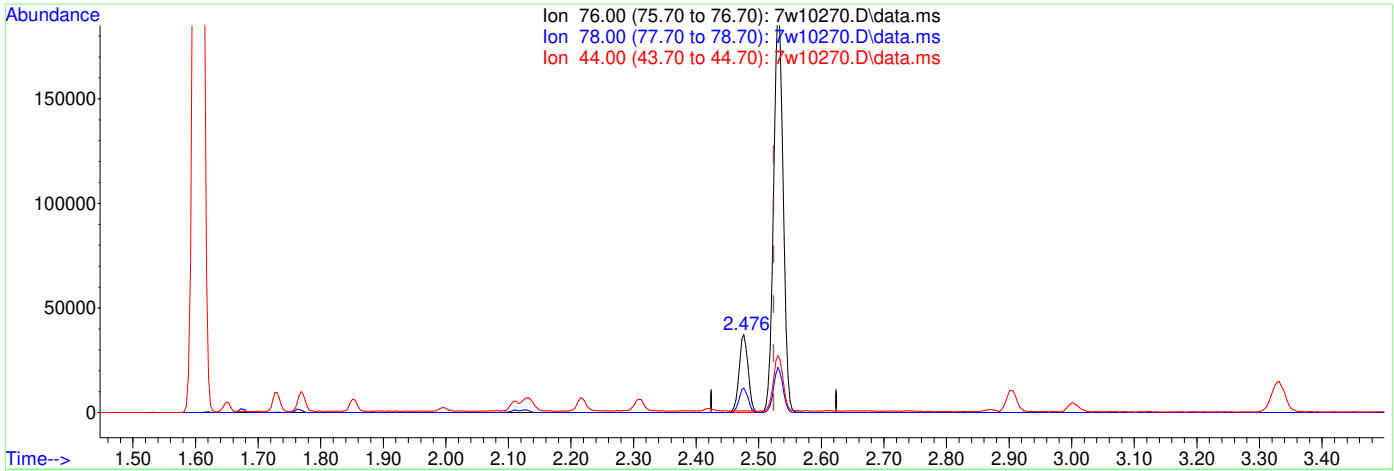
Sample Number:	V7W378-BS	**Method:**	TO-15
Lab FileID:	7W10270.D	**Analyst approved:**	11/05/24 16:58 Thomas Hilbig
Injection Time:	11/05/24 10:29	**Supervisor approved:**	11/05/24 22:11 Kanya Veerawat

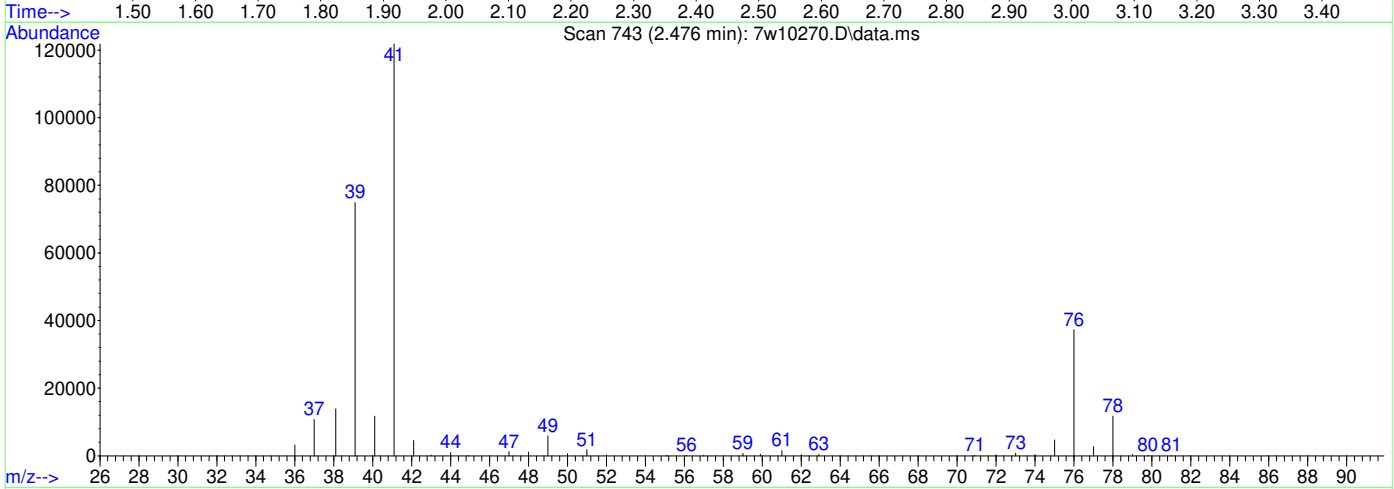
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w10270.D
Acq On : 5 Nov 2024 10:29 am
Operator : thomash
Sample : bs
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 12:59:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10270.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.63PPBV

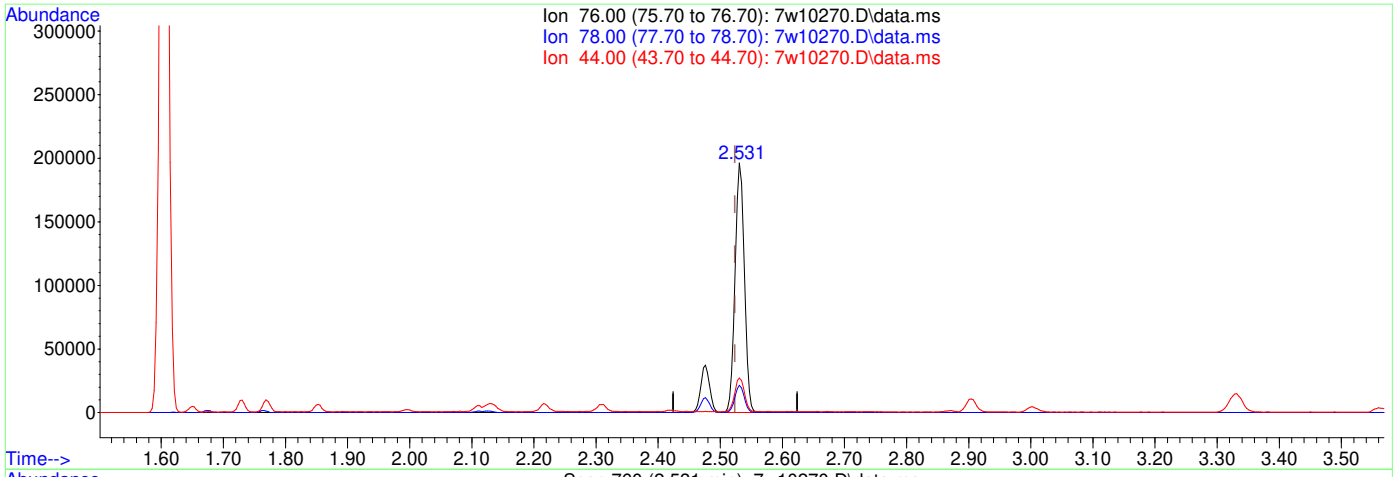
response 37248

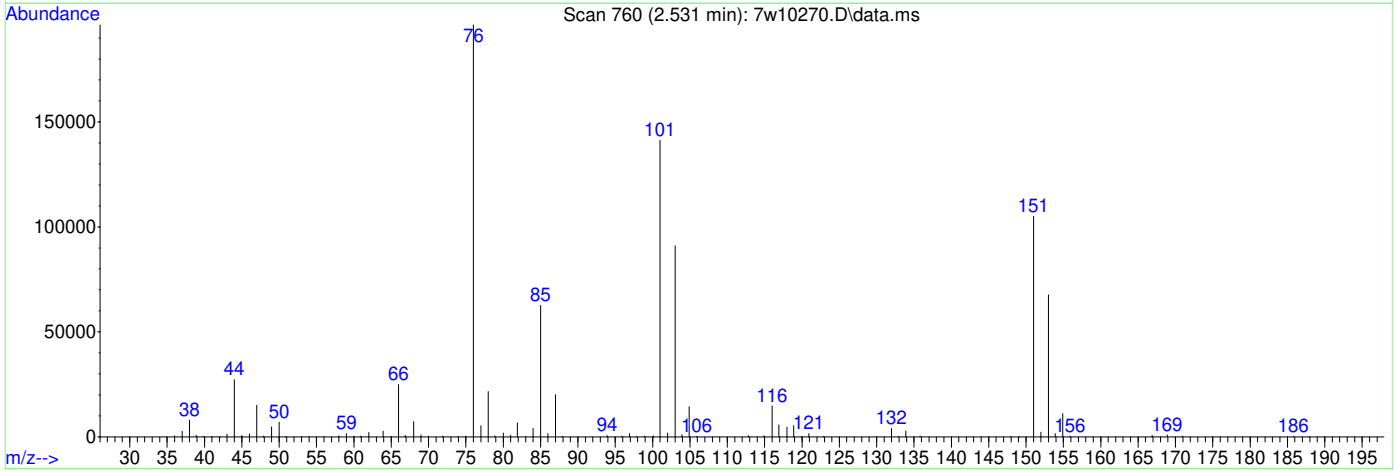
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	31.78#
44.00	19.10	0.79#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w10270.D
Acq On : 5 Nov 2024 10:29 am
Operator : thomash
Sample : bs
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:39:30 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10270.D\data.ms

(27) CARBON DISULFIDE (T)

2.531min (+0.007) 8.96PPBV m

response 204401

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.79#
44.00	19.10	0.14#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/05/24 22:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10271.D
Acq On : 5 Nov 2024 11:04 am
Operator : thomash
Sample : bsd
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:40:22 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.274	128	59343	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	299789	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	270470	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	59343	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	190698	9.61	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	103279	13.57	PPBV		96
3) FREON 152A	1.647	65	54744	13.32	PPBV		89
4) CHLORODIFLUOROMETHANE	1.660	67	21169	10.68	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.672	116	113544	11.79	PPBV		72
6) DICHLORODIFLUOROMETHANE	1.688	85	234316	9.85	PPBV		97
7) PROPYLENE	1.669	41	71331	12.55	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	160799	8.07	PPBV		95
9) FREON 114	1.762	85	197461	9.75	PPBV		99
10) CHLOROMETHANE	1.733	52	26719	8.67	PPBV		96
11) VINYL CHLORIDE	1.795	62	96102	10.14	PPBV		100
12) 1,3-BUTADIENE	1.833	54	77136	10.01	PPBV		88
13) N-BUTANE	1.849	43	136356	9.69	PPBV		99
14) BROMOMETHANE	1.910	94	69852	9.22	PPBV		100
15) CHLOROETHANE	1.962	64	48710	10.04	PPBV		91
16) DICHLOROFLUOROMETHANE	1.987	67	177772	9.58	PPBV		98
17) ACETONITRILE	2.055	41	82625	8.97	PPBV		98
18) ACROLEIN	2.097	56	44294	9.58	PPBV		99
19) FREON 123	2.110	83	183186	9.72	PPBV		98
20) FREON 123A	2.126	117	108737	10.06	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.193	101	191573	8.98	PPBV		99
22) ISOPROPYL ALCOHOL	2.216	45	182828	9.10	PPBV		96
23) ACETONE	2.135	58	51130	9.33	PPBV		72
24) PENTANE	2.309	42	101473	9.94	PPBV		93
25) IODOMETHANE	2.370	142	185544	10.08	PPBV		92
26) 1,1-DICHLOROETHYLENE	2.399	96	75337	9.49	PPBV		98
27) CARBON DISULFIDE	2.531	76	203357m	8.79	PPBV		
28) ETHANOL	1.994	45	48413	8.82	PPBV		98
29) BROMOETHENE	2.065	106	71922	9.92	PPBV		97
30) ACRYLONITRILE	2.277	52	71070	9.54	PPBV		98
31) METHYLENE CHLORIDE	2.434	84	68046	8.33	PPBV		91
32) 3-CHLOROPROPENE	2.476	76	36949	8.84	PPBV		81
33) FREON 113	2.531	151	113662	9.10	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	2.759	96	80594	10.41	PPBV		94
35) TERTIARY BUTYL ALCOHOL	2.418	59	169939	8.81	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.868	73	226977	11.67	PPBV		98
37) TETRAHYDROFURAN	3.563	72	43426	11.71	PPBV		96
38) HEXANE	3.325	57	175059	10.81	PPBV		89
39) VINYL ACETATE	2.907	86	20152	11.38	PPBV		81
40) 1,1-DICHLOROETHANE	2.836	63	172507	11.95	PPBV		99
41) METHYL ETHYL KETONE	3.004	72	46195	11.70	PPBV		91
42) CIS-1,2-DICHLOROETHENE	3.196	96	90269	10.99	PPBV		99
43) DIISOPROPYL ETHER	3.331	59	49218	11.68	PPBV		85
44) ETHYL ACETATE	3.335	61	35496	11.47	PPBV		77
45) METHYL ACRYLATE	3.322	55	204855	11.55	PPBV	#	26
46) CHLOROFORM	3.348	83	171479	10.32	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.840	57	205114	11.84	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.920	97	165214	10.93	PPBV		96
49) CARBON TETRACHLORIDE	4.341	117	169902	11.45	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10271.D
Acq On : 5 Nov 2024 11:04 am
Operator : thomash
Sample : bsd
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:40:22 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	127609	10.13	PPBV		99
51)	BENZENE	4.229	78	274999	11.25	PPBV		96
53)	CYCLOHEXANE	4.438	84	118206	11.16	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.692	71	64551	11.90	PPBV		98
55)	TRICHLOROETHENE	5.126	95	119086	10.37	PPBV		98
56)	1,2-DICHLOROPROPANE	4.894	63	118692	11.62	PPBV		95
57)	DIBROMOMETHANE	4.856	174	102342	10.62	PPBV		92
58)	ETHYL ACRYLATE	5.013	55	253906	11.58	PPBV		99
59)	BROMODICHLOROMETHANE	5.071	83	185264	10.51	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.219	57	557111	11.48	PPBV		98
61)	1,4-DIOXANE	5.151	88	66902	10.65	PPBV	#	96
62)	HEPTANE	5.537	43	187804	11.02	PPBV		97
63)	METHYL METHACRYLATE	5.434	69	107732	11.75	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.174	58	109851	10.48	PPBV		90
65)	CIS-1,3-DICHLOROPROPENE	6.064	75	157196	12.01	PPBV		87
66)	TOLUENE	7.267	91	330887	10.37	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	165024	10.53	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	127761	11.90	PPBV		86
69)	1,1,2-TRICHLOROETHANE	6.897	83	96481	11.06	PPBV		98
70)	2-HEXANONE	7.849	58	156613	9.79	PPBV		87
71)	ETHYL METHACRYLATE	7.971	69	174905	11.53	PPBV		94
72)	TETRACHLOROETHENE	8.997	164	124259	10.90	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.798	129	182001	10.89	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	172711	11.24	PPBV		99
75)	OCTANE	9.142	43	259225	10.12	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	131993	11.38	PPBV		94
78)	CHLOROBENZENE	10.199	112	264406	10.10	PPBV		99
79)	ETHYLBENZENE	11.084	91	434356	10.12	PPBV		97
80)	M,P-XYLENE	11.511	91	666711	19.67	PPBV		99
81)	O-XYLENE	12.444	91	337531	9.92	PPBV		99
82)	STYRENE	12.228	104	263279	10.69	PPBV		98
83)	NONANE	13.566	43	266786	9.91	PPBV		93
84)	BROMOFORM	11.318	173	165445	11.24	PPBV		98
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	247684	10.33	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.736	75	192319	9.93	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	128812	9.99	PPBV		94
89)	BROMOBENZENE	13.823	77	237039	9.72	PPBV		97
90)	2-CHLOROTOLUENE	14.955	126	114953	9.73	PPBV		99
91)	N-PROPYLBENZENE	15.299	120	134698	10.15	PPBV		100
92)	4-ETHYLTOLUENE	15.743	105	495180	10.54	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	399269	10.10	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	204362	9.73	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	96823	10.24	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	411470	9.96	PPBV		99
97)	BENZYL CHLORIDE	16.669	91	226697	18.85	PPBV		98
98)	M-DICHLOROBENZENE	16.640	146	274648	9.96	PPBV		97
99)	P-DICHLOROBENZENE	16.730	146	275951	10.09	PPBV		97
100)	O-DICHLOROBENZENE	17.045	146	258592	9.79	PPBV		97
101)	SEC-BUTYLBENZENE	16.874	134	120777	10.14	PPBV		95
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	397466	9.50	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	132212	9.95	PPBV		92
104)	N-BUTYLBENZENE	17.424	134	130717	9.91	PPBV		92
105)	HEXACHLOROETHANE	17.604	117	146529	11.45	PPBV		95
106)	HEXACHLOROBUTADIENE	18.656	225	209521	10.56	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	264870	10.02	PPBV		99
108)	NAPHTHALENE	18.395	128	605217	8.76	PPBV		100
110)	TVHC as equiv Pentane	2.309	TIC	463231	8.99	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10271.D
Acq On : 5 Nov 2024 11:04 am
Operator : thomash
Sample : bsd
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:40:22 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

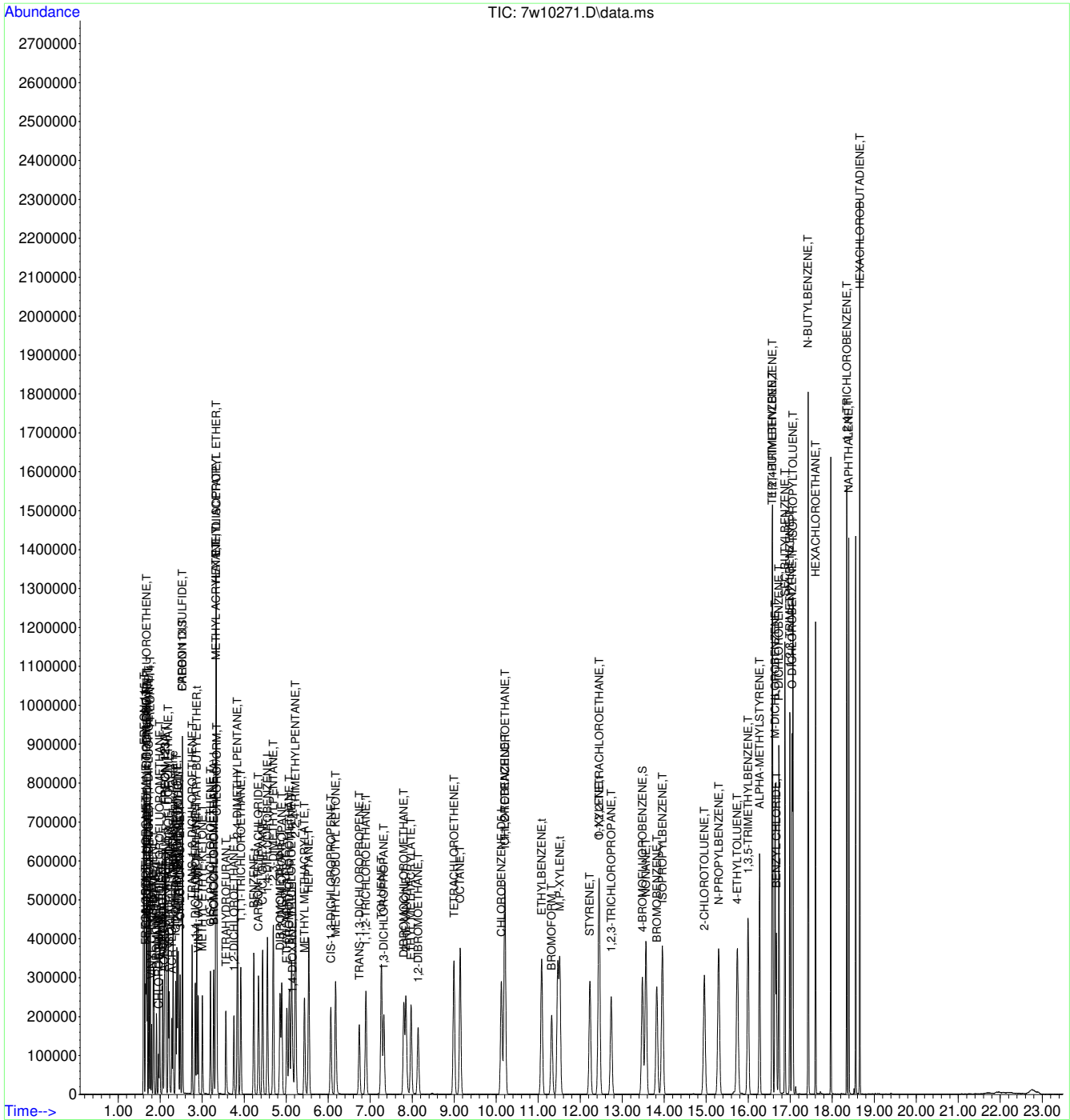
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10271.D
Acq On : 5 Nov 2024 11:04 am
Operator : thomash
Sample : bsd
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:40:22 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

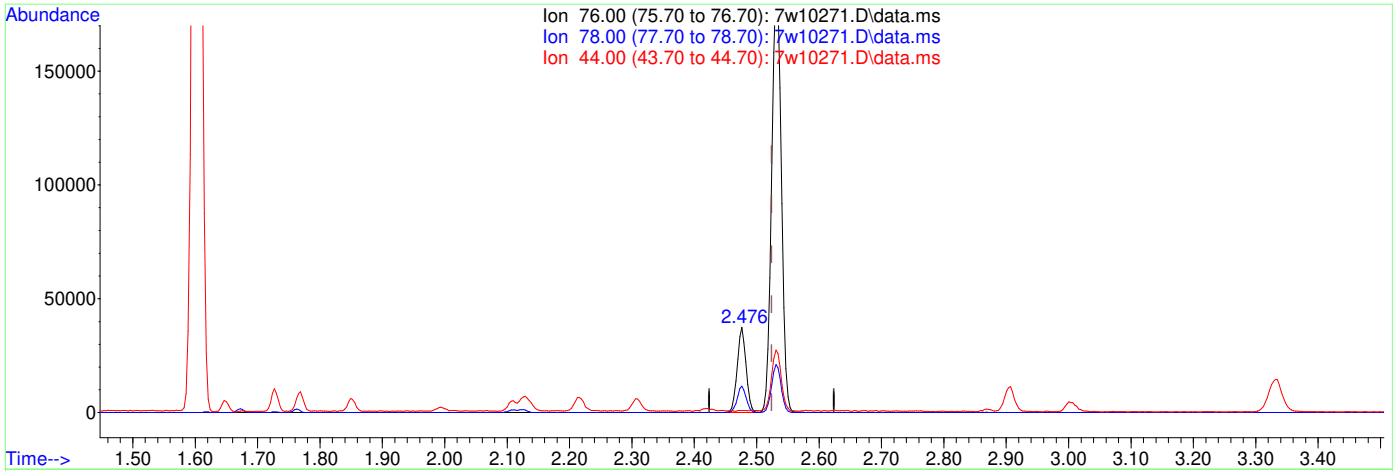
Sample Number:	V7W378-BSD	**Method:**	TO-15
Lab FileID:	7W10271.D	**Analyst approved:**	11/05/24 16:58 Thomas Hilbig
Injection Time:	11/05/24 11:04	**Supervisor approved:**	11/05/24 22:11 Kanya Veerawat

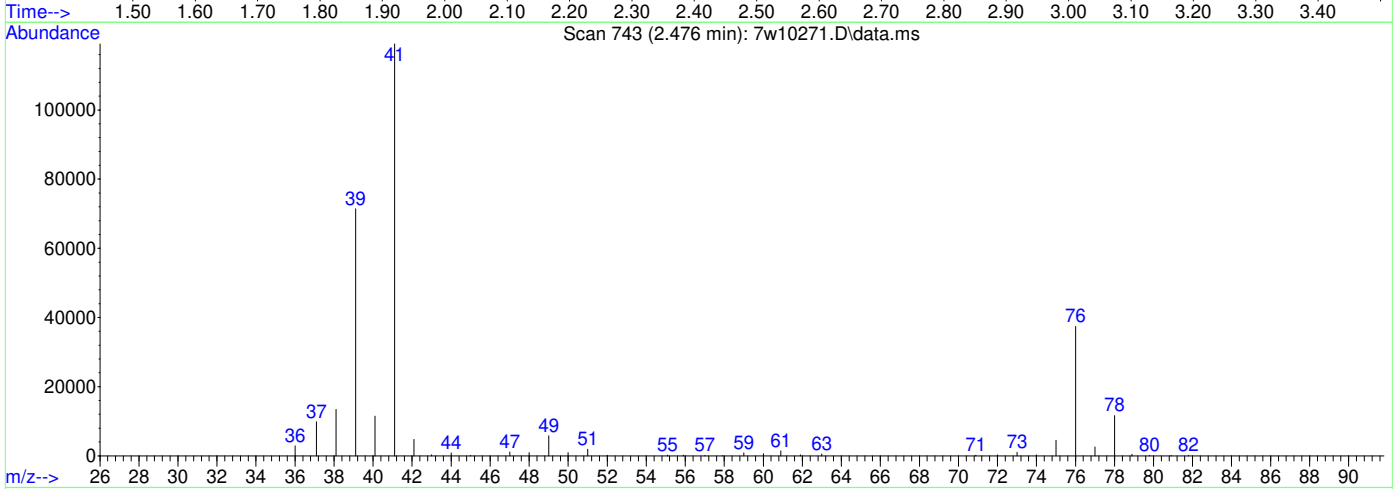
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w10271.D
Acq On : 5 Nov 2024 11:04 am
Operator : thomash
Sample : bsd
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 13:00:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10271.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.60PPBV

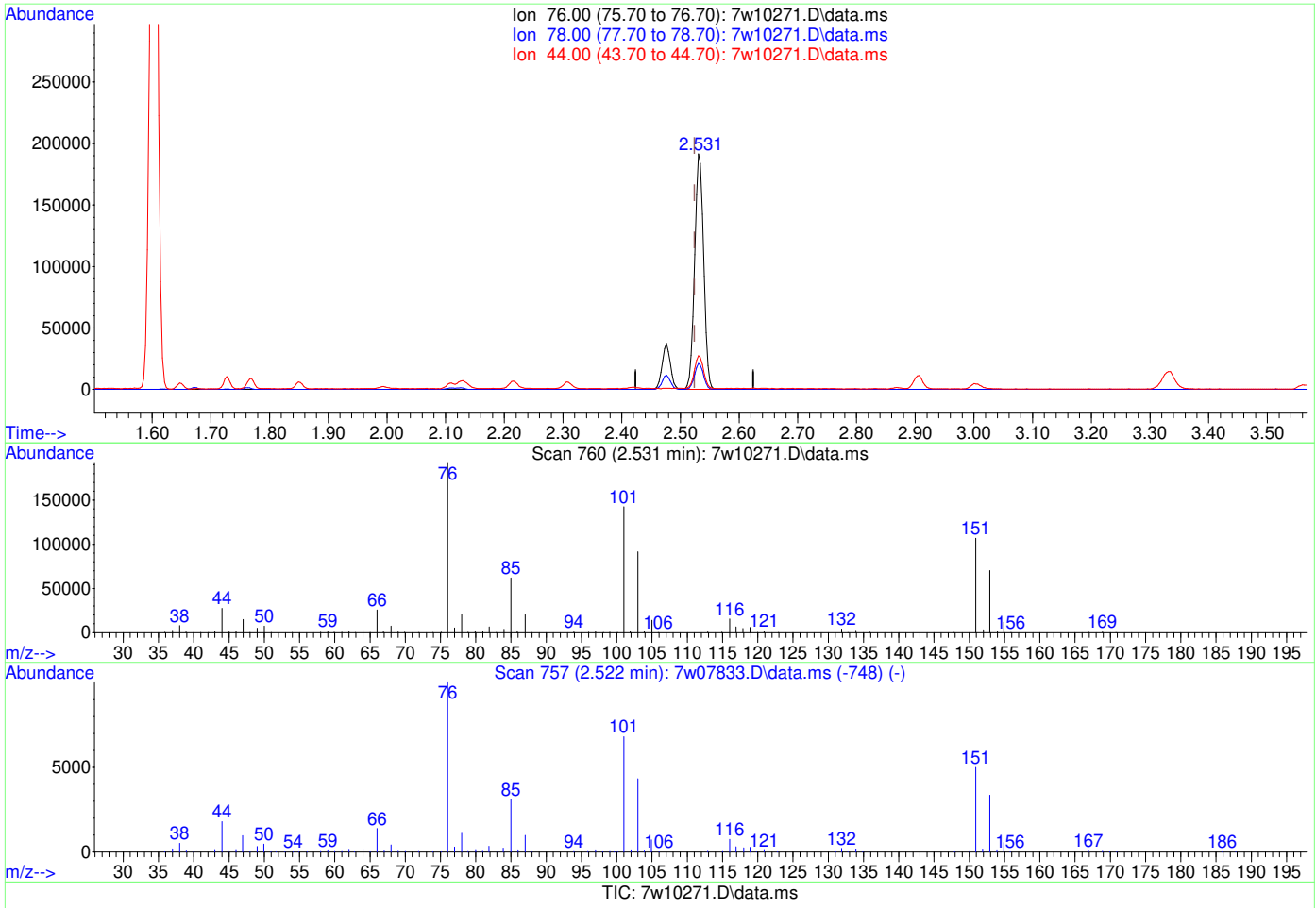
response 36968

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	31.69#
44.00	19.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w10271.D
Acq On : 5 Nov 2024 11:04 am
Operator : thomash
Sample : bsd
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 13:00:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



TIC: 7w10271.D\data.ms

(27) CARBON DISULFIDE (T)

2.531min (+0.007) 8.79PPBV m

response 203357

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.76#
44.00	19.10	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	313892	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1454050	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	902926	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	313892	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1012991	10.02	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.20%			
Target Compounds						Qvalue
2) FREON 115	3.460	119	565739	13.1668	PPBV	91
3) FREON 152A	3.539	65	284375	12.2452	PPBV	94
4) CHLORODIFLUOROMETHANE	3.576	67	159275	13.2268	PPBV	98
5) CHLOROTRIFLUOROETHENE	3.601	116	564184	10.3804	PPBV	98
6) DICHLORODIFLUOROMETHANE	3.650	85	1415187	12.3372	PPBV	99
7) PROPYLENE	3.594	41	354111	12.2570	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1323070	11.2633	PPBV	98
9) FREON 114	3.839	85	1523848	10.8301	PPBV	95
10) CHLOROMETHANE	3.766	52	140759	9.5156	PPBV	96
11) VINYL CHLORIDE	3.925	62	501674	9.6309	PPBV	99
12) 1,3-BUTADIENE	4.023	54	328641	9.4013	PPBV #	81
13) n-BUTANE	4.059	43	677176	10.0983	PPBV	98
14) BROMOMETHANE	4.225	94	501334	9.1337	PPBV	99
15) CHLOROETHANE	4.353	64	221160	9.2911	PPBV	96
16) DICHLOROFLUOROMETHANE	4.420	67	1186539	10.0844	PPBV	98
17) ACETONITRILE	4.616	41	382031	9.8628	PPBV	99
18) ACROLEIN	4.708	56	172478	10.1971	PPBV	99
19) FREON 123	4.732	83	1197754	10.1145	PPBV	99
20) FREON 123A	4.775	117	626407	9.9483	PPBV	87
21) TRICHLOROFLUOROMETHANE	4.940	101	1226758	11.5726	PPBV	100
22) ISOPROPYL ALCOHOL	5.020	45	790681	11.7722	PPBV	97
23) ACETONE	4.818	58	188311	7.4382	PPBV #	75
24) PENTANE	5.228	42	412053	12.3497	PPBV	96
25) IODOMETHANE	5.411	142	1095345	12.3862	PPBV	98
26) 1,1-DICHLOROETHYLENE	5.479	96	369495	11.2461	PPBV	92
27) CARBON DISULFIDE	5.846	76	1178475	12.3977	PPBV	97
28) ETHANOL	4.451	45	234765	9.5372	PPBV	98
29) BROMOETHENE	4.616	106	463255	9.9074	PPBV	97
30) ACRYLONITRILE	5.197	52	244683	9.3040	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	349487	10.6154	PPBV	94
32) 3-CHLOROPROPENE	5.693	76	190768	12.5662	PPBV #	87
33) FREON 113	5.815	151	700101	12.8166	PPBV	90
34) TRANS-1,2-DICHLOROETHY...	6.445	96	391118	11.2651	PPBV	94
35) TERTIARY BUTYL ALCOHOL	5.540	59	757111	11.9832	PPBV	95
36) METHYL TERTIARY BUTYL ...	6.702	73	1179737	13.2568	PPBV	97
37) TETRAHYDROFURAN	8.238	72	184127	13.5162	PPBV	90
38) HEXANE	7.699	57	608636	12.3752	PPBV	89
39) VINYL ACETATE	6.806	86	69299	12.3275	PPBV #	78
40) 1,1-DICHLOROETHANE	6.647	63	782820	12.1315	PPBV	99
41) METHYL ETHYL KETONE	7.051	72	193409	14.2049	PPBV #	82
42) cis-1,2-DICHLOROETHYLENE	7.498	96	420664	11.6767	PPBV	94
43) DIISOPROPYL ETHER	7.712	59	186180	12.4621	PPBV #	85
44) ETHYL ACETATE	7.742	61	140521	13.9905	PPBV #	97
45) METHYL ACRYLATE	7.730	55	787676	13.1741	PPBV	98
46) CHLOROFORM	7.803	83	999111	12.3991	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.660	57	691755	12.8610	PPBV	100
48) 1,1,1-TRICHLOROETHANE	8.874	97	1006425	12.3007	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1065043	12.3166	PPBV		99
50)	1,2-DICHLOROETHANE	8.599	62	713469	13.6130	PPBV		98
52)	BENZENE	9.394	78	1257021	11.9271	PPBV		99
53)	CYCLOHEXANE	9.694	84	486536	12.2895	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	259732	12.1515	PPBV		98
55)	TRICHLOROETHYLENE	10.648	95	606209	10.9106	PPBV		93
56)	1,2-DICHLOROPROPANE	10.355	63	487323	10.8937	PPBV		96
57)	DIBROMOMETHANE	10.330	174	698985	12.8515	PPBV		85
58)	ETHYL ACRYLATE	10.410	55	966249	13.6926	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1178495	12.1464	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1917970	11.9840	PPBV		98
61)	1,4-DIOXANE	10.667	88	278430	11.3444	PPBV		92
62)	HEPTANE	11.027	43	734912	13.1469	PPBV		95
63)	METHYL METHACRYLATE	10.936	69	466996	13.3286	PPBV		92
64)	METHYL ISOBUTYL KETONE	11.786	58	380109	12.7624	PPBV	#	84
65)	cis-1,3-DICHLOROPROPENE	11.725	75	867878	12.7711	PPBV		93
66)	TOLUENE	12.955	92	833668	11.3092	PPBV		99
67)	1,3-DICHLOROPROPANE	13.003	76	782394	12.0642	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	789840	12.6276	PPBV		94
69)	1,1,2-TRICHLOROETHANE	12.606	83	514691	11.5580	PPBV		96
71)	2-HEXANONE	13.358	58	543573	12.7616	PPBV		83
72)	ETHYL METHACRYLATE	13.383	69	807428	12.9466	PPBV		93
73)	TETRACHLOROETHYLENE	14.460	164	702048	11.9038	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1035622	10.7992	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	887287	11.1580	PPBV		99
76)	OCTANE	14.325	43	1070818	13.5020	PPBV		94
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	668416	10.0948	PPBV		90
78)	CHLOROBENZENE	15.402	112	1154772	9.9346	PPBV		93
79)	ETHYLBENZENE	15.952	91	1956239	11.7515	PPBV		97
80)	m,p-XYLENE	16.234	106	1371318	21.7102	PPBV		92
81)	o-XYLENE	16.900	106	681674	11.1179	PPBV		92
82)	STYRENE	16.748	104	1052497	11.9681	PPBV		95
83)	NONANE	17.310	43	1118669	13.5163	PPBV		97
84)	BROMOFORM	16.289	173	1443015	14.7072	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1389683	11.2759	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	990307	11.1286	PPBV		95
88)	ISOPROPYLBENZENE	17.812	105	1992471	10.5020	PPBV		97
89)	BROMOBENZENE	17.904	77	1163694	10.8599	PPBV		98
90)	2-CHLOROTOLUENE	18.546	126	481256	10.1243	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	515888	10.7259	PPBV		99
92)	4-ETHYLTOLUENE	18.876	105	2026620	11.5739	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1698402	11.3495	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.256	118	797961	9.8784	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	342276	10.4760	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1838391	11.7088	PPBV		98
97)	m-DICHLOROBENZENE	19.813	146	1339814	10.8375	PPBV		98
98)	BENZYL CHLORIDE	19.806	91	1865291	11.0684	PPBV		97
99)	p-DICHLOROBENZENE	19.923	146	1301886	11.2793	PPBV		98
100)	sec-BUTYLBENZENE	20.014	134	412760	10.5885	PPBV	#	89
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1793961	11.2501	PPBV	#	98
102)	p-ISOPROPYLTOLUENE	20.259	134	475123	10.3705	PPBV		95
103)	o-DICHLOROBENZENE	20.400	146	1223964	10.9062	PPBV		98
104)	n-BUTYLBENZENE	20.852	134	455939	10.8186	PPBV	#	77
105)	HEXACHLOROETHANE	21.317	117	953521	12.1375	PPBV	#	81
106)	HEXACHLOROBUTADIENE	23.361	225	1732900	16.4128	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1430193	14.3025	PPBV		96
108)	NAPHTHALENE	22.877	128	2358681	10.7459	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2726987	11.0975	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

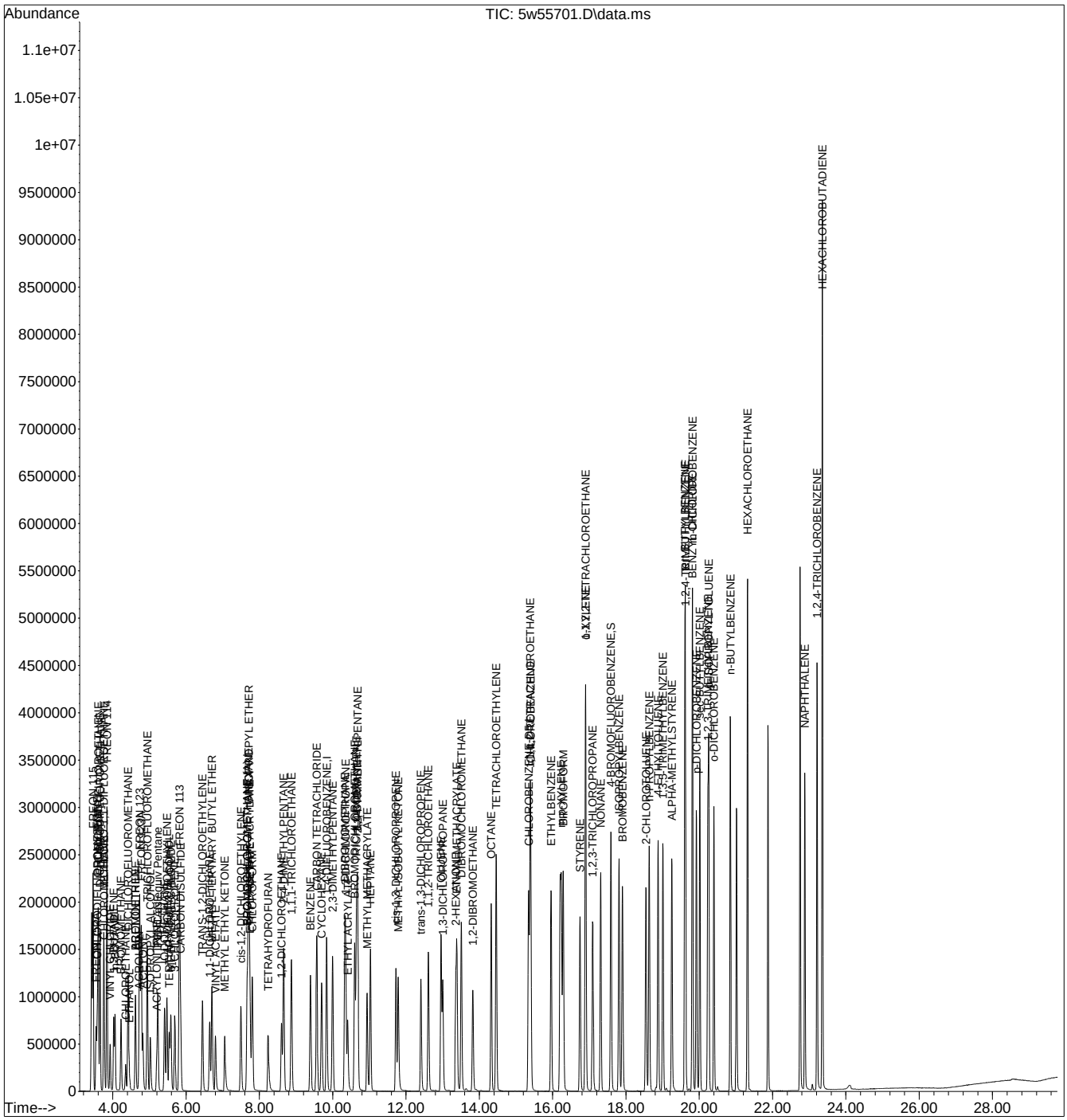
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	319491	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1462454	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	906713	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	319491	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1005252	9.91	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.10%				
Target Compounds							Qvalue
2) FREON 115	3.454	119	523028	11.9594	PPBV		88
3) FREON 152A	3.533	65	278056	11.7633	PPBV		93
4) CHLORODIFLUOROMETHANE	3.564	67	155658	12.6999	PPBV		95
5) CHLOROTRIFLUOROETHENE	3.595	116	549136	9.9265	PPBV		97
6) DICHLORODIFLUOROMETHANE	3.644	85	1386093	11.8718	PPBV		99
7) PROPYLENE	3.588	41	355035	12.0736	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.748	65	1414411	11.8298	PPBV		98
9) FREON 114	3.833	85	1603406	11.1958	PPBV		95
10) CHLOROMETHANE	3.760	52	152620	10.1366	PPBV		100
11) VINYL CHLORIDE	3.919	62	535334	10.0970	PPBV		98
12) 1,3-BUTADIENE	4.017	54	348917	9.8064	PPBV	#	83
13) n-BUTANE	4.053	43	718682	10.5294	PPBV		97
14) BROMOMETHANE	4.219	94	516272	9.2410	PPBV		99
15) CHLOROETHANE	4.347	64	224643	9.2721	PPBV		95
16) DICHLOROFLUOROMETHANE	4.408	67	1207581	10.0834	PPBV		97
17) ACETONITRILE	4.610	41	384779	9.7597	PPBV		98
18) ACROLEIN	4.702	56	172931	10.0447	PPBV		99
19) FREON 123	4.726	83	1196430	9.9263	PPBV		99
20) FREON 123A	4.763	117	630011	9.8302	PPBV		88
21) TRICHLOROFLUOROMETHANE	4.934	101	1229725	11.3973	PPBV		99
22) ISOPROPYL ALCOHOL	5.014	45	763115	11.1627	PPBV		97
23) ACETONE	4.812	58	190310	7.3855	PPBV	#	73
24) PENTANE	5.222	42	395773	11.6539	PPBV		95
25) IODOMETHANE	5.405	142	1000997	11.1209	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.473	96	389796	11.6561	PPBV		90
27) CARBON DISULFIDE	5.840	76	1221179	12.6219	PPBV		97
28) ETHANOL	4.445	45	240425	9.5959	PPBV		98
29) BROMOETHENE	4.610	106	479535	10.0759	PPBV		97
30) ACRYLONITRILE	5.191	52	233936	8.7395	PPBV		99
31) METHYLENE CHLORIDE	5.577	84	372212	11.1075	PPBV		94
32) 3-CHLOROPROPENE	5.681	76	197475	12.7801	PPBV	#	86
33) FREON 113	5.809	151	716925	12.8946	PPBV		91
34) TRANS-1,2-DICHLOROETHY...	6.439	96	404836	11.4559	PPBV		94
35) TERTIARY BUTYL ALCOHOL	5.534	59	802450	12.4782	PPBV		95
36) METHYL TERTIARY BUTYL ...	6.702	73	1222293	13.4943	PPBV		97
37) TETRAHYDROFURAN	8.232	72	194280	14.0116	PPBV		92
38) HEXANE	7.693	57	631896	12.6230	PPBV		89
39) VINYL ACETATE	6.800	86	72188	12.6164	PPBV	#	74
40) 1,1-DICHLOROETHANE	6.641	63	803245	12.2299	PPBV		98
41) METHYL ETHYL KETONE	7.045	72	200051	14.4352	PPBV	#	76
42) cis-1,2-DICHLOROETHYLENE	7.492	96	434125	11.8391	PPBV		93
43) DIISOPROPYL ETHER	7.706	59	192063	12.6306	PPBV	#	83
44) ETHYL ACETATE	7.736	61	147247	14.4032	PPBV	#	38
45) METHYL ACRYLATE	7.724	55	811813	13.3399	PPBV		98
46) CHLOROFORM	7.804	83	1037123	12.6453	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.654	57	720377	13.1585	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.868	97	1037001	12.4523	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1093220	12.4209	PPBV		99
50)	1,2-DICHLOROETHANE	8.599	62	736647	13.8089	PPBV		98
52)	BENZENE	9.394	78	1307486	12.3347	PPBV		99
53)	CYCLOHEXANE	9.694	84	503829	12.6532	PPBV		98
54)	2,3-DIMETHYLPENTANE	9.994	71	275093	12.7962	PPBV		100
55)	TRICHLOROETHYLENE	10.648	95	626809	11.2165	PPBV		93
56)	1,2-DICHLOROPROPANE	10.355	63	506804	11.2641	PPBV		97
57)	DIBROMOMETHANE	10.330	174	714172	13.0552	PPBV		86
58)	ETHYL ACRYLATE	10.404	55	1004441	14.1520	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1210939	12.4090	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1992264	12.3767	PPBV		98
61)	1,4-DIOXANE	10.667	88	295490	11.9703	PPBV	#	88
62)	HEPTANE	11.021	43	764169	13.5917	PPBV		94
63)	METHYL METHACRYLATE	10.930	69	482843	13.7017	PPBV		92
64)	METHYL ISOBUTYL KETONE	11.786	58	392461	13.1014	PPBV	#	83
65)	cis-1,3-DICHLOROPROPENE	11.725	75	895059	13.0954	PPBV		92
66)	TOLUENE	12.955	92	853406	11.5104	PPBV		98
67)	1,3-DICHLOROPROPANE	13.004	76	799011	12.2496	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	820148	13.0368	PPBV		94
69)	1,1,2-TRICHLOROETHANE	12.606	83	531421	11.8651	PPBV		95
71)	2-HEXANONE	13.352	58	565228	13.2145	PPBV		82
72)	ETHYL METHACRYLATE	13.383	69	832567	13.2939	PPBV		93
73)	TETRACHLOROETHYLENE	14.460	164	713567	12.0486	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1064490	11.0538	PPBV		99
75)	1,2-DIBROMOETHANE	13.817	107	904377	11.3254	PPBV		100
76)	OCTANE	14.325	43	1098704	13.7958	PPBV		94
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	683441	10.2786	PPBV		90
78)	CHLOROBENZENE	15.402	112	1173195	10.0509	PPBV		94
79)	ETHYLBENZENE	15.952	91	1995933	11.9399	PPBV		97
80)	m,p-XYLENE	16.228	106	1397327	22.0296	PPBV		92
81)	o-XYLENE	16.894	106	689056	11.1913	PPBV		92
82)	STYRENE	16.748	104	1070082	12.1172	PPBV		96
83)	NONANE	17.304	43	1142765	13.7498	PPBV		97
84)	BROMOFORM	16.289	173	1447121	14.6874	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1420053	11.4742	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	999791	11.1883	PPBV		94
88)	ISOPROPYLBENZENE	17.812	105	2005084	10.5243	PPBV		96
89)	BROMOBENZENE	17.904	77	1178775	10.9547	PPBV		99
90)	2-CHLOROTOLUENE	18.546	126	478616	10.0267	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	512163	10.6039	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	2023010	11.5050	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1692790	11.2647	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.256	118	799215	9.8526	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	342490	10.4388	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1839909	11.6695	PPBV		98
97)	m-DICHLOROBENZENE	19.813	146	1324406	10.6681	PPBV		99
98)	BENZYL CHLORIDE	19.807	91	1867818	11.0371	PPBV		96
99)	p-DICHLOROBENZENE	19.917	146	1270477	10.9612	PPBV		99
100)	sec-BUTYLBENZENE	20.015	134	402854	10.2912	PPBV	#	85
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1789023	11.1722	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.259	134	473759	10.2976	PPBV		95
103)	o-DICHLOROBENZENE	20.400	146	1198677	10.6362	PPBV		98
104)	n-BUTYLBENZENE	20.853	134	451413	10.6664	PPBV	#	76
105)	HEXACHLOROETHANE	21.318	117	916453	11.6169	PPBV	#	83
106)	HEXACHLOROBUTADIENE	23.361	225	1608418	15.1702	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1301197	12.9582	PPBV		96
108)	NAPHTHALENE	22.878	128	2226962	10.1034	PPBV		100
110)	TVHC as equiv Pentane	5.222	TIC	2569000	10.2713	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

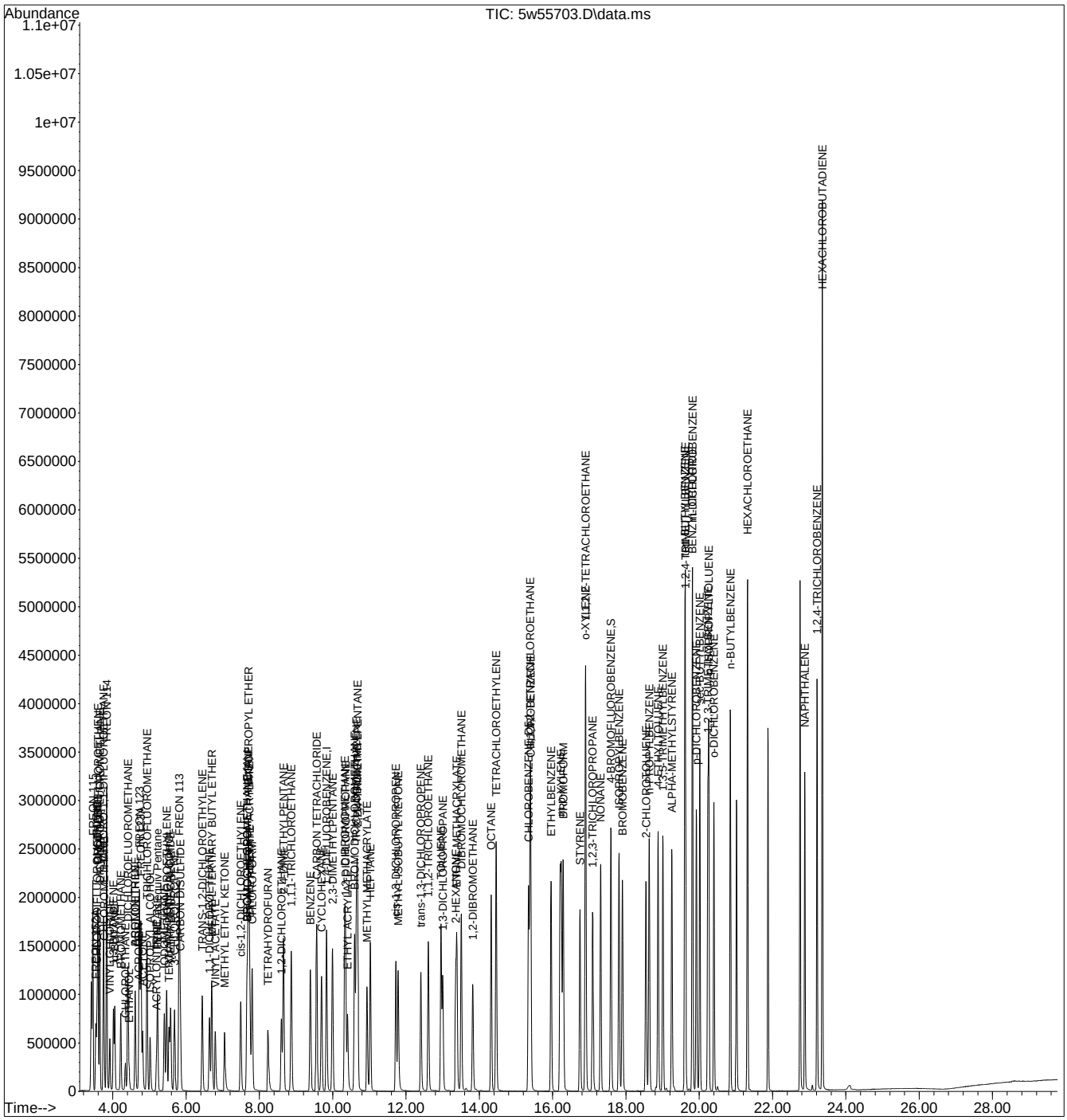
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/08/25 23:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11588.D
Acq On : 8 Jan 2025 3:57 pm
Operator : benk
Sample : je3433-3dup Inst : MS7W
Misc : MS88599,v7w415,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 09 03:55:31 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

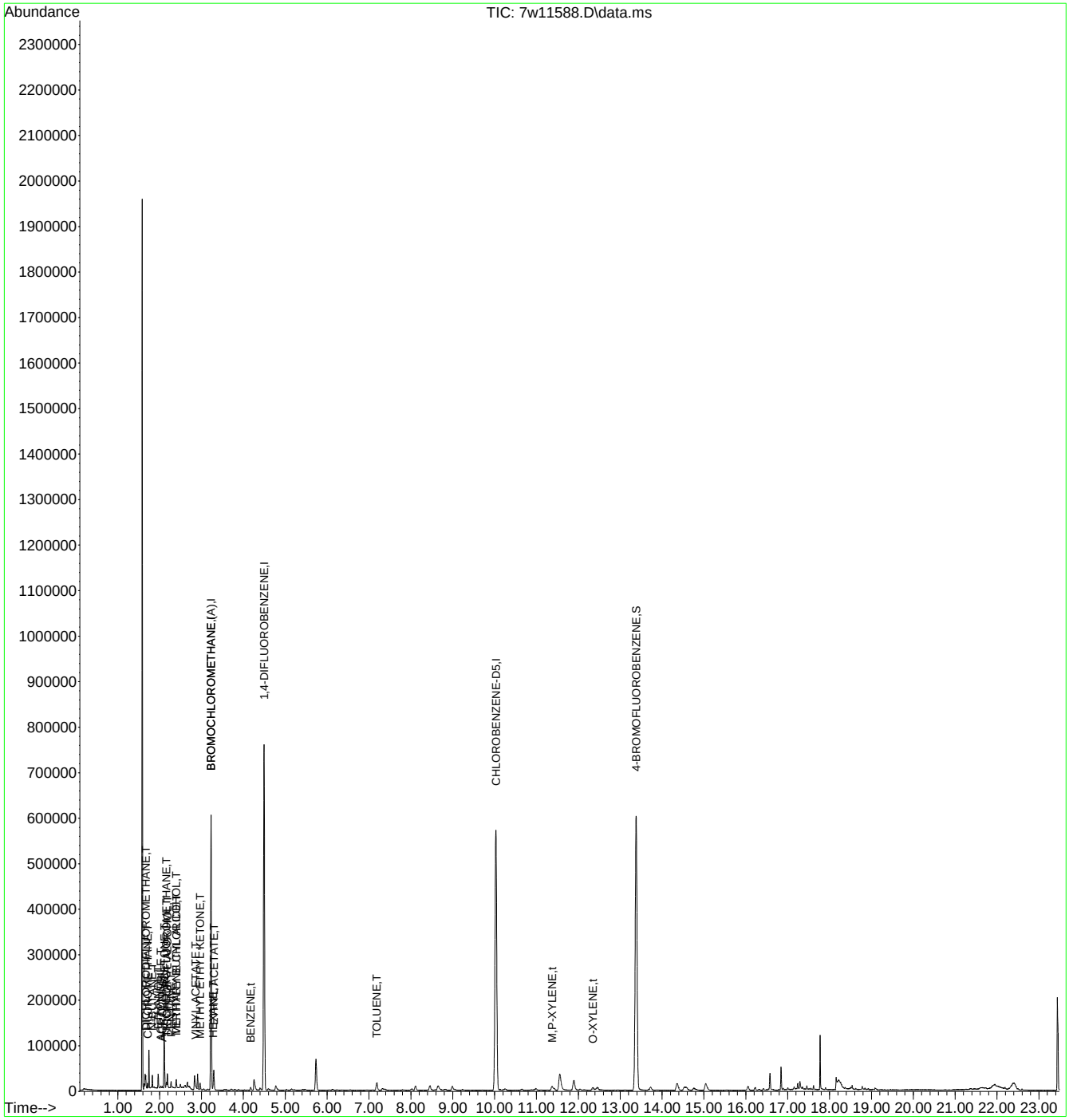
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	111063	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	543160	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	515473	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	111063	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.380	95	385777	10.31	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.666	85	11009	0.3976	PPBV #	94
10) CHLOROMETHANE	1.711	52	1866	0.6491	PPBV	95
13) N-BUTANE	1.824	43	12305	0.8543	PPBV #	89
17) ACETONITRILE	2.026	41	2455m	0.2750	PPBV	
18) ACROLEIN	2.065	56	1737	0.3705	PPBV	79
21) TRICHLOROFLUOROMETHANE	2.158	101	5224	0.2142	PPBV	97
22) ISOPROPYL ALCOHOL	2.184	45	21081	1.0246	PPBV	99
23) ACETONE	2.110	58	37099	5.7492	PPBV #	29
24) PENTANE	2.271	42	3224	0.3262	PPBV	93
28) ETHANOL	1.965	45	17173	3.0490	PPBV	100
31) METHYLENE CHLORIDE	2.399	84	2787	0.3170	PPBV	90
35) TERTIARY BUTYL ALCOHOL	2.393	59	4170	0.1762	PPBV #	43
38) HEXANE	3.277	57	3052	0.1669	PPBV	82
39) VINYL ACETATE	2.856	86	1191	0.4389	PPBV	90
41) METHYL ETHYL KETONE	2.968	72	2912	0.5902	PPBV	99
44) ETHYL ACETATE	3.293	61	4963	1.4161	PPBV #	1
51) BENZENE	4.174	78	4693	0.1582	PPBV	96
66) TOLUENE	7.184	91	16308	0.4249	PPBV	99
80) M,P-XYLENE	11.373	91	9512	0.2390	PPBV #	58
81) O-XYLENE	12.347	91	3961	0.0991	PPBV #	84

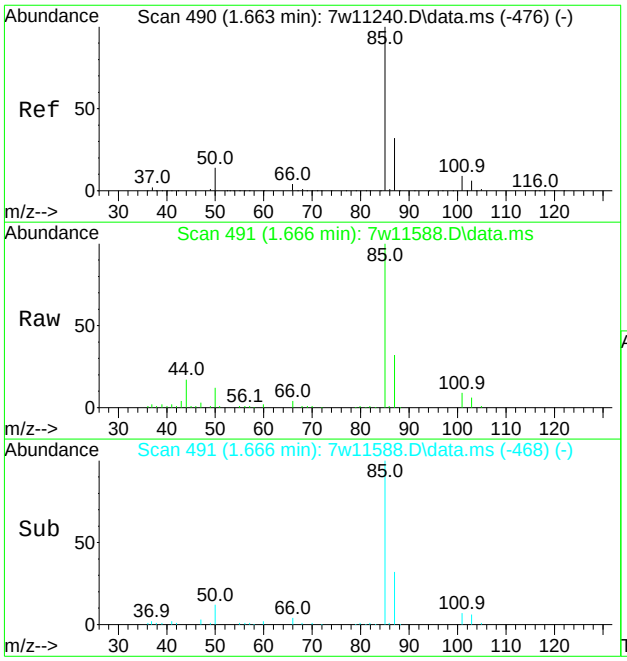
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11588.D
Acq On : 8 Jan 2025 3:57 pm
Operator : benk
Sample : je3433-3dup Inst : MS7W
Misc : MS88599,v7w415,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 09 03:55:31 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

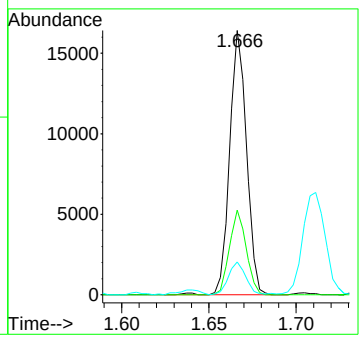


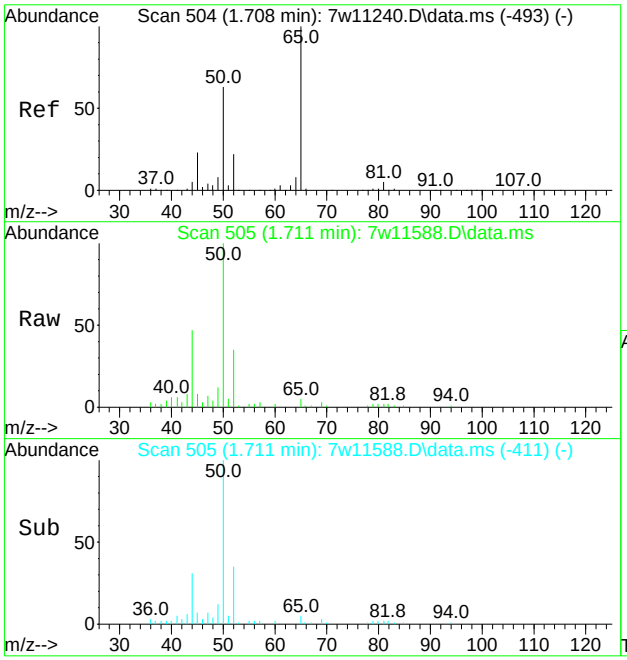


#6
DICHLORODIFLUOROMETHANE
Concen: 0.3976 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 85 Resp: 11009

Ion	Ratio	Lower	Upper
85	100		
87	31.8	22.5	41.7
50	12.8	13.8	25.6#

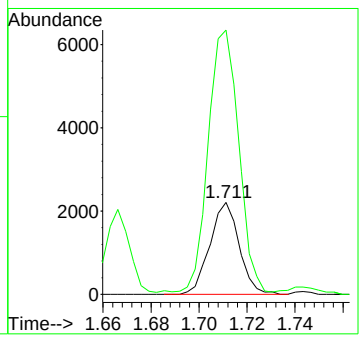


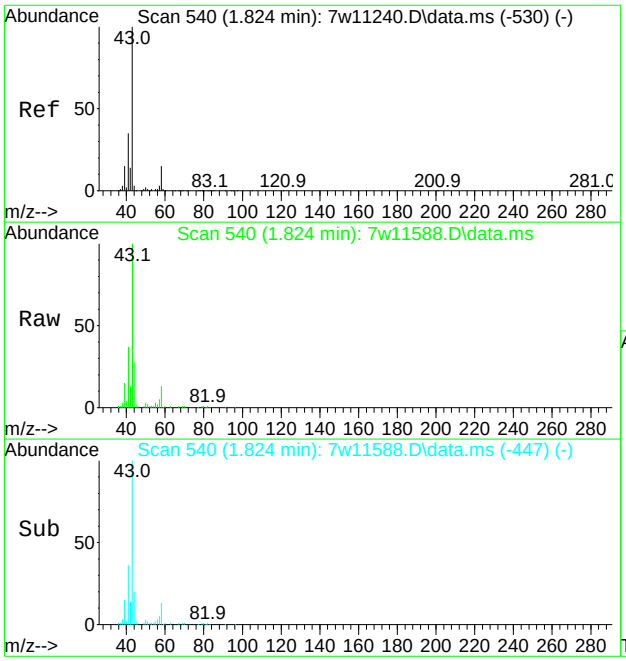


#10
CHLOROMETHANE
Concen: 0.6491 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 52 Resp: 1866

Ion	Ratio	Lower	Upper
52	100		
50	303.6	220.1	408.8

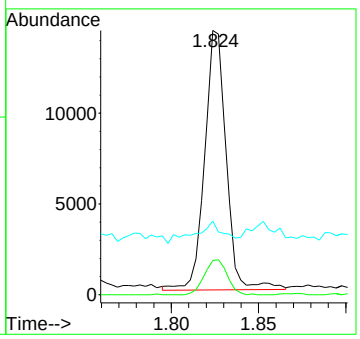


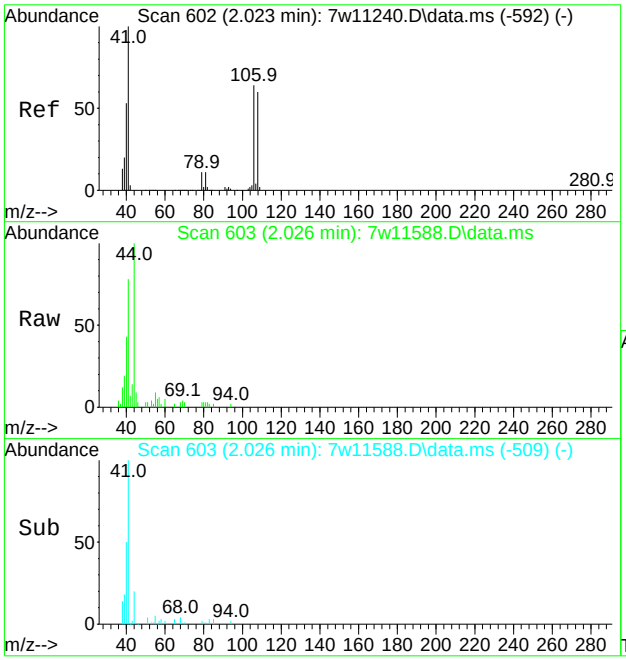


#13
N-BUTANE
Concen: 0.8543 PPBV
RT: 1.824 min Scan# 540
Delta R.T. -0.000 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 43 Resp: 12305

Ion	Ratio	Lower	Upper
43	100		
58	14.3	10.4	19.2
44	19.3	3.0	5.6#

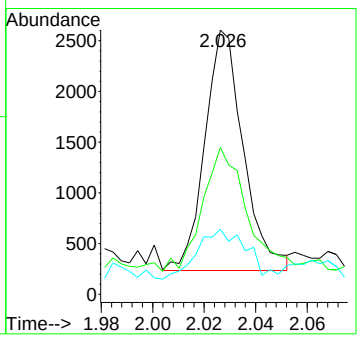


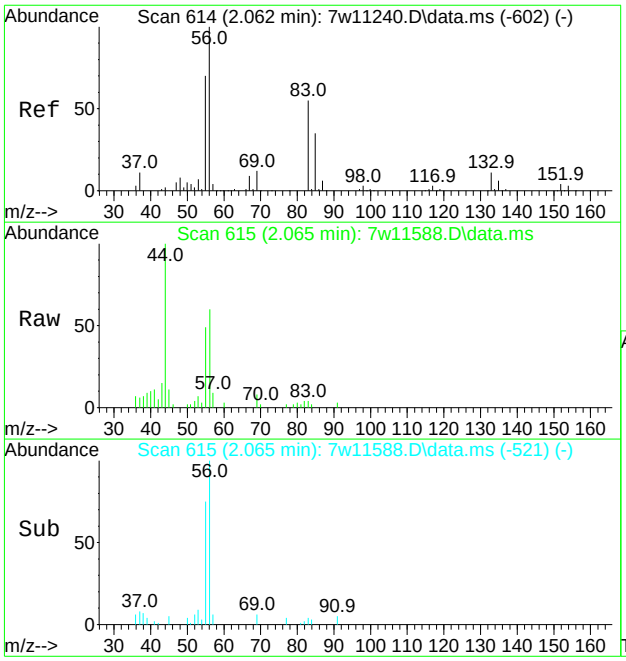


#17
ACETONITRILE
Concen: 0.2750 PPBV m
RT: 2.026 min Scan# 603
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 41 Resp: 2455

Ion	Ratio	Lower	Upper
41	100		
40	11.9	37.9	70.5#
39	4.0	13.8	25.6#

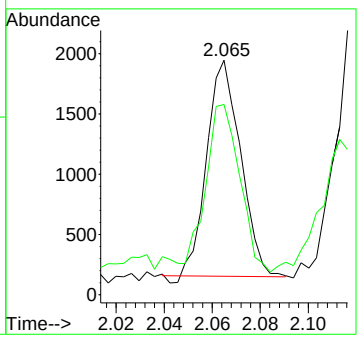


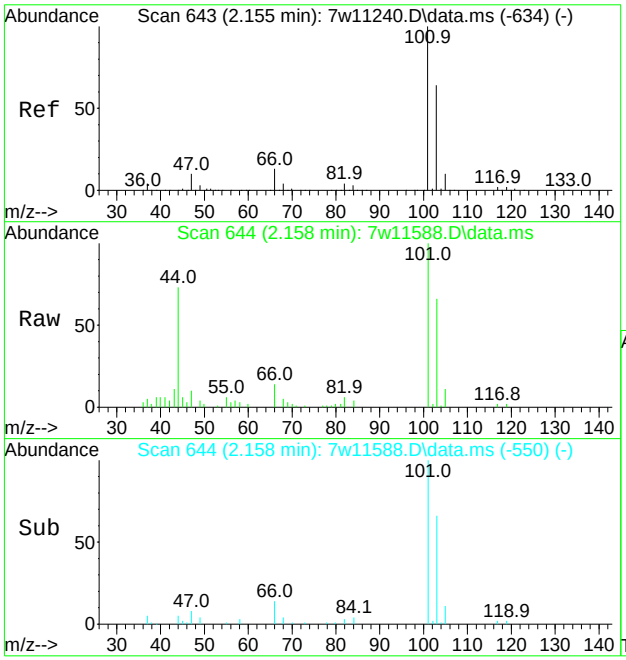


#18
ACROLEIN
Concen: 0.3705 PPBV
RT: 2.065 min Scan# 615
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 56 Resp: 1737

Ion	Ratio	Lower	Upper
56	100		
55	89.2	50.3	93.3

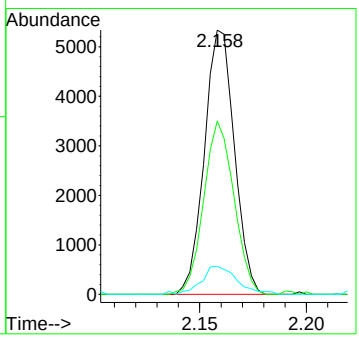


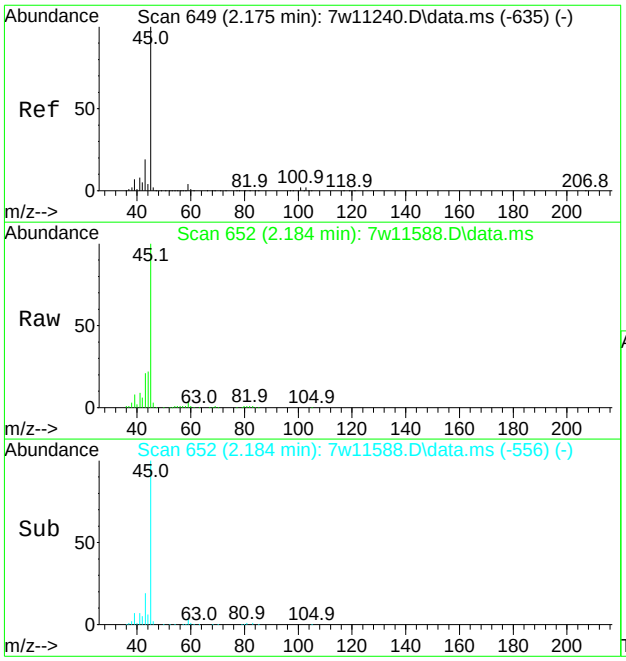


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2142 PPBV
RT: 2.158 min Scan# 644
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion:101 Resp: 5224

Ion	Ratio	Lower	Upper
101	100		
103	66.5	44.9	83.5
105	12.7	7.3	13.5

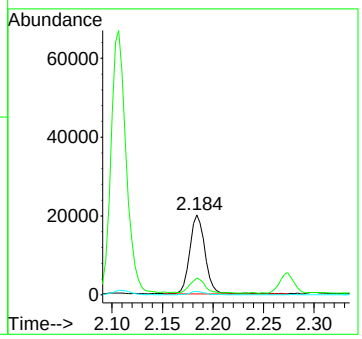


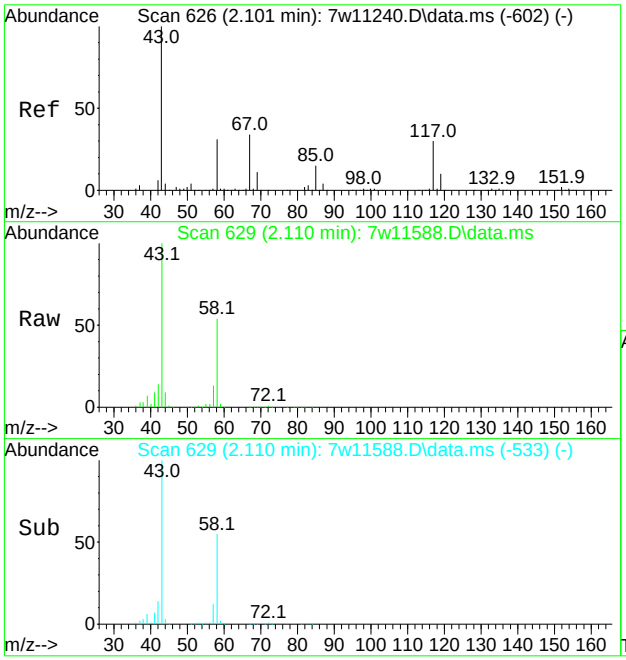


#22
ISOPROPYL ALCOHOL
Concen: 1.0246 PPBV
RT: 2.184 min Scan# 652
Delta R.T. 0.009 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 45 Resp: 21081

Ion	Ratio	Lower	Upper
45	100		
43	20.2	13.9	25.9
59	4.4	2.8	5.2

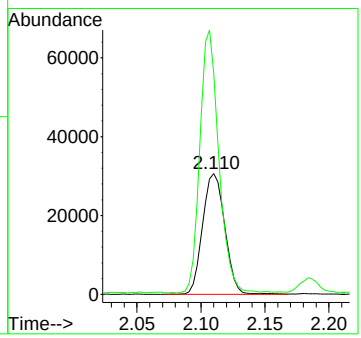


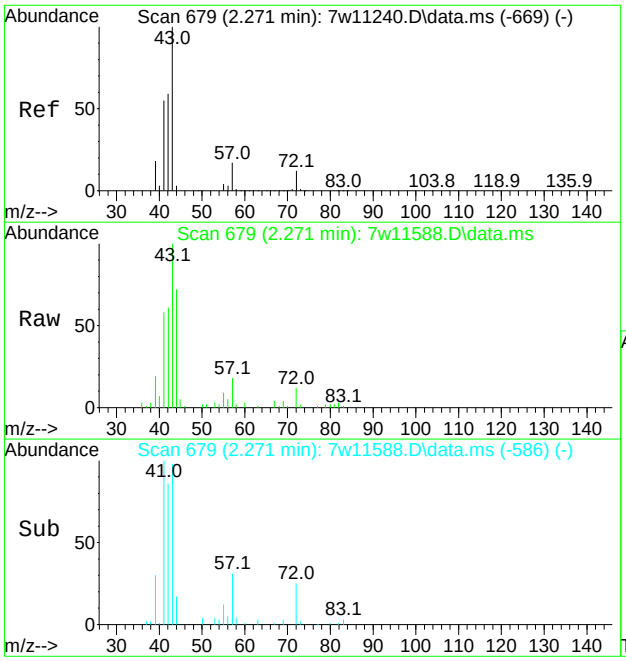


#23
ACETONE
Concen: 5.7492 PPBV
RT: 2.110 min Scan# 629
Delta R.T. 0.009 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 58 Resp: 37099

Ion	Ratio	Lower	Upper
58	100		
43	185.5	234.4	435.2#

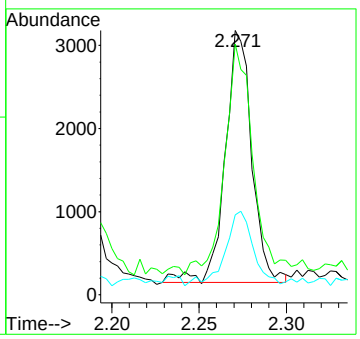


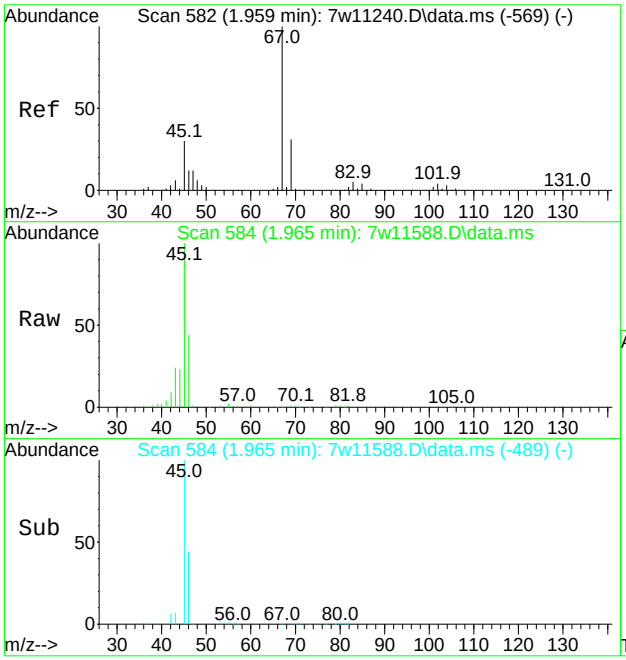


#24
PENTANE
Concen: 0.3262 PPBV
RT: 2.271 min Scan# 679
Delta R.T. -0.000 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 42 Resp: 3224

Ion	Ratio	Lower	Upper
42	100		
41	98.3	64.8	120.3
57	33.3	19.7	36.7

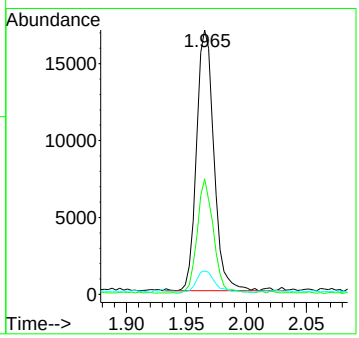


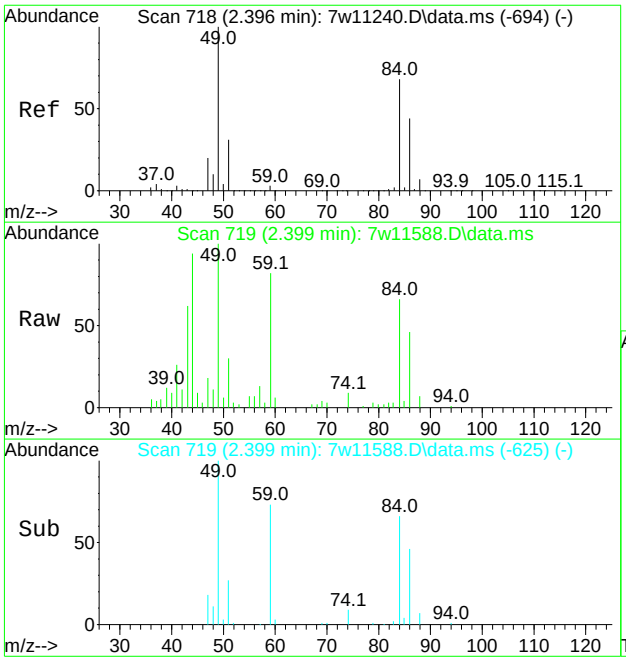


#28
ETHANOL
Concen: 3.0490 PPBV
RT: 1.965 min Scan# 584
Delta R.T. 0.006 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 45 Resp: 17173

Ion	Ratio	Lower	Upper
45	100		
46	40.8	28.6	53.0
42	9.0	6.3	11.7

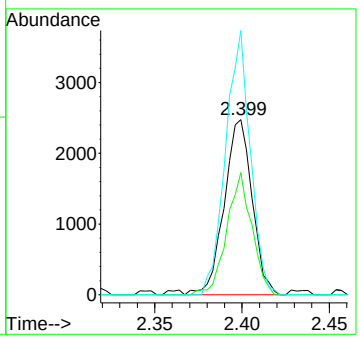


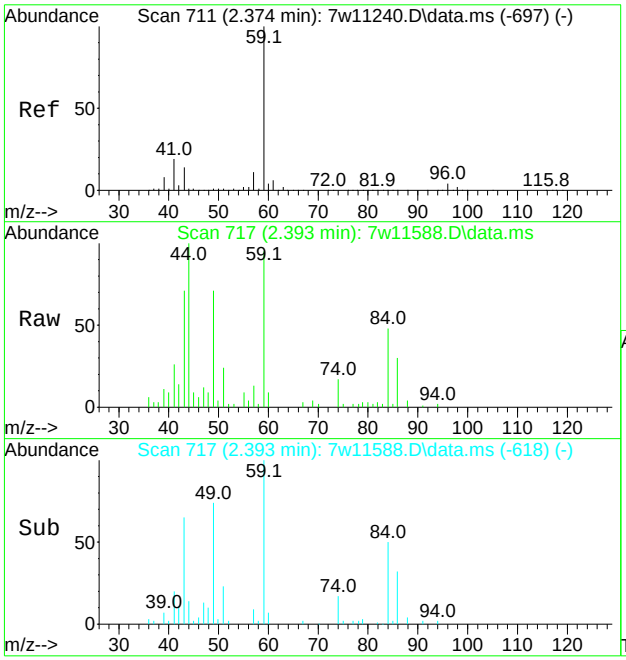


#31
METHYLENE CHLORIDE
Concen: 0.3170 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 84 Resp: 2787

Ion	Ratio	Lower	Upper
84	100		
86	61.9	46.0	85.4
49	132.3	103.9	192.9

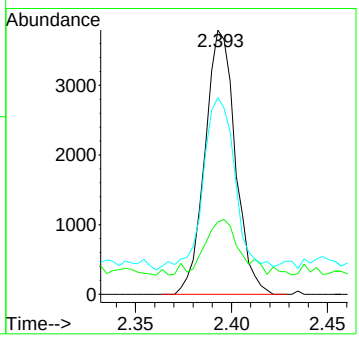


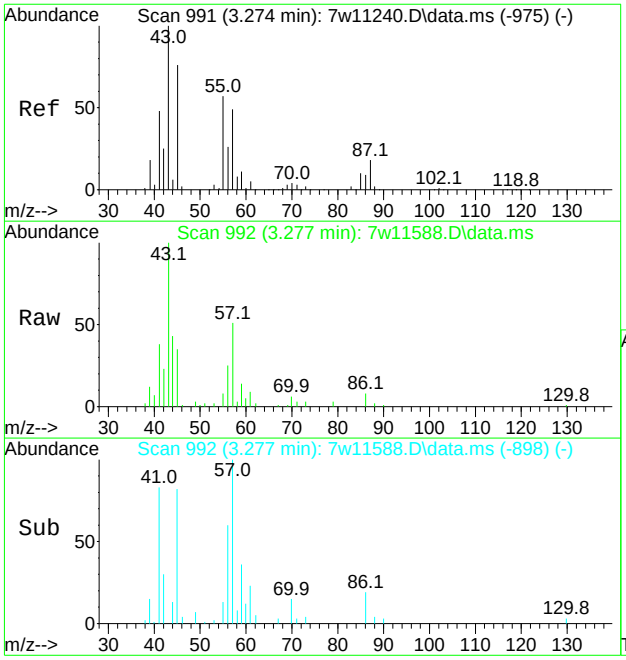


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.1762 PPBV
RT: 2.393 min Scan# 717
Delta R.T. 0.019 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 59 Resp: 4170

Ion	Ratio	Lower	Upper
59	100		
41	25.8	14.3	26.5
43	64.0	9.9	18.5#

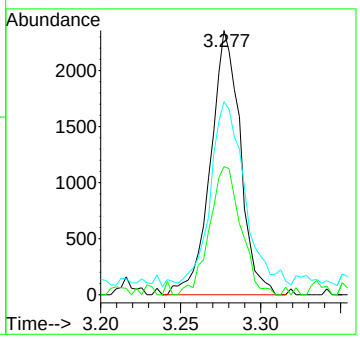


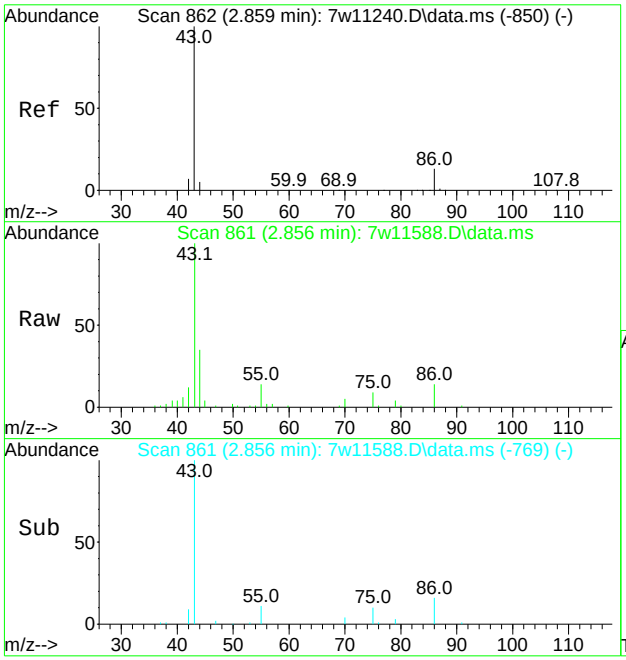


#38
HEXANE
Concen: 0.1669 PPBV
RT: 3.277 min Scan# 992
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 57 Resp: 3052

Ion	Ratio	Lower	Upper
57	100		
56	51.3	37.8	70.2
41	81.6	75.9	140.9

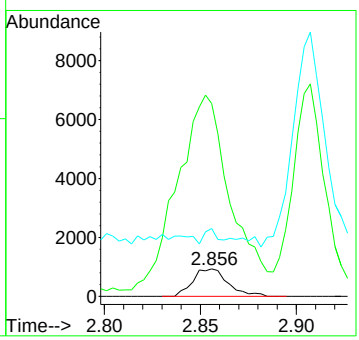


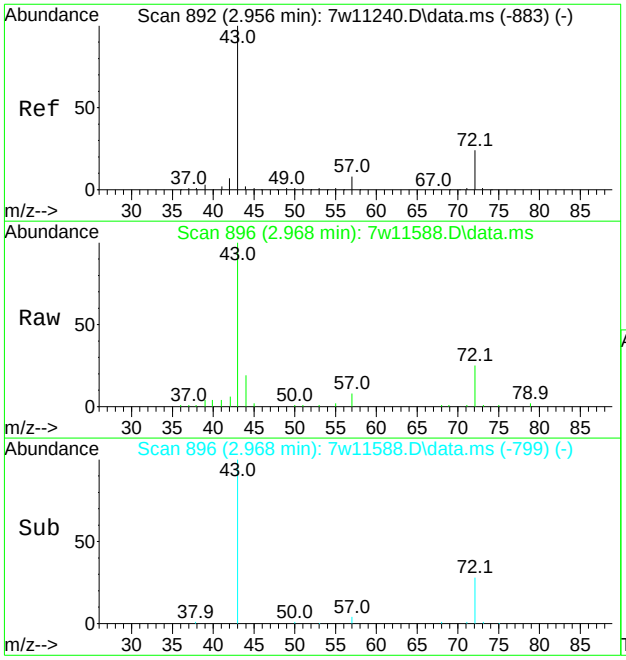


#39
VINYL ACETATE
Concen: 0.4389 PPBV
RT: 2.856 min Scan# 861
Delta R.T. -0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 86 Resp: 1191

Ion	Ratio	Lower	Upper
86	100		
43	1075.1	719.4	1336.0
44	48.9	34.6	64.2

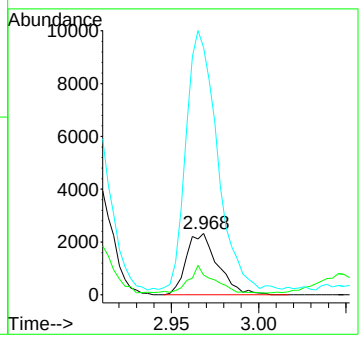


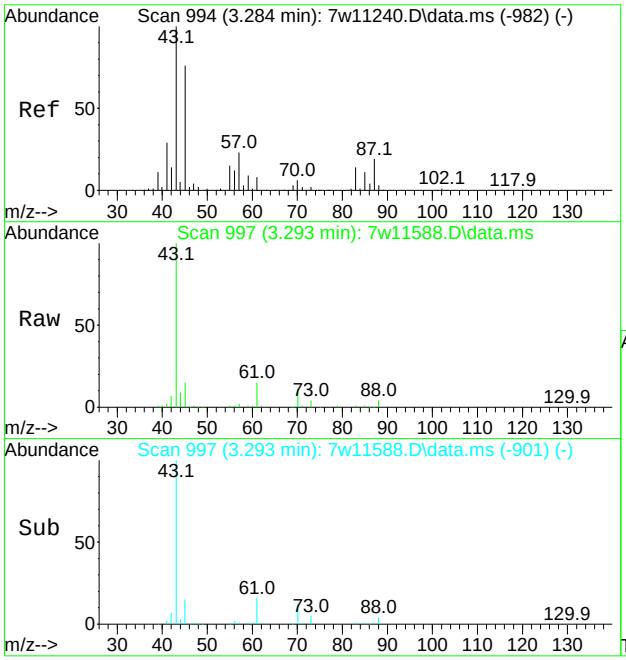


#41
METHYL ETHYL KETONE
Concen: 0.5902 PPBV
RT: 2.968 min Scan# 896
Delta R.T. 0.012 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 72 Resp: 2912

Ion	Ratio	Lower	Upper
72	100		
57	43.2	25.3	46.9
43	429.4	299.6	556.4

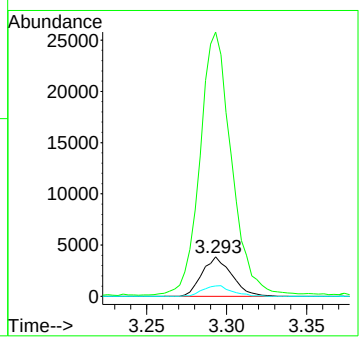


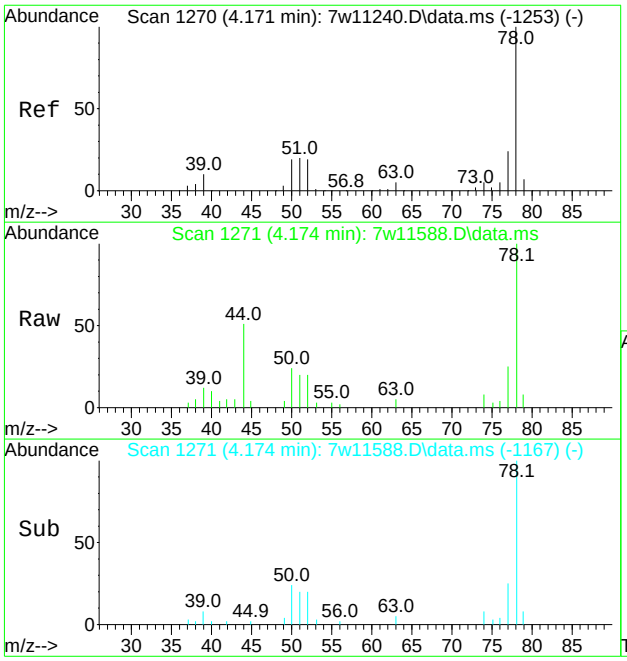


#44
ETHYL ACETATE
Concen: 1.4161 PPBV
RT: 3.293 min Scan# 997
Delta R.T. 0.009 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 61 Resp: 4963

Ion	Ratio	Lower	Upper
61	100		
43	708.0	1005.1	1866.5#
88	26.9	29.3	54.5#

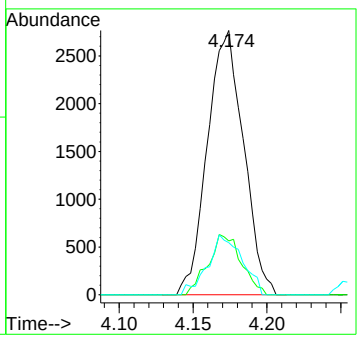


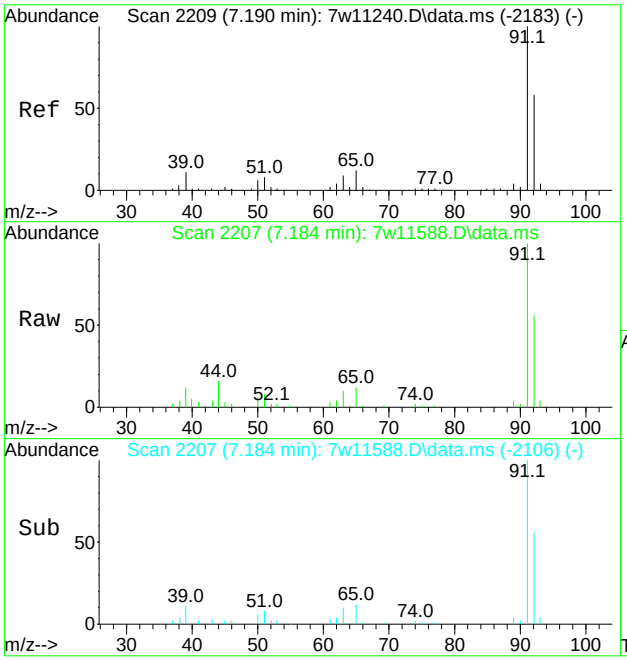


#51
BENZENE
Concen: 0.1582 PPBV
RT: 4.174 min Scan# 1271
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 78 Resp: 4693

Ion	Ratio	Lower	Upper
78	100		
52	20.9	0.0	48.9
51	21.4	0.0	50.2

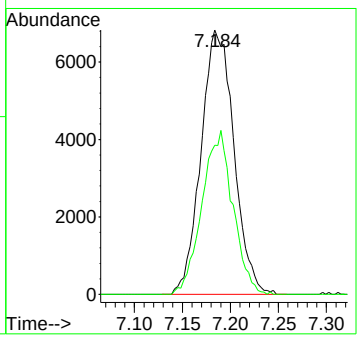


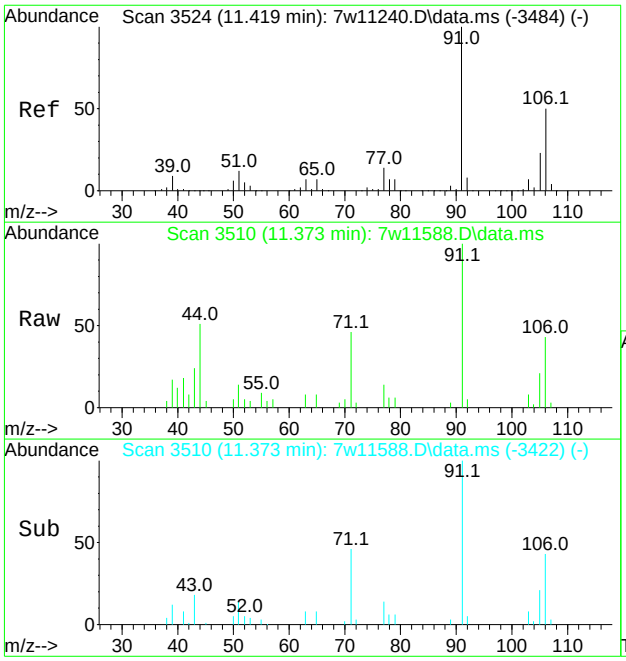


#66
TOLUENE
Concen: 0.4249 PPBV
RT: 7.184 min Scan# 2207
Delta R.T. -0.006 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 91 Resp: 16308

Ion	Ratio	Lower	Upper
91	100		
92	58.1	29.0	89.0

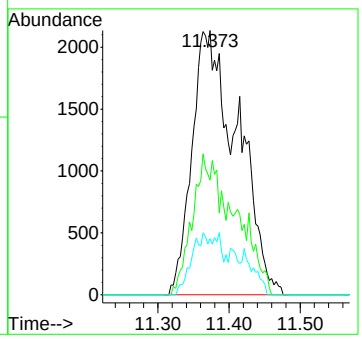


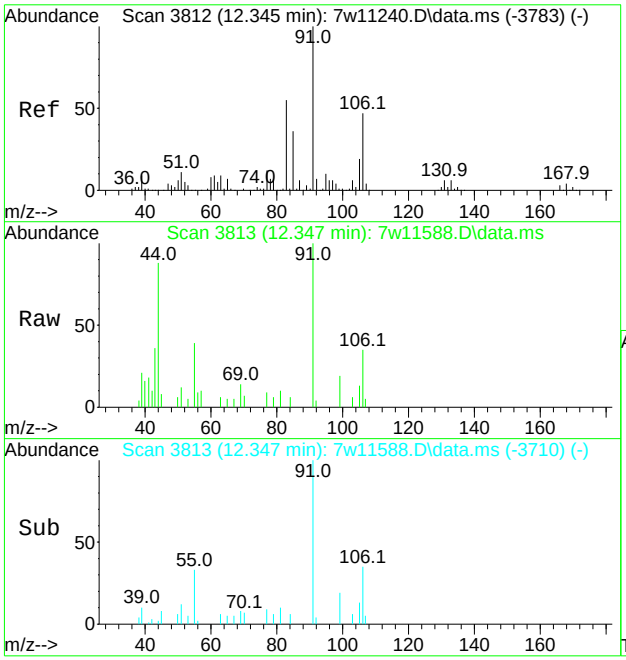


#80
M,P-XYLENE
Concen: 0.2390 PPBV
RT: 11.373 min Scan# 3510
Delta R.T. -0.046 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 91 Resp: 9512

Ion	Ratio	Lower	Upper
91	100		
106	49.4	0.0	55.5
105	0.0	0.0	41.7

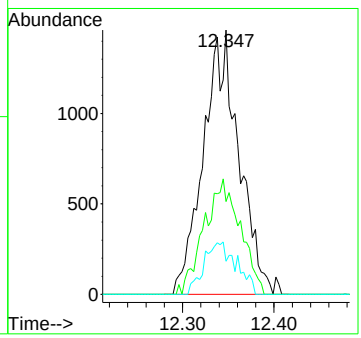




#81
O-XYLENE
Concen: 0.0991 PPBV
RT: 12.347 min Scan# 3813
Delta R.T. 0.002 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 91 Resp: 3961

Ion	Ratio	Lower	Upper
91	100		
106	35.1	32.7	60.7
105	12.5	13.2	24.6#



Manual Integration Approval Summary

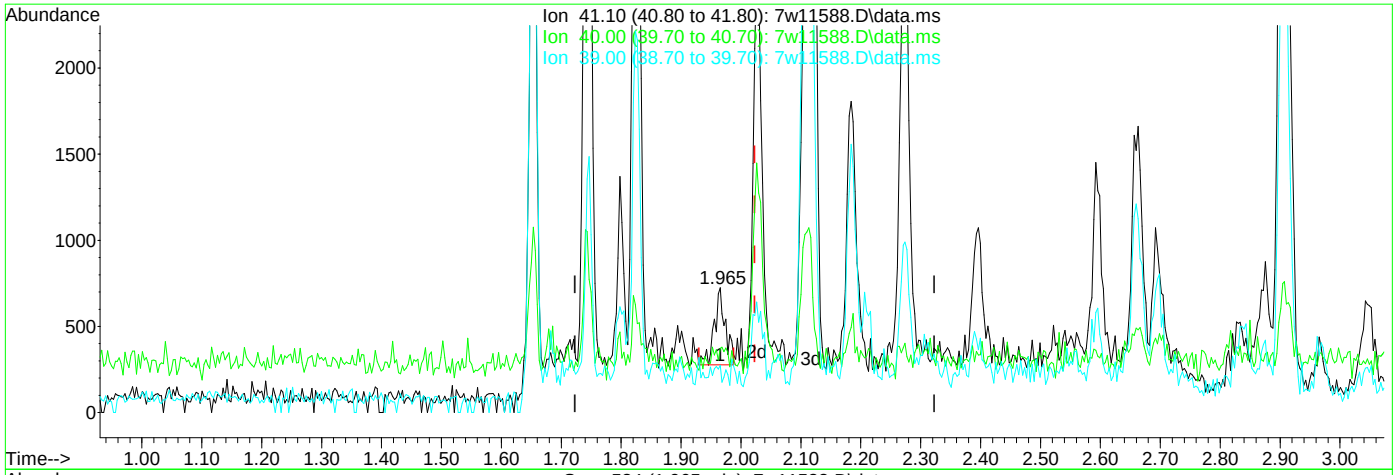
Sample Number:	JE3433-3DUP	**Method:**	TO-15
Lab FileID:	7W11588.D	**Analyst approved:**	01/08/25 22:58 Kristel Valladolid
Injection Time:	01/08/25 15:57	**Supervisor approved:**	01/08/25 23:36 Kanya Veerawat

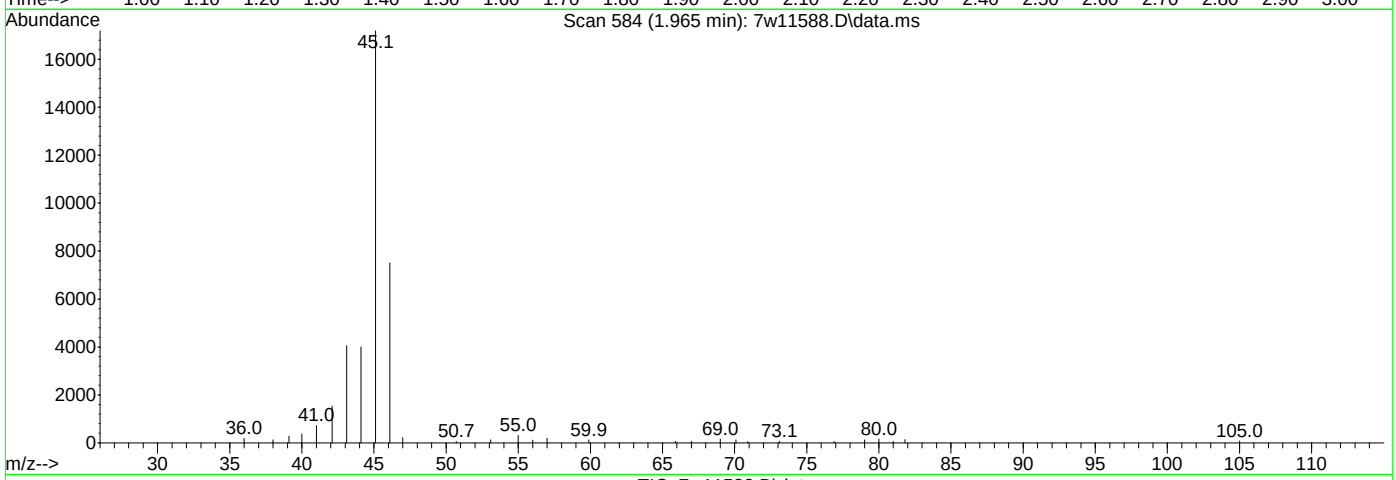
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		2.03	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11588.D
Acq On : 8 Jan 2025 3:57 pm
Operator : benk
Sample : je34331-3dup Inst : MS7W
Misc : MS88599,v7w415,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 09 02:46:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration





TIC: 7w11588.D\data.ms

(17) ACETONITRILE (T)

1.965min (-0.058) 0.07PPBV

response 582

Ion	Exp%	Act%
41.10	100	100
40.00	54.20	50.34
39.00	19.70	16.67
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\10 Jan 2025\v7w416\
Data File : 7w11618.D
Acq On : 9 Jan 2025 1:36 pm
Operator : benk
Sample : je3196-3dup Inst : MS7W
Misc : MS88474,v7w416,400,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 23:52:53 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

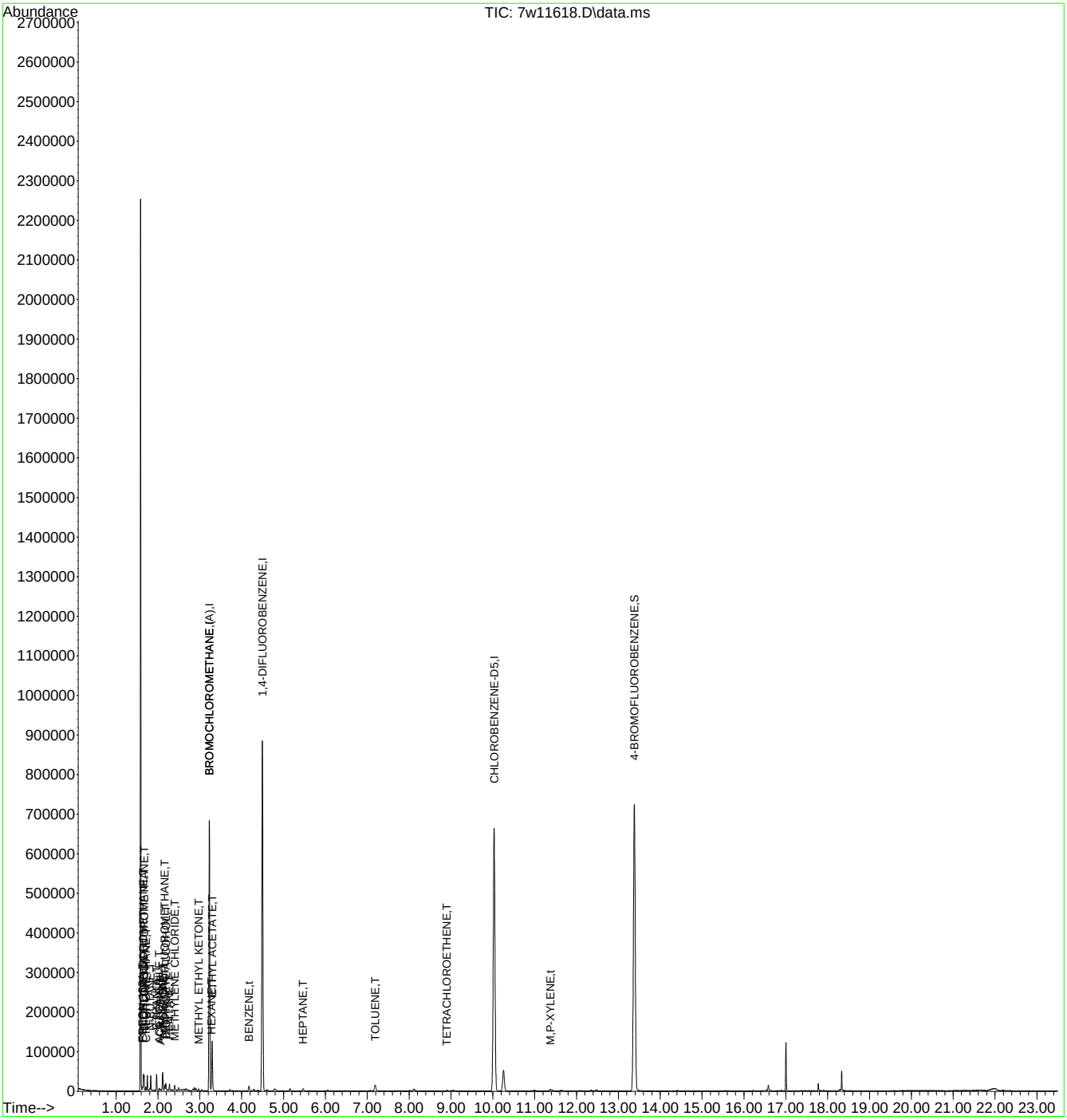
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	137657	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	664015	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.029	117	621483	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	137657	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.380	95	449351	9.96	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.628	65	1954	0.2981	PPBV		100
4) CHLORODIFLUOROMETHANE	1.641	67	801	0.2407	PPBV	#	61
6) DICHLORODIFLUOROMETHANE	1.666	85	14192	0.4135	PPBV	#	93
10) CHLOROMETHANE	1.711	52	1360	0.3817	PPBV		97
13) N-BUTANE	1.827	43	14818	0.8300	PPBV	#	95
17) ACETONITRILE	2.030	41	3212	0.2903	PPBV	#	95
18) ACROLEIN	2.065	56	839	0.1444	PPBV		88
21) TRICHLOROFLUOROMETHANE	2.161	101	6382	0.2111	PPBV		98
22) ISOPROPYL ALCOHOL	2.187	45	11497	0.4508	PPBV		96
23) ACETONE	2.110	58	8672	1.0843	PPBV		86
24) PENTANE	2.274	42	3751	0.3062	PPBV		95
28) ETHANOL	1.965	45	23059	3.3031	PPBV		99
31) METHYLENE CHLORIDE	2.399	84	2631	0.2415	PPBV		87
38) HEXANE	3.277	57	4325	0.1908	PPBV		93
41) METHYL ETHYL KETONE	2.972	72	1167	0.1908	PPBV		89
44) ETHYL ACETATE	3.293	61	14527	3.3443	PPBV	#	1
51) BENZENE	4.171	78	9168	0.2494	PPBV		98
62) HEPTANE	5.464	43	5036	0.2244	PPBV	#	43
66) TOLUENE	7.190	91	14520	0.3095	PPBV		100
72) TETRACHLOROETHENE	8.898	164	746	0.0420	PPBV		92
80) M,P-XYLENE	11.377	91	6401	0.1334	PPBV		60

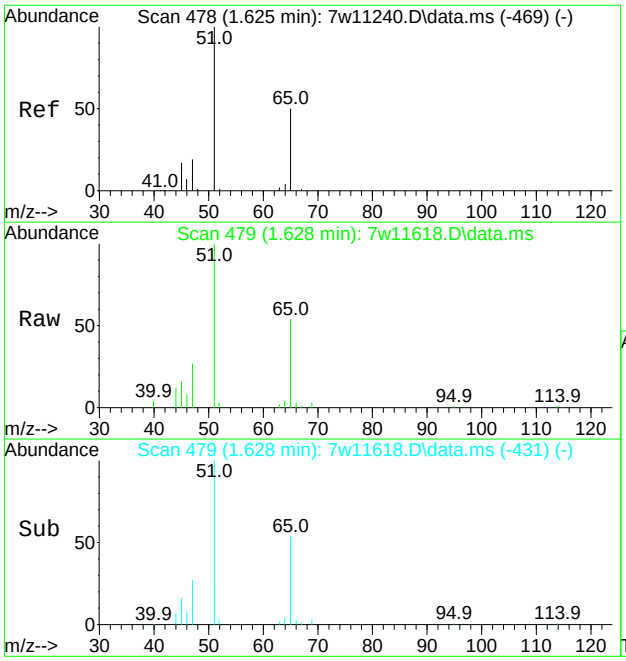
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\10 Jan 2025\v7w416\
Data File : 7w11618.D
Acq On : 9 Jan 2025 1:36 pm
Operator : benk
Sample : je3196-3dup Inst : MS7W
Misc : MS88474,v7w416,400,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 23:52:53 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

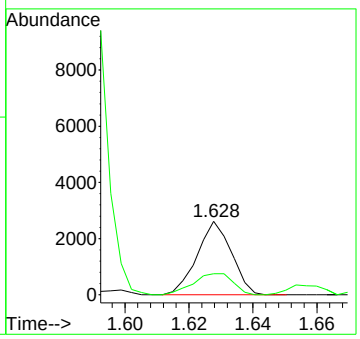


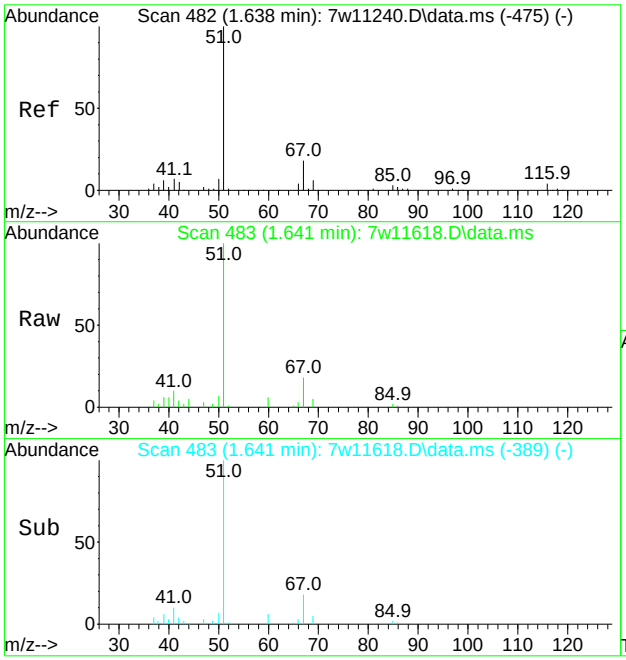


#3
FREON 152A
Concen: 0.2981 PPBV
RT: 1.628 min Scan# 479
Delta R.T. 0.003 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 65 Resp: 1954

Ion	Ratio	Lower	Upper
65	100		
45	33.6	23.5	43.7

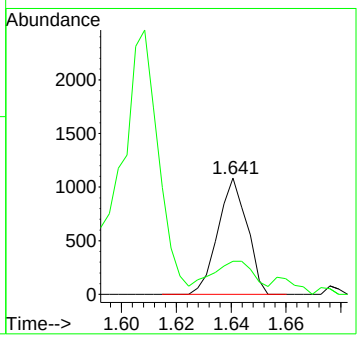


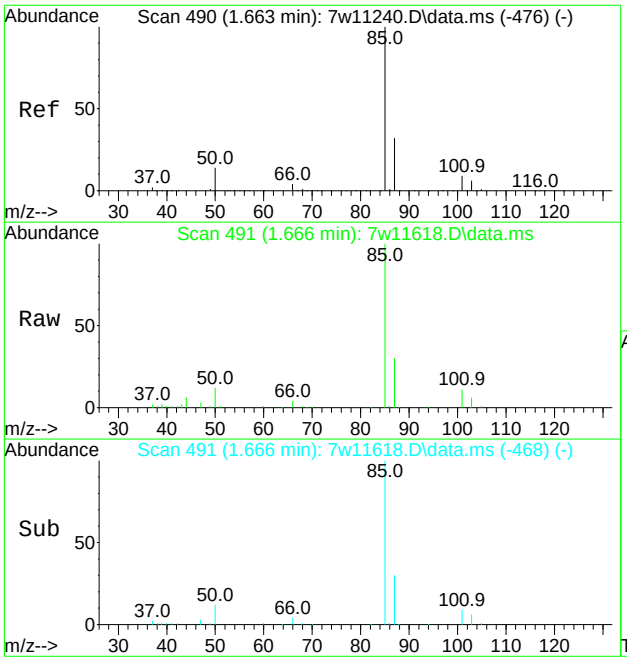


#4
CHLORODIFLUOROMETHANE
Concen: 0.2407 PPBV
RT: 1.641 min Scan# 483
Delta R.T. 0.003 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 67 Resp: 801

Ion	Ratio	Lower	Upper
67	100		
69	57.4	24.4	45.4#

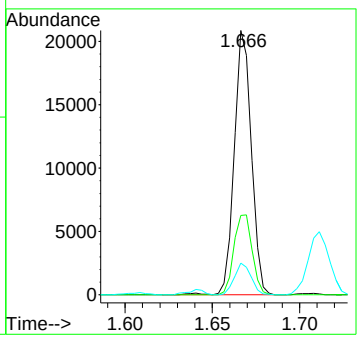


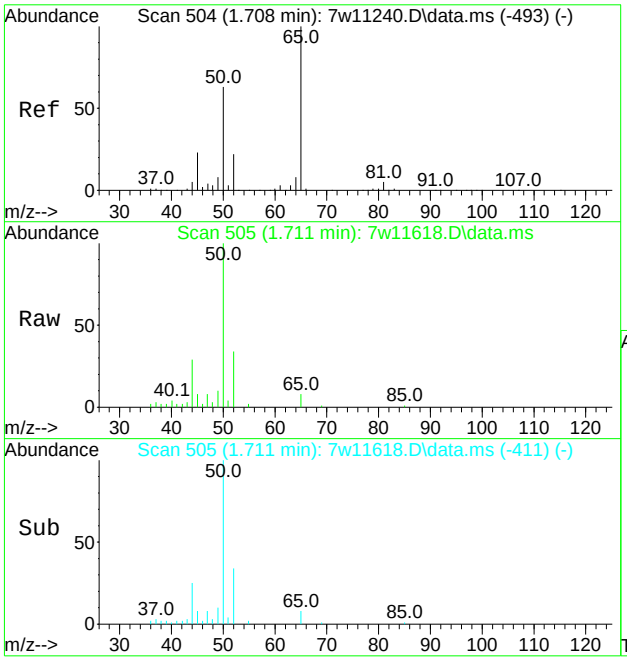


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4135 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 85 Resp: 14192

Ion	Ratio	Lower	Upper
85	100		
87	32.3	22.5	41.7
50	11.8	13.8	25.6#

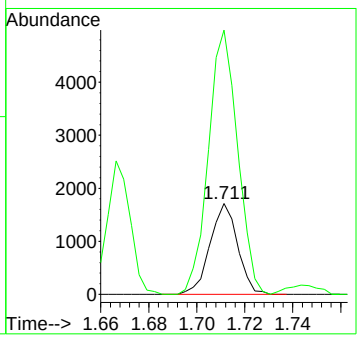


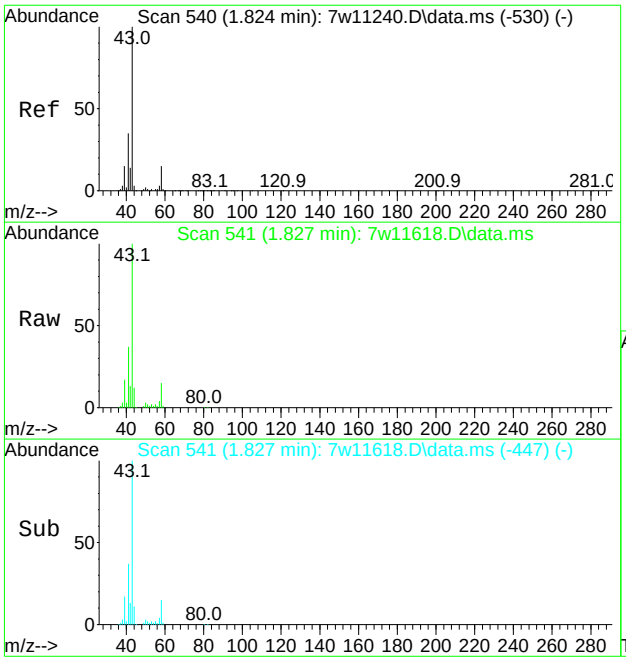


#10
CHLOROMETHANE
Concen: 0.3817 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 52 Resp: 1360

Ion	Ratio	Lower	Upper
52	100		
50	308.8	220.1	408.8

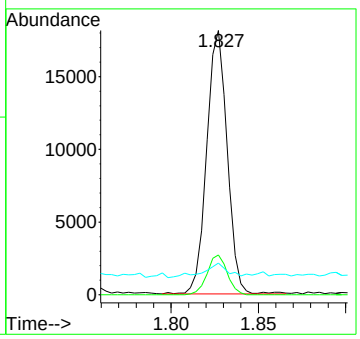


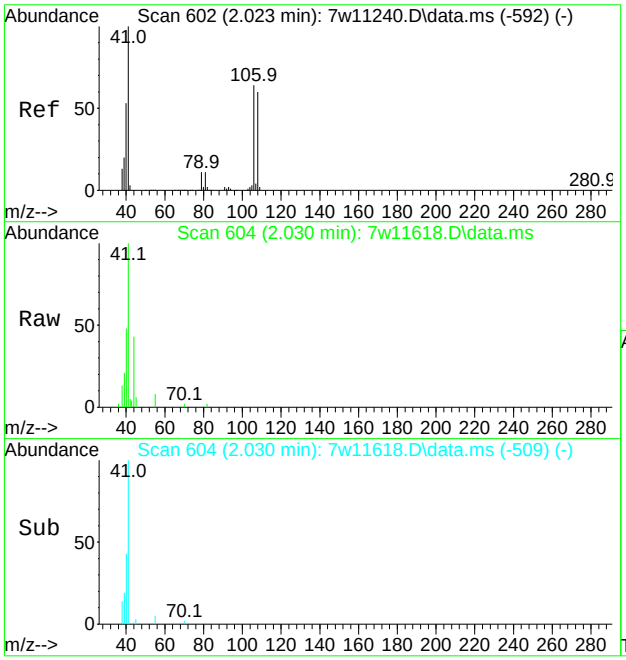


#13
N-BUTANE
Concen: 0.8300 PPBV
RT: 1.827 min Scan# 541
Delta R.T. 0.003 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 43 Resp: 14818

Ion	Ratio	Lower	Upper
43	100		
58	14.8	10.4	19.2
44	11.2	3.0	5.6#

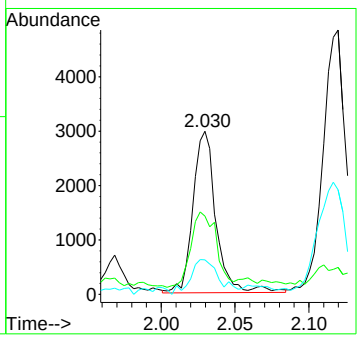


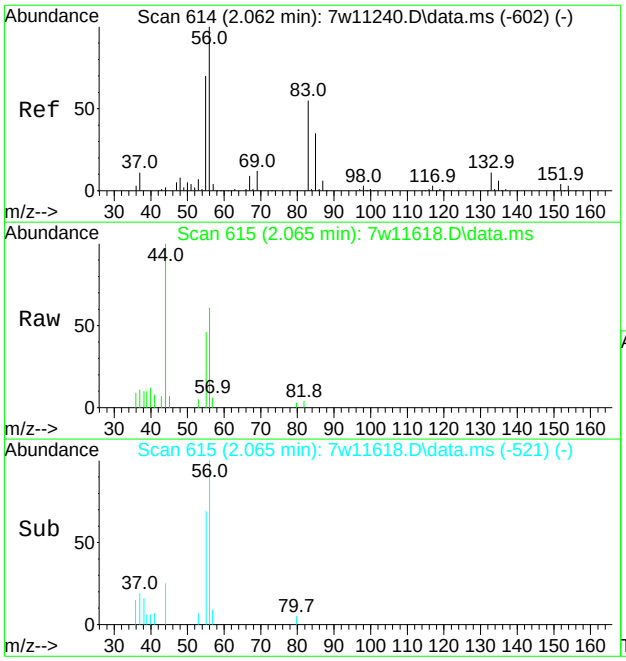


#17
ACETONITRILE
Concen: 0.2903 PPBV
RT: 2.030 min Scan# 604
Delta R.T. 0.007 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 41 Resp: 3212

Ion	Ratio	Lower	Upper
41	100		
40	55.5	37.9	70.5
39	26.5	13.8	25.6#

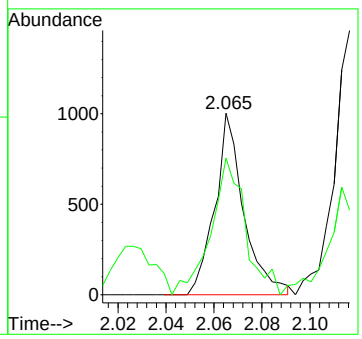


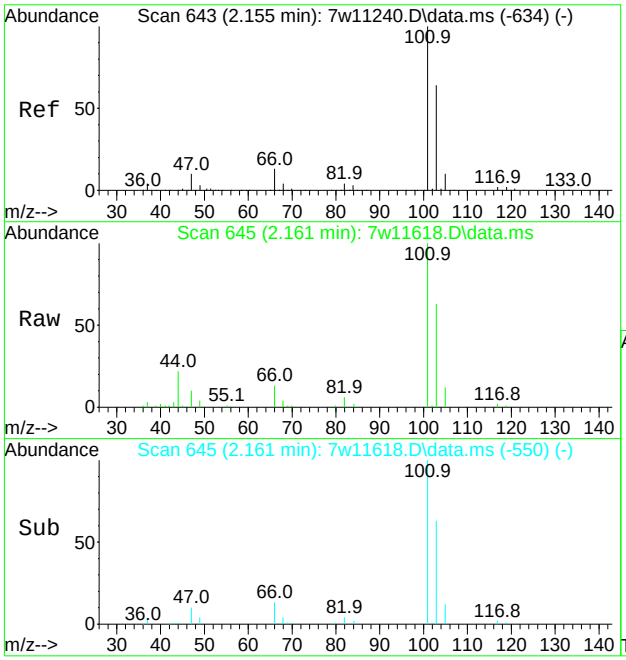


#18
ACROLEIN
Concen: 0.1444 PPBV
RT: 2.065 min Scan# 615
Delta R.T. 0.003 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 56 Resp: 839

Ion	Ratio	Lower	Upper
56	100		
55	82.1	50.3	93.3

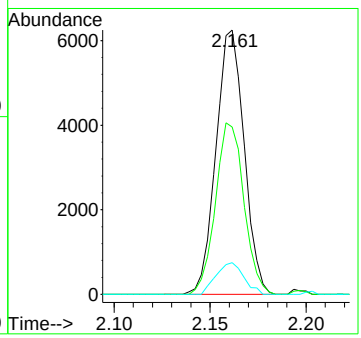


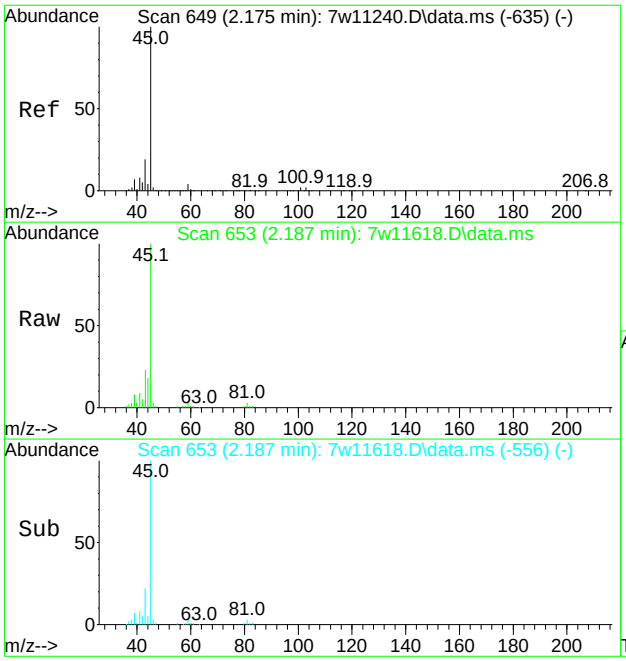


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2111 PPBV
RT: 2.161 min Scan# 645
Delta R.T. 0.006 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion:101 Resp: 6382

Ion	Ratio	Lower	Upper
101	100		
103	65.4	44.9	83.5
105	11.8	7.3	13.5

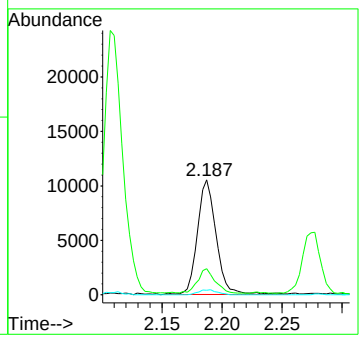


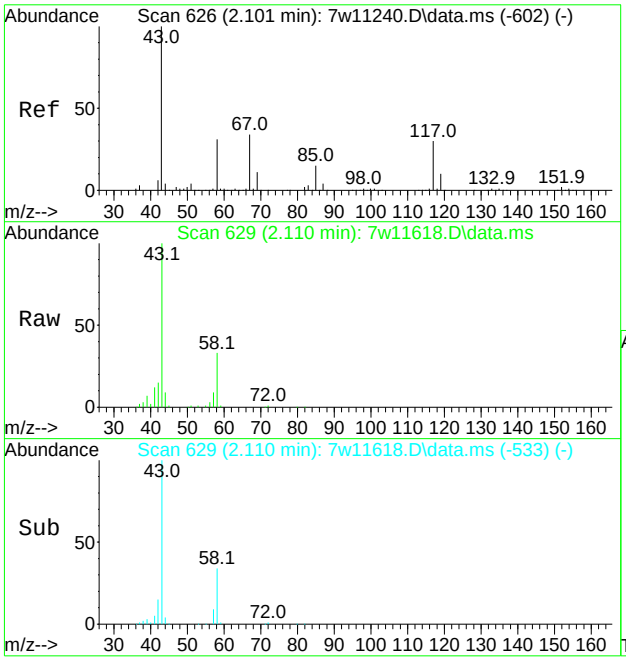


#22
ISOPROPYL ALCOHOL
Concen: 0.4508 PPBV
RT: 2.187 min Scan# 653
Delta R.T. 0.012 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 45 Resp: 11497

Ion	Ratio	Lower	Upper
45	100		
43	21.9	13.9	25.9
59	4.3	2.8	5.2

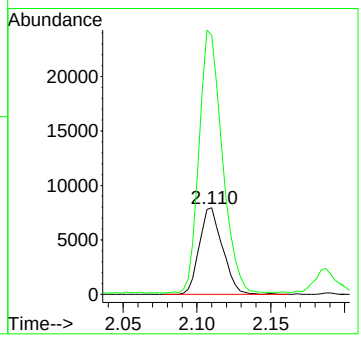


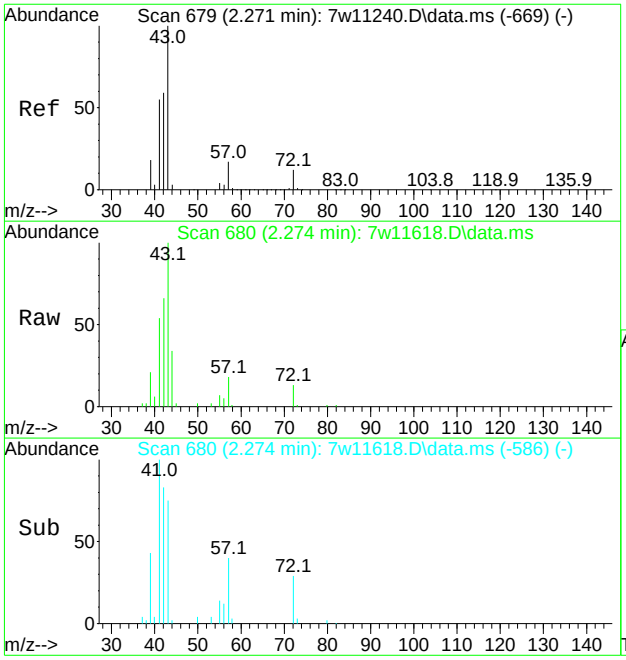


#23
ACETONE
Concen: 1.0843 PPBV
RT: 2.110 min Scan# 629
Delta R.T. 0.009 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 58 Resp: 8672

Ion	Ratio	Lower	Upper
58	100		
43	305.0	234.4	435.2

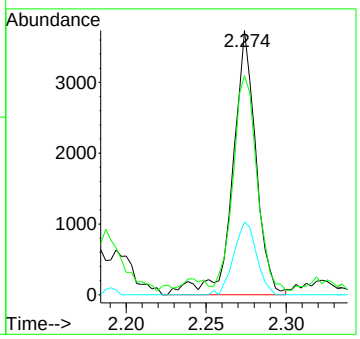


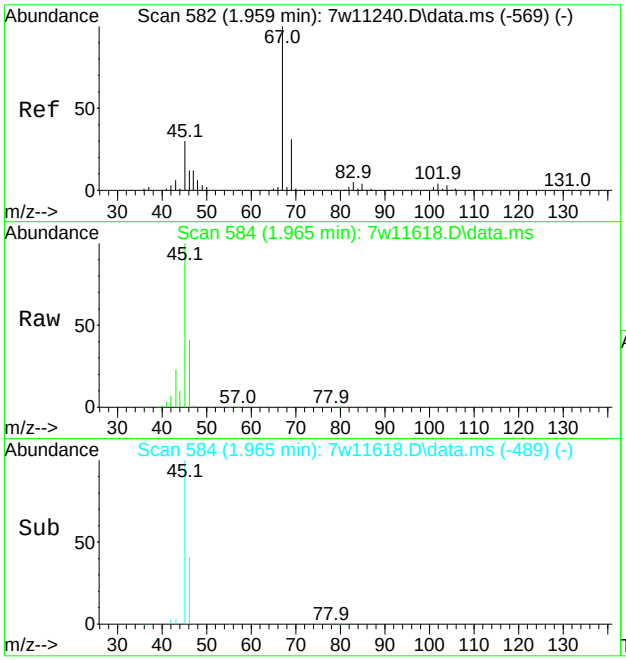


#24
PENTANE
Concen: 0.3062 PPBV
RT: 2.274 min Scan# 680
Delta R.T. 0.003 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 42 Resp: 3751

Ion	Ratio	Lower	Upper
42	100		
41	87.1	64.8	120.3
57	27.1	19.7	36.7

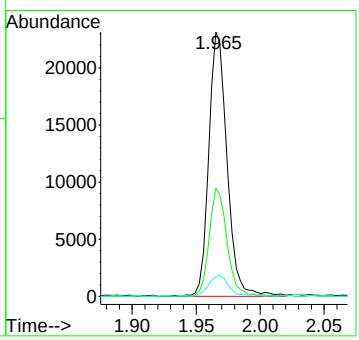


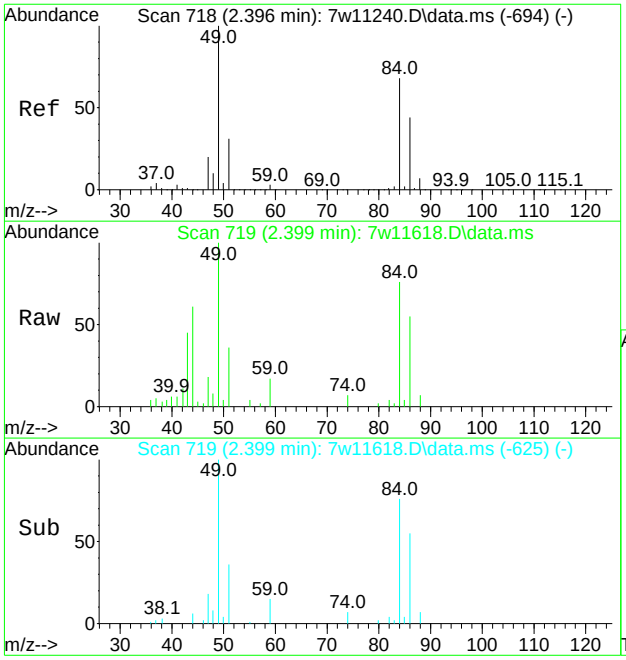


#28
ETHANOL
Concen: 3.3031 PPBV
RT: 1.965 min Scan# 584
Delta R.T. 0.006 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 45 Resp: 23059

Ion	Ratio	Lower	Upper
45	100		
46	40.0	28.6	53.0
42	9.0	6.3	11.7

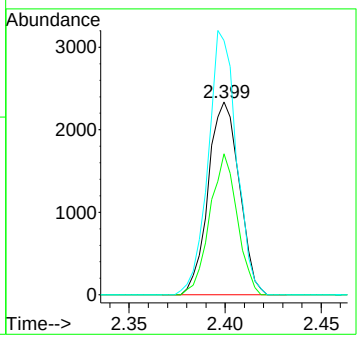


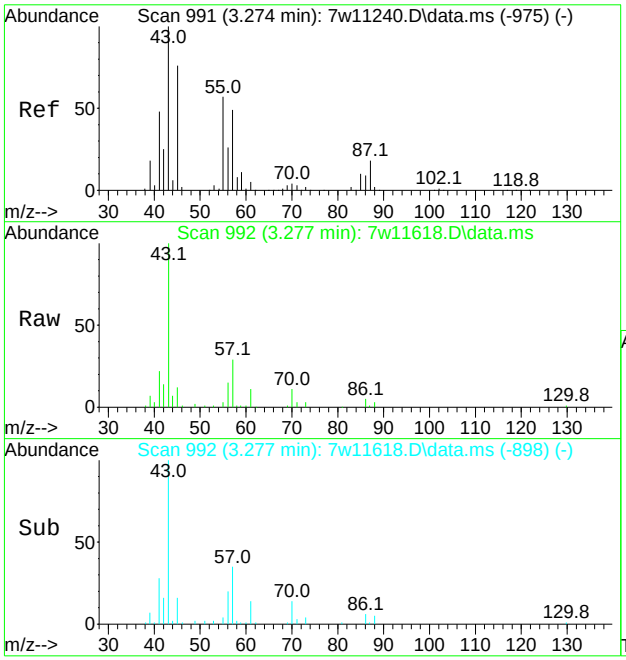


#31
METHYLENE CHLORIDE
Concen: 0.2415 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 84 Resp: 2631

Ion	Ratio	Lower	Upper
84	100		
86	64.5	46.0	85.4
49	125.0	103.9	192.9

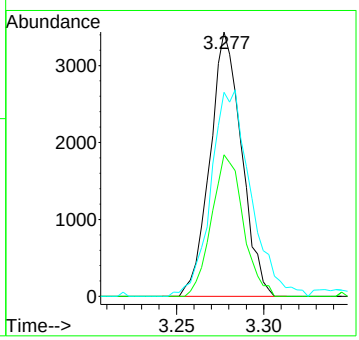


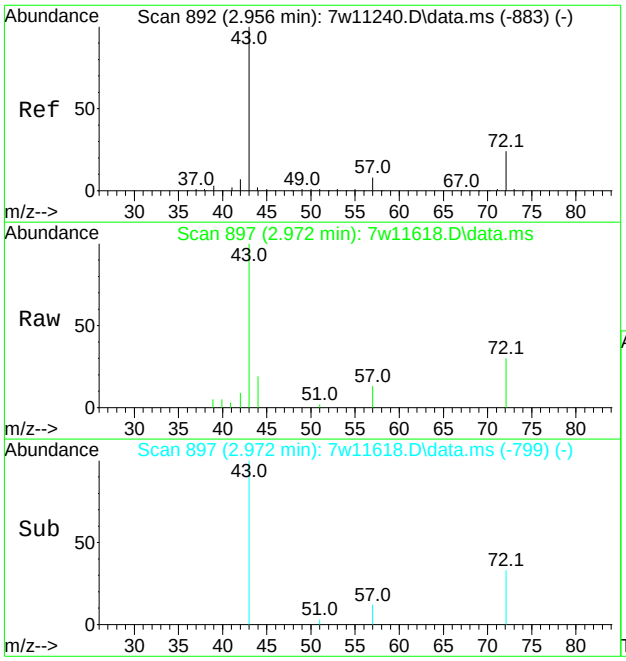


#38
HEXANE
Concen: 0.1908 PPBV
RT: 3.277 min Scan# 992
Delta R.T. 0.003 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 57 Resp: 4325

Ion	Ratio	Lower	Upper
57	100		
56	53.5	37.8	70.2
41	98.2	75.9	140.9

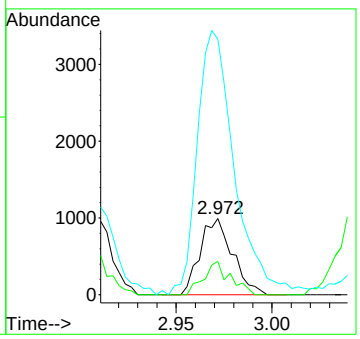


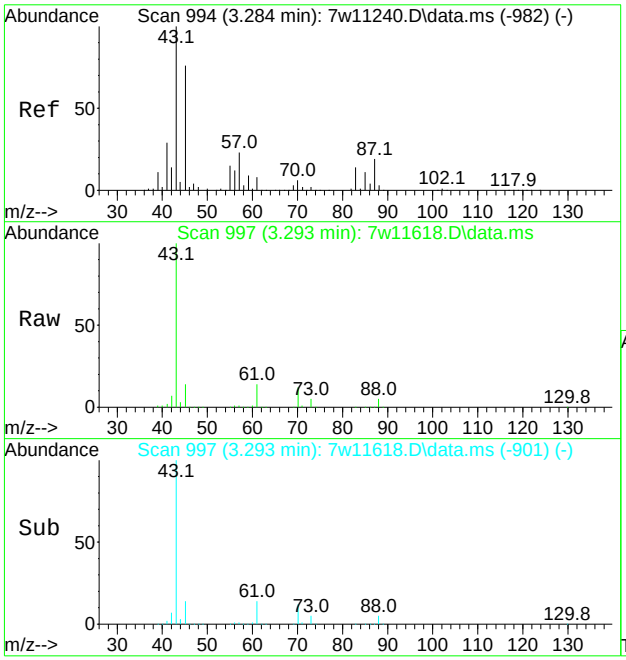


#41
METHYL ETHYL KETONE
Concen: 0.1908 PPBV
RT: 2.972 min Scan# 897
Delta R.T. 0.016 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 72 Resp: 1167

Ion	Ratio	Lower	Upper
72	100		
57	35.9	25.3	46.9
43	399.3	299.6	556.4

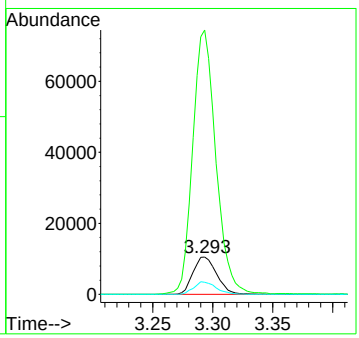


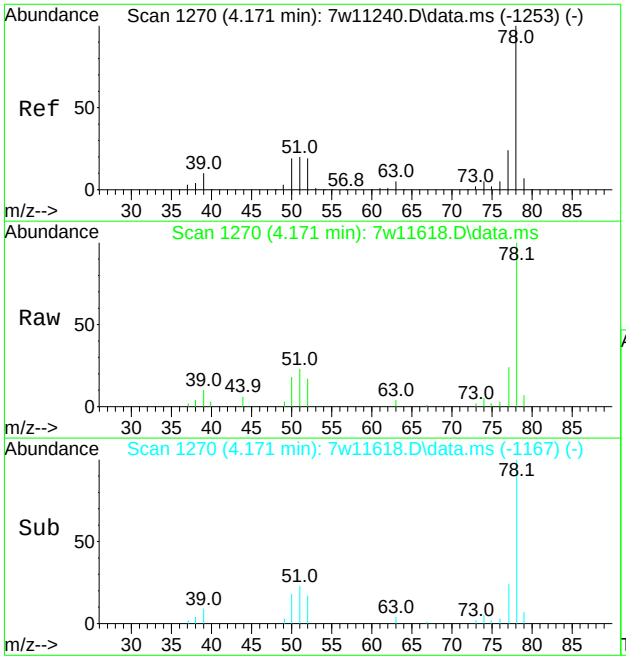


#44
ETHYL ACETATE
Concen: 3.3443 PPBV
RT: 3.293 min Scan# 997
Delta R.T. 0.009 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 61 Resp: 14527

Ion	Ratio	Lower	Upper
61	100		
43	694.0	1005.1	1866.5#
88	31.5	29.3	54.5

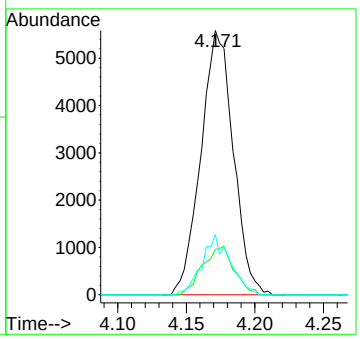


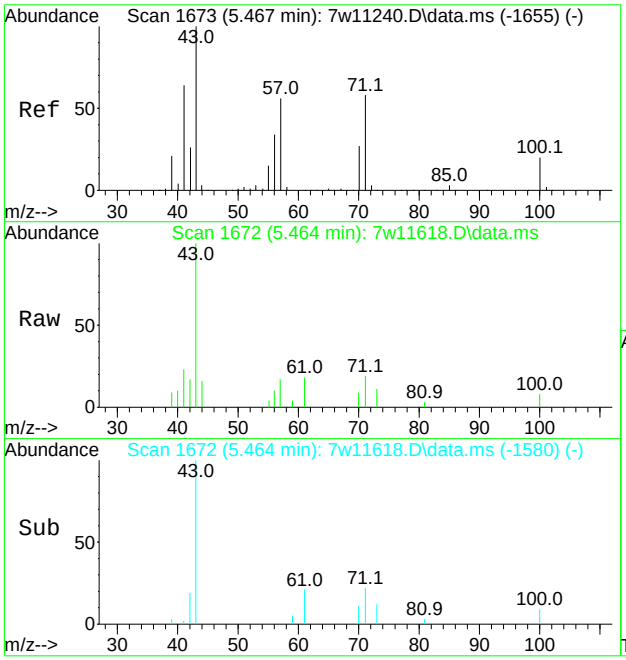


#51
BENZENE
Concen: 0.2494 PPBV
RT: 4.171 min Scan# 1270
Delta R.T. 0.000 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 78 Resp: 9168

Ion	Ratio	Lower	Upper
78	100		
52	17.8	0.0	48.9
51	19.8	0.0	50.2

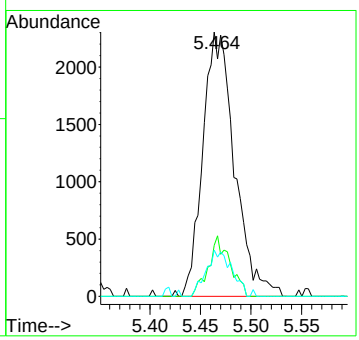


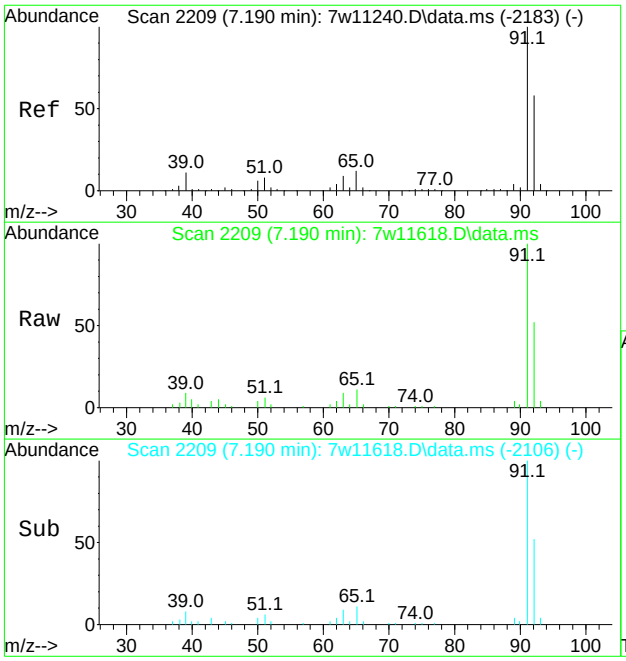


#62
HEPTANE
Concen: 0.2244 PPBV
RT: 5.464 min Scan# 1672
Delta R.T. -0.003 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 43 Resp: 5036

Ion	Ratio	Lower	Upper
43	100		
71	15.3	40.0	74.4#
57	14.2	38.9	72.2#

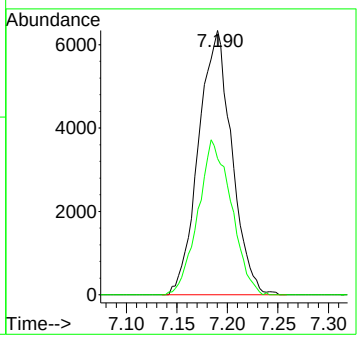


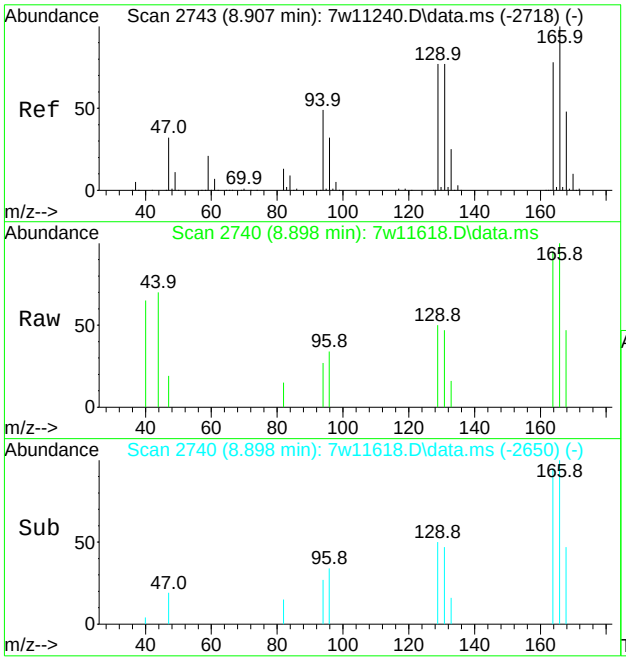


#66
TOLUENE
Concen: 0.3095 PPBV
RT: 7.190 min Scan# 2209
Delta R.T. 0.000 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 91 Resp: 14520

Ion	Ratio	Lower	Upper
91	100		
92	58.8	29.0	89.0

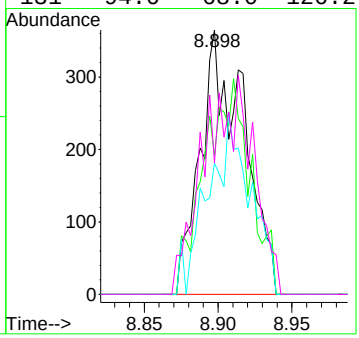


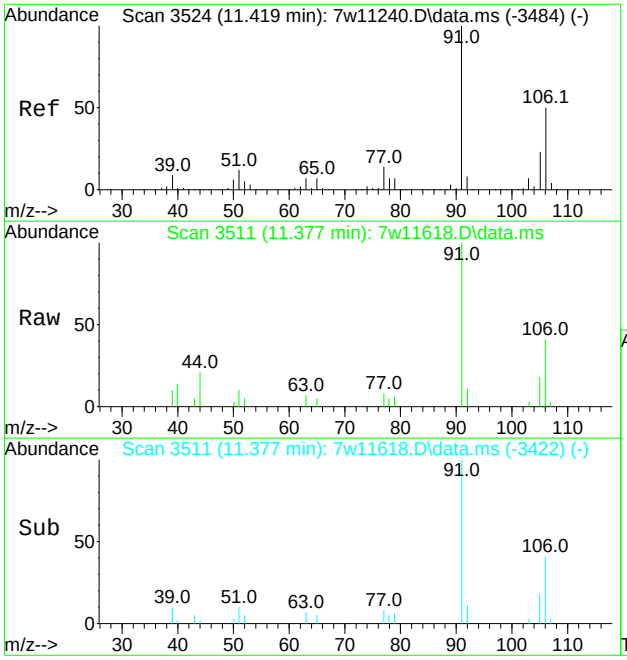


#72
TETRACHLOROETHENE
Concen: 0.0420 PPBV
RT: 8.898 min Scan# 2740
Delta R.T. -0.009 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion:164 Resp: 746

Ion	Ratio	Lower	Upper
164	100		
129	85.4	68.9	127.9
168	66.6	42.3	78.5
131	94.0	68.0	126.2

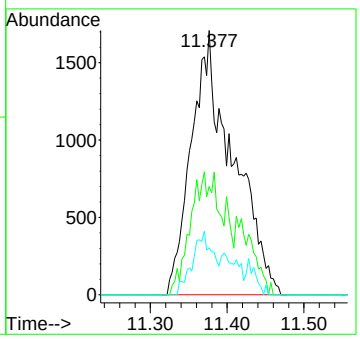




#80
M,P-XYLENE
Concen: 0.1334 PPBV
RT: 11.377 min Scan# 3511
Delta R.T. -0.042 min
Lab File: 7w11618.D
Acq: 9 Jan 2025 1:36 pm

Tgt Ion: 91 Resp: 6401

Ion	Ratio	Lower	Upper
91	100		
106	49.4	0.0	55.5
105	21.3	0.0	41.7



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\110624\v7w378\
Data File : 7w10294.d
Acq On : 6 Nov 2024 1:49 am
Operator : thomash
Sample : scc(a1638),cp12914 Inst : MS7W
Misc : MS86666,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 10:19:29 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

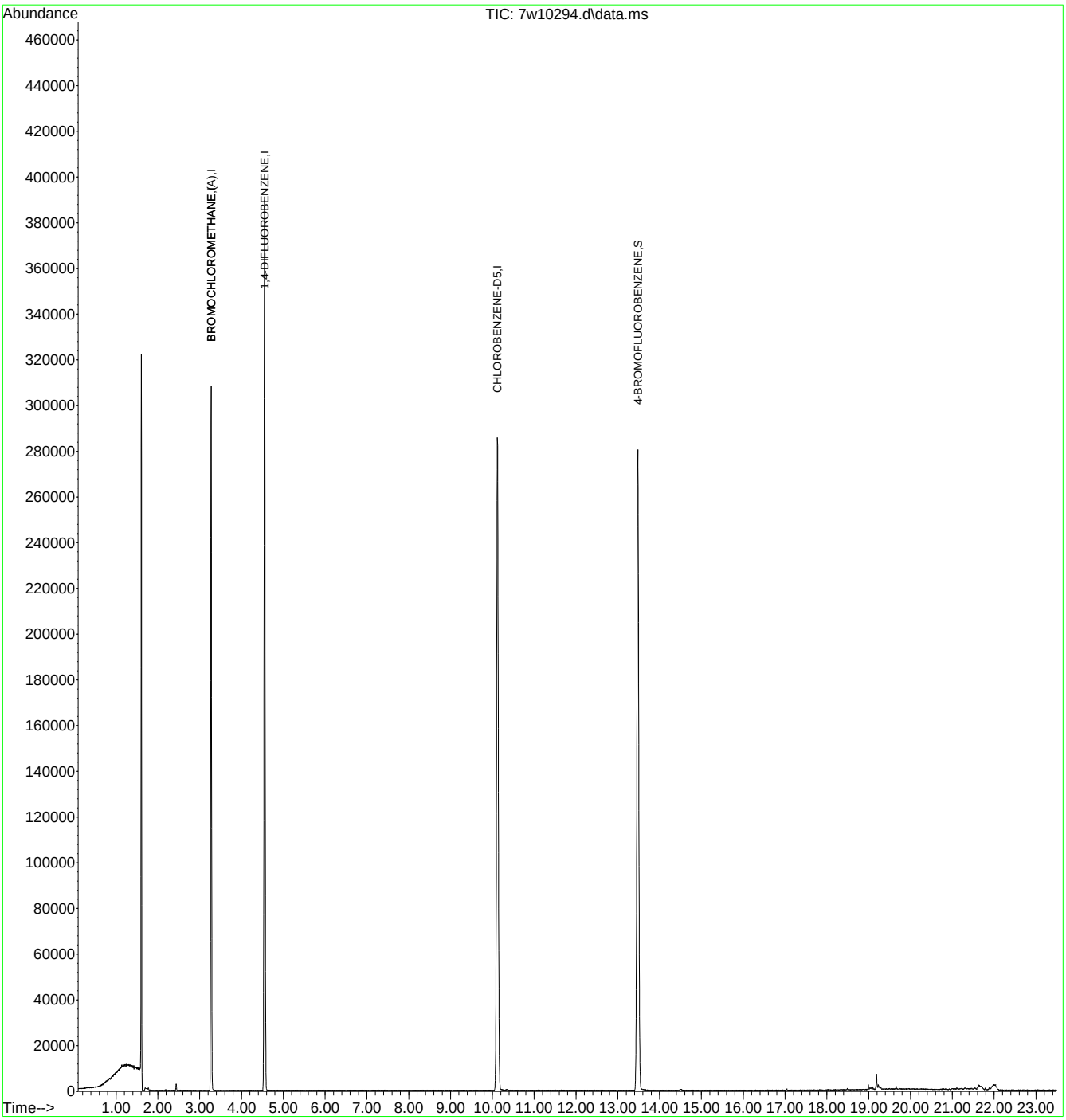
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	57134	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	290324	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.119	117	260271	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	57134	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	179019	9.38	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\110624\v7w378\
Data File : 7w10294.d
Acq On : 6 Nov 2024 1:49 am
Operator : thomash
Sample : scc(a1638),cp12914 Inst : MS7W
Misc : MS86666,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 10:19:29 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55709.D
Acq On : 18 Dec 2024 3:08 am
Operator : thomash
Sample : scc(a2150),cp12948 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 19:32:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

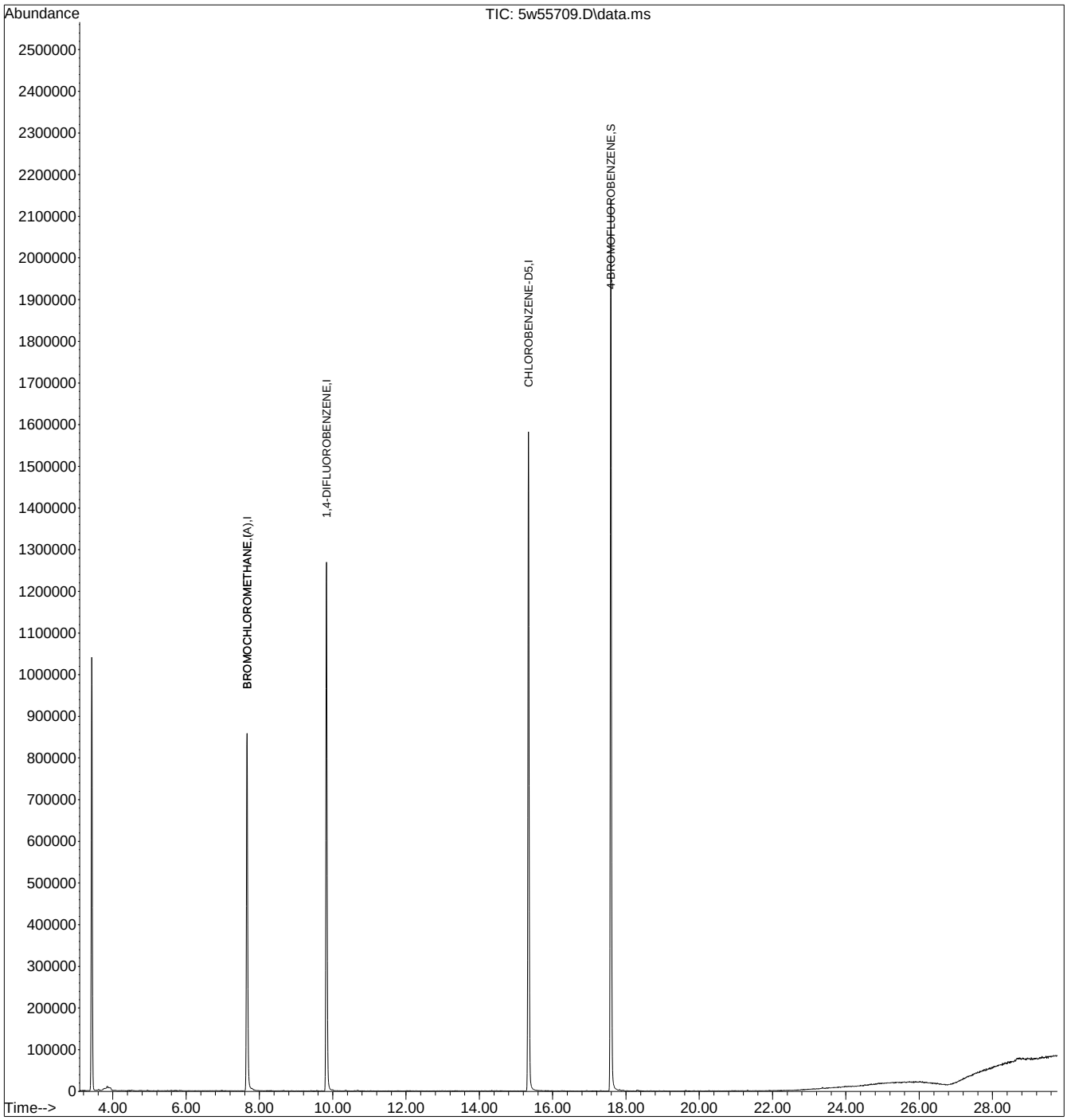
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	208981	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1029779	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	606483	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	208981	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	725814	10.69	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.90%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55709.D
Acq On : 18 Dec 2024 3:08 am
Operator : thomash
Sample : scc(a2150),cp12948 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 19:32:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55713.D
Acq On : 18 Dec 2024 6:16 am
Operator : thomash
Sample : scc(a1184),cp12946 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 19:42:03 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

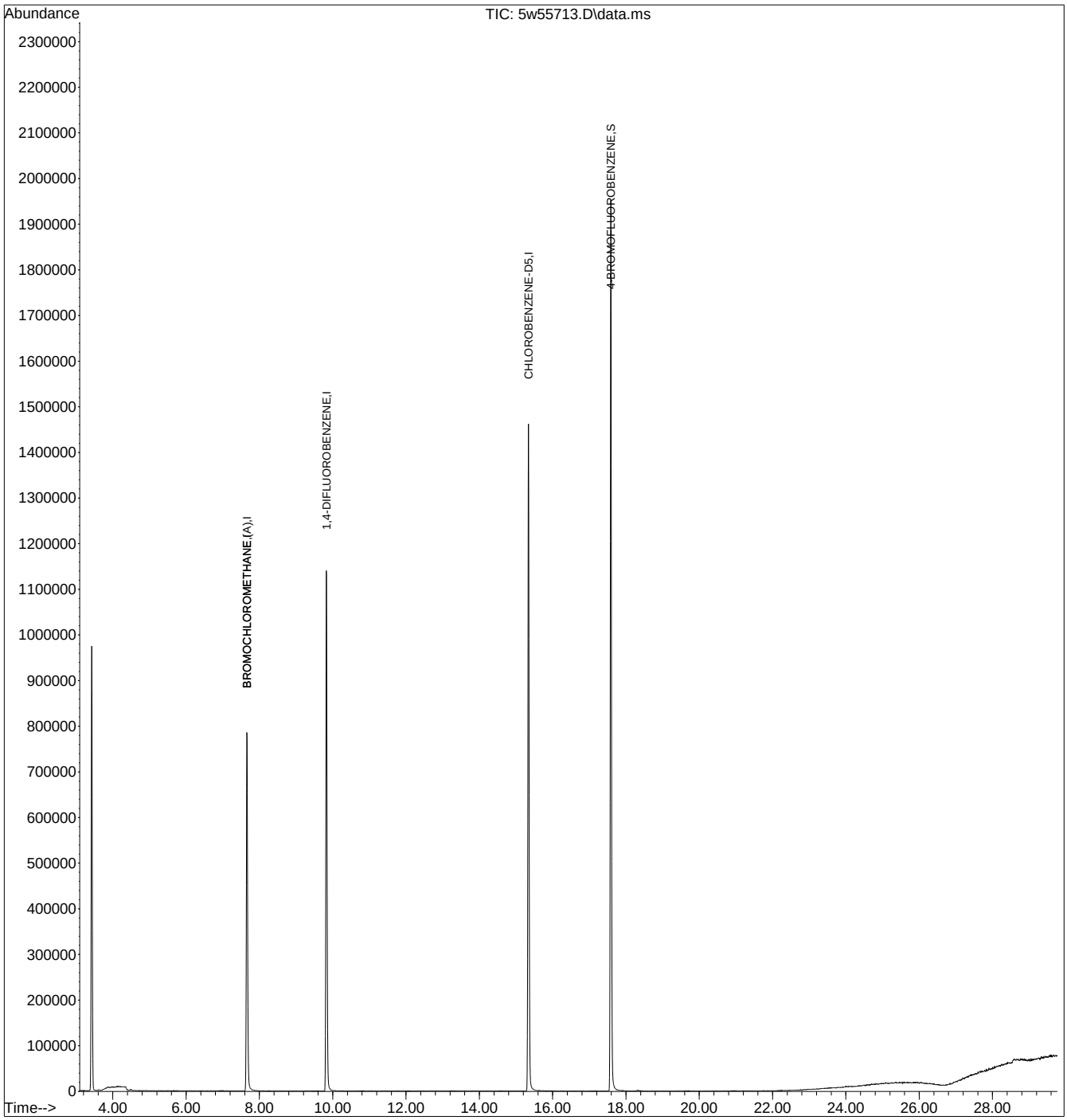
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	188591	10.00	PPBV	#-0.01
51) 1,4-DIFLUOROBENZENE	9.829	114	933317	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	548791	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	188591	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	641752	10.45	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 104.50%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55713.D
Acq On : 18 Dec 2024 6:16 am
Operator : thomash
Sample : scc(a1184),cp12946 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 4 Sample Multiplier: 1

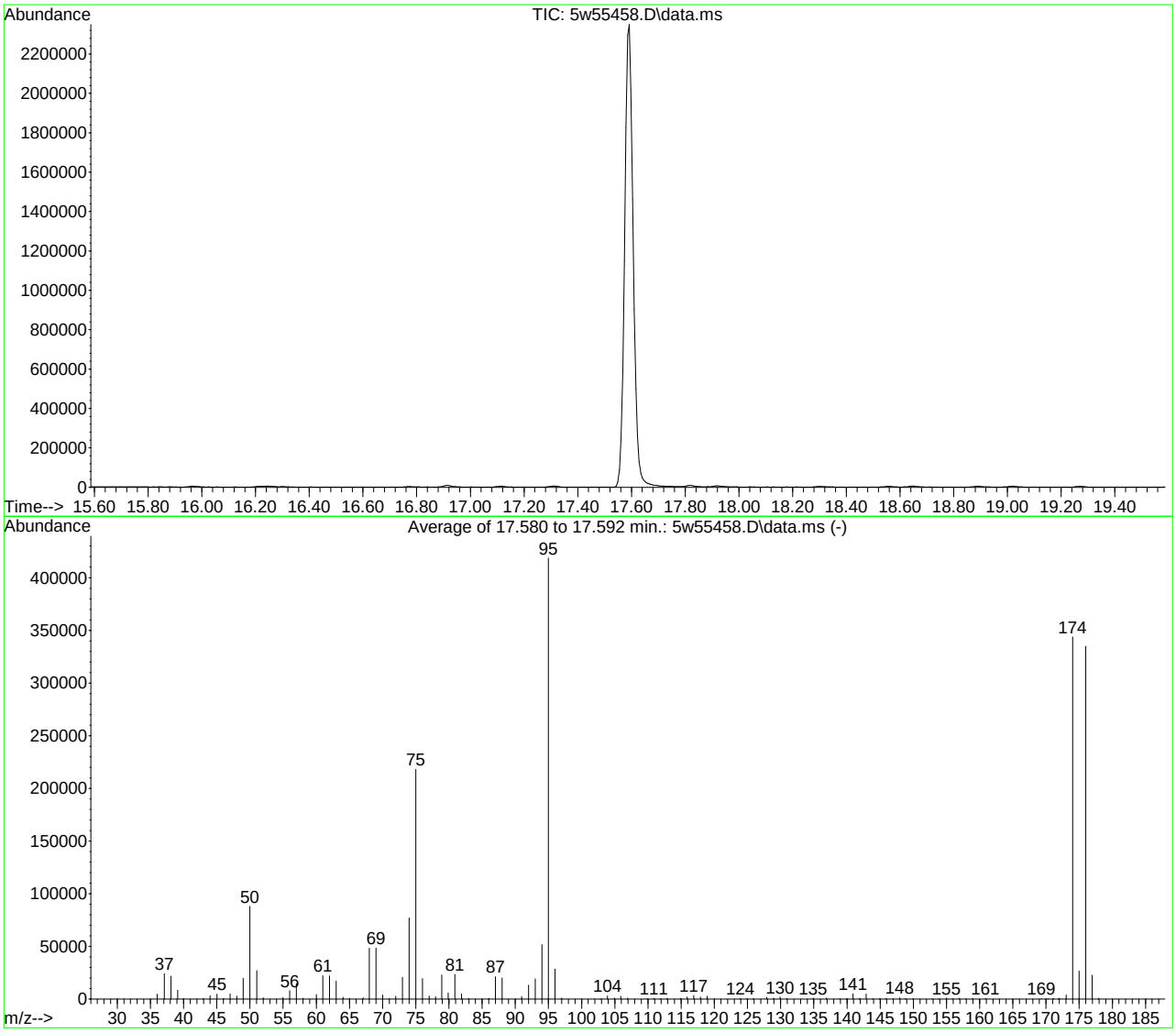
Quant Time: Dec 18 19:42:03 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\DATA\5w55458.D Vial: 3
Acq On : 9 Dec 2024 3:34 am Operator: benk
Sample : bfb Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2360

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.0	87907	PASS
75	95	30	66	52.1	218027	PASS
95	95	100	100	100.0	418581	PASS
96	95	5	9	6.8	28349	PASS
173	174	0.00	2	1.1	3695	PASS
174	95	50	120	82.1	343765	PASS
175	174	4	9	7.7	26424	PASS
176	174	93	101	97.4	334720	PASS
177	176	5	9	6.7	22512	PASS

5w55458.D M5w2125.M Mon Dec 09 16:30:13 2024

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	4407	49.00	19752	63.00	17050	75.00	218027
37.10	24149	50.00	87907	64.05	1657	76.00	19280
38.10	21723	51.05	26971	65.00	509	77.00	2866
39.10	8398	52.00	1164	67.05	1085	78.00	2061
39.95	461	55.00	1419	68.00	48216	78.90	22733
42.95	285	56.00	7959	69.00	48400	79.90	5787
44.00	3174	57.00	14433	70.00	3854	80.90	23309
45.05	4430	58.00	691	71.00	83	81.90	4746
46.05	362	60.00	4331	72.00	2495	82.95	482
47.00	4807	61.00	22131	73.00	20691	86.00	549
48.00	2719	62.00	21965	74.00	77016	87.00	21008

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	20003	105.90	2548	123.95	315	140.90	5011
90.95	2215	106.90	509	124.90	140	141.90	497
92.00	13106	109.85	391	125.85	219	142.90	4891
93.00	19059	110.90	592	127.90	1613	143.85	348
94.00	51672	111.90	484	128.95	795	144.95	461
95.00	418581	112.85	566	129.90	1786	145.90	568
96.00	28349	114.90	530	130.90	598	146.95	297
97.00	848	115.90	1936	134.90	880	147.95	1090
102.85	239	116.90	3369	136.90	963	148.80	258
103.90	2733	117.90	1949	138.90	79	149.95	436
104.95	754	118.90	2572	139.95	354	152.85	248

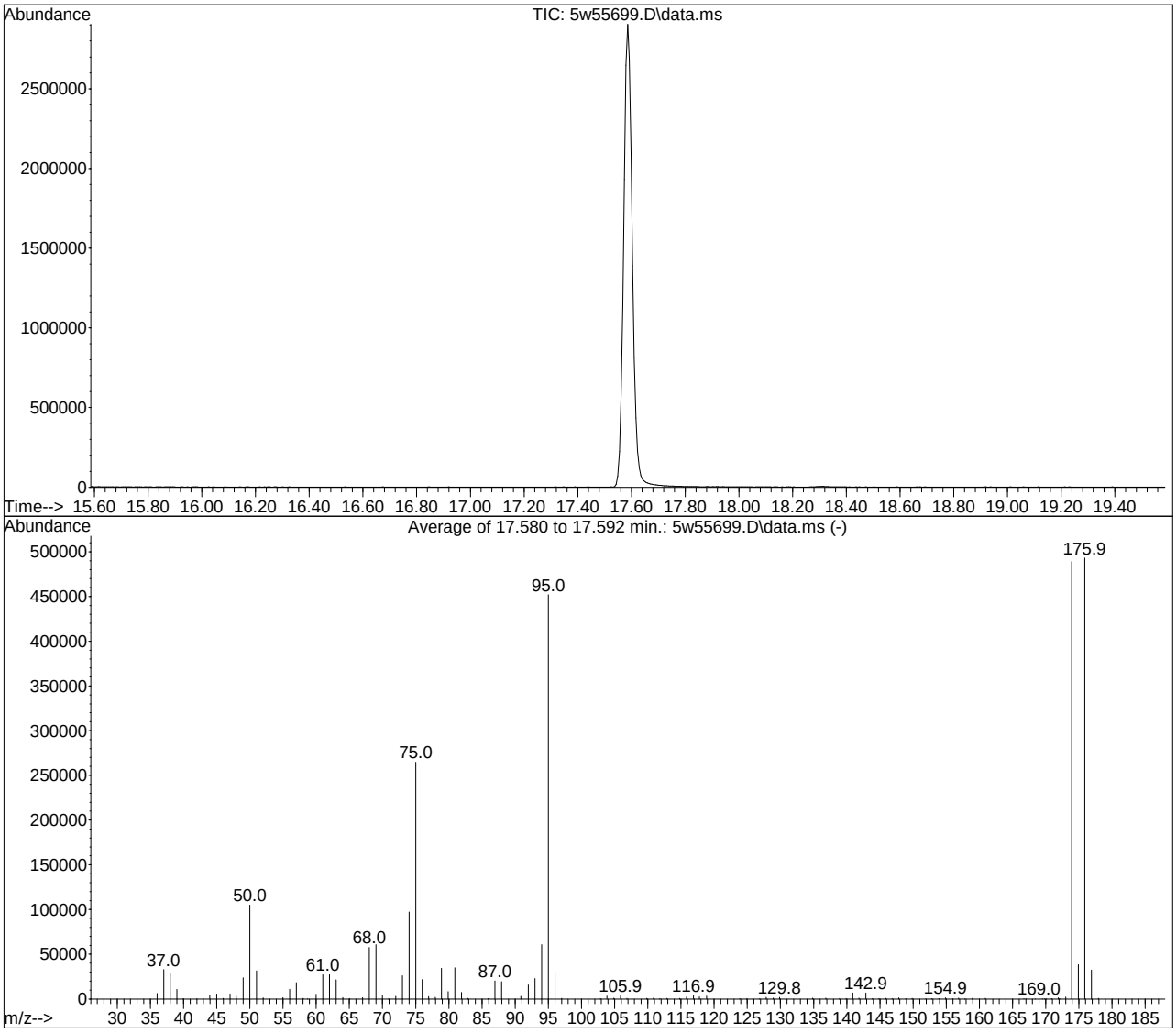
Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
153.80	101	171.90	416				
155.00	926	172.05	748				
155.90	138	173.05	3695				
156.95	736	174.00	343765				
157.95	174	175.00	26424				
158.90	535	176.00	334720				
160.90	542	176.95	22512				
169.30	75	177.90	590				
170.00	113						
170.35	183						
171.15	260						

BFB

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55699.D Vial: 1
Acq On : 17 Dec 2024 7:52 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.2	105096	PASS
75	95	30	66	58.6	264789	PASS
95	95	100	100	100.0	452053	PASS
96	95	5	9	6.6	29944	PASS
173	174	0.00	2	0.4	2112	PASS
174	95	50	120	108.2	488917	PASS
175	174	4	9	7.9	38499	PASS
176	174	93	101	100.8	492928	PASS
177	176	5	9	6.6	32312	PASS

5w55699.D M5w2125.M Wed Dec 18 19:04:06 2024

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	6122	47.95	3333	61.00	27261	73.00	25893
37.00	32880	49.00	23784	62.00	27029	74.00	97128
38.00	29173	50.00	105096	63.00	21448	75.00	264789
39.00	10698	51.00	31357	64.00	1715	76.00	21672
39.95	458	52.00	1362	65.05	454	76.95	2719
42.00	70	55.00	1658	67.00	1681	77.95	1788
42.95	414	56.00	10854	68.00	57627	78.90	34237
43.95	4439	57.00	18149	69.00	60885	79.90	8336
45.00	5558	58.05	704	70.00	4515	80.90	35016
45.95	615	58.70	67	70.90	159	81.90	7233
47.00	5559	60.00	5242	72.00	3123	82.90	782

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.90	470	103.85	3393	117.80	2408	135.80	72
86.95	20229	104.90	995	118.85	3415	136.85	1048
87.95	19427	105.90	3547	123.85	357	138.85	187
90.85	2909	106.85	594	124.90	68	139.90	567
92.00	15755	109.85	600	125.85	273	140.90	6636
93.00	22952	110.85	911	126.80	93	141.85	880
94.00	60709	111.80	536	127.85	1812	142.90	6852
95.00	452053	112.90	865	128.90	1015	143.85	425
96.00	29944	114.80	689	129.85	1859	144.85	535
97.00	879	115.85	2320	130.85	664	145.90	870
102.85	434	116.90	4223	134.85	994	146.85	313

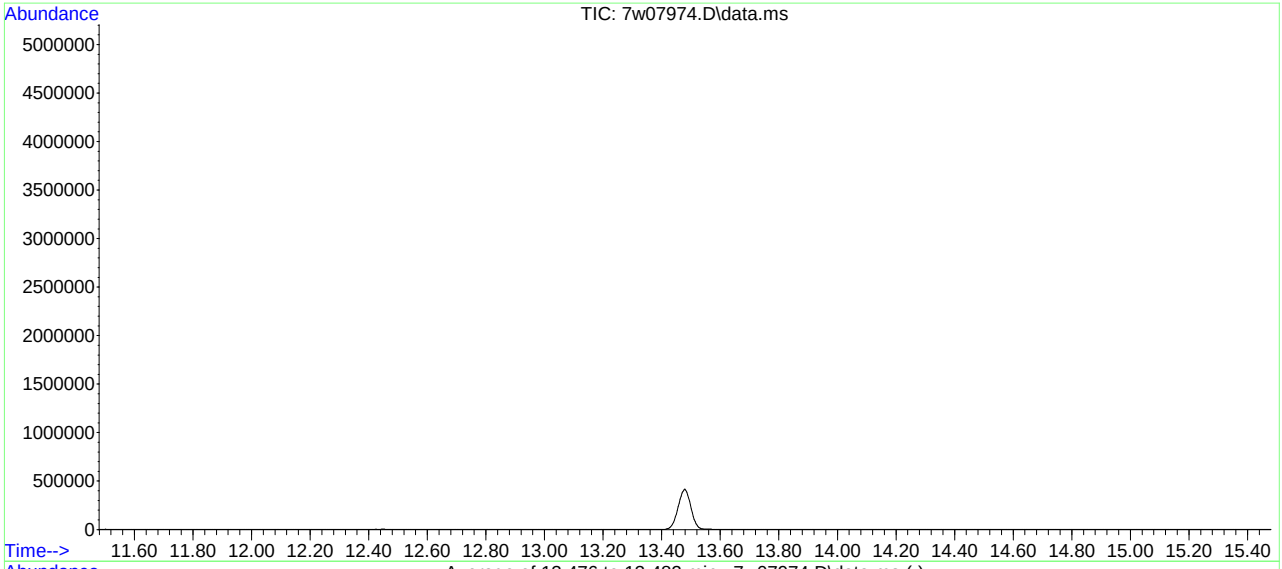
Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	1350	160.90	871	172.10	526		
148.90	380	166.70	73	173.00	2112		
149.85	686	167.00	77	173.90	488917		
151.90	234	168.40	94	174.90	38499		
152.85	367	169.00	316	175.90	492928		
153.90	377	169.50	118	176.90	32312		
154.90	1409	169.80	161	177.95	825		
156.00	71	170.10	175				
156.85	927	170.65	431				
157.80	91	170.90	330				
158.90	708	171.90	1206				

BFB

Data File : C:\msdchem\1\data\7w\7w07974.D Vial: 1
Acq On : 18 Aug 2024 9:06 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4164, 4165, 4166; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.4	20443	PASS
75	95	30	66	51.7	43320	PASS
95	95	100	100	100.0	83736	PASS
96	95	5	9	7.1	5915	PASS
173	174	0.00	2	1.0	627	PASS
174	95	50	120	73.5	61525	PASS
175	174	4	9	7.4	4526	PASS
176	174	93	101	95.5	58768	PASS
177	176	5	9	6.6	3856	PASS

7w07974.D M7Wbfb.M Mon Aug 19 09:00:03 2024

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	954	50.00	20443	64.00	287	77.90	308
37.00	5028	51.00	6530	67.05	196	78.90	2955
38.00	4273	52.00	277	68.00	8935	79.90	767
39.05	1813	55.05	302	69.00	9076	80.90	3037
43.00	64	55.95	1451	70.00	861	81.85	668
44.00	709	57.00	2901	71.85	499	82.80	43
45.00	966	58.05	156	73.00	3880	83.10	21
46.15	74	60.00	997	74.00	15013	85.90	103
46.95	1367	61.00	4528	75.00	43320	86.95	3242
47.95	630	62.00	4774	76.00	3458	87.95	2880
49.00	4424	63.00	3558	77.00	539	90.85	322

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	2543	110.70	18	127.80	278	142.90	820
93.00	3598	111.05	100	128.70	51	144.00	19
94.00	10531	111.85	87	128.85	135	145.10	22
95.00	83736	112.80	110	129.85	322	145.90	187
96.00	5915	114.85	70	130.85	96	146.70	18
96.95	196	115.85	319	134.75	134	147.90	227
103.90	411	116.85	545	136.90	163	148.70	25
104.80	147	117.85	347	139.70	38	149.85	79
105.85	388	118.85	467	139.90	58	151.90	22
106.90	91	123.80	42	140.90	764	154.80	150
109.80	78	126.90	18	141.85	63	156.90	122

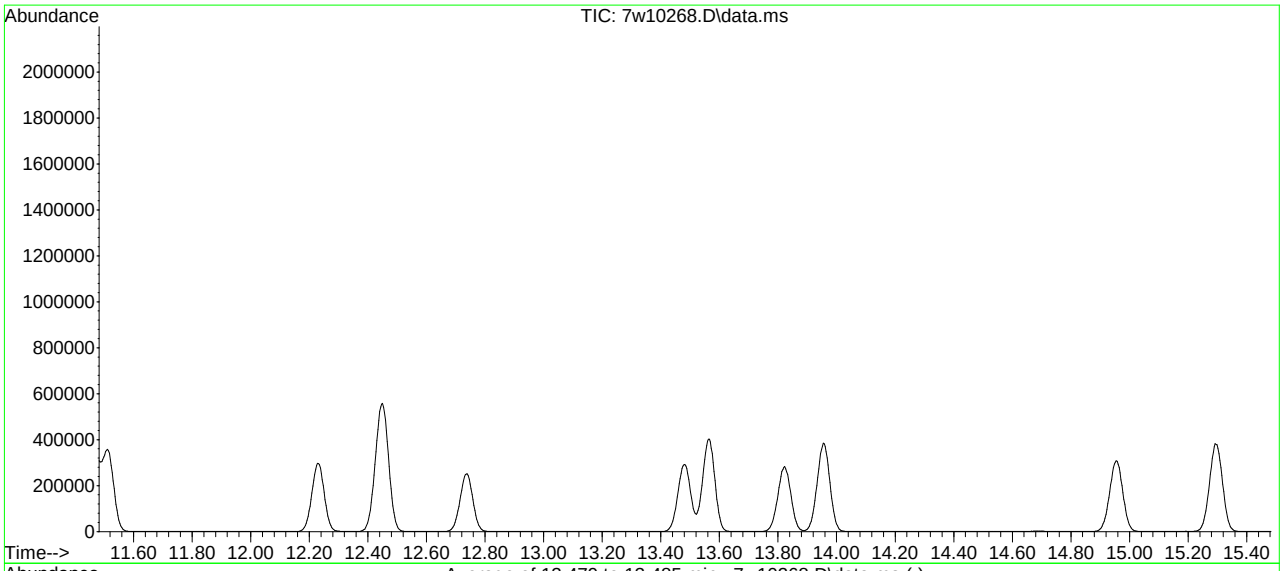
Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.70	34						
158.85	62						
160.80	94						
171.90	37						
173.05	627						
173.90	61525						
174.90	4526						
175.90	58768						
176.90	3856						
177.85	99						

BFB

Data File : C:\msdchem\1\data\7w10268.D Vial: 2
Acq On : 5 Nov 2024 8:58 am Operator: williamc
Sample : bfb Inst : MS7W
Misc : MS86513,v7w378,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M8wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4165, 4166, 4167; Background Corrected with Scan 4138

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.4	12879	PASS
75	95	30	66	49.3	29744	PASS
95	95	100	100	100.0	60323	PASS
96	95	5	9	6.7	4026	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	79.0	47661	PASS
175	174	4	9	7.1	3392	PASS
176	174	93	101	98.6	46992	PASS
177	176	5	9	6.8	3201	PASS

7w10268.D M8wbfb.M Tue Nov 05 16:47:50 2024

Average of 13.479 to 13.485 min.: 7w10268.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	608	48.00	376	62.00	2952	75.00	29744
37.00	2759	49.00	2636	63.00	2099	76.00	2512
38.00	2522	50.00	12879	64.00	215	76.90	370
39.00	1037	51.05	4011	65.00	30	77.90	233
39.95	5	51.90	181	67.00	203	78.90	1436
40.90	22	54.95	195	68.00	6206	79.90	429
43.00	51	56.00	941	69.00	6336	80.90	1497
43.95	215	57.00	1879	69.95	481	81.90	314
44.95	535	58.00	50	71.95	272	86.10	50
45.90	17	60.00	497	73.00	2635	87.00	2741
47.00	985	61.00	2817	74.00	9486	88.00	2469

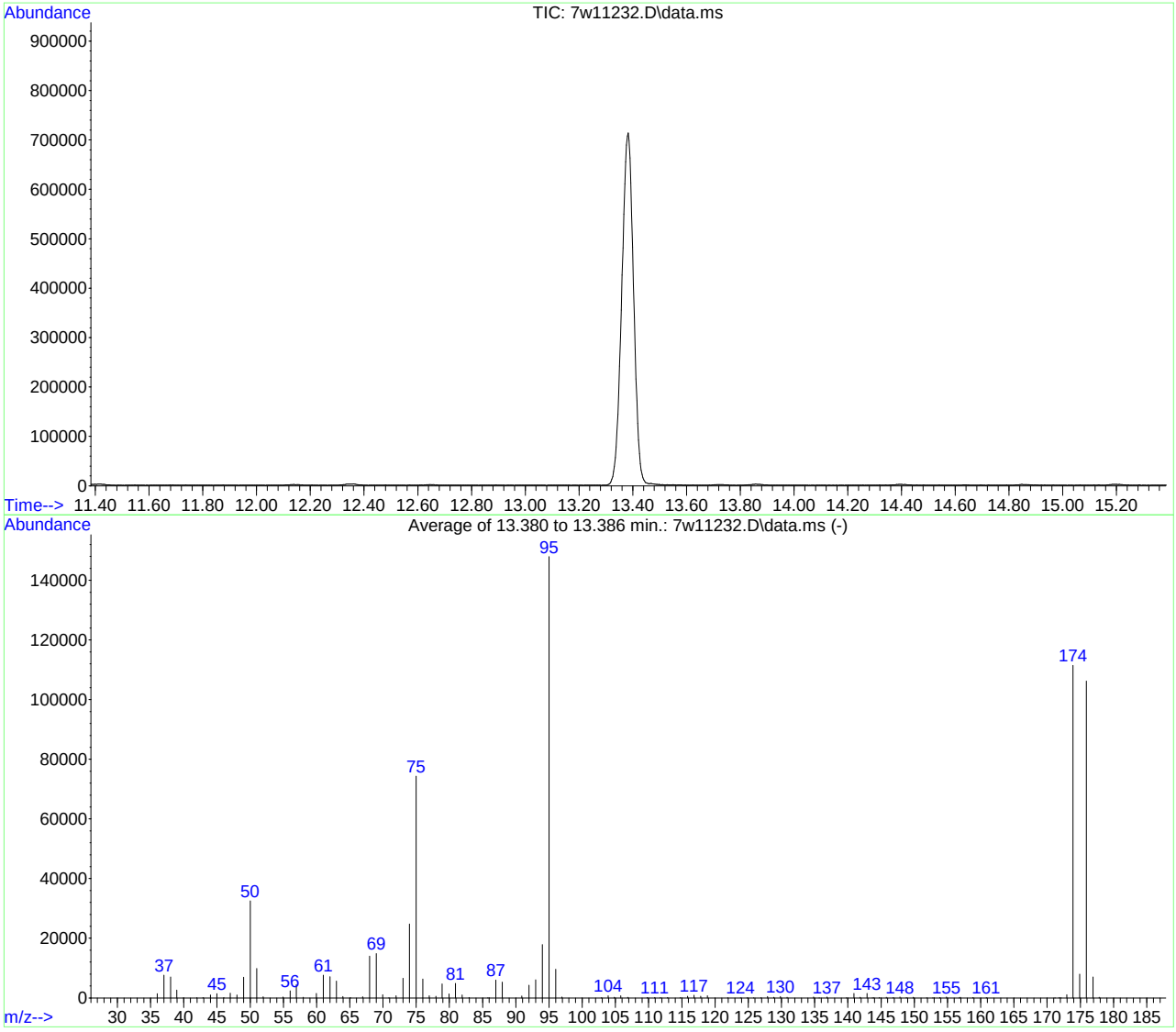
Average of 13.479 to 13.485 min.: 7w10268.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.85	214	112.70	20	134.85	81	149.90	29
92.00	1587	114.90	19	136.90	102	154.90	162
93.00	2389	115.85	197	139.90	17	156.90	87
94.00	6882	116.85	312	140.85	518	171.95	96
95.00	60323	117.85	204	141.90	41	174.00	47661
96.00	4026	118.90	253	142.85	571	174.95	3392
96.90	110	127.80	136	144.90	21	176.00	46992
103.85	241	128.00	50	145.70	26	176.95	3201
104.65	53	128.95	111	146.00	34	177.90	86
105.85	198	129.85	175	147.70	56		
106.70	18	130.85	74	147.90	96		

BFB

Data File : C:\msdchem\1\data\7w\7w11232.D Vial: 2
Acq On : 28 Dec 2024 8:40 am Operator: benk
Sample : bfb Inst : MS7W
Misc : MS74014,v7w405,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4134, 4135, 4136; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.0	32515	PASS
75	95	30	66	50.3	74333	PASS
95	95	100	100	100.0	147925	PASS
96	95	5	9	6.5	9647	PASS
173	174	0.00	2	1.0	1064	PASS
174	95	50	120	75.4	111515	PASS
175	174	4	9	7.1	7970	PASS
176	174	93	101	95.3	106229	PASS
177	176	5	9	6.6	7045	PASS

7w11232.D M7Wbfb.M Sun Dec 29 09:54:16 2024

Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1402	48.00	1003	62.00	7132	74.00	24797
37.00	7618	49.00	6981	63.00	5659	75.00	74333
38.00	7021	50.00	32515	63.95	501	76.00	6343
38.95	2652	51.00	9850	65.10	21	76.95	767
39.95	34	51.95	394	66.95	355	77.95	553
41.95	51	54.95	341	68.00	14030	78.90	4693
42.90	121	56.00	2407	69.00	14907	79.95	1349
44.00	960	56.95	4434	69.95	1121	80.90	4870
45.00	1405	58.00	213	70.90	64	81.90	1038
46.05	107	59.95	1473	71.95	697	82.95	148
47.00	1628	61.00	7603	73.00	6600	85.80	39

Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.00	47	103.90	740	117.85	530	134.85	277
87.00	5962	104.85	212	118.85	720	135.70	37
87.95	5322	105.80	715	121.90	17	136.85	295
90.90	618	106.85	200	123.85	67	139.80	94
92.00	4261	109.80	117	124.80	67	140.90	1504
93.00	6046	110.90	151	125.80	39	141.85	239
94.00	17907	111.75	118	126.90	18	142.90	1536
95.00	147925	112.85	148	127.90	473	143.70	19
96.00	9647	114.80	171	128.85	243	143.90	76
96.95	279	115.85	570	129.85	477	144.75	129
102.85	95	116.85	884	130.85	240	145.80	187

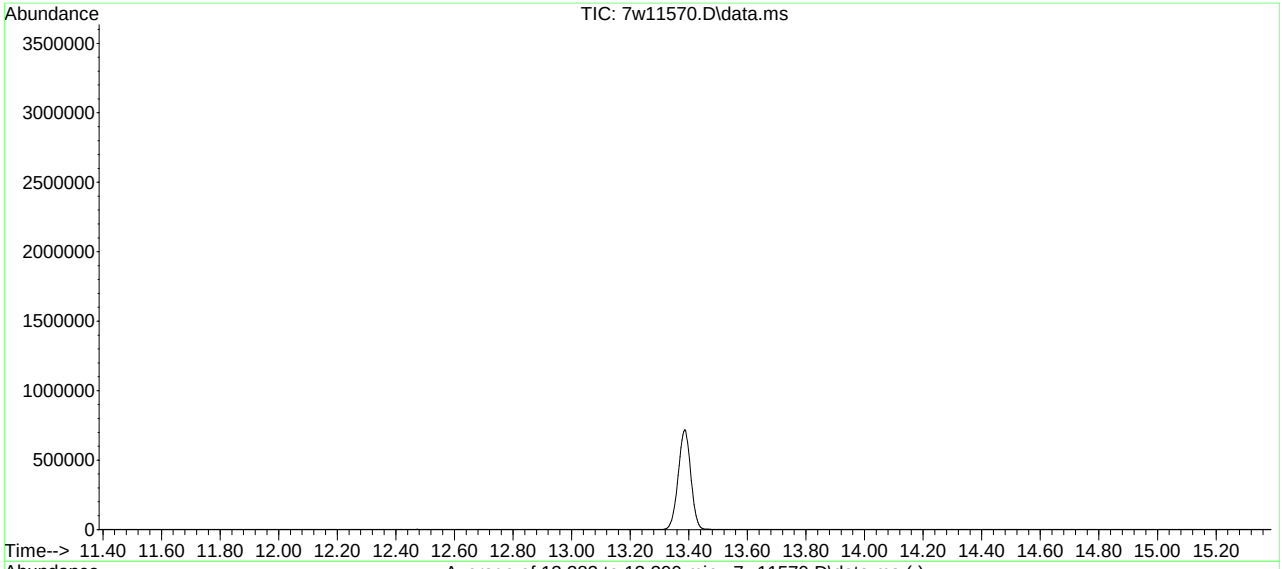
Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

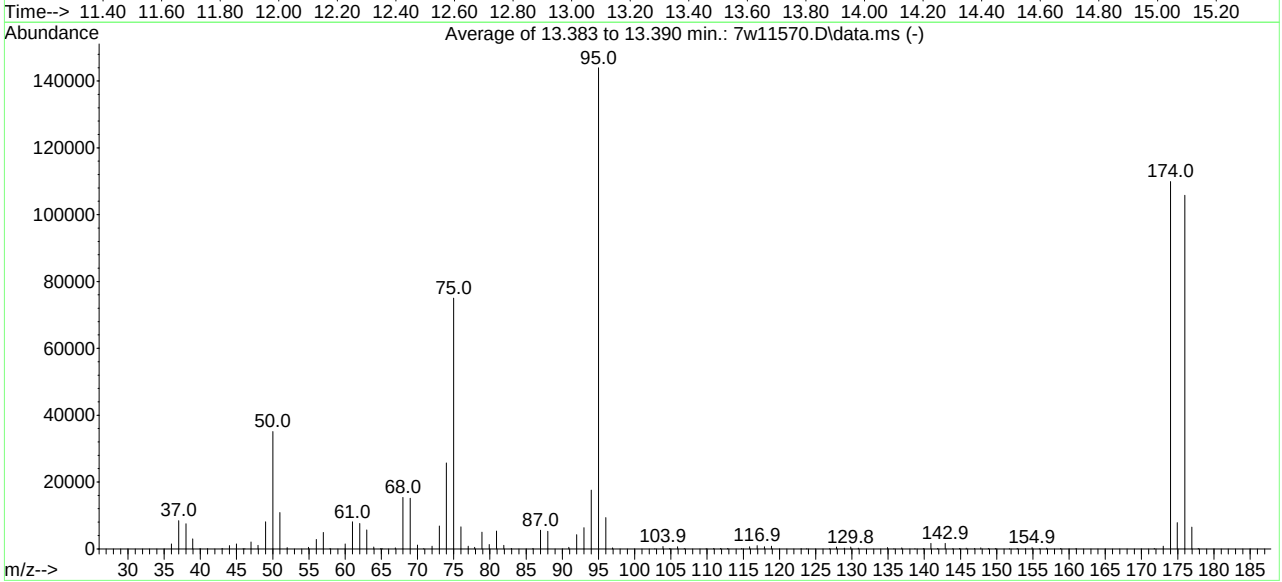
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.85	96	158.85	148				
147.85	305	160.85	155				
148.80	105	171.20	18				
149.85	199	171.85	97				
151.85	46	172.10	38				
152.80	64	172.95	1064				
153.00	25	173.90	111515				
153.85	111	174.90	7970				
154.85	351	175.90	106229				
156.80	83	176.90	7045				
156.95	193	177.85	185				

BFB

```
Data File : X:\Dayton VOA GCMS\g...2025\V7W415\7w11570.D Vial: 9
Acq On    :  7 Jan 2025   8:52 pm                    Operator: benk
Sample    : bfb                                     Inst    : MS7W
Misc      : MS88278,v7w415,,,,,1                    Multiplr: 1.00
MS Integration Params: rteint.p

Method    : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title     : TO15 by GCMS w/DB-1, 30m  X 0.25mm ID X 0.5 um
```





AutoFind: Scans 4135, 4136, 4137; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.4	35117	PASS
75	95	30	66	52.1	74984	PASS
95	95	100	100	100.0	143936	PASS
96	95	5	9	6.5	9388	PASS
173	174	0.00	2	0.8	832	PASS
174	95	50	120	76.4	109941	PASS
175	174	4	9	7.1	7809	PASS
176	174	93	101	96.2	105816	PASS
177	176	5	9	6.2	6522	PASS

7w11570.D M7W405.M Wed Jan 08 21:36:24 2025

Average of 13.383 to 13.390 min.: 7w11570.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1496	47.00	2020	61.00	8126	72.00	842
37.00	8420	47.95	1047	62.00	7624	73.00	6816
38.00	7499	49.00	8077	63.00	5648	74.00	25712
38.95	2971	50.00	35117	63.95	566	75.00	74984
39.95	66	51.00	10884	64.90	57	76.00	6628
41.00	69	52.00	402	65.10	26	77.00	798
43.00	101	54.95	463	66.95	343	77.90	492
44.00	966	56.00	2837	68.00	15401	78.90	5029
45.00	1464	57.00	4928	69.00	15175	79.90	1342
45.90	40	57.90	152	70.00	1171	80.90	5342
46.15	77	60.00	1466	70.80	17	81.90	1051

Average of 13.383 to 13.390 min.: 7w11570.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.95	105	102.80	48	116.90	952	135.80	17
85.95	162	103.90	757	117.90	630	136.90	261
87.00	5608	104.85	169	118.90	785	138.70	25
88.00	5252	105.90	664	123.00	20	139.85	109
90.90	511	106.85	131	123.75	83	140.90	1608
92.00	4243	109.85	79	126.90	20	141.85	155
93.00	6319	110.90	150	127.85	526	142.90	1622
94.00	17568	111.85	121	128.95	254	143.95	61
95.00	143936	112.85	174	129.85	526	144.85	115
96.00	9388	114.80	158	130.90	190	145.80	193
96.95	283	115.85	600	134.90	351	146.95	88

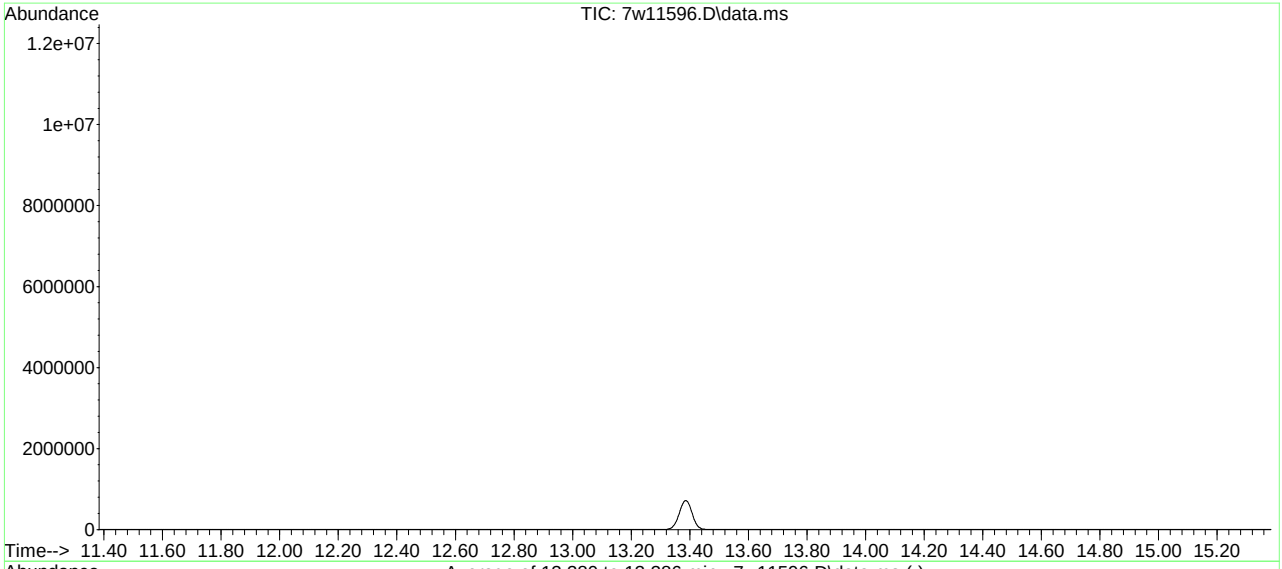
Average of 13.383 to 13.390 min.: 7w11570.D\data.ms
bfb
Modified:subtracted

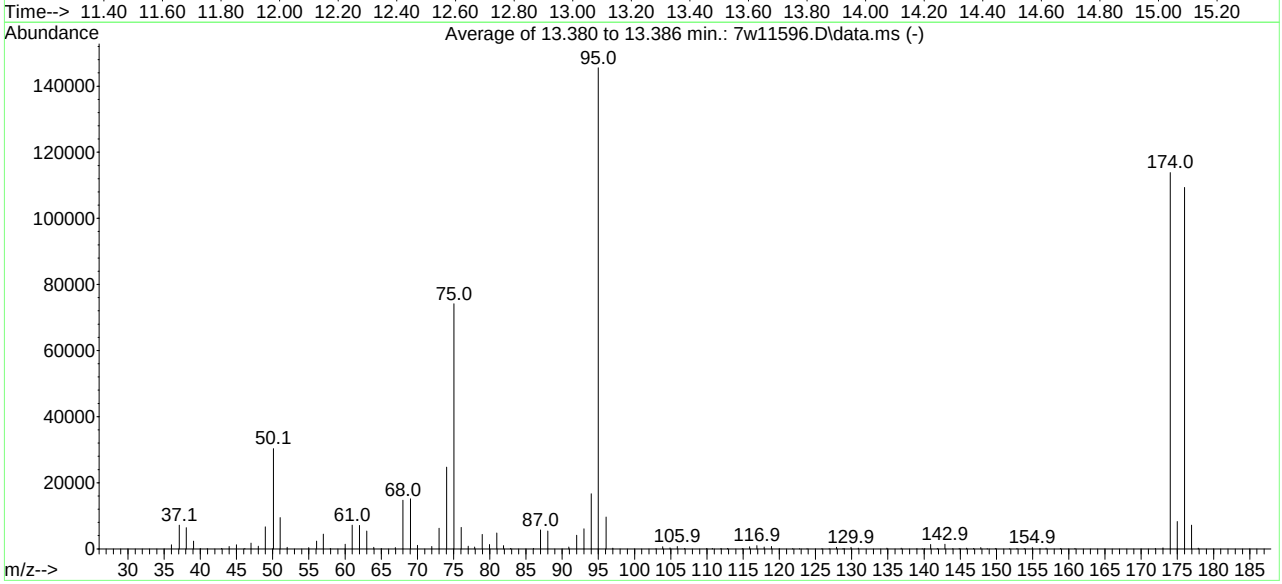
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.80	284	171.75	145				
148.85	95	173.00	832				
149.80	138	174.00	109941				
151.75	84	174.95	7809				
152.85	122	176.00	105816				
153.95	50	176.95	6522				
154.90	363	177.85	140				
155.90	47						
156.90	215						
158.85	168						
160.95	136						

BFB

```
Data File : X:\Dayton VOA GCMS\g...2025\V7W416\7w11596.D Vial: 9
Acq On    :  8 Jan 2025  10:20 pm                    Operator: benk
Sample    : bfb                                      Inst    : MS7W
Misc      : MS88278,v7w416,,,,,1                     Multiplr: 1.00
MS Integration Params: rteint.p

Method    : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title     : TO15 by GCMS w/DB-1, 30m  X 0.25mm ID X 0.5 um
```





AutoFind: Scans 4134, 4135, 4136; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.8	30323	PASS
75	95	30	66	50.9	74131	PASS
95	95	100	100	100.0	145536	PASS
96	95	5	9	6.6	9612	PASS
173	174	0.00	2	0.3	298	PASS
174	95	50	120	78.2	113848	PASS
175	174	4	9	7.3	8258	PASS
176	174	93	101	96.0	109339	PASS
177	176	5	9	6.5	7152	PASS

7w11596.D M7W405.M Thu Jan 09 18:13:17 2025

Average of 13.380 to 13.386 min.: 7w11596.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1275	48.00	821	62.00	7074	75.05	74131
37.10	7181	49.00	6636	63.00	5404	76.05	6517
38.05	6374	50.10	30323	63.95	449	77.00	778
39.05	2313	51.05	9494	65.00	43	77.90	558
40.00	39	52.00	441	66.95	409	78.95	4365
40.95	73	55.00	431	68.00	14726	79.95	1308
42.95	107	56.05	2308	69.05	15169	80.95	4836
44.00	749	57.00	4468	70.00	1081	81.90	950
45.00	1251	57.95	151	72.00	732	82.85	106
46.15	93	60.00	1391	73.00	6259	86.05	140
47.00	1757	61.00	7205	74.05	24744	87.00	5745

Average of 13.380 to 13.386 min.: 7w11596.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	5380	105.90	690	120.00	61	134.85	246
90.90	532	106.90	137	121.80	19	136.85	261
92.00	4133	109.95	110	122.80	21	139.00	21
93.00	6074	110.75	139	123.85	40	139.75	80
94.00	16651	111.95	89	125.90	21	140.10	20
95.00	145536	112.85	114	126.90	66	140.90	1304
96.05	9612	114.90	117	127.90	479	141.85	175
97.00	248	115.90	644	128.80	58	142.90	1388
102.95	84	116.90	986	128.95	142	143.95	53
103.90	680	117.90	597	129.90	499	144.85	132
104.90	271	118.90	739	130.90	218	145.85	208

Average of 13.380 to 13.386 min.: 7w11596.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.85	97	160.85	163				
147.85	382	171.95	106				
148.75	59	173.00	298				
149.85	157	174.00	113848				
151.80	19	175.00	8258				
152.85	91	176.00	109339				
153.85	89	176.95	7152				
154.95	345	177.90	191				
156.00	17						
156.85	209						
158.85	140						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	339655	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1562017	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	815644	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	339655	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	987267	10.65	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.50%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	2172	0.04	PPBV		97
3) FREON 152A	3.546	65	1042	0.04	PPBV		94
4) CHLORODIFLUOROMETHANE	3.576	67	402	0.03	PPBV	#	42
5) CHLOROTRIFLUOROETHENE	3.613	116	2393	0.04	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	5059	0.04	PPBV		99
7) PROPYLENE	3.601	41	1813	0.06	PPBV	#	71
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	5772	0.05	PPBV		93
9) FREON 114	3.839	85	6871	0.04	PPBV		95
10) CHLOROMETHANE	3.778	52	563	0.04	PPBV	#	19
11) VINYL CHLORIDE	3.931	62	2457	0.04	PPBV	#	88
12) 1,3-BUTADIENE	4.035	54	2084	0.06	PPBV	#	65
15) CHLOROETHANE	4.365	64	1195	0.05	PPBV		73
16) DICHLOROFLUOROMETHANE	4.421	67	6506	0.05	PPBV	#	97
19) FREON 123	4.739	83	6283	0.05	PPBV	#	69
20) FREON 123A	4.782	117	3192	0.05	PPBV	#	67
21) TRICHLOROFLUOROMETHANE	4.947	101	4659	0.04	PPBV		93
24) PENTANE	5.234	42	1715	0.05	PPBV		85
25) IODOMETHANE	5.424	142	3839	0.04	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.491	96	1503	0.04	PPBV		85
27) CARBON DISULFIDE	5.846	76	3987	0.04	PPBV	#	71
29) BROMOETHENE	4.629	106	2097	0.04	PPBV	#	72
31) METHYLENE CHLORIDE	5.595	84	1675	0.05	PPBV		87
32) 3-CHLOROPROPENE	5.693	76	558	0.03	PPBV	#	1
33) FREON 113	5.822	151	2213	0.04	PPBV		85
34) TRANS-1,2-DICHLOROETHY...	6.452	96	1478	0.04	PPBV		87
35) TERTIARY BUTYL ALCOHOL	5.662	59	2332	0.03	PPBV	#	69
36) METHYL TERTIARY BUTYL ...	6.806	73	3795	0.04	PPBV		88
38) HEXANE	7.706	57	1901	0.03	PPBV	#	76
40) 1,1-DICHLOROETHANE	6.647	63	2879	0.04	PPBV		87
42) cis-1,2-DICHLOROETHYLENE	7.492	96	1626	0.04	PPBV		83
46) CHLOROFORM	7.810	83	3517	0.04	PPBV		96
47) 2,4-DIMETHYLPENTANE	8.666	57	2035	0.03	PPBV		84
48) 1,1,1-TRICHLOROETHANE	8.874	97	3477	0.04	PPBV		94
49) CARBON TETRACHLORIDE	9.572	117	3442	0.04	PPBV		88
50) 1,2-DICHLOROETHANE	8.611	62	2033	0.03	PPBV	#	91
52) BENZENE	9.400	78	4500	0.04	PPBV		98
53) CYCLOHEXANE	9.694	84	1364	0.03	PPBV		88
54) 2,3-DIMETHYLPENTANE	10.000	71	683	0.03	PPBV	#	38
55) TRICHLOROETHYLENE	10.655	95	2173	0.04	PPBV		93
56) 1,2-DICHLOROPROPANE	10.373	63	1879	0.04	PPBV		67
57) DIBROMOMETHANE	10.349	174	2796	0.05	PPBV		95
59) BROMODICHLOROMETHANE	10.606	83	3467	0.03	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.691	57	6036	0.03	PPBV	#	91
62) HEPTANE	11.040	43	2264	0.03	PPBV		83
65) cis-1,3-DICHLOROPROPENE	11.756	75	2163	0.03	PPBV		73
66) TOLUENE	12.979	92	2538	0.03	PPBV		95
67) 1,3-DICHLOROPROPANE	13.028	76	2245	0.03	PPBV	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

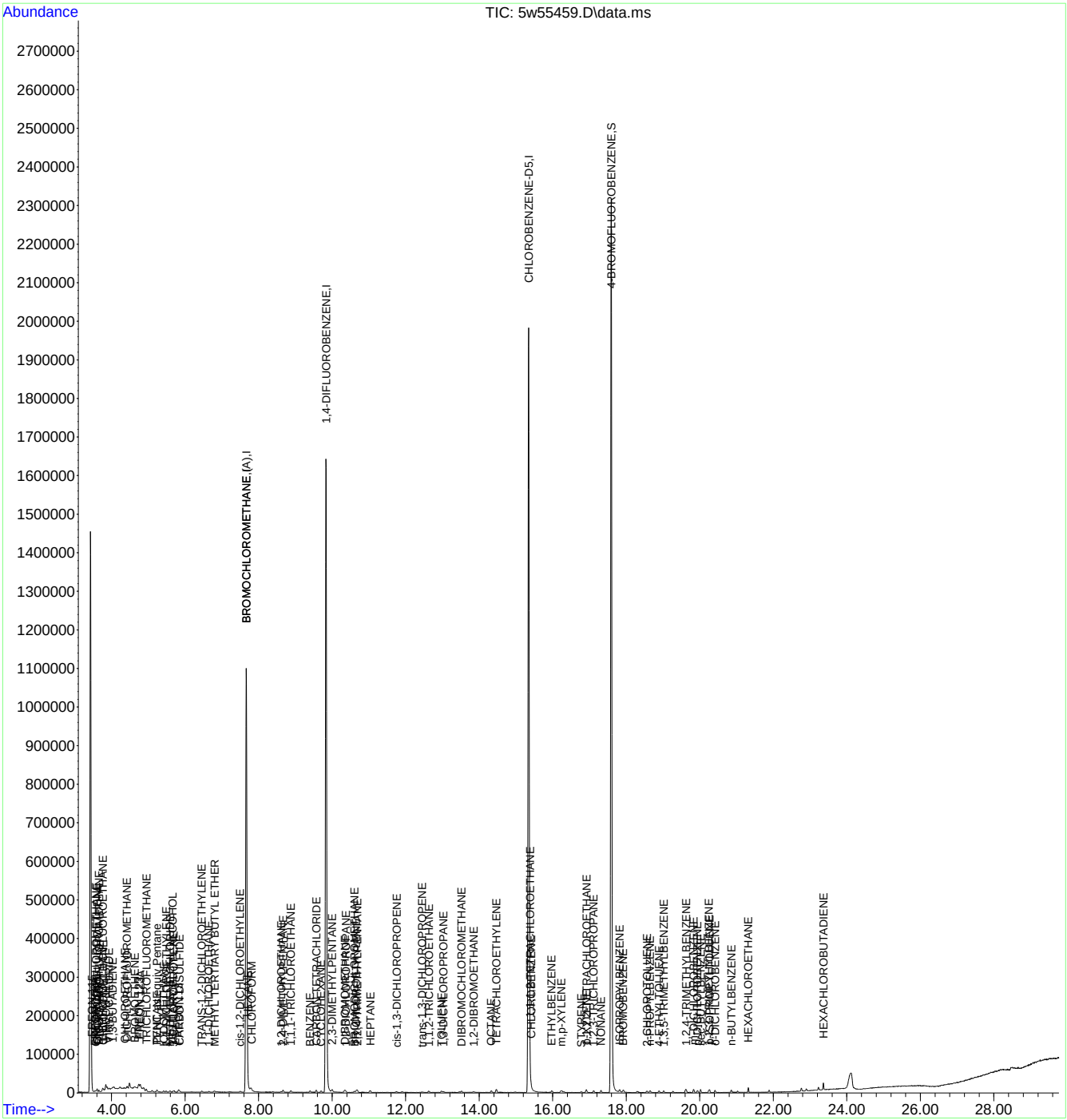
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	trans-1,3-DICHLOROPROPENE	12.441	75	1621	0.02	PPBV	#	72
69)	1,1,2-TRICHLOROETHANE	12.631	83	1711	0.03	PPBV		91
73)	TETRACHLOROETHYLENE	14.466	164	2289	0.04	PPBV		96
74)	DIBROMOCHLOROMETHANE	13.518	129	2451	0.02	PPBV		92
75)	1,2-DIBROMOETHANE	13.848	107	2444	0.03	PPBV	#	99
76)	OCTANE	14.325	43	2490	0.03	PPBV		88
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	2034	0.03	PPBV		90
78)	CHLOROBENZENE	15.414	112	4300	0.04	PPBV	#	48
79)	ETHYLBENZENE	15.971	91	5680	0.03	PPBV		91
80)	m,p-XYLENE	16.234	106	3582	0.05	PPBV	#	78
81)	o-XYLENE	16.913	106	1696	0.03	PPBV		91
82)	STYRENE	16.778	104	2235	0.02	PPBV		85
83)	NONANE	17.311	43	2668	0.03	PPBV	#	83
86)	1,1,2,2-TETRACHLOROETHANE	16.925	83	4487	0.04	PPBV	#	92
87)	1,2,3-TRICHLOROPROPANE	17.109	75	3082	0.04	PPBV		85
88)	ISOPROPYLBENZENE	17.818	105	6235	0.03	PPBV		95
89)	BROMOBENZENE	17.916	77	3942	0.04	PPBV		88
90)	2-CHLOROTOLUENE	18.565	126	1257	0.03	PPBV		59
91)	n-PROPYLBENZENE	18.644	120	1200	0.02	PPBV	#	61
92)	4-ETHYLTOLUENE	18.889	105	4926	0.03	PPBV	#	97
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	4056	0.03	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	4381	0.03	PPBV		95
97)	m-DICHLOROBENZENE	19.831	146	3796	0.03	PPBV		91
99)	p-DICHLOROBENZENE	19.935	146	3500	0.03	PPBV		96
100)	sec-BUTYLBENZENE	20.027	134	1089	0.03	PPBV	#	90
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	4328	0.03	PPBV	#	95
102)	p-ISOPROPYLTOLUENE	20.265	134	1184	0.02	PPBV		94
103)	o-DICHLOROBENZENE	20.418	146	3642	0.03	PPBV		99
104)	n-BUTYLBENZENE	20.865	134	927	0.02	PPBV	#	53
105)	HEXACHLOROETHANE	21.318	117	2307	0.03	PPBV		94
106)	HEXACHLOROBUTADIENE	23.367	225	3647	0.03	PPBV		91
110)	TVHC as equiv Pentane	5.234	TIC	13331	0.06	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	333430	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1533309	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	804190	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	333430	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	985635	10.78	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.80%				
Target Compounds							Qvalue
2) FREON 115	3.472	119	5523	0.10	PPBV		97
3) FREON 152A	3.552	65	2440	0.10	PPBV		99
4) CHLORODIFLUOROMETHANE	3.588	67	1205	0.09	PPBV		74
5) CHLOROTRIFLUOROETHENE	3.613	116	5398	0.09	PPBV		95
6) DICHLORODIFLUOROMETHANE	3.656	85	12499	0.10	PPBV		99
7) PROPYLENE	3.607	41	3754	0.13	PPBV		84
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	13615	0.11	PPBV		97
9) FREON 114	3.845	85	17687	0.12	PPBV		99
10) CHLOROMETHANE	3.784	52	1884	0.12	PPBV	#	78
11) VINYL CHLORIDE	3.931	62	5930	0.11	PPBV		94
12) 1,3-BUTADIENE	4.035	54	4083	0.11	PPBV	#	72
13) n-BUTANE	4.072	43	9842	0.15	PPBV	#	95
14) BROMOMETHANE	4.231	94	8281	0.15	PPBV		91
15) CHLOROETHANE	4.365	64	2881	0.12	PPBV		85
16) DICHLOROFLUOROMETHANE	4.427	67	14568	0.12	PPBV		97
17) ACETONITRILE	4.647	41	4678	0.12	PPBV	#	65
18) ACROLEIN	4.739	56	2049	0.11	PPBV	#	1
19) FREON 123	4.739	83	14828	0.12	PPBV		96
20) FREON 123A	4.788	117	7831	0.12	PPBV		84
21) TRICHLOROFLUOROMETHANE	4.947	101	11923	0.11	PPBV		98
22) ISOPROPYL ALCOHOL	5.093	45	9920	0.14	PPBV		92
24) PENTANE	5.240	42	3946	0.11	PPBV		98
25) IODOMETHANE	5.424	142	9585	0.10	PPBV		96
26) 1,1-DICHLOROETHYLENE	5.485	96	3785	0.11	PPBV		88
27) CARBON DISULFIDE	5.858	76	10145	0.10	PPBV		92
29) BROMOETHENE	4.622	106	5236	0.10	PPBV		91
31) METHYLENE CHLORIDE	5.601	84	3905	0.11	PPBV		95
32) 3-CHLOROPROPENE	5.705	76	1660	0.10	PPBV	#	52
33) FREON 113	5.828	151	6007	0.10	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.458	96	4040	0.11	PPBV		81
35) TERTIARY BUTYL ALCOHOL	5.650	59	6051	0.08	PPBV		93
36) METHYL TERTIARY BUTYL ...	6.794	73	8939	0.09	PPBV		95
37) TETRAHYDROFURAN	8.366	72	939	0.06	PPBV	#	61
38) HEXANE	7.712	57	4501	0.08	PPBV		85
40) 1,1-DICHLOROETHANE	6.647	63	7146	0.10	PPBV		98
41) METHYL ETHYL KETONE	7.155	72	815	0.05	PPBV	#	82
42) cis-1,2-DICHLOROETHYLENE	7.498	96	4154	0.10	PPBV		84
43) DIISOPROPYL ETHER	7.779	59	1194	0.07	PPBV	#	60
44) ETHYL ACETATE	7.834	61	535	0.04	PPBV	#	38
46) CHLOROFORM	7.810	83	8944	0.10	PPBV		91
47) 2,4-DIMETHYLPENTANE	8.666	57	5058	0.08	PPBV		87
48) 1,1,1-TRICHLOROETHANE	8.874	97	9054	0.10	PPBV		96
49) CARBON TETRACHLORIDE	9.572	117	8961	0.09	PPBV		97
50) 1,2-DICHLOROETHANE	8.611	62	5541	0.09	PPBV		96
52) BENZENE	9.400	78	10879	0.09	PPBV		98
53) CYCLOHEXANE	9.706	84	3668	0.08	PPBV		94
54) 2,3-DIMETHYLPENTANE	10.000	71	1964	0.08	PPBV	#	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

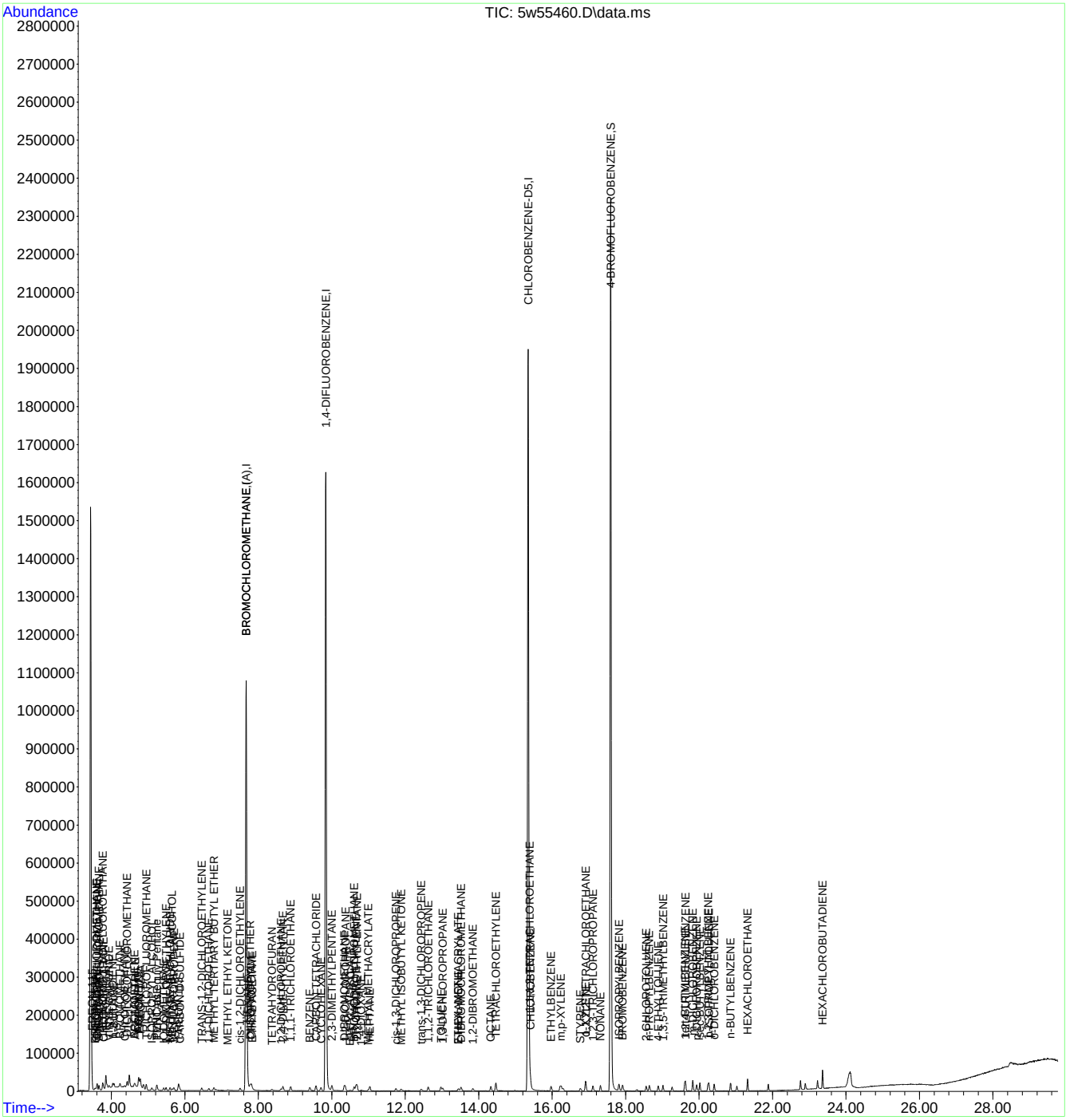
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
55)	TRICHLOROETHYLENE	10.654	95	5207	0.09	PPBV		94
56)	1,2-DICHLOROPROPANE	10.373	63	4453	0.09	PPBV		93
57)	DIBROMOMETHANE	10.342	174	5531	0.10	PPBV		90
58)	ETHYL ACRYLATE	10.495	55	4814	0.06	PPBV	#	73
59)	BROMODICHLOROMETHANE	10.605	83	8911	0.08	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	14978	0.08	PPBV		94
61)	1,4-DIOXANE	10.801	88	2000	0.07	PPBV	#	1
62)	HEPTANE	11.034	43	5175	0.08	PPBV		98
63)	METHYL METHACRYLATE	10.991	69	2482	0.06	PPBV	#	65
64)	METHYL ISOBUTYL KETONE	11.890	58	1969	0.06	PPBV	#	71
65)	cis-1,3-DICHLOROPROPENE	11.743	75	5623	0.07	PPBV		92
66)	TOLUENE	12.973	92	6560	0.08	PPBV		97
67)	1,3-DICHLOROPROPANE	13.022	76	6020	0.08	PPBV	#	91
68)	trans-1,3-DICHLOROPROPENE	12.429	75	4364	0.06	PPBV		84
69)	1,1,2-TRICHLOROETHANE	12.624	83	4269	0.09	PPBV		96
71)	2-HEXANONE	13.450	58	1982	0.04	PPBV	#	42
72)	ETHYL METHACRYLATE	13.432	69	3502	0.05	PPBV	#	90
73)	TETRACHLOROETHYLENE	14.472	164	5984	0.11	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.517	129	7109	0.07	PPBV		95
75)	1,2-DIBROMOETHANE	13.836	107	7065	0.09	PPBV	#	99
76)	OCTANE	14.325	43	6427	0.08	PPBV		92
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	6008	0.10	PPBV		94
78)	CHLOROBENZENE	15.408	112	11162	0.10	PPBV	#	48
79)	ETHYLBENZENE	15.965	91	14102	0.08	PPBV		95
80)	m,p-XYLENE	16.234	106	9481	0.14	PPBV		99
81)	o-XYLENE	16.907	106	4760	0.07	PPBV		90
82)	STYRENE	16.766	104	6206	0.06	PPBV		94
83)	NONANE	17.310	43	6297	0.07	PPBV	#	91
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	11296	0.09	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.109	75	8353	0.10	PPBV		99
88)	ISOPROPYLBENZENE	17.818	105	15817	0.08	PPBV		98
89)	BROMOBENZENE	17.916	77	9455	0.09	PPBV		95
90)	2-CHLOROTOLUENE	18.552	126	3541	0.07	PPBV		88
91)	n-PROPYLBENZENE	18.638	120	3339	0.07	PPBV		94
92)	4-ETHYLTOLUENE	18.883	105	13159	0.07	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	11418	0.07	PPBV		95
95)	tert-BUTYLBENZENE	19.617	134	2169	0.06	PPBV	#	89
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	10880	0.06	PPBV		95
97)	m-DICHLOROBENZENE	19.825	146	9479	0.08	PPBV		98
99)	p-DICHLOROBENZENE	19.935	146	9928	0.09	PPBV		98
100)	sec-BUTYLBENZENE	20.021	134	2915	0.07	PPBV		92
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	11857	0.07	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.265	134	3311	0.07	PPBV		97
103)	o-DICHLOROBENZENE	20.412	146	9802	0.09	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	2781	0.06	PPBV	#	75
105)	HEXACHLOROETHANE	21.318	117	6060	0.07	PPBV		96
106)	HEXACHLOROBUTADIENE	23.361	225	8613	0.08	PPBV		98
110)	TVHC as equiv Pentane	5.234	TIC	32564	0.14	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	334972	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1532765	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	812540	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	334972	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	990143	10.72	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.20%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	9311	0.17	PPBV		97
3) FREON 152A	3.546	65	5104	0.20	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	2636	0.19	PPBV		89
5) CHLOROTRIFLUOROETHENE	3.607	116	11548	0.20	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	25208	0.20	PPBV		98
7) PROPYLENE	3.601	41	6295	0.22	PPBV		91
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	27839	0.22	PPBV		97
9) FREON 114	3.845	85	35981	0.24	PPBV		96
10) CHLOROMETHANE	3.772	52	3787	0.24	PPBV	#	76
11) VINYL CHLORIDE	3.931	62	12507	0.23	PPBV		99
12) 1,3-BUTADIENE	4.029	54	8476	0.24	PPBV		90
13) n-BUTANE	4.066	43	17914	0.27	PPBV	#	95
14) BROMOMETHANE	4.231	94	13070	0.24	PPBV		94
15) CHLOROETHANE	4.359	64	5838	0.24	PPBV		92
16) DICHLOROFLUOROMETHANE	4.420	67	28789	0.24	PPBV		99
17) ACETONITRILE	4.641	41	10098	0.26	PPBV	#	79
18) ACROLEIN	4.732	56	3711	0.20	PPBV	#	16
19) FREON 123	4.739	83	29093	0.24	PPBV		99
20) FREON 123A	4.781	117	16016	0.24	PPBV		91
21) TRICHLOROFLUOROMETHANE	4.940	101	24059	0.21	PPBV		99
22) ISOPROPYL ALCOHOL	5.087	45	17230	0.24	PPBV		79
23) ACETONE	4.861	58	9631	0.44	PPBV		93
24) PENTANE	5.234	42	7781	0.22	PPBV		98
25) IODOMETHANE	5.418	142	19206	0.19	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.485	96	7466	0.21	PPBV		91
27) CARBON DISULFIDE	5.852	76	21129	0.20	PPBV		96
29) BROMOETHENE	4.616	106	11097	0.22	PPBV		97
30) ACRYLONITRILE	5.222	52	13028	0.58	PPBV		95
31) METHYLENE CHLORIDE	5.595	84	7591	0.22	PPBV		95
32) 3-CHLOROPROPENE	5.699	76	3438	0.20	PPBV	#	65
33) FREON 113	5.821	151	11480	0.19	PPBV		92
34) TRANS-1,2-DICHLOROETHY...	6.458	96	7568	0.20	PPBV		94
35) TERTIARY BUTYL ALCOHOL	5.638	59	12091	0.16	PPBV		94
36) METHYL TERTIARY BUTYL ...	6.776	73	17880	0.17	PPBV		92
37) TETRAHYDROFURAN	8.342	72	2081	0.12	PPBV	#	61
38) HEXANE	7.706	57	9519	0.17	PPBV	#	79
39) VINYL ACETATE	6.843	86	448	0.07	PPBV	#	1
40) 1,1-DICHLOROETHANE	6.653	63	14588	0.20	PPBV		98
41) METHYL ETHYL KETONE	7.137	72	2221	0.13	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.498	96	7416	0.19	PPBV		99
43) DIISOPROPYL ETHER	7.767	59	2706	0.16	PPBV	#	82
44) ETHYL ACETATE	7.810	61	1722	0.14	PPBV	#	38
45) METHYL ACRYLATE	7.797	55	9313m	0.13	PPBV		
46) CHLOROFORM	7.804	83	18397	0.21	PPBV		92
47) 2,4-DIMETHYLPENTANE	8.666	57	11164	0.17	PPBV		90
48) 1,1,1-TRICHLOROETHANE	8.874	97	17633	0.20	PPBV		96
49) CARBON TETRACHLORIDE	9.565	117	18453	0.19	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.611	62	12009	0.20	PPBV		98
52)	BENZENE	9.394	78	21730	0.19	PPBV		99
53)	CYCLOHEXANE	9.700	84	7528	0.16	PPBV		94
54)	2,3-DIMETHYLPENTANE	10.000	71	4203	0.17	PPBV	#	84
55)	TRICHLOROETHYLENE	10.648	95	10750	0.18	PPBV		98
56)	1,2-DICHLOROPROPANE	10.367	63	9173	0.19	PPBV		94
57)	DIBROMOMETHANE	10.336	174	11081	0.21	PPBV		96
58)	ETHYL ACRYLATE	10.477	55	10722	0.12	PPBV	#	89
59)	BROMODICHLOROMETHANE	10.605	83	18157	0.17	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	30352	0.16	PPBV		96
61)	1,4-DIOXANE	10.777	88	4553	0.16	PPBV	#	1
62)	HEPTANE	11.034	43	10843	0.17	PPBV		98
63)	METHYL METHACRYLATE	10.985	69	5874	0.14	PPBV		88
64)	METHYL ISOBUTYL KETONE	11.872	58	4610	0.13	PPBV	#	75
65)	cis-1,3-DICHLOROPROPENE	11.737	75	12276	0.15	PPBV		93
66)	TOLUENE	12.967	92	13467	0.16	PPBV		98
67)	1,3-DICHLOROPROPANE	13.022	76	12399	0.17	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.429	75	10502	0.14	PPBV		92
69)	1,1,2-TRICHLOROETHANE	12.618	83	9074	0.19	PPBV		98
71)	2-HEXANONE	13.426	58	5591	0.12	PPBV	#	68
72)	ETHYL METHACRYLATE	13.426	69	7979	0.12	PPBV		92
73)	TETRACHLOROETHYLENE	14.466	164	11793	0.22	PPBV		98
74)	DIBROMOCHLOROMETHANE	13.511	129	14897	0.15	PPBV		98
75)	1,2-DIBROMOETHANE	13.836	107	14712	0.18	PPBV	#	97
76)	OCTANE	14.331	43	13225	0.16	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	12320	0.19	PPBV		95
78)	CHLOROBENZENE	15.408	112	22541	0.21	PPBV		97
79)	ETHYLBENZENE	15.965	91	29130	0.17	PPBV		98
80)	m,p-XYLENE	16.240	106	19915	0.30	PPBV		97
81)	o-XYLENE	16.907	106	9697	0.15	PPBV		95
82)	STYRENE	16.760	104	13243	0.14	PPBV		97
83)	NONANE	17.310	43	13708	0.16	PPBV		97
84)	BROMOFORM	16.295	173	8706	0.09	PPBV		96
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	24040	0.20	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.102	75	17778	0.21	PPBV		96
88)	ISOPROPYLBENZENE	17.818	105	32811	0.17	PPBV		99
89)	BROMOBENZENE	17.910	77	19537	0.19	PPBV		95
90)	2-CHLOROTOLUENE	18.552	126	7829	0.16	PPBV		94
91)	n-PROPYLBENZENE	18.638	120	7841	0.15	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	27822	0.15	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	24334	0.15	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.262	118	9644	0.12	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	4755	0.14	PPBV		90
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	25504	0.15	PPBV		99
97)	m-DICHLOROBENZENE	19.825	146	21451	0.17	PPBV		99
98)	BENZYL CHLORIDE	19.819	91	23238	0.13	PPBV		96
99)	p-DICHLOROBENZENE	19.929	146	21116	0.18	PPBV		99
100)	sec-BUTYLBENZENE	20.014	134	6501	0.16	PPBV	#	89
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	25578	0.15	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.265	134	7256	0.15	PPBV		94
103)	o-DICHLOROBENZENE	20.406	146	20937	0.19	PPBV		97
104)	n-BUTYLBENZENE	20.859	134	6435	0.14	PPBV	#	88
105)	HEXACHLOROETHANE	21.318	117	12703	0.15	PPBV		95
106)	HEXACHLOROBUTADIENE	23.361	225	17057	0.16	PPBV		97
107)	1,2,4-TRICHLOROBENZENE	23.220	180	16218	0.16	PPBV		98
108)	NAPHTHALENE	22.890	128	33921	0.14	PPBV		97
110)	TVHC as equiv Pentane	5.228	TIC	75387	0.32	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

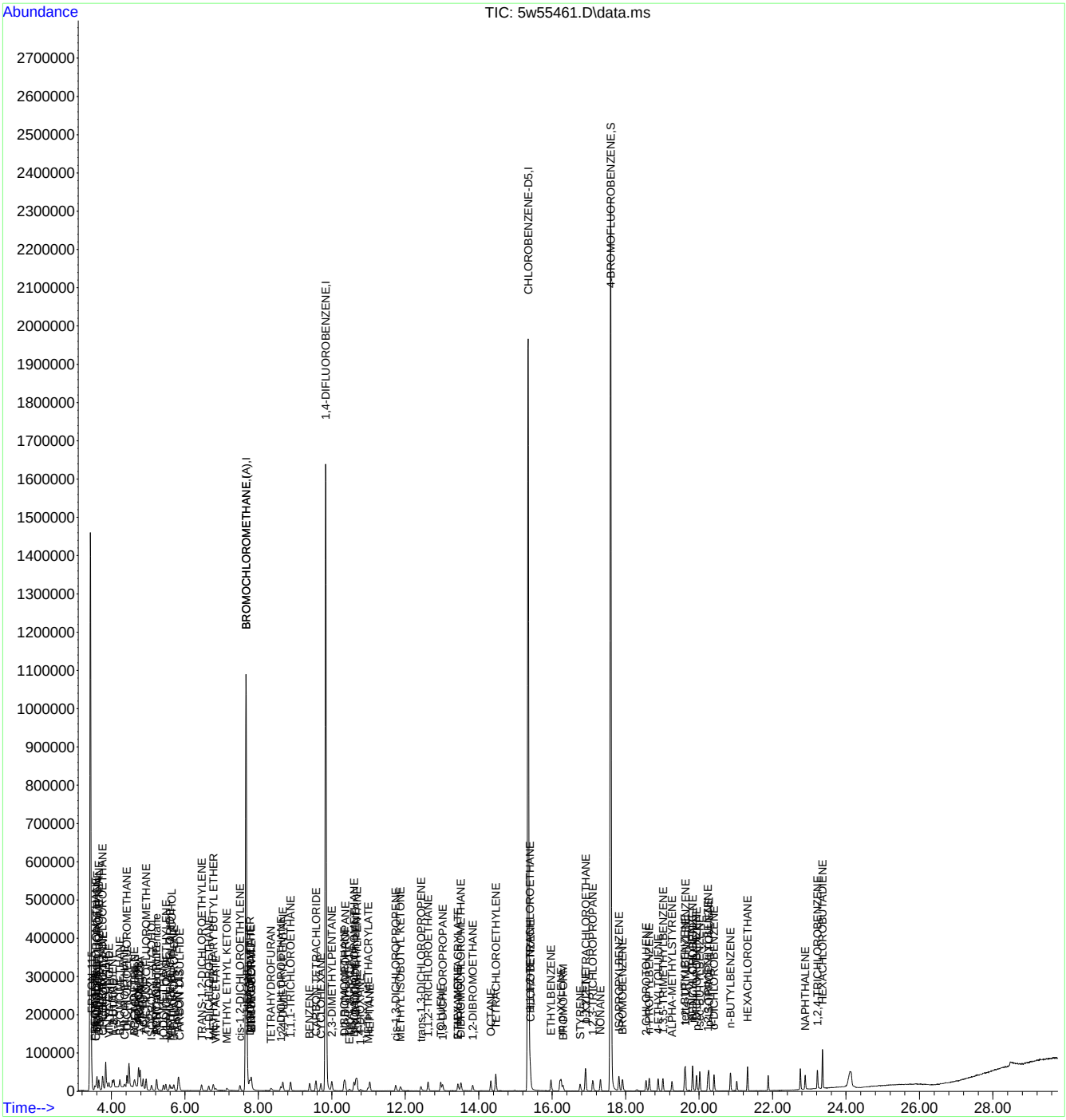
7.7.3

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

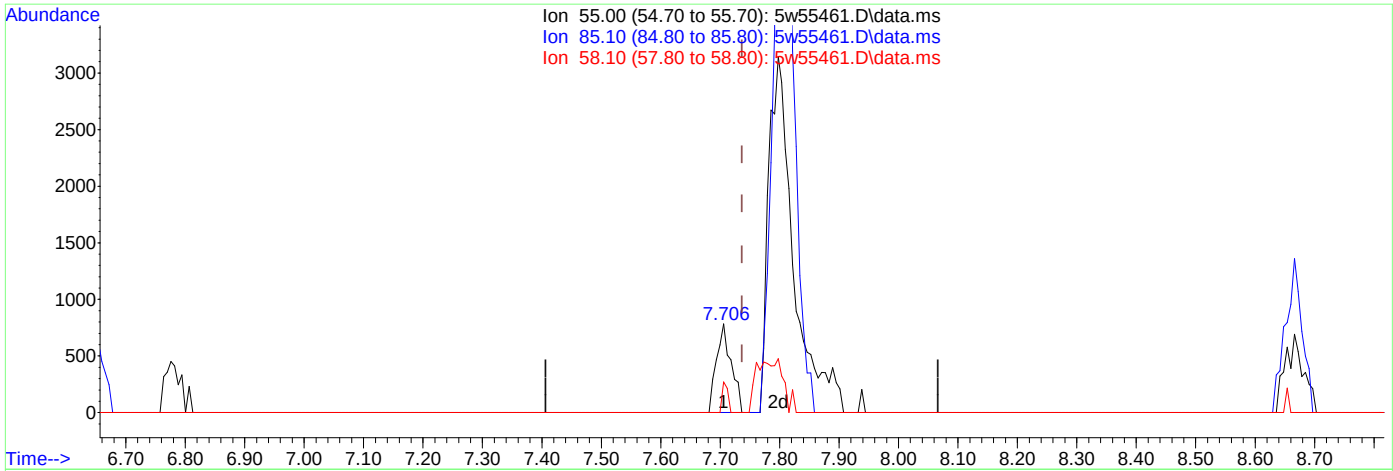
Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

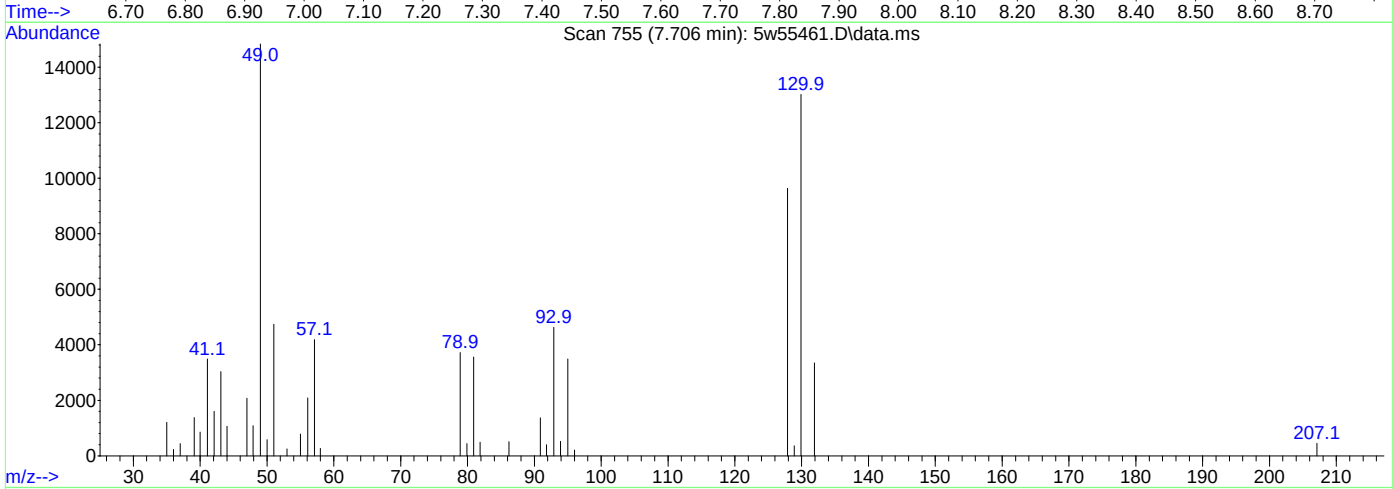


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.02PPBV

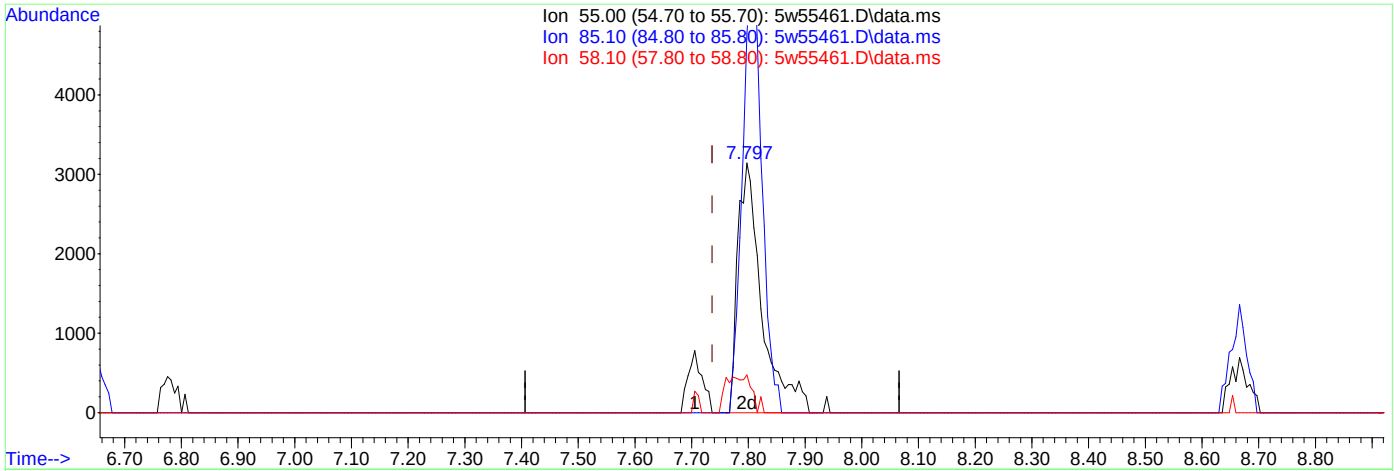
response 1349

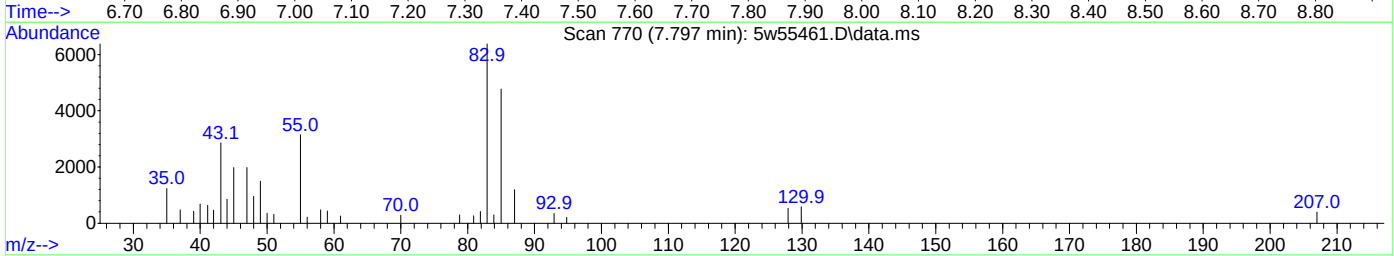
Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	13.19
0.00	0.00	0.00

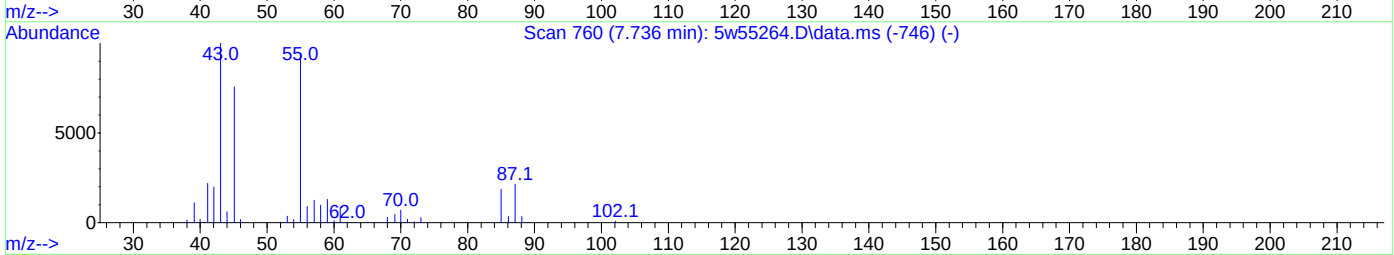
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration







TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.797min (+0.061) 0.13PPBV m

response 9313

Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	1.91#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	330769	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1512302	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	803446	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	330769	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	985952	10.80	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.00%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	29319	0.53	PPBV		99
3) FREON 152A	3.546	65	13383	0.53	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	6908	0.51	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	29810	0.52	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	67318	0.54	PPBV		100
7) PROPYLENE	3.601	41	16353	0.57	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	72198	0.58	PPBV		99
9) FREON 114	3.839	85	94289	0.63	PPBV		96
10) CHLOROMETHANE	3.772	52	9386	0.61	PPBV		96
11) VINYL CHLORIDE	3.931	62	32272	0.60	PPBV		97
12) 1,3-BUTADIENE	4.029	54	22258	0.63	PPBV		92
13) n-BUTANE	4.066	43	46066	0.70	PPBV	#	95
14) BROMOMETHANE	4.231	94	34352	0.64	PPBV		99
15) CHLOROETHANE	4.359	64	15312	0.64	PPBV		97
16) DICHLOROFLUOROMETHANE	4.421	67	75373	0.64	PPBV		99
17) ACETONITRILE	4.635	41	25964	0.67	PPBV	#	91
18) ACROLEIN	4.733	56	11639	0.65	PPBV	#	70
19) FREON 123	4.733	83	77441	0.64	PPBV		99
20) FREON 123A	4.781	117	41439	0.64	PPBV		88
21) TRICHLOROFLUOROMETHANE	4.941	101	65623	0.59	PPBV		100
22) ISOPROPYL ALCOHOL	5.075	45	39268	0.56	PPBV		91
23) ACETONE	4.855	58	15107	0.70	PPBV		95
24) PENTANE	5.234	42	20184	0.57	PPBV		98
25) IODOMETHANE	5.418	142	52352	0.54	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.479	96	19140	0.54	PPBV		99
27) CARBON DISULFIDE	5.852	76	57576	0.55	PPBV		94
28) ETHANOL	4.476	45	20172	0.78	PPBV		95
29) BROMOETHENE	4.622	106	29626	0.59	PPBV		94
30) ACRYLONITRILE	5.216	52	13527	0.61	PPBV		98
31) METHYLENE CHLORIDE	5.589	84	20169	0.60	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	8647	0.50	PPBV		89
33) FREON 113	5.821	151	32099	0.55	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.458	96	20028	0.53	PPBV		97
35) TERTIARY BUTYL ALCOHOL	5.620	59	35107	0.47	PPBV		94
36) METHYL TERTIARY BUTYL ...	6.757	73	52017	0.51	PPBV		94
37) TETRAHYDROFURAN	8.311	72	7703	0.46	PPBV		95
38) HEXANE	7.706	57	28766	0.51	PPBV		94
39) VINYL ACETATE	6.831	86	2531	0.38	PPBV	#	75
40) 1,1-DICHLOROETHANE	6.647	63	39839	0.56	PPBV		100
41) METHYL ETHYL KETONE	7.112	72	7562	0.44	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.498	96	20793	0.53	PPBV		98
43) DIISOPROPYL ETHER	7.755	59	8150	0.47	PPBV	#	89
44) ETHYL ACETATE	7.791	61	5941	0.48	PPBV	#	72
45) METHYL ACRYLATE	7.773	55	30367m	0.44	PPBV		
46) CHLOROFORM	7.804	83	51722	0.59	PPBV		93
47) 2,4-DIMETHYLPENTANE	8.666	57	31054	0.49	PPBV		91
48) 1,1,1-TRICHLOROETHANE	8.874	97	49711	0.56	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	51155	0.54	PPBV		99
50) 1,2-DICHLOROETHANE	8.605	62	32790	0.56	PPBV		100
52) BENZENE	9.400	78	61342	0.54	PPBV		99
53) CYCLOHEXANE	9.700	84	22074	0.49	PPBV		99
54) 2,3-DIMETHYLPENTANE	10.000	71	12638	0.53	PPBV		99
55) TRICHLOROETHYLENE	10.648	95	29925	0.51	PPBV		99
56) 1,2-DICHLOROPROPANE	10.361	63	24473	0.52	PPBV		99
57) DIBROMOMETHANE	10.336	174	25731	0.49	PPBV		94
58) ETHYL ACRYLATE	10.459	55	34390	0.41	PPBV		97
59) BROMODICHLOROMETHANE	10.606	83	54534	0.51	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	91844	0.50	PPBV		99
61) 1,4-DIOXANE	10.752	88	11768	0.42	PPBV	#	1
62) HEPTANE	11.028	43	32330	0.51	PPBV		98
63) METHYL METHACRYLATE	10.966	69	18848	0.46	PPBV		83
64) METHYL ISOBUTYL KETONE	11.847	58	14953	0.43	PPBV		90
65) cis-1,3-DICHLOROPROPENE	11.737	75	36246	0.46	PPBV		98
66) TOLUENE	12.967	92	37107	0.44	PPBV		94
67) 1,3-DICHLOROPROPANE	13.016	76	36900	0.51	PPBV	#	99
68) trans-1,3-DICHLOROPROPENE	12.422	75	30719	0.41	PPBV		98
69) 1,1,2-TRICHLOROETHANE	12.618	83	25850	0.54	PPBV		96
71) 2-HEXANONE	13.414	58	18867	0.40	PPBV		81
72) ETHYL METHACRYLATE	13.420	69	27662	0.41	PPBV		96
73) TETRACHLOROETHYLENE	14.466	164	29587	0.56	PPBV		97
74) DIBROMOCHLOROMETHANE	13.511	129	49591	0.50	PPBV		99
75) 1,2-DIBROMOETHANE	13.830	107	43159	0.55	PPBV		100
76) OCTANE	14.331	43	39430	0.47	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	33689	0.53	PPBV		99
78) CHLOROBENZENE	15.408	112	61057	0.57	PPBV		99
79) ETHYLBENZENE	15.965	91	85402	0.50	PPBV		100
80) m,p-XYLENE	16.234	106	62887	0.96	PPBV		97
81) o-XYLENE	16.901	106	31745	0.50	PPBV		99
82) STYRENE	16.754	104	41244	0.43	PPBV		99
83) NONANE	17.311	43	44116	0.51	PPBV		99
84) BROMOFORM	16.289	173	46583	0.47	PPBV		98
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	65656	0.55	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	17.103	75	47874	0.57	PPBV		99
88) ISOPROPYLBENZENE	17.812	105	96512	0.51	PPBV		99
89) BROMOBENZENE	17.910	77	54823	0.55	PPBV		97
90) 2-CHLOROTOLUENE	18.552	126	22897	0.47	PPBV		98
91) n-PROPYLBENZENE	18.644	120	24216	0.48	PPBV		99
92) 4-ETHYLTOLUENE	18.883	105	90895	0.48	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	80703	0.51	PPBV		98
94) ALPHA-METHYLSTYRENE	19.256	118	33242	0.41	PPBV		98
95) tert-BUTYLBENZENE	19.611	134	15702	0.47	PPBV		96
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	84521	0.49	PPBV		98
97) m-DICHLOROBENZENE	19.819	146	62123	0.50	PPBV		99
98) BENZYL CHLORIDE	19.813	91	70482	0.40	PPBV		99
99) p-DICHLOROBENZENE	19.923	146	63407	0.55	PPBV		99
100) sec-BUTYLBENZENE	20.015	134	20901	0.52	PPBV		93
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	81958	0.48	PPBV	#	99
102) p-ISOPROPYLTOLUENE	20.265	134	24822	0.52	PPBV		99
103) o-DICHLOROBENZENE	20.406	146	59304	0.54	PPBV		100
104) n-BUTYLBENZENE	20.853	134	20380	0.44	PPBV	#	85
105) HEXACHLOROETHANE	21.318	117	42179	0.51	PPBV		98
106) HEXACHLOROBUTADIENE	23.361	225	47455	0.44	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	23.220	180	41162	0.42	PPBV		100
108) NAPHTHALENE	22.890	128	92472	0.40	PPBV		98
110) TVHC as equiv Pentane	5.234	TIC	140261	0.60	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

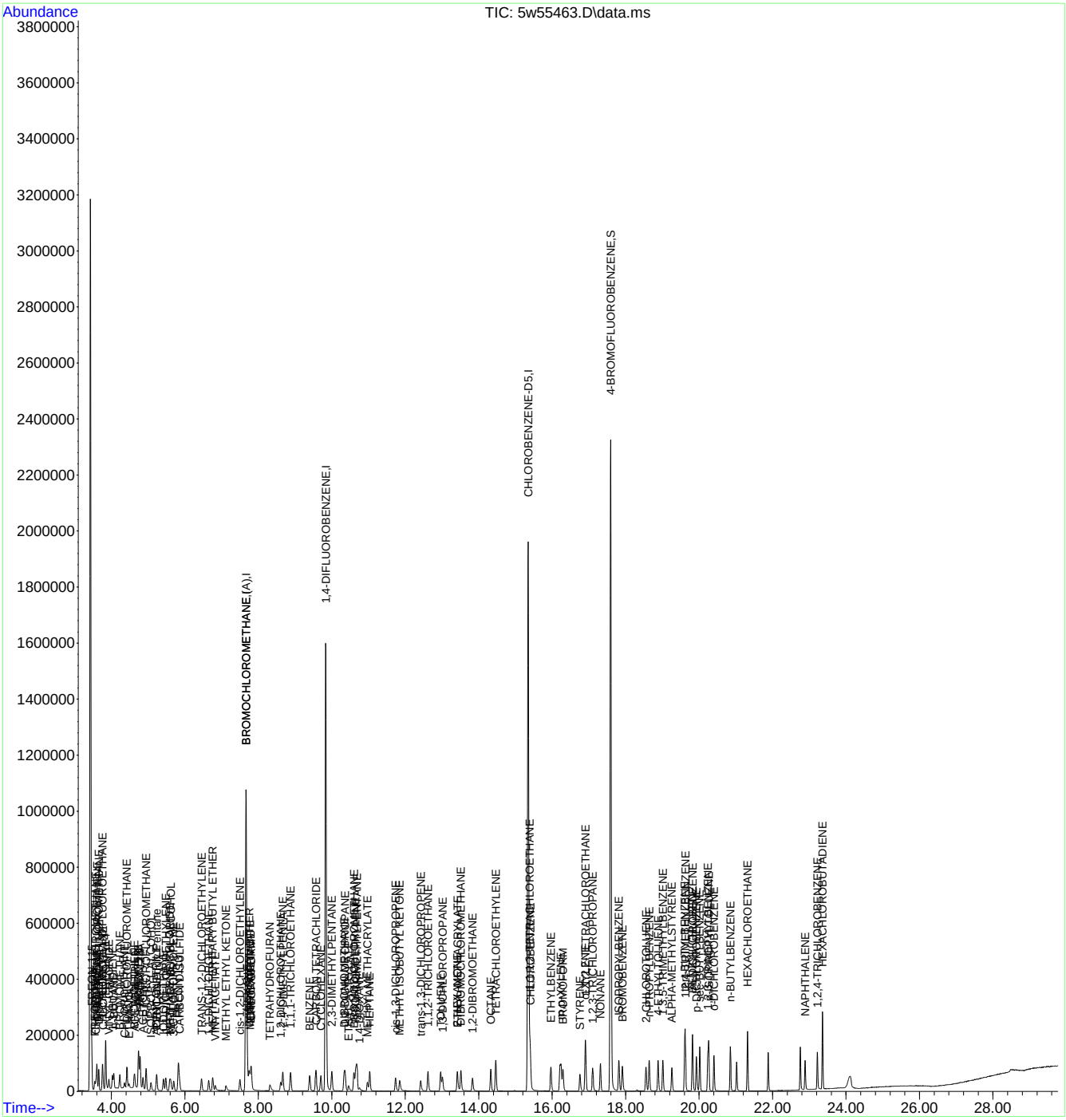
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

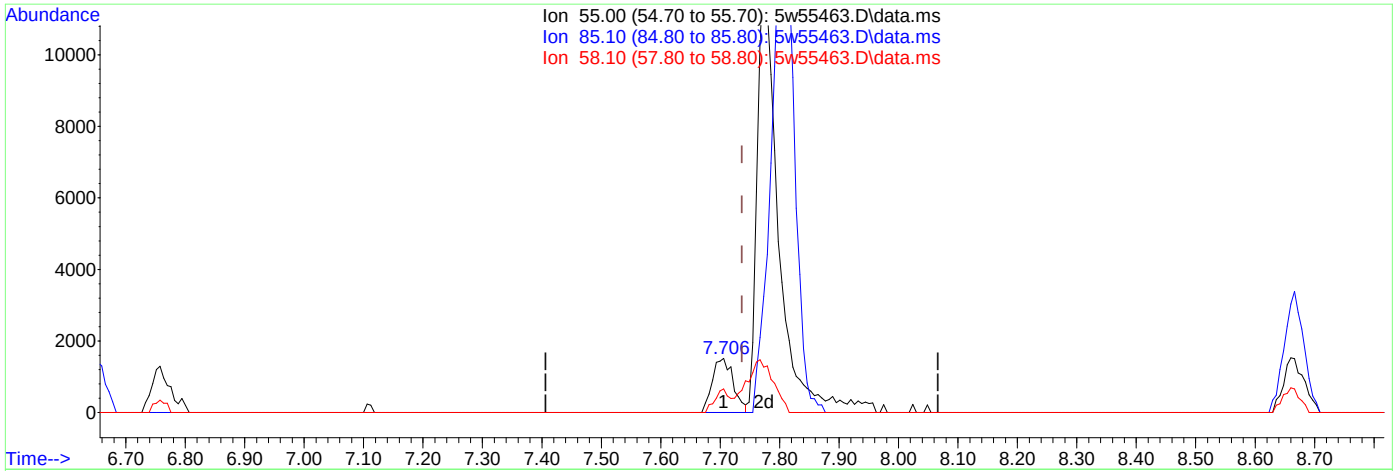
Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

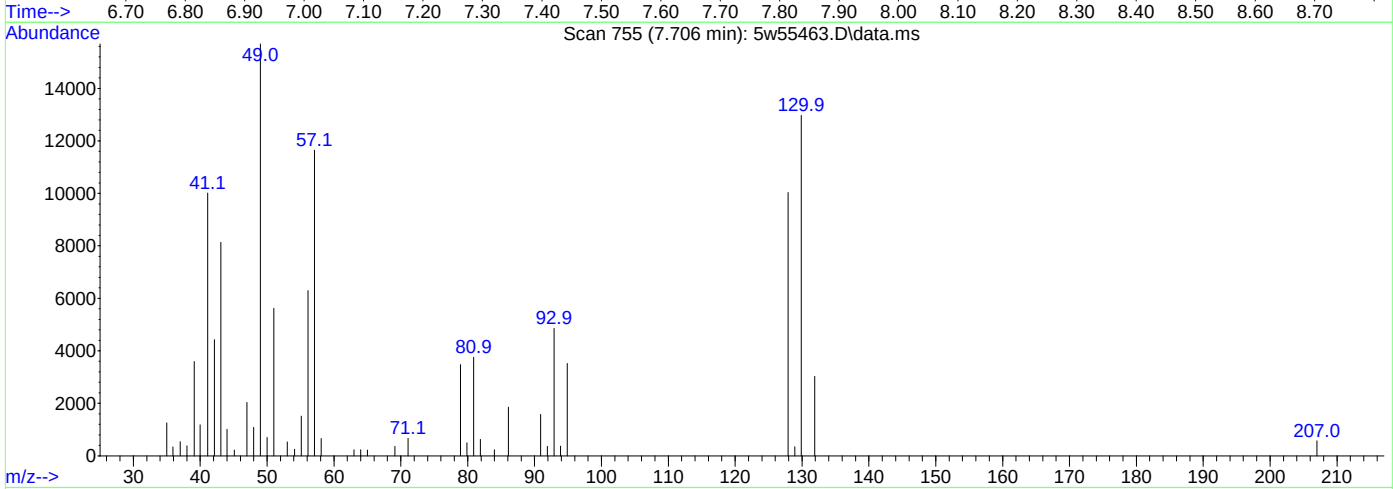


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:04:00 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.05PPBV

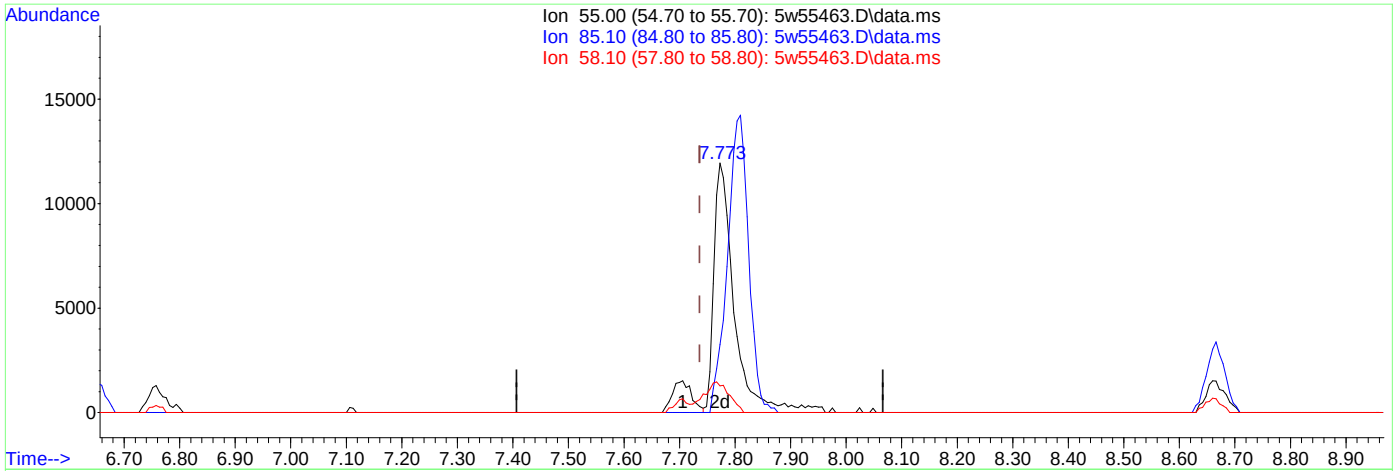
response 3694

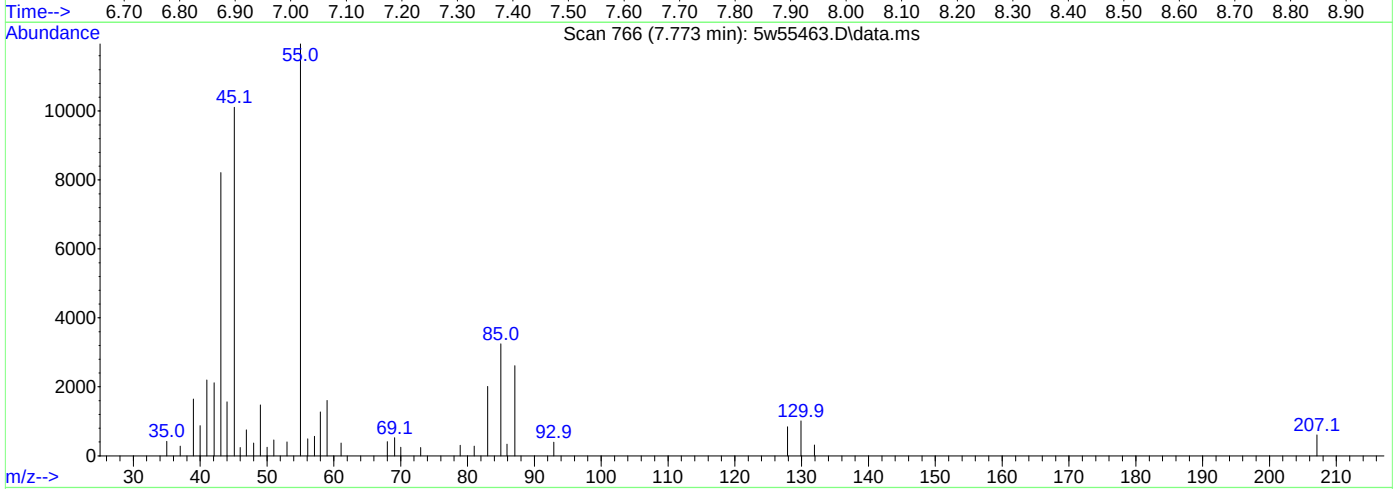
Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	33.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.773min (+0.037) 0.44PPBV m

response 30367

Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	4.10#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	327920	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1483978	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	823417	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	327920	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	995950	10.64	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.40%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	112593	2.06	PPBV		98
3) FREON 152A	3.546	65	138374	5.57	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	71231	5.35	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	305049	5.34	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	679721	5.49	PPBV		100
7) PROPYLENE	3.601	41	160514	5.68	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	719596	5.85	PPBV		99
9) FREON 114	3.839	85	918552	6.22	PPBV		97
10) CHLOROMETHANE	3.772	52	89496	5.90	PPBV	#	71
11) VINYL CHLORIDE	3.931	62	318611	5.93	PPBV		100
12) 1,3-BUTADIENE	4.029	54	216237	6.19	PPBV		98
13) n-BUTANE	4.066	43	413584	6.32	PPBV		98
14) BROMOMETHANE	4.231	94	319635	5.98	PPBV		98
15) CHLOROETHANE	4.353	64	140980	5.93	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	720353	6.14	PPBV		100
17) ACETONITRILE	4.622	41	231715	6.04	PPBV		100
18) ACROLEIN	4.714	56	103691	5.80	PPBV		99
19) FREON 123	4.733	83	730677	6.12	PPBV		99
20) FREON 123A	4.775	117	396421	6.14	PPBV		94
21) TRICHLOROFLUOROMETHANE	4.941	101	629552	5.66	PPBV		100
22) ISOPROPYL ALCOHOL	5.038	45	341979	4.90	PPBV		96
23) ACETONE	4.830	58	136235	6.39	PPBV		97
24) PENTANE	5.228	42	201069	5.72	PPBV		100
25) IODOMETHANE	5.418	142	526543	5.43	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.479	96	189977	5.42	PPBV		100
27) CARBON DISULFIDE	5.852	76	580467	5.55	PPBV		99
28) ETHANOL	4.457	45	137349	5.34	PPBV		98
29) BROMOETHENE	4.616	106	289326	5.82	PPBV		99
30) ACRYLONITRILE	5.204	52	145480	6.60	PPBV		99
31) METHYLENE CHLORIDE	5.589	84	187716	5.61	PPBV		98
32) 3-CHLOROPROPENE	5.693	76	89978	5.26	PPBV		97
33) FREON 113	5.822	151	310417	5.35	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.452	96	194904	5.24	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.558	59	337505	4.54	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.715	73	543685	5.34	PPBV		99
37) TETRAHYDROFURAN	8.256	72	86439	5.17	PPBV		98
38) HEXANE	7.706	57	308459	5.52	PPBV		100
39) VINYL ACETATE	6.806	86	34745	5.27	PPBV	#	93
40) 1,1-DICHLOROETHANE	6.647	63	386526	5.53	PPBV		99
41) METHYL ETHYL KETONE	7.063	72	91801	5.38	PPBV		94
42) cis-1,2-DICHLOROETHYLENE	7.498	96	208218	5.31	PPBV		99
43) DIISOPROPYL ETHER	7.718	59	92706	5.43	PPBV		97
44) ETHYL ACETATE	7.761	61	65000	5.24	PPBV	#	38
45) METHYL ACRYLATE	7.736	55	368255	5.42	PPBV		98
46) CHLOROFORM	7.810	83	482374	5.58	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.660	57	341067	5.46	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	479650	5.48	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.566	117	513289	5.43	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	319305	5.50	PPBV		99
52)	BENZENE	9.400	78	616501	5.51	PPBV		100
53)	CYCLOHEXANE	9.700	84	238638	5.36	PPBV		99
54)	2,3-DIMETHYLPENTANE	10.000	71	125899	5.37	PPBV		97
55)	TRICHLOROETHYLENE	10.648	95	298892	5.18	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	245875	5.34	PPBV		99
57)	DIBROMOMETHANE	10.336	174	261552	5.04	PPBV		97
58)	ETHYL ACRYLATE	10.416	55	425993	5.12	PPBV		99
59)	BROMODICHLOROMETHANE	10.606	83	540223	5.18	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	973540	5.44	PPBV		99
61)	1,4-DIOXANE	10.685	88	122741	4.50	PPBV	#	1
62)	HEPTANE	11.028	43	344774	5.60	PPBV		99
63)	METHYL METHACRYLATE	10.942	69	214720	5.32	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.799	58	181412	5.28	PPBV		100
65)	cis-1,3-DICHLOROPROPENE	11.731	75	402547	5.22	PPBV		99
66)	TOLUENE	12.961	92	422478	5.15	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	379761	5.34	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.410	75	358104	4.84	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.612	83	249437	5.34	PPBV		99
71)	2-HEXANONE	13.371	58	255379	5.25	PPBV		99
72)	ETHYL METHACRYLATE	13.389	69	365412	5.22	PPBV		99
73)	TETRACHLOROETHYLENE	14.466	164	302043	5.57	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.511	129	540159	5.27	PPBV		100
75)	1,2-DIBROMOETHANE	13.823	107	450832	5.58	PPBV		100
76)	OCTANE	14.325	43	480408	5.59	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	351959	5.45	PPBV		99
78)	CHLOROBENZENE	15.408	112	608780	5.52	PPBV		99
79)	ETHYLBENZENE	15.959	91	974334	5.59	PPBV		100
80)	m,p-XYLENE	16.234	106	735362	10.95	PPBV		98
81)	o-XYLENE	16.901	106	369565	5.63	PPBV		99
82)	STYRENE	16.748	104	552274	5.56	PPBV		99
83)	NONANE	17.311	43	513330	5.74	PPBV		100
84)	BROMOFORM	16.289	173	529096	5.17	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	682433	5.57	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.096	75	482523	5.57	PPBV		99
88)	ISOPROPYLBENZENE	17.812	105	1073018	5.53	PPBV		100
89)	BROMOBENZENE	17.904	77	566636	5.50	PPBV		98
90)	2-CHLOROTOLUENE	18.546	126	264838	5.36	PPBV		100
91)	n-PROPYLBENZENE	18.638	120	284766	5.48	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	1089019	5.65	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	921119	5.67	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.256	118	437586	5.24	PPBV		99
95)	tert-BUTYLBENZENE	19.611	134	191242	5.58	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	990160	5.65	PPBV		99
97)	m-DICHLOROBENZENE	19.819	146	668502	5.25	PPBV		100
98)	BENZYL CHLORIDE	19.813	91	906932	5.04	PPBV		100
99)	p-DICHLOROBENZENE	19.923	146	664978	5.67	PPBV		100
100)	sec-BUTYLBENZENE	20.015	134	236216	5.70	PPBV		96
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	964327	5.56	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.259	134	276086	5.66	PPBV		100
103)	o-DICHLOROBENZENE	20.406	146	622668	5.58	PPBV		100
104)	n-BUTYLBENZENE	20.853	134	258808	5.51	PPBV		98
105)	HEXACHLOROETHANE	21.318	117	467063	5.52	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	522385	4.72	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.220	180	465755	4.65	PPBV		99
108)	NAPHTHALENE	22.884	128	1115447	4.69	PPBV		99
110)	TVHC as equiv Pentane	5.228	TIC	1399979	6.08	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

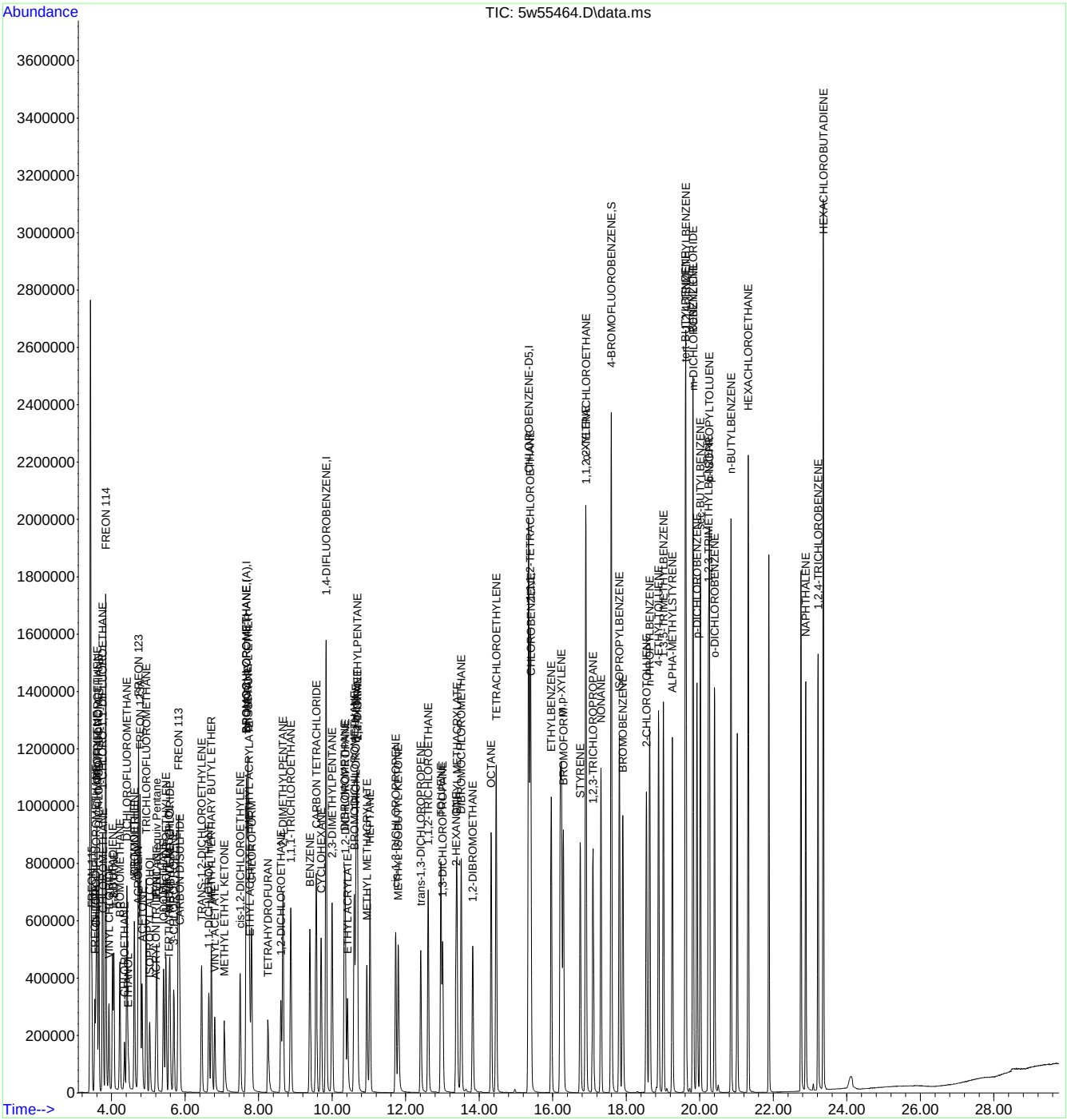
7.7.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	339202	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1511260	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	875250	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	339202	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	994958	10.00	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	605693	10.70	PPBV		100
3) FREON 152A	3.546	65	275104	10.70	PPBV		100
4) CHLORODIFLUOROMETHANE	3.576	67	146118	10.60	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	620588	10.50	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.656	85	1357955	10.60	PPBV		100
7) PROPYLENE	3.601	41	318393	10.90	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1349681	10.60	PPBV		100
9) FREON 114	3.839	85	1681548	11.00	PPBV		100
10) CHLOROMETHANE	3.772	52	163220	10.40	PPBV		100
11) VINYL CHLORIDE	3.931	62	572748	10.30	PPBV		100
12) 1,3-BUTADIENE	4.029	54	390556	10.80	PPBV		100
13) n-BUTANE	4.066	43	731849	10.81	PPBV		100
14) BROMOMETHANE	4.231	94	580880	10.50	PPBV		100
15) CHLOROETHANE	4.353	64	255610	10.40	PPBV		100
16) DICHLOROFLUOROMETHANE	4.421	67	1285896	10.60	PPBV		100
17) ACETONITRILE	4.622	41	400956	10.10	PPBV		100
18) ACROLEIN	4.714	56	194255	10.50	PPBV		100
19) FREON 123	4.733	83	1310076	10.60	PPBV		100
20) FREON 123A	4.775	117	734746	11.00	PPBV		100
21) TRICHLOROFLUOROMETHANE	4.947	101	1219357	10.60	PPBV		100
22) ISOPROPYL ALCOHOL	5.032	45	764798	10.60	PPBV		100
23) ACETONE	4.824	58	227018	10.30	PPBV		100
24) PENTANE	5.234	42	396405	10.90	PPBV		100
25) IODOMETHANE	5.418	142	1102700	11.00	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.485	96	387658	10.70	PPBV		100
27) CARBON DISULFIDE	5.852	76	1147721	10.60	PPBV		100
28) ETHANOL	4.457	45	271251	10.20	PPBV		100
29) BROMOETHENE	4.622	106	544999	10.60	PPBV		100
30) ACRYLONITRILE	5.204	52	251010	11.01	PPBV		100
31) METHYLENE CHLORIDE	5.595	84	363117	10.50	PPBV		100
32) 3-CHLOROPROPENE	5.693	76	185861	10.50	PPBV		100
33) FREON 113	5.822	151	636251	10.60	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.452	96	404191	10.50	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.546	59	761817	9.90	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.715	73	1138359	10.80	PPBV		100
37) TETRAHYDROFURAN	8.244	72	181760	10.50	PPBV		100
38) HEXANE	7.706	57	624158	10.80	PPBV		100
39) VINYL ACETATE	6.806	86	70963	10.40	PPBV		100
40) 1,1-DICHLOROETHANE	6.647	63	773941	10.70	PPBV		100
41) METHYL ETHYL KETONE	7.057	72	190475	10.80	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.498	96	434152	10.70	PPBV		100
43) DIISOPROPYL ETHER	7.718	59	190722	10.80	PPBV		100
44) ETHYL ACETATE	7.749	61	138469	10.80	PPBV	#	100
45) METHYL ACRYLATE	7.736	55	759561	10.81	PPBV		100
46) CHLOROFORM	7.810	83	965951	10.80	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.666	57	697723	10.80	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.874	97	978590	10.80	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	1055955	10.80	PPBV		100
50) 1,2-DICHLOROETHANE	8.605	62	654982	10.90	PPBV		100
52) BENZENE	9.400	78	1252492	11.00	PPBV		100
53) CYCLOHEXANE	9.700	84	494054	10.90	PPBV		100
54) 2,3-DIMETHYLPENTANE	10.000	71	257829	10.80	PPBV		100
55) TRICHLOROETHYLENE	10.655	95	617097	10.50	PPBV		100
56) 1,2-DICHLOROPROPANE	10.361	63	491975	10.50	PPBV		100
57) DIBROMOMETHANE	10.336	174	554921	10.50	PPBV		100
58) ETHYL ACRYLATE	10.416	55	906659	10.70	PPBV		100
59) BROMODICHLOROMETHANE	10.606	83	1114691	10.50	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	1969454	10.80	PPBV		100
61) 1,4-DIOXANE	10.673	88	291854	10.50	PPBV		100
62) HEPTANE	11.028	43	690296	11.00	PPBV		100
63) METHYL METHACRYLATE	10.936	69	448158	10.90	PPBV		100
64) METHYL ISOBUTYL KETONE	11.792	58	377985	10.80	PPBV		100
65) cis-1,3-DICHLOROPROPENE	11.731	75	840076	10.70	PPBV		100
66) TOLUENE	12.961	92	885739	10.60	PPBV		100
67) 1,3-DICHLOROPROPANE	13.010	76	767017	10.60	PPBV	#	100
68) trans-1,3-DICHLOROPROPENE	12.410	75	768015	10.20	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.612	83	509433	10.70	PPBV		100
71) 2-HEXANONE	13.365	58	548403	10.60	PPBV		100
72) ETHYL METHACRYLATE	13.389	69	781201	10.50	PPBV		100
73) TETRACHLOROETHYLENE	14.466	164	628078	10.90	PPBV		100
74) DIBROMOCHLOROMETHANE	13.511	129	1144713	10.50	PPBV		100
75) 1,2-DIBROMOETHANE	13.823	107	943815	11.00	PPBV		100
76) OCTANE	14.331	43	995955	10.90	PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	741767	10.80	PPBV		100
78) CHLOROBENZENE	15.408	112	1266085	10.80	PPBV		100
79) ETHYLBENZENE	15.959	91	2039775	11.00	PPBV		100
80) m,p-XYLENE	16.234	106	1527990	21.40	PPBV		100
81) o-XYLENE	16.901	106	760103	10.90	PPBV		100
82) STYRENE	16.754	104	1162167	11.00	PPBV		100
83) NONANE	17.311	43	1035723	10.90	PPBV		100
84) BROMOFORM	16.289	173	1163343	10.70	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	1418746	10.90	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	17.096	75	975518	10.60	PPBV		100
88) ISOPROPYLBENZENE	17.812	105	2187498	10.60	PPBV		100
89) BROMOBENZENE	17.910	77	1139573	10.40	PPBV		100
90) 2-CHLOROTOLUENE	18.546	126	541116	10.30	PPBV		100
91) n-PROPYLBENZENE	18.638	120	585017	10.60	PPBV		100
92) 4-ETHYLTOLUENE	18.883	105	2232548	10.90	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	1882828	10.90	PPBV		100
94) ALPHA-METHYLSTYRENE	19.256	118	922485	10.40	PPBV		100
95) tert-BUTYLBENZENE	19.611	134	400422	11.00	PPBV		100
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	2047810	11.00	PPBV		100
97) m-DICHLOROBENZENE	19.819	146	1407750	10.40	PPBV		100
98) BENZYL CHLORIDE	19.813	91	1990839	10.40	PPBV		100
99) p-DICHLOROBENZENE	19.923	146	1359653	10.90	PPBV		100
100) sec-BUTYLBENZENE	20.015	134	479738	10.90	PPBV		100
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	1974262	10.70	PPBV	#	100
102) p-ISOPROPYLTOLUENE	20.265	134	559789	10.80	PPBV		100
103) o-DICHLOROBENZENE	20.406	146	1269083	10.70	PPBV		100
104) n-BUTYLBENZENE	20.853	134	539061	10.80	PPBV		100
105) HEXACHLOROETHANE	21.318	117	988753	11.00	PPBV		100
106) HEXACHLOROBUTADIENE	23.367	225	1271645	10.80	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	23.220	180	1160909	10.90	PPBV		100
108) NAPHTHALENE	22.884	128	2753803	10.90	PPBV		100
110) TVHC as equiv Pentane	5.234	TIC	2596090	10.90	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

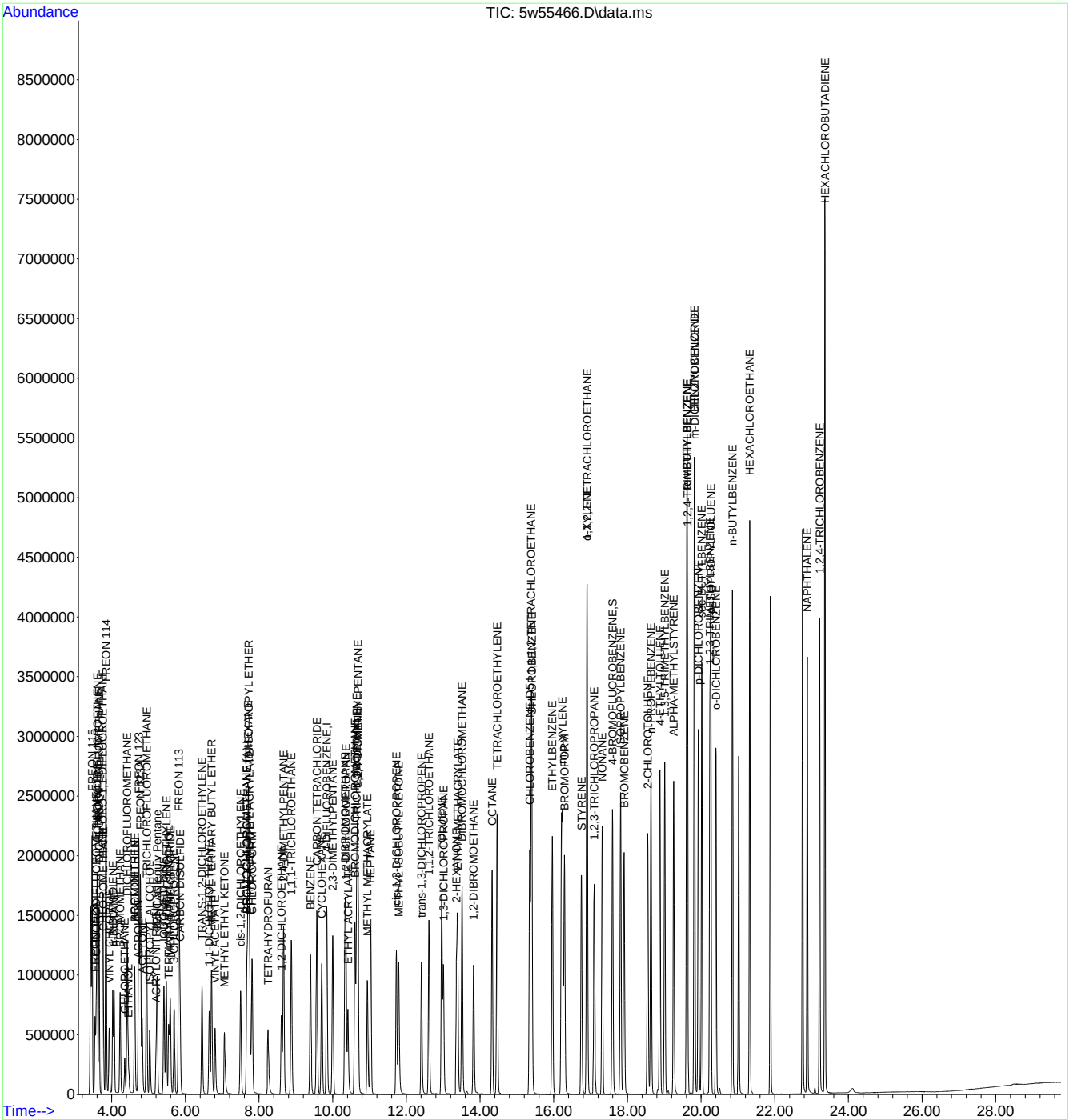
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.675	128	342882	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.841	114	1466721	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	922805	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.675	128	342882	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.592	95	962216	8.66	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 86.60%			
Target Compounds						Qvalue
2) FREON 115	3.466	119	934470	19.68	PPBV	98
3) FREON 152A	3.546	65	555724	22.02	PPBV	100
4) CHLORODIFLUOROMETHANE	3.576	67	300670	23.90	PPBV	100
5) CHLOROTRIFLUOROETHENE	3.607	116	1281526	22.22	PPBV	100
6) DICHLORODIFLUOROMETHANE	3.656	85	2693197	21.30	PPBV	100
7) PROPYLENE	3.601	41	643425	19.46	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	2571204	18.91	PPBV	100
9) FREON 114	3.839	85	3131351	18.84	PPBV	98
10) CHLOROMETHANE	3.772	52	310103	17.98	PPBV	96
11) VINYL CHLORIDE	3.931	62	1066972	17.42	PPBV	99
12) 1,3-BUTADIENE	4.029	54	737734	17.78	PPBV	99
13) n-BUTANE	4.066	43	1358072	16.34	PPBV	99
14) BROMOMETHANE	4.231	94	1092994	16.45	PPBV	99
15) CHLOROETHANE	4.353	64	475231	16.78	PPBV	100
16) DICHLOROFLUOROMETHANE	4.421	67	2390761	16.93	PPBV	100
17) ACETONITRILE	4.622	41	742883	15.46	PPBV	99
18) ACROLEIN	4.714	56	362625	18.04	PPBV	100
19) FREON 123	4.733	83	2426147	17.04	PPBV	99
20) FREON 123A	4.782	117	1384065	18.79	PPBV	97
21) TRICHLOROFLUOROMETHANE	4.947	101	2407405	20.30	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	1487631	18.75	PPBV	100
23) ACETONE	4.818	58	409828	12.79	PPBV	100
24) PENTANE	5.234	42	771291	20.37	PPBV	99
25) IODOMETHANE	5.418	142	2200301	23.28	PPBV	99
26) 1,1-DICHLOROETHYLENE	5.485	96	762107	20.94	PPBV	100
27) CARBON DISULFIDE	5.852	76	2235145	21.22	PPBV	99
28) ETHANOL	4.457	45	502201	15.69	PPBV	100
29) BROMOETHENE	4.622	106	1034552	19.32	PPBV	100
30) ACRYLONITRILE	5.204	52	489577	14.31	PPBV	99
31) METHYLENE CHLORIDE	5.595	84	698189	18.40	PPBV	100
32) 3-CHLOROPROPENE	5.699	76	362658	21.91	PPBV	99
33) FREON 113	5.822	151	1282144	21.91	PPBV	99
34) TRANS-1,2-DICHLOROETHY...	6.452	96	795699	20.82	PPBV	99
35) TERTIARY BUTYL ALCOHOL	5.540	59	1504766	22.16	PPBV	99
36) METHYL TERTIARY BUTYL ...	6.709	73	2261702	23.80	PPBV	100
37) TETRAHYDROFURAN	8.232	72	361477	26.09	PPBV	98
38) HEXANE	7.706	57	1299772	25.51	PPBV	98
39) VINYL ACETATE	6.807	86	150354	28.46	PPBV	# 94
40) 1,1-DICHLOROETHANE	6.654	63	1502107	20.85	PPBV	100
41) METHYL ETHYL KETONE	7.051	72	374963	27.41	PPBV	97
42) cis-1,2-DICHLOROETHYLENE	7.504	96	852592	21.70	PPBV	99
43) DIISOPROPYL ETHER	7.718	59	397171	26.25	PPBV	96
44) ETHYL ACETATE	7.749	61	275669	27.45	PPBV	# 99
45) METHYL ACRYLATE	7.736	55	1562708	25.53	PPBV	99
46) CHLOROFORM	7.816	83	1887887	21.07	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.666	57	1404201	24.81	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.880	97	1974201	22.31	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.572	117	2157722	23.55	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	1304364	23.01	PPBV		100
52)	BENZENE	9.400	78	2480296	24.21	PPBV		100
53)	CYCLOHEXANE	9.700	84	977006	26.51	PPBV		100
54)	2,3-DIMETHYLPENTANE	10.000	71	518636	25.98	PPBV		100
55)	TRICHLOROETHYLENE	10.655	95	1261399	24.13	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	995547	22.86	PPBV		99
57)	DIBROMOMETHANE	10.336	174	1159519	22.34	PPBV		99
58)	ETHYL ACRYLATE	10.410	55	1809029	28.78	PPBV		100
59)	BROMODICHLOROMETHANE	10.606	83	2255590	24.75	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.691	57	3898314	25.47	PPBV		100
61)	1,4-DIOXANE	10.667	88	596545	26.92	PPBV	#	34
62)	HEPTANE	11.034	43	1372329	25.70	PPBV		99
63)	METHYL METHACRYLATE	10.936	69	886208	27.70	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.786	58	763728	28.95	PPBV		99
65)	cis-1,3-DICHLOROPROPENE	11.731	75	1712055	27.85	PPBV		99
66)	TOLUENE	12.961	92	1782618	26.48	PPBV		99
67)	1,3-DICHLOROPROPANE	13.010	76	1520252	24.75	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.410	75	1566263	28.62	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.612	83	1021706	24.00	PPBV		100
71)	2-HEXANONE	13.359	58	1123497	27.97	PPBV		99
72)	ETHYL METHACRYLATE	13.389	69	1592458	26.68	PPBV		100
73)	TETRACHLOROETHYLENE	14.466	164	1295487	21.06	PPBV		100
74)	DIBROMOCHLOROMETHANE	13.512	129	2360665	25.16	PPBV		100
75)	1,2-DIBROMOETHANE	13.830	107	1912584	23.66	PPBV		100
76)	OCTANE	14.331	43	2007056	25.12	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	1557559	23.42	PPBV		100
78)	CHLOROBENZENE	15.408	112	2596682	21.36	PPBV		99
79)	ETHYLBENZENE	15.959	91	4106023	24.25	PPBV		99
80)	m,p-XYLENE	16.240	106	3148620	50.94	PPBV		98
81)	o-XYLENE	16.907	106	1571210	26.11	PPBV		99
82)	STYRENE	16.754	104	2380882	28.53	PPBV		100
83)	NONANE	17.317	43	2075321	24.63	PPBV		100
84)	BROMOFORM	16.295	173	2439049	29.26	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	2867748	22.16	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.096	75	1910251	20.08	PPBV		100
88)	ISOPROPYLBENZENE	17.818	105	4416866	22.71	PPBV		99
89)	BROMOBENZENE	17.910	77	2298802	20.38	PPBV		100
90)	2-CHLOROTOLUENE	18.546	126	1104210	23.56	PPBV		100
91)	n-PROPYLBENZENE	18.638	120	1183858	25.27	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	4498304	25.88	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	3785845	25.41	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.256	118	1903435	28.19	PPBV		99
95)	tert-BUTYLBENZENE	19.617	134	838658	31.61	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	4186232	26.94	PPBV		99
97)	m-DICHLOROBENZENE	19.819	146	2890142	23.15	PPBV		100
98)	BENZYL CHLORIDE	19.813	91	4095162	27.40	PPBV		99
99)	p-DICHLOROBENZENE	19.923	146	2725460	23.12	PPBV		99
100)	sec-BUTYLBENZENE	20.021	134	963244	24.93	PPBV		97
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	4017952	25.38	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.265	134	1146159	25.56	PPBV		96
103)	o-DICHLOROBENZENE	20.406	146	2526786	21.80	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	1115820	28.21	PPBV		96
105)	HEXACHLOROETHANE	21.318	117	2036046	26.21	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	2757653	27.12	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.220	180	2474878	27.79	PPBV		99
108)	NAPHTHALENE	22.884	128	5516380	27.68	PPBV		99
110)	TVHC as equiv Pentane	5.234	TIC	5095960	17.51	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

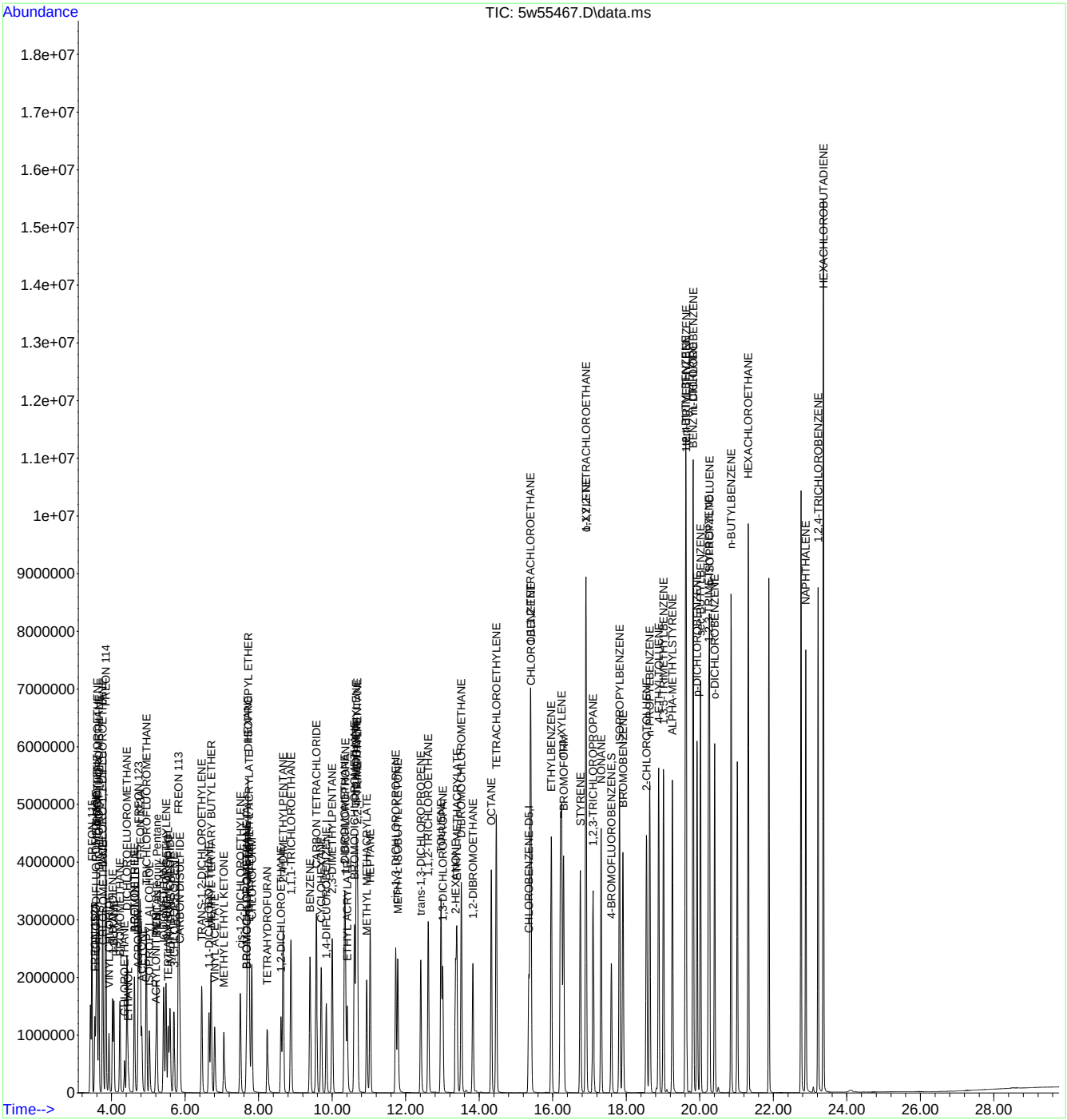
7.2.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.675	128	341329	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.841	114	1382725	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.353	82	1000073	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.675	128	341329	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.598	95	916347	7.75	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 77.50%				
Target Compounds							Qvalue
3) FREON 152A	3.540	65	1110003	44.01	PPBV		100
4) CHLORODIFLUOROMETHANE	3.570	67	618926	48.54	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.601	116	2675087	46.21	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	5267335	41.82	PPBV		98
7) PROPYLENE	3.589	41	1264054	39.00	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	4841129	36.33	PPBV		99
9) FREON 114	3.839	85	5644224	34.83	PPBV		94
10) CHLOROMETHANE	3.766	52	586442	34.83	PPBV		95
11) VINYL CHLORIDE	3.925	62	1976978	33.16	PPBV		99
12) 1,3-BUTADIENE	4.023	54	1352676	33.60	PPBV		98
13) n-BUTANE	4.060	43	2400545	30.24	PPBV		99
14) BROMOMETHANE	4.225	94	2043818	32.06	PPBV		100
15) CHLOROETHANE	4.353	64	871035	31.77	PPBV		100
16) DICHLOROFLUOROMETHANE	4.414	67	4291710	31.43	PPBV		99
17) ACETONITRILE	4.622	41	1277797	27.81	PPBV		99
18) ACROLEIN	4.714	56	645615	33.04	PPBV		100
19) FREON 123	4.733	83	4240053	30.77	PPBV		98
20) FREON 123A	4.775	117	2547507	35.48	PPBV		89
21) TRICHLOROFLUOROMETHANE	4.941	101	4713026	40.16	PPBV		99
22) ISOPROPYL ALCOHOL	5.026	45	2716413	35.07	PPBV		100
23) ACETONE	4.818	58	731236	24.80	PPBV		98
24) PENTANE	5.228	42	1485676	39.79	PPBV		99
25) IODOMETHANE	5.418	142	4451630	46.92	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.479	96	1496349	41.43	PPBV		98
27) CARBON DISULFIDE	5.852	76	4309243	41.09	PPBV		99
28) ETHANOL	4.457	45	853574	28.43	PPBV		100
29) BROMOETHENE	4.616	106	1928359	36.64	PPBV		99
30) ACRYLONITRILE	5.204	52	958150	30.25	PPBV		100
31) METHYLENE CHLORIDE	5.595	84	1342564	36.18	PPBV		98
32) 3-CHLOROPROPENE	5.693	76	697695	42.08	PPBV		99
33) FREON 113	5.822	151	2636699	45.05	PPBV		97
34) TRANS-1,2-DICHLOROETHY...	6.452	96	1572877	41.40	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	2859765	41.60	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.702	73	4395819	45.80	PPBV		99
37) TETRAHYDROFURAN	8.226	72	698114	48.66	PPBV		96
38) HEXANE	7.706	57	2611399	50.18	PPBV		95
39) VINYL ACETATE	6.806	86	306105	54.21	PPBV	#	87
40) 1,1-DICHLOROETHANE	6.654	63	2896622	40.54	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	729314	51.25	PPBV		97
42) cis-1,2-DICHLOROETHYLENE	7.504	96	1696626	43.29	PPBV		99
43) DIISOPROPYL ETHER	7.712	59	811232	52.00	PPBV	#	88
44) ETHYL ACETATE	7.749	61	550445	52.69	PPBV	#	97
45) METHYL ACRYLATE	7.736	55	3113267	49.30	PPBV		98
46) CHLOROFORM	7.816	83	3681330	41.42	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.666	57	2767046	48.09	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.880	97	3966870	44.82	PPBV		99
49) CARBON TETRACHLORIDE	9.572	117	4344419	47.03	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.611	62	2563201	45.07	PPBV		100
52)	BENZENE	9.400	78	4805887	49.06	PPBV		99
53)	CYCLOHEXANE	9.700	84	1932753	53.96	PPBV		98
54)	2,3-DIMETHYLPENTANE	10.006	71	1034868	53.44	PPBV		97
55)	TRICHLOROETHYLENE	10.654	95	2594903	51.56	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	1968777	47.35	PPBV		98
57)	DIBROMOMETHANE	10.342	174	2452377	49.66	PPBV		96
58)	ETHYL ACRYLATE	10.410	55	3514442	56.09	PPBV		99
59)	BROMODICHLOROMETHANE	10.612	83	4532566	51.44	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.691	57	7451774	50.35	PPBV		98
61)	1,4-DIOXANE	10.661	88	1171033	53.54	PPBV	#	1
62)	HEPTANE	11.034	43	2670311	51.81	PPBV		98
63)	METHYL METHACRYLATE	10.936	69	1706636	54.15	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	1514817	57.65	PPBV		96
65)	cis-1,3-DICHLOROPROPENE	11.731	75	3416380	56.51	PPBV		98
66)	TOLUENE	12.967	92	3622228	55.11	PPBV		98
67)	1,3-DICHLOROPROPANE	13.010	76	2997850	50.56	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.410	75	3139635	57.54	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.618	83	2047204	50.14	PPBV		99
71)	2-HEXANONE	13.359	58	2249832	49.07	PPBV		96
72)	ETHYL METHACRYLATE	13.395	69	3192358	47.23	PPBV		98
73)	TETRACHLOROETHYLENE	14.472	164	2700260	40.71	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.518	129	4797242	45.88	PPBV		99
75)	1,2-DIBROMOETHANE	13.836	107	3887570	43.91	PPBV		100
76)	OCTANE	14.337	43	3923196	44.34	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	3275763	44.91	PPBV		100
78)	CHLOROBENZENE	15.414	112	5271880	40.07	PPBV		99
79)	ETHYLBENZENE	15.965	91	8126299	43.65	PPBV		97
80)	m,p-XYLENE	16.246	106	6467969	94.01	PPBV		92
81)	o-XYLENE	16.907	106	3188562	47.55	PPBV		95
82)	STYRENE	16.754	104	4879514	51.77	PPBV		99
83)	NONANE	17.317	43	3987420	42.86	PPBV		97
84)	BROMOFORM	16.301	173	5078215	52.97	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	5613840	39.93	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.103	75	3751035	36.66	PPBV		97
88)	ISOPROPYLBENZENE	17.824	105	8798069	41.32	PPBV		97
89)	BROMOBENZENE	17.916	77	4625514	37.94	PPBV		97
90)	2-CHLOROTOLUENE	18.552	126	2317722	44.71	PPBV		99
91)	n-PROPYLBENZENE	18.644	120	2469115	47.34	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	8909475	46.07	PPBV		96
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	7582950	45.88	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.262	118	3974554	51.70	PPBV		99
95)	tert-BUTYLBENZENE	19.623	134	1750552	57.31	PPBV	#	88
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	8073536	46.45	PPBV		96
97)	m-DICHLOROBENZENE	19.825	146	5812290	42.28	PPBV		98
98)	BENZYL CHLORIDE	19.819	91	7865415	46.45	PPBV		97
99)	p-DICHLOROBENZENE	19.929	146	5572136	43.25	PPBV		98
100)	sec-BUTYLBENZENE	20.021	134	1985344	46.46	PPBV	#	80
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	7982379	45.32	PPBV	#	96
102)	p-ISOPROPYLTOLUENE	20.272	134	2391446	47.95	PPBV	#	84
103)	o-DICHLOROBENZENE	20.412	146	5204091	41.33	PPBV		98
104)	n-BUTYLBENZENE	20.859	134	2355801	52.65	PPBV	#	78
105)	HEXACHLOROETHANE	21.324	117	4095368	47.35	PPBV		94
106)	HEXACHLOROBUTADIENE	23.367	225	5758391	50.41	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	23.226	180	5399109	53.83	PPBV		99
108)	NAPHTHALENE	22.890	128	10659068	47.52	PPBV		95
110)	TVHC as equiv Pentane	5.228	TIC	9863883	35.04	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

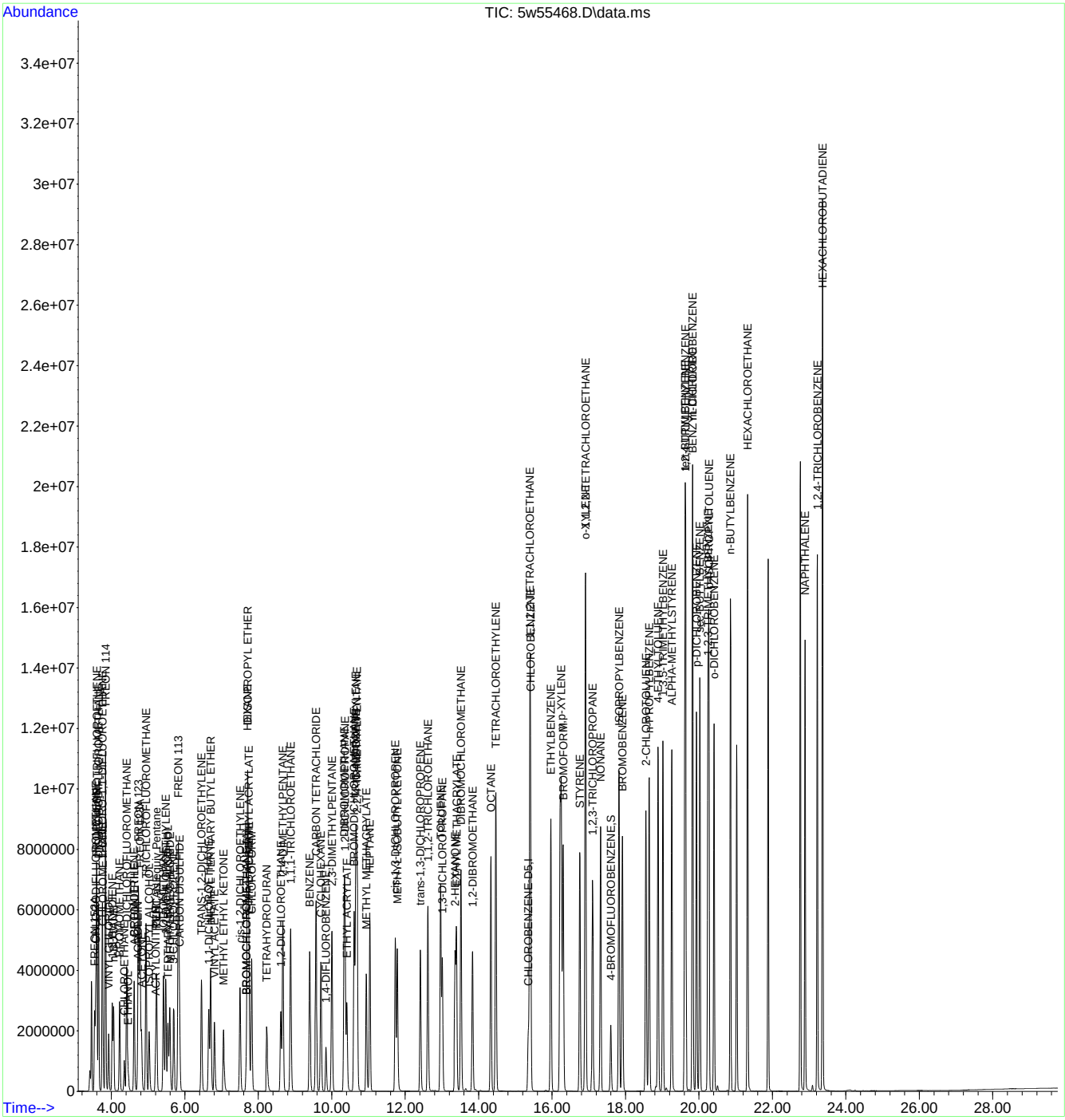
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.681	128	363096	10.00	PPBV	0.01
51) 1,4-DIFLUOROBENZENE	9.847	114	1435494	10.00	PPBV	0.01
70) CHLOROBENZENE-D5	15.353	82	1087902	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.681	128	363096	10.00	PPBV	# 0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.598	95	962842	7.71	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 77.10%			
Target Compounds						Qvalue
3) FREON 152A	3.546	65	1409928	52.36	PPBV	100
4) CHLORODIFLUOROMETHANE	3.576	67	788640	57.10	PPBV	99
5) CHLOROTRIFLUOROETHENE	3.607	116	3518696	56.43	PPBV	99
6) DICHLORODIFLUOROMETHANE	3.656	85	6578479	49.18	PPBV	97
7) PROPYLENE	3.601	41	1558841	45.82	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	5783866	41.54	PPBV	98
9) FREON 114	3.839	85	6688154	39.83	PPBV	92
10) CHLOROMETHANE	3.772	52	708046	40.35	PPBV	93
11) VINYL CHLORIDE	3.931	62	2437569	39.40	PPBV	99
12) 1,3-BUTADIENE	4.029	54	1667571	40.06	PPBV	97
13) n-BUTANE	4.066	43	2956319	36.57	PPBV	98
14) BROMOMETHANE	4.231	94	2585698	39.46	PPBV	100
15) CHLOROETHANE	4.353	64	1112344	39.30	PPBV	100
16) DICHLOROFLUOROMETHANE	4.421	67	5325853	37.89	PPBV	99
17) ACETONITRILE	4.622	41	1590540	34.05	PPBV	99
18) ACROLEIN	4.714	56	812347	40.31	PPBV	100
19) FREON 123	4.739	83	5322727	37.60	PPBV	97
20) FREON 123A	4.782	117	3262064	43.77	PPBV	86
21) TRICHLOROFLUOROMETHANE	4.947	101	5912238	47.68	PPBV	99
22) ISOPROPYL ALCOHOL	5.032	45	3130594	38.96	PPBV	100
24) PENTANE	5.234	42	1801214	45.85	PPBV	98
25) IODOMETHANE	5.424	142	5859104	57.57	PPBV	100
26) 1,1-DICHLOROETHYLENE	5.485	96	1920392	50.18	PPBV	94
27) CARBON DISULFIDE	5.852	76	5333899	48.00	PPBV	98
28) ETHANOL	4.457	45	1061688	35.38	PPBV	100
29) BROMOETHENE	4.622	106	2463970	44.77	PPBV	99
30) ACRYLONITRILE	5.210	52	1172261	36.70	PPBV	100
31) METHYLENE CHLORIDE	5.595	84	1703220	43.91	PPBV	96
32) 3-CHLOROPROPENE	5.699	76	888181	50.35	PPBV	93
33) FREON 113	5.822	151	3534845	56.33	PPBV	93
34) TRANS-1,2-DICHLOROETHY...	6.458	96	2032870	50.39	PPBV	96
35) TERTIARY BUTYL ALCOHOL	5.546	59	3417331	46.44	PPBV	98
36) METHYL TERTIARY BUTYL ...	6.709	73	5589862	54.34	PPBV	98
37) TETRAHYDROFURAN	8.232	72	882416	56.54	PPBV	93
38) HEXANE	7.712	57	3251354	57.57	PPBV	93
39) VINYL ACETATE	6.813	86	398132	63.09	PPBV	# 74
40) 1,1-DICHLOROETHANE	6.654	63	3625488	48.02	PPBV	98
41) METHYL ETHYL KETONE	7.051	72	929876	59.84	PPBV	93
42) cis-1,2-DICHLOROETHYLENE	7.504	96	2196558	52.61	PPBV	96
43) DIISOPROPYL ETHER	7.718	59	1010128	59.15	PPBV	# 83
44) ETHYL ACETATE	7.749	61	686502	59.89	PPBV	# 94
45) METHYL ACRYLATE	7.736	55	3866289	56.23	PPBV	97
46) CHLOROFORM	7.822	83	4663315	49.57	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.672	57	3422747	55.14	PPBV	98
48) 1,1,1-TRICHLOROETHANE	8.880	97	5135690	54.30	PPBV	98
49) CARBON TETRACHLORIDE	9.572	117	5694246	57.32	PPBV	99
50) 1,2-DICHLOROETHANE	8.611	62	3247346	53.45	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

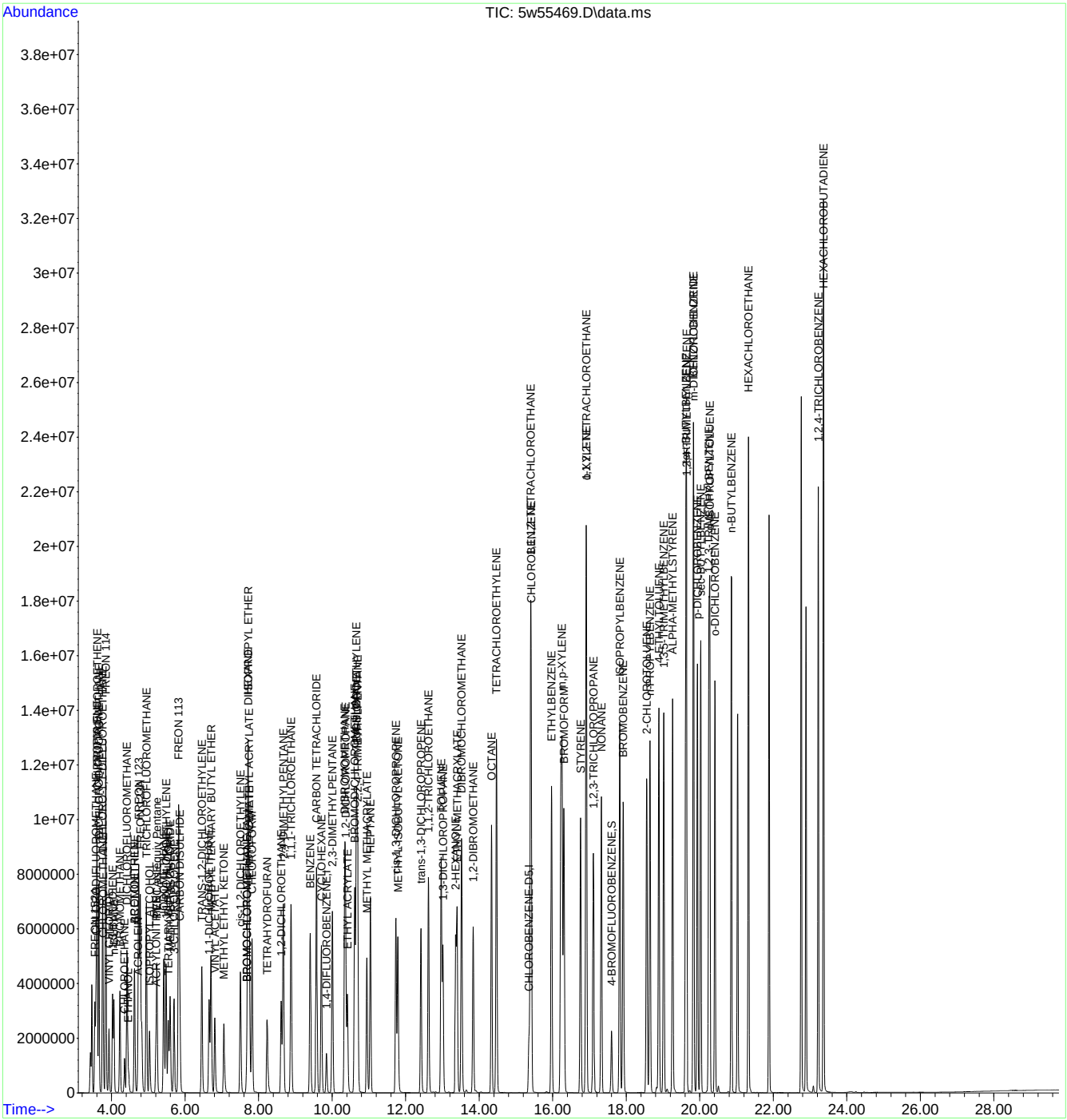
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	BENZENE	9.406	78	6113532	59.26	PPBV		99
53)	CYCLOHEXANE	9.706	84	2475588	64.65	PPBV		96
54)	2,3-DIMETHYLPENTANE	10.006	71	1313485	63.46	PPBV		94
55)	TRICHLOROETHYLENE	10.661	95	3350858	62.36	PPBV		96
56)	1,2-DICHLOROPROPANE	10.367	63	2447772	55.81	PPBV		97
57)	DIBROMOMETHANE	10.342	174	3348127	63.85	PPBV		91
58)	ETHYL ACRYLATE	10.416	55	4375473	64.41	PPBV		99
59)	BROMODICHLOROMETHANE	10.618	83	5756859	61.21	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	10.697	57	9040011	57.64	PPBV		98
61)	1,4-DIOXANE	10.667	88	1504708	63.77	PPBV	#	1
62)	HEPTANE	11.040	43	3250063	59.42	PPBV		96
63)	METHYL METHACRYLATE	10.942	69	2166506	64.00	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.792	58	1897421	66.38	PPBV		93
65)	cis-1,3-DICHLOROPROPENE	11.737	75	4365639	66.88	PPBV		98
66)	TOLUENE	12.967	92	4696538	66.34	PPBV		96
67)	1,3-DICHLOROPROPANE	13.016	76	3810935	60.45	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.416	75	4045609	64.37	PPBV		97
69)	1,1,2-TRICHLOROETHANE	12.618	83	2637082	60.91	PPBV		98
71)	2-HEXANONE	13.359	58	2840400	51.38	PPBV		93
72)	ETHYL METHACRYLATE	13.395	69	4057750	54.22	PPBV		95
73)	TETRACHLOROETHYLENE	14.472	164	3652923	51.05	PPBV		98
74)	DIBROMOCHLOROMETHANE	13.518	129	6267031	54.46	PPBV		99
75)	1,2-DIBROMOETHANE	13.836	107	5059319	52.54	PPBV		100
76)	OCTANE	14.337	43	4818681	49.96	PPBV		93
77)	1,1,1,2-TETRACHLOROETHANE	15.402	131	4326992	54.27	PPBV		98
78)	CHLOROBENZENE	15.414	112	6799424	47.95	PPBV		97
79)	ETHYLBENZENE	15.965	91	10258201	50.70	PPBV		95
80)	m,p-XYLENE	16.246	106	8436000	111.35	PPBV		88
81)	o-XYLENE	16.913	106	4070628	55.18	PPBV		92
82)	STYRENE	16.760	104	6336380	60.46	PPBV		99
83)	NONANE	17.323	43	4885695	48.38	PPBV		95
84)	BROMOFORM	16.301	173	6736389	57.61	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	6857413	45.32	PPBV		98
87)	1,2,3-TRICHLOROPROPANE	17.109	75	4752860	43.44	PPBV		95
88)	ISOPROPYLBENZENE	17.824	105	11140531	48.25	PPBV		96
89)	BROMOBENZENE	17.916	77	5858269	44.66	PPBV		92
90)	2-CHLOROTOLUENE	18.552	126	3066170	53.80	PPBV		99
91)	n-PROPYLBENZENE	18.644	120	3235225	56.20	PPBV		100
92)	4-ETHYLTOLUENE	18.889	105	11113673	52.46	PPBV		94
93)	1,3,5-TRIMETHYLBENZENE	19.024	105	9540125	52.72	PPBV		95
94)	ALPHA-METHYLSTYRENE	19.262	118	5169037	56.23	PPBV		99
95)	tert-BUTYLBENZENE	19.623	134	2268727	58.03	PPBV	#	82
96)	1,2,4-TRIMETHYLBENZENE	19.641	105	9871747	51.85	PPBV		93
97)	m-DICHLOROBENZENE	19.831	146	7376020	49.22	PPBV		98
98)	BENZYL CHLORIDE	19.825	91	9467573	50.66	PPBV		95
99)	p-DICHLOROBENZENE	19.935	146	7163876	51.16	PPBV		97
100)	sec-BUTYLBENZENE	20.027	134	2603292	55.55	PPBV	#	67
101)	1,2,3-TRIMETHYLBENZENE	20.247	105	9909252	51.34	PPBV	#	93
102)	p-ISOPROPYLTOLUENE	20.272	134	3067541	55.77	PPBV	#	77
103)	o-DICHLOROBENZENE	20.412	146	6729808	49.34	PPBV		98
104)	n-BUTYLBENZENE	20.865	134	3076474	61.52	PPBV	#	67
105)	HEXACHLOROETHANE	21.324	117	5060035	53.27	PPBV		91
106)	HEXACHLOROBUTADIENE	23.367	225	7021325	55.35	PPBV		97
107)	1,2,4-TRICHLOROBENZENE	23.226	180	6957395	61.95	PPBV		99
110)	TVHC as equiv Pentane	5.234	TIC	12050439	41.25	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	367475	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1638649	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	911415	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	367475	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1063310	10.42	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 104.20%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	609290	12.11	PPBV		96
3) FREON 152A	3.546	65	260396	9.58	PPBV		100
4) CHLORODIFLUOROMETHANE	3.576	67	146420	10.39	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	632936	9.95	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	1344712	10.01	PPBV		100
7) PROPYLENE	3.601	41	286338	8.47	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1363042	9.91	PPBV		99
9) FREON 114	3.839	85	1731966	10.51	PPBV		98
10) CHLOROMETHANE	3.772	52	156442	9.03	PPBV	#	84
11) VINYL CHLORIDE	3.931	62	572576	9.39	PPBV		100
12) 1,3-BUTADIENE	4.029	54	394416	9.64	PPBV		98
13) n-BUTANE	4.066	43	729754	9.30	PPBV		99
14) BROMOMETHANE	4.231	94	601870	9.37	PPBV		99
15) CHLOROETHANE	4.353	64	259712	9.32	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	1337017	9.71	PPBV		100
17) ACETONITRILE	4.616	41	408916	9.02	PPBV		99
18) ACROLEIN	4.714	56	206598	10.43	PPBV		100
19) FREON 123	4.733	83	1322073	9.54	PPBV		98
20) FREON 123A	4.775	117	716793	9.72	PPBV		95
21) TRICHLOROFLUOROMETHANE	4.941	101	1280625	10.32	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	746766	9.50	PPBV		99
23) ACETONE	4.824	58	228297	7.70	PPBV		98
24) PENTANE	5.234	42	361550	9.26	PPBV		98
25) IODOMETHANE	5.418	142	1165392	11.26	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.479	96	397014	10.32	PPBV		94
27) CARBON DISULFIDE	5.852	76	1188347	10.68	PPBV		100
28) ETHANOL	4.457	45	231689	8.04	PPBV		99
29) BROMOETHENE	4.616	106	574006	10.49	PPBV		100
30) ACRYLONITRILE	5.204	52	234694	7.62	PPBV		100
31) METHYLENE CHLORIDE	5.589	84	367561	9.54	PPBV		97
32) 3-CHLOROPROPENE	5.693	76	183296	10.31	PPBV		94
33) FREON 113	5.822	151	692675	10.83	PPBV		96
34) TRANS-1,2-DICHLOROETHY...	6.452	96	415687	10.23	PPBV		96
35) TERTIARY BUTYL ALCOHOL	5.546	59	838007	11.33	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.709	73	1138293	10.93	PPBV		98
37) TETRAHYDROFURAN	8.244	72	182808	11.46	PPBV		94
38) HEXANE	7.706	57	580332	10.08	PPBV		98
39) VINYL ACETATE	6.806	86	76162	11.57	PPBV	#	78
40) 1,1-DICHLOROETHANE	6.647	63	737374	9.76	PPBV		99
41) METHYL ETHYL KETONE	7.057	72	183994	11.54	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.498	96	438839	10.40	PPBV		97
43) DIISOPROPYL ETHER	7.718	59	182011	10.41	PPBV		94
44) ETHYL ACETATE	7.749	61	132720	11.29	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	734957	10.50	PPBV		99
46) CHLOROFORM	7.810	83	994491	10.54	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.666	57	665821	10.57	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	1027293	10.72	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	1117143	11.04	PPBV		100
50) 1,2-DICHLOROETHANE	8.605	62	644626	10.51	PPBV		100
52) BENZENE	9.400	78	1241071	10.45	PPBV		99
53) CYCLOHEXANE	9.700	84	497434	11.15	PPBV		96
54) 2,3-DIMETHYLPENTANE	10.000	71	255937	10.63	PPBV		95
55) TRICHLOROETHYLENE	10.655	95	628915	10.04	PPBV		96
56) 1,2-DICHLOROPROPANE	10.361	63	480413	9.53	PPBV		98
57) DIBROMOMETHANE	10.336	174	607456	9.91	PPBV		96
58) ETHYL ACRYLATE	10.416	55	889260	11.18	PPBV		99
59) BROMODICHLOROMETHANE	10.606	83	1129142	10.33	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	1875164	10.40	PPBV		100
61) 1,4-DIOXANE	10.673	88	305770	11.05	PPBV	#	88
62) HEPTANE	11.034	43	644985	10.24	PPBV		98
63) METHYL METHACRYLATE	10.936	69	440067	11.15	PPBV		97
64) METHYL ISOBUTYL KETONE	11.792	58	365625	10.89	PPBV		96
65) cis-1,3-DICHLOROPROPENE	11.731	75	791718	10.34	PPBV		99
66) TOLUENE	12.961	92	897196	10.80	PPBV		99
67) 1,3-DICHLOROPROPANE	13.010	76	768595	10.52	PPBV	#	100
68) trans-1,3-DICHLOROPROPENE	12.410	75	763107	10.83	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.612	83	511400	10.19	PPBV		98
71) 2-HEXANONE	13.365	58	533643	12.41	PPBV		98
72) ETHYL METHACRYLATE	13.389	69	797333	12.67	PPBV		97
73) TETRACHLOROETHYLENE	14.466	164	678237	11.39	PPBV		99
74) DIBROMOCHLOROMETHANE	13.511	129	1221557	12.62	PPBV		100
75) 1,2-DIBROMOETHANE	13.823	107	968537	12.07	PPBV		100
76) OCTANE	14.331	43	928927	11.60	PPBV		96
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	789303	11.81	PPBV		99
78) CHLOROBENZENE	15.408	112	1302463	11.10	PPBV		98
79) ETHYLBENZENE	15.959	91	2069237	12.31	PPBV		99
80) m,p-XYLENE	16.234	106	1576639	24.73	PPBV		98
81) o-XYLENE	16.901	106	773169	12.49	PPBV		97
82) STYRENE	16.754	104	1182327	13.32	PPBV		99
83) NONANE	17.311	43	964575	11.55	PPBV		97
84) BROMOFORM	16.289	173	1229686	12.42	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	1398226	11.24	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	17.096	75	977028	10.88	PPBV		98
88) ISOPROPYLBENZENE	17.812	105	2272900	11.87	PPBV		99
89) BROMOBENZENE	17.910	77	1152759	10.66	PPBV		95
90) 2-CHLOROTOLUENE	18.546	126	580224	12.09	PPBV		100
91) n-PROPYLBENZENE	18.638	120	614508	12.66	PPBV		99
92) 4-ETHYLTOLUENE	18.877	105	2276515	12.88	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	1926471	12.75	PPBV		99
94) ALPHA-METHYLSTYRENE	19.256	118	964352	11.83	PPBV		99
95) tert-BUTYLBENZENE	19.611	134	426733	12.94	PPBV		97
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	2101835	13.26	PPBV		98
97) m-DICHLOROBENZENE	19.819	146	1483124	11.88	PPBV		100
98) BENZYL CHLORIDE	19.813	91	2086019	12.26	PPBV		99
99) p-DICHLOROBENZENE	19.923	146	1425940	12.24	PPBV		99
100) sec-BUTYLBENZENE	20.021	134	510021	12.96	PPBV		95
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	2045983	12.71	PPBV	#	98
102) p-ISOPROPYLTOLUENE	20.259	134	605096	13.08	PPBV		97
103) o-DICHLOROBENZENE	20.406	146	1345461	11.88	PPBV		99
104) n-BUTYLBENZENE	20.853	134	568438	13.36	PPBV		92
105) HEXACHLOROETHANE	21.318	117	980805	12.37	PPBV		98
106) HEXACHLOROBUTADIENE	23.367	225	1360841	12.77	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	23.220	180	1285426	12.74	PPBV		100
108) NAPHTHALENE	22.884	128	3116488	14.07	PPBV		100
110) TVHC as equiv Pentane	5.228	TIC	2415970	8.40	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

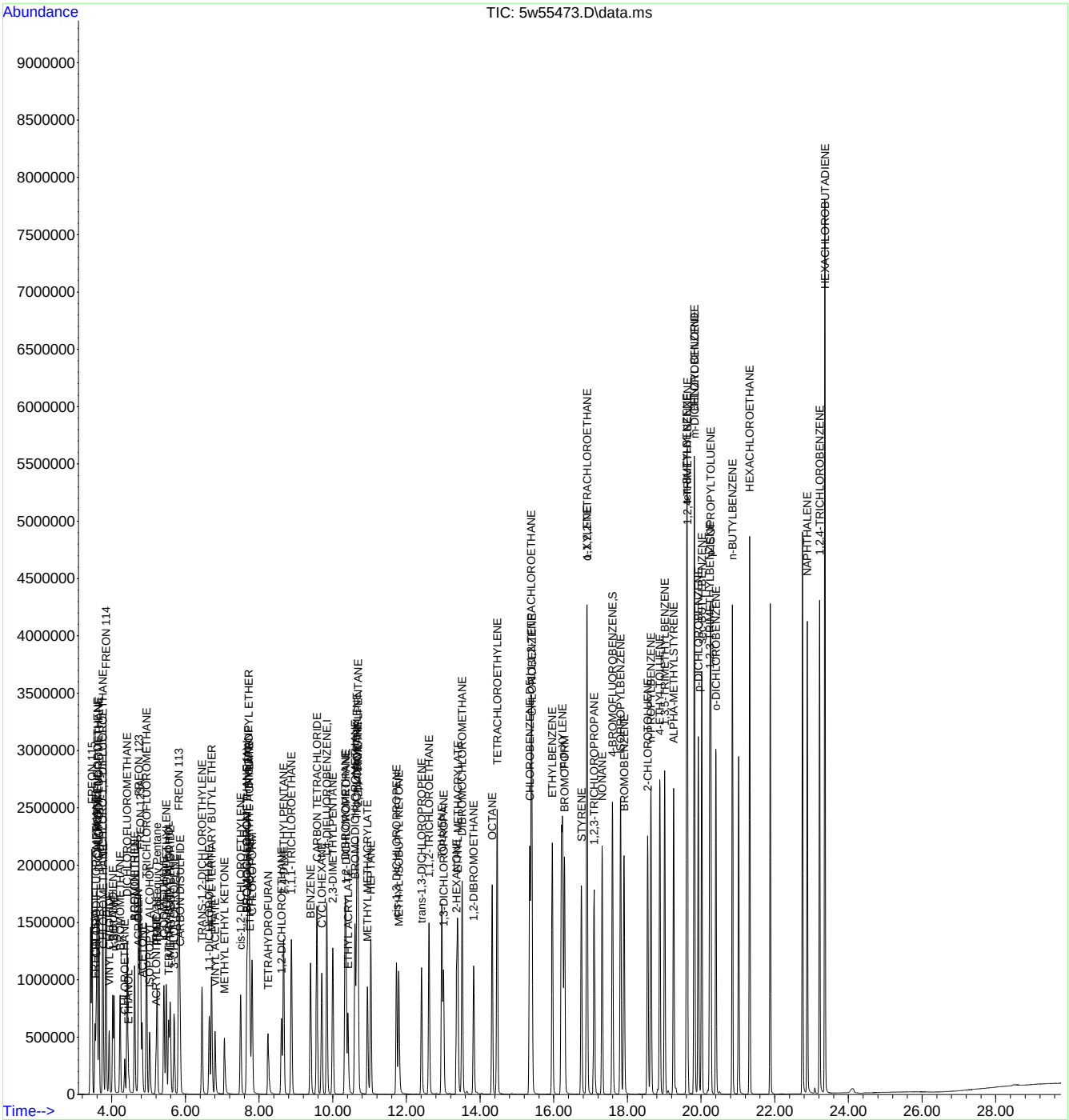
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	283490	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1320983	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	829640	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	283490	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.592	95	938681	10.11	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.10%			
Target Compounds						Qvalue
2) FREON 115	3.466	119	490141	12.6307	PPBV	87
3) FREON 152A	3.546	65	248979	11.8708	PPBV	92
4) CHLORODIFLUOROMETHANE	3.576	67	139788	12.8535	PPBV	100
5) CHLOROTRIFLUOROETHENE	3.607	116	484866	9.8778	PPBV	97
6) DICHLORODIFLUOROMETHANE	3.656	85	1235881	11.9294	PPBV	99
7) PROPYLENE	3.601	41	318999	12.2258	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	3.753	65	1310116	12.3491	PPBV	97
9) FREON 114	3.839	85	1498369	11.7910	PPBV	94
10) CHLOROMETHANE	3.772	52	139843	10.4675	PPBV #	73
11) VINYL CHLORIDE	3.931	62	500361	10.6359	PPBV	98
12) 1,3-BUTADIENE	4.029	54	328558	10.4069	PPBV #	82
13) n-BUTANE	4.066	43	673554	11.1214	PPBV	98
14) BROMOMETHANE	4.231	94	503106	10.1489	PPBV	98
15) CHLOROETHANE	4.353	64	218128	10.1465	PPBV	96
16) DICHLOROFLUOROMETHANE	4.420	67	1182527	11.1281	PPBV	98
17) ACETONITRILE	4.616	41	381104	10.8940	PPBV	99
18) ACROLEIN	4.714	56	174216	11.4045	PPBV	99
19) FREON 123	4.732	83	1208215	11.2970	PPBV	99
20) FREON 123A	4.775	117	627646	11.0370	PPBV	86
21) TRICHLOROFLUOROMETHANE	4.940	101	1106838	11.5611	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	701344	11.5619	PPBV	96
23) ACETONE	4.818	58	190094	8.3139	PPBV #	73
24) PENTANE	5.234	42	382516	12.6939	PPBV	97
25) IODOMETHANE	5.418	142	1048284	13.1253	PPBV	99
26) 1,1-DICHLOROETHYLENE	5.479	96	350278	11.8046	PPBV	91
27) CARBON DISULFIDE	5.852	76	1106323	12.8869	PPBV	96
28) ETHANOL	4.451	45	228093	10.2598	PPBV	99
29) BROMOETHENE	4.616	106	464023	10.9881	PPBV	96
30) ACRYLONITRILE	5.197	52	227386	9.5736	PPBV	98
31) METHYLENE CHLORIDE	5.589	84	336437	11.3149	PPBV	94
32) 3-CHLOROPROPENE	5.693	76	178242	13.0003	PPBV #	87
33) FREON 113	5.821	151	646266	13.0999	PPBV	91
34) TRANS-1,2-DICHLOROETHY...	6.451	96	362444	11.5588	PPBV	93
35) TERTIARY BUTYL ALCOHOL	5.540	59	711279	12.4651	PPBV	94
36) METHYL TERTIARY BUTYL ...	6.708	73	1081108	13.4514	PPBV	97
37) TETRAHYDROFURAN	8.238	72	173340	14.0890	PPBV	93
38) HEXANE	7.699	57	571589	12.8683	PPBV	89
39) VINYL ACETATE	6.806	86	62812	12.3718	PPBV #	69
40) 1,1-DICHLOROETHANE	6.647	63	730632	12.5370	PPBV	99
41) METHYL ETHYL KETONE	7.051	72	181023	14.7210	PPBV #	84
42) cis-1,2-DICHLOROETHYLENE	7.498	96	388757	11.9483	PPBV	93
43) DIISOPROPYL ETHER	7.718	59	173894	12.8880	PPBV #	83
44) ETHYL ACETATE	7.748	61	131535	14.5003	PPBV #	96
45) METHYL ACRYLATE	7.730	55	737514	13.6580	PPBV	98
46) CHLOROFORM	7.810	83	932936	12.8195	PPBV	98
47) 2,4-DIMETHYLPENTANE	8.660	57	643935	13.2559	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.874	97	932528	12.6198	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.565	117	977527	12.5168	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	663626	14.0198	PPBV		98
52)	BENZENE	9.394	78	1170534	12.2253	PPBV		99
53)	CYCLOHEXANE	9.700	84	450644	12.5296	PPBV		97
54)	2,3-DIMETHYLPENTANE	10.000	71	244517	12.5920	PPBV		98
55)	TRICHLOROETHYLENE	10.648	95	563731	11.1681	PPBV		93
56)	1,2-DICHLOROPROPANE	10.355	63	455764	11.2146	PPBV		96
57)	DIBROMOMETHANE	10.330	174	640573	12.9639	PPBV		87
58)	ETHYL ACRYLATE	10.410	55	894070	13.9460	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1096175	12.4360	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1810078	12.4491	PPBV		98
61)	1,4-DIOXANE	10.667	88	262414	11.7689	PPBV	#	87
62)	HEPTANE	11.027	43	692024	13.6267	PPBV		94
63)	METHYL METHACRYLATE	10.936	69	435827	13.6920	PPBV		92
64)	METHYL ISOBUTYL KETONE	11.786	58	353359	13.0593	PPBV	#	83
65)	cis-1,3-DICHLOROPROPENE	11.725	75	805461	13.0465	PPBV		93
66)	TOLUENE	12.961	92	771776	11.5242	PPBV		98
67)	1,3-DICHLOROPROPANE	13.003	76	721866	12.2521	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	730655	12.8581	PPBV		94
69)	1,1,2-TRICHLOROETHANE	12.612	83	477290	11.7978	PPBV		96
71)	2-HEXANONE	13.358	58	505319	12.9114	PPBV		82
72)	ETHYL METHACRYLATE	13.389	69	748660	13.0646	PPBV		94
73)	TETRACHLOROETHYLENE	14.466	164	646497	11.9302	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	957673	10.8685	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	821840	11.2479	PPBV		100
76)	OCTANE	14.325	43	1000955	13.7360	PPBV		94
77)	1,1,1,2-TETRACHLOROETHANE	15.389	131	625512	10.2814	PPBV		90
78)	CHLOROBENZENE	15.402	112	1074618	10.0617	PPBV		93
79)	ETHYLBENZENE	15.958	91	1824972	11.9314	PPBV		97
80)	m,p-XYLENE	16.234	106	1282140	22.0915	PPBV		93
81)	o-XYLENE	16.900	106	643598	11.4241	PPBV		92
82)	STYRENE	16.747	104	987985	12.2269	PPBV		96
83)	NONANE	17.310	43	1057154	13.9014	PPBV		97
84)	BROMOFORM	16.289	173	1332200	14.7771	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1314867	11.6113	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.096	75	931482	11.3923	PPBV		95
88)	ISOPROPYLBENZENE	17.812	105	1869433	10.7239	PPBV		96
89)	BROMOBENZENE	17.904	77	1084437	11.0142	PPBV		98
90)	2-CHLOROTOLUENE	18.546	126	452203	10.3535	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	482605	10.9202	PPBV		99
92)	4-ETHYLTOLUENE	18.876	105	1913832	11.8952	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	1598724	11.6271	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.250	118	753685	10.1544	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	323983	10.7921	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1752820	12.1500	PPBV		98
97)	m-DICHLOROBENZENE	19.812	146	1265483	11.1404	PPBV		98
98)	BENZYL CHLORIDE	19.806	91	1786034	11.5343	PPBV		97
99)	p-DICHLOROBENZENE	19.923	146	1231073	11.6079	PPBV		98
100)	sec-BUTYLBENZENE	20.014	134	389937	10.8867	PPBV	#	88
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1704534	11.6335	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.259	134	453456	10.7719	PPBV		94
103)	o-DICHLOROBENZENE	20.400	146	1154974	11.2005	PPBV		98
104)	n-BUTYLBENZENE	20.852	134	440098	11.3651	PPBV	#	77
105)	HEXACHLOROETHANE	21.317	117	908545	12.5865	PPBV	#	81
106)	HEXACHLOROBUTADIENE	23.361	225	1704722	17.5722	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1397381	15.2088	PPBV		96
108)	NAPHTHALENE	22.877	128	2277222	11.2912	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2517105	11.3419	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

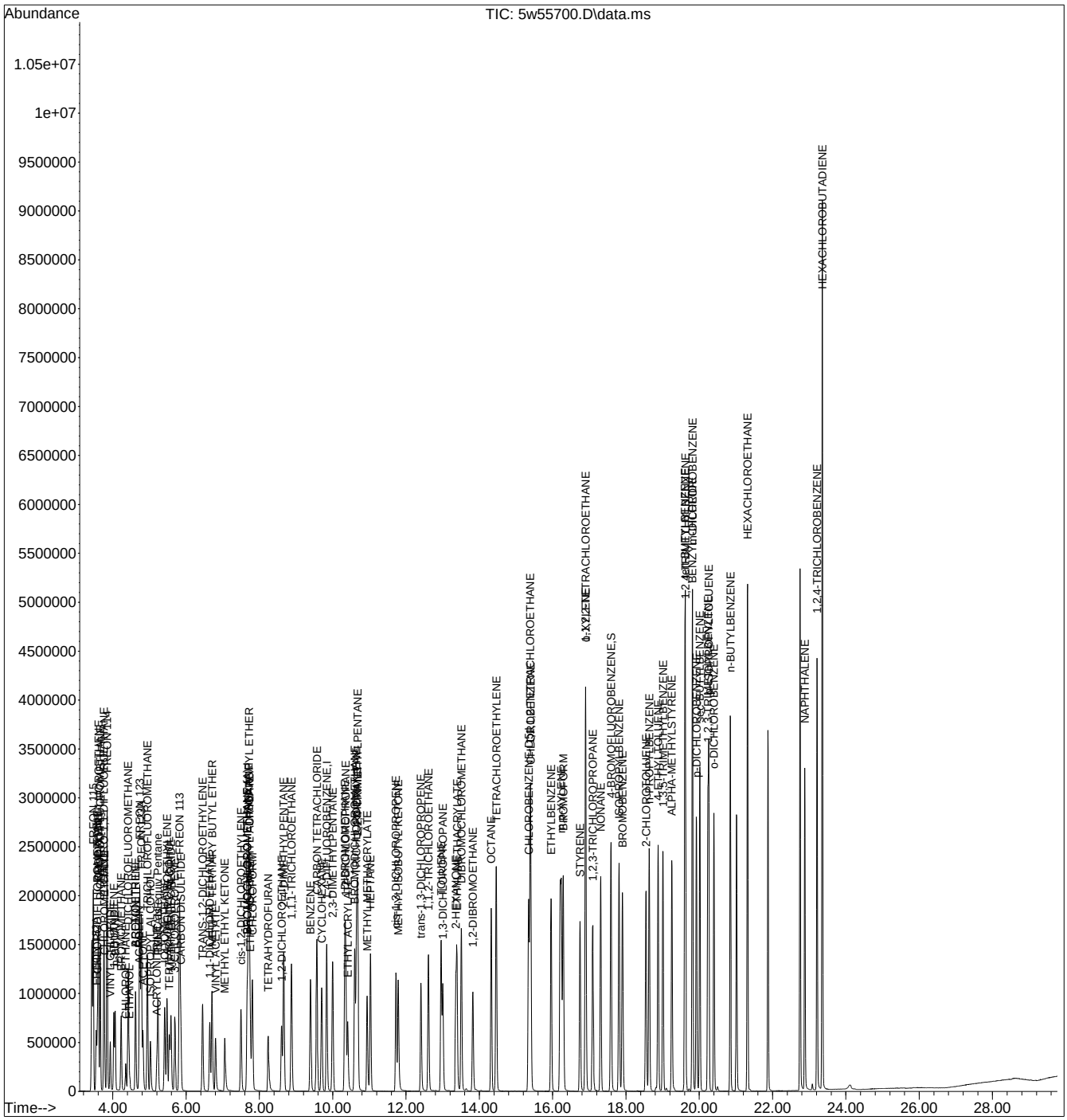
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	86358	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	435174	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	379594	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	86358	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	275352	9.89	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	521	0.05	PPBV		95
3) FREON 152A	1.650	65	283	0.05	PPBV		98
4) CHLORODIFLUOROMETHANE	1.659	67	125	0.04	PPBV	#	38
5) CHLOROTRIFLUOROETHENE	1.676	116	644	0.05	PPBV		79
6) DICHLORODIFLUOROMETHANE	1.688	85	1424	0.04	PPBV		95
7) PROPYLENE	1.672	41	412	0.05	PPBV	#	75
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1198	0.04	PPBV	#	77
9) FREON 114	1.759	85	1188	0.04	PPBV		97
10) CHLOROMETHANE	1.733	52	270	0.06	PPBV		88
11) VINYL CHLORIDE	1.795	62	622	0.05	PPBV	#	84
12) 1,3-BUTADIENE	1.833	54	532	0.05	PPBV	#	38
13) N-BUTANE	1.849	43	921	0.05	PPBV	#	1
14) BROMOMETHANE	1.910	94	499	0.05	PPBV		100
15) CHLOROETHANE	1.958	64	295	0.04	PPBV		95
16) DICHLOROFLUOROMETHANE	1.984	67	1087	0.04	PPBV	#	74
17) ACETONITRILE	2.055	41	1005	0.07	PPBV	#	82
19) FREON 123	2.106	83	1209	0.04	PPBV		92
20) FREON 123A	2.126	117	644	0.04	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.190	101	1284	0.04	PPBV		98
22) ISOPROPYL ALCOHOL	2.229	45	1604	0.05	PPBV	#	74
23) ACETONE	2.142	58	1052	0.10	PPBV		91
24) PENTANE	2.306	42	809	0.05	PPBV	#	91
25) IODOMETHANE	2.367	142	1057	0.04	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.389	96	495	0.04	PPBV		92
27) CARBON DISULFIDE	2.528	76	1277	0.04	PPBV	#	75
28) ETHANOL	2.000	45	820	0.07	PPBV	#	64
29) BROMOETHENE	2.061	106	450	0.04	PPBV	#	80
30) ACRYLONITRILE	2.277	52	632	0.06	PPBV		87
31) METHYLENE CHLORIDE	2.425	84	890	0.07	PPBV		87
32) 3-CHLOROPROPENE	2.470	76	287	0.05	PPBV	#	1
33) FREON 113	2.521	151	715	0.04	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.753	96	522	0.04	PPBV		78
35) TERTIARY BUTYL ALCOHOL	2.447	59	1139	0.04	PPBV	#	51
36) METHYL TERTIARY BUTYL ...	2.878	73	1180	0.04	PPBV	#	81
37) TETRAHYDROFURAN	3.598	72	164	0.03	PPBV	#	47
38) HEXANE	3.322	57	1231	0.05	PPBV		88
39) VINYL ACETATE	2.910	86	51	0.02	PPBV	#	1
40) 1,1-DICHLOROETHANE	2.830	63	955	0.04	PPBV	#	86
41) METHYL ETHYL KETONE	3.010	72	219	0.04	PPBV	#	14
42) CIS-1,2-DICHLOROETHENE	3.190	96	521	0.04	PPBV		97
43) DIISOPROPYL ETHER	3.338	59	208	0.03	PPBV		43
44) ETHYL ACETATE	3.341	61	177	0.04	PPBV	#	83
45) METHYL ACRYLATE	3.328	55	948	0.04	PPBV		90
46) CHLOROFORM	3.344	83	987	0.04	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.836	57	1018	0.04	PPBV		92
48) 1,1,1-TRICHLOROETHANE	3.910	97	923	0.04	PPBV		93
49) CARBON TETRACHLORIDE	4.335	117	765	0.03	PPBV		94
50) 1,2-DICHLOROETHANE	3.749	62	737	0.04	PPBV	#	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

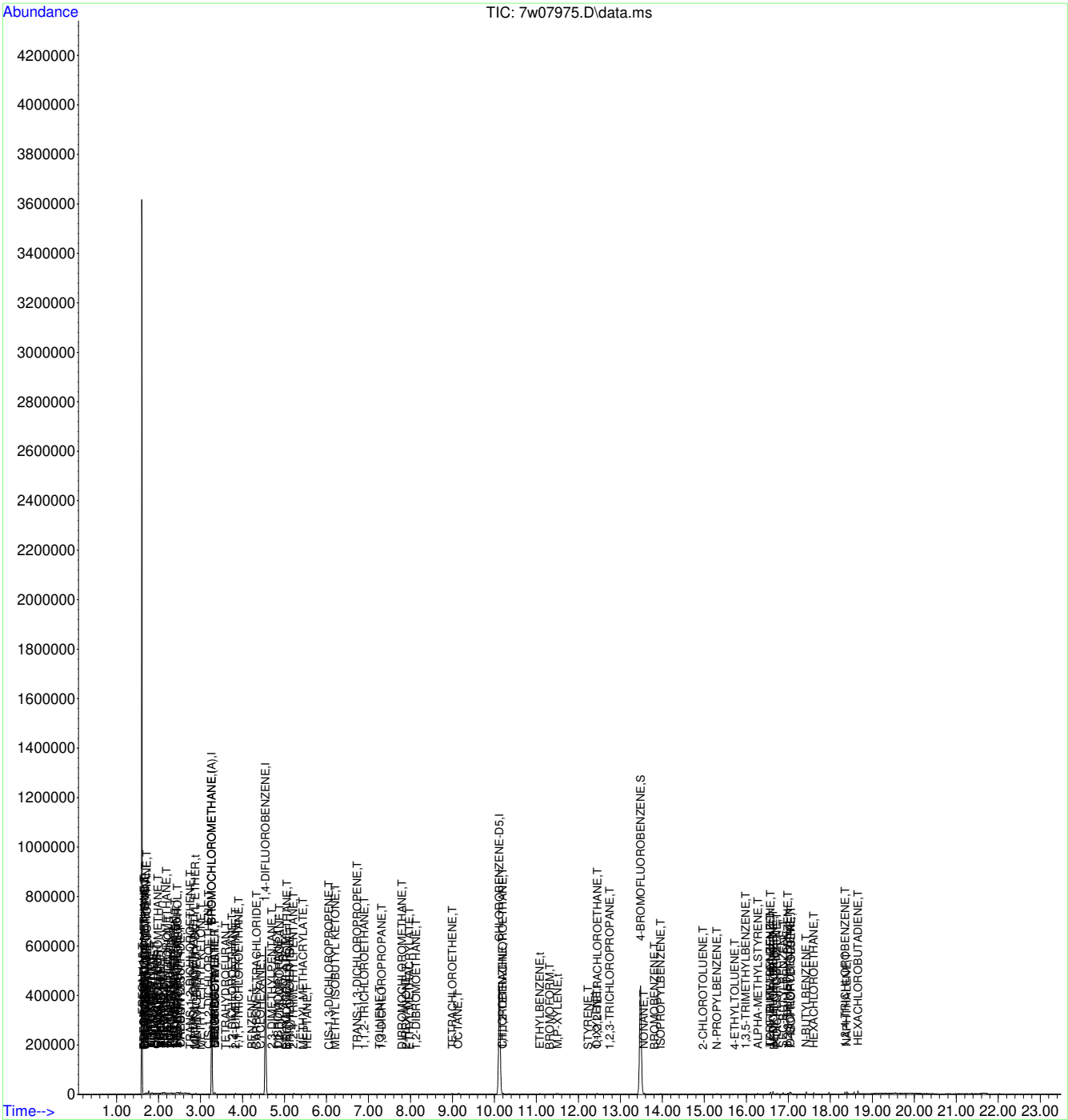
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51) BENZENE	4.219	78	1765	0.05	PPBV		98
53) CYCLOHEXANE	4.428	84	693	0.04	PPBV		95
54) 2,3-DIMETHYLPENTANE	4.695	71	323	0.04	PPBV	#	73
55) TRICHLOROETHENE	5.122	95	728	0.04	PPBV		89
56) 1,2-DICHLOROPROPANE	4.884	63	609	0.04	PPBV	#	86
57) DIBROMOMETHANE	4.846	174	617	0.04	PPBV		90
58) ETHYL ACRYLATE	5.032	55	1286	0.04	PPBV	#	86
59) BROMODICHLOROMETHANE	5.061	83	937	0.04	PPBV		95
60) 2,2,4-TRIMETHYLPENTANE	5.216	57	3047	0.04	PPBV	#	93
62) HEPTANE	5.540	43	1123	0.04	PPBV		92
63) METHYL METHACRYLATE	5.447	69	574	0.04	PPBV	#	85
64) METHYL ISOBUTYL KETONE	6.206	58	746	0.05	PPBV	#	1
65) CIS-1,3-DICHLOROPROPENE	6.058	75	655	0.03	PPBV		86
66) TOLUENE	7.264	91	2052	0.04	PPBV		98
67) 1,3-DICHLOROPROPANE	7.315	76	924	0.04	PPBV	#	84
68) TRANS-1,3-DICHLOROPROPENE	6.730	75	422	0.03	PPBV		90
69) 1,1,2-TRICHLOROETHANE	6.904	83	497	0.04	PPBV		98
70) 2-HEXANONE	7.900	58	1104	0.05	PPBV	#	95
71) ETHYL METHACRYLATE	7.978	69	838	0.04	PPBV	#	87
72) TETRACHLOROETHENE	8.994	164	878	0.05	PPBV		93
73) DIBROMOCHLOROMETHANE	7.797	129	793	0.03	PPBV		92
74) 1,2-DIBROMOETHANE	8.138	107	952	0.04	PPBV	#	99
75) OCTANE	9.135	43	2128	0.06	PPBV	#	79
77) 1,1,1,2-TETRACHLOROETHANE	10.196	131	638	0.04	PPBV		86
78) CHLOROBENZENE	10.190	112	1477	0.04	PPBV	#	87
79) ETHYLBENZENE	11.080	91	2859	0.05	PPBV		99
80) M,P-XYLENE	11.505	91	4346m	0.09	PPBV		
81) O-XYLENE	12.434	91	2112	0.04	PPBV		84
82) STYRENE	12.231	104	1406	0.04	PPBV	#	67
83) NONANE	13.556	43	1791	0.05	PPBV	#	83
84) BROMOFORM	11.318	173	690m	0.03	PPBV		
85) 1,1,2,2-TETRACHLOROETHANE	12.456	83	1288	0.04	PPBV	#	90
86) 1,2,3-TRICHLOROPROPANE	12.743	75	1102	0.04	PPBV	#	99
88) ISOPROPYLBENZENE	13.958	120	662	0.04	PPBV		78
89) BROMOBENZENE	13.810	77	1167	0.03	PPBV		95
90) 2-CHLOROTOLUENE	14.964	126	643	0.04	PPBV	#	62
91) N-PROPYLBENZENE	15.299	120	676	0.04	PPBV	#	62
92) 4-ETHYLTOLUENE	15.723	105	2657m	0.04	PPBV		
93) 1,3,5-TRIMETHYLBENZENE	15.987	105	2186	0.04	PPBV		97
94) ALPHA-METHYLSTYRENE	16.276	118	1080	0.04	PPBV		98
95) TERT-BUTYLBENZENE	16.569	134	543	0.04	PPBV		94
96) 1,2,4-TRIMETHYLBENZENE	16.578	105	2186	0.04	PPBV		95
97) BENZYL CHLORIDE	16.662	91	535	0.02	PPBV	#	61
98) M-DICHLOROBENZENE	16.636	146	1366	0.04	PPBV		94
99) P-DICHLOROBENZENE	16.730	146	1547	0.04	PPBV		97
100) O-DICHLOROBENZENE	17.041	146	1438	0.04	PPBV		96
101) SEC-BUTYLBENZENE	16.871	134	621	0.04	PPBV		88
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	2316	0.04	PPBV	#	89
103) P-ISOPROPYLTOLUENE	17.064	134	687	0.04	PPBV		94
104) N-BUTYLBENZENE	17.424	134	648	0.04	PPBV		83
105) HEXACHLOROETHANE	17.604	117	508	0.03	PPBV		93
106) HEXACHLOROBUTADIENE	18.659	225	1096	0.04	PPBV		95
107) 1,2,4-TRICHLOROBENZENE	18.350	180	1301	0.04	PPBV		97
108) NAPHTHALENE	18.395	128	4007	0.04	PPBV		100
110) TVHC as equiv Pentane	2.306	TIC	3733m	0.04	PPBV		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



Manual Integration Approval Summary

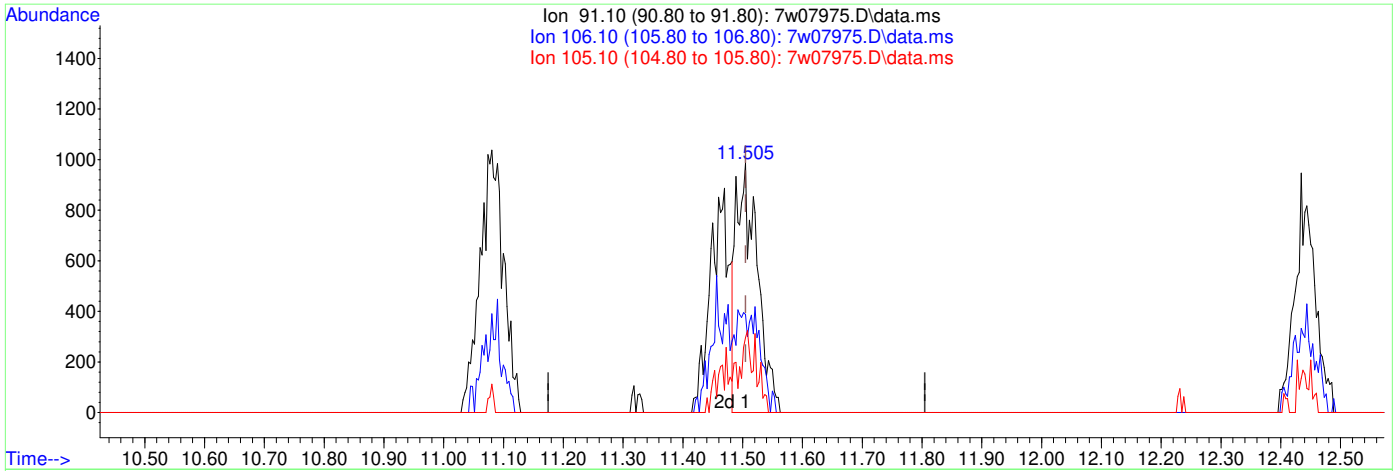
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07975.D	**Analyst approved:**	08/19/24 10:01 Benjamin Kim
Injection Time:	08/18/24 21:40	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

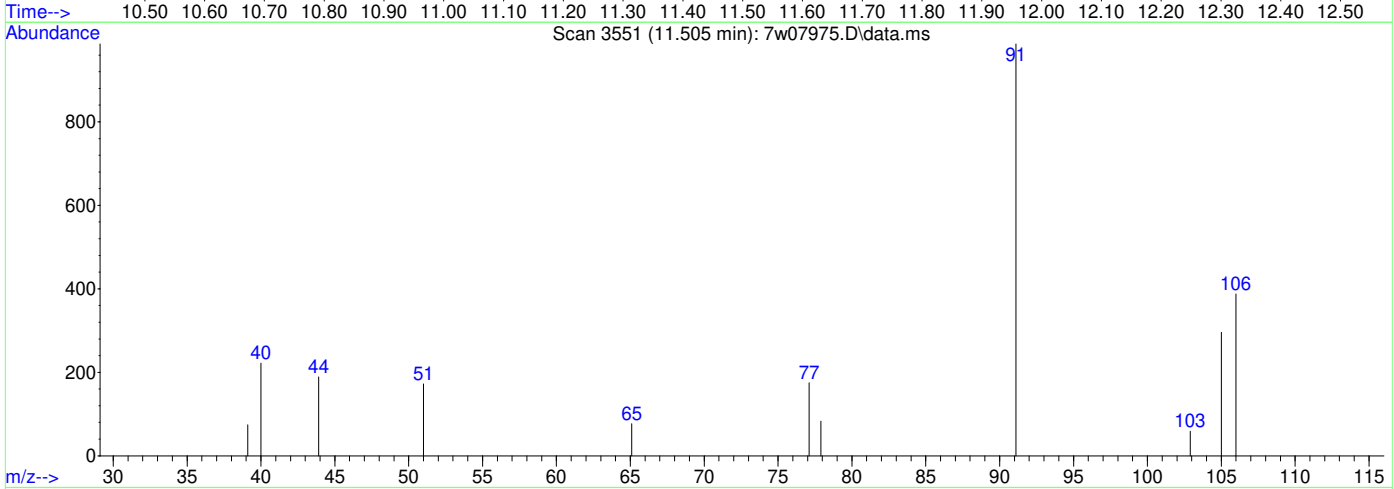
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.31	Poor instrument integration
Bromoform	75-25-2		11.32	Split peak
m,p-Xylene			11.50	Split peak
4-Ethyltoluene	622-96-8		15.72	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.05PPBV

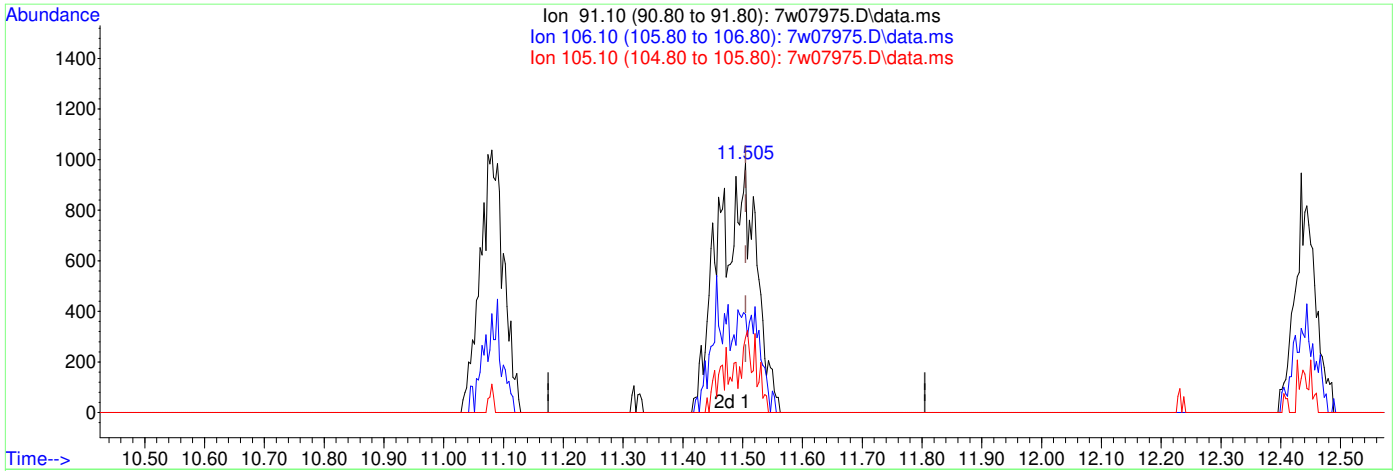
response 2415

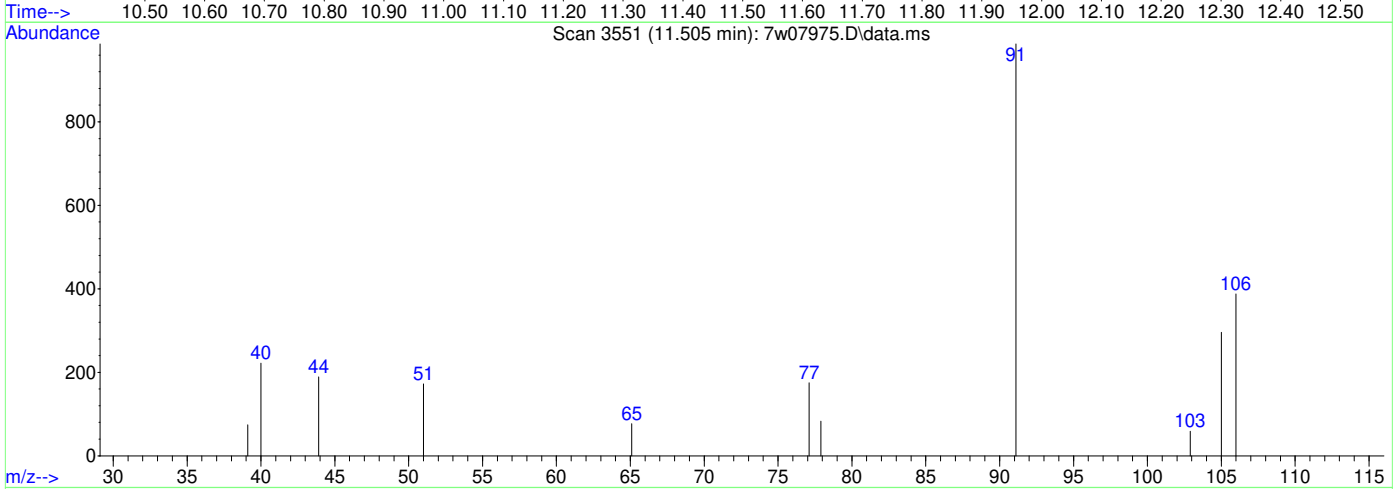
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	17.97
105.10	11.30	30.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.09PPBV m

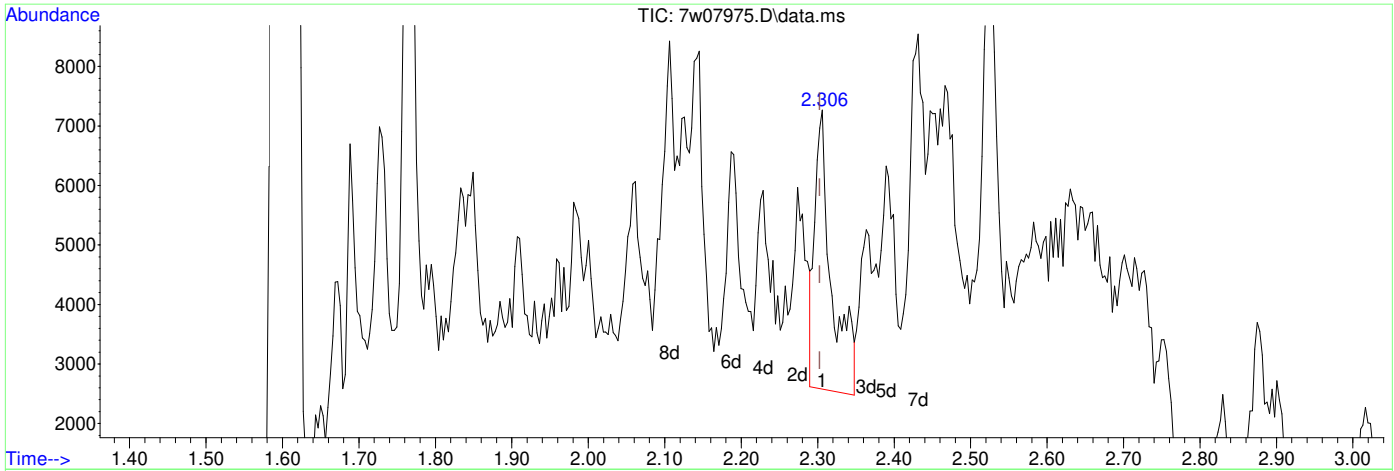
response 4346

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	9.99
105.10	11.30	16.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.08PPBV

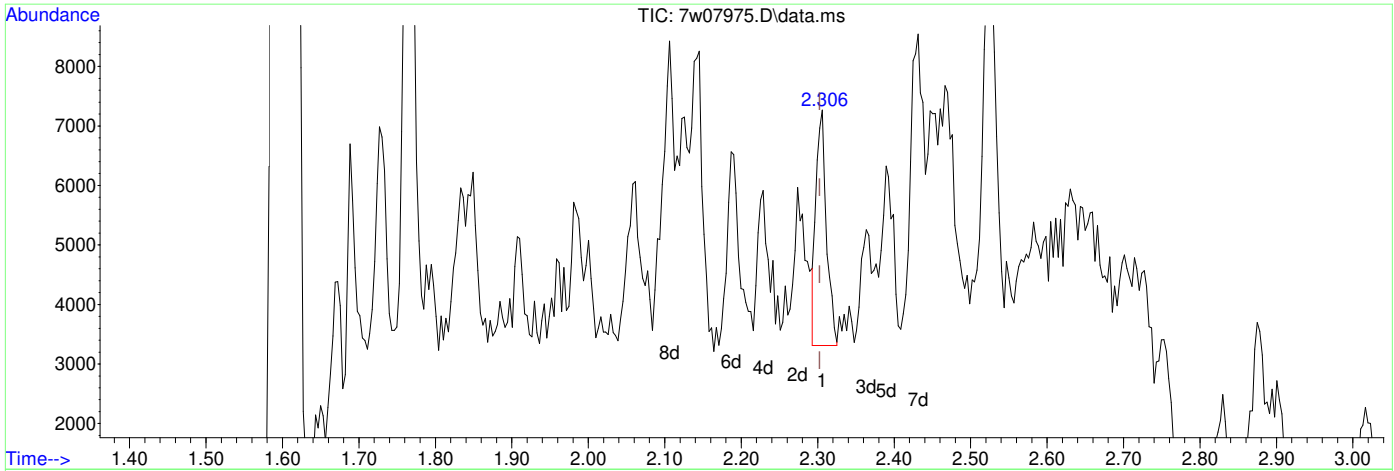
response 7138

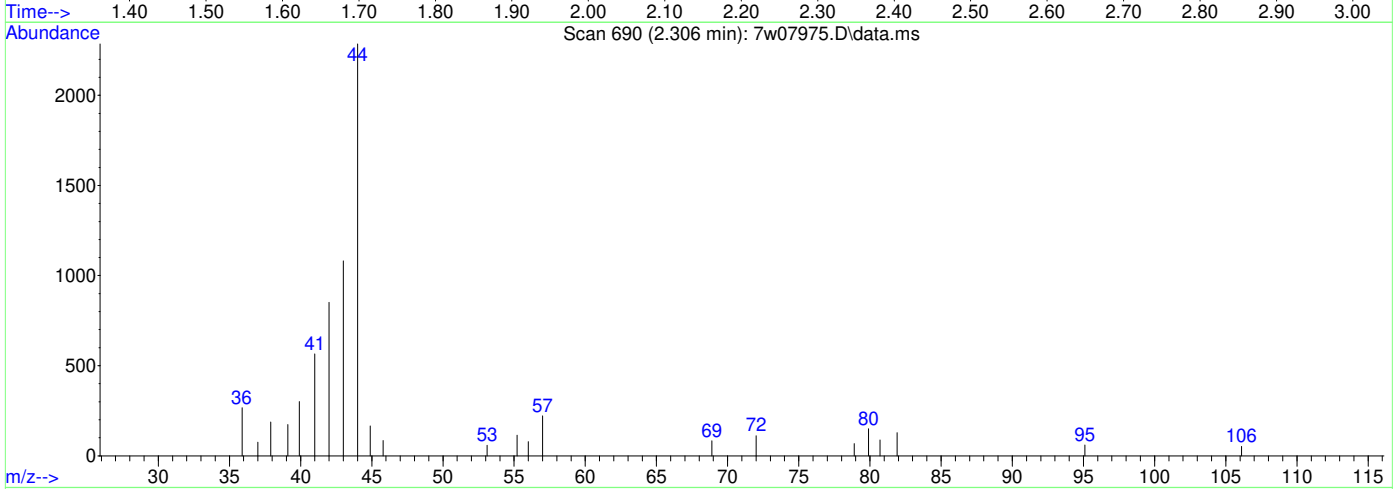
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.04PPBV m

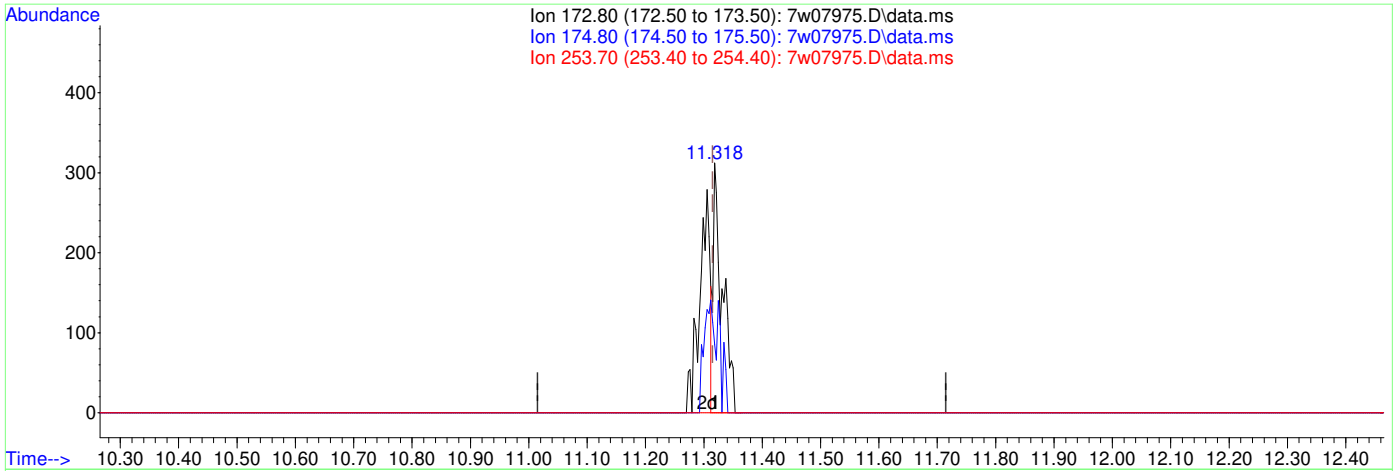
response 3733

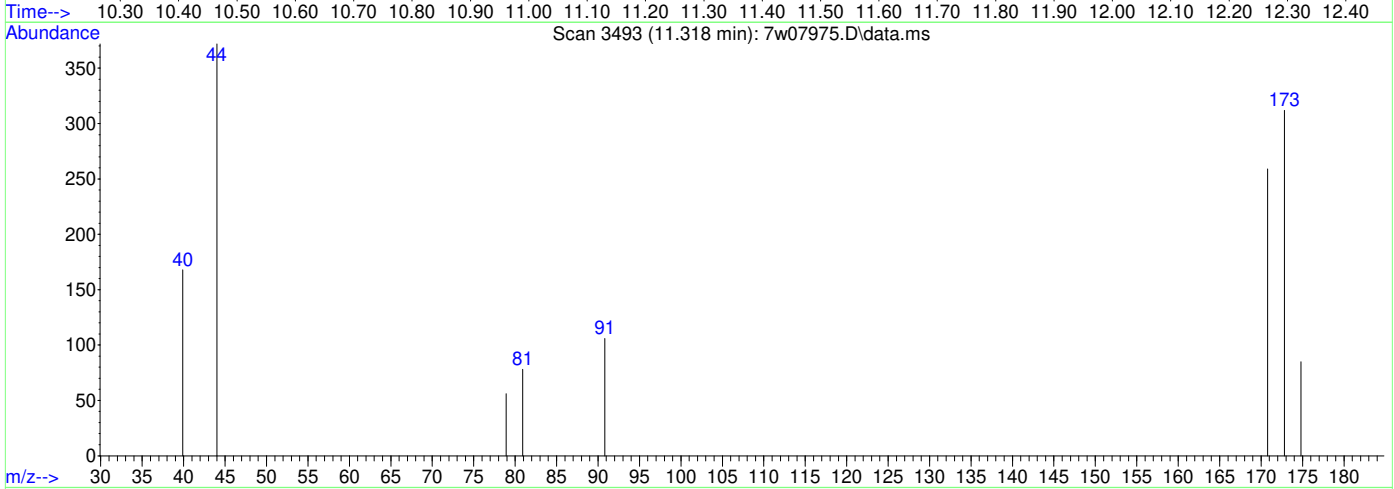
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.02PPBV

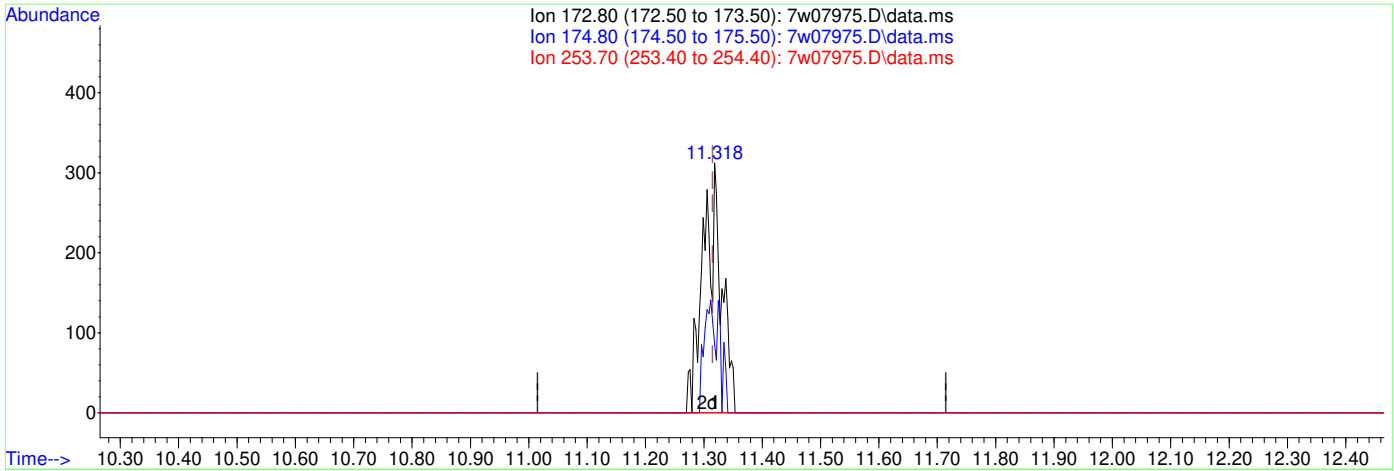
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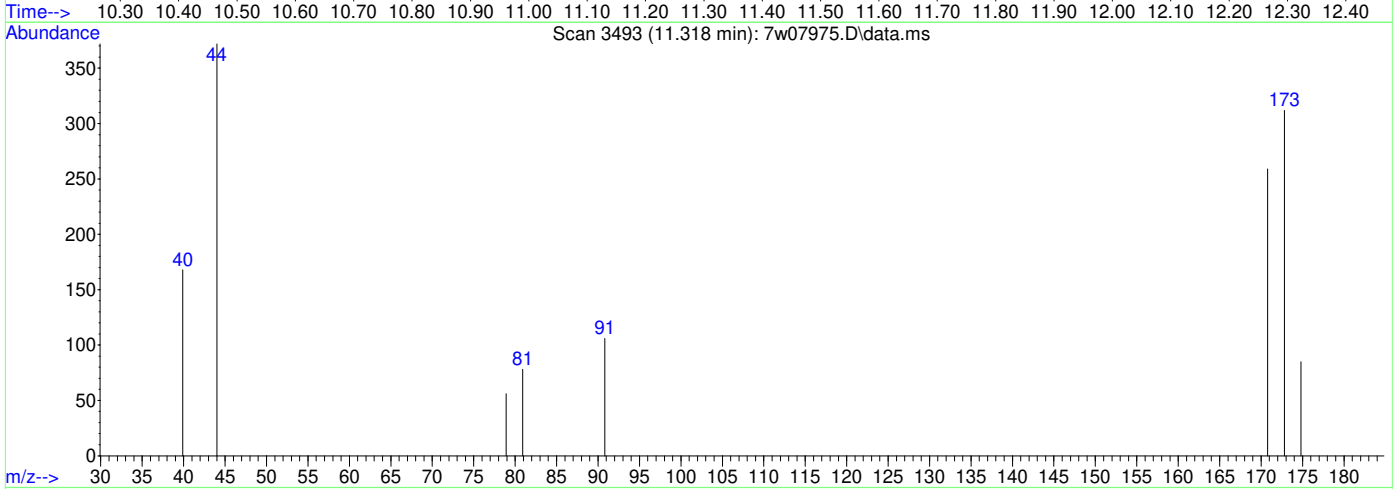
Ion	Exp%	Act%
172.80	100	100
174.80	48.30	73.76#
253.70	8.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.03PPBV m

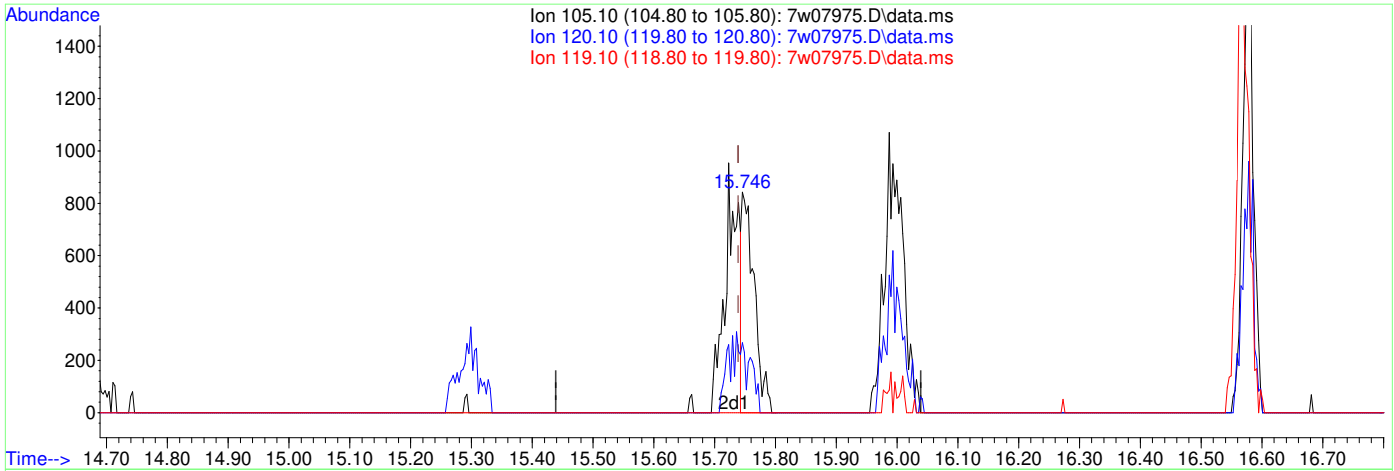
response 690

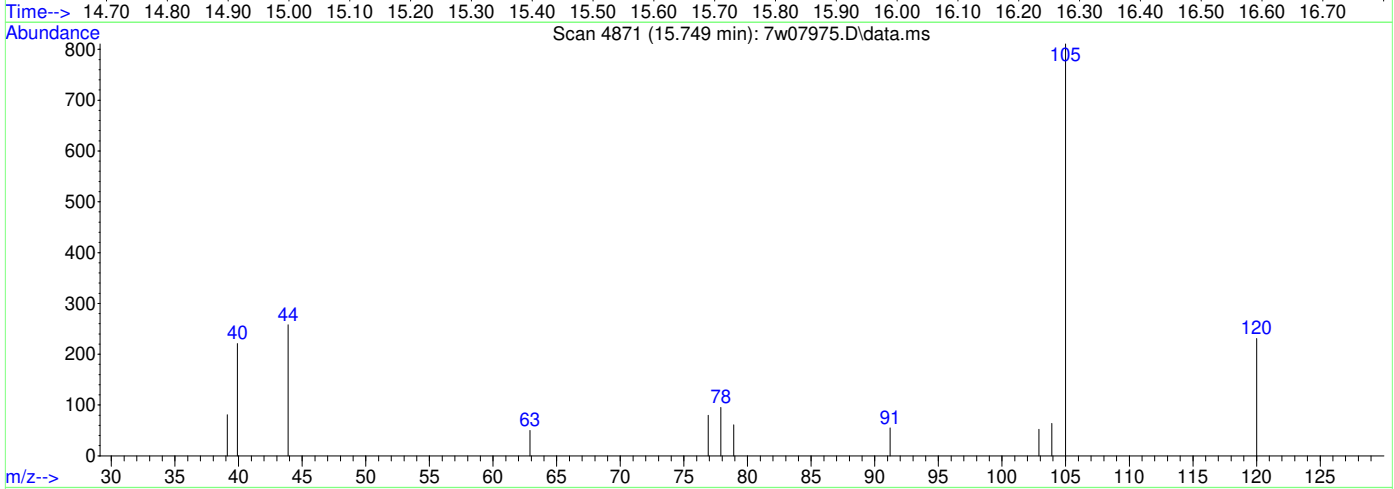
Ion	Exp%	Act%
172.80	100	100
174.80	48.30	36.67
253.70	8.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.749min (+0.010) 0.02PPBV

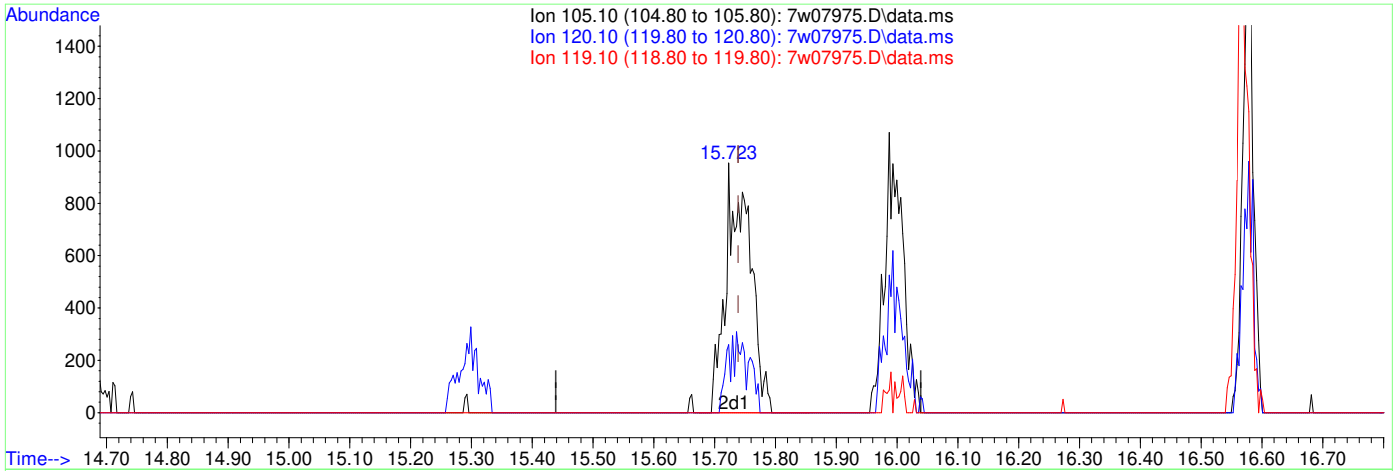
response 1190

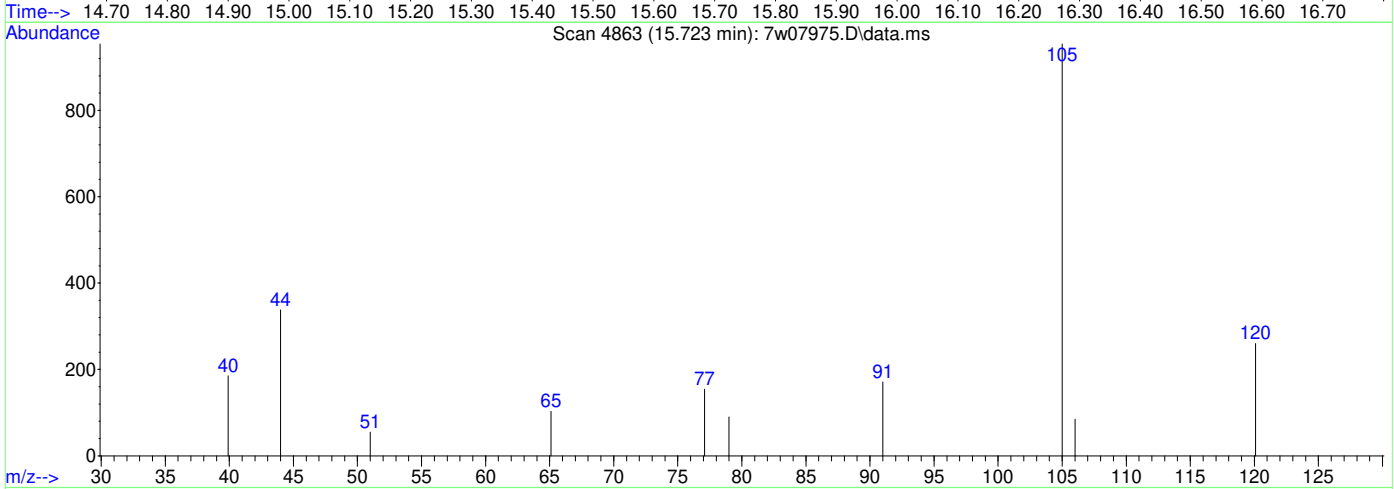
Ion	Exp%	Act%
105.10	100	100
120.10	29.90	59.66#
119.10	2.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.723min (-0.016) 0.04PPBV m

response 2657

Ion	Exp%	Act%
105.10	100	100
120.10	29.90	26.72
119.10	2.30	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	83993	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	426374	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	372534	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	83993	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.476	95	268355	9.65	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	1189	0.11	PPBV		97
3) FREON 152A	1.647	65	621	0.10	PPBV		99
4) CHLORODIFLUOROMETHANE	1.663	67	284	0.10	PPBV		86
5) CHLOROTRIFLUOROETHENE	1.672	116	1478	0.11	PPBV		82
6) DICHLORODIFLUOROMETHANE	1.688	85	3366	0.09	PPBV		97
7) PROPYLENE	1.672	41	1040	0.13	PPBV		91
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	2851	0.09	PPBV	#	85
9) FREON 114	1.762	85	3135	0.10	PPBV		96
10) CHLOROMETHANE	1.737	52	472	0.09	PPBV		99
11) VINYL CHLORIDE	1.791	62	1305	0.09	PPBV	#	96
12) 1,3-BUTADIENE	1.833	54	1195	0.09	PPBV	#	79
13) N-BUTANE	1.849	43	2166	0.09	PPBV	#	55
14) BROMOMETHANE	1.907	94	1159	0.10	PPBV		99
15) CHLOROETHANE	1.958	64	645	0.08	PPBV	#	92
16) DICHLOROFLUOROMETHANE	1.984	67	2615	0.09	PPBV		90
17) ACETONITRILE	2.055	41	1535	0.10	PPBV	#	70
18) ACROLEIN	2.097	56	855	0.11	PPBV		79
19) FREON 123	2.106	83	2595	0.08	PPBV		91
20) FREON 123A	2.122	117	1623	0.09	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.187	101	3104	0.09	PPBV		94
22) ISOPROPYL ALCOHOL	2.232	45	3464	0.09	PPBV	#	96
23) ACETONE	2.142	58	1367	0.13	PPBV		81
24) PENTANE	2.299	42	1690	0.09	PPBV		94
25) IODOMETHANE	2.367	142	2692	0.09	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.389	96	1212	0.09	PPBV		98
27) CARBON DISULFIDE	2.524	76	3323	0.09	PPBV	#	2
28) ETHANOL	1.997	45	1564	0.18	PPBV	#	91
29) BROMOETHENE	2.061	106	1012	0.08	PPBV	#	91
30) ACRYLONITRILE	2.277	52	1142	0.09	PPBV		88
31) METHYLENE CHLORIDE	2.428	84	1614	0.13	PPBV		97
32) 3-CHLOROPROPENE	2.467	76	615	0.09	PPBV	#	34
33) FREON 113	2.524	151	1786	0.09	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.753	96	1124	0.09	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.454	59	2814	0.09	PPBV	#	1
36) METHYL TERTIARY BUTYL ...	2.875	73	2894	0.10	PPBV	#	83
37) TETRAHYDROFURAN	3.589	72	550	0.11	PPBV		96
38) HEXANE	3.319	57	2328	0.10	PPBV		95
39) VINYL ACETATE	2.897	86	238	0.10	PPBV	#	28
40) 1,1-DICHLOROETHANE	2.827	63	2094	0.10	PPBV		97
41) METHYL ETHYL KETONE	3.013	72	631	0.12	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.190	96	1257	0.11	PPBV		95
43) DIISOPROPYL ETHER	3.338	59	665	0.11	PPBV		91
44) ETHYL ACETATE	3.348	61	500	0.11	PPBV		79
45) METHYL ACRYLATE	3.325	55	2546	0.09	PPBV		96
46) CHLOROFORM	3.338	83	2546	0.11	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.830	57	2770	0.11	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.913	97	2268	0.11	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	2109	0.10	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.746	62	1979	0.11	PPBV		94
51)	BENZENE	4.225	78	4011	0.12	PPBV		97
53)	CYCLOHEXANE	4.434	84	1594	0.11	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.675	71	764	0.10	PPBV		78
55)	TRICHLOROETHENE	5.122	95	1772	0.11	PPBV		93
56)	1,2-DICHLOROPROPANE	4.894	63	1565	0.11	PPBV		98
57)	DIBROMOMETHANE	4.849	174	1541	0.11	PPBV		98
58)	ETHYL ACRYLATE	5.029	55	3169	0.10	PPBV		98
59)	BROMODICHLOROMETHANE	5.068	83	2410	0.10	PPBV		89
60)	2,2,4-TRIMETHYLPENTANE	5.212	57	7392	0.10	PPBV		96
61)	1,4-DIOXANE	5.245	88	791	0.10	PPBV	#	31
62)	HEPTANE	5.534	43	2624	0.10	PPBV		98
63)	METHYL METHACRYLATE	5.441	69	1358	0.10	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.209	58	1670	0.11	PPBV		85
65)	CIS-1,3-DICHLOROPROPENE	6.064	75	1749	0.09	PPBV		95
66)	TOLUENE	7.257	91	4699	0.11	PPBV		100
67)	1,3-DICHLOROPROPANE	7.322	76	2200	0.10	PPBV		94
68)	TRANS-1,3-DICHLOROPROPENE	6.736	75	1161	0.07	PPBV		92
69)	1,1,2-TRICHLOROETHANE	6.894	83	1330	0.11	PPBV		97
70)	2-HEXANONE	7.891	58	2802	0.12	PPBV		98
71)	ETHYL METHACRYLATE	7.990	69	2017	0.09	PPBV	#	29
72)	TETRACHLOROETHENE	8.987	164	1787	0.11	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.791	129	2184	0.11	PPBV		96
74)	1,2-DIBROMOETHANE	8.148	107	2144	0.10	PPBV	#	93
75)	OCTANE	9.145	43	4023	0.11	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	1614	0.10	PPBV		98
78)	CHLOROBENZENE	10.196	112	3946	0.12	PPBV		98
79)	ETHYLBENZENE	11.077	91	6395	0.11	PPBV		98
80)	M,P-XYLENE	11.502	91	9776m	0.24	PPBV		
81)	O-XYLENE	12.444	91	5001	0.12	PPBV		96
82)	STYRENE	12.231	104	3528	0.11	PPBV		97
83)	NONANE	13.569	43	4019	0.11	PPBV		98
84)	BROMOFORM	11.309	173	1656	0.09	PPBV	#	94
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	3311	0.11	PPBV	#	27
86)	1,2,3-TRICHLOROPROPANE	12.730	75	2751	0.12	PPBV	#	99
88)	ISOPROPYLBENZENE	13.964	120	1945	0.12	PPBV		89
89)	BROMOBENZENE	13.813	77	3458	0.11	PPBV		95
90)	2-CHLOROTOLUENE	14.948	126	1559	0.11	PPBV		93
91)	N-PROPYLBENZENE	15.292	120	1817	0.11	PPBV	#	78
92)	4-ETHYLTOLUENE	15.743	105	6120	0.10	PPBV	#	75
93)	1,3,5-TRIMETHYLBENZENE	16.000	105	5446	0.10	PPBV		97
94)	ALPHA-METHYLSTYRENE	16.267	118	2523	0.09	PPBV		98
95)	TERT-BUTYLBENZENE	16.572	134	1313	0.10	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	5507	0.09	PPBV		97
97)	BENZYL CHLORIDE	16.669	91	1270	0.05	PPBV		98
98)	M-DICHLOROBENZENE	16.636	146	3586	0.10	PPBV		93
99)	P-DICHLOROBENZENE	16.733	146	3820	0.10	PPBV		100
100)	O-DICHLOROBENZENE	17.041	146	3498	0.10	PPBV		98
101)	SEC-BUTYLBENZENE	16.878	134	1720	0.10	PPBV		90
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	5572	0.10	PPBV		97
103)	P-ISOPROPYLTOLUENE	17.061	134	1842	0.10	PPBV		91
104)	N-BUTYLBENZENE	17.427	134	1626	0.09	PPBV		90
105)	HEXACHLOROETHANE	17.604	117	1235	0.07	PPBV		96
106)	HEXACHLOROBUTADIENE	18.656	225	2528	0.10	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	18.350	180	3381	0.14	PPBV		97
108)	NAPHTHALENE	18.395	128	9159	0.16	PPBV		98
110)	TVHC as equiv Pentane	2.303	TIC	8184	0.10	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

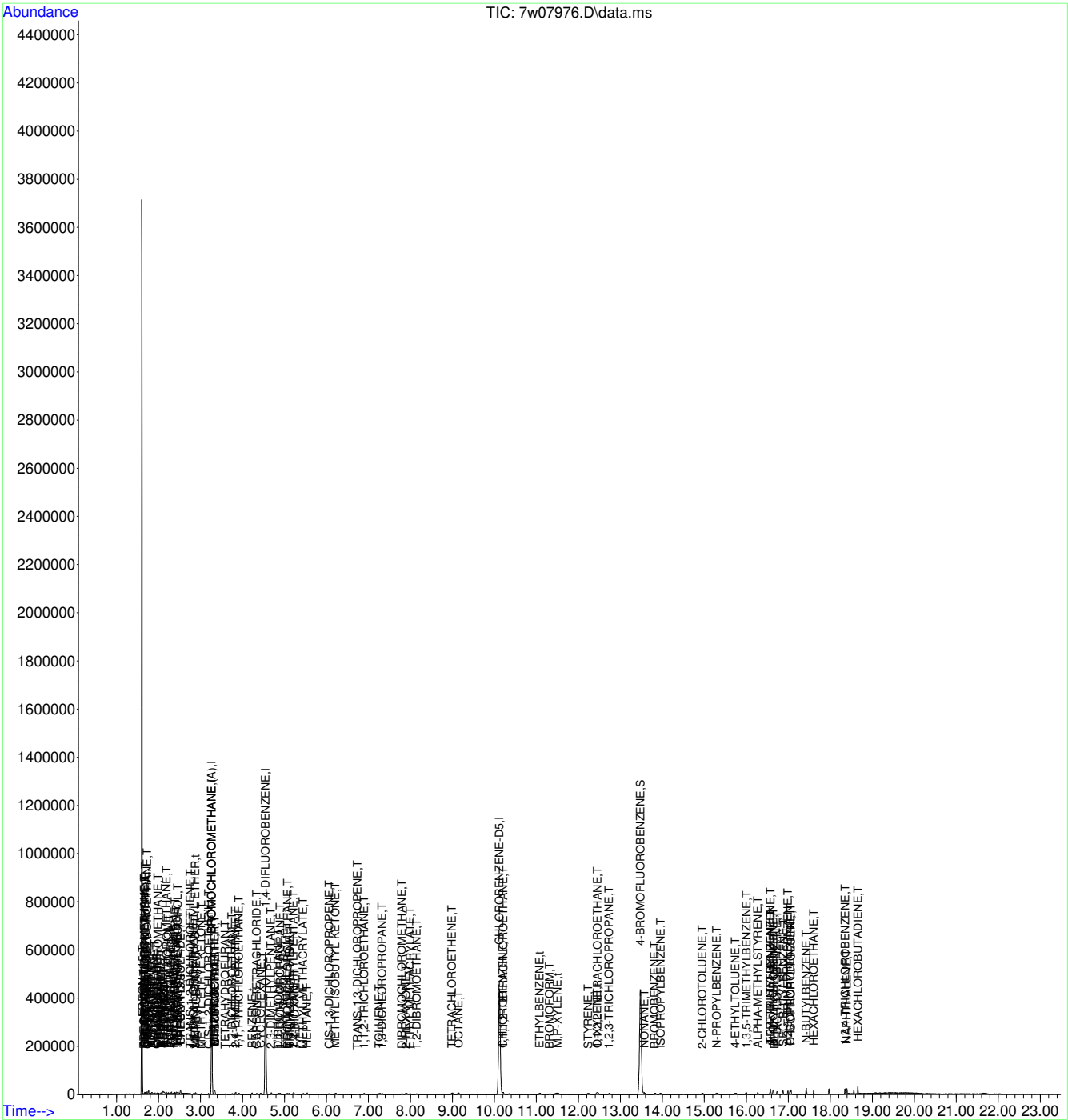
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration



Manual Integration Approval Summary

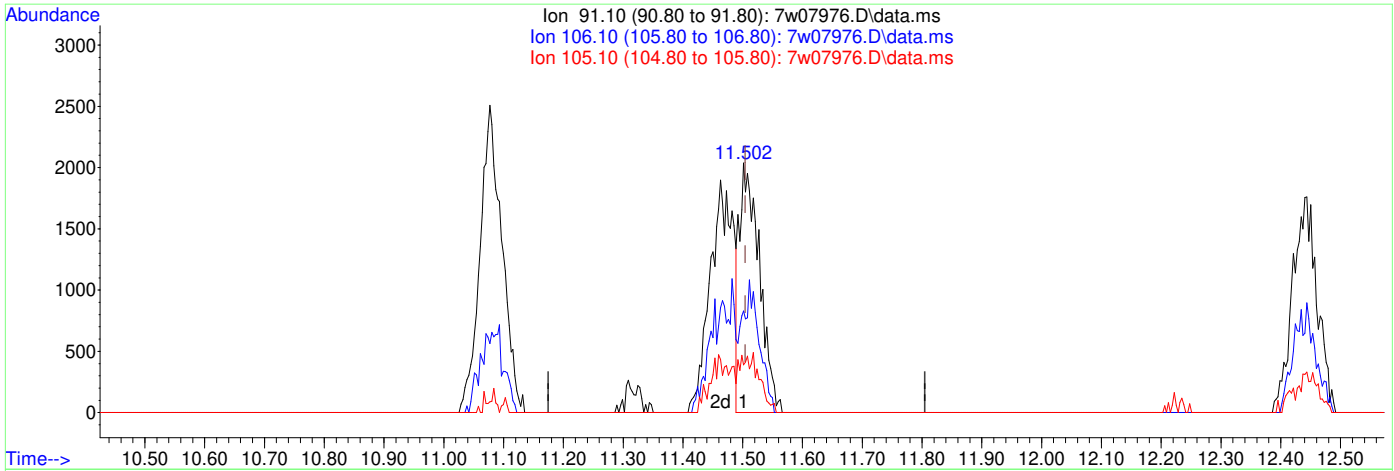
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07976.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/18/24 22:13	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

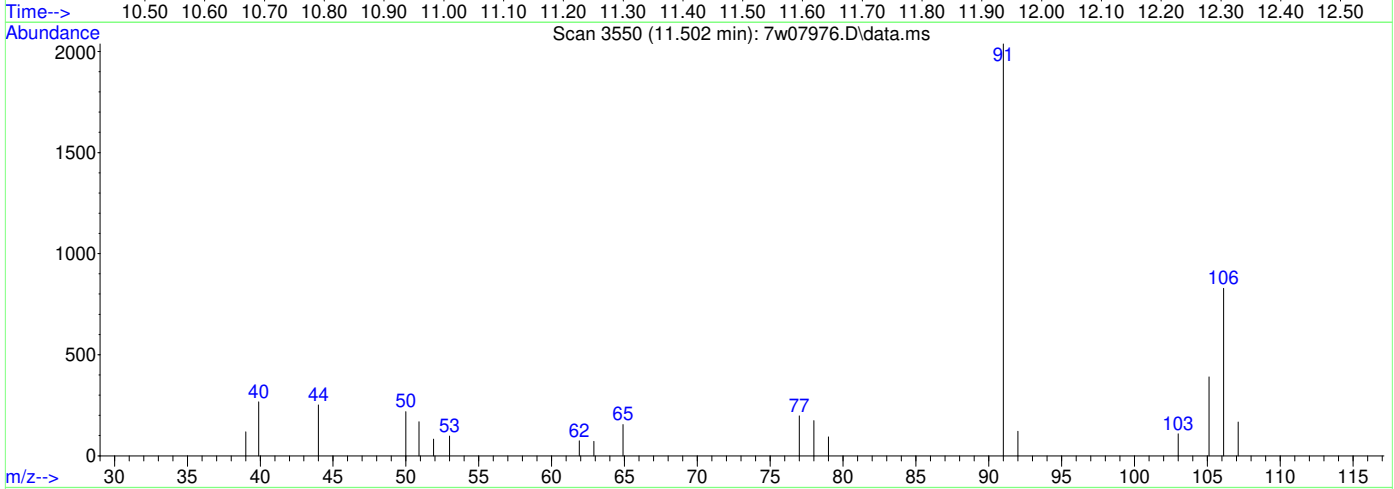
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.50	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration





TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.11PPBV

response 4741

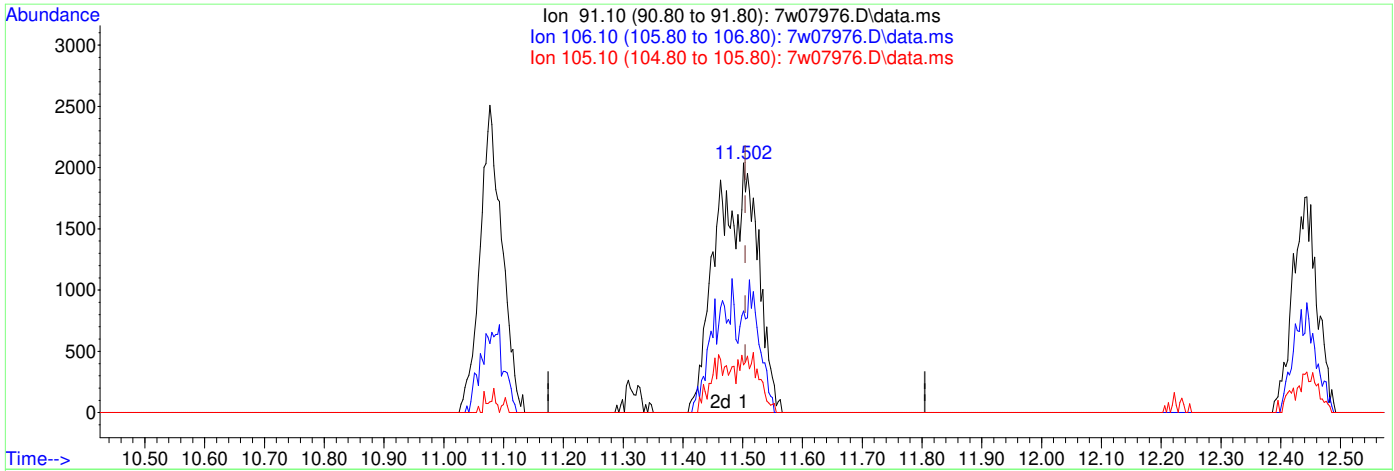
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	41.55
105.10	11.30	23.24
0.00	0.00	0.00

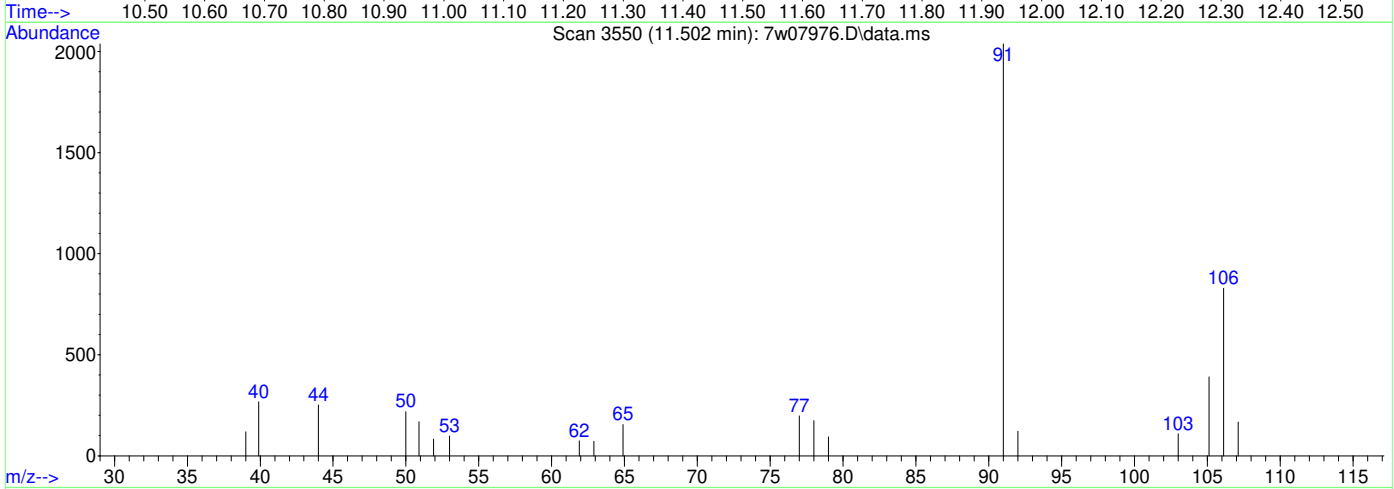
7W07976.D edits: M,P-XYLENE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration





TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.24PPBV m

response 9776

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	20.15
105.10	11.30	11.27
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	81591	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	417480	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	367012	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	81591	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	264802	9.63	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	2326	0.21	PPBV		94
3) FREON 152A	1.647	65	1163	0.19	PPBV		92
4) CHLORODIFLUOROMETHANE	1.656	67	602	0.23	PPBV		87
5) CHLOROTRIFLUOROETHENE	1.673	116	2630	0.21	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.685	85	6840	0.19	PPBV		98
7) PROPYLENE	1.669	41	1717	0.21	PPBV		94
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	5757	0.18	PPBV		91
9) FREON 114	1.759	85	5769	0.18	PPBV		98
10) CHLOROMETHANE	1.727	52	850	0.17	PPBV		99
11) VINYL CHLORIDE	1.791	62	2663	0.18	PPBV		96
12) 1,3-BUTADIENE	1.830	54	2375	0.19	PPBV		94
13) N-BUTANE	1.846	43	4070	0.17	PPBV	#	79
14) BROMOMETHANE	1.907	94	2219	0.19	PPBV		98
15) CHLOROETHANE	1.955	64	1401	0.17	PPBV		92
16) DICHLOROFLUOROMETHANE	1.981	67	5439	0.19	PPBV		99
17) ACETONITRILE	2.055	41	3149	0.21	PPBV		93
18) ACROLEIN	2.094	56	1372	0.19	PPBV		89
19) FREON 123	2.103	83	5470	0.17	PPBV		98
20) FREON 123A	2.123	117	3145	0.18	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.187	101	5923	0.18	PPBV		97
22) ISOPROPYL ALCOHOL	2.226	45	6150	0.16	PPBV		100
23) ACETONE	2.139	58	2159	0.22	PPBV		100
24) PENTANE	2.299	42	3022	0.16	PPBV		96
25) IODOMETHANE	2.361	142	5432	0.18	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.390	96	2330	0.18	PPBV		98
27) CARBON DISULFIDE	2.525	76	6551	0.18	PPBV	#	31
28) ETHANOL	2.000	45	2022	0.24	PPBV		87
29) BROMOETHENE	2.058	106	2034	0.17	PPBV	#	96
30) ACRYLONITRILE	2.277	52	2439	0.18	PPBV		94
31) METHYLENE CHLORIDE	2.425	84	2696	0.22	PPBV		94
32) 3-CHLOROPROPENE	2.470	76	1256	0.18	PPBV	#	56
33) FREON 113	2.521	151	3632	0.19	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.750	96	2164	0.18	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.451	59	5152	0.16	PPBV	#	60
36) METHYL TERTIARY BUTYL ...	2.872	73	5623	0.21	PPBV	#	94
37) TETRAHYDROFURAN	3.582	72	1097	0.23	PPBV		95
38) HEXANE	3.322	57	4465	0.20	PPBV		96
39) VINYL ACETATE	2.907	86	442	0.19	PPBV	#	41
40) 1,1-DICHLOROETHANE	2.827	63	4233	0.21	PPBV		100
41) METHYL ETHYL KETONE	3.013	72	1161	0.22	PPBV		89
42) CIS-1,2-DICHLOROETHENE	3.190	96	2366	0.22	PPBV		97
43) DIISOPROPYL ETHER	3.338	59	1113	0.18	PPBV		76
44) ETHYL ACETATE	3.344	61	910	0.22	PPBV	#	94
45) METHYL ACRYLATE	3.325	55	4855	0.19	PPBV	#	25
46) CHLOROFORM	3.338	83	4898	0.22	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.836	57	4922	0.20	PPBV		96
48) 1,1,1-TRICHLOROETHANE	3.910	97	4147	0.20	PPBV		98
49) CARBON TETRACHLORIDE	4.338	117	4013	0.20	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.746	62	3831	0.22	PPBV		98
51) BENZENE	4.222	78	7289	0.22	PPBV		98
53) CYCLOHEXANE	4.434	84	3089	0.22	PPBV		95
54) 2,3-DIMETHYLPENTANE	4.682	71	1631	0.22	PPBV		93
55) TRICHLOROETHENE	5.119	95	3128	0.21	PPBV		95
56) 1,2-DICHLOROPROPANE	4.888	63	2838	0.20	PPBV		95
57) DIBROMOMETHANE	4.846	174	2782	0.20	PPBV		95
58) ETHYL ACRYLATE	5.020	55	6089	0.20	PPBV		99
59) BROMODICHLOROMETHANE	5.065	83	4748	0.20	PPBV		95
60) 2,2,4-TRIMETHYLPENTANE	5.216	57	14752	0.21	PPBV		98
61) 1,4-DIOXANE	5.222	88	2233	0.23	PPBV	#	1
62) HEPTANE	5.534	43	5290	0.21	PPBV		97
63) METHYL METHACRYLATE	5.441	69	2733	0.22	PPBV		98
64) METHYL ISOBUTYL KETONE	6.216	58	3415	0.22	PPBV		98
65) CIS-1,3-DICHLOROPROPENE	6.061	75	3343	0.18	PPBV		95
66) TOLUENE	7.264	91	9195	0.22	PPBV		100
67) 1,3-DICHLOROPROPANE	7.319	76	4502	0.22	PPBV		98
68) TRANS-1,3-DICHLOROPROPENE	6.737	75	2208	0.14	PPBV		90
69) 1,1,2-TRICHLOROETHANE	6.891	83	2480	0.21	PPBV		97
70) 2-HEXANONE	7.888	58	5066	0.18	PPBV		93
71) ETHYL METHACRYLATE	7.984	69	4055	0.20	PPBV		98
72) TETRACHLOROETHENE	8.991	164	3549	0.22	PPBV		96
73) DIBROMOCHLOROMETHANE	7.794	129	4142	0.21	PPBV		100
74) 1,2-DIBROMOETHANE	8.135	107	4391	0.22	PPBV	#	98
75) OCTANE	9.135	43	7595	0.22	PPBV		97
77) 1,1,1,2-TETRACHLOROETHANE	10.209	131	2986	0.19	PPBV		98
78) CHLOROBENZENE	10.199	112	7462	0.23	PPBV		97
79) ETHYLBENZENE	11.077	91	12480	0.20	PPBV		96
80) M,P-XYLENE	11.498	91	18766m	0.43	PPBV		
81) O-XYLENE	12.447	91	9653	0.23	PPBV		87
82) STYRENE	12.235	104	6881	0.23	PPBV		100
83) NONANE	13.563	43	7639	0.22	PPBV		96
84) BROMOFORM	11.322	173	3470	0.19	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	12.453	83	6952	0.23	PPBV		97
86) 1,2,3-TRICHLOROPROPANE	12.740	75	5179	0.22	PPBV	#	99
88) ISOPROPYLBENZENE	13.958	120	3629	0.22	PPBV		97
89) BROMOBENZENE	13.820	77	6828	0.23	PPBV		97
90) 2-CHLOROTOLUENE	14.955	126	3019	0.20	PPBV		99
91) N-PROPYLBENZENE	15.305	120	3589	0.22	PPBV		95
92) 4-ETHYLTOLUENE	15.746	105	13103	0.20	PPBV	#	100
93) 1,3,5-TRIMETHYLBENZENE	15.993	105	10844	0.20	PPBV		98
94) ALPHA-METHYLSTYRENE	16.267	118	5388	0.20	PPBV		97
95) TERT-BUTYLBENZENE	16.569	134	2559	0.18	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.575	105	11120	0.19	PPBV		98
97) BENZYL CHLORIDE	16.665	91	2497	0.10	PPBV		96
98) M-DICHLOROBENZENE	16.640	146	7185	0.20	PPBV		99
99) P-DICHLOROBENZENE	16.730	146	7542	0.20	PPBV		98
100) O-DICHLOROBENZENE	17.042	146	7199	0.20	PPBV		100
101) SEC-BUTYLBENZENE	16.874	134	3121	0.19	PPBV		94
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	11396	0.20	PPBV	#	96
103) P-ISOPROPYLTOLUENE	17.067	134	3732	0.21	PPBV		91
104) N-BUTYLBENZENE	17.427	134	3509	0.21	PPBV		98
105) HEXACHLOROETHANE	17.601	117	2451	0.14	PPBV		97
106) HEXACHLOROBUTADIENE	18.656	225	4955	0.20	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.347	180	6745	0.33	PPBV		98
108) NAPHTHALENE	18.395	128	18097	0.38	PPBV		99
110) TVHC as equiv Pentane	2.303	TIC	17481	0.21	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

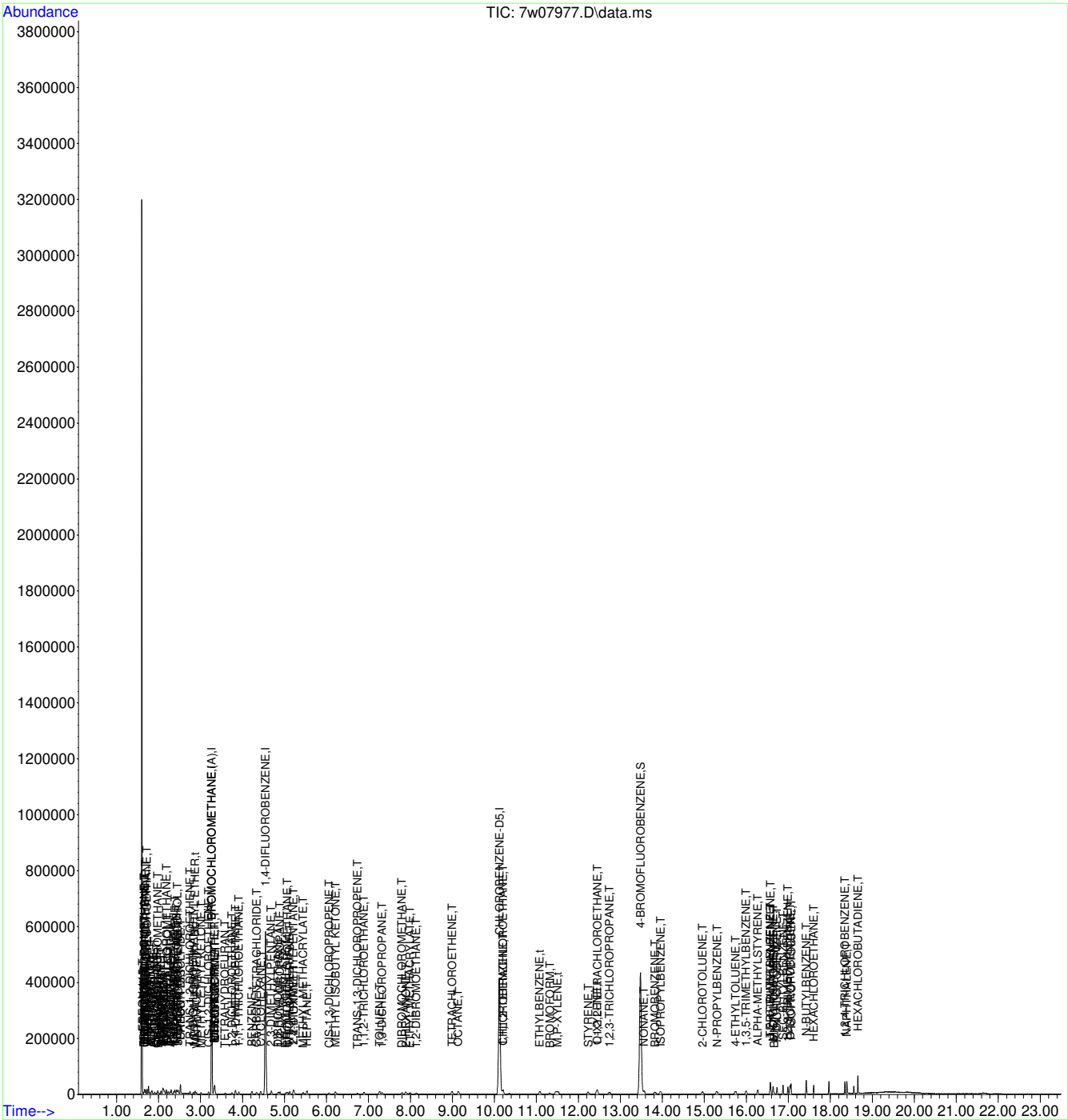
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration



Manual Integration Approval Summary

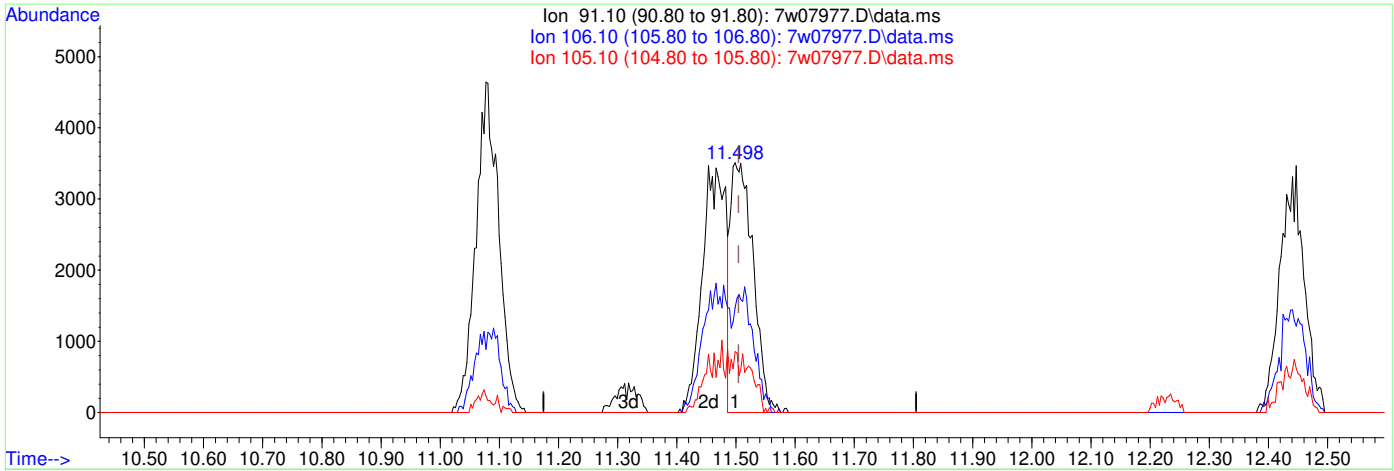
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07977.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/18/24 22:49	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

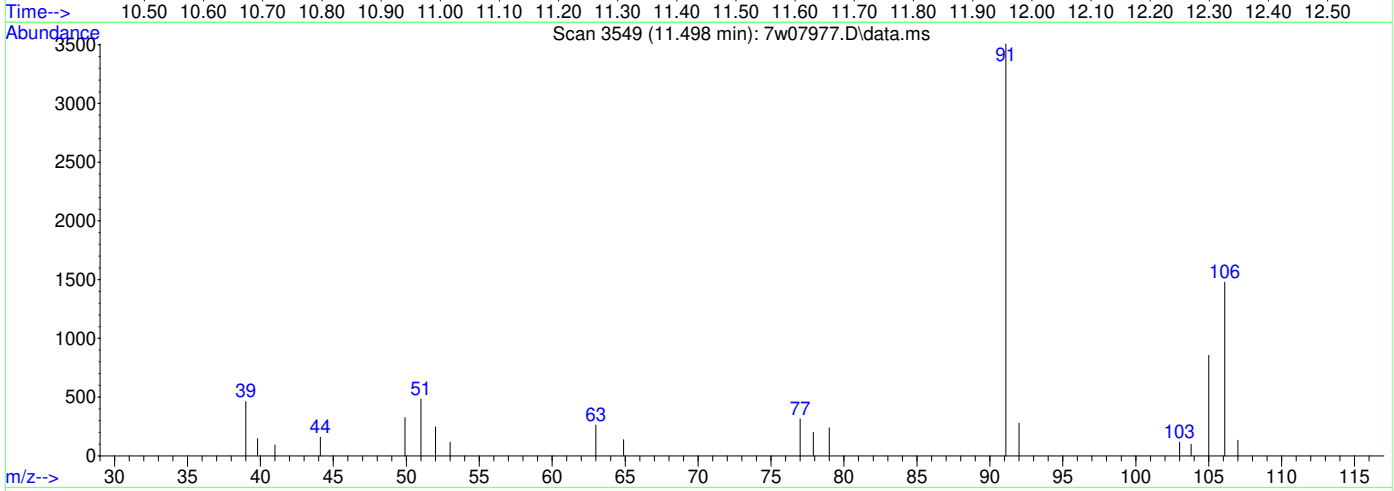
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.50	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration





TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.22PPBV

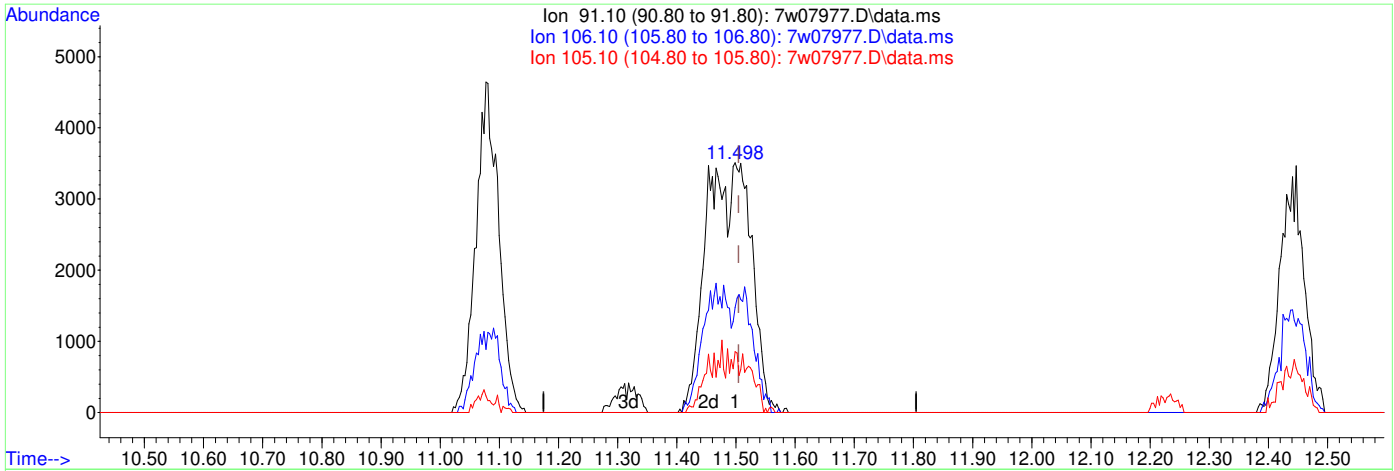
response 9375

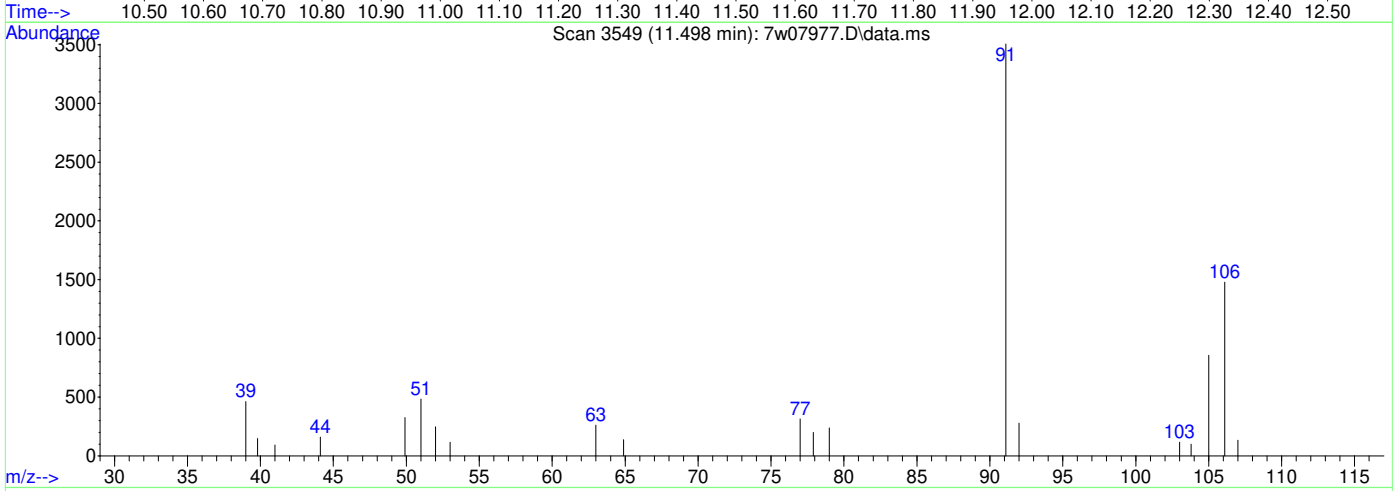
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	41.98
105.10	11.30	13.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration





TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.43PPBV m

response 18766

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	20.97
105.10	11.30	6.70
0.00	0.00	0.00

7.7.14.3

7

7W07977.D edits: M,P-XYLENE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	79966	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	410941	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	362110	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	79966	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	262037	9.71	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	5861	0.54	PPBV		96
3) FREON 152A	1.644	65	3003	0.50	PPBV		95
4) CHLORODIFLUOROMETHANE	1.656	67	1485	0.58	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.669	116	6805	0.55	PPBV		92
6) DICHLORODIFLUOROMETHANE	1.685	85	16795	0.46	PPBV		99
7) PROPYLENE	1.666	41	3977	0.50	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	14549	0.46	PPBV		96
9) FREON 114	1.759	85	15134	0.48	PPBV		99
10) CHLOROMETHANE	1.730	52	2035	0.41	PPBV		95
11) VINYL CHLORIDE	1.792	62	6673	0.44	PPBV		99
12) 1,3-BUTADIENE	1.830	54	5500	0.43	PPBV		95
13) N-BUTANE	1.846	43	10568	0.42	PPBV	#	90
14) BROMOMETHANE	1.907	94	5484	0.48	PPBV		99
15) CHLOROETHANE	1.956	64	3547	0.44	PPBV		94
16) DICHLOROFLUOROMETHANE	1.981	67	13608	0.47	PPBV		99
17) ACETONITRILE	2.052	41	6551	0.44	PPBV		92
18) ACROLEIN	2.094	56	3046	0.40	PPBV		95
19) FREON 123	2.103	83	13299	0.42	PPBV		99
20) FREON 123A	2.119	117	8058	0.46	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.184	101	15424	0.46	PPBV		99
22) ISOPROPYL ALCOHOL	2.226	45	14044	0.37	PPBV		99
23) ACETONE	2.139	58	4080	0.40	PPBV		97
24) PENTANE	2.303	42	7472	0.39	PPBV		98
25) IODOMETHANE	2.361	142	13827	0.46	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.390	96	5730	0.43	PPBV		97
27) CARBON DISULFIDE	2.525	76	16067	0.43	PPBV	#	66
28) ETHANOL	1.994	45	4627	0.45	PPBV	#	97
29) BROMOETHENE	2.058	106	5247	0.44	PPBV		96
30) ACRYLONITRILE	2.274	52	5669	0.41	PPBV		94
31) METHYLENE CHLORIDE	2.425	84	5894	0.48	PPBV		95
32) 3-CHLOROPROPENE	2.470	76	2755	0.38	PPBV	#	37
33) FREON 113	2.521	151	8992	0.46	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.753	96	5687	0.48	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.444	59	13081	0.39	PPBV	#	64
36) METHYL TERTIARY BUTYL ...	2.872	73	13772	0.51	PPBV		95
37) TETRAHYDROFURAN	3.576	72	2595	0.57	PPBV		96
38) HEXANE	3.319	57	10976	0.50	PPBV		98
39) VINYL ACETATE	2.898	86	1009	0.43	PPBV	#	29
40) 1,1-DICHLOROETHANE	2.827	63	10432	0.51	PPBV		100
41) METHYL ETHYL KETONE	3.010	72	2909	0.56	PPBV		96
42) CIS-1,2-DICHLOROETHENE	3.190	96	6101	0.59	PPBV		93
43) DIISOPROPYL ETHER	3.338	59	3049	0.51	PPBV		98
44) ETHYL ACETATE	3.341	61	2059	0.51	PPBV		90
45) METHYL ACRYLATE	3.322	55	12344	0.48	PPBV		97
46) CHLOROFORM	3.341	83	12161	0.57	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.833	57	12901	0.55	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.910	97	10591	0.52	PPBV		98
49) CARBON TETRACHLORIDE	4.335	117	10121	0.53	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.746	62	9567	0.57	PPBV		98
51)	BENZENE	4.219	78	17995	0.55	PPBV		99
53)	CYCLOHEXANE	4.431	84	7811	0.56	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.685	71	4068	0.57	PPBV		100
55)	TRICHLOROETHENE	5.119	95	8046	0.54	PPBV		98
56)	1,2-DICHLOROPROPANE	4.888	63	7243	0.52	PPBV		98
57)	DIBROMOMETHANE	4.849	174	6875	0.51	PPBV		98
58)	ETHYL ACRYLATE	5.023	55	14562	0.49	PPBV		99
59)	BROMODICHLOROMETHANE	5.068	83	11794	0.51	PPBV		91
60)	2,2,4-TRIMETHYLPENTANE	5.213	57	35817	0.52	PPBV		99
61)	1,4-DIOXANE	5.209	88	5137	0.55	PPBV	#	6
62)	HEPTANE	5.534	43	12581	0.52	PPBV		99
63)	METHYL METHACRYLATE	5.441	69	6275	0.51	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.196	58	7744	0.52	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	8234	0.44	PPBV		96
66)	TOLUENE	7.261	91	22485	0.55	PPBV		100
67)	1,3-DICHLOROPROPANE	7.322	76	11161	0.55	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.743	75	5585	0.36	PPBV		94
69)	1,1,2-TRICHLOROETHANE	6.894	83	6324	0.55	PPBV		99
70)	2-HEXANONE	7.878	58	12049	0.43	PPBV		98
71)	ETHYL METHACRYLATE	7.981	69	9663	0.47	PPBV		95
72)	TETRACHLOROETHENE	8.997	164	7989	0.51	PPBV		98
73)	DIBROMOCHLOROMETHANE	7.795	129	10588	0.54	PPBV		98
74)	1,2-DIBROMOETHANE	8.132	107	10784	0.55	PPBV	#	100
75)	OCTANE	9.139	43	17732	0.53	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.203	131	7115	0.46	PPBV		99
78)	CHLOROBENZENE	10.200	112	18568	0.58	PPBV		97
79)	ETHYLBENZENE	11.081	91	30468	0.51	PPBV		99
80)	M,P-XYLENE	11.508	91	46842m	1.05	PPBV		
81)	O-XYLENE	12.444	91	23828	0.59	PPBV		94
82)	STYRENE	12.225	104	17160	0.60	PPBV		99
83)	NONANE	13.560	43	19013	0.55	PPBV		98
84)	BROMOFORM	11.315	173	9340	0.52	PPBV		97
85)	1,1,2,2-TETRACHLOROETHANE	12.450	83	16754	0.57	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.736	75	13531	0.60	PPBV	#	99
88)	ISOPROPYLBENZENE	13.945	120	8698	0.54	PPBV		96
89)	BROMOBENZENE	13.820	77	17048	0.58	PPBV		97
90)	2-CHLOROTOLUENE	14.955	126	8051	0.55	PPBV		99
91)	N-PROPYLBENZENE	15.302	120	9156	0.58	PPBV		100
92)	4-ETHYLTOLUENE	15.746	105	32633	0.53	PPBV	#	97
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	27233	0.51	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.267	118	13680	0.52	PPBV		96
95)	TERT-BUTYLBENZENE	16.569	134	6648	0.48	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	28271	0.50	PPBV		98
97)	BENZYL CHLORIDE	16.666	91	6446	0.26	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	18160	0.52	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	18687	0.53	PPBV		99
100)	O-DICHLOROBENZENE	17.042	146	17767	0.53	PPBV		99
101)	SEC-BUTYLBENZENE	16.875	134	8265	0.51	PPBV		95
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	27828	0.52	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.064	134	8738	0.50	PPBV		97
104)	N-BUTYLBENZENE	17.424	134	8723	0.53	PPBV		100
105)	HEXACHLOROETHANE	17.604	117	6412	0.37	PPBV		99
106)	HEXACHLOROBUTADIENE	18.659	225	12496	0.54	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	16068	0.91	PPBV		98
108)	NAPHTHALENE	18.395	128	47796	1.26	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	40854	0.48	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

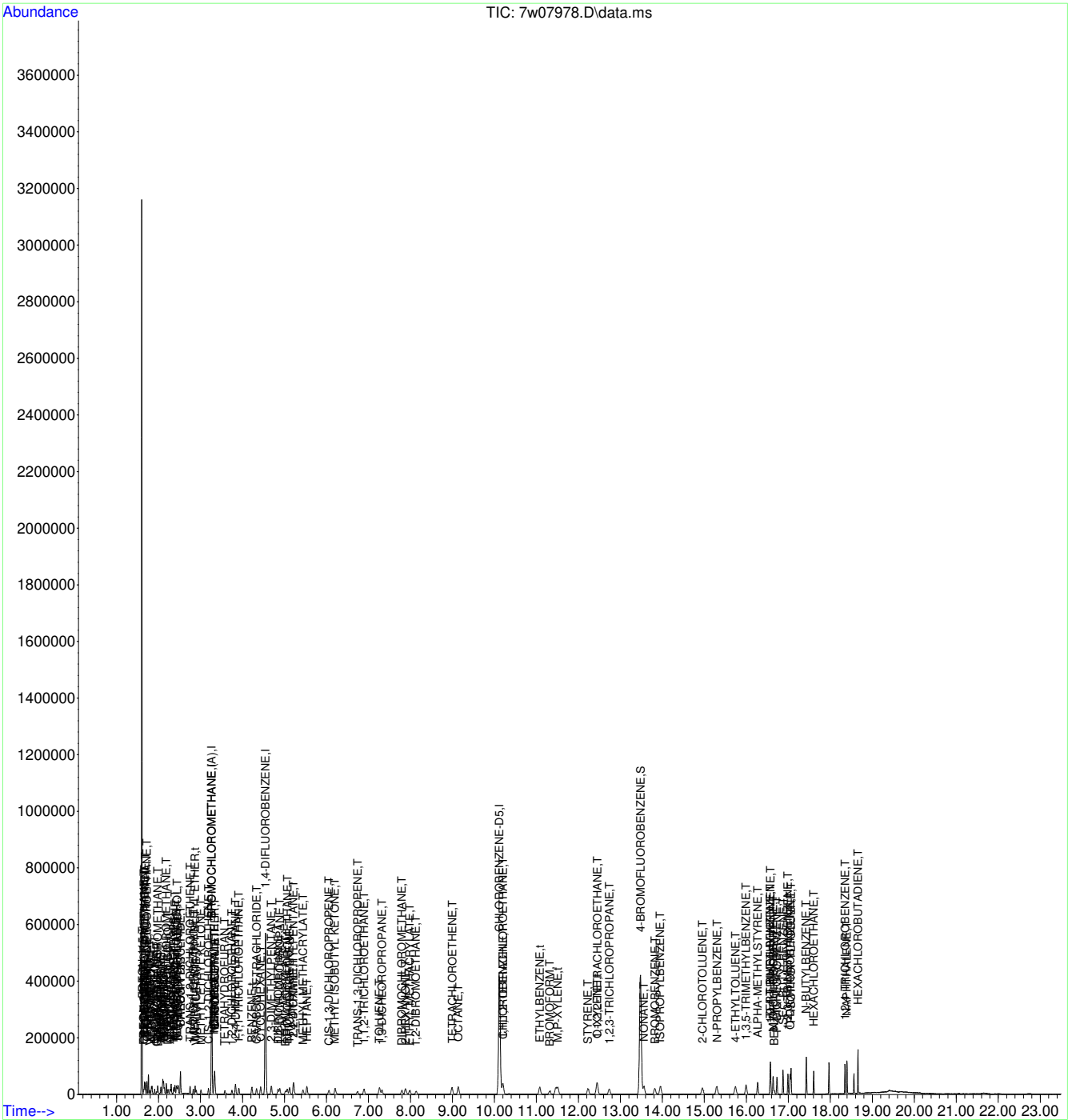
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

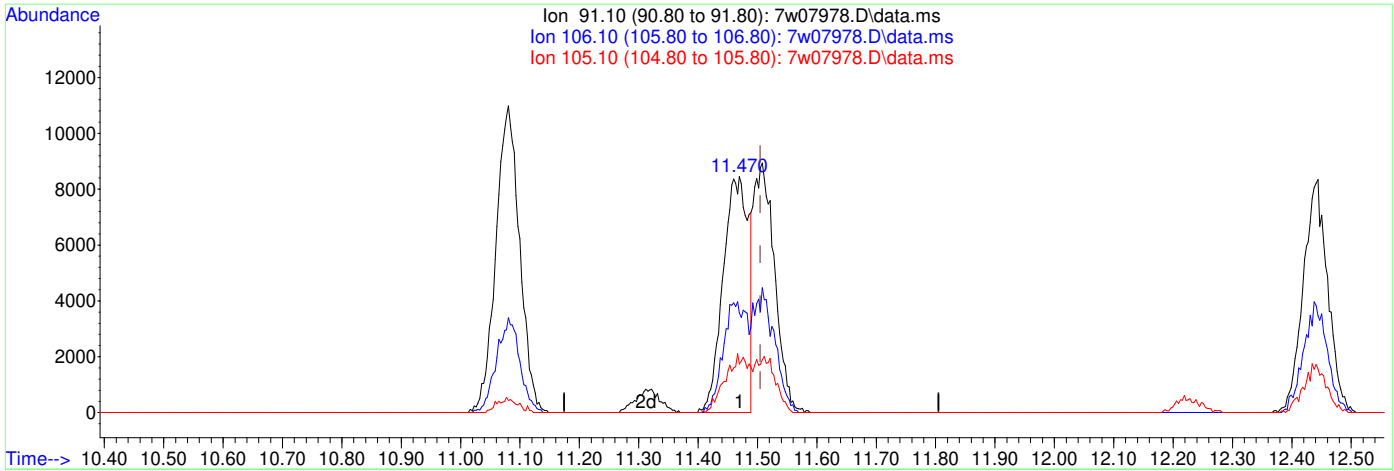
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07978.D	**Analyst approved:**	08/19/24 10:01 Benjamin Kim
Injection Time:	08/18/24 23:22	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

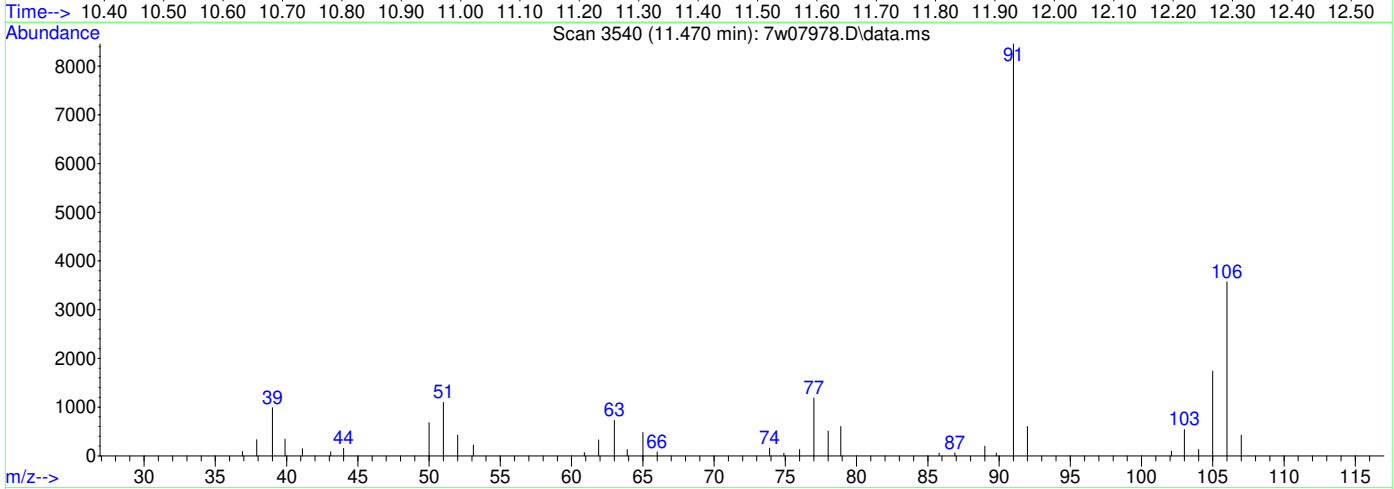
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.51	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration





TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.470min (-0.035) 0.56PPBV

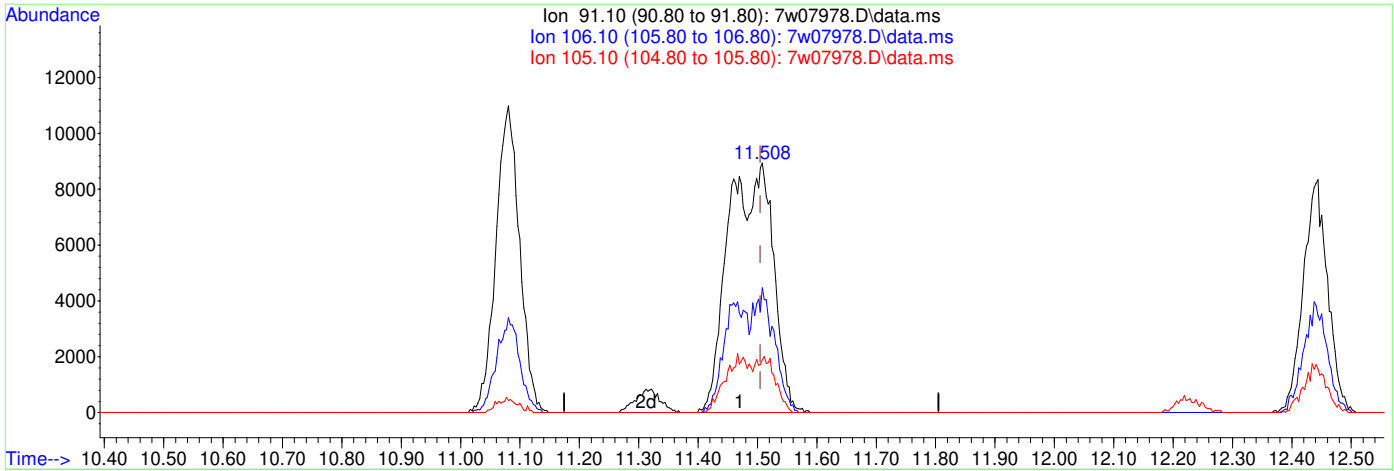
response 25047

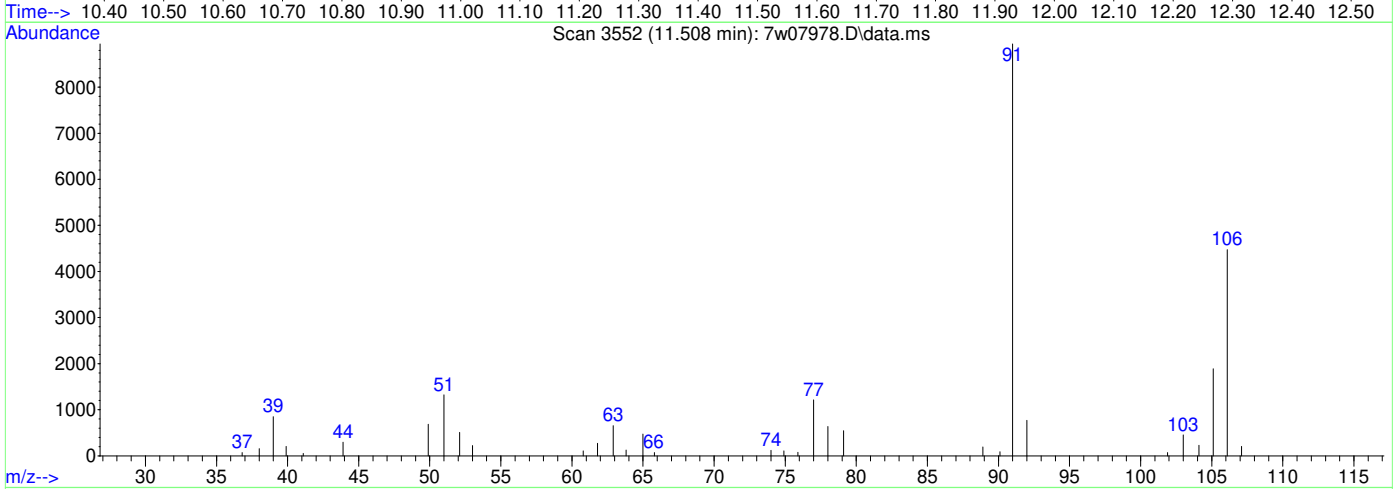
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	46.05
105.10	11.30	22.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration





TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.508min (+0.003) 1.05PPBV m

response 46842

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	24.63
105.10	11.30	12.07
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	81466	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	410025	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	361102	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	81464	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	265954	9.38	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	27379	2.27	PPBV		97
3) FREON 152A	1.647	65	29000	4.67	PPBV		99
4) CHLORODIFLUOROMETHANE	1.659	67	13506	5.10	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.672	116	64600	5.12	PPBV		85
6) DICHLORODIFLUOROMETHANE	1.688	85	169247	4.50	PPBV		98
7) PROPYLENE	1.669	41	38377	4.63	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	140419	4.23	PPBV		96
9) FREON 114	1.762	85	149365	4.52	PPBV		98
10) CHLOROMETHANE	1.733	52	19771	3.76	PPBV		100
11) VINYL CHLORIDE	1.795	62	65999	4.14	PPBV		99
12) 1,3-BUTADIENE	1.833	54	54080	3.99	PPBV		98
13) N-BUTANE	1.849	43	100820	3.83	PPBV		98
14) BROMOMETHANE	1.910	94	51811	4.31	PPBV		99
15) CHLOROETHANE	1.958	64	34723	4.05	PPBV		92
16) DICHLOROFLUOROMETHANE	1.984	67	132874	4.38	PPBV		98
17) ACETONITRILE	2.055	41	57811	3.60	PPBV		100
18) ACROLEIN	2.094	56	31088	3.87	PPBV		99
19) FREON 123	2.106	83	133098	3.98	PPBV		99
20) FREON 123A	2.122	117	80453	4.36	PPBV		93
21) TRICHLOROFLUOROMETHANE	2.187	101	152287	4.27	PPBV		99
22) ISOPROPYL ALCOHOL	2.219	45	129156	3.14	PPBV		99
23) ACETONE	2.135	58	35696	3.28	PPBV		100
24) PENTANE	2.303	42	71675	3.46	PPBV		97
25) IODOMETHANE	2.364	142	138967	4.41	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.393	96	56736	4.02	PPBV		90
27) CARBON DISULFIDE	2.524	76	164494	4.33	PPBV		99
28) ETHANOL	1.994	45	36651	3.31	PPBV		97
29) BROMOETHENE	2.061	106	51262	4.10	PPBV		99
30) ACRYLONITRILE	2.277	52	52972	3.56	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	51833	3.97	PPBV		86
32) 3-CHLOROPROPENE	2.470	76	28290	3.74	PPBV		84
33) FREON 113	2.524	151	89281	4.48	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	52868	4.38	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.431	59	116326	3.23	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.868	73	136515	4.93	PPBV		100
37) TETRAHYDROFURAN	3.563	72	27131	5.79	PPBV		90
38) HEXANE	3.319	57	108490	4.76	PPBV		99
39) VINYL ACETATE	2.901	86	11696	4.81	PPBV		88
40) 1,1-DICHLOROETHANE	2.830	63	102265	4.89	PPBV		99
41) METHYL ETHYL KETONE	3.000	72	28364	5.37	PPBV		82
42) CIS-1,2-DICHLOROETHENE	3.190	96	57628	5.43	PPBV		95
43) DIISOPROPYL ETHER	3.328	59	30846	4.96	PPBV		96
44) ETHYL ACETATE	3.331	61	21833	5.20	PPBV		90
45) METHYL ACRYLATE	3.319	55	128213	4.81	PPBV	#	100
46) CHLOROFORM	3.341	83	118312	5.38	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.833	57	123753	5.06	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.913	97	103061	4.93	PPBV		99
49) CARBON TETRACHLORIDE	4.338	117	104096	5.26	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	90936	5.26	PPBV		99
51)	BENZENE	4.225	78	171826	5.13	PPBV		96
53)	CYCLOHEXANE	4.434	84	75178	5.37	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.688	71	39970	5.61	PPBV		86
55)	TRICHLOROETHENE	5.119	95	78664	5.28	PPBV		99
56)	1,2-DICHLOROPROPANE	4.888	63	70308	4.98	PPBV		97
57)	DIBROMOMETHANE	4.849	174	65118	4.79	PPBV		99
58)	ETHYL ACRYLATE	5.013	55	152697	5.12	PPBV		100
59)	BROMODICHLOROMETHANE	5.068	83	124366	5.39	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	349151	5.05	PPBV		98
61)	1,4-DIOXANE	5.164	88	45840	4.97	PPBV	#	83
62)	HEPTANE	5.534	43	121341	4.96	PPBV		97
63)	METHYL METHACRYLATE	5.434	69	65132	5.30	PPBV		92
64)	METHYL ISOBUTYL KETONE	6.183	58	74156	4.92	PPBV		95
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	91819	4.90	PPBV		98
66)	TOLUENE	7.264	91	218857	5.36	PPBV		99
67)	1,3-DICHLOROPROPANE	7.322	76	110082	5.46	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.733	75	66745	4.27	PPBV		99
69)	1,1,2-TRICHLOROETHANE	6.894	83	62252	5.39	PPBV		98
70)	2-HEXANONE	7.855	58	112276	4.02	PPBV		97
71)	ETHYL METHACRYLATE	7.974	69	105592	5.14	PPBV		94
72)	TETRACHLOROETHENE	8.990	164	77784	4.95	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.794	129	118229	5.98	PPBV		99
74)	1,2-DIBROMOETHANE	8.138	107	111886	5.67	PPBV		99
75)	OCTANE	9.142	43	173169	5.12	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	10.206	131	78566	5.10	PPBV		98
78)	CHLOROBENZENE	10.196	112	183185	5.81	PPBV		99
79)	ETHYLBENZENE	11.080	91	299317	4.99	PPBV		100
80)	M,P-XYLENE	11.505	91	464302	10.48	PPBV		99
81)	O-XYLENE	12.437	91	236267	5.90	PPBV		97
82)	STYRENE	12.228	104	177117	6.24	PPBV		99
83)	NONANE	13.563	43	187166	5.08	PPBV		97
84)	BROMOFORM	11.315	173	101100	5.63	PPBV		97
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	172204	5.90	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.736	75	133990	6.07	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	89542	5.64	PPBV		98
89)	BROMOBENZENE	13.823	77	164898	5.71	PPBV		96
90)	2-CHLOROTOLUENE	14.952	126	80136	5.58	PPBV		100
91)	N-PROPYLBENZENE	15.296	120	93644	5.99	PPBV		100
92)	4-ETHYLTOLUENE	15.739	105	338018	5.58	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	282963	5.41	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	143668	5.58	PPBV		100
95)	TERT-BUTYLBENZENE	16.569	134	67157	4.95	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	296095	5.30	PPBV		99
97)	BENZYL CHLORIDE	16.669	91	79381m	3.20	PPBV		
98)	M-DICHLOROBENZENE	16.640	146	187655	5.45	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	191562	5.55	PPBV		99
100)	O-DICHLOROBENZENE	17.045	146	181198	5.52	PPBV		99
101)	SEC-BUTYLBENZENE	16.874	134	84088	5.29	PPBV		93
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	287527	5.46	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	92888	5.44	PPBV		95
104)	N-BUTYLBENZENE	17.424	134	93747	5.91	PPBV		98
105)	HEXACHLOROETHANE	17.604	117	82010	4.77	PPBV		96
106)	HEXACHLOROBUTADIENE	18.662	225	132649	5.96	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.350	180	178283	11.97	PPBV		99
108)	NAPHTHALENE	18.398	128	477399	16.43	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	356727	3.90	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

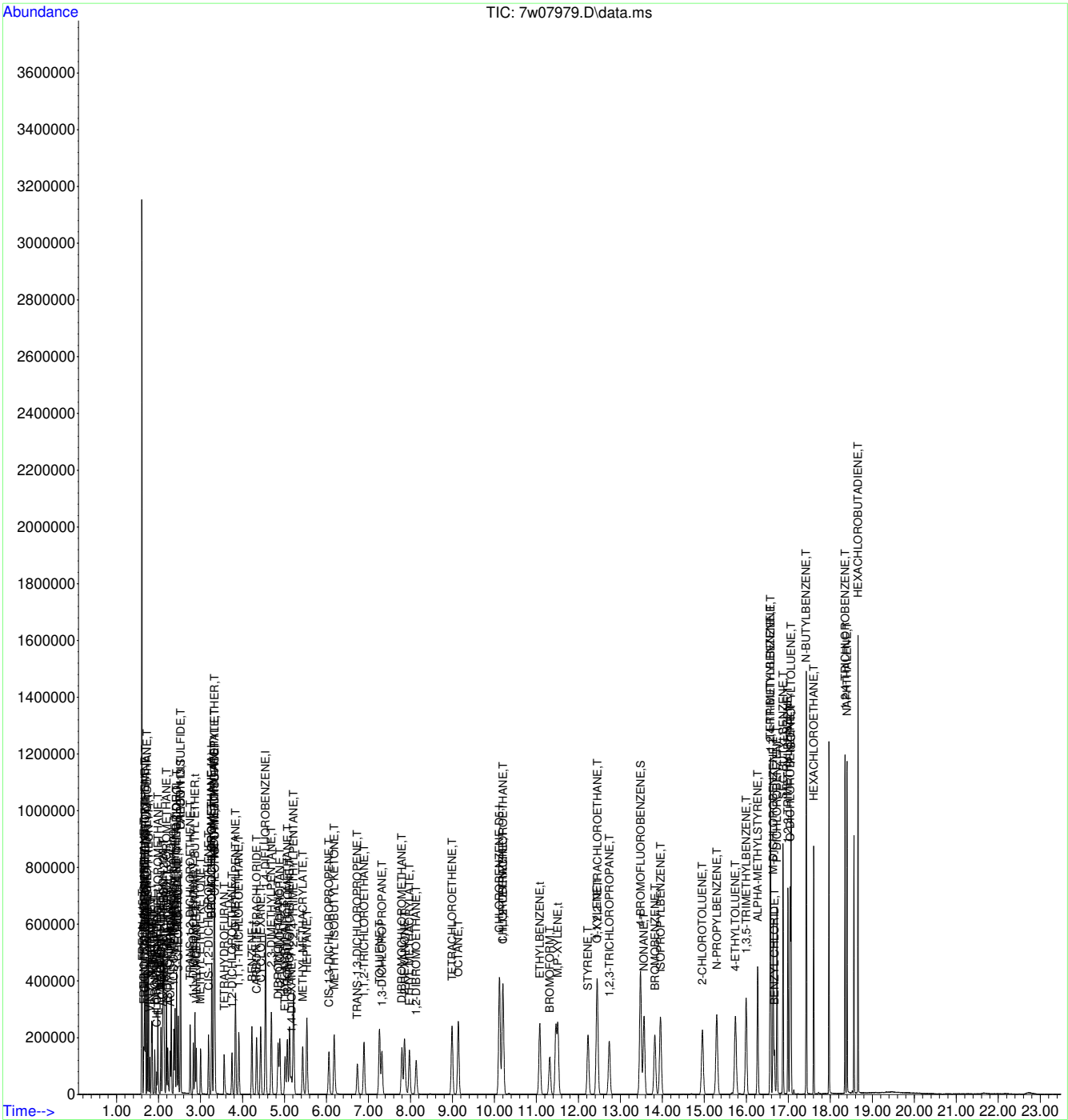
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration



Manual Integration Approval Summary

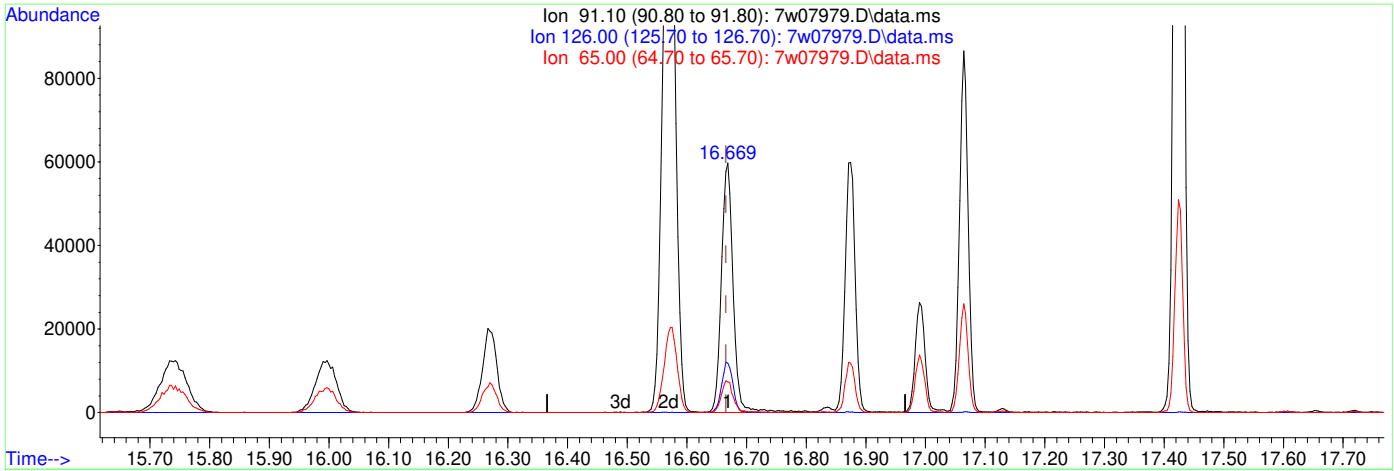
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07979.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/19/24 00:01	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

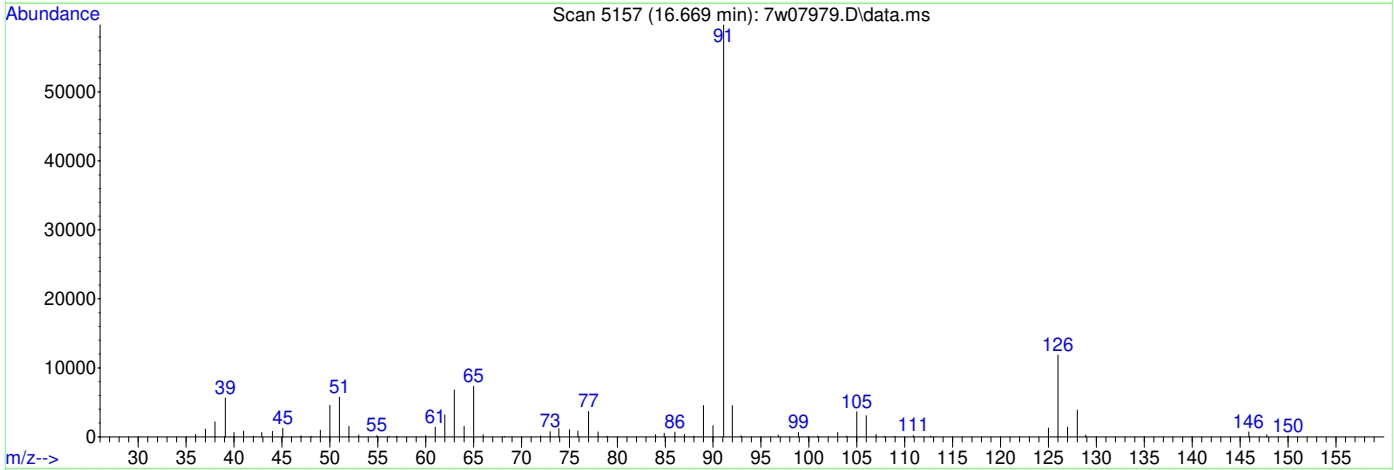
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration





TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.29PPBV

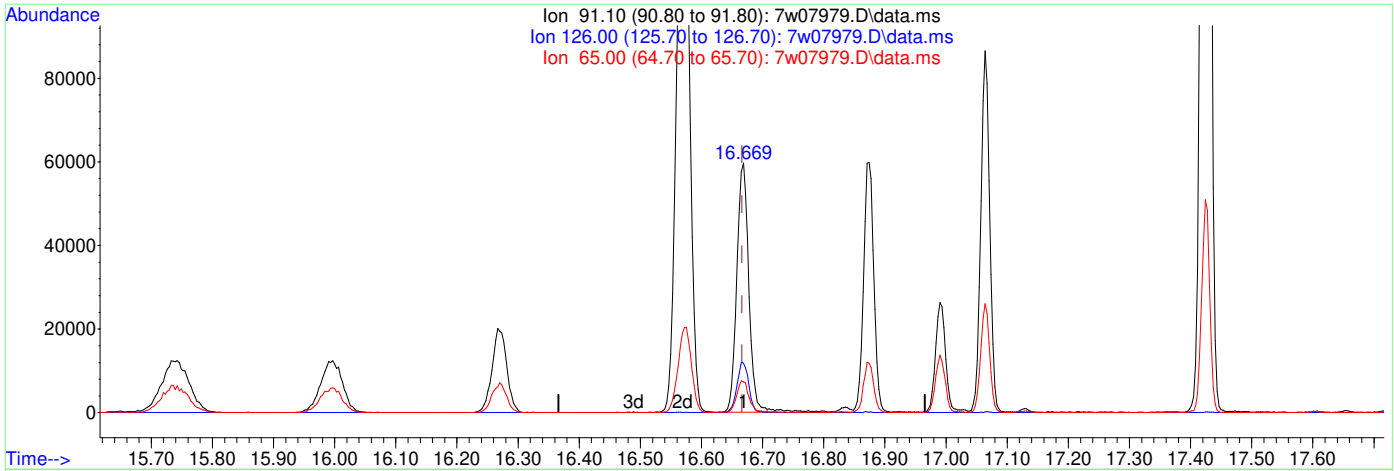
response 81628

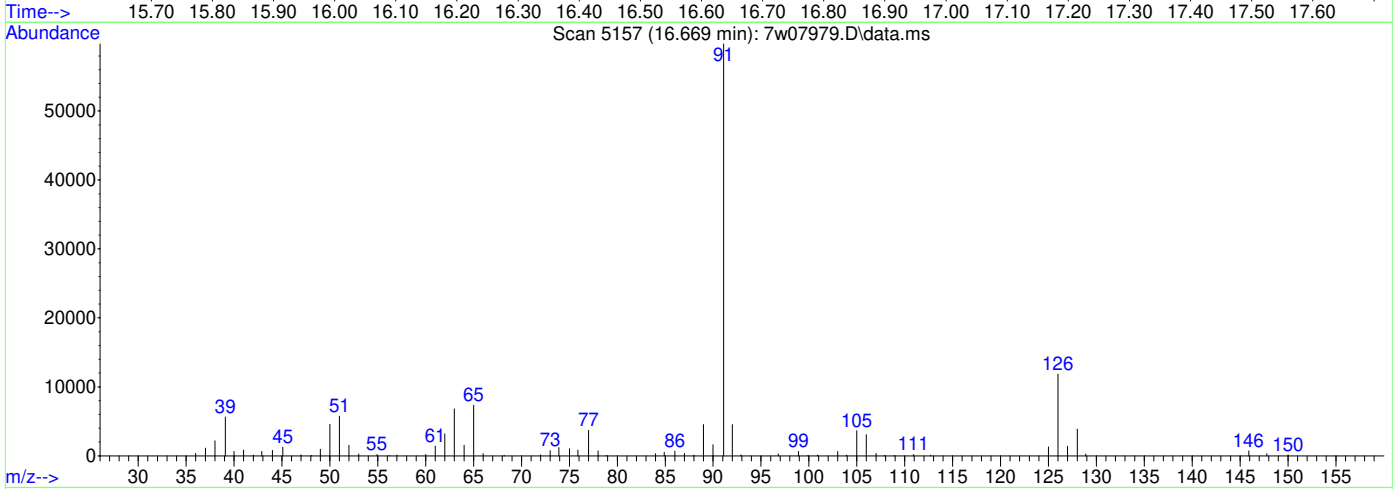
Ion	Exp%	Act%
91.10	100	100
126.00	19.10	19.59
65.00	13.00	13.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration





TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.20PPBV m

response 79381

Ion	Exp%	Act%
91.10	100	100
126.00	19.10	20.14
65.00	13.00	13.87
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	76492	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	388370	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	349697	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	76492	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	254020	9.80	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	116757	11.94	PPBV		98
3) FREON 152A	1.647	65	56656	10.57	PPBV		97
4) CHLORODIFLUOROMETHANE	1.660	67	27361	10.93	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	128761	10.75	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.689	85	335263	10.56	PPBV		99
7) PROPYLENE	1.669	41	75194	10.04	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	279768	10.38	PPBV		99
9) FREON 114	1.759	85	296122	10.76	PPBV		99
10) CHLOROMETHANE	1.730	52	38843	9.29	PPBV		98
11) VINYL CHLORIDE	1.791	62	127043	9.96	PPBV		99
12) 1,3-BUTADIENE	1.833	54	107031	9.85	PPBV		99
13) N-BUTANE	1.846	43	198675	10.27	PPBV		99
14) BROMOMETHANE	1.907	94	101510	10.31	PPBV		99
15) CHLOROETHANE	1.955	64	66775	10.09	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	261438	10.74	PPBV		100
17) ACETONITRILE	2.052	41	110740	8.07	PPBV		99
18) ACROLEIN	2.090	56	61192	10.52	PPBV		100
19) FREON 123	2.103	83	262246	9.89	PPBV		100
20) FREON 123A	2.123	117	158704	10.72	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	302114	10.62	PPBV		99
22) ISOPROPYL ALCOHOL	2.213	45	263534	8.69	PPBV		99
23) ACETONE	2.132	58	66233	6.38	PPBV		97
24) PENTANE	2.303	42	137367	8.83	PPBV		99
25) IODOMETHANE	2.364	142	273231	10.68	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	111237	9.93	PPBV		99
27) CARBON DISULFIDE	2.525	76	326093	10.12	PPBV		99
28) ETHANOL	1.991	45	67325	6.93	PPBV		98
29) BROMOETHENE	2.058	106	102347	10.02	PPBV		100
30) ACRYLONITRILE	2.274	52	98220	8.85	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	101961	8.72	PPBV		99
32) 3-CHLOROPROPENE	2.470	76	56199	10.18	PPBV		97
33) FREON 113	2.525	151	175840	10.42	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	105154	9.70	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.418	59	256208	9.59	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.865	73	273836	10.96	PPBV		100
37) TETRAHYDROFURAN	3.557	72	53518	11.75	PPBV		98
38) HEXANE	3.319	57	216582	10.11	PPBV		100
39) VINYL ACETATE	2.898	86	24166	11.82	PPBV		94
40) 1,1-DICHLOROETHANE	2.827	63	200586	10.56	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	55843	11.44	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.190	96	113715	11.11	PPBV		100
43) DIISOPROPYL ETHER	3.325	59	61463	10.90	PPBV		100
44) ETHYL ACETATE	3.332	61	43829	10.65	PPBV		100
45) METHYL ACRYLATE	3.316	55	258959	10.92	PPBV	#	26
46) CHLOROFORM	3.341	83	237561	11.15	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.833	57	244103	11.02	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.914	97	211578	10.86	PPBV		98
49) CARBON TETRACHLORIDE	4.335	117	214927	11.14	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.750	62	178327	11.01 PPBV		100
51) BENZENE	4.225	78	336400	10.79 PPBV		100
53) CYCLOHEXANE	4.431	84	147216	10.89 PPBV		98
54) 2,3-DIMETHYLPENTANE	4.688	71	78137	11.46 PPBV		99
55) TRICHLOROETHENE	5.122	95	154777	10.77 PPBV		100
56) 1,2-DICHLOROPROPANE	4.888	63	141313	10.87 PPBV		99
57) DIBROMOMETHANE	4.846	174	127868	10.56 PPBV		100
58) ETHYL ACRYLATE	5.010	55	310645	10.93 PPBV		100
59) BROMODICHLOROMETHANE	5.068	83	251956	11.60 PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.216	57	676160	10.55 PPBV		99
61) 1,4-DIOXANE	5.151	88	83819	11.15 PPBV	#	96
62) HEPTANE	5.534	43	238681	10.47 PPBV		100
63) METHYL METHACRYLATE	5.431	69	129938	10.97 PPBV		98
64) METHYL ISOBUTYL KETONE	6.177	58	138927	9.69 PPBV		99
65) CIS-1,3-DICHLOROPROPENE	6.058	75	192427	11.23 PPBV		99
66) TOLUENE	7.264	91	436862	11.04 PPBV		99
67) 1,3-DICHLOROPROPANE	7.322	76	219919	11.36 PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.737	75	146931	10.87 PPBV		99
69) 1,1,2-TRICHLOROETHANE	6.894	83	123244	11.28 PPBV		100
70) 2-HEXANONE	7.852	58	202098	9.26 PPBV		100
71) ETHYL METHACRYLATE	7.974	69	213857	11.04 PPBV		99
72) TETRACHLOROETHENE	8.994	164	152491	10.19 PPBV		99
73) DIBROMOCHLOROMETHANE	7.798	129	244347	12.50 PPBV		99
74) 1,2-DIBROMOETHANE	8.138	107	227562	11.69 PPBV		99
75) OCTANE	9.142	43	342794	10.17 PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	10.206	131	167229	11.49 PPBV		98
78) CHLOROBENZENE	10.199	112	365525	11.34 PPBV		99
79) ETHYLBENZENE	11.084	91	596122	10.36 PPBV		100
80) M,P-XYLENE	11.511	91	932252	26.23 PPBV		98
81) O-XYLENE	12.441	91	476187	11.13 PPBV		95
82) STYRENE	12.228	104	355912	11.49 PPBV		99
83) NONANE	13.566	43	372829	10.90 PPBV		100
84) BROMOFORM	11.318	173	218043	12.08 PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	12.457	83	345869	11.55 PPBV		100
86) 1,2,3-TRICHLOROPROPANE	12.740	75	269044	11.72 PPBV		100
88) ISOPROPYLBENZENE	13.958	120	177926	10.94 PPBV		99
89) BROMOBENZENE	13.823	77	331670	11.30 PPBV		99
90) 2-CHLOROTOLUENE	14.955	126	160785	10.94 PPBV		99
91) N-PROPYLBENZENE	15.296	120	187111	11.29 PPBV		99
92) 4-ETHYLTOLUENE	15.743	105	683113	11.85 PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.997	105	568889	10.83 PPBV		100
94) ALPHA-METHYLSTYRENE	16.273	118	292834	10.97 PPBV		99
95) TERT-BUTYLBENZENE	16.569	134	135050	10.31 PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.579	105	603037	10.60 PPBV		100
97) BENZYL CHLORIDE	16.669	91	206043m	8.98 PPBV		
98) M-DICHLOROBENZENE	16.640	146	381391	10.72 PPBV		100
99) P-DICHLOROBENZENE	16.733	146	385546	10.57 PPBV		100
100) O-DICHLOROBENZENE	17.045	146	365233	10.52 PPBV		100
101) SEC-BUTYLBENZENE	16.874	134	172736	10.87 PPBV		98
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	581741	10.62 PPBV		100
103) P-ISOPROPYLTOLUENE	17.064	134	190250	10.87 PPBV		100
104) N-BUTYLBENZENE	17.424	134	192133	11.39 PPBV		99
105) HEXACHLOROETHANE	17.604	117	188986	11.90 PPBV		99
106) HEXACHLOROBUTADIENE	18.656	225	270689	11.05 PPBV		100
107) 1,2,4-TRICHLOROBENZENE	18.347	180	362323	13.11 PPBV		100
108) NAPHTHALENE	18.395	128	919027	12.96 PPBV		100
110) TVHC as equiv Pentane	2.303	TIC	685461	8.17 PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

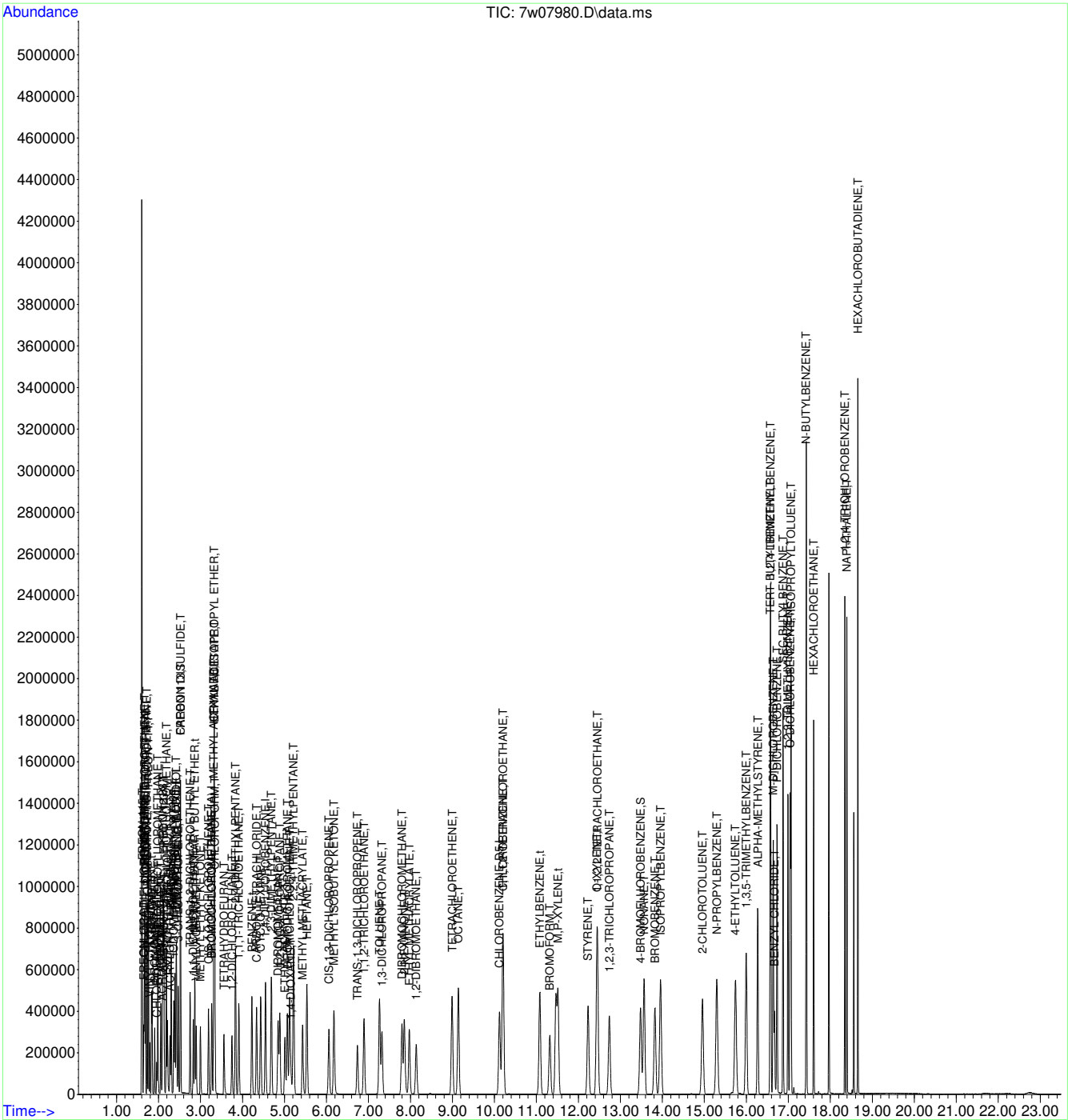
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration



Manual Integration Approval Summary

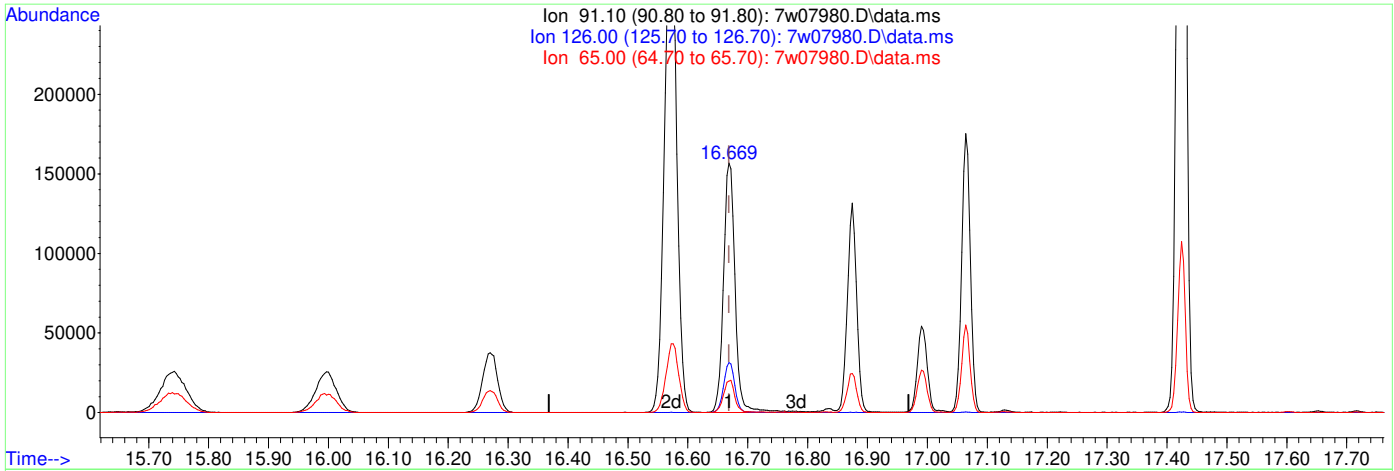
Sample Number:	V7W305-ICC305	**Method:**	TO-15
Lab FileID:	7W07980.D	**Analyst approved:**	08/19/24 12:13 Kanya Veerawat
Injection Time:	08/19/24 00:35	**Supervisor approved:**	08/19/24 12:13 Kanya Veerawat

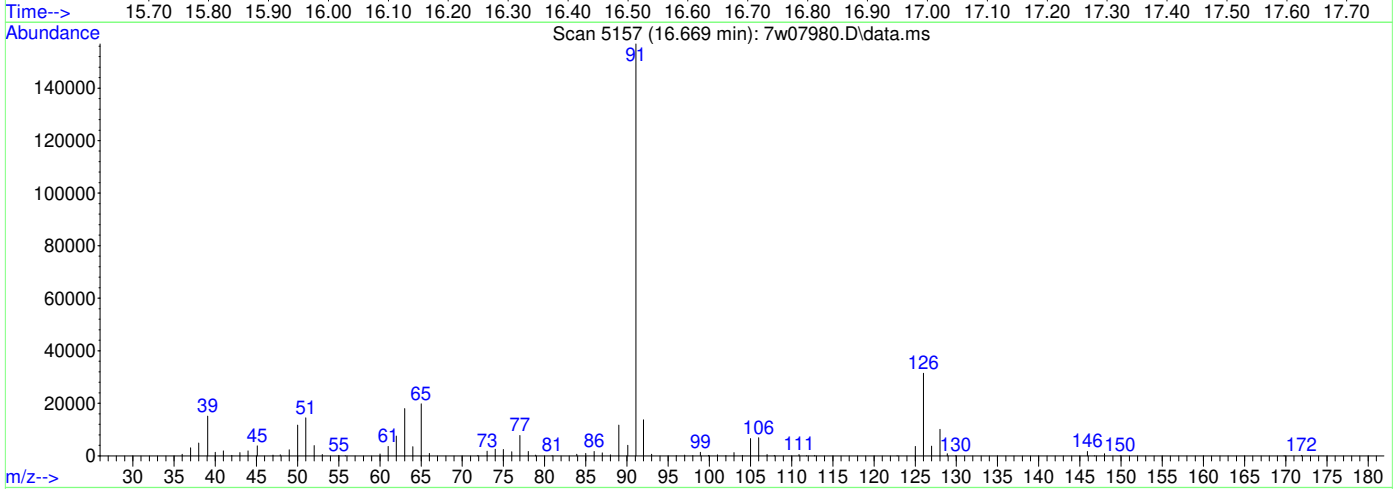
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration





TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 9.14PPBV

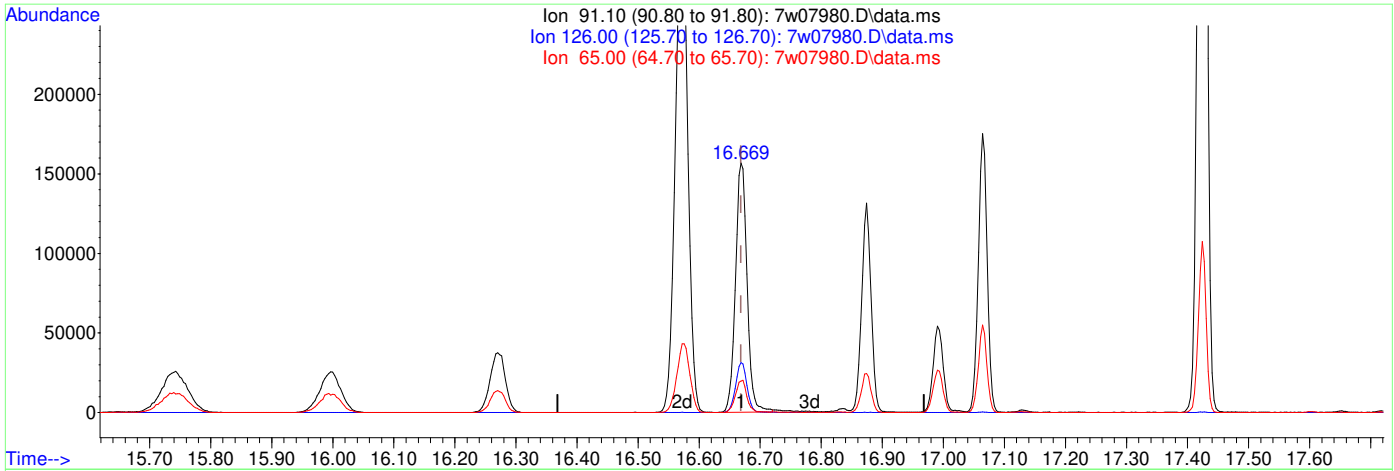
response 209652

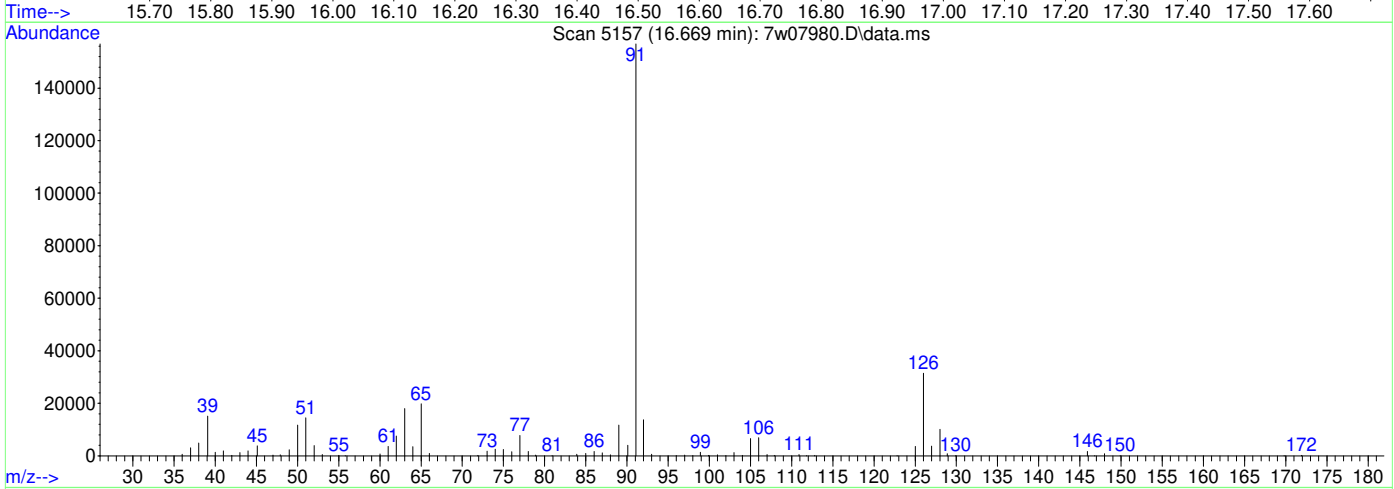
Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.52
65.00	13.50	13.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration





TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 8.98PPBV m

response 206043

Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.87
65.00	13.50	13.30
0.00	0.00	0.00

7W07981.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	78951	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	399337	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	358279	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	78951	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	266903	10.06	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	223150	21.59	PPBV		99
3) FREON 152A	1.647	65	113696	20.51	PPBV		99
4) CHLORODIFLUOROMETHANE	1.660	67	54585	20.96	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	260366	20.90	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.688	85	680605	20.91	PPBV		100
7) PROPYLENE	1.669	41	152928	19.87	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	568833	20.81	PPBV		100
9) FREON 114	1.759	85	605062	21.62	PPBV		100
10) CHLOROMETHANE	1.730	52	78040	18.64	PPBV		98
11) VINYL CHLORIDE	1.791	62	255415	19.85	PPBV		99
12) 1,3-BUTADIENE	1.833	54	213526	19.54	PPBV		99
13) N-BUTANE	1.846	43	396119	20.43	PPBV		100
14) BROMOMETHANE	1.907	94	203898	20.45	PPBV		98
15) CHLOROETHANE	1.955	64	134751	20.22	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	524283	21.39	PPBV		100
17) ACETONITRILE	2.052	41	223496	16.36	PPBV		99
18) ACROLEIN	2.090	56	122465	21.34	PPBV		99
19) FREON 123	2.103	83	531281	19.97	PPBV		100
20) FREON 123A	2.123	117	323136	21.67	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	609713	21.19	PPBV		99
22) ISOPROPYL ALCOHOL	2.209	45	505798	16.79	PPBV		99
23) ACETONE	2.129	58	132986	12.82	PPBV		98
24) PENTANE	2.303	42	275517	17.87	PPBV		100
25) IODOMETHANE	2.364	142	554198	21.34	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.393	96	224620	19.91	PPBV		100
27) CARBON DISULFIDE	2.524	76	672044	20.83	PPBV		98
28) ETHANOL	1.987	45	128753	12.10	PPBV		97
29) BROMOETHENE	2.058	106	208300	20.11	PPBV		99
30) ACRYLONITRILE	2.274	52	196181	17.77	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	204874	17.29	PPBV		97
32) 3-CHLOROPROPENE	2.470	76	113419	20.29	PPBV		94
33) FREON 113	2.524	151	360148	21.14	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	212265	18.95	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.412	59	502012	18.93	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.862	73	565864	21.86	PPBV		99
37) TETRAHYDROFURAN	3.553	72	108661	22.89	PPBV		99
38) HEXANE	3.319	57	447138	20.24	PPBV		100
39) VINYL ACETATE	2.901	86	53174	25.07	PPBV		94
40) 1,1-DICHLOROETHANE	2.830	63	406429	20.70	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	113742	22.35	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.193	96	229111	21.47	PPBV		100
43) DIISOPROPYL ETHER	3.325	59	128654	22.05	PPBV		98
44) ETHYL ACETATE	3.328	61	90518	21.25	PPBV		97
45) METHYL ACRYLATE	3.315	55	541298	22.09	PPBV	#	26
46) CHLOROFORM	3.341	83	481874	21.68	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	493893	21.63	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.913	97	446392	22.10	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	457450	22.82	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	359999	21.41	PPBV		100
51)	BENZENE	4.225	78	686901	21.16	PPBV		100
53)	CYCLOHEXANE	4.434	84	301083	21.52	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.688	71	159069	22.48	PPBV		100
55)	TRICHLOROETHENE	5.122	95	315589	21.12	PPBV		100
56)	1,2-DICHLOROPROPANE	4.891	63	281821	20.99	PPBV		99
57)	DIBROMOMETHANE	4.849	174	258319	20.58	PPBV		100
58)	ETHYL ACRYLATE	5.010	55	648686	22.22	PPBV		100
59)	BROMODICHLOROMETHANE	5.071	83	520746	22.92	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.219	57	1363236	20.68	PPBV		98
61)	1,4-DIOXANE	5.142	88	159662	20.39	PPBV	#	93
62)	HEPTANE	5.534	43	490987	20.96	PPBV		100
63)	METHYL METHACRYLATE	5.431	69	269942	22.03	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.174	58	278412	18.84	PPBV		100
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	416046	23.40	PPBV		98
66)	TOLUENE	7.267	91	894765	21.73	PPBV		99
67)	1,3-DICHLOROPROPANE	7.325	76	454192	22.55	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.736	75	339286	24.33	PPBV		97
69)	1,1,2-TRICHLOROETHANE	6.897	83	252481	22.25	PPBV		99
70)	2-HEXANONE	7.846	58	409335	18.16	PPBV		99
71)	ETHYL METHACRYLATE	7.971	69	456862	22.78	PPBV		99
72)	TETRACHLOROETHENE	8.997	164	312906	20.27	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.801	129	522506	25.25	PPBV		100
74)	1,2-DIBROMOETHANE	8.142	107	469334	23.12	PPBV		100
75)	OCTANE	9.142	43	701989	20.21	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.215	131	358362	23.86	PPBV		98
78)	CHLOROBENZENE	10.203	112	755223	22.52	PPBV		100
79)	ETHYLBENZENE	11.087	91	1235495	20.71	PPBV		100
80)	M,P-XYLENE	11.514	91	1915233	51.64	PPBV		98
81)	O-XYLENE	12.447	91	990163	22.27	PPBV		97
82)	STYRENE	12.235	104	744264	23.04	PPBV		100
83)	NONANE	13.569	43	767362	21.75	PPBV		100
84)	BROMOFORM	11.322	173	476337	25.55	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.460	83	719296	23.01	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.739	75	552619	23.08	PPBV		100
88)	ISOPROPYLBENZENE	13.961	120	370195	21.85	PPBV		99
89)	BROMOBENZENE	13.829	77	689619	22.52	PPBV		99
90)	2-CHLOROTOLUENE	14.961	126	332076	21.66	PPBV		99
91)	N-PROPYLBENZENE	15.299	120	388667	22.47	PPBV		100
92)	4-ETHYLTOLUENE	15.746	105	1411045	23.43	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	1186430	21.61	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.273	118	616609	22.44	PPBV		100
95)	TERT-BUTYLBENZENE	16.572	134	285876	21.66	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.582	105	1283114	22.29	PPBV		99
97)	BENZYL CHLORIDE	16.672	91	586437m	33.00	PPBV		
98)	M-DICHLOROBENZENE	16.643	146	806410	22.21	PPBV		100
99)	P-DICHLOROBENZENE	16.733	146	813706	21.78	PPBV		100
100)	O-DICHLOROBENZENE	17.048	146	781278	21.49	PPBV		99
101)	SEC-BUTYLBENZENE	16.878	134	363104	21.90	PPBV		98
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	1240077	21.66	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.067	134	399174	21.83	PPBV		100
104)	N-BUTYLBENZENE	17.427	134	407447	22.96	PPBV		98
105)	HEXACHLOROETHANE	17.604	117	446077	27.20	PPBV		99
106)	HEXACHLOROBUTADIENE	18.659	225	601439	23.20	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	799662	26.27	PPBV		99
108)	NAPHTHALENE	18.395	128	2024654	23.88	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	1370798	16.29	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

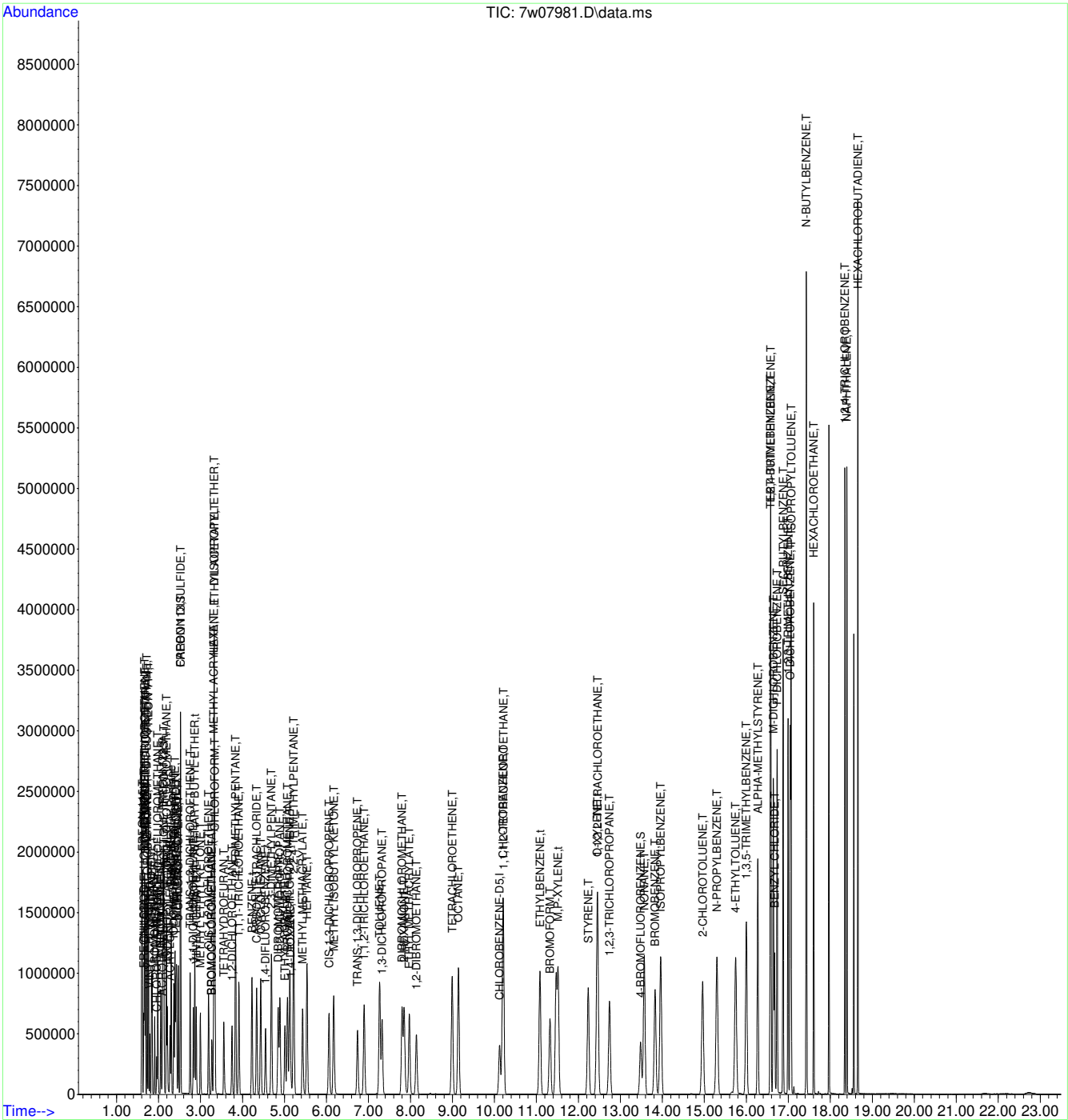
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration



Manual Integration Approval Summary

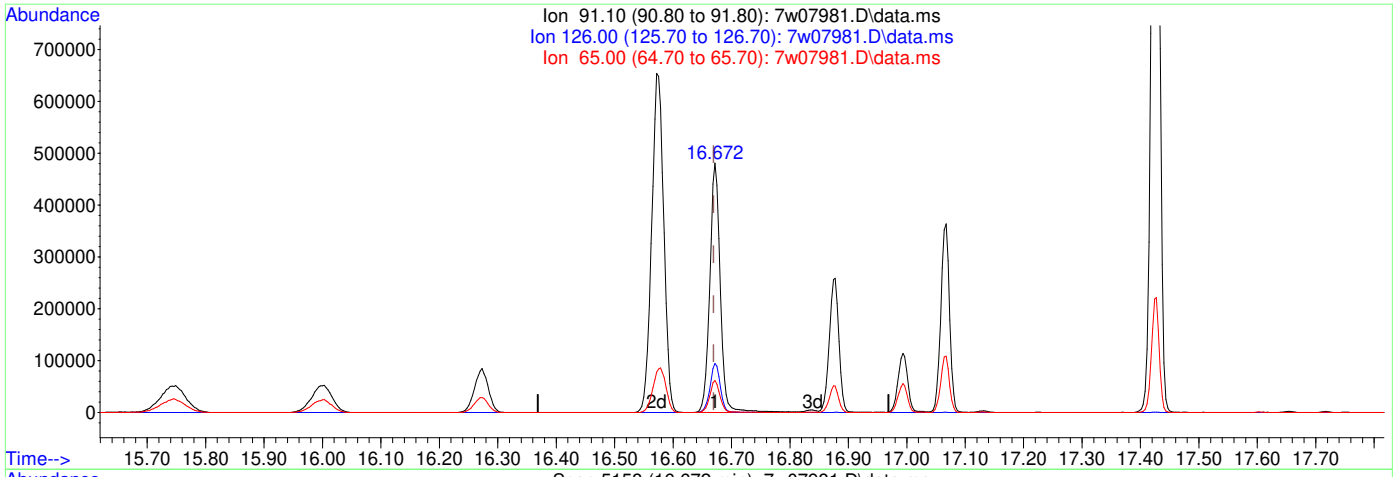
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07981.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/19/24 01:10	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

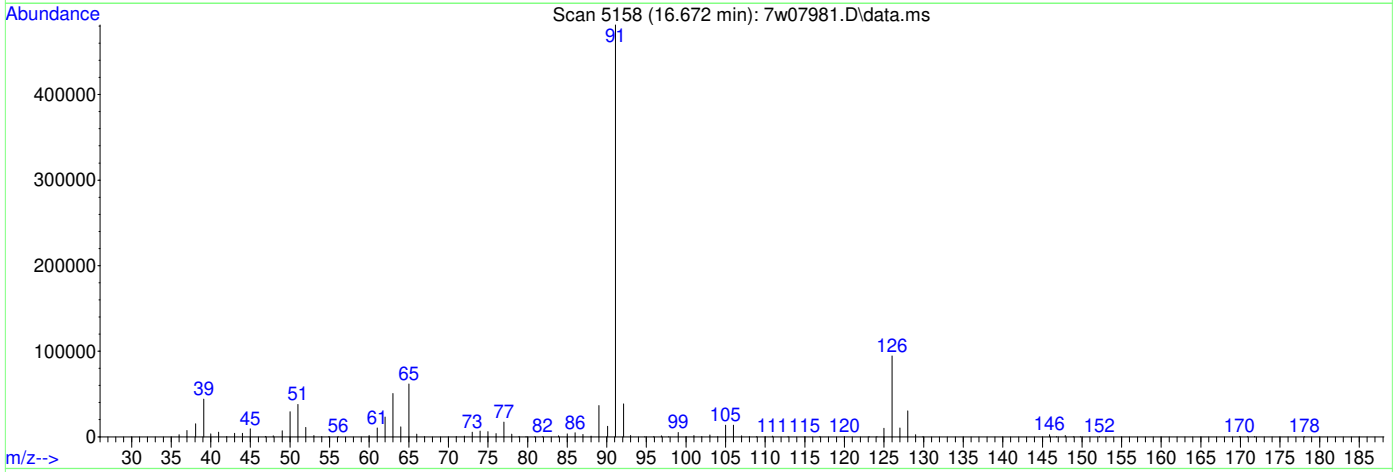
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration





TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.69PPBV

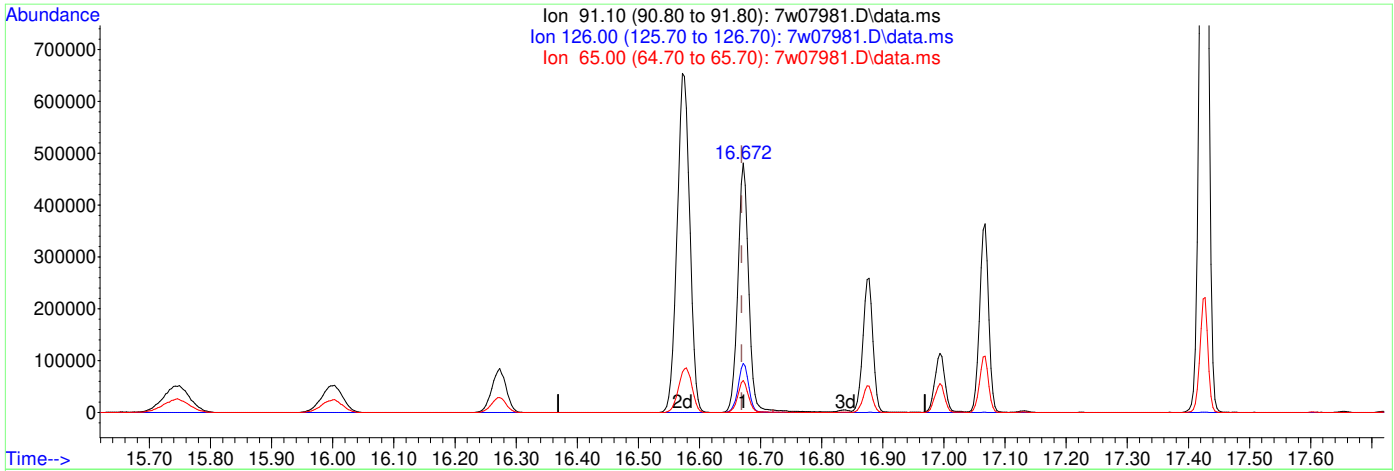
response 598744

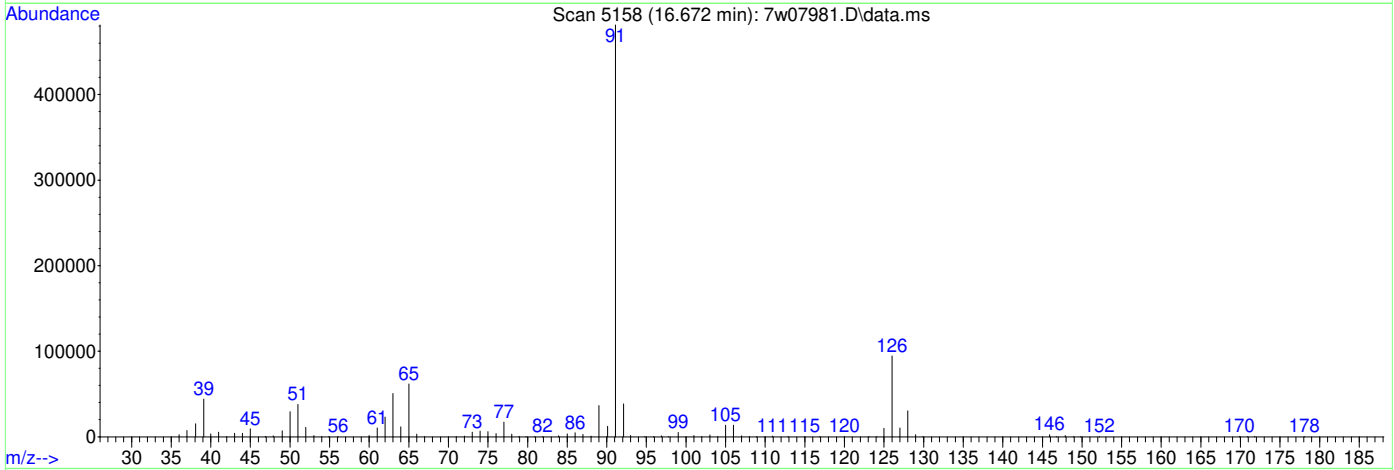
Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.41
65.00	13.50	12.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration





TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.00PPBV m

response 586437

Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.82
65.00	13.50	13.18
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	77284	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	380992	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.129	117	341287	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	77286	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	254399	10.16	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	479498	49.08	PPBV		98
3) FREON 152A	1.647	65	225277	41.32	PPBV		99
4) CHLORODIFLUOROMETHANE	1.660	67	107855	41.41	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	531168	42.36	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.685	85	1365507	42.82	PPBV		99
7) PROPYLENE	1.669	41	307501	41.15	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1126152	42.58	PPBV		99
9) FREON 114	1.759	85	1216958	44.90	PPBV		100
10) CHLOROMETHANE	1.730	52	155210	39.41	PPBV		100
11) VINYL CHLORIDE	1.792	62	503905	41.23	PPBV		98
12) 1,3-BUTADIENE	1.830	54	423360	41.02	PPBV		98
13) N-BUTANE	1.846	43	784812	43.23	PPBV		99
14) BROMOMETHANE	1.907	94	405186	41.45	PPBV		99
15) CHLOROETHANE	1.956	64	265590	41.21	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	1054144	44.46	PPBV		99
17) ACETONITRILE	2.052	41	444566	35.18	PPBV		100
18) ACROLEIN	2.091	56	244650	46.58	PPBV		99
19) FREON 123	2.103	83	1072484	42.46	PPBV		100
20) FREON 123A	2.123	117	648266	45.20	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	1217843	43.41	PPBV		99
22) ISOPROPYL ALCOHOL	2.206	45	986924	35.57	PPBV		98
23) ACETONE	2.129	58	267712	27.52	PPBV		99
24) PENTANE	2.303	42	541283	39.96	PPBV		99
25) IODOMETHANE	2.364	142	1107350	45.77	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	444048	42.54	PPBV		100
27) CARBON DISULFIDE	2.525	76	1380820	45.82	PPBV		97
28) ETHANOL	1.988	45	246600	22.56	PPBV		98
29) BROMOETHENE	2.058	106	411694	41.15	PPBV		99
30) ACRYLONITRILE	2.274	52	386593	39.48	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	403498	36.21	PPBV		97
32) 3-CHLOROPROPENE	2.470	76	229000	43.65	PPBV		92
33) FREON 113	2.525	151	717158	44.48	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	418606	39.92	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.409	59	988301	41.72	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.862	73	1162668	45.46	PPBV		99
37) TETRAHYDROFURAN	3.550	72	216092	45.61	PPBV		99
38) HEXANE	3.322	57	909825	43.13	PPBV		99
39) VINYL ACETATE	2.901	86	112738	52.89	PPBV		93
40) 1,1-DICHLOROETHANE	2.830	63	811814	42.39	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	229599	45.08	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.193	96	461447	43.14	PPBV		99
43) DIISOPROPYL ETHER	3.325	59	260000	46.49	PPBV		99
44) ETHYL ACETATE	3.332	61	186268	45.35	PPBV		99
45) METHYL ACRYLATE	3.319	55	1119785	47.57	PPBV	#	26
46) CHLOROFORM	3.345	83	964123	43.74	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	1011033	45.64	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.917	97	934248	46.56	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	968917	48.27	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.753	62	733596	44.30	PPBV		100
51)	BENZENE	4.226	78	1385476	42.73	PPBV		100
53)	CYCLOHEXANE	4.434	84	603407	44.01	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.692	71	320742	46.54	PPBV		100
55)	TRICHLOROETHENE	5.126	95	641066	43.93	PPBV		100
56)	1,2-DICHLOROPROPANE	4.891	63	574606	44.69	PPBV		99
57)	DIBROMOMETHANE	4.853	174	521107	42.96	PPBV		99
58)	ETHYL ACRYLATE	5.013	55	1339537	48.52	PPBV		100
59)	BROMODICHLOROMETHANE	5.074	83	1065741	47.59	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	2752474	44.22	PPBV		99
61)	1,4-DIOXANE	5.139	88	316234	41.72	PPBV	#	91
62)	HEPTANE	5.537	43	994256	45.09	PPBV		100
63)	METHYL METHACRYLATE	5.434	69	556132	46.84	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.171	58	558762	39.99	PPBV		99
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	875361	50.16	PPBV		98
66)	TOLUENE	7.270	91	1807715	45.02	PPBV		99
67)	1,3-DICHLOROPROPANE	7.328	76	913247	46.29	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.743	75	743619	53.83	PPBV		96
69)	1,1,2-TRICHLOROETHANE	6.901	83	505262	45.59	PPBV		99
70)	2-HEXANONE	7.846	58	793923	38.66	PPBV		99
71)	ETHYL METHACRYLATE	7.975	69	944521	49.01	PPBV		99
72)	TETRACHLOROETHENE	8.997	164	632328	43.26	PPBV		100
73)	DIBROMOCHLOROMETHANE	7.804	129	1085341	51.12	PPBV		100
74)	1,2-DIBROMOETHANE	8.148	107	957340	48.14	PPBV		99
75)	OCTANE	9.148	43	1415805	43.08	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.222	131	747842	50.62	PPBV		98
78)	CHLOROBENZENE	10.206	112	1519252	45.56	PPBV		99
79)	ETHYLBENZENE	11.090	91	2480888	44.56	PPBV		99
80)	M,P-XYLENE	11.524	91	3827571	90.65	PPBV		98
81)	O-XYLENE	12.453	91	1995478	46.04	PPBV		97
82)	STYRENE	12.241	104	1510779	47.29	PPBV		100
83)	NONANE	13.576	43	1529296	45.44	PPBV		99
84)	BROMOFORM	11.328	173	1015782	55.05	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.466	83	1454357	47.64	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.746	75	1111565	47.22	PPBV		100
88)	ISOPROPYLBENZENE	13.968	120	745304	45.82	PPBV		99
89)	BROMOBENZENE	13.833	77	1398331	46.31	PPBV		99
90)	2-CHLOROTOLUENE	14.965	126	671558	44.16	PPBV		99
91)	N-PROPYLBENZENE	15.305	120	787486	46.13	PPBV		100
92)	4-ETHYLTOLUENE	15.752	105	2903289	49.04	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.006	105	2452735	46.90	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.276	118	1287592	49.03	PPBV		100
95)	TERT-BUTYLBENZENE	16.579	134	595730	48.09	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.588	105	2687686	49.67	PPBV		99
97)	BENZYL CHLORIDE	16.675	91	1577661	77.14	PPBV		99
98)	M-DICHLOROBENZENE	16.649	146	1650345	48.34	PPBV		100
99)	P-DICHLOROBENZENE	16.739	146	1699131	47.87	PPBV		100
100)	O-DICHLOROBENZENE	17.051	146	1624812	47.84	PPBV		99
101)	SEC-BUTYLBENZENE	16.878	134	741809	48.93	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	16.997	105	2571874	48.72	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.067	134	821843	48.57	PPBV		98
104)	N-BUTYLBENZENE	17.431	134	861362	51.77	PPBV		99
105)	HEXACHLOROETHANE	17.608	117	1016583	64.36	PPBV		98
106)	HEXACHLOROBUTADIENE	18.659	225	1336000	52.86	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	1756356	53.82	PPBV		99
108)	NAPHTHALENE	18.399	128	4403551	50.52	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	2678485	35.13	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

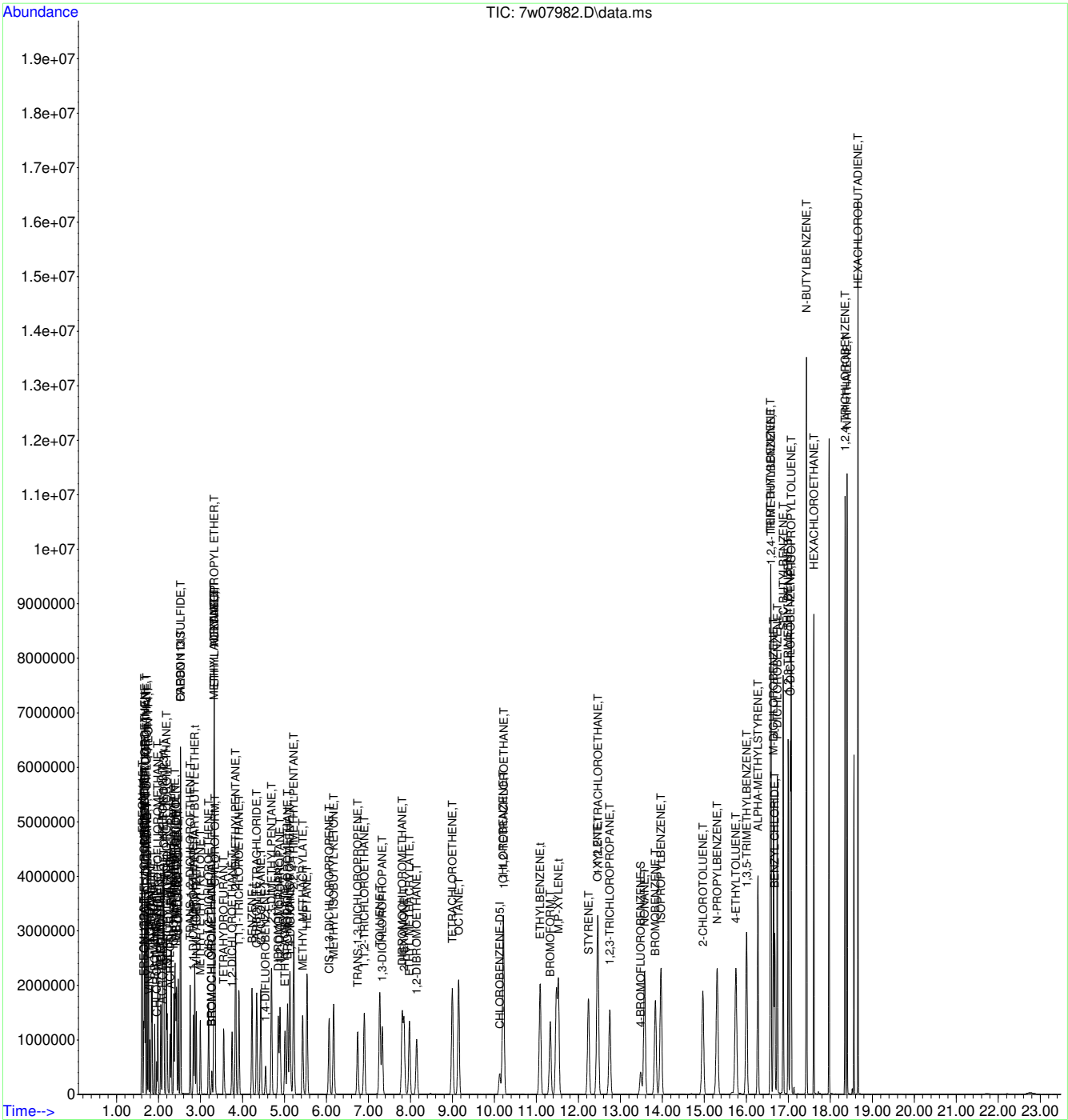
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.270	128	78494	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	389657	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.126	117	345790	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.270	128	78466	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	262126	10.33	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	245619	24.76	PPBV		99
3) FREON 152A	1.647	65	291677	52.67	PPBV		98
4) CHLORODIFLUOROMETHANE	1.660	67	141627	53.53	PPBV		95
5) CHLOROTRIFLUOROETHENE	1.669	116	690638	54.22	PPBV		96
6) DICHLORODIFLUOROMETHANE	1.689	85	1753161	54.12	PPBV		100
7) PROPYLENE	1.669	41	405362	53.41	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1432344	53.33	PPBV		99
9) FREON 114	1.759	85	1558278	56.61	PPBV		100
10) CHLOROMETHANE	1.730	52	195627	48.91	PPBV		98
11) VINYL CHLORIDE	1.791	62	635465	51.19	PPBV		98
12) 1,3-BUTADIENE	1.833	54	540324	51.55	PPBV		98
13) N-BUTANE	1.846	43	998179	54.13	PPBV		99
14) BROMOMETHANE	1.907	94	514200	51.79	PPBV		99
15) CHLOROETHANE	1.955	64	333396	50.94	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	1339188	55.61	PPBV		99
17) ACETONITRILE	2.052	41	560405	43.66	PPBV		100
18) ACROLEIN	2.090	56	312569	58.59	PPBV		100
19) FREON 123	2.103	83	1374797	53.58	PPBV		100
20) FREON 123A	2.123	117	825932	56.70	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	1536852	53.94	PPBV		99
22) ISOPROPYL ALCOHOL	2.206	45	1276024	45.28	PPBV		98
23) ACETONE	2.129	58	337983	34.21	PPBV		99
24) PENTANE	2.303	42	687480	49.97	PPBV		100
25) IODOMETHANE	2.364	142	1405240	57.19	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	566307	53.41	PPBV		99
27) CARBON DISULFIDE	2.525	76	1762887	57.59	PPBV		96
28) ETHANOL	1.988	45	321155	35.32	PPBV		99
29) BROMOETHENE	2.058	106	524513	51.62	PPBV		99
30) ACRYLONITRILE	2.274	52	490384	49.31	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	515055	45.51	PPBV		96
32) 3-CHLOROPROPENE	2.470	76	294143	55.20	PPBV		90
33) FREON 113	2.525	151	913434	55.78	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	535169	50.25	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.409	59	1298839	53.98	PPBV		95
36) METHYL TERTIARY BUTYL ...	2.862	73	1507766	58.04	PPBV		100
37) TETRAHYDROFURAN	3.550	72	274817	57.11	PPBV		98
38) HEXANE	3.322	57	1158103	54.06	PPBV		99
39) VINYL ACETATE	2.901	86	146094	67.49	PPBV		93
40) 1,1-DICHLOROETHANE	2.830	63	1030008	52.95	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	294713	56.98	PPBV		97
42) CIS-1,2-DICHLOROETHENE	3.193	96	589563	54.27	PPBV		99
43) DIISOPROPYL ETHER	3.328	59	332704	58.58	PPBV		98
44) ETHYL ACETATE	3.332	61	237324	56.89	PPBV		100
45) METHYL ACRYLATE	3.319	55	1426991	59.69	PPBV	#	26
46) CHLOROFORM	3.348	83	1214394	54.25	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	1280289	56.90	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.917	97	1200423	58.91	PPBV		96
49) CARBON TETRACHLORIDE	4.338	117	1255040	61.56	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.753	62	933342	55.50	PPBV		100
51) BENZENE	4.229	78	1758391	53.39	PPBV		100
53) CYCLOHEXANE	4.434	84	764340	54.51	PPBV		99
54) 2,3-DIMETHYLPENTANE	4.692	71	410142	58.19	PPBV		99
55) TRICHLOROETHENE	5.129	95	820753	55.00	PPBV		100
56) 1,2-DICHLOROPROPANE	4.894	63	728144	55.37	PPBV		100
57) DIBROMOMETHANE	4.856	174	664737	53.59	PPBV		100
58) ETHYL ACRYLATE	5.013	55	1729659	61.26	PPBV		99
59) BROMODICHLOROMETHANE	5.074	83	1366362	59.66	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.222	57	3472389	54.54	PPBV		99
61) 1,4-DIOXANE	5.135	88	411014	53.01	PPBV	#	91
62) HEPTANE	5.540	43	1257625	55.77	PPBV		100
63) METHYL METHACRYLATE	5.434	69	710742	58.53	PPBV		98
64) METHYL ISOBUTYL KETONE	6.171	58	700033	48.98	PPBV		100
65) CIS-1,3-DICHLOROPROPENE	6.065	75	1127356	63.16	PPBV		97
66) TOLUENE	7.270	91	2289185	55.74	PPBV		100
67) 1,3-DICHLOROPROPANE	7.331	76	1142857	56.64	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.743	75	969360	68.61	PPBV		96
69) 1,1,2-TRICHLOROETHANE	6.901	83	643667	56.79	PPBV		100
70) 2-HEXANONE	7.849	58	988014	47.05	PPBV		100
71) ETHYL METHACRYLATE	7.978	69	1193687	60.56	PPBV		99
72) TETRACHLOROETHENE	9.000	164	805208	53.86	PPBV		99
73) DIBROMOCHLOROMETHANE	7.804	129	1392250	64.12	PPBV		100
74) 1,2-DIBROMOETHANE	8.151	107	1218207	59.90	PPBV		99
75) OCTANE	9.151	43	1775513	52.82	PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	10.222	131	958162	64.01	PPBV		98
78) CHLOROBENZENE	10.209	112	1916033	56.71	PPBV		99
79) ETHYLBENZENE	11.090	91	3150833	55.86	PPBV		100
80) M,P-XYLENE	11.524	91	4833704	112.99	PPBV		98
81) O-XYLENE	12.457	91	2534915	57.72	PPBV		97
82) STYRENE	12.241	104	1921279	59.36	PPBV		99
83) NONANE	13.579	43	1935888	56.77	PPBV		99
84) BROMOFORM	11.331	173	1314897	70.33	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	12.473	83	1856029	60.00	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	12.752	75	1408047	59.04	PPBV		100
88) ISOPROPYLBENZENE	13.971	120	945561	57.37	PPBV		99
89) BROMOBENZENE	13.836	77	1768536	57.81	PPBV		99
90) 2-CHLOROTOLUENE	14.968	126	853495	55.39	PPBV		99
91) N-PROPYLBENZENE	15.305	120	1005505	58.13	PPBV		100
92) 4-ETHYLTOLUENE	15.756	105	3707934	61.82	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.010	105	3135087	59.17	PPBV		100
94) ALPHA-METHYLSTYRENE	16.280	118	1653911	62.16	PPBV		99
95) TERT-BUTYLBENZENE	16.579	134	766074	61.04	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.591	105	3471175	63.31	PPBV		99
97) BENZYL CHLORIDE	16.678	91	2221433	107.20	PPBV		99
98) M-DICHLOROBENZENE	16.649	146	2136121	61.75	PPBV		100
99) P-DICHLOROBENZENE	16.739	146	2201660	61.23	PPBV		100
100) O-DICHLOROBENZENE	17.051	146	2121120	61.64	PPBV		99
101) SEC-BUTYLBENZENE	16.881	134	961231	62.57	PPBV		99
102) 1,2,3-TRIMETHYLBENZENE	17.000	105	3311109	61.90	PPBV		100
103) P-ISOPROPYLTOLUENE	17.071	134	1069730	62.40	PPBV		99
104) N-BUTYLBENZENE	17.431	134	1119830	66.42	PPBV		100
105) HEXACHLOROETHANE	17.608	117	1352760	84.53	PPBV		99
106) HEXACHLOROBUTADIENE	18.662	225	1795989	70.14	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.353	180	2392266	72.35	PPBV		99
108) NAPHTHALENE	18.402	128	6097099	69.04	PPBV		99
110) TVHC as equiv Pentane	2.303	TIC	3373992	43.59	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

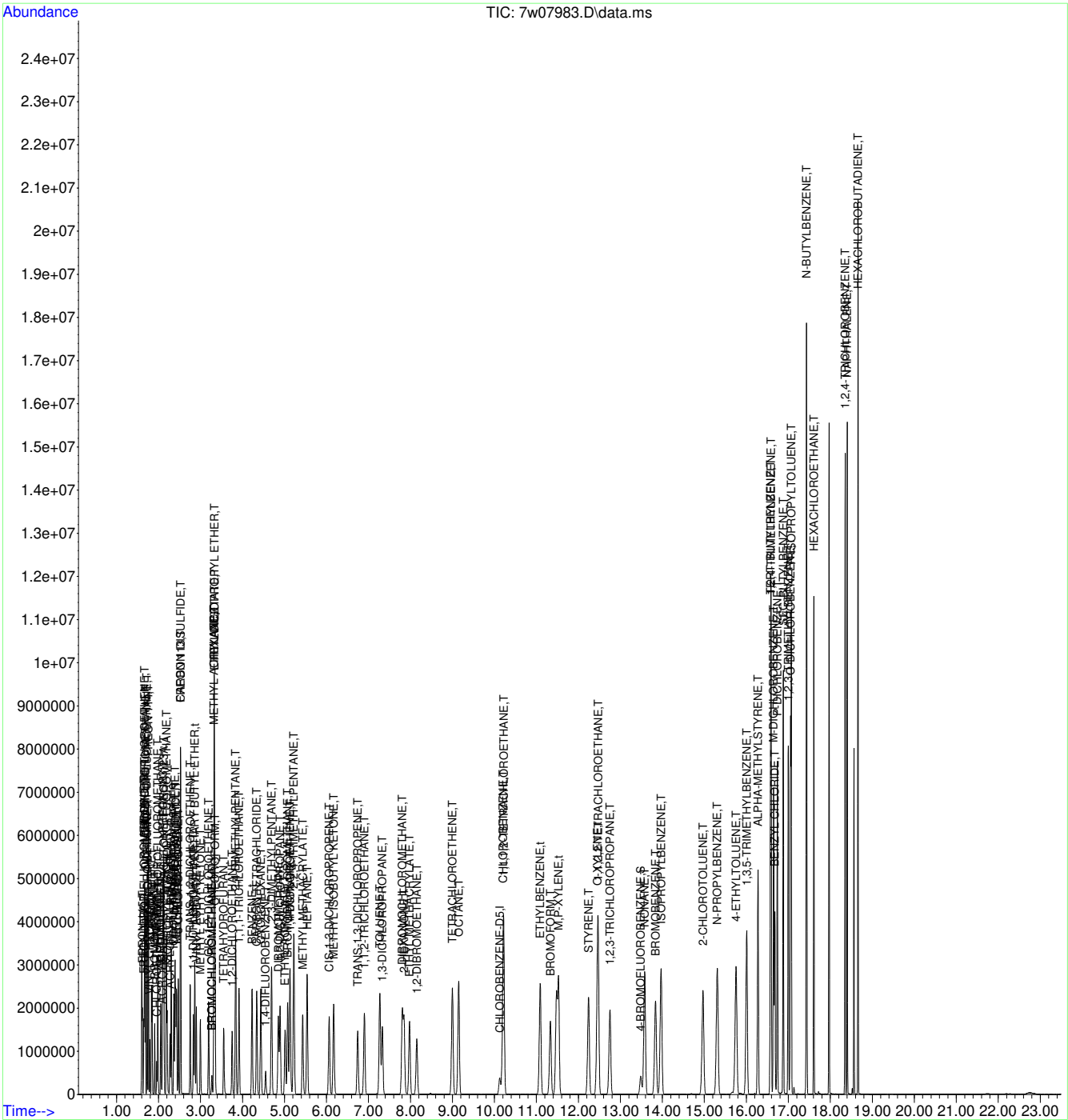
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	76227	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	379483	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	340309	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	76227	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	247947	9.93	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.614	119	109240	11.17	PPBV		99
3) FREON 152A	1.647	65	53753	10.19	PPBV		99
4) CHLORODIFLUOROMETHANE	1.656	67	25133	9.88	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.669	116	122894	9.94	PPBV		96
6) DICHLORODIFLUOROMETHANE	1.685	85	332419	10.88	PPBV		100
7) PROPYLENE	1.669	41	70144	9.60	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	281408	11.00	PPBV		100
9) FREON 114	1.759	85	300241	11.55	PPBV		100
10) CHLOROMETHANE	1.730	52	38535	9.73	PPBV		99
11) VINYL CHLORIDE	1.791	62	125485	10.31	PPBV		98
12) 1,3-BUTADIENE	1.830	54	103362	10.44	PPBV		99
13) N-BUTANE	1.846	43	192783	10.67	PPBV		100
14) BROMOMETHANE	1.907	94	101749	10.45	PPBV		99
15) CHLOROETHANE	1.955	64	65638	10.53	PPBV		92
16) DICHLOROFLUOROMETHANE	1.981	67	265986	11.16	PPBV		99
17) ACETONITRILE	2.052	41	112948	9.54	PPBV		99
18) ACROLEIN	2.090	56	60791	10.23	PPBV		98
19) FREON 123	2.103	83	252173	10.42	PPBV		99
20) FREON 123A	2.119	117	145517	10.48	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.187	101	303115	11.06	PPBV		100
22) ISOPROPYL ALCOHOL	2.212	45	271631	10.52	PPBV		99
23) ACETONE	2.132	58	65635	9.33	PPBV		98
24) PENTANE	2.303	42	132878	10.13	PPBV		99
25) IODOMETHANE	2.364	142	277095	11.72	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.393	96	113020	11.08	PPBV		97
27) CARBON DISULFIDE	2.524	76	349631	11.76	PPBV		100
28) ETHANOL	1.991	45	58992	8.36	PPBV		99
29) BROMOETHENE	2.058	106	103369	11.10	PPBV		99
30) ACRYLONITRILE	2.274	52	96396	10.07	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	104108	9.92	PPBV		96
32) 3-CHLOROPROPENE	2.470	76	56363	10.49	PPBV		93
33) FREON 113	2.524	151	183367	11.42	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.753	96	107278	10.78	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.418	59	294471	11.88	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.865	73	273981	10.96	PPBV		100
37) TETRAHYDROFURAN	3.556	72	51249	10.76	PPBV		97
38) HEXANE	3.319	57	196473	9.44	PPBV		100
39) VINYL ACETATE	2.901	86	25222	11.09	PPBV		87
40) 1,1-DICHLOROETHANE	2.827	63	191878	10.35	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	52375	10.33	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.190	96	109602	10.39	PPBV		97
43) DIISOPROPYL ETHER	3.325	59	57566	10.63	PPBV		93
44) ETHYL ACETATE	3.328	61	39996	10.06	PPBV		99
45) METHYL ACRYLATE	3.315	55	245056	10.75	PPBV	#	26
46) CHLOROFORM	3.341	83	229319	10.75	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.833	57	225377	10.13	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.910	97	204733	10.54	PPBV		97
49) CARBON TETRACHLORIDE	4.335	117	200635	10.52	PPBV		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	169201	10.46	PPBV		99
51)	BENZENE	4.222	78	316278	10.07	PPBV		99
53)	CYCLOHEXANE	4.431	84	138874	10.36	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.688	71	73542	10.71	PPBV		98
55)	TRICHLOROETHENE	5.122	95	147930	10.18	PPBV		99
56)	1,2-DICHLOROPROPANE	4.888	63	132436	10.24	PPBV		100
57)	DIBROMOMETHANE	4.849	174	125660	10.30	PPBV		99
58)	ETHYL ACRYLATE	5.010	55	296975	10.70	PPBV		99
59)	BROMODICHLOROMETHANE	5.068	83	239481	10.74	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	618959	10.08	PPBV		99
61)	1,4-DIOXANE	5.151	88	78243	9.84	PPBV	#	98
62)	HEPTANE	5.534	43	215703	10.00	PPBV		98
63)	METHYL METHACRYLATE	5.431	69	124844	10.75	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.174	58	128395	9.67	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	172676	10.42	PPBV		98
66)	TOLUENE	7.264	91	409854	10.15	PPBV		99
67)	1,3-DICHLOROPROPANE	7.322	76	206984	10.43	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.733	75	141799	10.43	PPBV		98
69)	1,1,2-TRICHLOROETHANE	6.894	83	119463	10.82	PPBV		99
70)	2-HEXANONE	7.852	58	184918	9.13	PPBV		100
71)	ETHYL METHACRYLATE	7.971	69	210624	10.97	PPBV		98
72)	TETRACHLOROETHENE	8.990	164	146582	10.16	PPBV		100
73)	DIBROMOCHLOROMETHANE	7.794	129	231313	10.94	PPBV		99
74)	1,2-DIBROMOETHANE	8.138	107	217379	11.18	PPBV		99
75)	OCTANE	9.141	43	307968	9.49	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	157549	10.79	PPBV		99
78)	CHLOROBENZENE	10.199	112	345685	10.49	PPBV		99
79)	ETHYLBENZENE	11.080	91	562286	10.41	PPBV		99
80)	M,P-XYLENE	11.511	91	869508	20.39	PPBV		99
81)	O-XYLENE	12.440	91	442080	10.32	PPBV		97
82)	STYRENE	12.228	104	333475	10.76	PPBV		100
83)	NONANE	13.563	43	334870	9.89	PPBV		98
84)	BROMOFORM	11.315	173	199478	10.77	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.456	83	324727	10.77	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.736	75	250625	10.29	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	169216	10.43	PPBV		100
89)	BROMOBENZENE	13.820	77	313692	10.22	PPBV		99
90)	2-CHLOROTOLUENE	14.955	126	154799	10.41	PPBV		99
91)	N-PROPYLBENZENE	15.292	120	176747	10.58	PPBV		99
92)	4-ETHYLTOLUENE	15.742	105	631445	10.68	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.996	105	529517	10.64	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.270	118	285116	10.78	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	128929	10.83	PPBV		100
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	562226	10.81	PPBV		99
97)	BENZYL CHLORIDE	16.668	91	224329	14.83	PPBV		100
98)	M-DICHLOROBENZENE	16.643	146	357907	10.31	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	364848	10.60	PPBV		100
100)	O-DICHLOROBENZENE	17.045	146	347951	10.47	PPBV		99
101)	SEC-BUTYLBENZENE	16.874	134	164754	11.00	PPBV		96
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	547996	10.41	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	181395	10.85	PPBV		99
104)	N-BUTYLBENZENE	17.427	134	180029	10.85	PPBV		97
105)	HEXACHLOROETHANE	17.604	117	174155	10.82	PPBV		100
106)	HEXACHLOROBUTADIENE	18.659	225	264758	10.60	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	344052	10.34	PPBV		99
108)	NAPHTHALENE	18.395	128	945806	10.88	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	662374	10.01	PPBV		100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

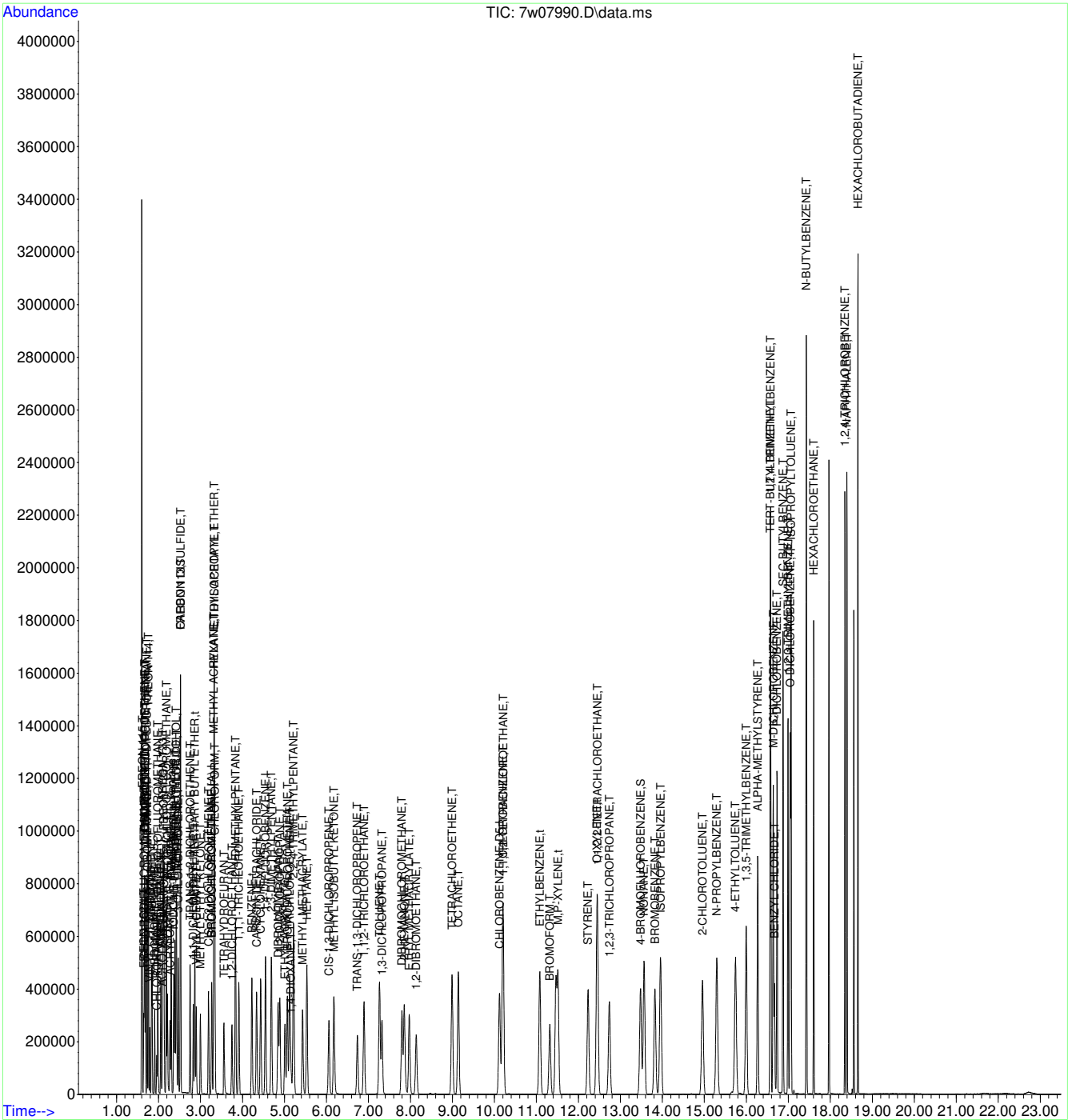
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/05/24 22:11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10269.D
Acq On : 5 Nov 2024 9:53 am
Operator : thomash
Sample : cc305-10
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:39:07 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.274	128	57442	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	291636	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	263262	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	57442	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	185030	9.58	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.621	119	103747	14.08	PPBV		95
3) FREON 152A	1.653	65	55646	13.99	PPBV		88
4) CHLORODIFLUOROMETHANE	1.666	67	21508	11.22	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.676	116	115573	12.40	PPBV		73
6) DICHLORODIFLUOROMETHANE	1.692	85	240403	10.44	PPBV		97
7) PROPYLENE	1.676	41	72667	13.20	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	166478	8.63	PPBV		95
9) FREON 114	1.766	85	202549	10.34	PPBV		100
10) CHLOROMETHANE	1.737	52	27916	9.36	PPBV		96
11) VINYL CHLORIDE	1.801	62	95359	10.40	PPBV		99
12) 1,3-BUTADIENE	1.840	54	80922	10.85	PPBV		88
13) N-BUTANE	1.856	43	141418	10.38	PPBV		99
14) BROMOMETHANE	1.914	94	71680	9.77	PPBV		100
15) CHLOROETHANE	1.965	64	49908	10.62	PPBV		91
16) DICHLOROFLUOROMETHANE	1.991	67	182745	10.18	PPBV		98
17) ACETONITRILE	2.062	41	84800	9.51	PPBV		98
18) ACROLEIN	2.100	56	46176	10.31	PPBV		98
19) FREON 123	2.113	83	185625	10.17	PPBV		98
20) FREON 123A	2.129	117	110019	10.51	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.197	101	194767	9.43	PPBV		99
22) ISOPROPYL ALCOHOL	2.219	45	186881	9.61	PPBV		97
23) ACETONE	2.139	58	52834	9.96	PPBV		72
24) PENTANE	2.312	42	103835	10.51	PPBV		93
25) IODOMETHANE	2.373	142	186256	10.45	PPBV		93
26) 1,1-DICHLOROETHYLENE	2.399	96	76147	9.91	PPBV		98
27) CARBON DISULFIDE	2.534	76	205896m	9.19	PPBV		
28) ETHANOL	1.997	45	50272	9.46	PPBV		98
29) BROMOETHENE	2.068	106	72885	10.39	PPBV		97
30) ACRYLONITRILE	2.283	52	72647	10.07	PPBV		98
31) METHYLENE CHLORIDE	2.434	84	69080	8.73	PPBV		94
32) 3-CHLOROPROPENE	2.476	76	37300	9.21	PPBV		82
33) FREON 113	2.531	151	112651	9.31	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.759	96	85188	11.36	PPBV		96
35) TERTIARY BUTYL ALCOHOL	2.422	59	171028	9.16	PPBV		96
36) METHYL TERTIARY BUTYL ...	2.872	73	227429	12.08	PPBV		98
37) TETRAHYDROFURAN	3.560	72	43463	12.11	PPBV		98
38) HEXANE	3.325	57	179047	11.42	PPBV		90
39) VINYL ACETATE	2.907	86	20587	12.01	PPBV		80
40) 1,1-DICHLOROETHANE	2.836	63	174927	12.52	PPBV		99
41) METHYL ETHYL KETONE	3.004	72	47008	12.30	PPBV		90
42) CIS-1,2-DICHLOROETHENE	3.197	96	91230	11.48	PPBV		99
43) DIISOPROPYL ETHER	3.332	59	50537	12.39	PPBV		85
44) ETHYL ACETATE	3.335	61	35423	11.82	PPBV		82
45) METHYL ACRYLATE	3.322	55	207179	12.06	PPBV	#	26
46) CHLOROFORM	3.348	83	174878	10.88	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.840	57	208780	12.45	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.920	97	167581	11.45	PPBV		96
49) CARBON TETRACHLORIDE	4.341	117	170531	11.87	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10269.D
Acq On : 5 Nov 2024 9:53 am
Operator : thomash
Sample : cc305-10
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:39:07 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	129881	10.65	PPBV		99
51)	BENZENE	4.229	78	275804	11.66	PPBV		97
53)	CYCLOHEXANE	4.438	84	119371	11.59	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.695	71	64583	12.24	PPBV		96
55)	TRICHLOROETHENE	5.129	95	119210	10.67	PPBV		98
56)	1,2-DICHLOROPROPANE	4.891	63	120509	12.13	PPBV		94
57)	DIBROMOMETHANE	4.856	174	100923	10.77	PPBV		94
58)	ETHYL ACRYLATE	5.013	55	257202	12.06	PPBV		99
59)	BROMODICHLOROMETHANE	5.071	83	187878	10.96	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	564099	11.95	PPBV		98
61)	1,4-DIOXANE	5.148	88	67426	11.03	PPBV	#	95
62)	HEPTANE	5.537	43	191627	11.56	PPBV		98
63)	METHYL METHACRYLATE	5.434	69	107684	12.07	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.174	58	111115	10.89	PPBV		90
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	158578	12.45	PPBV		87
66)	TOLUENE	7.267	91	333361	10.74	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	167152	10.96	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	129961	12.44	PPBV		86
69)	1,1,2-TRICHLOROETHANE	6.897	83	97140	11.45	PPBV		97
70)	2-HEXANONE	7.849	58	156840	10.07	PPBV		89
71)	ETHYL METHACRYLATE	7.971	69	174898	11.85	PPBV		94
72)	TETRACHLOROETHENE	8.991	164	122053	11.01	PPBV		97
73)	DIBROMOCHLOROMETHANE	7.801	129	183116	11.27	PPBV		100
74)	1,2-DIBROMOETHANE	8.142	107	173591	11.62	PPBV		99
75)	OCTANE	9.142	43	264560	10.61	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	132602	11.74	PPBV		94
78)	CHLOROBENZENE	10.199	112	262951	10.32	PPBV		99
79)	ETHYLBENZENE	11.084	91	435417	10.42	PPBV		97
80)	M,P-XYLENE	11.508	91	668647	20.26	PPBV		99
81)	O-XYLENE	12.441	91	337353	10.18	PPBV		99
82)	STYRENE	12.232	104	264143	11.02	PPBV		97
83)	NONANE	13.563	43	272261	10.39	PPBV		94
84)	BROMOFORM	11.318	173	165565	11.56	PPBV		98
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	249253	10.68	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.736	75	192649	10.22	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	128646	10.25	PPBV		95
89)	BROMOBENZENE	13.820	77	236898	9.98	PPBV		97
90)	2-CHLOROTOLUENE	14.958	126	114467	9.95	PPBV		99
91)	N-PROPYLBENZENE	15.299	120	133617	10.34	PPBV		100
92)	4-ETHYLTOLUENE	15.743	105	485264	10.61	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	397257	10.32	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	201549	9.85	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	96620	10.49	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	408638	10.16	PPBV		100
97)	BENZYL CHLORIDE	16.669	91	220807	18.86	PPBV		98
98)	M-DICHLOROBENZENE	16.640	146	270065	10.06	PPBV		97
99)	P-DICHLOROBENZENE	16.733	146	274798	10.32	PPBV		97
100)	O-DICHLOROBENZENE	17.045	146	257498	10.02	PPBV		97
101)	SEC-BUTYLBENZENE	16.874	134	120630	10.41	PPBV		94
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	393461	9.66	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.067	134	131022	10.13	PPBV		93
104)	N-BUTYLBENZENE	17.427	134	130841	10.19	PPBV		91
105)	HEXACHLOROETHANE	17.604	117	147154	11.81	PPBV		96
106)	HEXACHLOROBUTADIENE	18.662	225	206512	10.69	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.353	180	261783	10.17	PPBV		99
108)	NAPHTHALENE	18.402	128	596010	8.86	PPBV		100
110)	TVHC as equiv Pentane	2.312	TIC	490112	9.83	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10269.D
Acq On : 5 Nov 2024 9:53 am
Operator : thomash
Sample : cc305-10
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:39:07 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

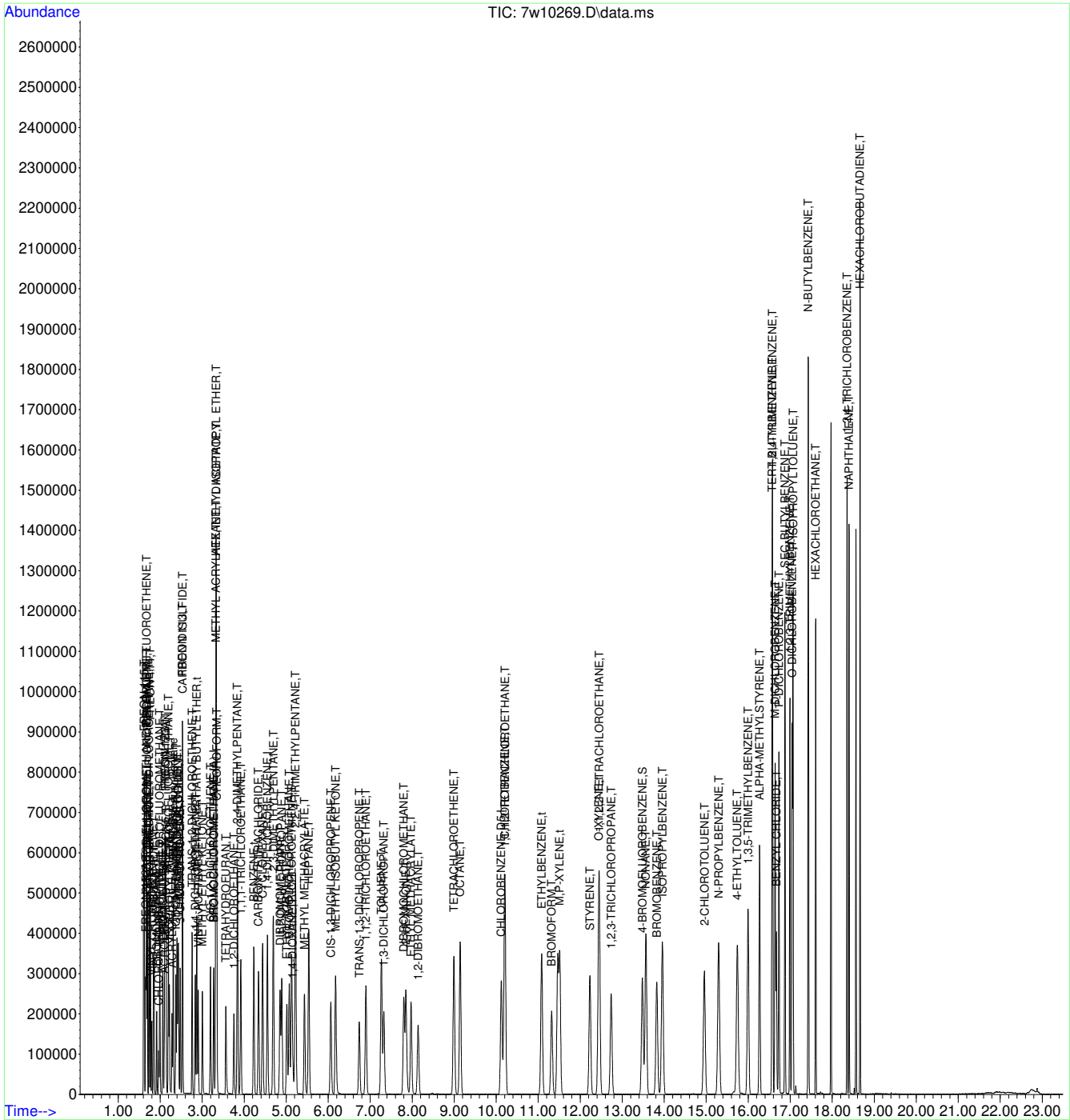
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10269.D
Acq On : 5 Nov 2024 9:53 am
Operator : thomash
Sample : cc305-10
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:39:07 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

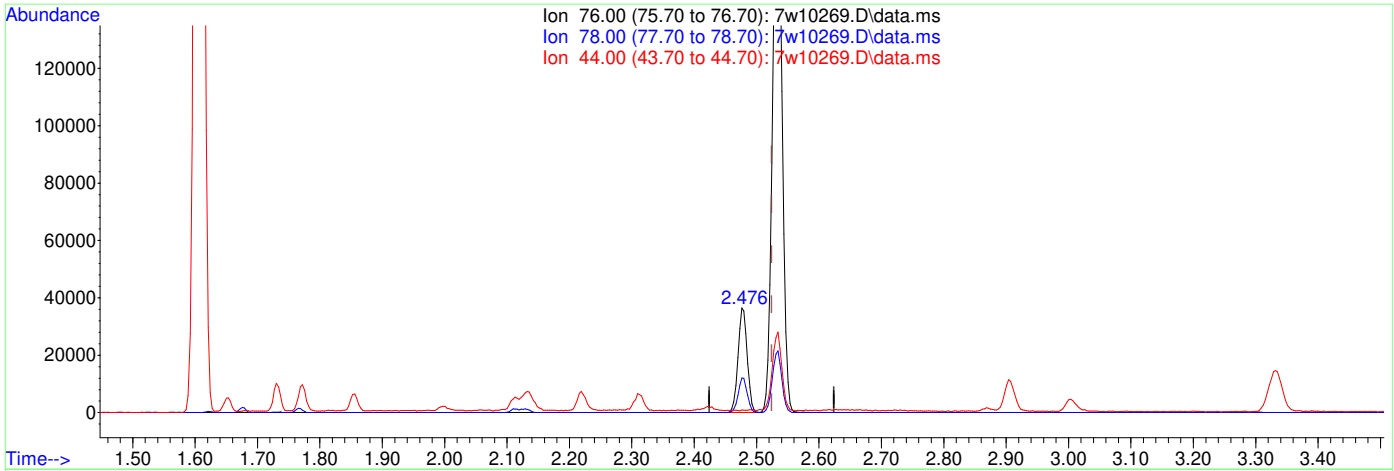
Sample Number: V7W378-CC305 **Method:** TO-15
Lab FileID: 7W10269.D **Analyst approved:** 11/05/24 16:58 Thomas Hilbig
Injection Time: 11/05/24 09:53 **Supervisor approved:** 11/05/24 22:11 Kanya Veerawat

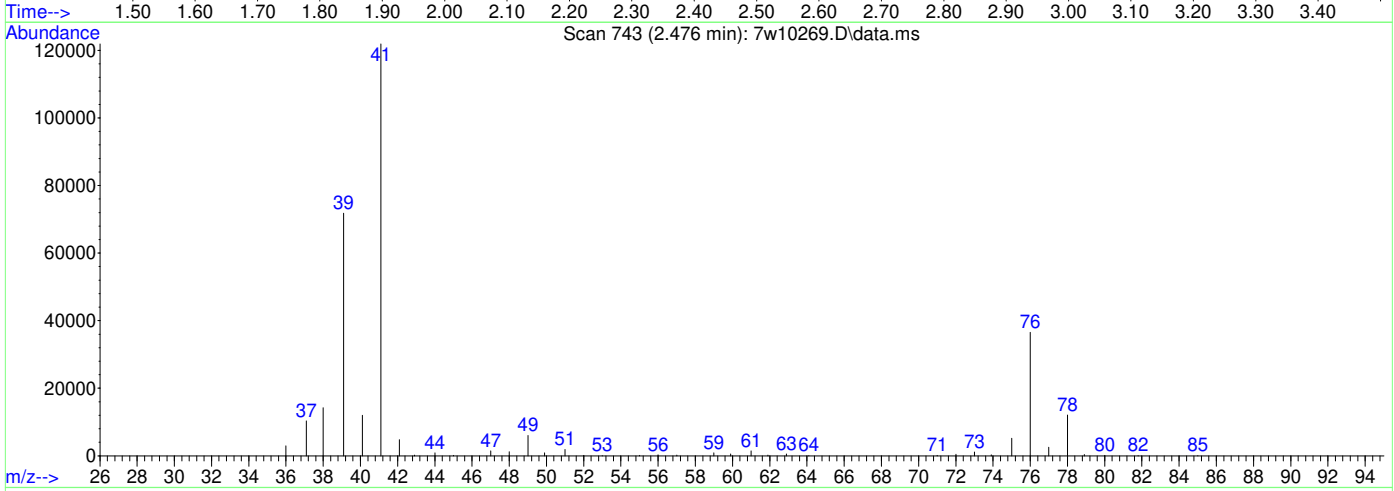
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w10269.D
Acq On : 5 Nov 2024 9:53 am
Operator : thomash
Sample : cc305-10
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 12:59:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10269.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.67PPBV

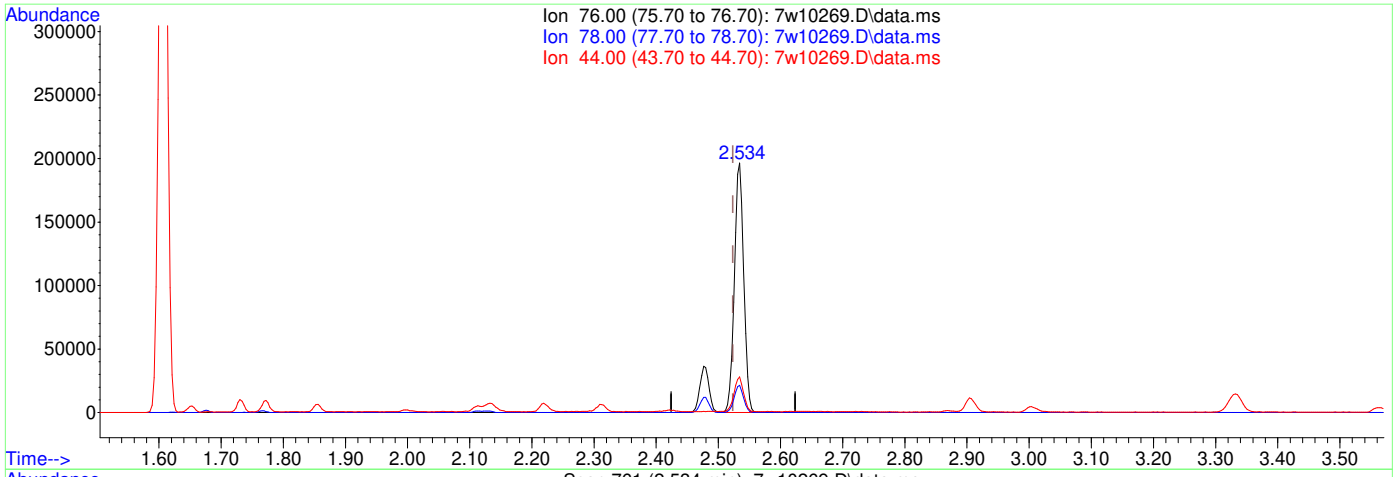
response 37311

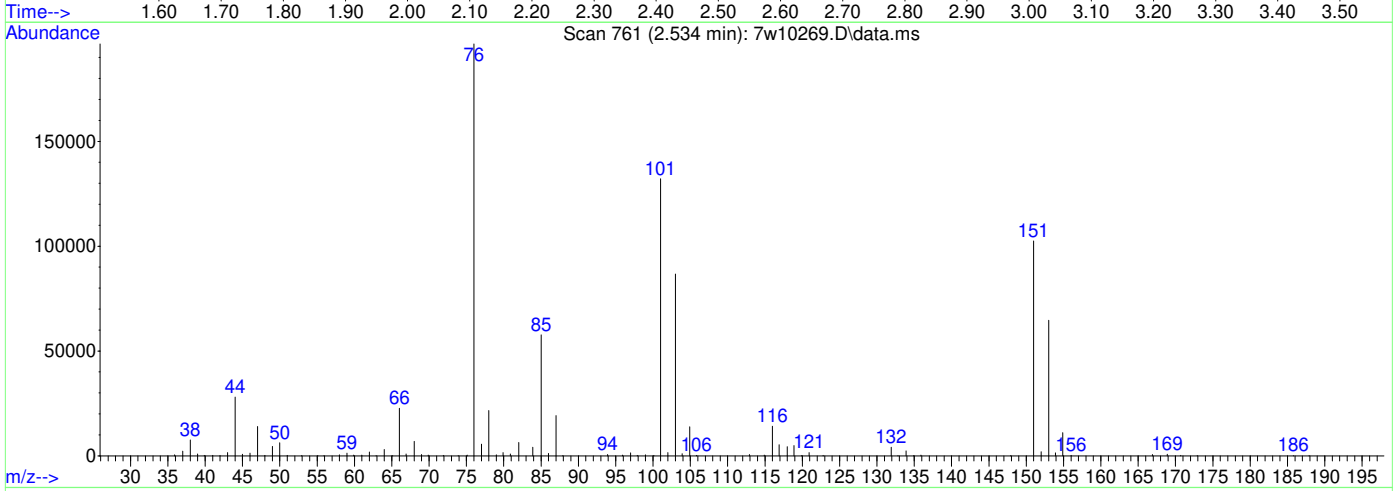
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.72#
44.00	19.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w10269.D
Acq On : 5 Nov 2024 9:53 am
Operator : thomash
Sample : cc305-10
Misc : MS86513,v7w378,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:39:07 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10269.D\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 9.19PPBV m

response 205896

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.93#
44.00	19.10	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.223	128	135115	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.490	114	681342	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.029	117	623287	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.223	128	135115	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	446738	9.86	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	481	0.04	PPBV		97
3) FREON 152A	1.628	65	207m	0.03	PPBV		
4) CHLORODIFLUOROMETHANE	1.638	67	132	0.04	PPBV	#	40
5) CHLOROTRIFLUOROETHENE	1.650	116	547	0.03	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.666	85	1186	0.03	PPBV	#	87
7) PROPYLENE	1.650	41	502	0.06	PPBV	#	60
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	979	0.04	PPBV	#	71
9) FREON 114	1.737	85	987	0.04	PPBV		93
10) CHLOROMETHANE	1.711	52	181	0.05	PPBV		81
11) VINYL CHLORIDE	1.773	62	372	0.03	PPBV	#	81
12) 1,3-BUTADIENE	1.808	54	595	0.07	PPBV	#	22
13) N-BUTANE	1.824	43	1027	0.06	PPBV	#	1
14) BROMOMETHANE	1.882	94	453	0.05	PPBV	#	61
15) CHLOROETHANE	1.933	64	271	0.04	PPBV		85
16) DICHLOROFLUOROMETHANE	1.959	67	870	0.04	PPBV		95
17) ACETONITRILE	2.027	41	415m	0.04	PPBV		
18) ACROLEIN	2.062	56	289m	0.05	PPBV		
19) FREON 123	2.072	83	1077	0.04	PPBV		89
20) FREON 123A	2.091	117	665	0.04	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.155	101	993	0.03	PPBV	#	84
22) ISOPROPYL ALCOHOL	2.187	45	1113	0.04	PPBV	#	64
23) ACETONE	2.104	58	492	0.07	PPBV		82
24) PENTANE	2.271	42	559	0.05	PPBV	#	43
25) IODOMETHANE	2.332	142	957	0.03	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.358	96	627	0.06	PPBV	#	63
27) CARBON DISULFIDE	2.490	76	1027	0.03	PPBV	#	66
28) ETHANOL	1.966	45	1506	0.14	PPBV		93
29) BROMOETHENE	2.030	106	456	0.04	PPBV	#	96
30) ACRYLONITRILE	2.239	52	746	0.08	PPBV	#	70
31) METHYLENE CHLORIDE	2.396	84	1398	0.12	PPBV		88
32) 3-CHLOROPROPENE	2.435	76	208	0.04	PPBV	#	25
33) FREON 113	2.490	151	596	0.03	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	2.721	96	582	0.05	PPBV	#	66
35) TERTIARY BUTYL ALCOHOL	2.400	59	999	0.03	PPBV	#	29
36) METHYL TERTIARY BUTYL ...	2.830	73	1395	0.04	PPBV	#	68
37) TETRAHYDROFURAN	3.544	72	121	0.02	PPBV	#	1
38) HEXANE	3.281	57	1034	0.05	PPBV		80
39) VINYL ACETATE	2.859	86	94	0.03	PPBV	#	1
40) 1,1-DICHLOROETHANE	2.789	63	752	0.03	PPBV	#	70
41) METHYL ETHYL KETONE	2.969	72	186	0.03	PPBV	#	1
42) CIS-1,2-DICHLOROETHENE	3.149	96	425	0.03	PPBV		94
43) DIISOPROPYL ETHER	3.287	59	224	0.04	PPBV		89
44) ETHYL ACETATE	3.303	61	143	0.03	PPBV	#	59
45) METHYL ACRYLATE	3.281	55	833	0.03	PPBV	#	88
46) CHLOROFORM	3.293	83	952	0.04	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.782	57	1020	0.04	PPBV		92
48) 1,1,1-TRICHLOROETHANE	3.866	97	955	0.04	PPBV		92
49) CARBON TETRACHLORIDE	4.284	117	740	0.03	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	665	0.04	PPBV	#	91
51) BENZENE	4.174	78	1541	0.04	PPBV		97
53) CYCLOHEXANE	4.371	84	625	0.04	PPBV	#	75
54) 2,3-DIMETHYLPENTANE	4.628	71	389	0.05	PPBV	#	97
55) TRICHLOROETHENE	5.062	95	555	0.03	PPBV		96
56) 1,2-DICHLOROPROPANE	4.827	63	530	0.04	PPBV	#	83
57) DIBROMOMETHANE	4.785	174	759	0.05	PPBV		93
58) ETHYL ACRYLATE	4.965	55	1009	0.03	PPBV	#	95
59) BROMODICHLOROMETHANE	4.998	83	901	0.03	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.152	57	2462	0.04	PPBV	#	89
61) 1,4-DIOXANE	5.226	88	244	0.02	PPBV	#	47
62) HEPTANE	5.470	43	805	0.03	PPBV	#	77
63) METHYL METHACRYLATE	5.370	69	643	0.04	PPBV	#	76
64) METHYL ISOBUTYL KETONE	6.133	58	435	0.03	PPBV	#	81
65) CIS-1,3-DICHLOROPROPENE	5.994	75	735	0.03	PPBV	#	73
66) TOLUENE	7.187	91	2041	0.04	PPBV		89
67) 1,3-DICHLOROPROPANE	7.239	76	755	0.03	PPBV	#	74
68) TRANS-1,3-DICHLOROPROPENE	6.666	75	643	0.03	PPBV		97
69) 1,1,2-TRICHLOROETHANE	6.827	83	477	0.04	PPBV		100
70) 2-HEXANONE	7.817	58	587	0.03	PPBV	#	59
71) ETHYL METHACRYLATE	7.904	69	1154	0.05	PPBV	#	84
72) TETRACHLOROETHENE	8.904	164	711	0.04	PPBV		95
73) DIBROMOCHLOROMETHANE	7.721	129	828	0.03	PPBV		94
74) 1,2-DIBROMOETHANE	8.052	107	793	0.03	PPBV	#	96
75) OCTANE	9.058	43	1306	0.04	PPBV		86
77) 1,1,1,2-TETRACHLOROETHANE	10.107	131	628	0.03	PPBV	#	78
78) CHLOROBENZENE	10.103	112	1266	0.03	PPBV		85
79) ETHYLBENZENE	10.988	91	2859	0.05	PPBV		88
80) M,P-XYLENE	11.422	91	3729m	0.08	PPBV		
81) O-XYLENE	12.354	91	2008	0.04	PPBV		98
82) STYRENE	12.152	104	1076	0.03	PPBV		95
83) NONANE	13.460	43	1432	0.04	PPBV		85
84) BROMOFORM	11.229	173	696	0.03	PPBV	#	79
85) 1,1,2,2-TETRACHLOROETHANE	12.354	83	1109	0.03	PPBV	#	94
86) 1,2,3-TRICHLOROPROPANE	12.644	75	809	0.03	PPBV	#	99
88) ISOPROPYLBENZENE	13.862	120	606	0.03	PPBV	#	68
89) BROMOBENZENE	13.721	77	1193	0.03	PPBV	#	66
90) 2-CHLOROTOLUENE	14.843	126	445	0.03	PPBV	#	43
91) N-PROPYLBENZENE	15.203	120	527	0.03	PPBV		95
92) 4-ETHYLTOLUENE	15.647	105	2316m	0.03	PPBV		
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	1967	0.03	PPBV		92
94) ALPHA-METHYLSTYRENE	16.216	118	852	0.03	PPBV		90
95) TERT-BUTYLBENZENE	16.528	134	479	0.03	PPBV		95
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	2036	0.03	PPBV		98
97) BENZYL CHLORIDE	16.631	91	1586	0.03	PPBV		90
98) M-DICHLOROBENZENE	16.598	146	1203	0.03	PPBV		90
99) P-DICHLOROBENZENE	16.692	146	1243	0.03	PPBV		96
100) O-DICHLOROBENZENE	17.007	146	1290	0.03	PPBV		95
101) SEC-BUTYLBENZENE	16.843	134	535	0.03	PPBV		79
102) 1,2,3-TRIMETHYLBENZENE	16.958	105	1962	0.03	PPBV		94
103) P-ISOPROPYLTOLUENE	17.032	134	596	0.03	PPBV		87
104) N-BUTYLBENZENE	17.399	134	566	0.03	PPBV		83
105) HEXACHLOROETHANE	17.576	117	628	0.03	PPBV		91
106) HEXACHLOROBUTADIENE	18.634	225	926	0.03	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	18.325	180	996	0.03	PPBV		94
108) NAPHTHALENE	18.376	128	2159	0.03	PPBV		97
110) TVHC as equiv Pentane	2.268	TIC	2517m	0.04	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

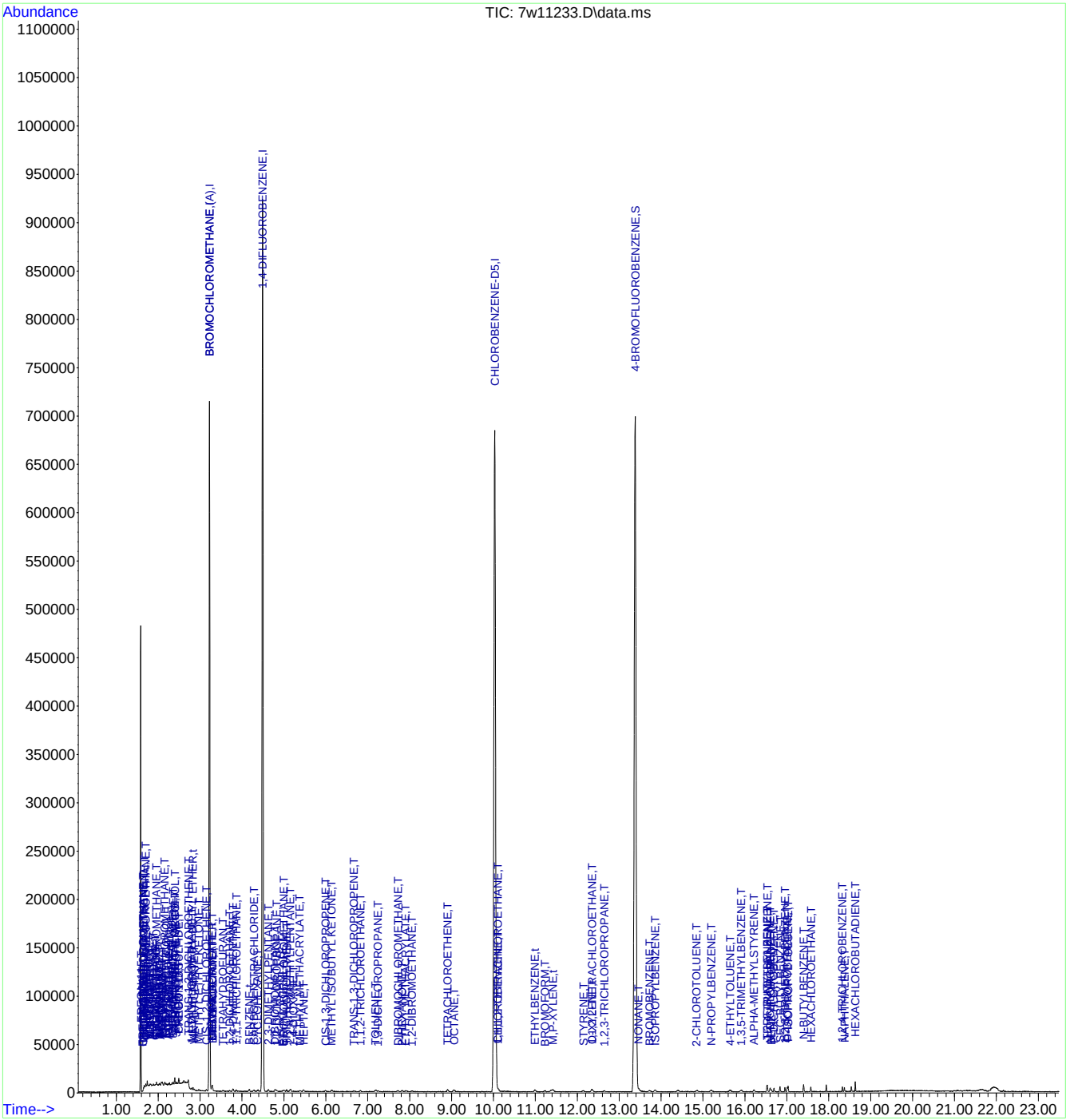
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration



Manual Integration Approval Summary

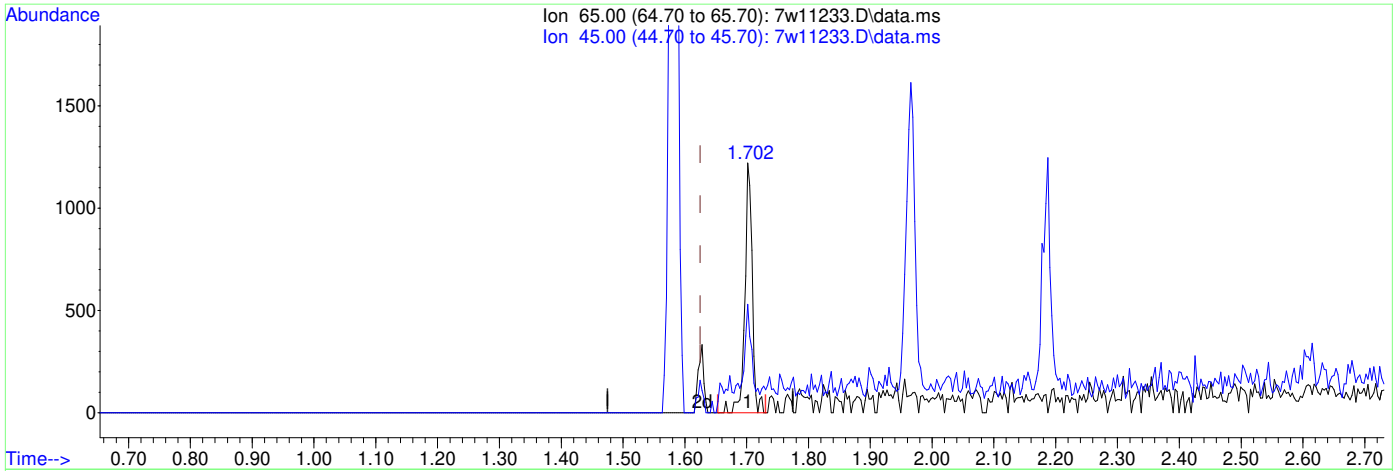
Sample Number: V7W405-IC405 **Method:** TO-15
Lab FileID: 7W11233.D **Analyst approved:** 12/30/24 00:11 Kanya Veerawat
Injection Time: 12/28/24 09:16 **Supervisor approved:** 12/30/24 00:15 Kanya Veerawat

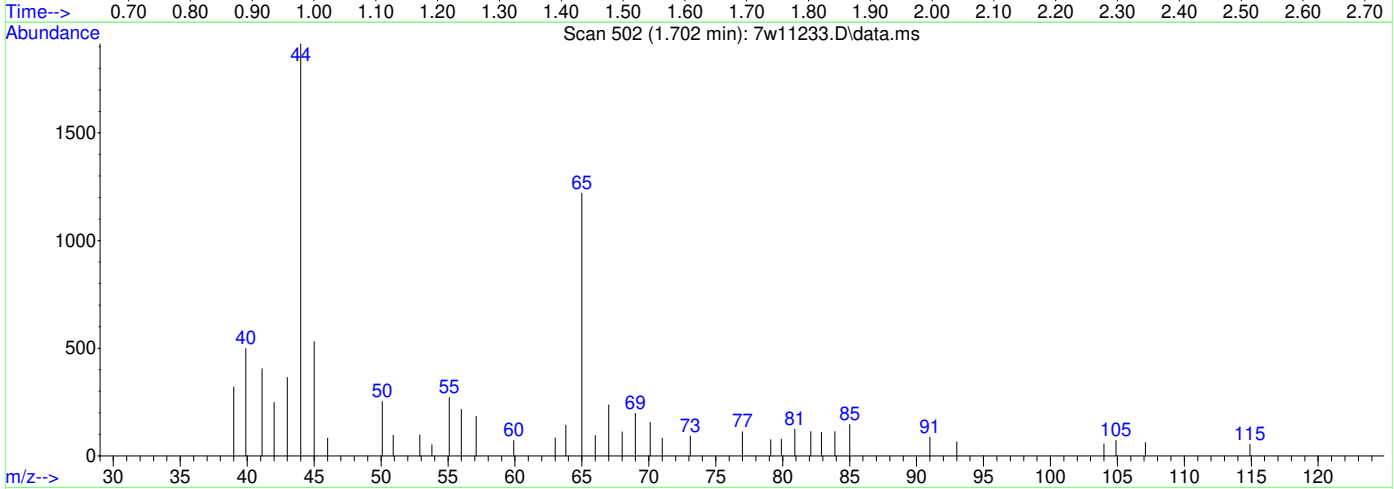
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.63	Missed peak
Acetonitrile	75-05-8		2.03	Poor instrument integration
Acrolein	107-02-8		2.06	Missed peak
TVHC As Equiv Pentane			2.27	Missed peak
m,p-Xylene			11.42	Split peak
4-Ethyltoluene	622-96-8		15.65	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(3) FREON 152A (T)

1.702min (+0.077) 0.15PPBV

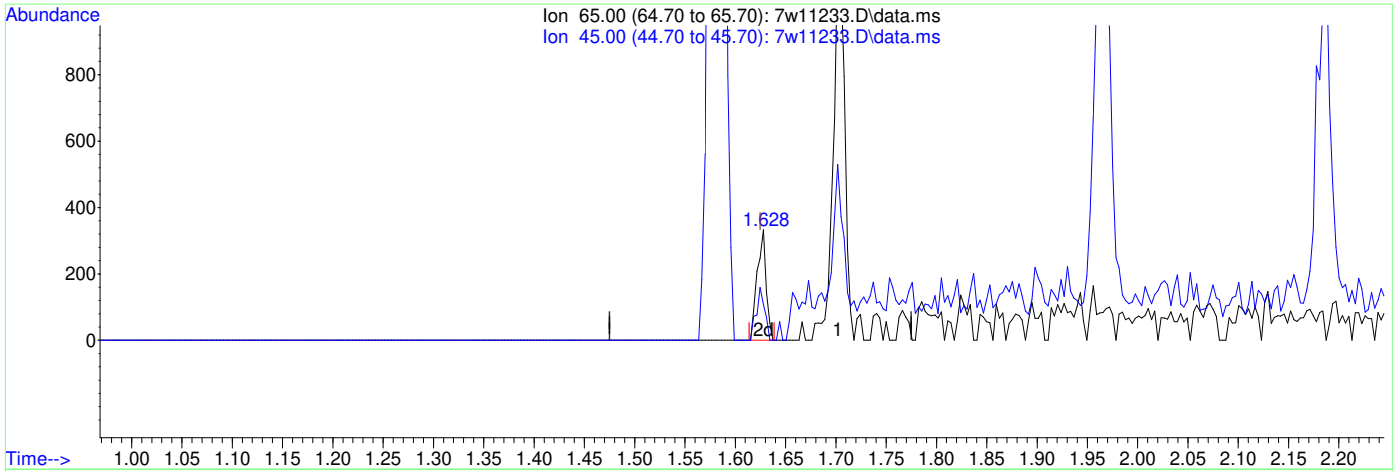
response 989

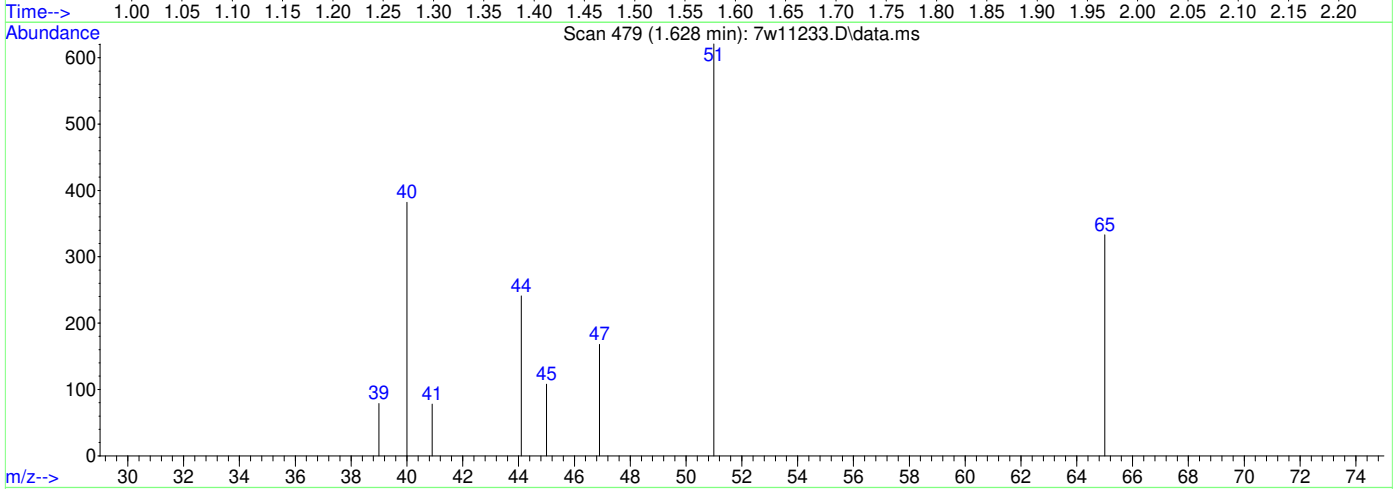
Ion	Exp%	Act%
65.00	100	100
45.00	33.60	34.18
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(3) FREON 152A (T)

1.628min (+0.003) 0.03PPBV m

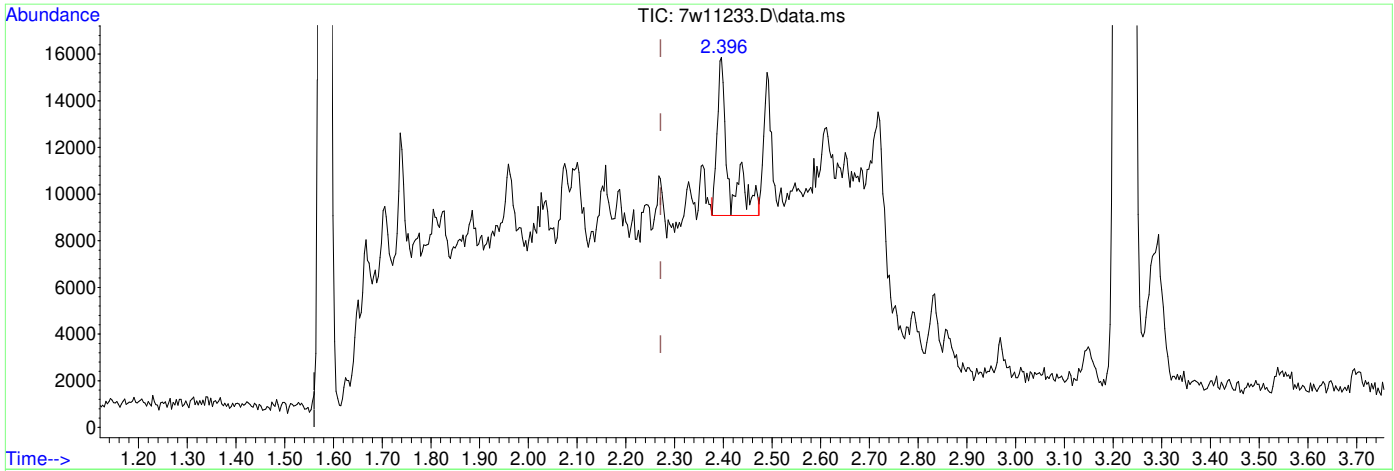
response 207

Ion	Exp%	Act%
65.00	100	100
45.00	33.60	163.29#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration



TIC: 7w11233.D\data.ms

(110) TVHC as equiv Pentane

2.396min (+0.125) 0.20PPBV

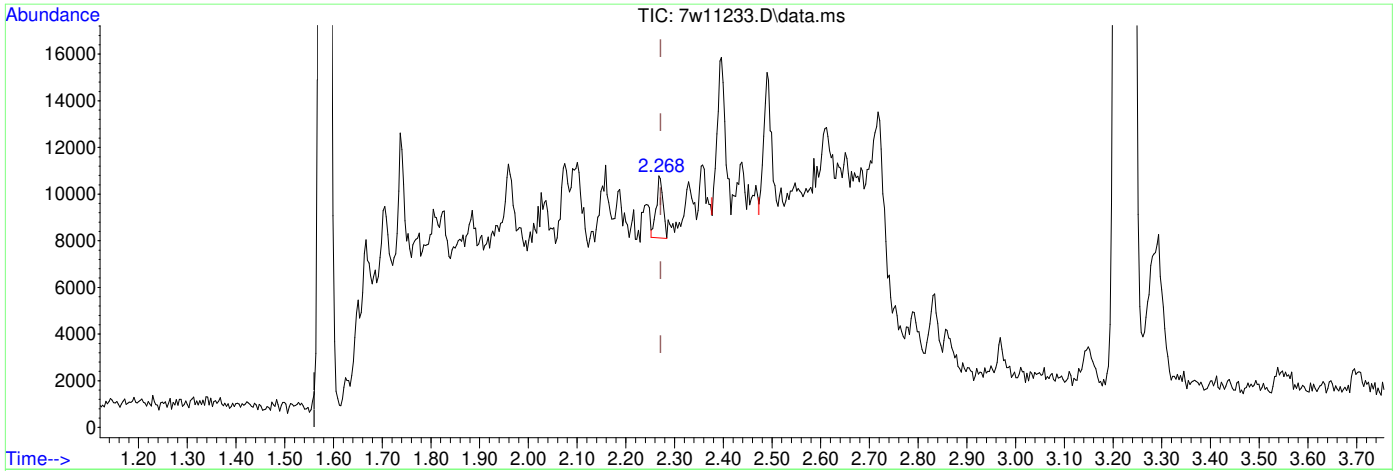
response 11422

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration



TIC: 7w11233.D\data.ms

(110) TVHC as equiv Pentane

2.268min (-0.003) 0.04PPBV m

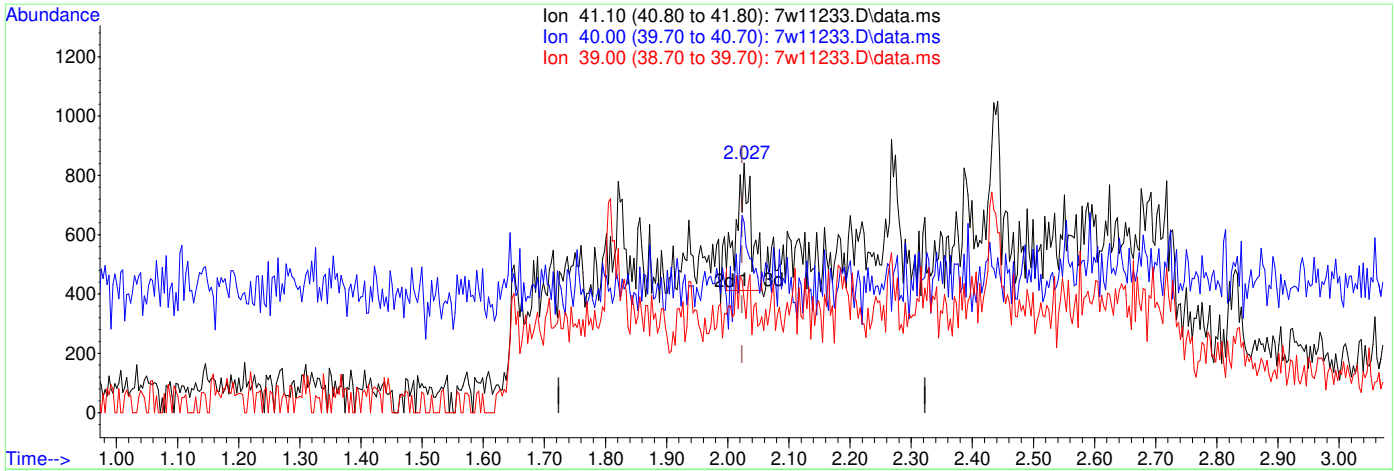
response 2517

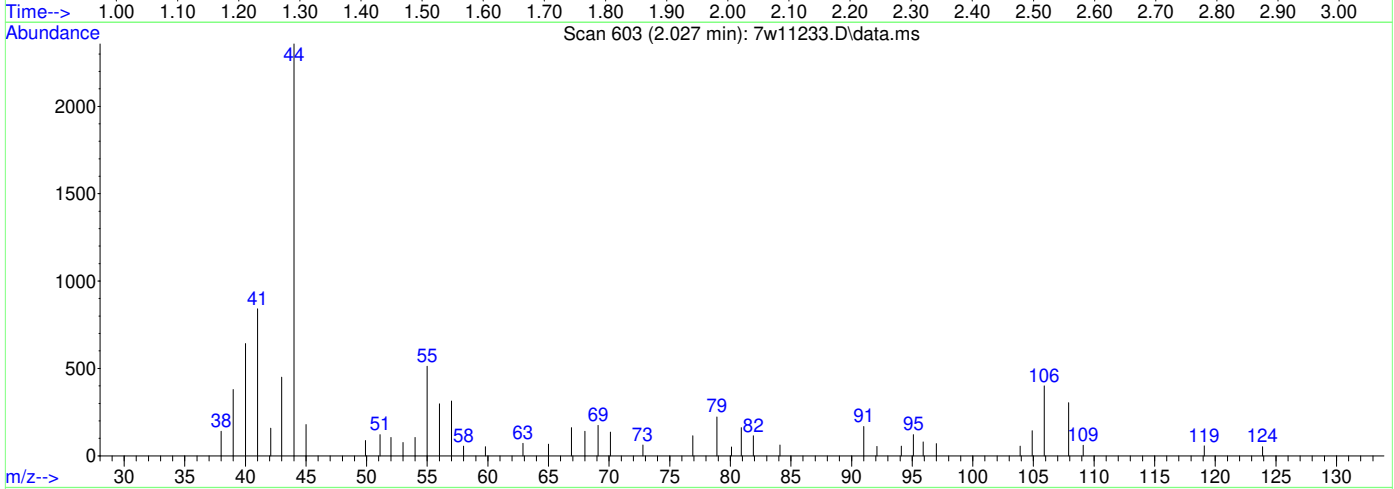
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(17) ACETONITRILE (T)

2.027min (+0.004) 0.07PPBV

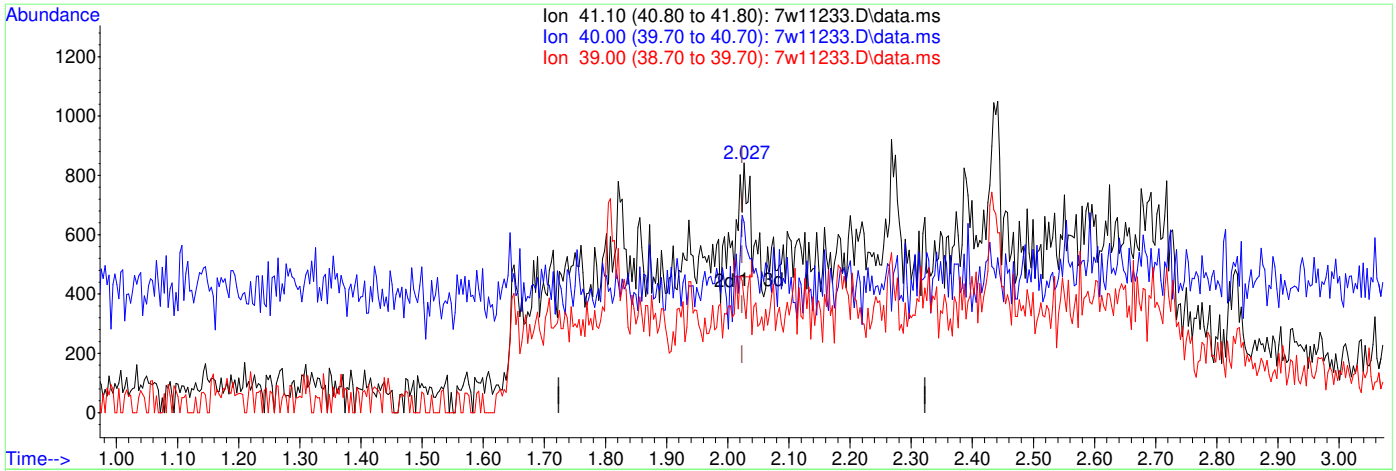
response 727

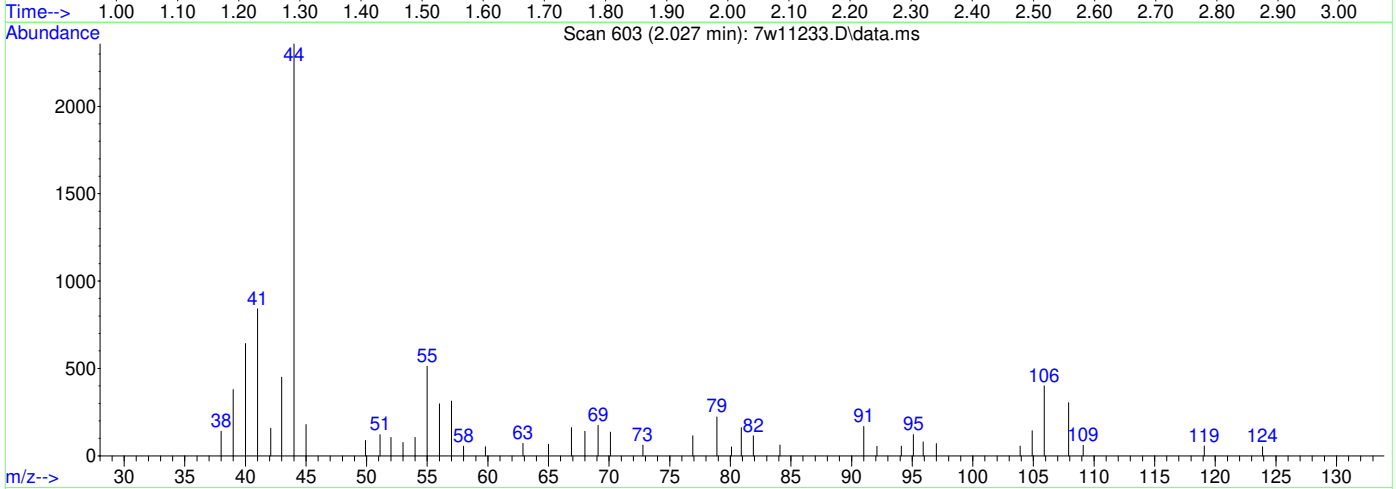
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	57.91
39.00	19.70	37.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(17) ACETONITRILE (T)

2.027min (+0.004) 0.04PPBV m

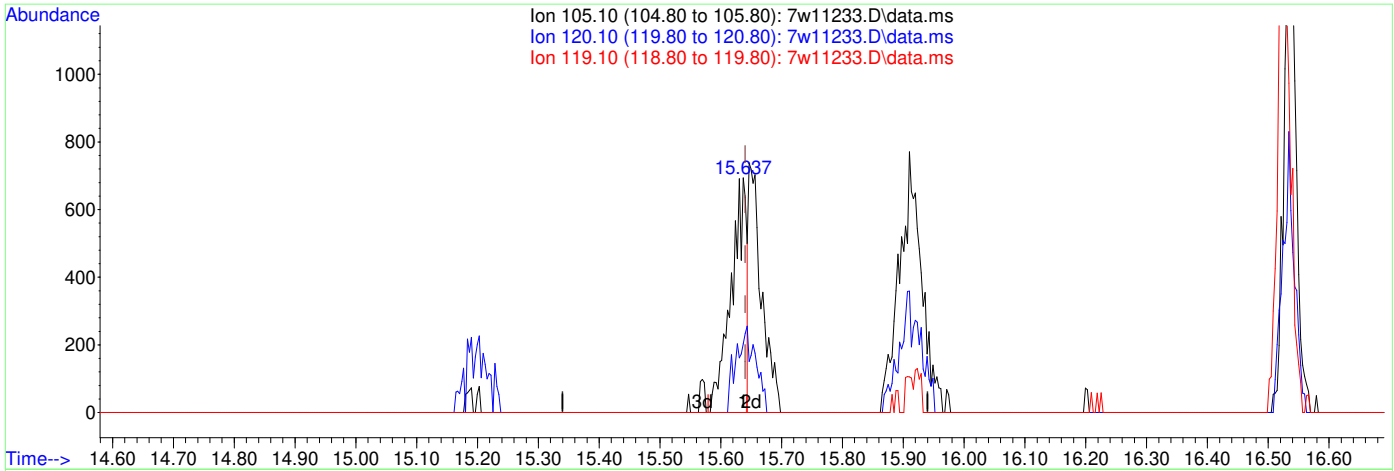
response 415

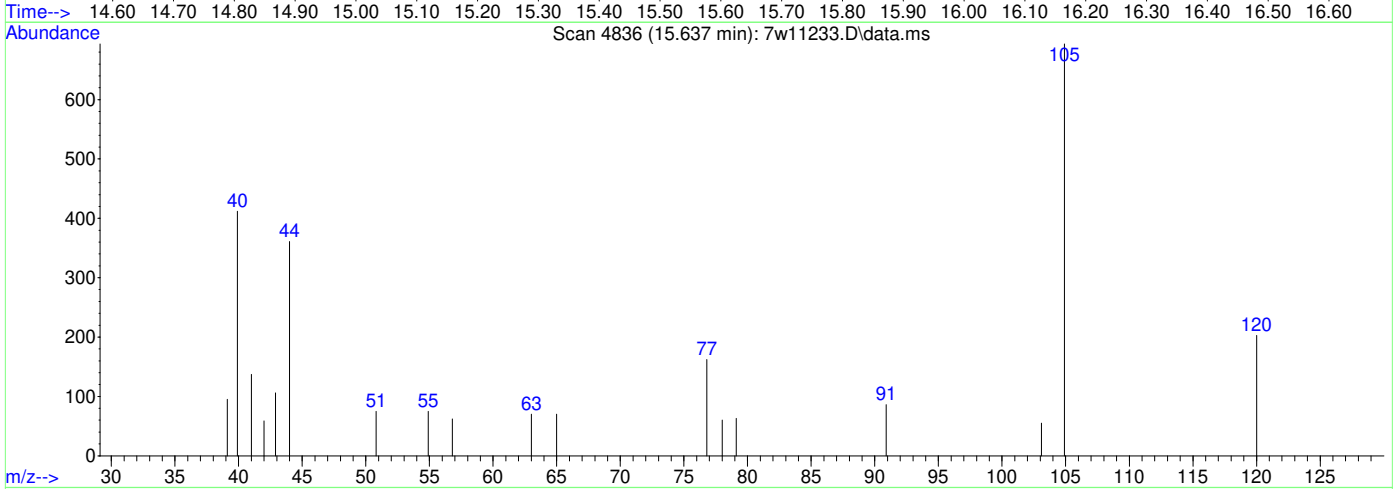
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	101.45#
39.00	19.70	66.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.637min (-0.003) 0.02PPBV

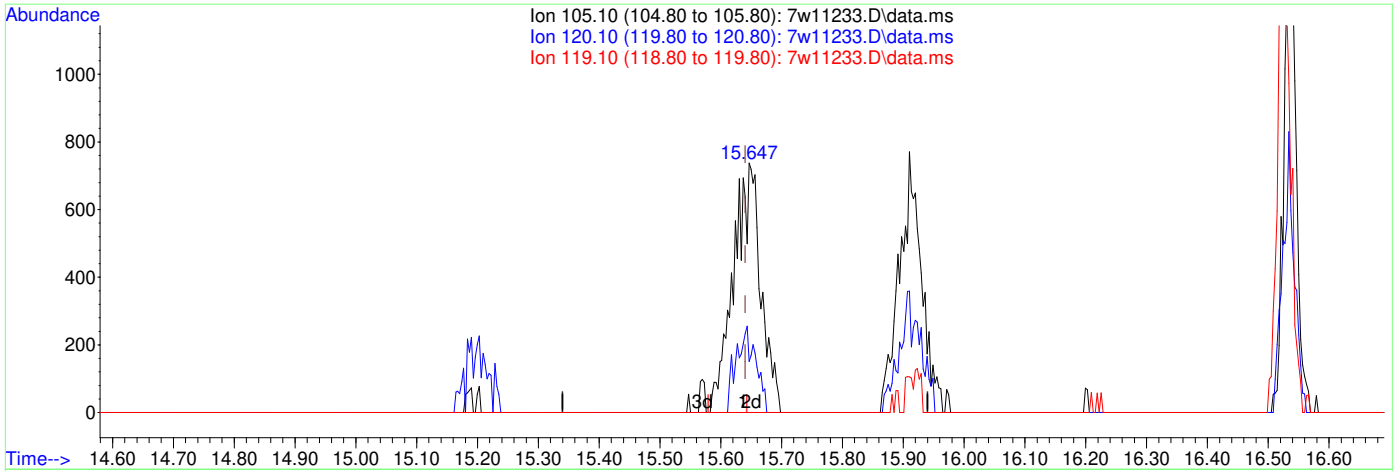
response 1228

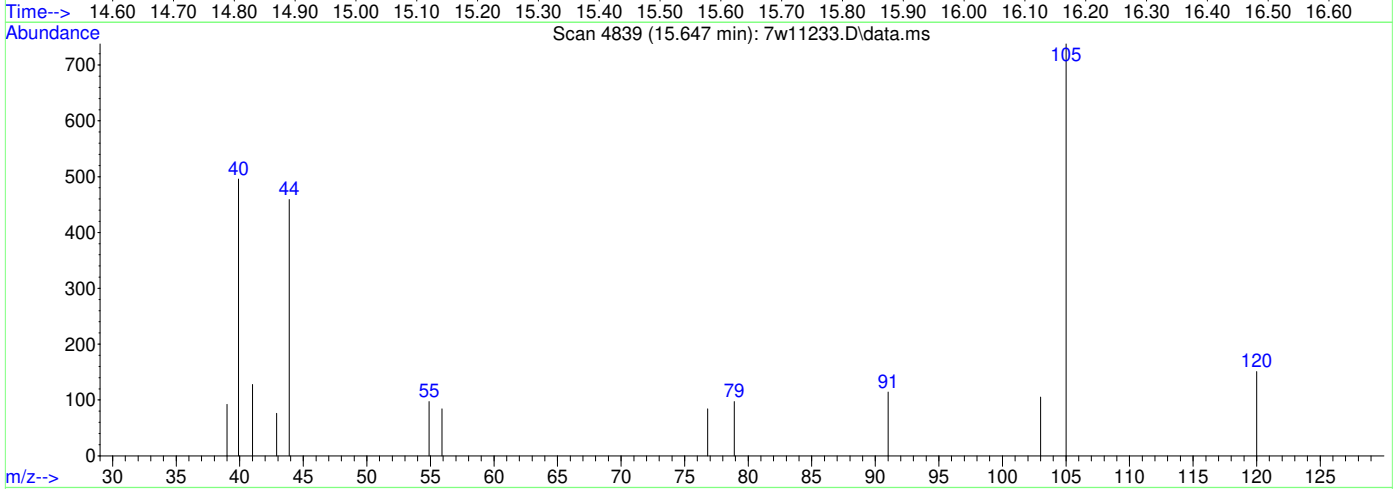
Ion	Exp%	Act%
105.10	100	100
120.10	30.10	45.68#
119.10	2.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.647min (+0.007) 0.03PPBV m

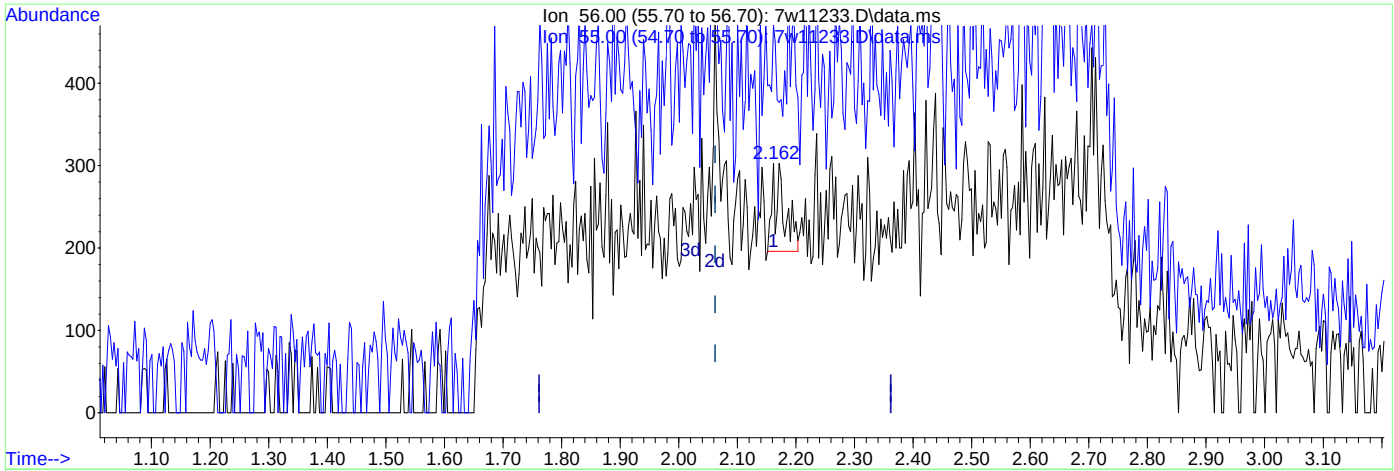
response 2316

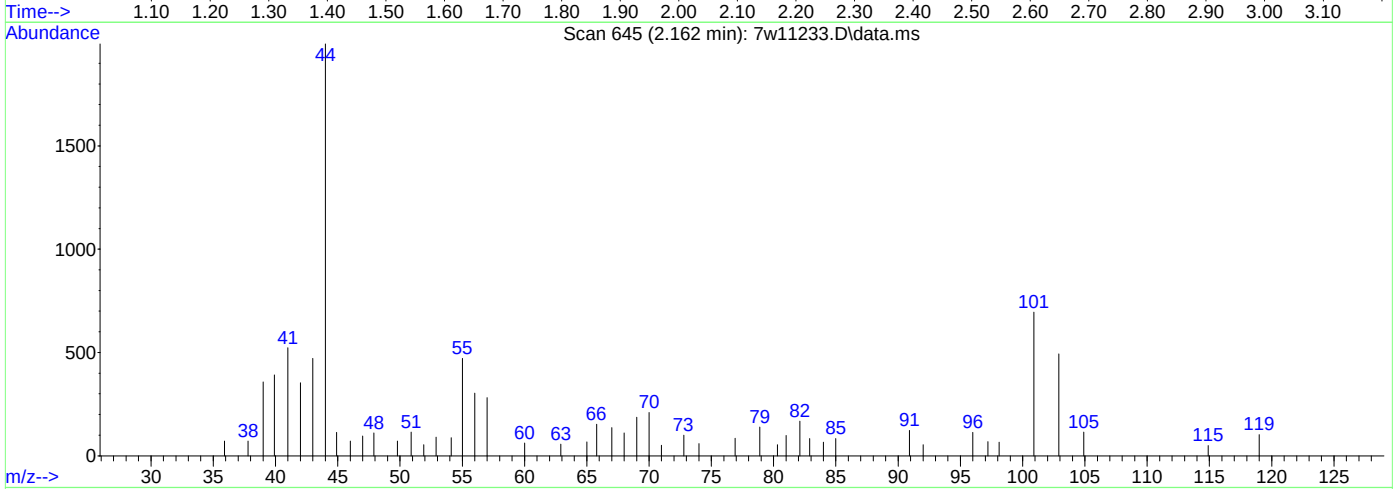
Ion	Exp%	Act%
105.10	100	100
120.10	30.10	24.22
119.10	2.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(18) ACROLEIN (T)

2.162min (+0.100) 0.03PPBV

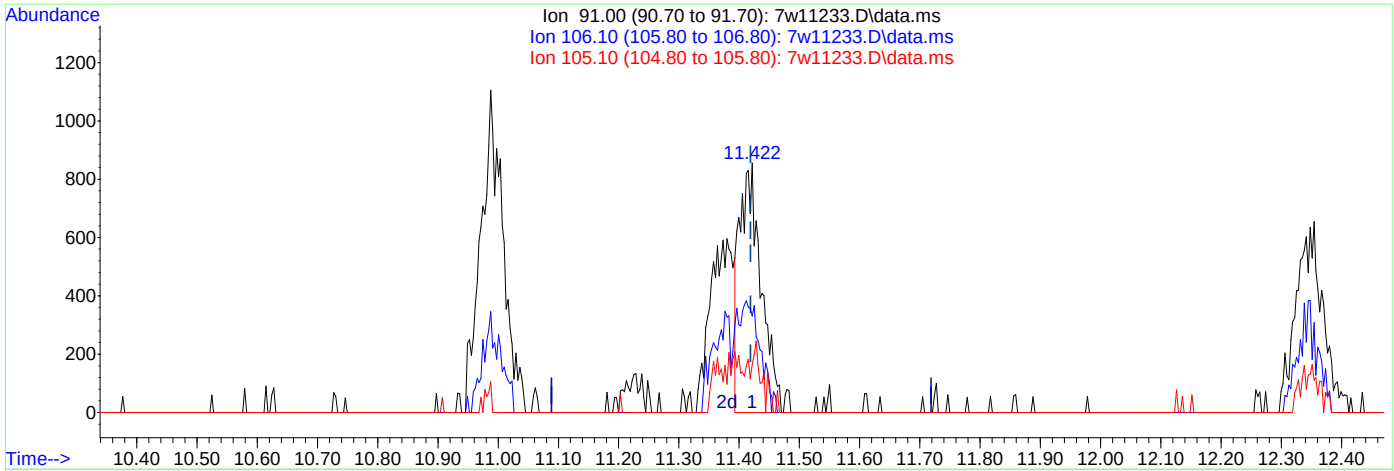
response 143

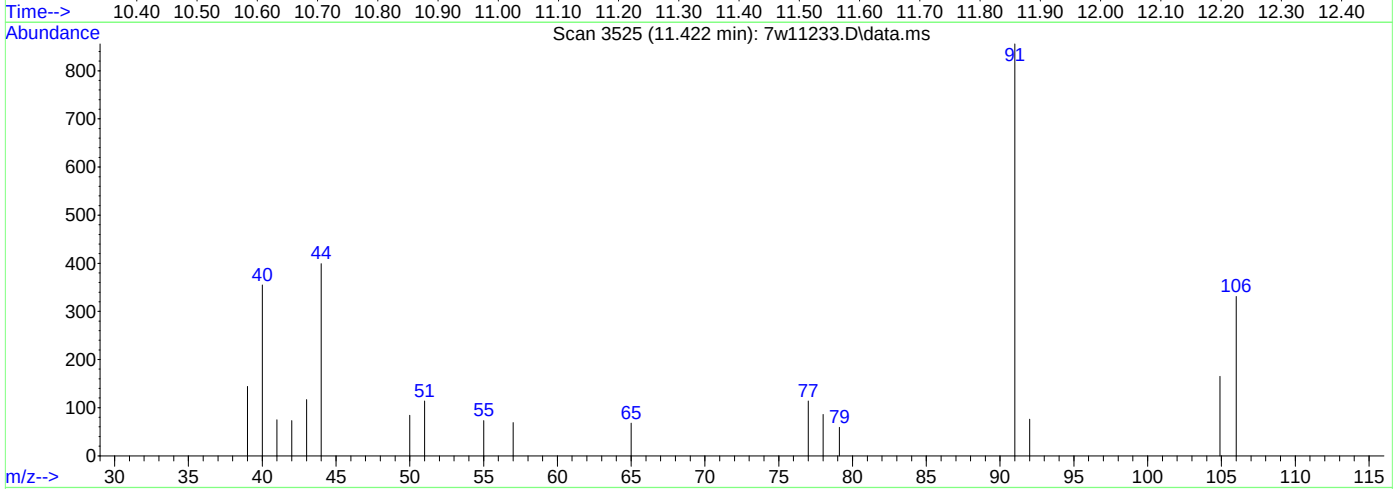
Ion	Exp%	Act%
56.00	100	100
55.00	71.80	65.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(80) M,P-XYLENE (t)

11.422min (+0.003) 0.04PPBV

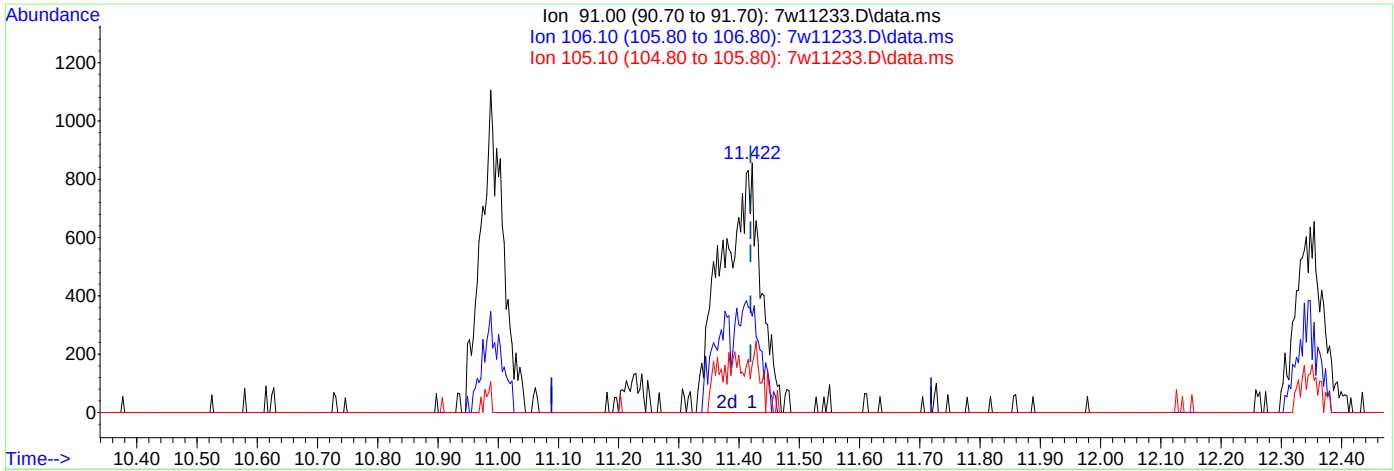
response 2127

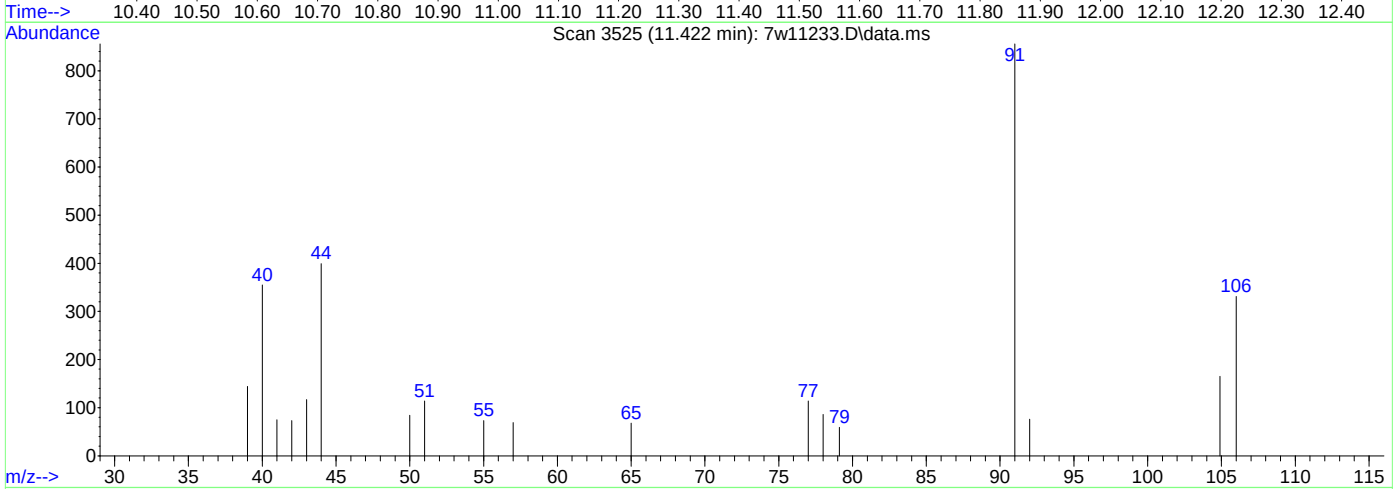
Ion	Exp%	Act%
91.00	100	100
106.10	25.50	50.49
105.10	11.70	12.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(80) M,P-XYLENE (t)

11.422min (+0.003) 0.08PPBV m

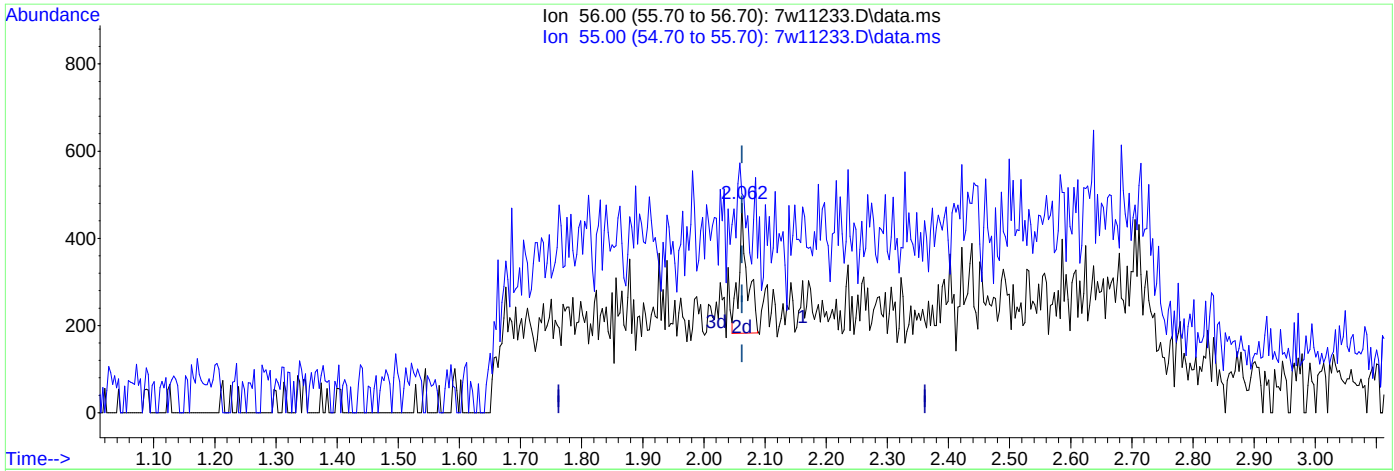
response 3729

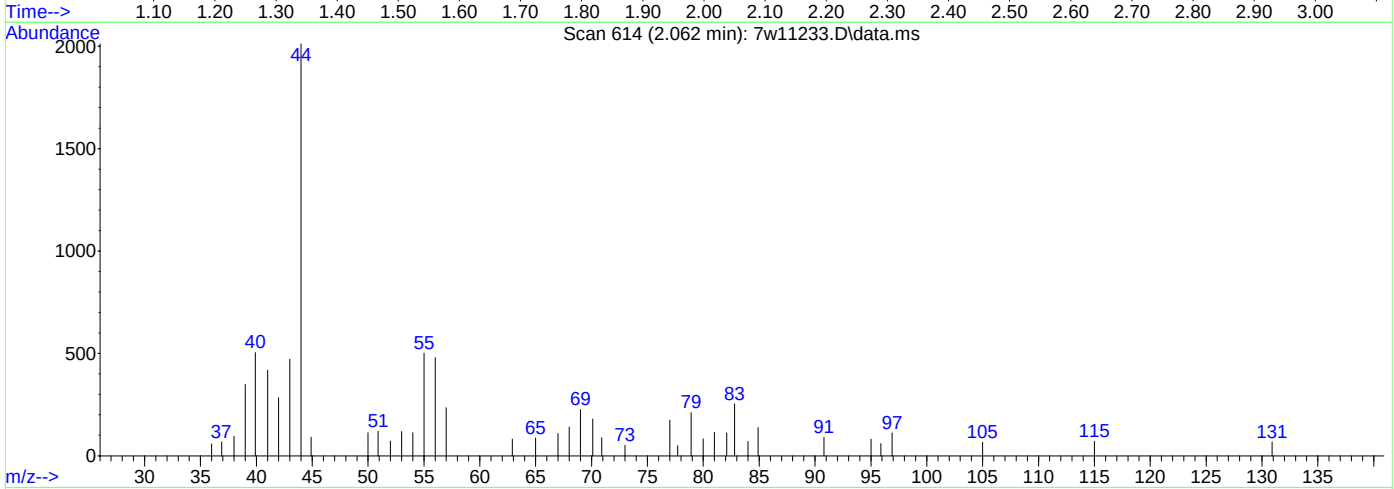
Ion	Exp%	Act%
91.00	100	100
106.10	25.50	28.80
105.10	11.70	7.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:34:06 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(18) ACROLEIN (T)

2.062min (-0.000) 0.05PPBV m

response 289

Ion	Exp%	Act%
56.00	100	100
55.00	71.80	32.18#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.223	128	133584	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.490	114	679369	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.030	117	626077	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.223	128	133584	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	448796	9.85	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.599	119	1552	0.14	PPBV		98
3) FREON 152A	1.628	65	700	0.11	PPBV		96
4) CHLORODIFLUOROMETHANE	1.641	67	367	0.11	PPBV	#	66
5) CHLOROTRIFLUOROETHENE	1.651	116	1669	0.11	PPBV		94
6) DICHLORODIFLUOROMETHANE	1.667	85	3743	0.11	PPBV		99
7) PROPYLENE	1.651	41	1091m	0.13	PPBV		
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	2788	0.11	PPBV	#	83
9) FREON 114	1.741	85	3060	0.11	PPBV		98
10) CHLOROMETHANE	1.712	52	455m	0.14	PPBV		
11) VINYL CHLORIDE	1.770	62	1144	0.10	PPBV		95
12) 1,3-BUTADIENE	1.811	54	1147	0.13	PPBV	#	68
13) N-BUTANE	1.827	43	1929m	0.12	PPBV		
14) BROMOMETHANE	1.885	94	1136	0.12	PPBV	#	83
15) CHLOROETHANE	1.930	64	691	0.12	PPBV	#	71
16) DICHLOROFLUOROMETHANE	1.956	67	2693	0.11	PPBV		94
17) ACETONITRILE	2.027	41	1548	0.15	PPBV	#	84
18) ACROLEIN	2.065	56	638m	0.12	PPBV		
19) FREON 123	2.078	83	3192	0.13	PPBV		87
20) FREON 123A	2.091	117	2008	0.13	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.159	101	3264	0.11	PPBV	#	92
22) ISOPROPYL ALCOHOL	2.188	45	3122	0.13	PPBV	#	76
23) ACETONE	2.110	58	1248m	0.19	PPBV		
24) PENTANE	2.271	42	1433m	0.12	PPBV		
25) IODOMETHANE	2.332	142	3029	0.11	PPBV		97
26) 1,1-DICHLOROETHYLENE	2.361	96	1516	0.14	PPBV		79
27) CARBON DISULFIDE	2.493	76	3182	0.11	PPBV	#	63
28) ETHANOL	1.966	45	2393m	0.26	PPBV		
29) BROMOETHENE	2.033	106	1269	0.12	PPBV	#	84
30) ACRYLONITRILE	2.239	52	1573m	0.18	PPBV		
31) METHYLENE CHLORIDE	2.393	84	2203	0.21	PPBV		90
32) 3-CHLOROPROPENE	2.438	76	654	0.12	PPBV	#	87
33) FREON 113	2.490	151	1957	0.11	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	2.718	96	1459	0.13	PPBV		86
35) TERTIARY BUTYL ALCOHOL	2.397	59	3058	0.11	PPBV	#	78
36) METHYL TERTIARY BUTYL ...	2.831	73	3948	0.11	PPBV	#	70
37) TETRAHYDROFURAN	3.538	72	560	0.10	PPBV	#	65
38) HEXANE	3.271	57	2759	0.13	PPBV		96
39) VINYL ACETATE	2.863	86	397	0.12	PPBV	#	83
40) 1,1-DICHLOROETHANE	2.789	63	2465	0.11	PPBV	#	86
41) METHYL ETHYL KETONE	2.966	72	741	0.12	PPBV	#	92
42) CIS-1,2-DICHLOROETHENE	3.146	96	1475	0.12	PPBV		91
43) DIISOPROPYL ETHER	3.287	59	769	0.13	PPBV		81
44) ETHYL ACETATE	3.297	61	485	0.11	PPBV		95
45) METHYL ACRYLATE	3.278	55	2955	0.12	PPBV	#	99
46) CHLOROFORM	3.297	83	2743	0.11	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.782	57	2893	0.12	PPBV		93
48) 1,1,1-TRICHLOROETHANE	3.863	97	2969	0.11	PPBV		97
49) CARBON TETRACHLORIDE	4.278	117	2520	0.09	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.699	62	2071	0.11	PPBV		96
51) BENZENE	4.175	78	4275	0.12	PPBV		97
53) CYCLOHEXANE	4.377	84	1762	0.11	PPBV	#	73
54) 2,3-DIMETHYLPENTANE	4.628	71	937	0.11	PPBV		75
55) TRICHLOROETHENE	5.059	95	1922	0.11	PPBV		93
56) 1,2-DICHLOROPROPANE	4.827	63	1621	0.11	PPBV		97
57) DIBROMOMETHANE	4.782	174	1996	0.13	PPBV		95
58) ETHYL ACRYLATE	4.959	55	3251	0.10	PPBV	#	88
59) BROMODICHLOROMETHANE	5.004	83	2919	0.10	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	5.159	57	7579	0.12	PPBV		94
61) 1,4-DIOXANE	5.175	88	1055m	0.10	PPBV		
62) HEPTANE	5.464	43	2843	0.12	PPBV		92
63) METHYL METHACRYLATE	5.371	69	1757	0.12	PPBV		96
64) METHYL ISOBUTYL KETONE	6.130	58	1493	0.11	PPBV		81
65) CIS-1,3-DICHLOROPROPENE	5.988	75	2419	0.10	PPBV		81
66) TOLUENE	7.181	91	5488	0.12	PPBV		100
67) 1,3-DICHLOROPROPANE	7.242	76	2335	0.10	PPBV		94
68) TRANS-1,3-DICHLOROPROPENE	6.663	75	2255	0.10	PPBV	#	73
69) 1,1,2-TRICHLOROETHANE	6.818	83	1420	0.11	PPBV		98
70) 2-HEXANONE	7.802	58	2003	0.09	PPBV		97
71) ETHYL METHACRYLATE	7.901	69	2835	0.11	PPBV		93
72) TETRACHLOROETHENE	8.914	164	2049	0.11	PPBV		96
73) DIBROMOCHLOROMETHANE	7.724	129	2795	0.10	PPBV		98
74) 1,2-DIBROMOETHANE	8.046	107	2657	0.11	PPBV	#	100
75) OCTANE	9.056	43	3709	0.11	PPBV		94
77) 1,1,1,2-TETRACHLOROETHANE	10.113	131	2293	0.11	PPBV		99
78) CHLOROBENZENE	10.100	112	3912	0.10	PPBV		94
79) ETHYLBENZENE	10.991	91	7070	0.12	PPBV		99
80) M,P-XYLENE	11.377	91	11272	0.23	PPBV		99
81) O-XYLENE	12.335	91	5714	0.12	PPBV		86
82) STYRENE	12.133	104	3697	0.10	PPBV		97
83) NONANE	13.457	43	3560	0.11	PPBV		93
84) BROMOFORM	11.226	173	2476	0.10	PPBV	#	92
85) 1,1,2,2-TETRACHLOROETHANE	12.354	83	3566	0.11	PPBV		94
86) 1,2,3-TRICHLOROPROPANE	12.650	75	2613	0.10	PPBV	#	99
88) ISOPROPYLBENZENE	13.853	120	1951	0.10	PPBV	#	75
89) BROMOBENZENE	13.724	77	3729	0.11	PPBV		94
90) 2-CHLOROTOLUENE	14.849	126	1777	0.10	PPBV		96
91) N-PROPYLBENZENE	15.200	120	1935	0.10	PPBV	#	79
92) 4-ETHYLTOLUENE	15.637	105	7213	0.10	PPBV	#	98
93) 1,3,5-TRIMETHYLBENZENE	15.911	105	6007	0.10	PPBV		95
94) ALPHA-METHYLSTYRENE	16.216	118	2749	0.09	PPBV		95
95) TERT-BUTYLBENZENE	16.528	134	1442	0.10	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.531	105	6050	0.10	PPBV		99
97) BENZYL CHLORIDE	16.624	91	4378	0.08	PPBV		98
98) M-DICHLOROBENZENE	16.599	146	3860	0.09	PPBV		98
99) P-DICHLOROBENZENE	16.689	146	4056	0.10	PPBV		98
100) O-DICHLOROBENZENE	17.010	146	3850	0.10	PPBV		97
101) SEC-BUTYLBENZENE	16.840	134	1712	0.10	PPBV		85
102) 1,2,3-TRIMETHYLBENZENE	16.956	105	5886	0.10	PPBV		98
103) P-ISOPROPYLTOLUENE	17.033	134	1960	0.10	PPBV		100
104) N-BUTYLBENZENE	17.393	134	1820	0.09	PPBV		93
105) HEXACHLOROETHANE	17.573	117	2186	0.09	PPBV		96
106) HEXACHLOROBUTADIENE	18.631	225	2717	0.10	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	18.322	180	2419	0.07	PPBV		96
108) NAPHTHALENE	18.370	128	5107	0.07	PPBV		97
110) TVHC as equiv Pentane	2.271	TIC	6736m	0.12	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

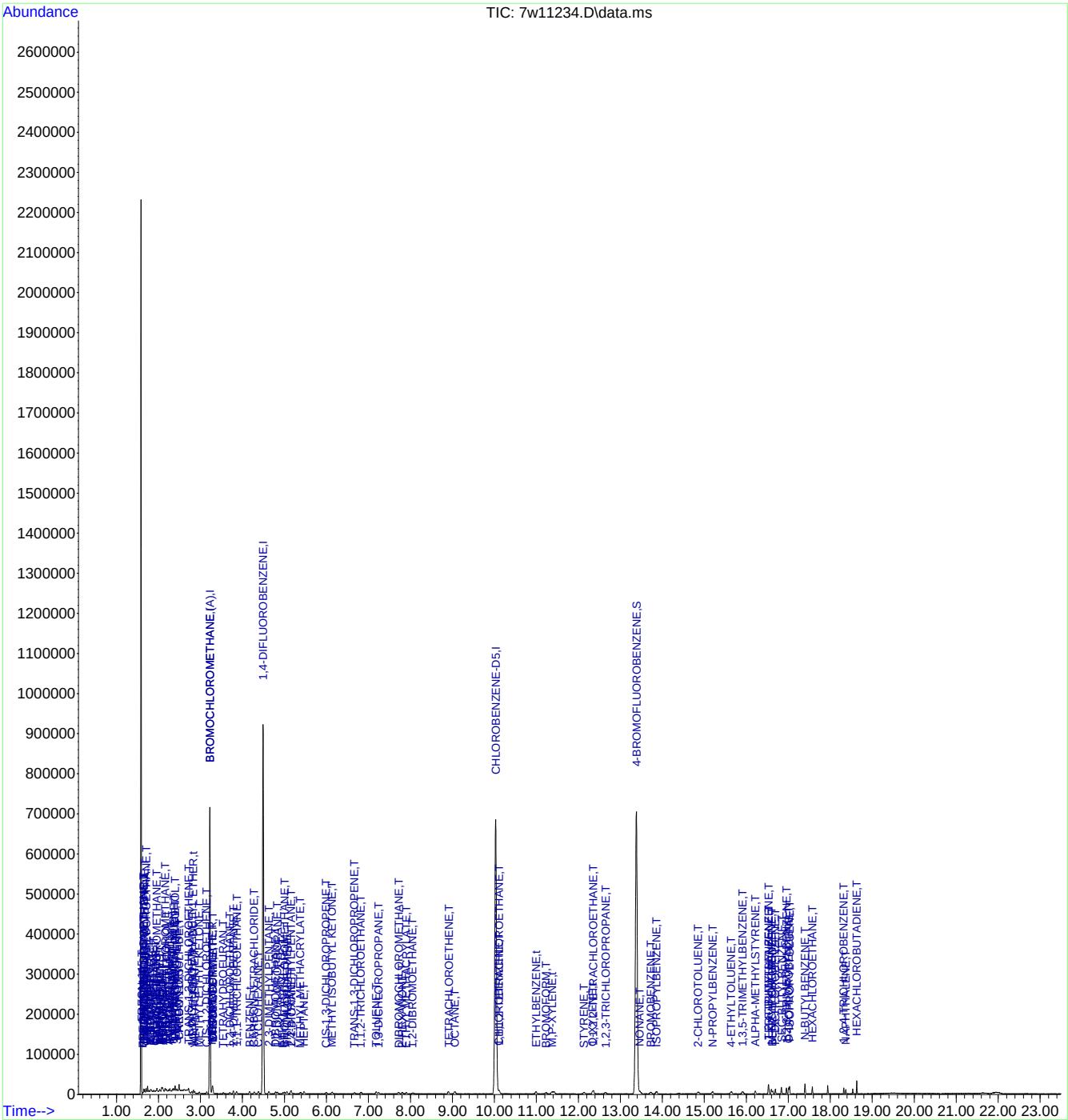
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration



Manual Integration Approval Summary

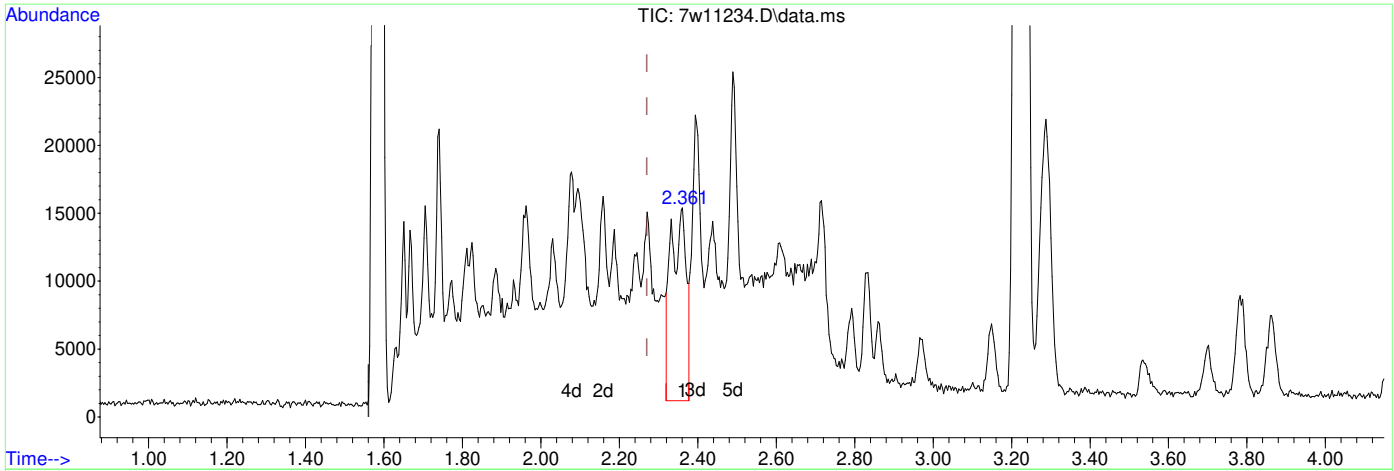
Sample Number: V7W405-IC405 **Method:** TO-15
Lab FileID: 7W11234.D **Analyst approved:** 12/30/24 00:11 Kanya Veerawat
Injection Time: 12/28/24 09:53 **Supervisor approved:** 12/30/24 00:15 Kanya Veerawat

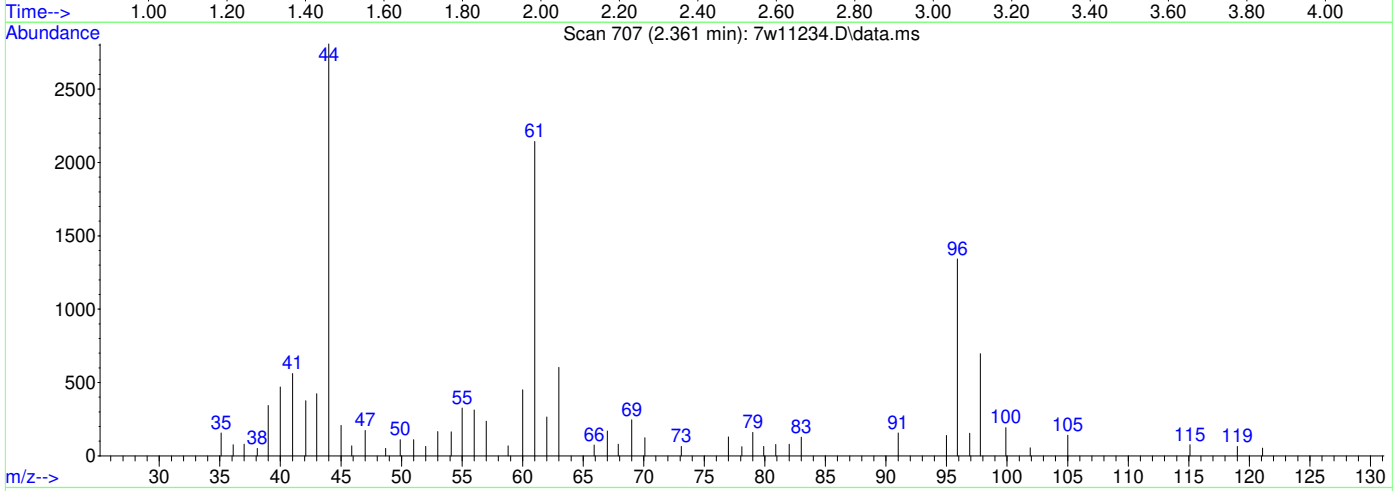
Parameter	CAS	Sig#	R.T. (min.)	Reason
Propylene	115-07-1		1.65	Missed peak
Chloromethane	74-87-3		1.71	Poor instrument integration
n-Butane	106-97-8		1.83	Poor instrument integration
Ethanol	64-17-5		1.97	Poor instrument integration
Acrolein	107-02-8		2.07	Poor instrument integration
Acetone (2-Propanone)	67-64-1		2.11	Poor instrument integration
Acrylonitrile	107-13-1		2.24	Poor instrument integration
Pentane	109-66-0		2.27	Poor instrument integration
TVHC As Equiv Pentane			2.27	Missed peak
1,4-Dioxane	123-91-1		5.17	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:53:04 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(110) TVHC as equiv Pentane

2.361min (+0.090) 0.68PPBV

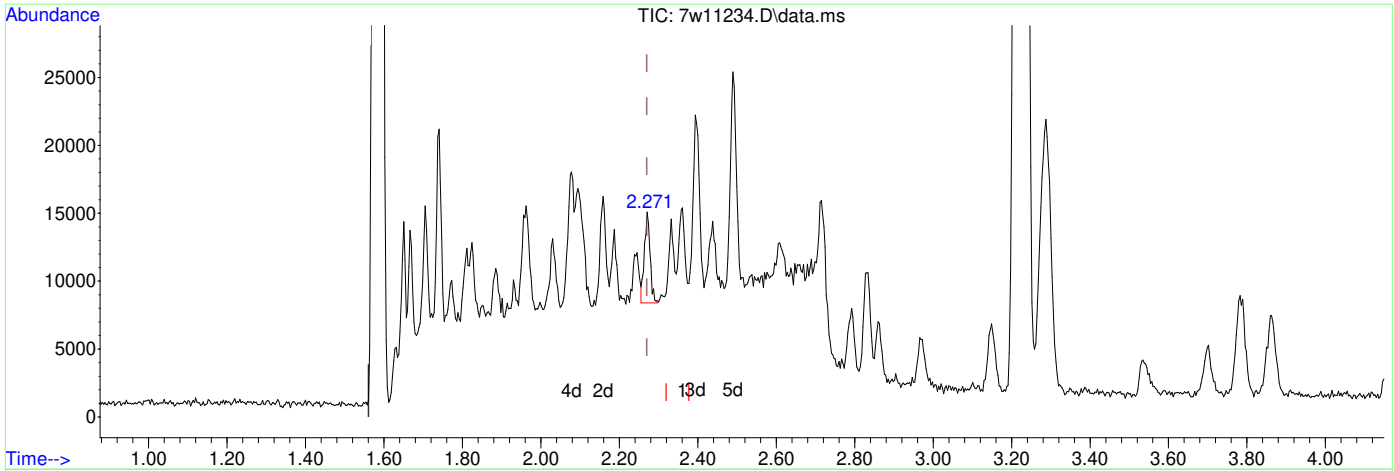
response 38161

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:53:04 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration



TIC: 7w11234.D\data.ms

(110) TVHC as equiv Pentane

2.271min (+0.000) 0.12PPBV m

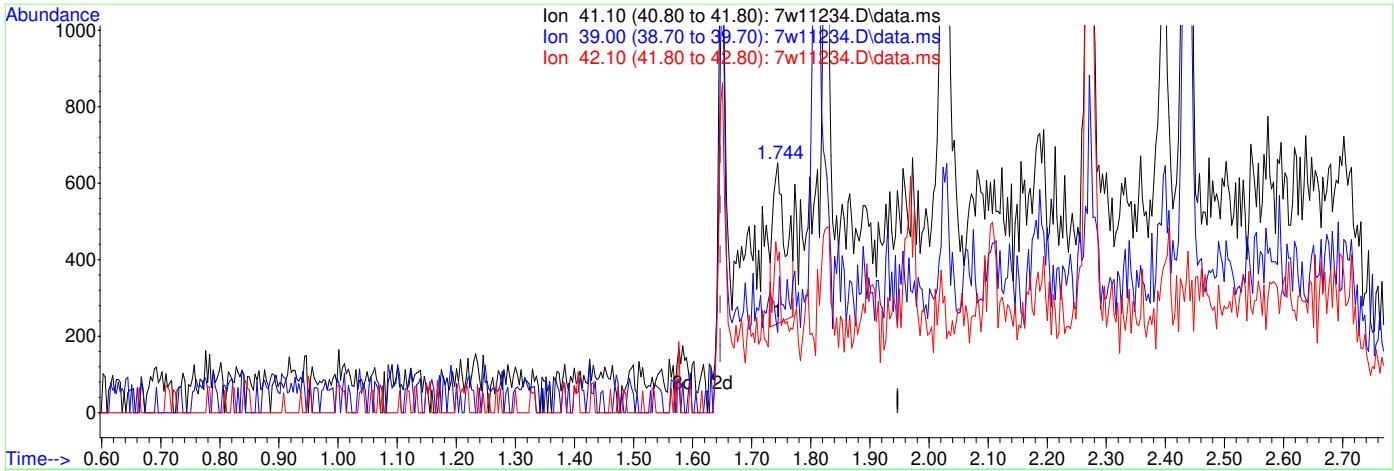
response 6736

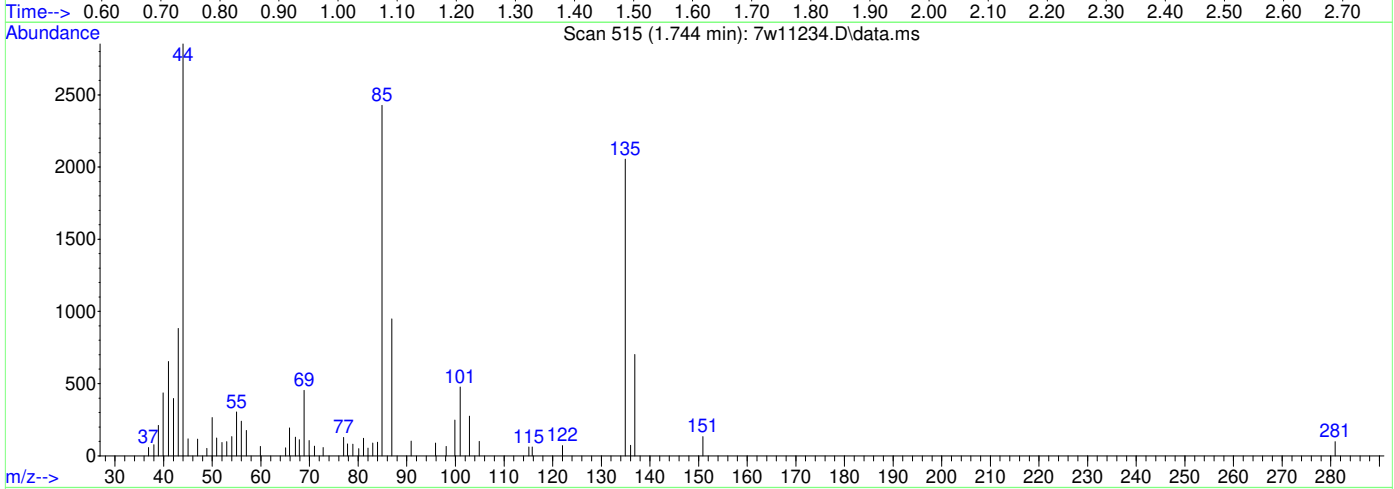
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(7) PROPYLENE (T)

1.744min (+0.097) 0.08PPBV

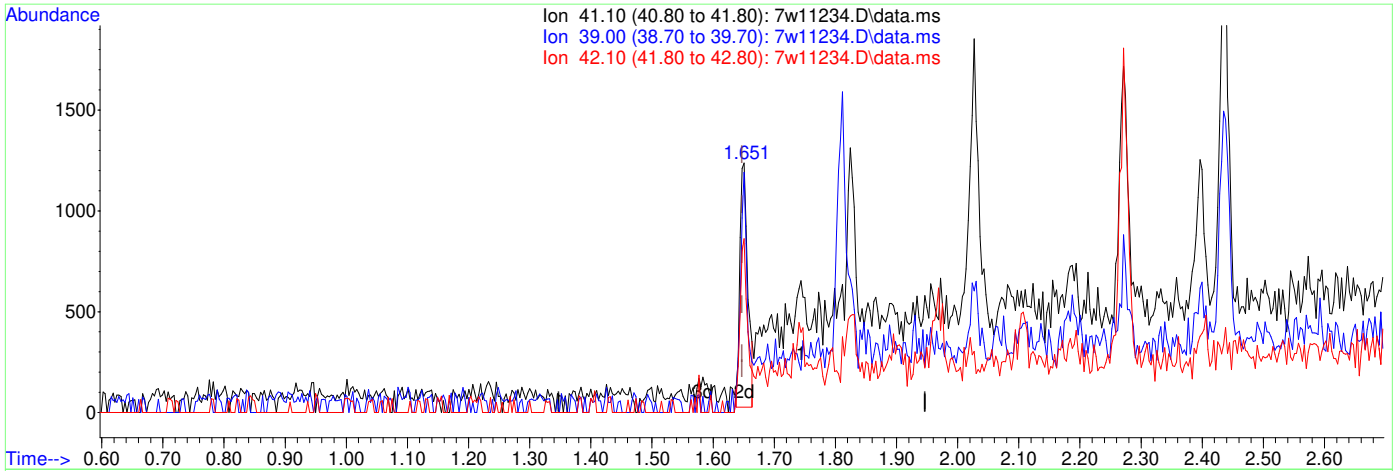
response 624

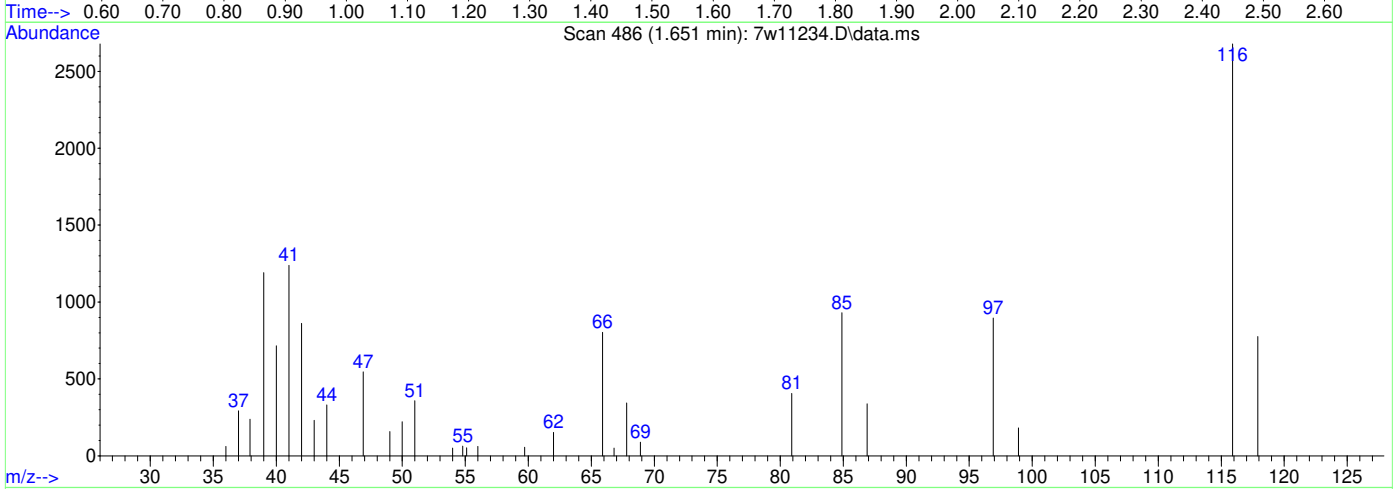
Ion	Exp%	Act%
41.10	100	100
39.00	75.60	60.74
42.10	66.60	82.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(7) PROPYLENE (T)

1.651min (+0.004) 0.13PPBV m

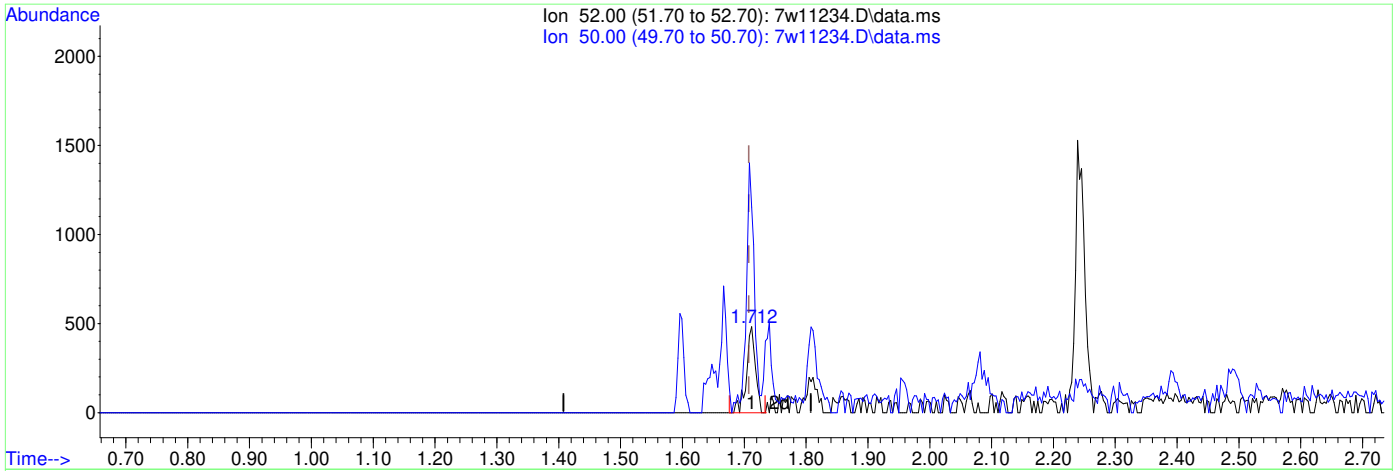
response 1091

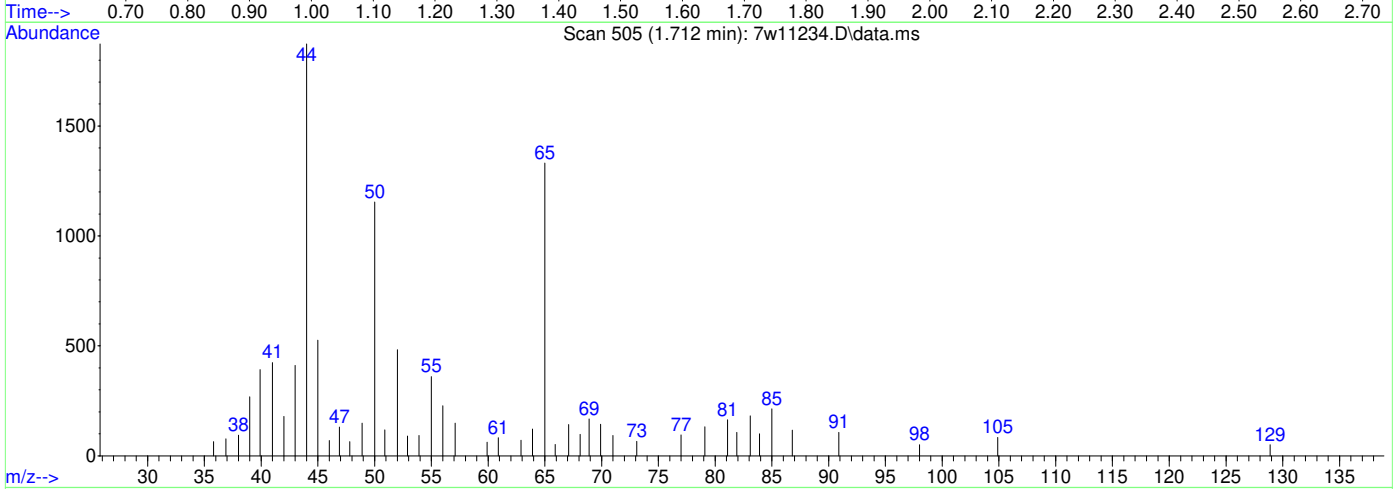
Ion	Exp%	Act%
41.10	100	100
39.00	75.60	34.74#
42.10	66.60	47.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(10) CHLOROMETHANE (T)

1.712min (+0.004) 0.15PPBV

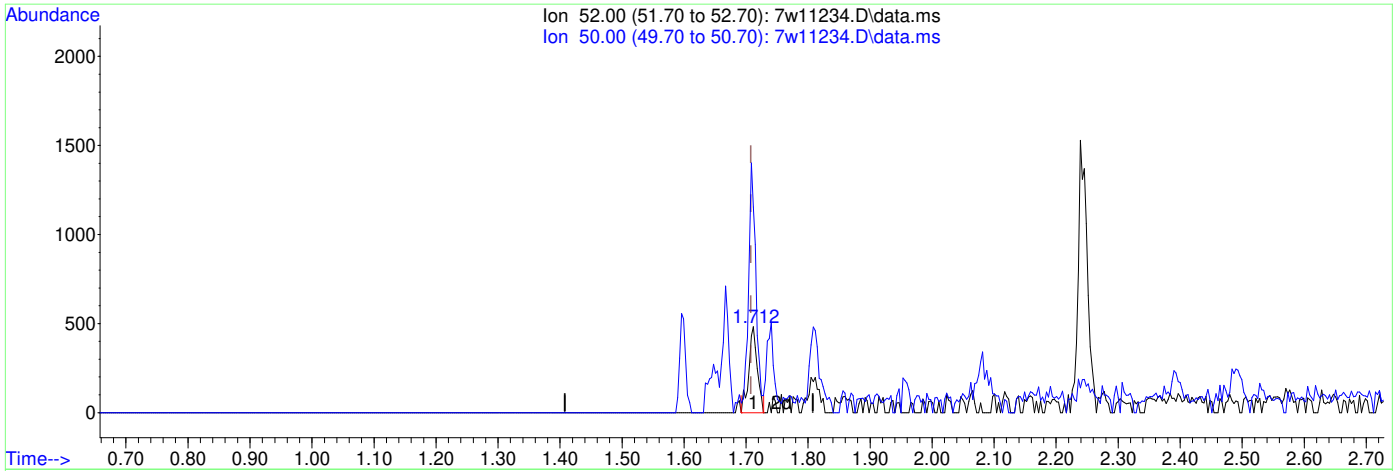
response 478

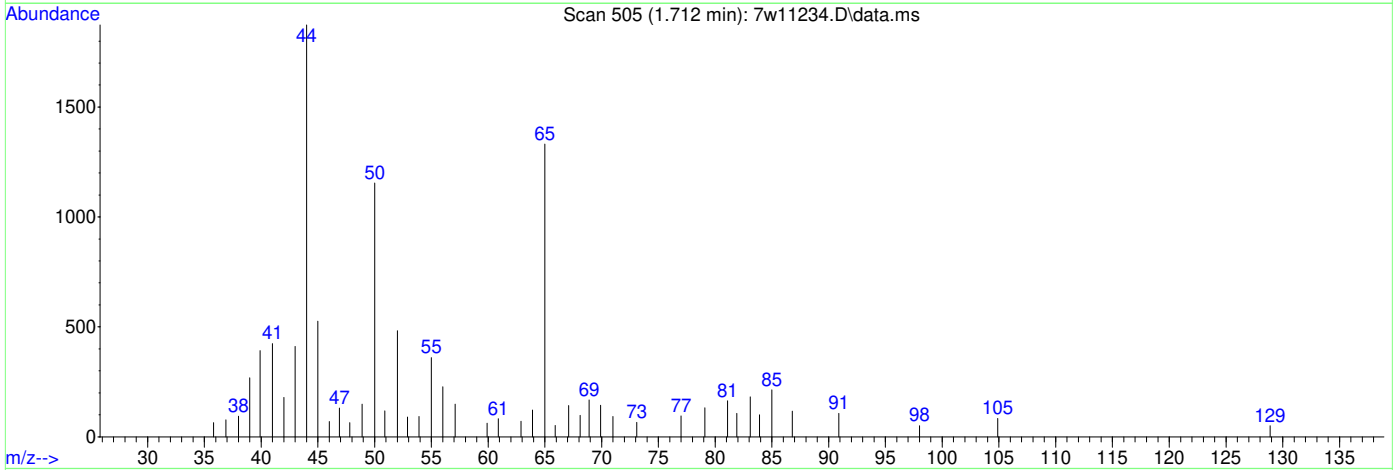
Ion	Exp%	Act%
52.00	100	100
50.00	314.50	235.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(10) CHLOROMETHANE (T)

1.712min (+0.004) 0.14PPBV m

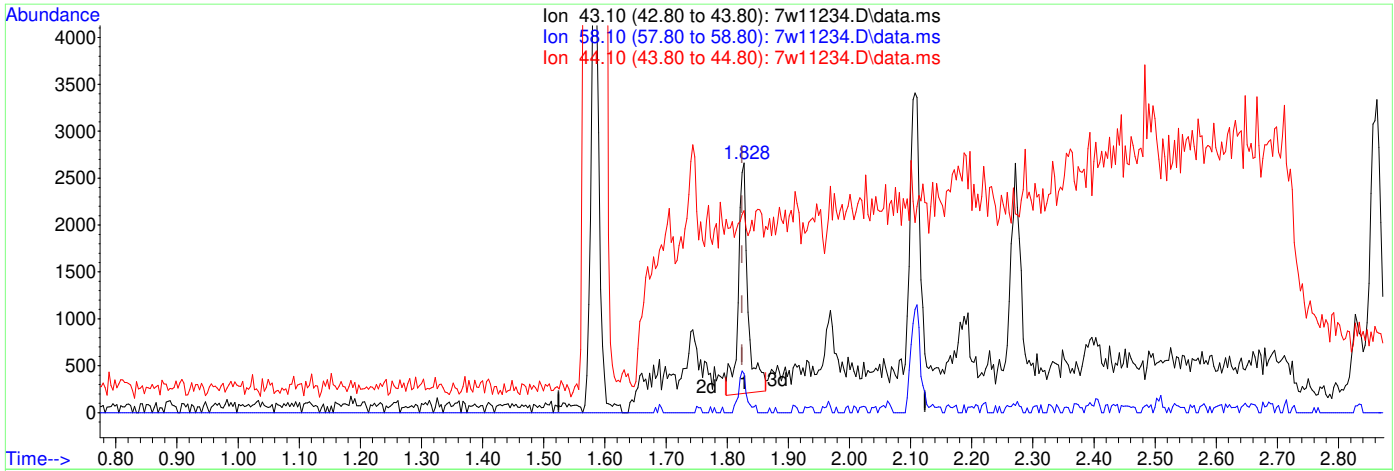
response 455

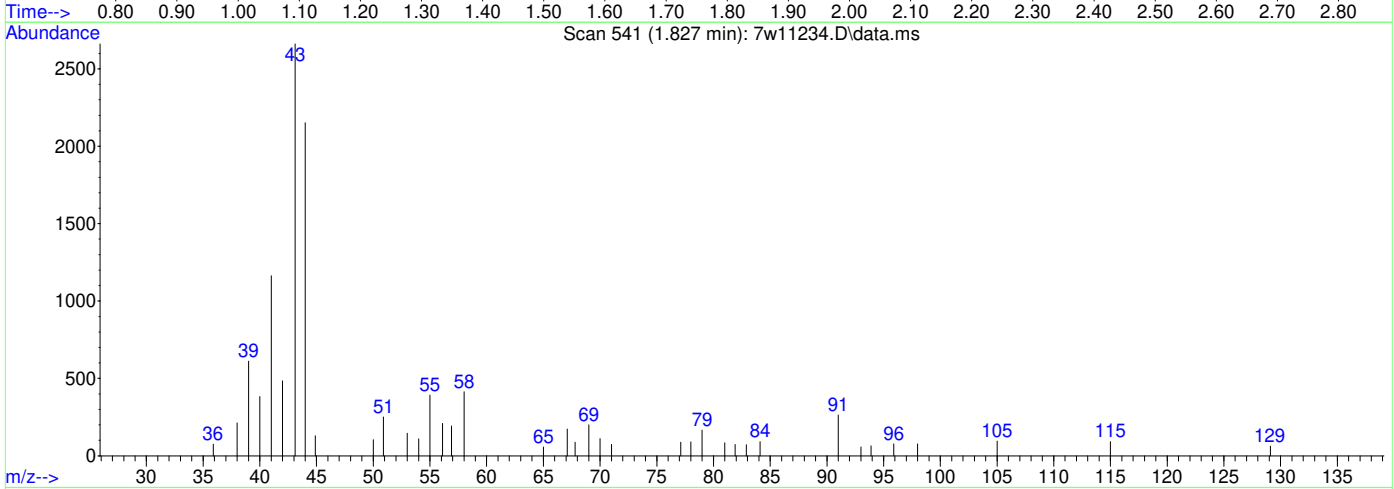
Ion	Exp%	Act%
52.00	100	100
50.00	314.50	247.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(13) N-BUTANE (T)

1.827min (+0.003) 0.16PPBV

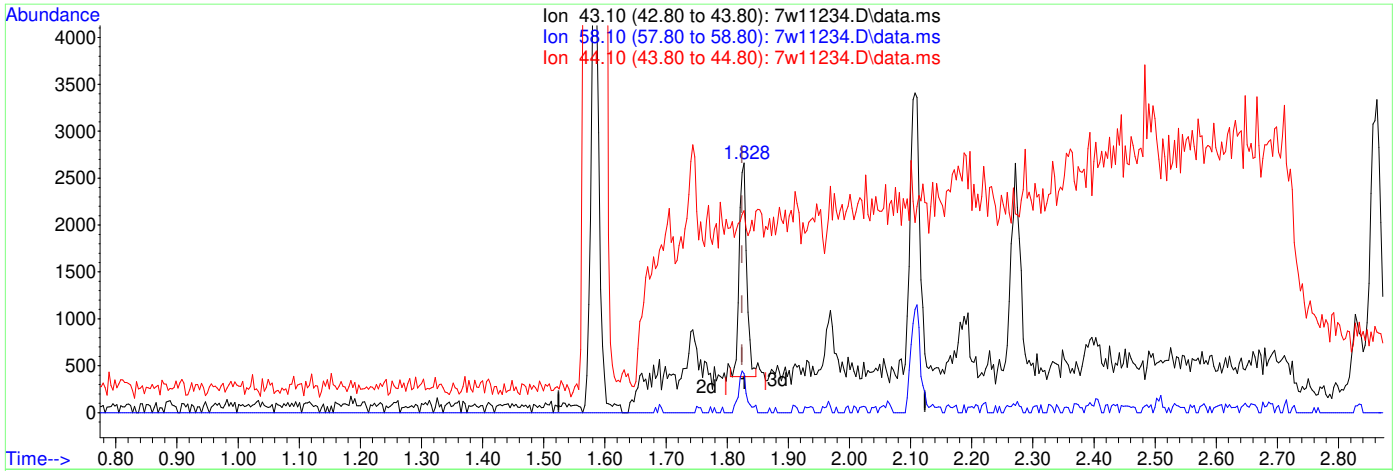
response 2700

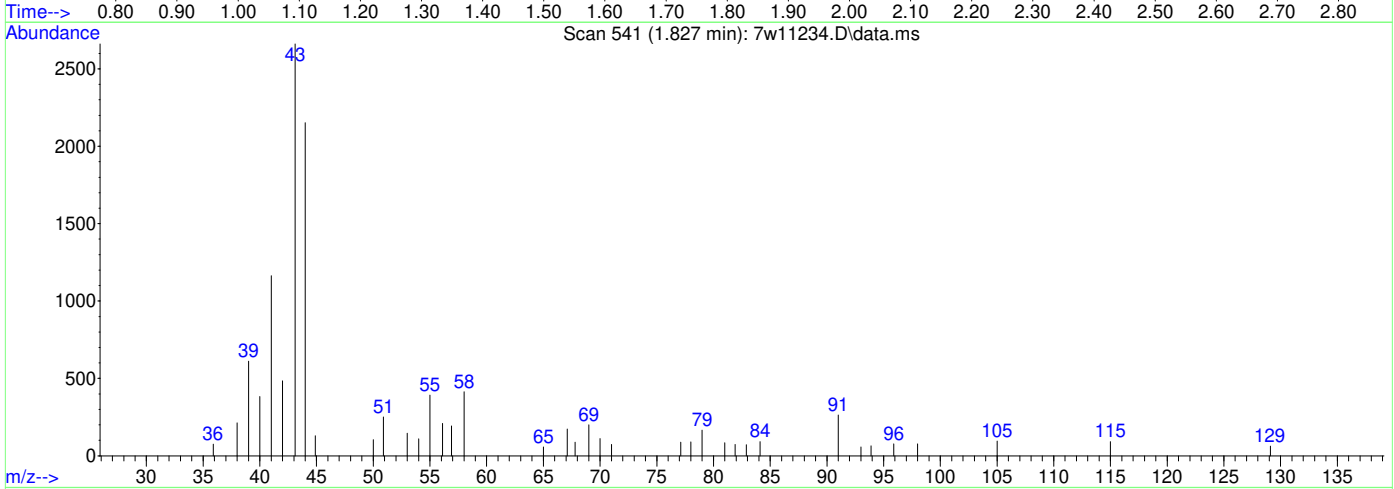
Ion	Exp%	Act%
43.10	100	100
58.10	14.80	15.67
44.10	4.30	58.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(13) N-BUTANE (T)

1.827min (+0.003) 0.12PPBV m

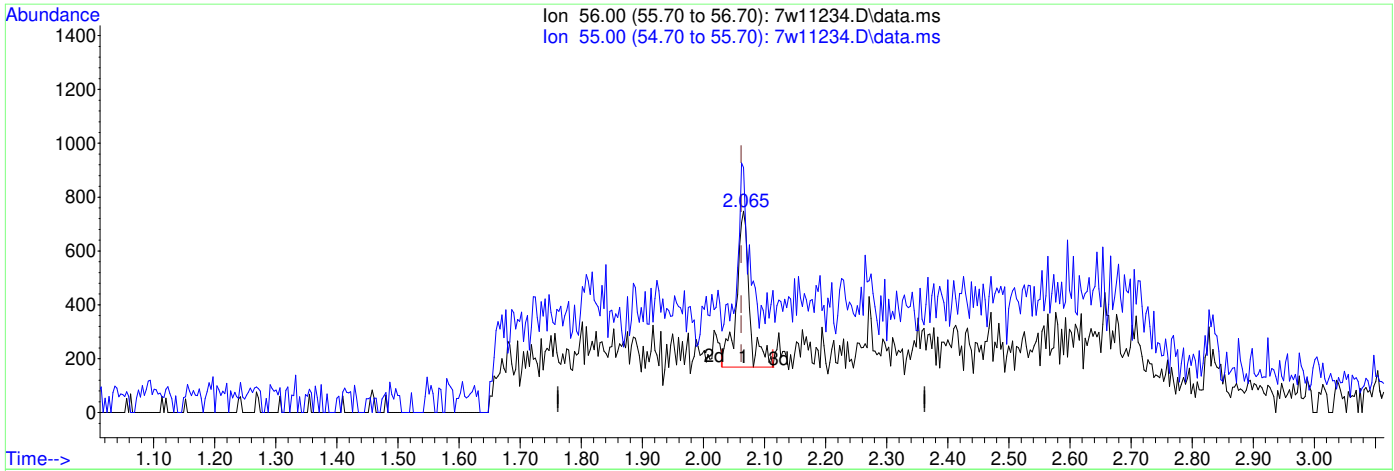
response 1929

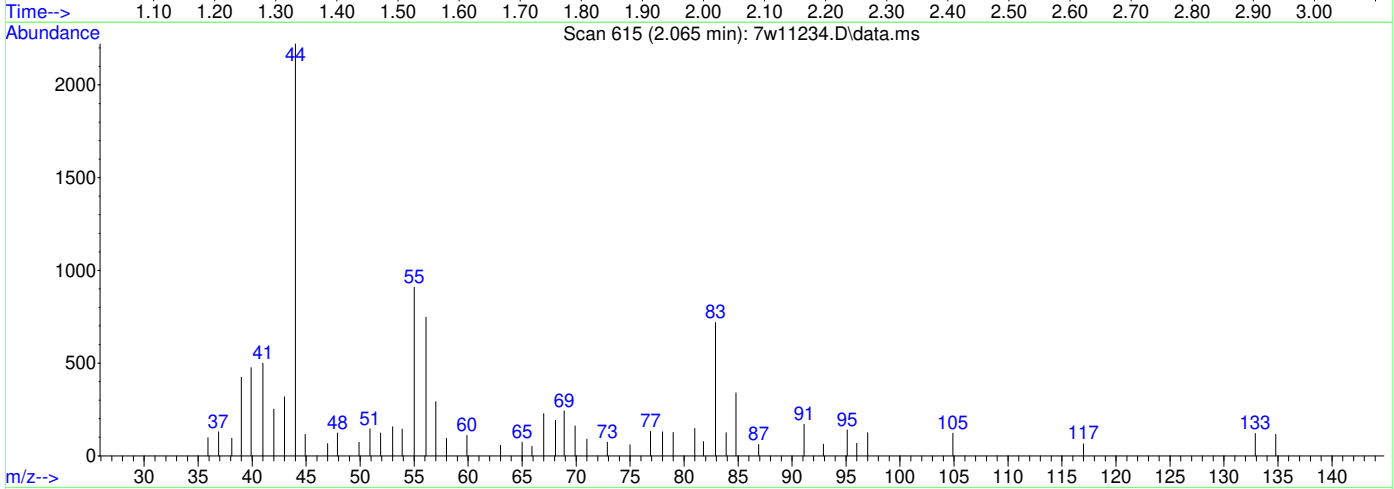
Ion	Exp%	Act%
43.10	100	100
58.10	14.80	21.93#
44.10	4.30	81.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(18) ACROLEIN (T)

2.065min (+0.003) 0.16PPBV

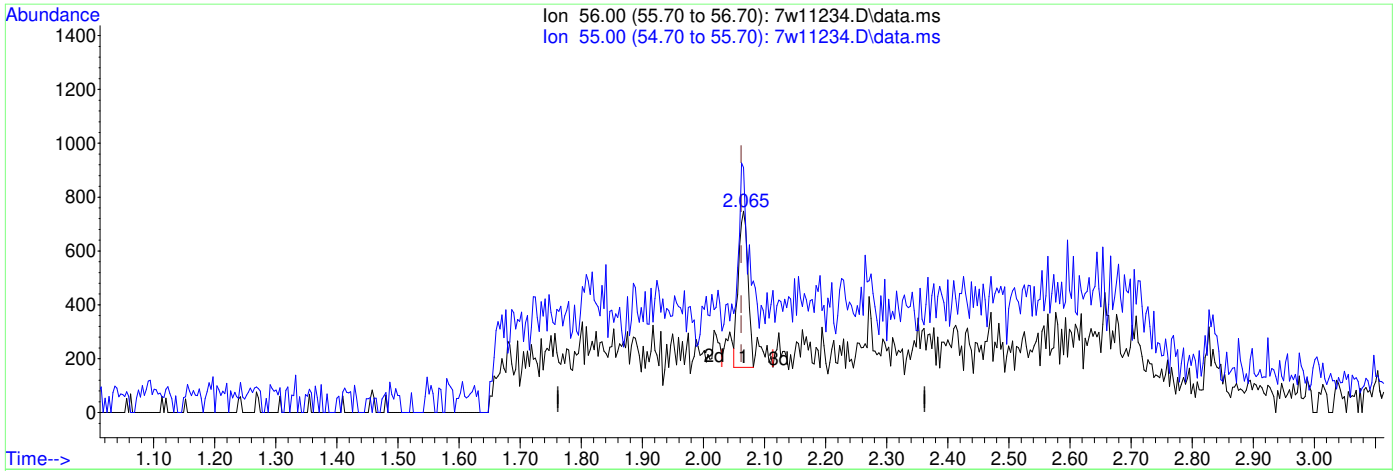
response 850

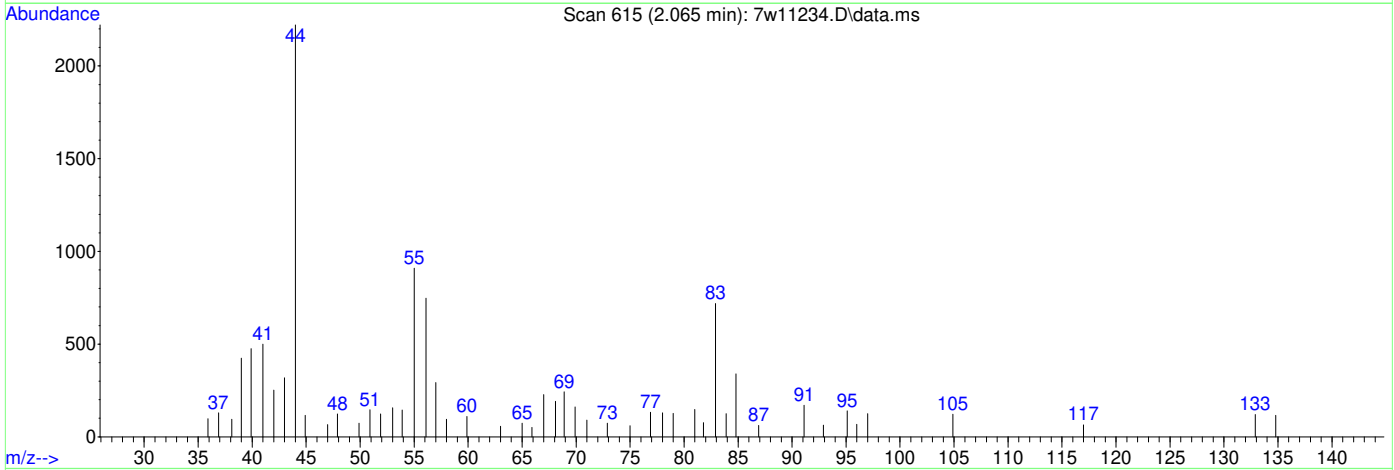
Ion	Exp%	Act%
56.00	100	100
55.00	71.80	99.76#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(18) ACROLEIN (T)

2.065min (+0.003) 0.12PPBV m

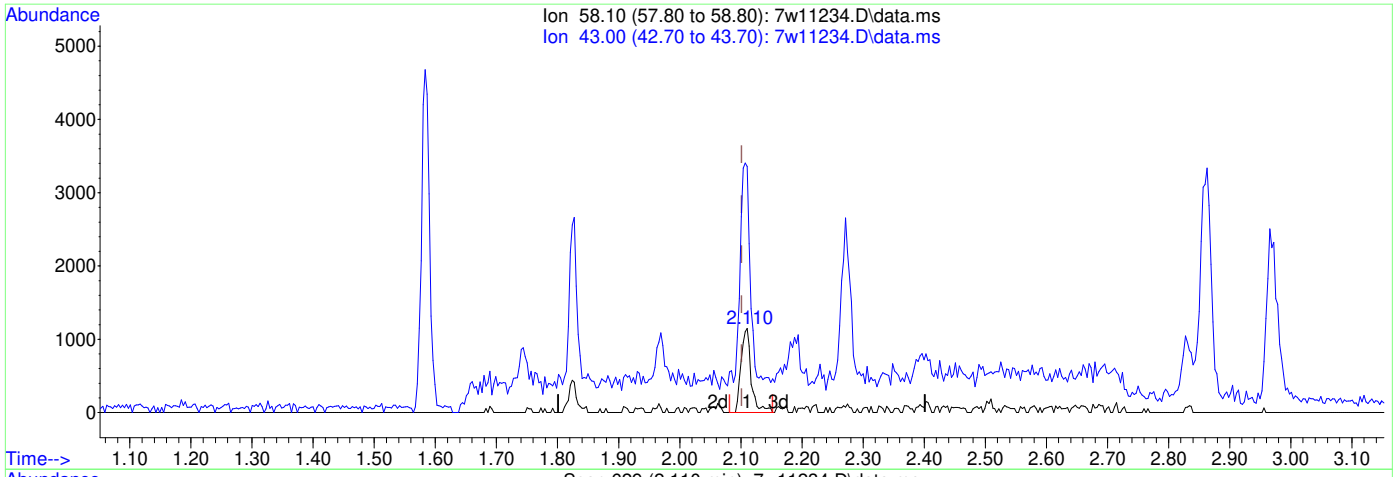
response 638

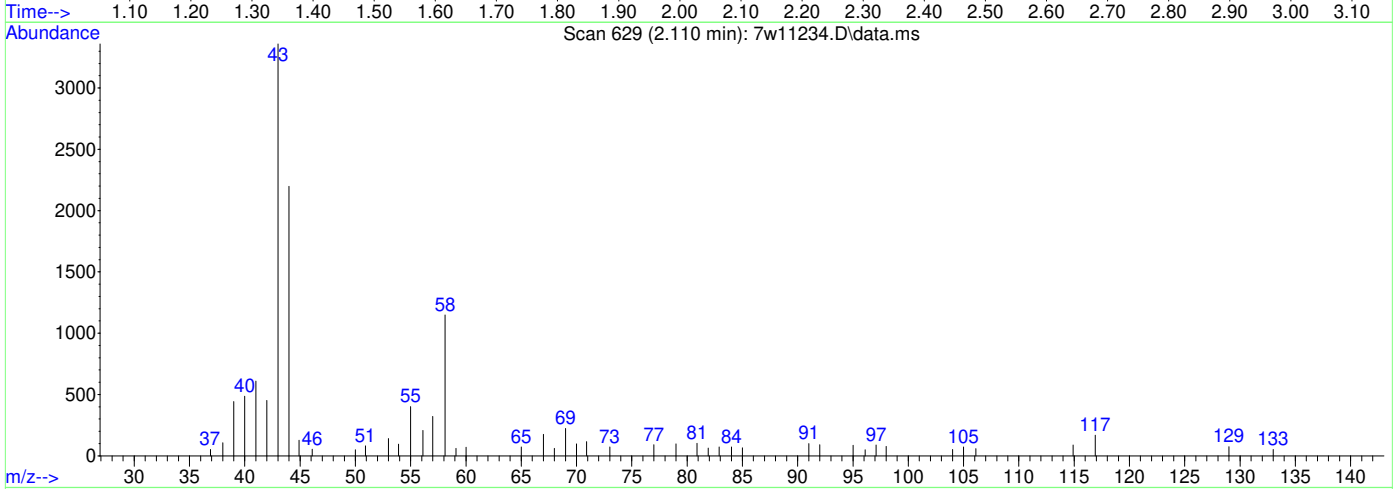
Ion	Exp%	Act%
56.00	100	100
55.00	71.80	132.92#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(23) ACETONE (T)

2.110min (+0.009) 0.20PPBV

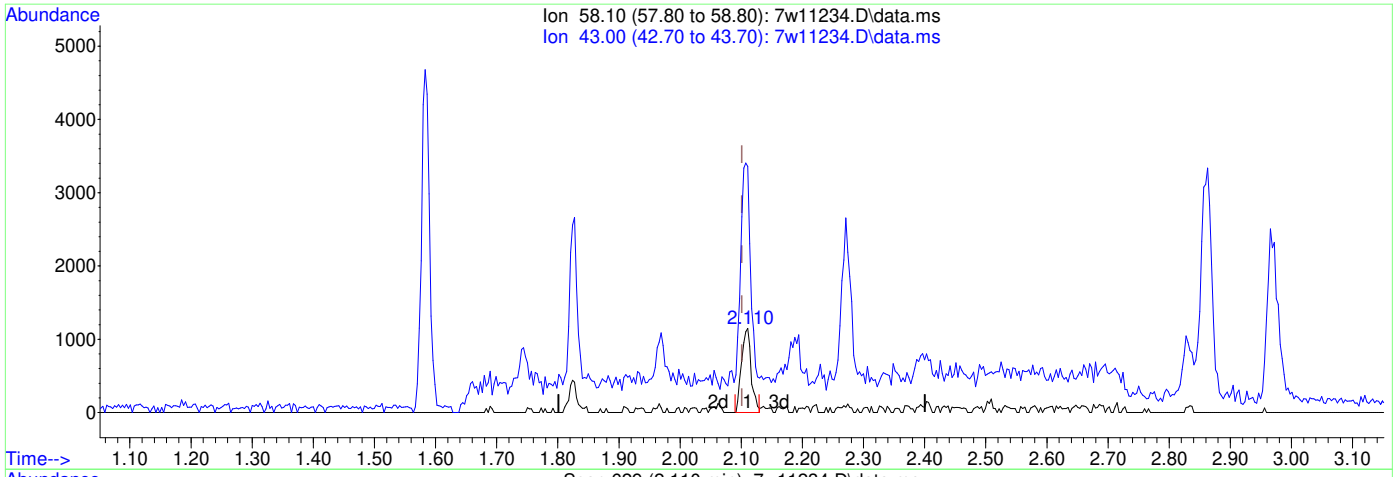
response 1323

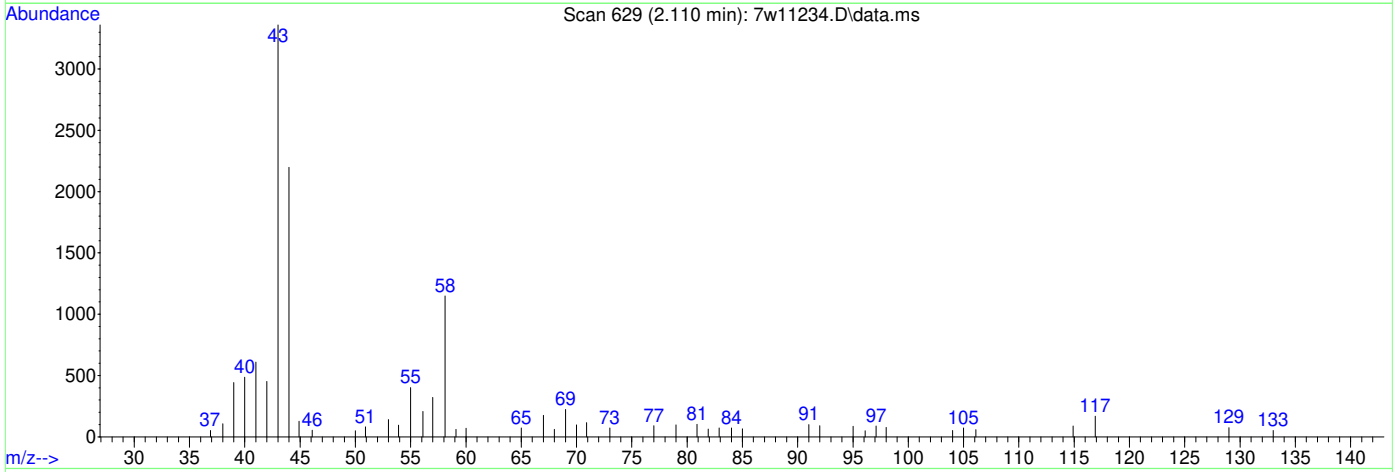
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	261.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(23) ACETONE (T)

2.110min (+0.009) 0.19PPBV m

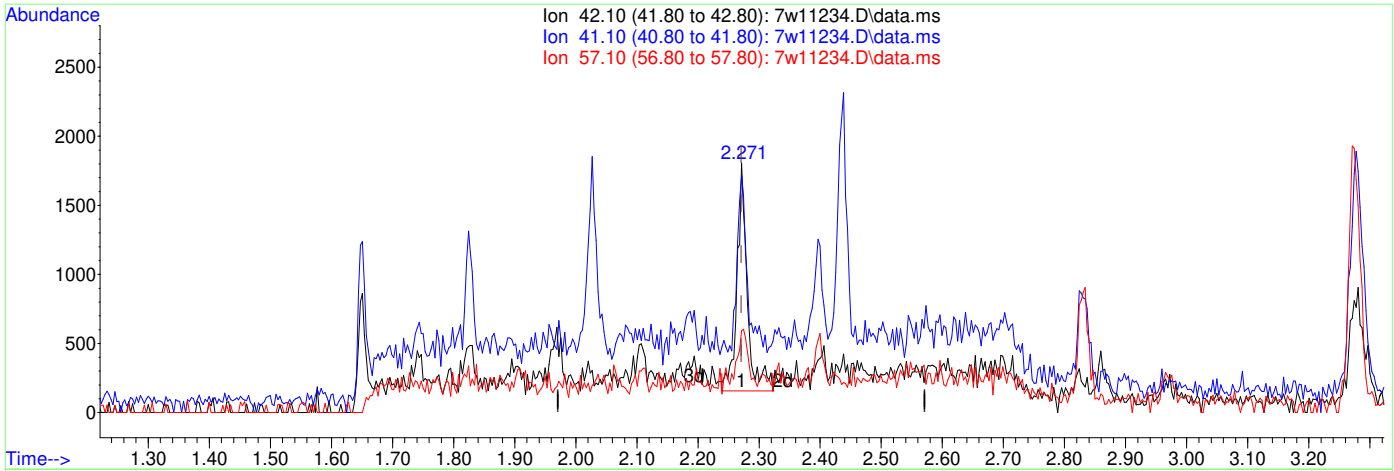
response 1248

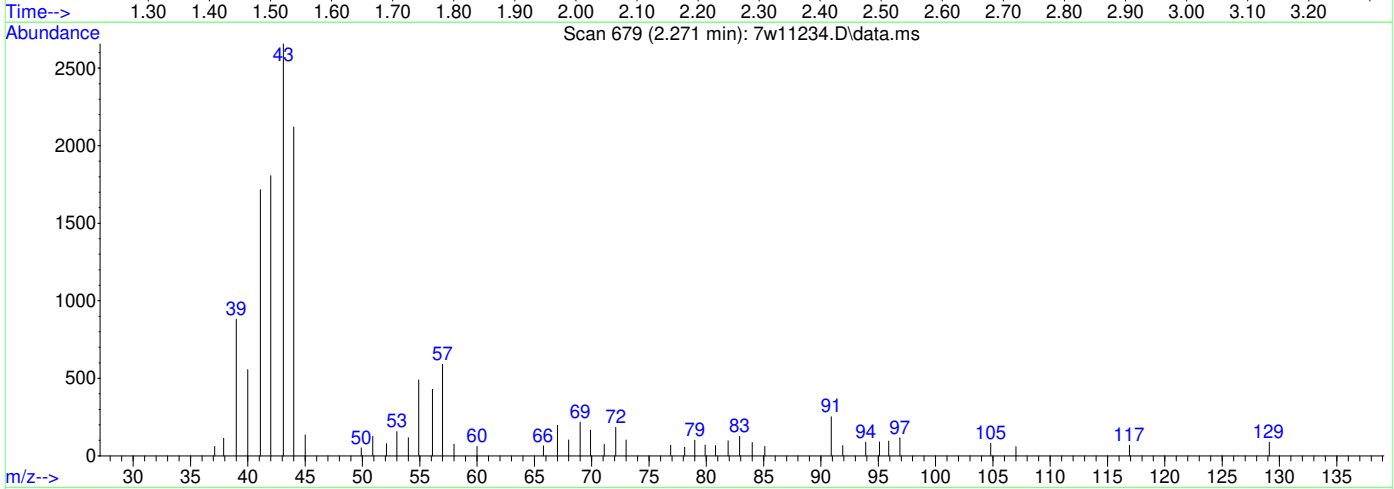
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	277.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(24) PENTANE (T)

2.271min (+0.000) 0.17PPBV

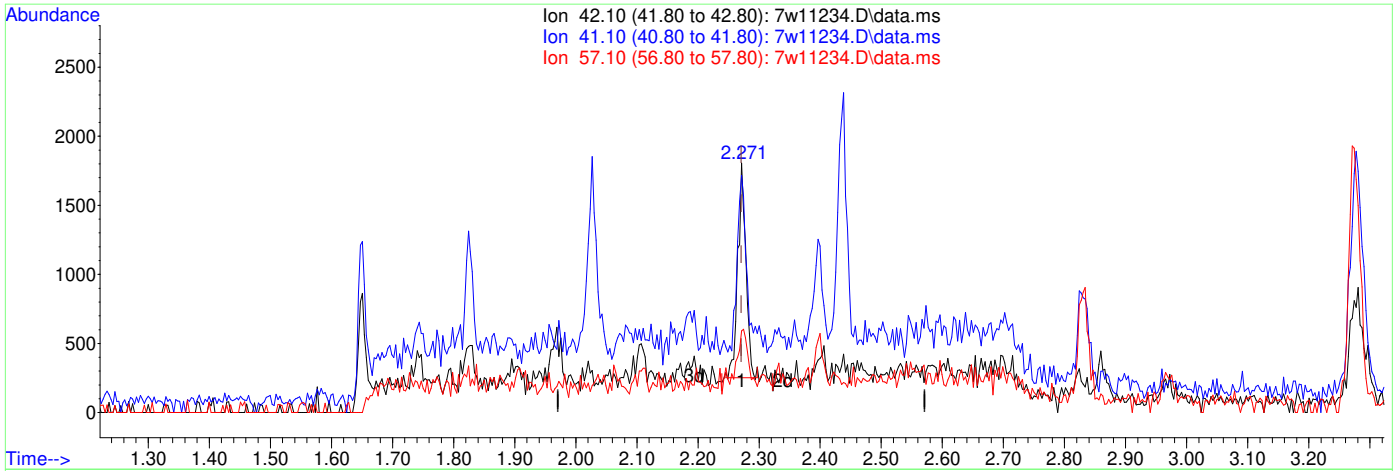
response 1928

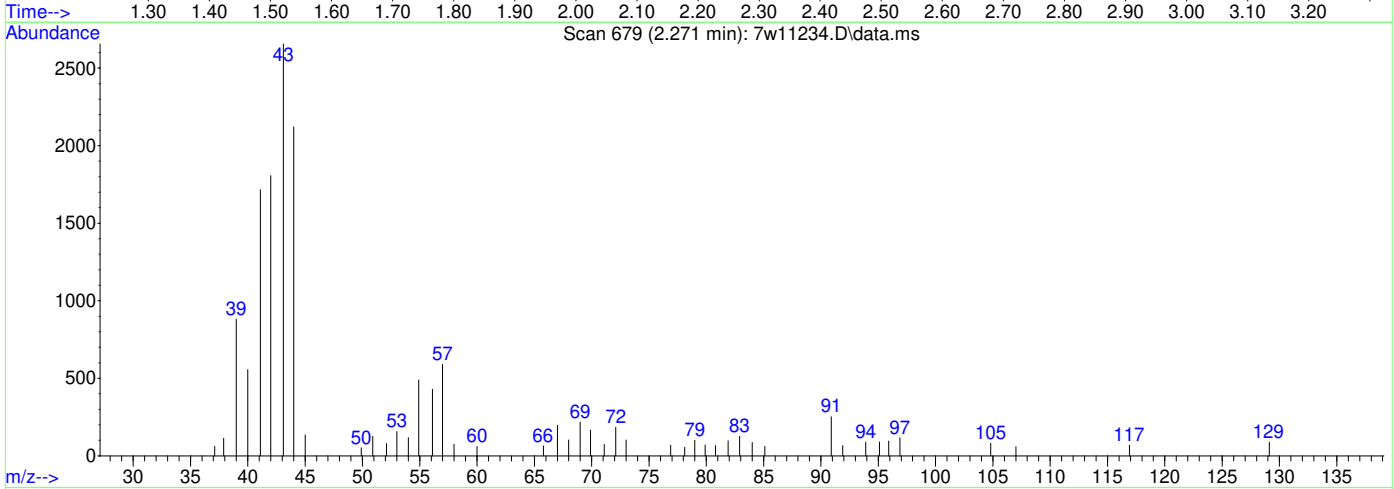
Ion	Exp%	Act%
42.10	100	100
41.10	92.50	84.23
57.10	28.20	33.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(24) PENTANE (T)

2.271min (+0.000) 0.12PPBV m

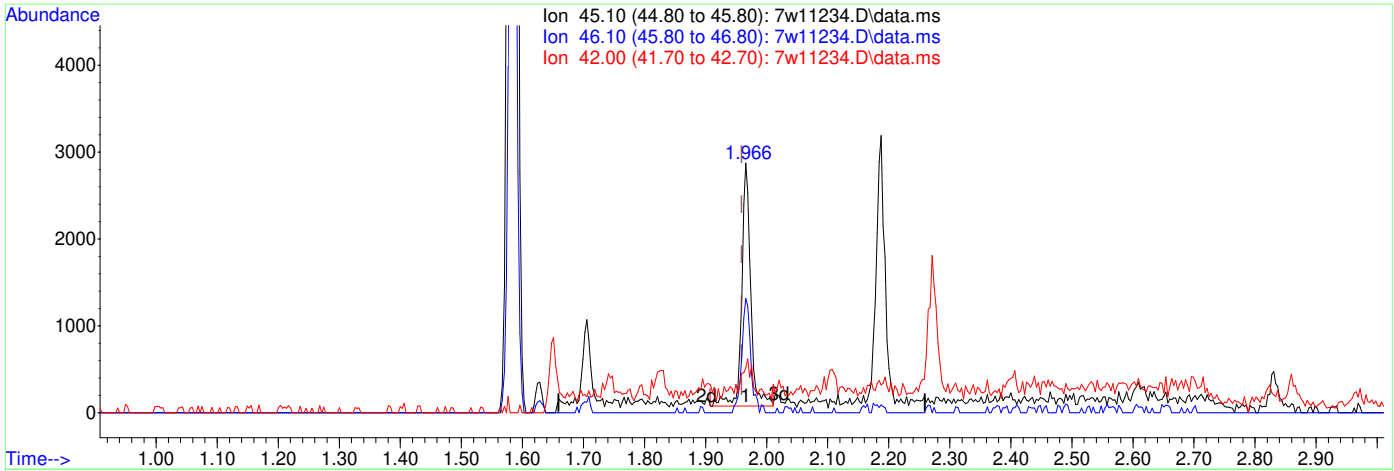
response 1433

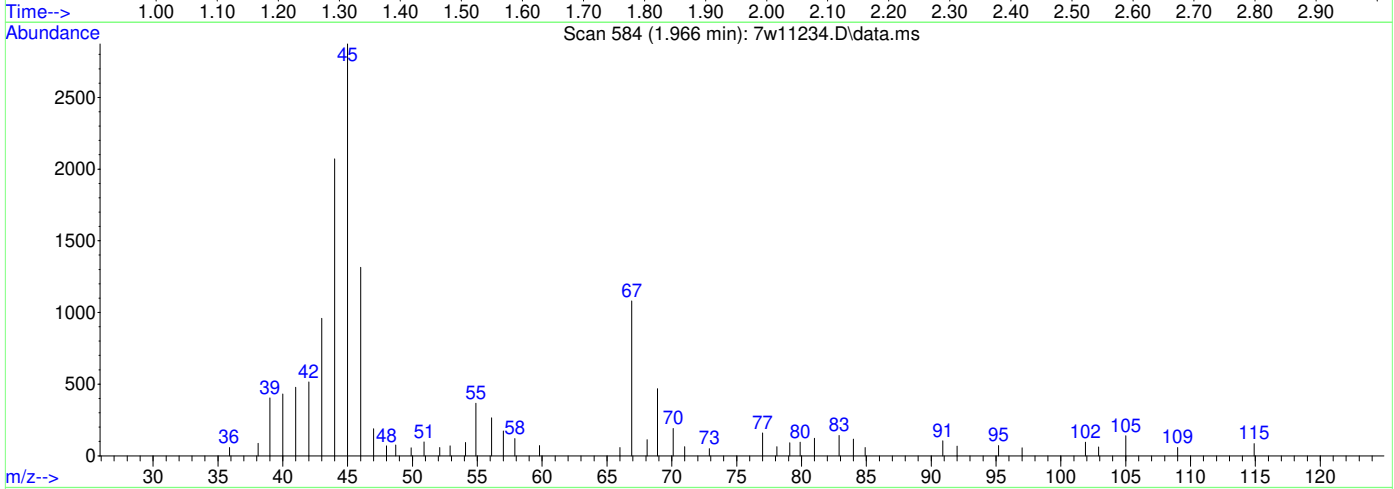
Ion	Exp%	Act%
42.10	100	100
41.10	92.50	113.33
57.10	28.20	45.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(28) ETHANOL (T)

1.966min (+0.007) 0.31PPBV

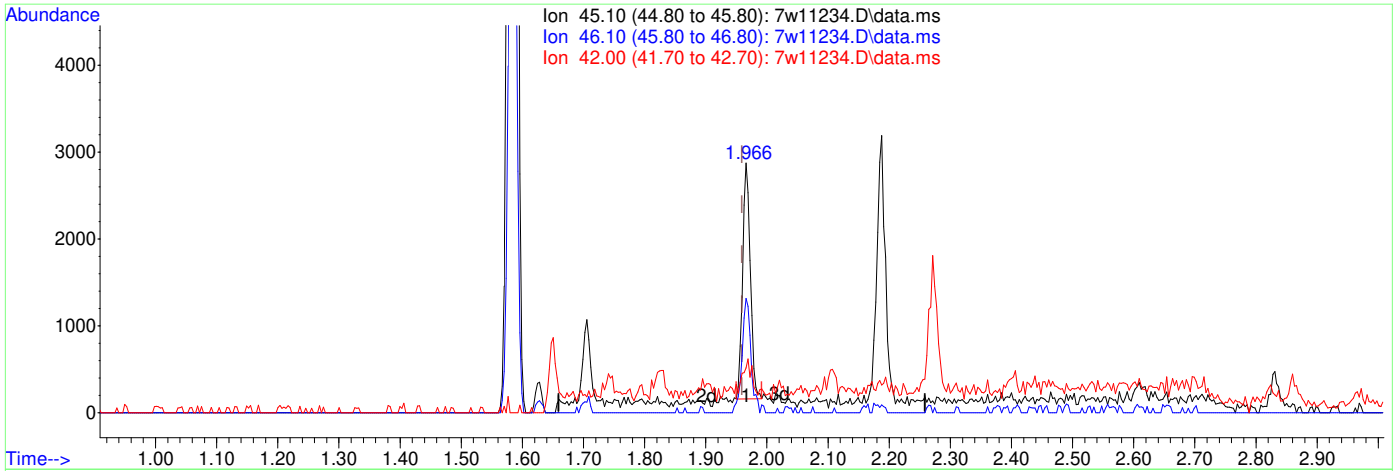
response 2854

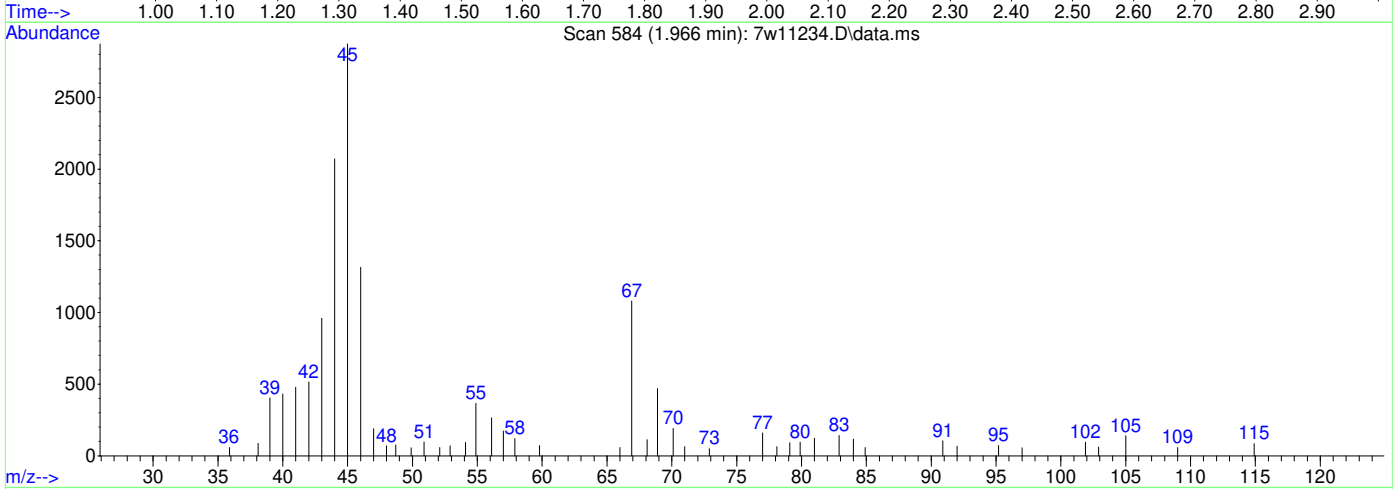
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	47.62
42.00	9.00	24.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(28) ETHANOL (T)

1.966min (+0.007) 0.26PPBV m

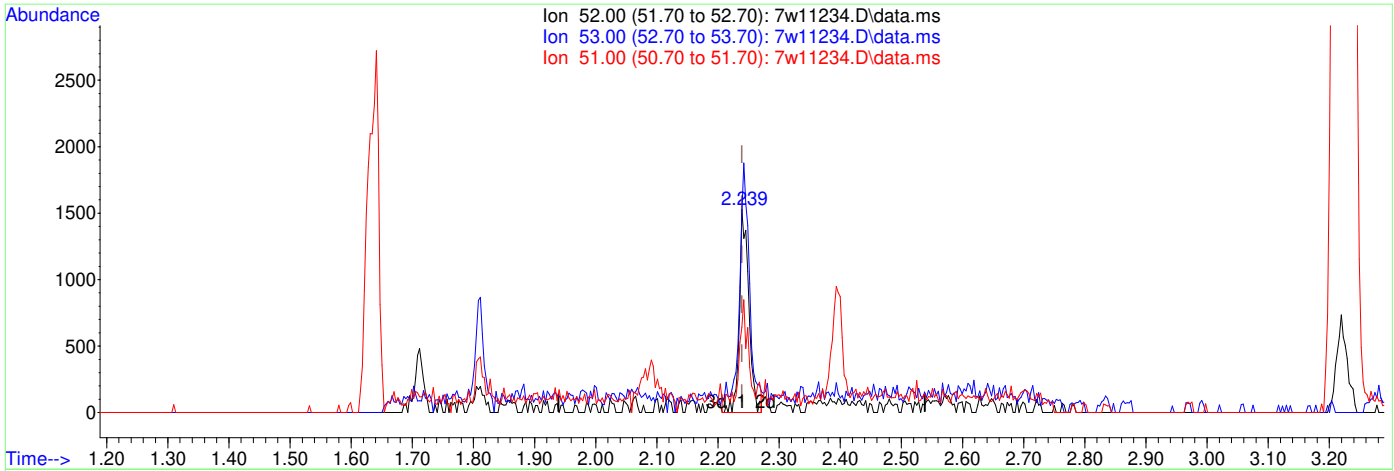
response 2393

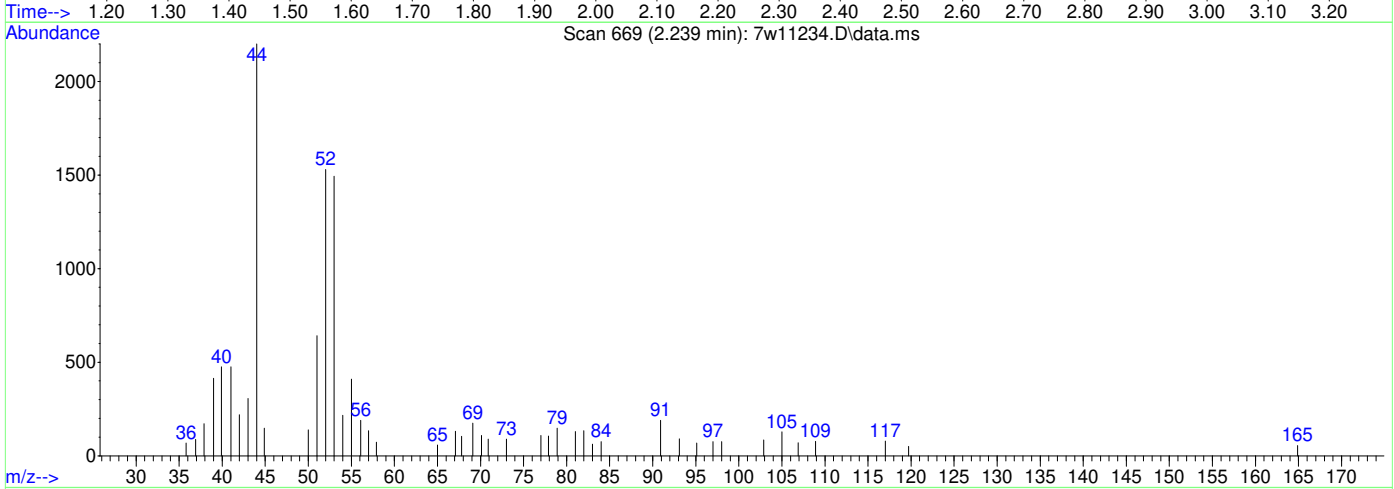
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	56.79#
42.00	9.00	28.92#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(30) ACRYLONITRILE (T)

2.239min (+0.000) 0.18PPBV

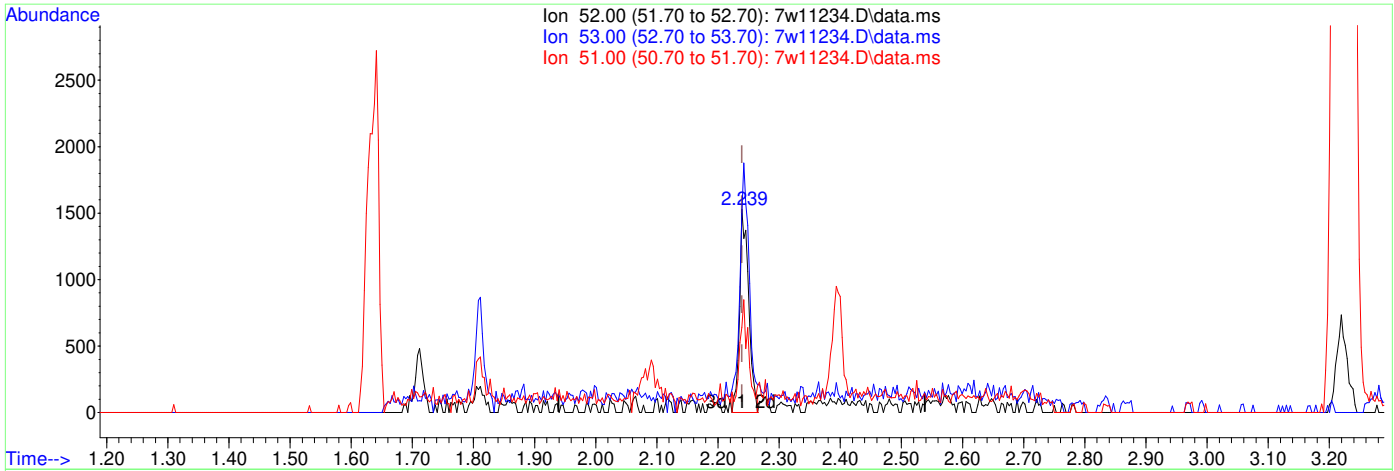
response 1634

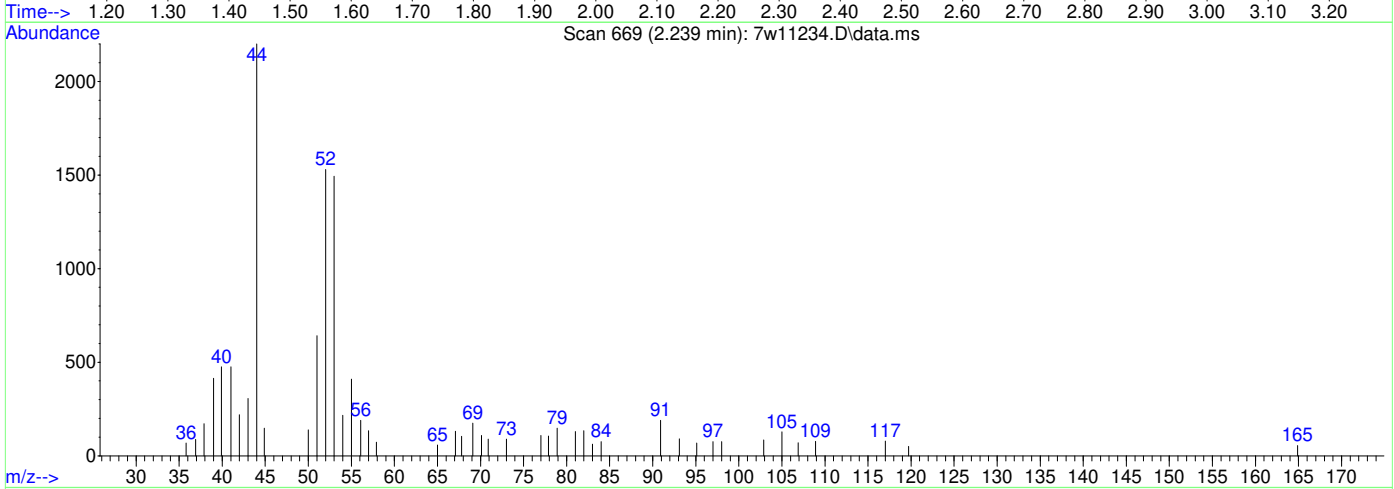
Ion	Exp%	Act%
52.00	100	100
53.00	121.70	128.40
51.00	46.00	60.10#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(30) ACRYLONITRILE (T)

2.239min (+0.000) 0.18PPBV m

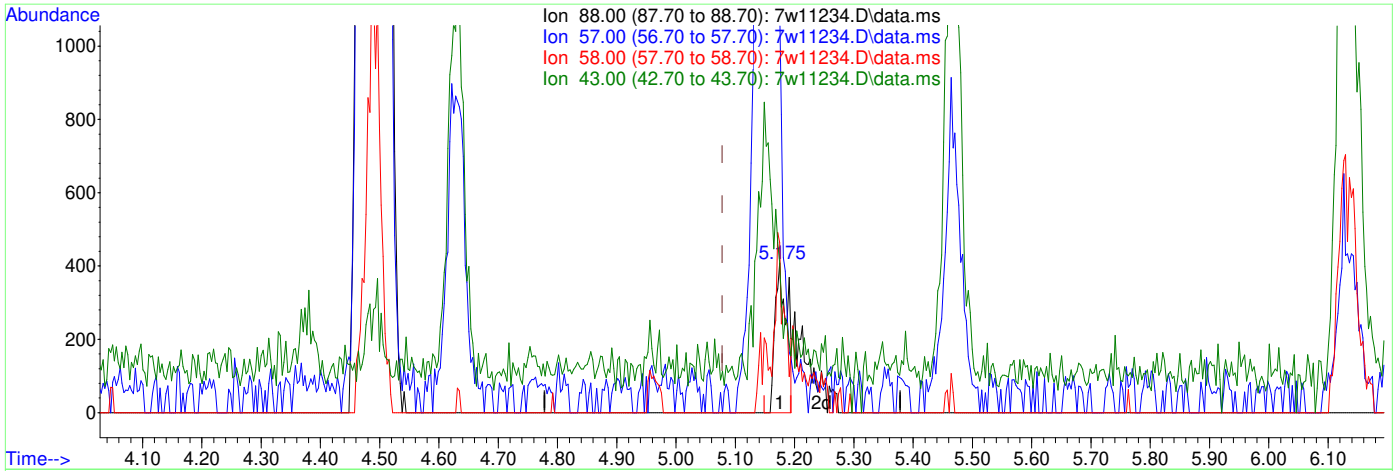
response 1573

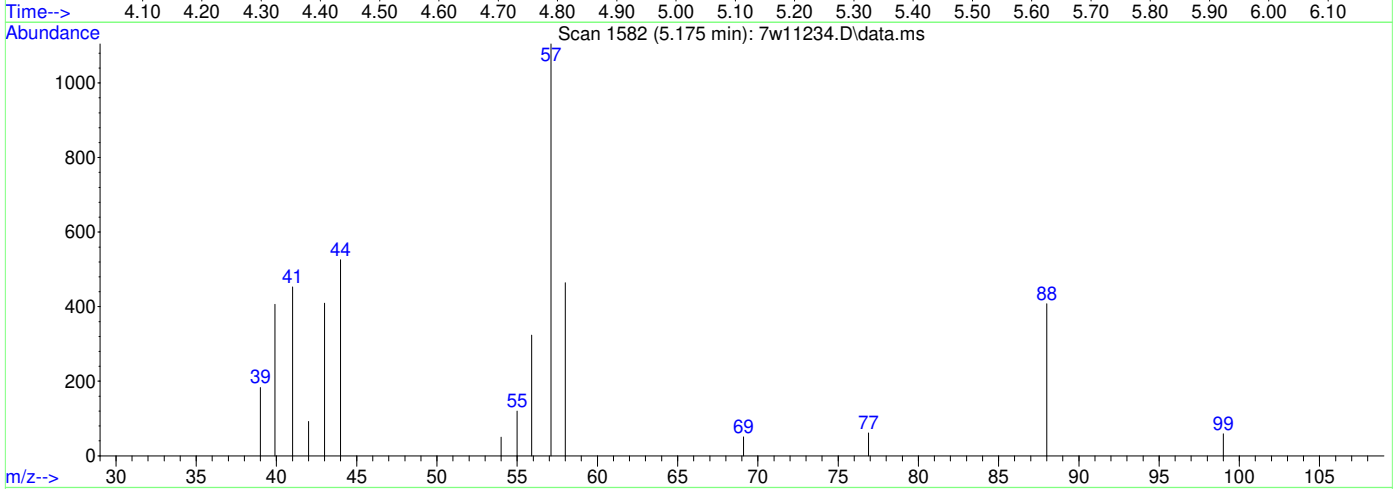
Ion	Exp%	Act%
52.00	100	100
53.00	121.70	133.38
51.00	46.00	62.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(61) 1,4-DIOXANE (T)

5.175min (+0.097) 0.06PPBV

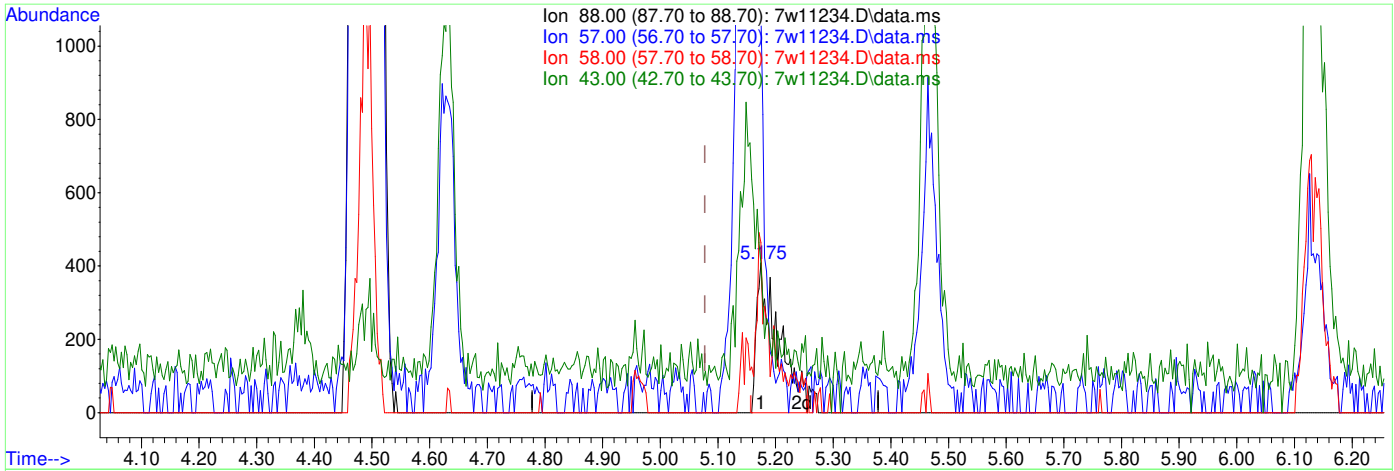
response 578

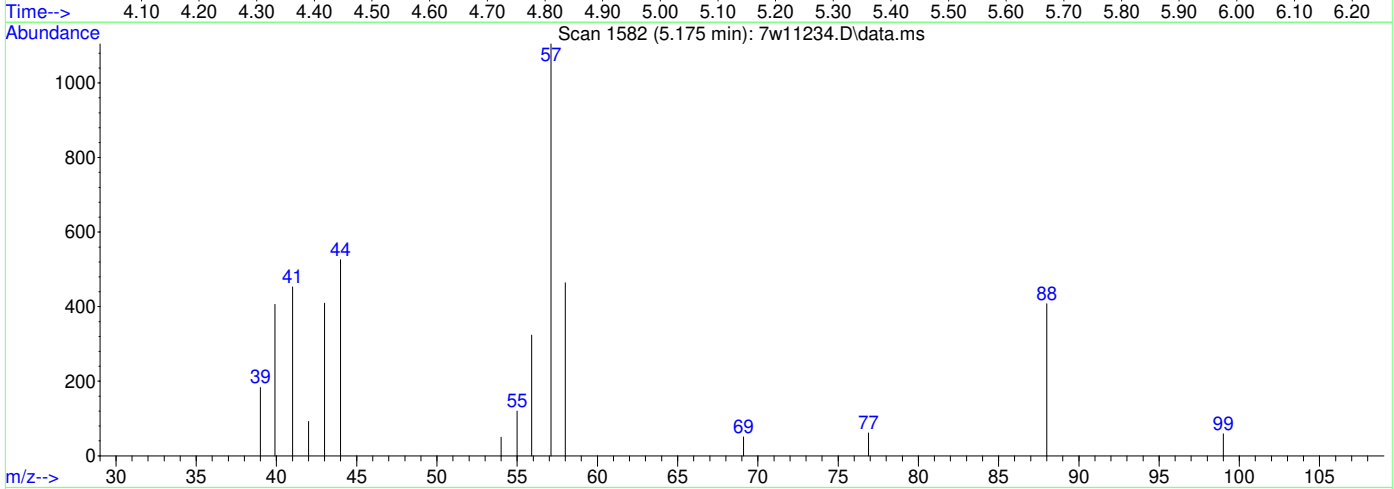
Ion	Exp%	Act%
88.00	100	100
57.00	21.40	1311.25#
58.00	71.40	125.43#
43.00	28.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(61) 1,4-DIOXANE (T)

5.175min (+0.097) 0.10PPBV m

response 1055

Ion	Exp%	Act%
88.00	100	100
57.00	21.40	718.39#
58.00	71.40	68.72
43.00	28.80	0.00#

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	135376	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	684640	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.033	117	633519	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	135376	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	453874	9.81	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	3166	0.30	PPBV		96
3) FREON 152A	1.625	65	1416	0.21	PPBV		98
4) CHLORODIFLUOROMETHANE	1.638	67	685	0.21	PPBV		87
5) CHLOROTRIFLUOROETHENE	1.647	116	3459	0.22	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.667	85	7449	0.22	PPBV		99
7) PROPYLENE	1.647	41	1987	0.24	PPBV		93
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	5376	0.22	PPBV	#	86
9) FREON 114	1.737	85	5911	0.22	PPBV		97
10) CHLOROMETHANE	1.712	52	727	0.23	PPBV		87
11) VINYL CHLORIDE	1.769	62	2419	0.21	PPBV		94
12) 1,3-BUTADIENE	1.808	54	2115	0.24	PPBV		88
13) N-BUTANE	1.824	43	3862	0.24	PPBV	#	82
14) BROMOMETHANE	1.885	94	2081	0.21	PPBV	#	89
15) CHLOROETHANE	1.930	64	1245	0.21	PPBV	#	76
16) DICHLOROFLUOROMETHANE	1.956	67	5342	0.22	PPBV		99
17) ACETONITRILE	2.030	41	2440m	0.24	PPBV		
18) ACROLEIN	2.068	56	1350	0.25	PPBV		100
19) FREON 123	2.075	83	5377	0.21	PPBV		97
20) FREON 123A	2.091	117	3608	0.23	PPBV		94
21) TRICHLOROFLUOROMETHANE	2.155	101	6612	0.22	PPBV	#	98
22) ISOPROPYL ALCOHOL	2.204	45	6071	0.26	PPBV		97
23) ACETONE	2.120	58	2022m	0.33	PPBV		
24) PENTANE	2.271	42	2647	0.23	PPBV		89
25) IODOMETHANE	2.332	142	6124	0.22	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.358	96	2396	0.22	PPBV		91
27) CARBON DISULFIDE	2.493	76	6168	0.21	PPBV	#	67
28) ETHANOL	1.975	45	4943m	0.72	PPBV		
29) BROMOETHENE	2.030	106	2344	0.22	PPBV	#	96
30) ACRYLONITRILE	2.245	52	3111	0.38	PPBV		98
31) METHYLENE CHLORIDE	2.396	84	3137	0.31	PPBV		95
32) 3-CHLOROPROPENE	2.435	76	1253	0.23	PPBV		67
33) FREON 113	2.493	151	4101	0.23	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.718	96	2503	0.21	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.429	59	6213m	0.22	PPBV		
36) METHYL TERTIARY BUTYL ...	2.850	73	7955	0.23	PPBV	#	82
37) TETRAHYDROFURAN	3.544	72	1188	0.20	PPBV		77
38) HEXANE	3.277	57	4751	0.22	PPBV		80
39) VINYL ACETATE	2.866	86	700	0.21	PPBV	#	13
40) 1,1-DICHLOROETHANE	2.795	63	4780	0.21	PPBV		97
41) METHYL ETHYL KETONE	2.985	72	1419	0.23	PPBV	#	93
42) CIS-1,2-DICHLOROETHENE	3.152	96	2745	0.22	PPBV		98
43) DIISOPROPYL ETHER	3.303	59	1508	0.25	PPBV		78
44) ETHYL ACETATE	3.310	61	982	0.23	PPBV		93
45) METHYL ACRYLATE	3.287	55	5637	0.22	PPBV	#	99
46) CHLOROFORM	3.300	83	5495	0.22	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.782	57	5377	0.22	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.866	97	5772	0.21	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	5354	0.19	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	3890	0.20	PPBV		98
51) BENZENE	4.175	78	8300	0.23	PPBV		99
53) CYCLOHEXANE	4.377	84	3553	0.22	PPBV		85
54) 2,3-DIMETHYLPENTANE	4.631	71	1803	0.21	PPBV		92
55) TRICHLOROETHENE	5.062	95	3668	0.20	PPBV		99
56) 1,2-DICHLOROPROPANE	4.837	63	3210	0.21	PPBV		97
57) DIBROMOMETHANE	4.792	174	3311	0.21	PPBV		94
58) ETHYL ACRYLATE	4.975	55	7267	0.22	PPBV		96
59) BROMODICHLOROMETHANE	5.004	83	5589	0.19	PPBV		92
60) 2,2,4-TRIMETHYLPENTANE	5.158	57	13895	0.21	PPBV		96
61) 1,4-DIOXANE	5.226	88	2954m	0.31	PPBV		
62) HEPTANE	5.470	43	5154	0.22	PPBV		97
63) METHYL METHACRYLATE	5.387	69	3544	0.25	PPBV		90
64) METHYL ISOBUTYL KETONE	6.171	58	4409	0.33	PPBV		96
65) CIS-1,3-DICHLOROPROPENE	5.991	75	4758	0.19	PPBV	#	81
66) TOLUENE	7.190	91	10267	0.22	PPBV		99
67) 1,3-DICHLOROPROPANE	7.252	76	4741	0.20	PPBV		98
68) TRANS-1,3-DICHLOROPROPENE	6.666	75	4218	0.18	PPBV		94
69) 1,1,2-TRICHLOROETHANE	6.817	83	2927	0.22	PPBV		95
70) 2-HEXANONE	7.850	58	8903	0.45	PPBV	#	94
71) ETHYL METHACRYLATE	7.920	69	5702	0.23	PPBV		95
72) TETRACHLOROETHENE	8.904	164	3981	0.21	PPBV		99
73) DIBROMOCHLOROMETHANE	7.721	129	5562	0.19	PPBV		99
74) 1,2-DIBROMOETHANE	8.055	107	5085	0.20	PPBV	#	97
75) OCTANE	9.052	43	7512	0.23	PPBV		96
77) 1,1,1,2-TETRACHLOROETHANE	10.123	131	4267	0.20	PPBV		97
78) CHLOROBENZENE	10.104	112	7768	0.20	PPBV		98
79) ETHYLBENZENE	10.991	91	13983	0.23	PPBV		95
80) M,P-XYLENE	11.425	91	20795	0.42	PPBV		96
81) O-XYLENE	12.341	91	10737	0.22	PPBV		94
82) STYRENE	12.142	104	7305	0.20	PPBV		100
83) NONANE	13.470	43	7304	0.22	PPBV		97
84) BROMOFORM	11.219	173	4859	0.19	PPBV		98
85) 1,1,2,2-TETRACHLOROETHANE	12.361	83	6988	0.21	PPBV		98
86) 1,2,3-TRICHLOROPROPANE	12.640	75	5385	0.20	PPBV	#	99
88) ISOPROPYLBENZENE	13.859	120	3932	0.20	PPBV		91
89) BROMOBENZENE	13.718	77	7079	0.20	PPBV		99
90) 2-CHLOROTOLUENE	14.853	126	3458	0.19	PPBV		99
91) N-PROPYLBENZENE	15.197	120	3814	0.19	PPBV		99
92) 4-ETHYLTOLUENE	15.640	105	14151	0.20	PPBV	#	98
93) 1,3,5-TRIMETHYLBENZENE	15.914	105	12096	0.20	PPBV		97
94) ALPHA-METHYLSTYRENE	16.216	118	5670	0.18	PPBV		99
95) TERT-BUTYLBENZENE	16.525	134	2992	0.21	PPBV		95
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	12308	0.20	PPBV		99
97) BENZYL CHLORIDE	16.624	91	9192	0.16	PPBV		99
98) M-DICHLOROBENZENE	16.598	146	7938	0.19	PPBV		98
99) P-DICHLOROBENZENE	16.692	146	8082	0.20	PPBV		99
100) O-DICHLOROBENZENE	17.010	146	7837	0.20	PPBV		99
101) SEC-BUTYLBENZENE	16.836	134	3638	0.20	PPBV		98
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	12052	0.20	PPBV		97
103) P-ISOPROPYLTOLUENE	17.033	134	4106	0.21	PPBV		98
104) N-BUTYLBENZENE	17.399	134	3733	0.19	PPBV		94
105) HEXACHLOROETHANE	17.573	117	4492	0.19	PPBV		97
106) HEXACHLOROBUTADIENE	18.634	225	5552	0.19	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	18.322	180	5074	0.14	PPBV		96
108) NAPHTHALENE	18.370	128	9939	0.13	PPBV		98
110) TVHC as equiv Pentane	2.271	TIC	12241m	0.22	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

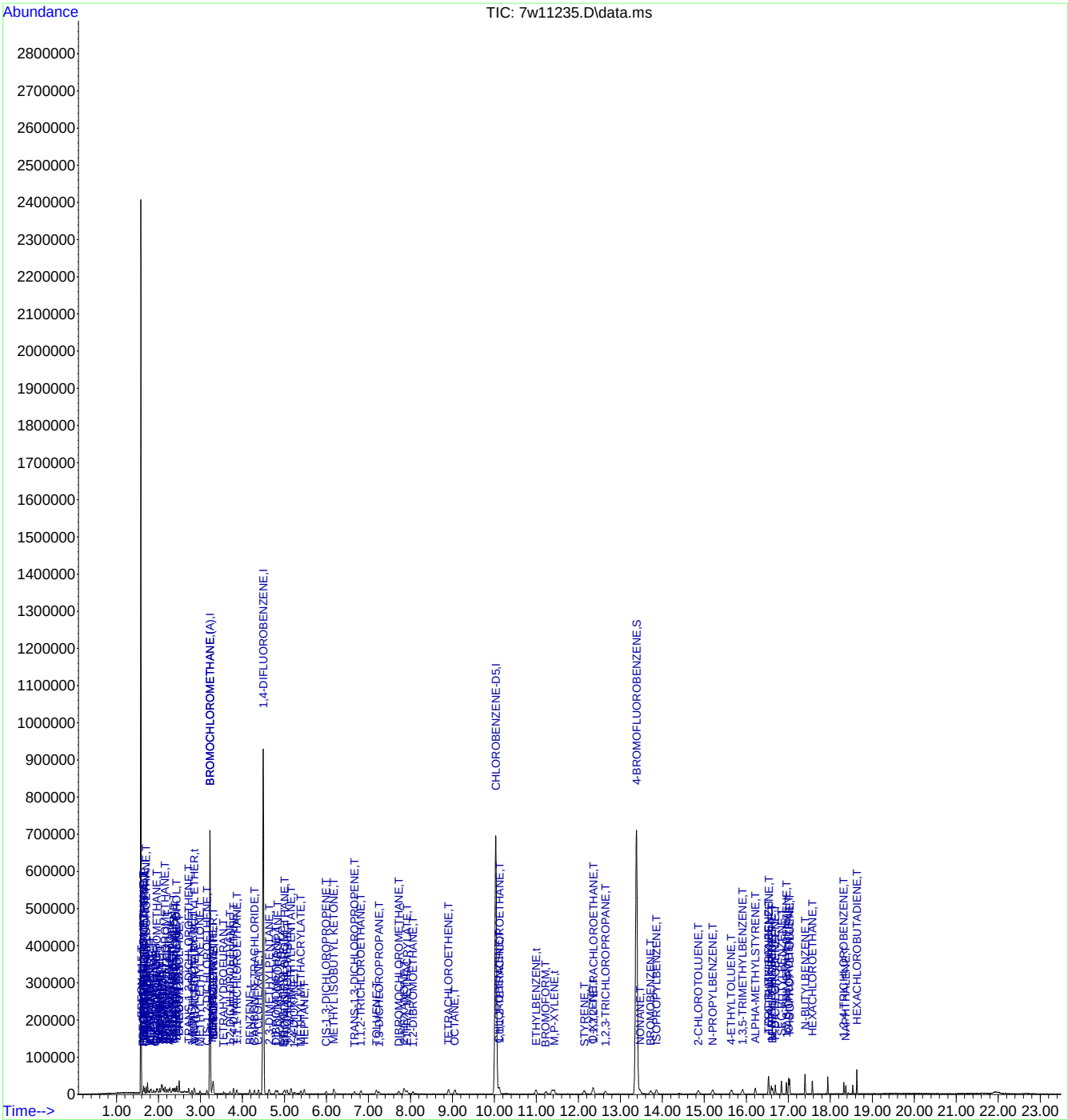
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration



Manual Integration Approval Summary

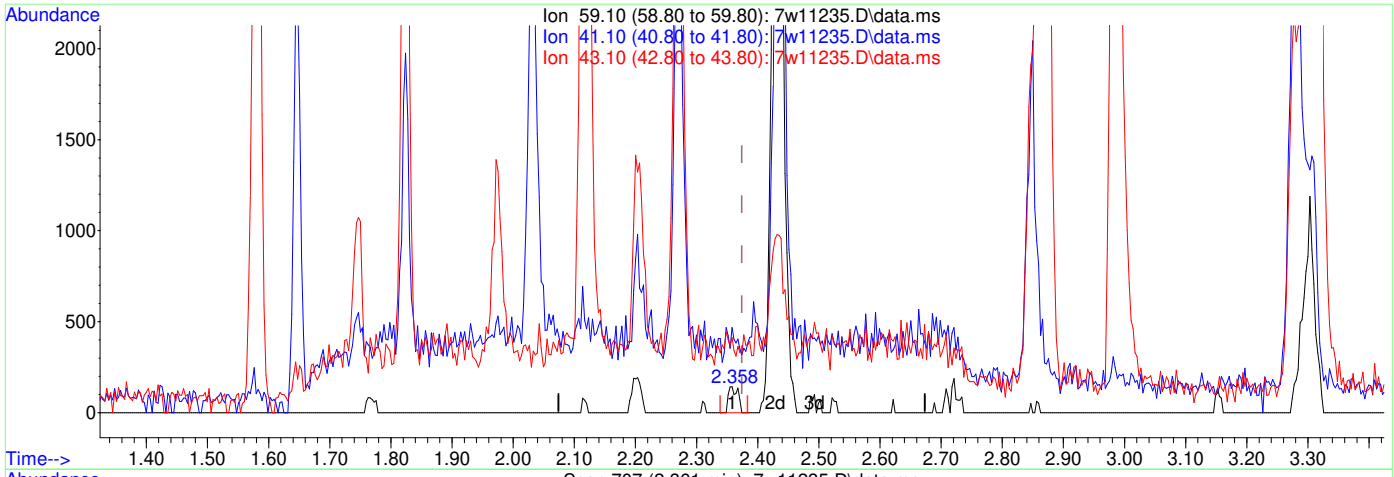
Sample Number: V7W405-IC405 **Method:** TO-15
Lab FileID: 7W11235.D **Analyst approved:** 12/30/24 00:11 Kanya Veerawat
Injection Time: 12/28/24 10:32 **Supervisor approved:** 12/30/24 00:15 Kanya Veerawat

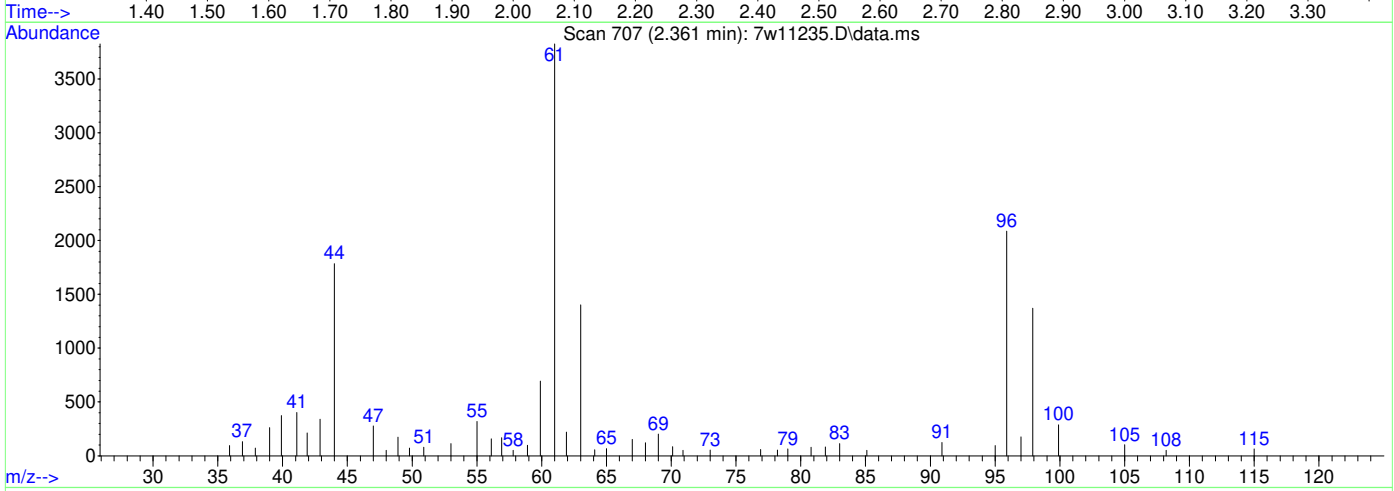
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		1.98	Poor instrument integration
Acetonitrile	75-05-8		2.03	Poor instrument integration
Acetone (2-Propanone)	67-64-1		2.12	Poor instrument integration
TVHC As Equiv Pentane			2.27	Missed peak
Tertiary Butyl Alcohol	75-65-0		2.43	Missed peak
1,4-Dioxane	123-91-1		5.23	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(35) TERTIARY BUTYL ALCOHOL (T)

2.358min (-0.016) 0.01PPBV

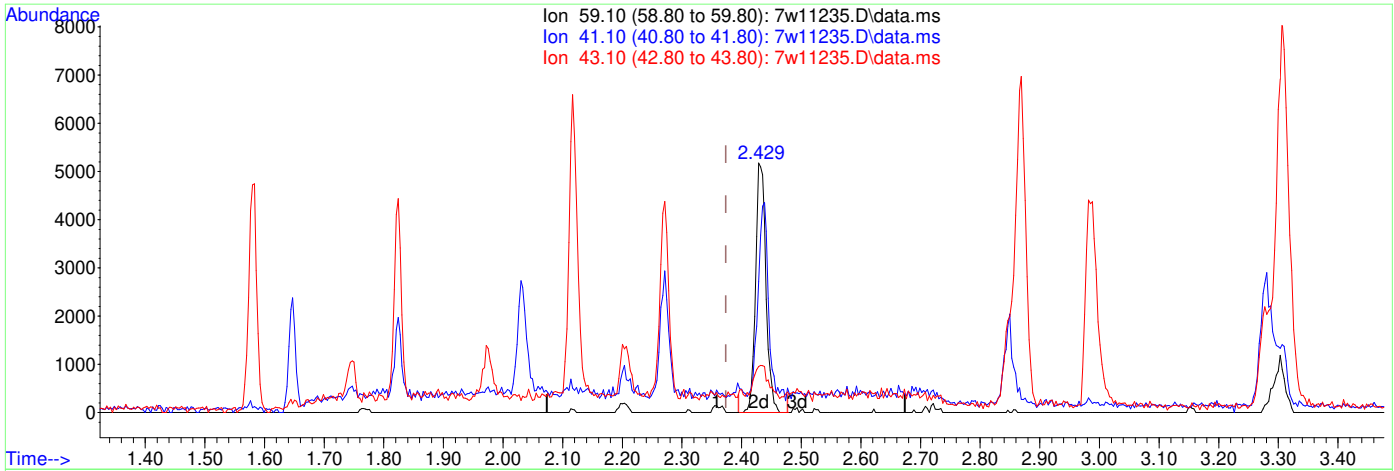
response 153

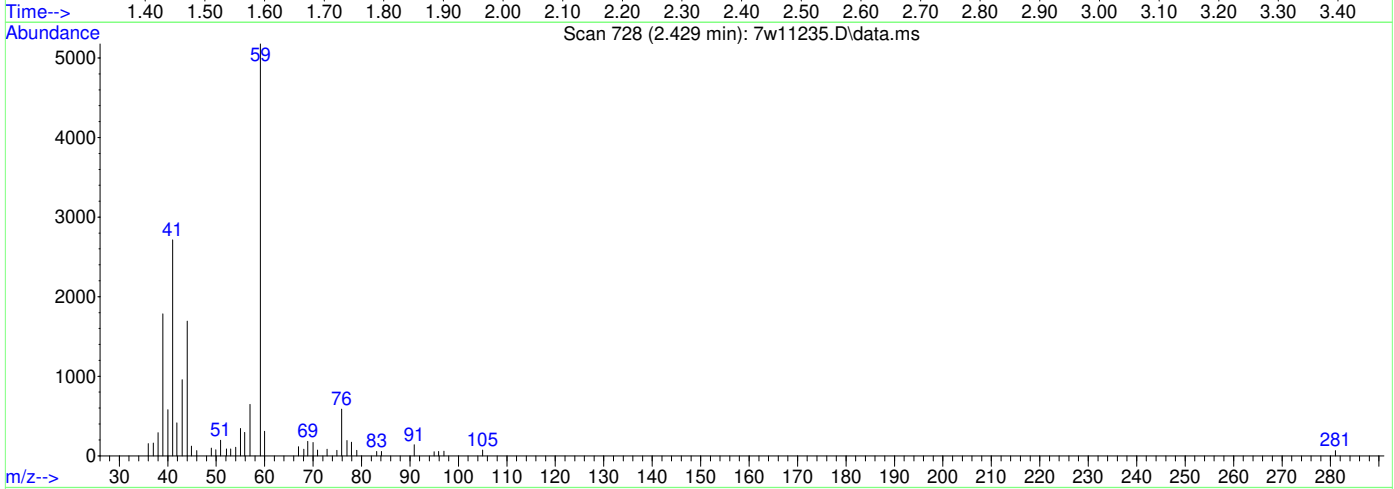
Ion	Exp%	Act%
59.10	100	100
41.10	20.40	87.58#
43.10	14.20	81.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(35) TERTIARY BUTYL ALCOHOL (T)

2.429min (+0.055) 0.22PPBV m

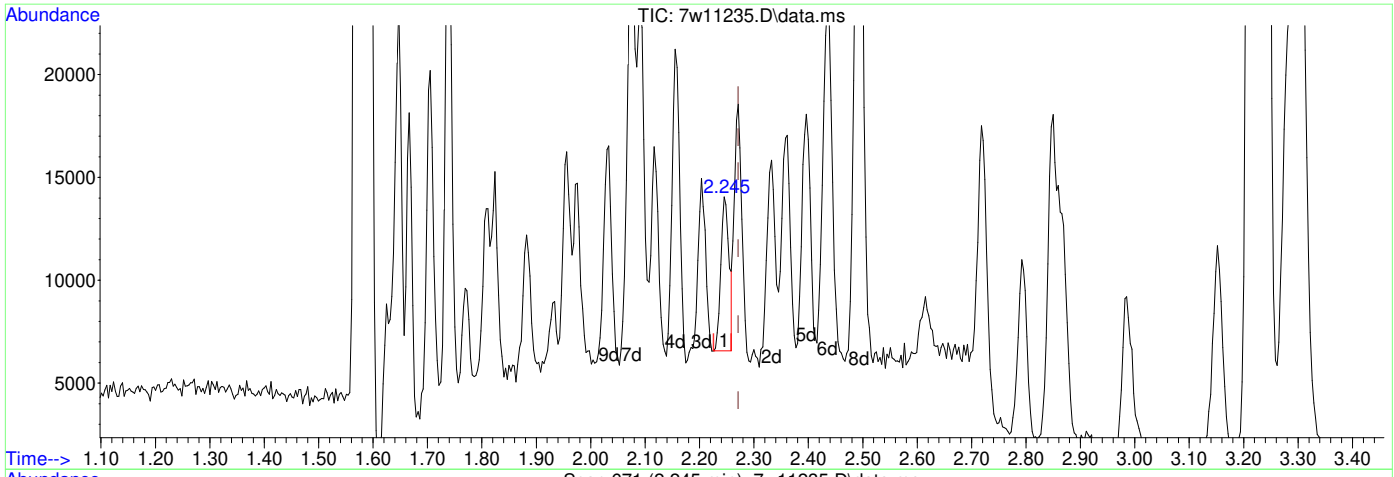
response 6213

Ion	Exp%	Act%
59.10	100	100
41.10	20.40	2.16#
43.10	14.20	2.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration



TIC: 7w11235.D\data.ms

(110) TVHC as equiv Pentane

2.245min (-0.026) 0.14PPBV

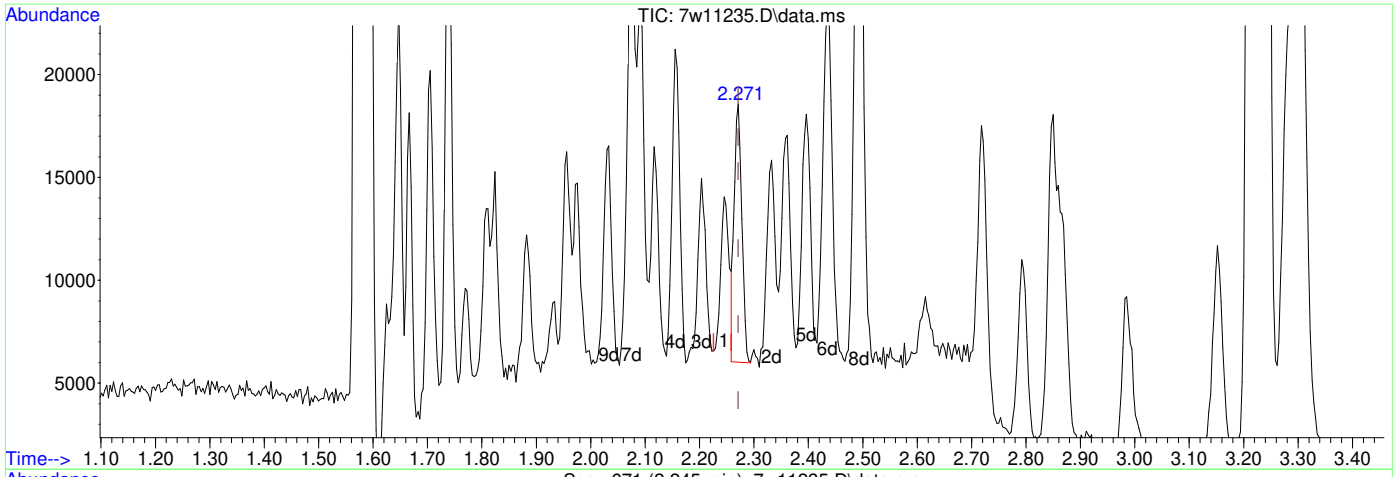
response 7940

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration



TIC: 7w11235.D\data.ms

(110) TVHC as equiv Pentane

2.271min (+0.000) 0.22PPBV m

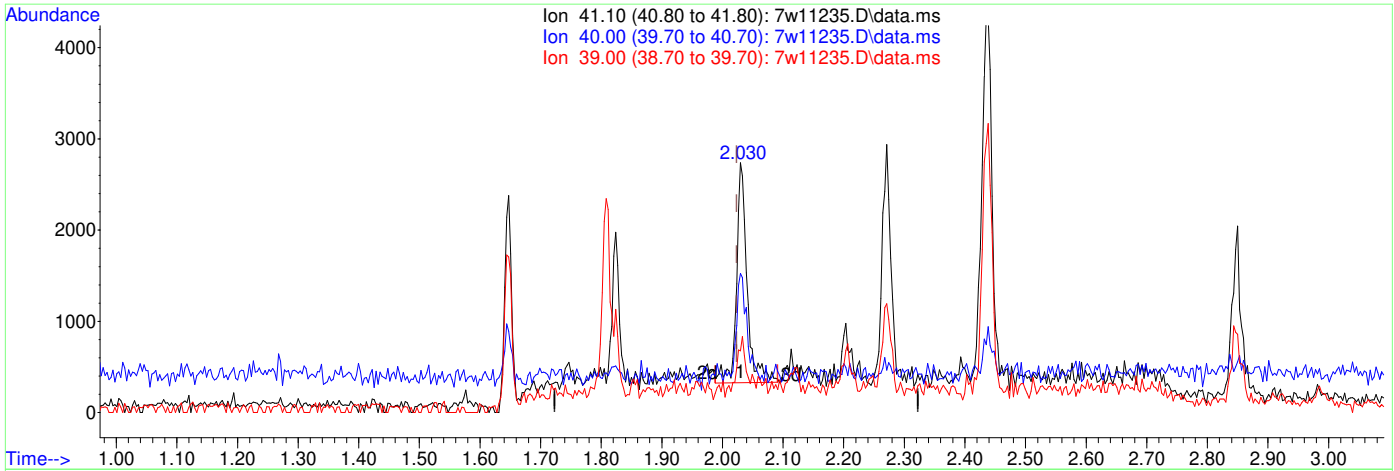
response 12241

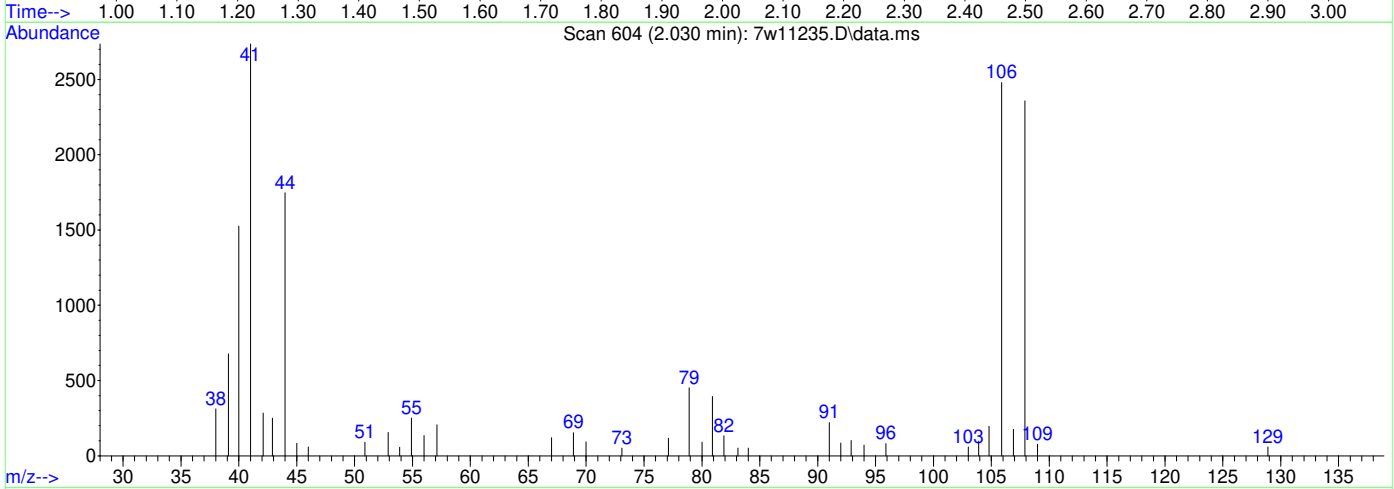
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(17) ACETONITRILE (T)

2.030min (+0.007) 0.30PPBV

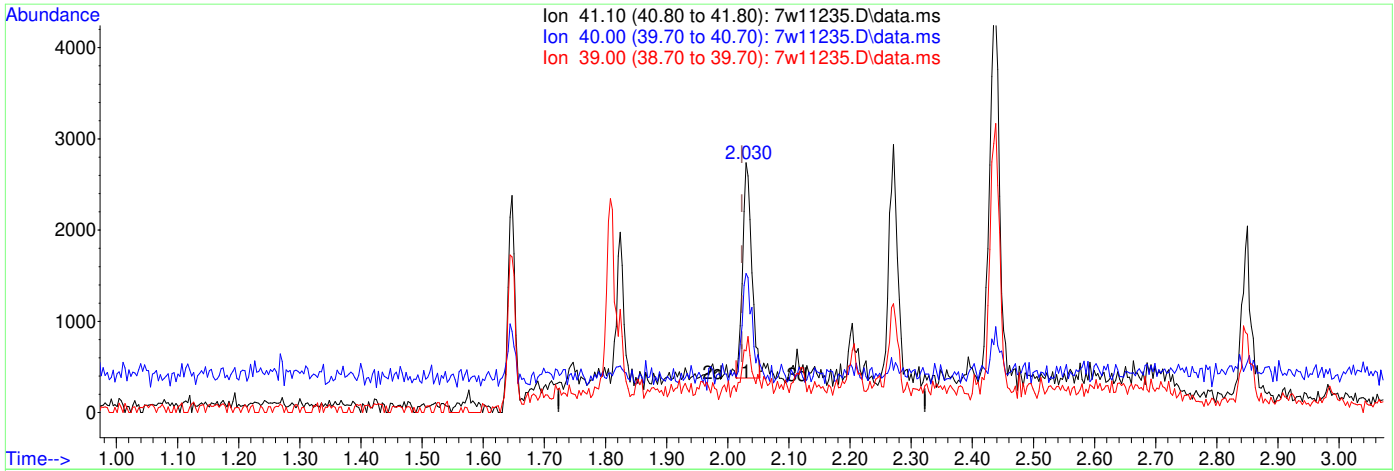
response 2967

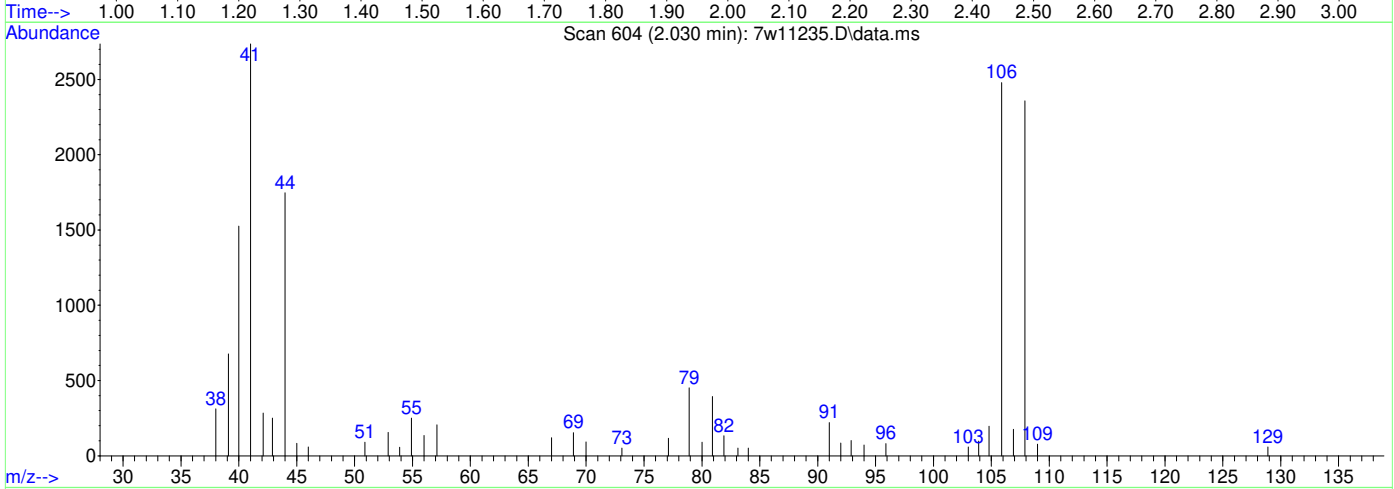
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	51.53
39.00	19.70	22.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(17) ACETONITRILE (T)

2.030min (+0.007) 0.24PPBV m

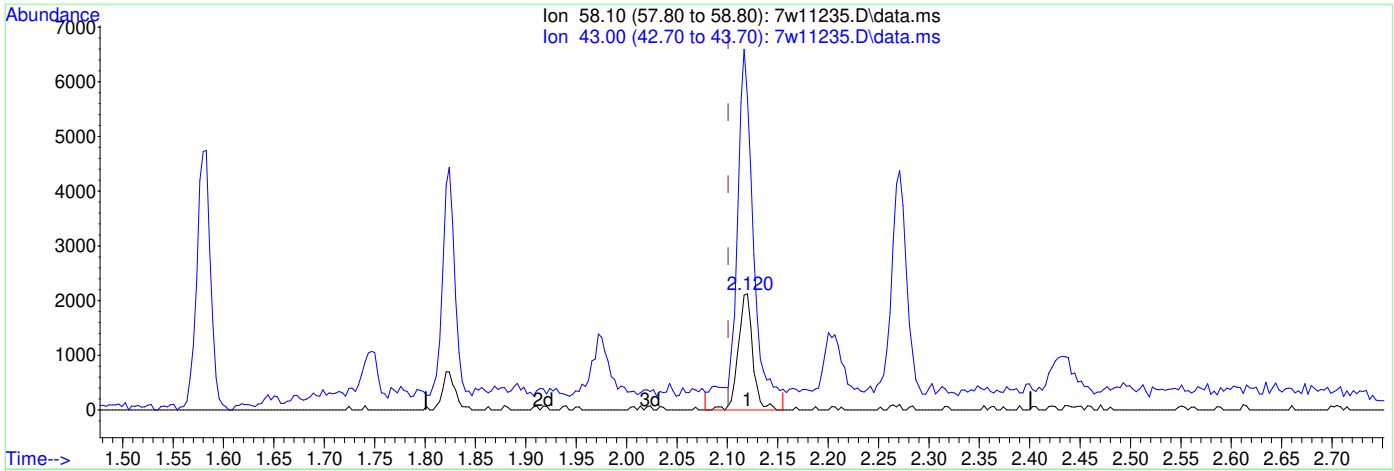
response 2440

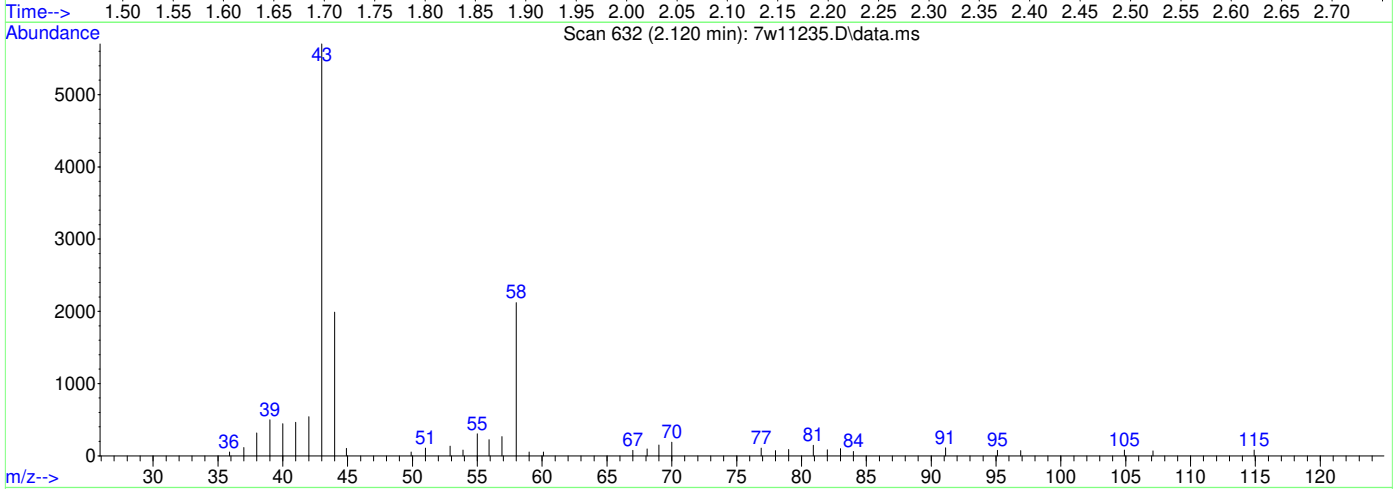
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	62.66
39.00	19.70	26.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(23) ACETONE (T)

2.120min (+0.019) 0.34PPBV

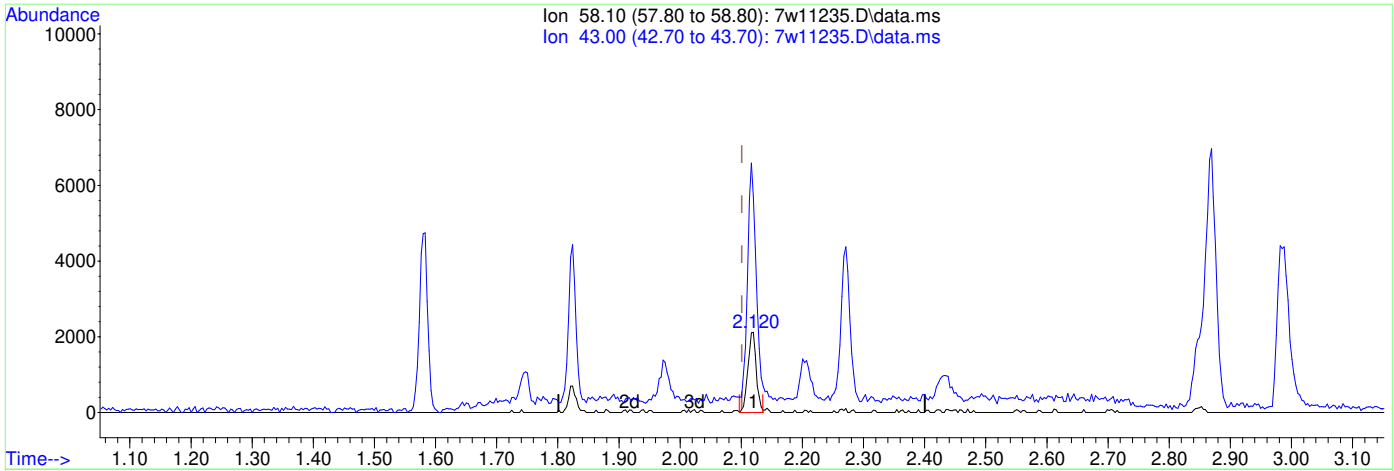
response 2106

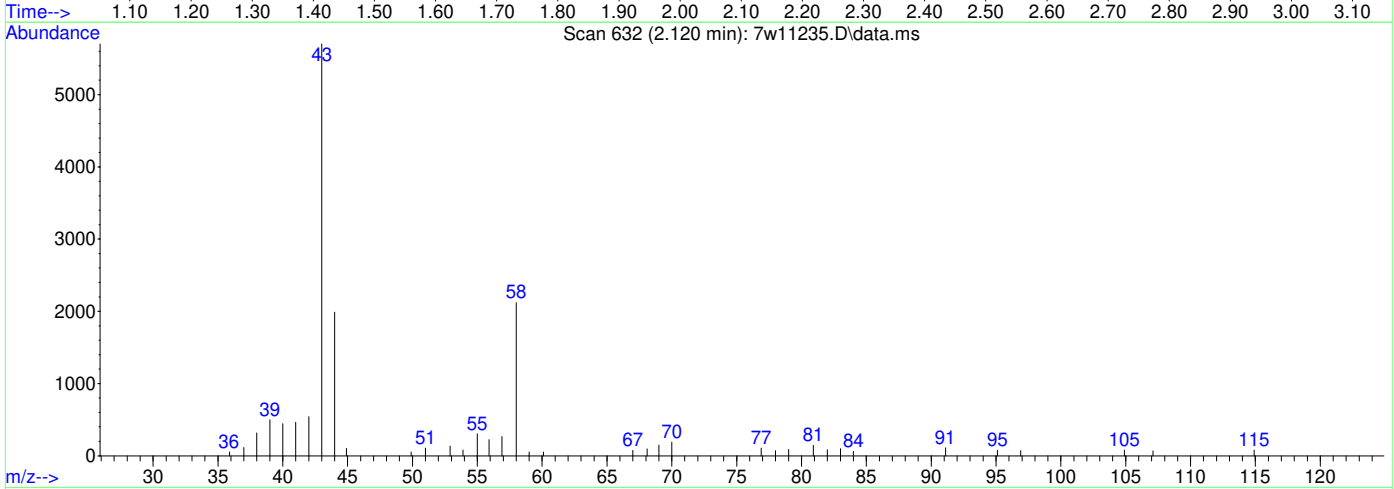
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	308.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(23) ACETONE (T)

2.120min (+0.019) 0.33PPBV m

response 2022

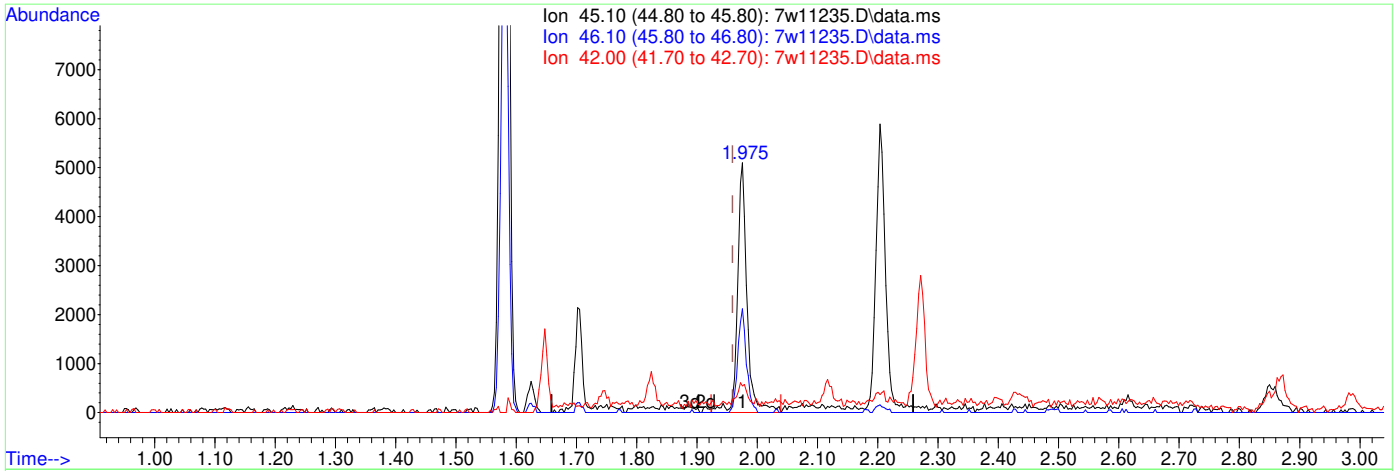
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	320.87
0.00	0.00	0.00
0.00	0.00	0.00

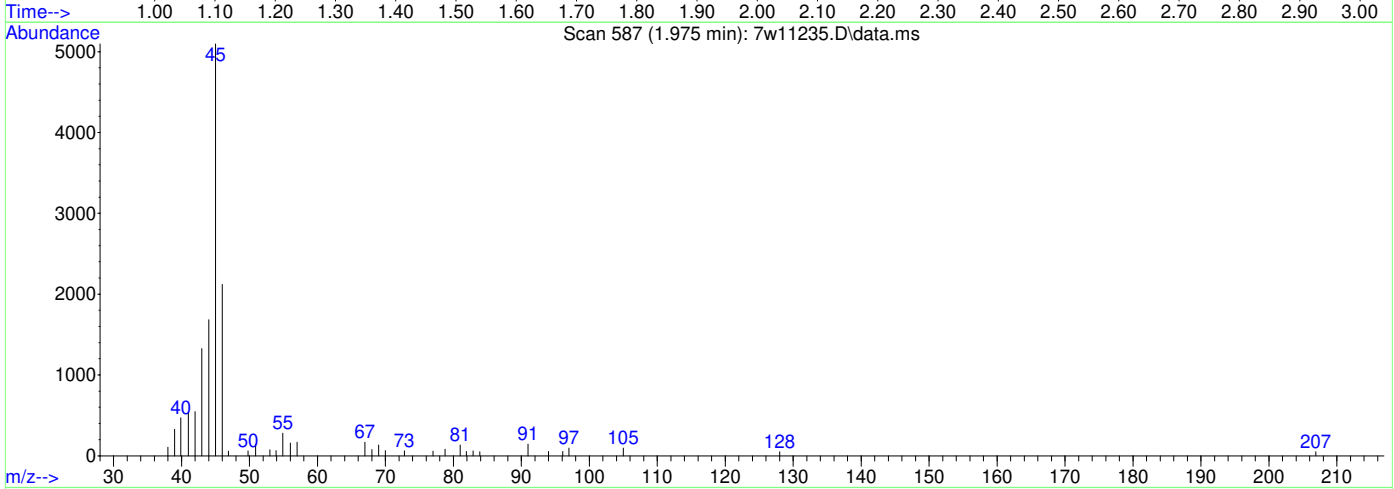
7W11235.D edits: ACETONE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(28) ETHANOL (T)

1.975min (+0.016) 0.80PPBV

response 5504

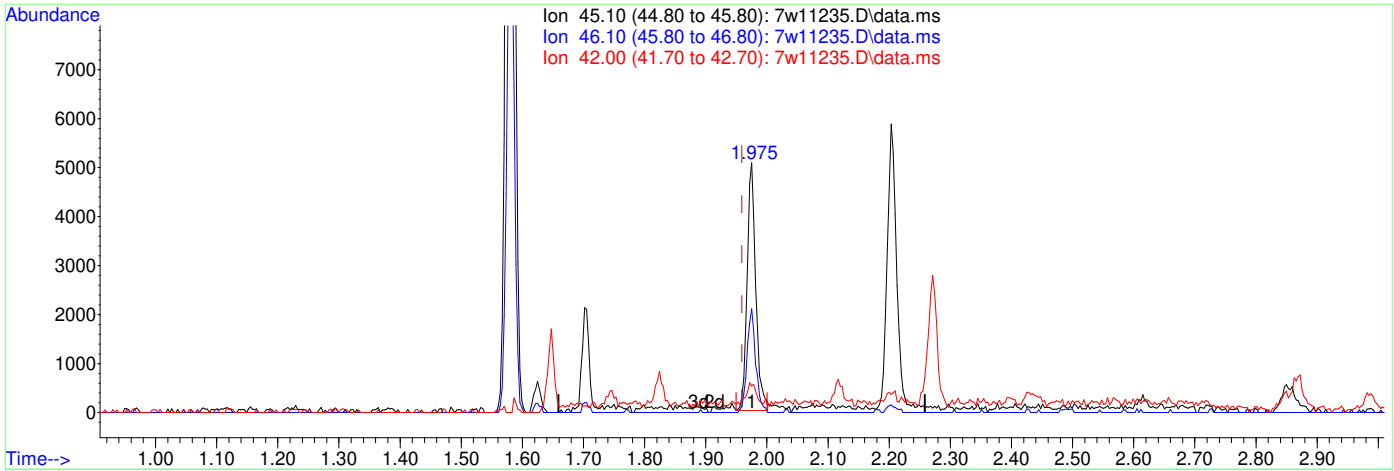
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	37.95
42.00	9.00	11.10
0.00	0.00	0.00

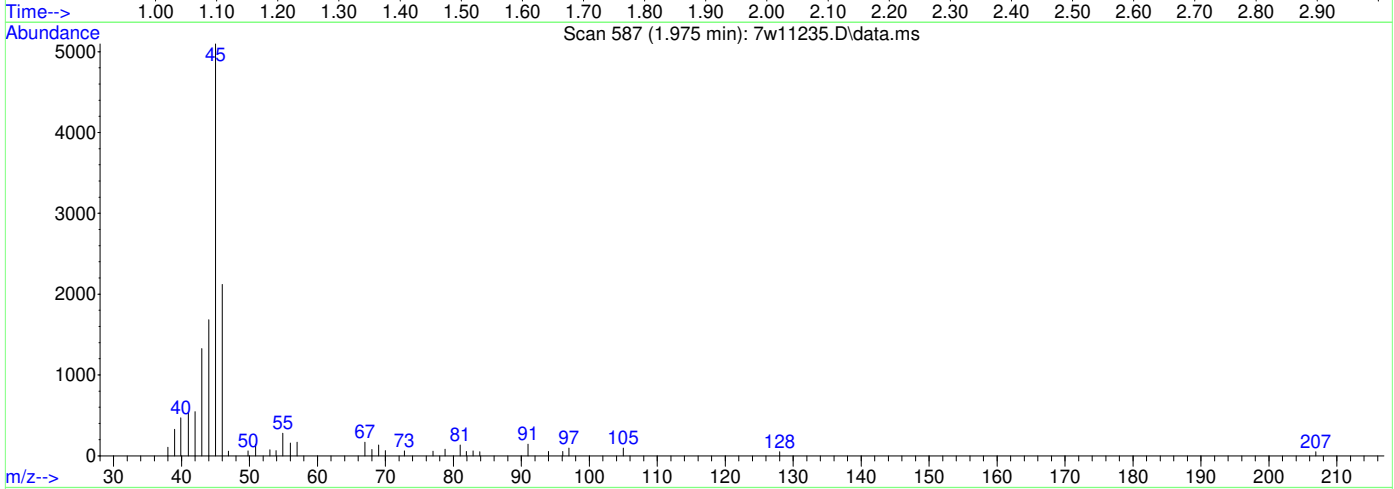
7W11235.D edits: ETHANOL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(28) ETHANOL (T)

1.975min (+0.016) 0.72PPBV m

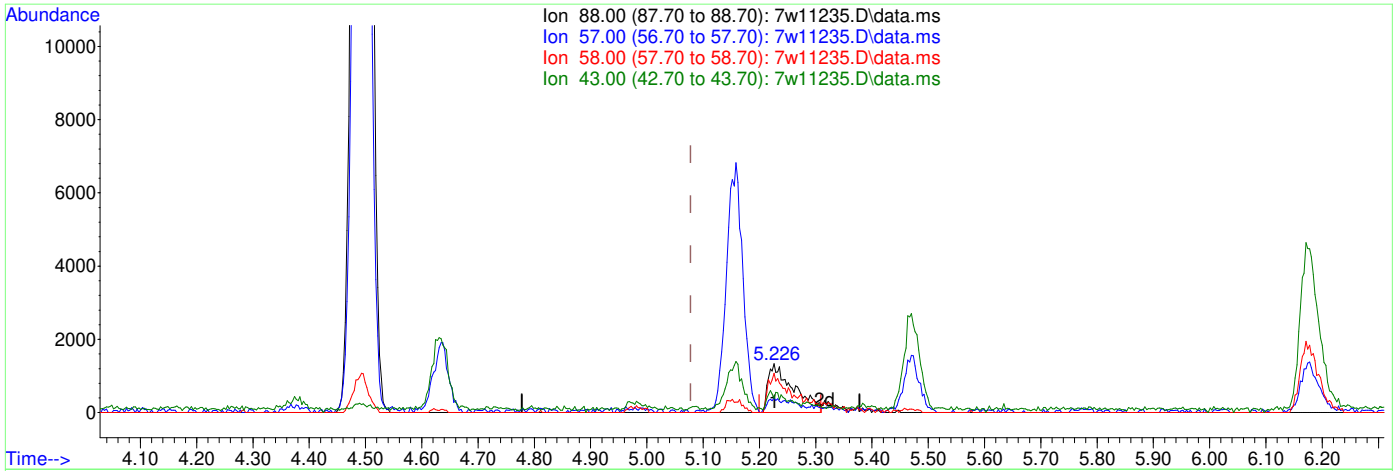
response 4943

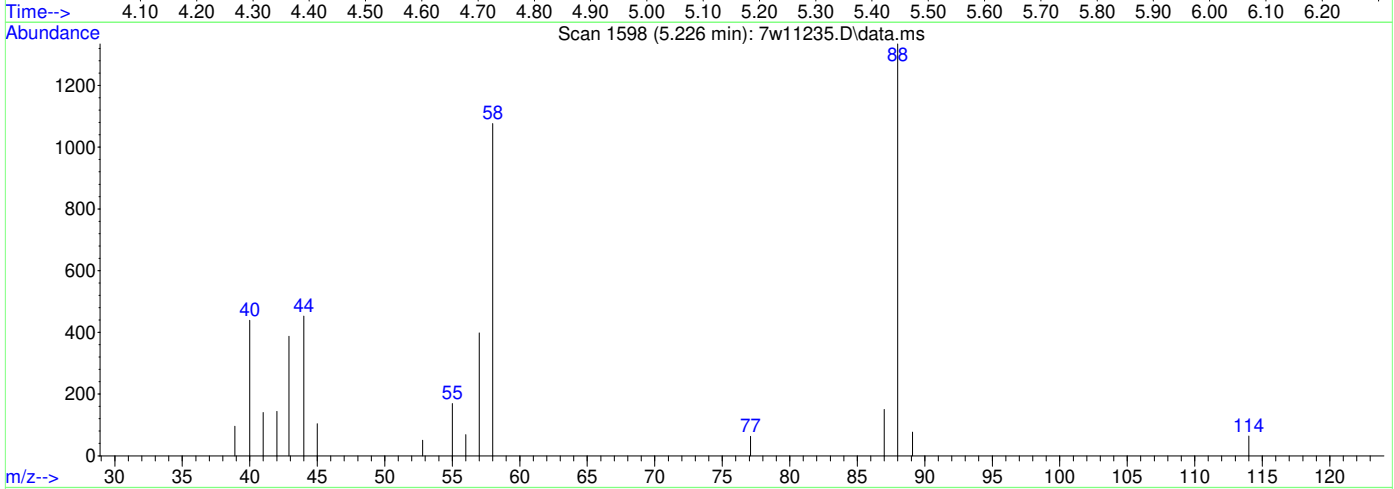
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	42.26
42.00	9.00	12.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(61) 1,4-DIOXANE (T)

5.226min (+0.148) 0.43PPBV

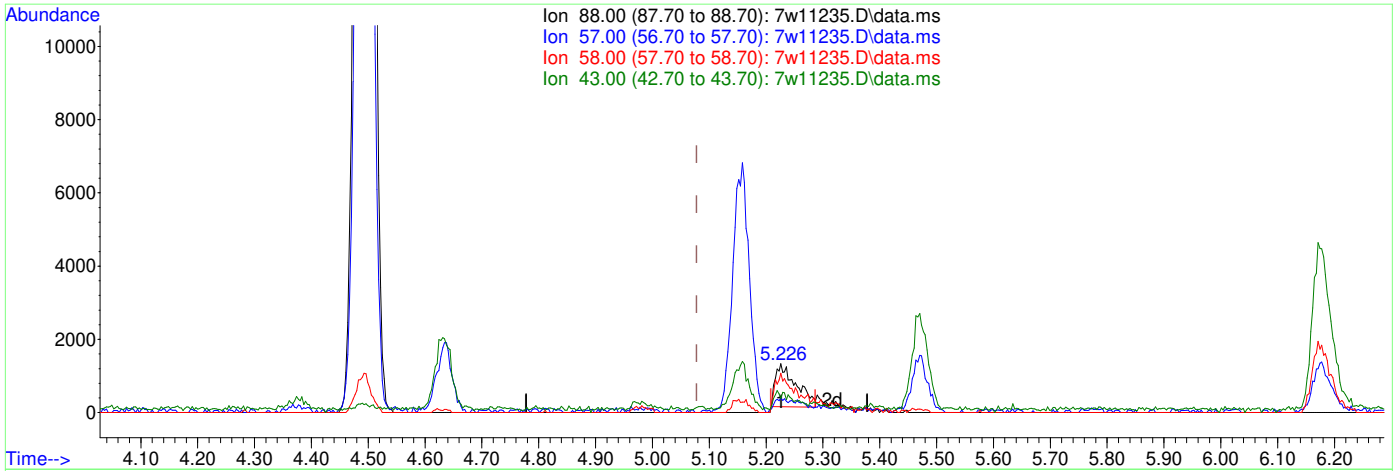
response 4150

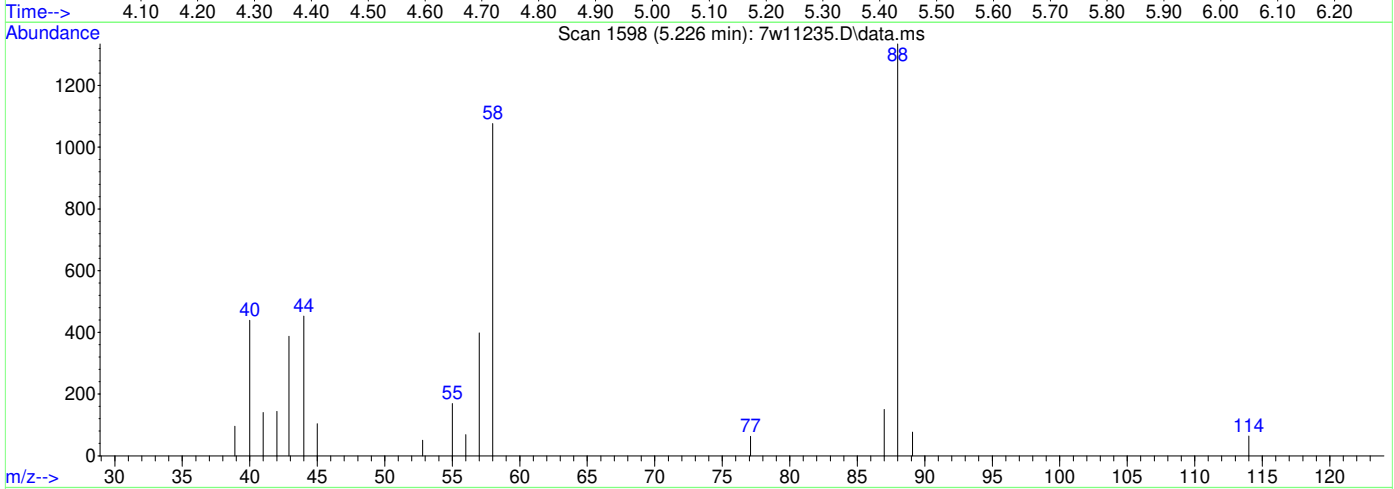
Ion	Exp%	Act%
88.00	100	100
57.00	21.40	33.30#
58.00	71.40	76.77
43.00	28.80	37.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(61) 1,4-DIOXANE (T)

5.226min (+0.148) 0.31PPBV m

response 2954

Ion	Exp%	Act%
88.00	100	100
57.00	21.40	46.78#
58.00	71.40	107.85#
43.00	28.80	52.27#

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	130126	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	661732	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.030	117	600657	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	130126	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.380	95	428848	9.74	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	7461	0.80	PPBV		97
3) FREON 152A	1.628	65	3457	0.54	PPBV		98
4) CHLORODIFLUOROMETHANE	1.641	67	1753	0.56	PPBV		93
5) CHLOROTRIFLUOROETHENE	1.650	116	8201	0.53	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.667	85	17786	0.54	PPBV		99
7) PROPYLENE	1.647	41	4729	0.61	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	13030	0.55	PPBV		97
9) FREON 114	1.737	85	14652	0.56	PPBV		100
10) CHLOROMETHANE	1.708	52	1636	0.53	PPBV		89
11) VINYL CHLORIDE	1.769	62	5781	0.52	PPBV		99
12) 1,3-BUTADIENE	1.808	54	4670	0.56	PPBV		85
13) N-BUTANE	1.824	43	9329	0.60	PPBV	#	93
14) BROMOMETHANE	1.885	94	5284	0.56	PPBV		98
15) CHLOROETHANE	1.933	64	3113	0.55	PPBV		95
16) DICHLOROFLUOROMETHANE	1.956	67	12553	0.55	PPBV		97
17) ACETONITRILE	2.027	41	5180	0.55	PPBV		98
18) ACROLEIN	2.065	56	2982	0.60	PPBV		92
19) FREON 123	2.075	83	13106	0.55	PPBV		98
20) FREON 123A	2.094	117	8580	0.57	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.155	101	15558	0.54	PPBV		94
22) ISOPROPYL ALCOHOL	2.184	45	12758	0.57	PPBV		94
23) ACETONE	2.107	58	3383	0.59	PPBV		95
24) PENTANE	2.271	42	6568	0.59	PPBV		99
25) IODOMETHANE	2.332	142	15154	0.57	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.358	96	6019	0.58	PPBV		93
27) CARBON DISULFIDE	2.493	76	15735	0.55	PPBV	#	87
28) ETHANOL	1.962	45	4727m	0.78	PPBV		
29) BROMOETHENE	2.030	106	5411	0.54	PPBV	#	93
30) ACRYLONITRILE	2.242	52	4847	0.63	PPBV		94
31) METHYLENE CHLORIDE	2.396	84	6063m	0.66	PPBV		
32) 3-CHLOROPROPENE	2.438	76	2853	0.54	PPBV		99
33) FREON 113	2.490	151	9324	0.54	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	2.718	96	6105	0.55	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.396	59	14539	0.54	PPBV		92
36) METHYL TERTIARY BUTYL ...	2.830	73	18535	0.56	PPBV	#	94
37) TETRAHYDROFURAN	3.525	72	2976	0.54	PPBV		93
38) HEXANE	3.277	57	11414	0.57	PPBV		98
39) VINYL ACETATE	2.863	86	1803	0.56	PPBV		90
40) 1,1-DICHLOROETHANE	2.792	63	11928	0.56	PPBV		100
41) METHYL ETHYL KETONE	2.965	72	3166	0.55	PPBV		95
42) CIS-1,2-DICHLOROETHENE	3.152	96	6909	0.57	PPBV		96
43) DIISOPROPYL ETHER	3.284	59	3289	0.57	PPBV		96
44) ETHYL ACETATE	3.290	61	2317	0.56	PPBV		96
45) METHYL ACRYLATE	3.277	55	13660	0.56	PPBV	#	99
46) CHLOROFORM	3.297	83	13724	0.58	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.785	57	12969	0.56	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.863	97	14399	0.56	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	13974	0.50	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	10257	0.56	PPBV		99
51) BENZENE	4.171	78	19367	0.57	PPBV		99
53) CYCLOHEXANE	4.374	84	8799	0.56	PPBV		96
54) 2,3-DIMETHYLPENTANE	4.634	71	4644	0.58	PPBV		97
55) TRICHLOROETHENE	5.059	95	9453	0.55	PPBV		95
56) 1,2-DICHLOROPROPANE	4.827	63	7706	0.53	PPBV		99
57) DIBROMOMETHANE	4.792	174	8465	0.57	PPBV		98
58) ETHYL ACRYLATE	4.956	55	16033	0.50	PPBV		96
59) BROMODICHLOROMETHANE	5.007	83	14110	0.50	PPBV		95
60) 2,2,4-TRIMETHYLPENTANE	5.152	57	35677	0.56	PPBV		100
61) 1,4-DIOXANE	5.139	88	4905	0.53	PPBV	#	1
62) HEPTANE	5.467	43	13181	0.59	PPBV		96
63) METHYL METHACRYLATE	5.371	69	7721	0.56	PPBV		98
64) METHYL ISOBUTYL KETONE	6.116	58	6846	0.53	PPBV		94
65) CIS-1,3-DICHLOROPROPENE	5.988	75	12166	0.51	PPBV		96
66) TOLUENE	7.184	91	24314	0.53	PPBV		99
67) 1,3-DICHLOROPROPANE	7.245	76	11960	0.53	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.663	75	10484	0.46	PPBV		92
69) 1,1,2-TRICHLOROETHANE	6.817	83	7092	0.54	PPBV		98
70) 2-HEXANONE	7.788	58	9642	0.50	PPBV		98
71) ETHYL METHACRYLATE	7.898	69	12529	0.51	PPBV		99
72) TETRACHLOROETHENE	8.904	164	9969	0.56	PPBV		99
73) DIBROMOCHLOROMETHANE	7.721	129	14205	0.49	PPBV		98
74) 1,2-DIBROMOETHANE	8.055	107	13114	0.53	PPBV		99
75) OCTANE	9.055	43	17337	0.55	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	10.113	131	10660	0.53	PPBV		97
78) CHLOROBENZENE	10.103	112	19943	0.55	PPBV		99
79) ETHYLBENZENE	10.988	91	32514	0.56	PPBV		100
80) M,P-XYLENE	11.409	91	51003	1.10	PPBV		94
81) O-XYLENE	12.341	91	25344	0.55	PPBV		99
82) STYRENE	12.136	104	18328	0.51	PPBV		99
83) NONANE	13.470	43	17721	0.55	PPBV		98
84) BROMOFORM	11.219	173	12250	0.49	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	12.351	83	17300	0.54	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	12.640	75	13495	0.52	PPBV	#	99
88) ISOPROPYLBENZENE	13.849	120	9703	0.52	PPBV		97
89) BROMOBENZENE	13.714	77	17543	0.51	PPBV		97
90) 2-CHLOROTOLUENE	14.849	126	8301	0.48	PPBV		99
91) N-PROPYLBENZENE	15.190	120	9518	0.49	PPBV		99
92) 4-ETHYLTOLUENE	15.640	105	34399	0.50	PPBV	#	99
93) 1,3,5-TRIMETHYLBENZENE	15.914	105	29336	0.51	PPBV		98
94) ALPHA-METHYLSTYRENE	16.209	118	13890	0.46	PPBV		98
95) TERT-BUTYLBENZENE	16.524	134	7147	0.52	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	29945	0.52	PPBV		100
97) BENZYL CHLORIDE	16.624	91	22336	0.41	PPBV		98
98) M-DICHLOROBENZENE	16.595	146	19313	0.48	PPBV		99
99) P-DICHLOROBENZENE	16.688	146	19478	0.50	PPBV		100
100) O-DICHLOROBENZENE	17.007	146	18748	0.51	PPBV		99
101) SEC-BUTYLBENZENE	16.836	134	8964	0.52	PPBV		99
102) 1,2,3-TRIMETHYLBENZENE	16.952	105	29312	0.51	PPBV		100
103) P-ISOPROPYLTOLUENE	17.029	134	9615	0.50	PPBV		95
104) N-BUTYLBENZENE	17.393	134	9503	0.50	PPBV		99
105) HEXACHLOROETHANE	17.573	117	10657	0.46	PPBV		98
106) HEXACHLOROBUTADIENE	18.630	225	13635	0.48	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.322	180	13109	0.36	PPBV		98
108) NAPHTHALENE	18.367	128	25591	0.32	PPBV		100
110) TVHC as equiv Pentane	2.271	TIC	31378m	0.58	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

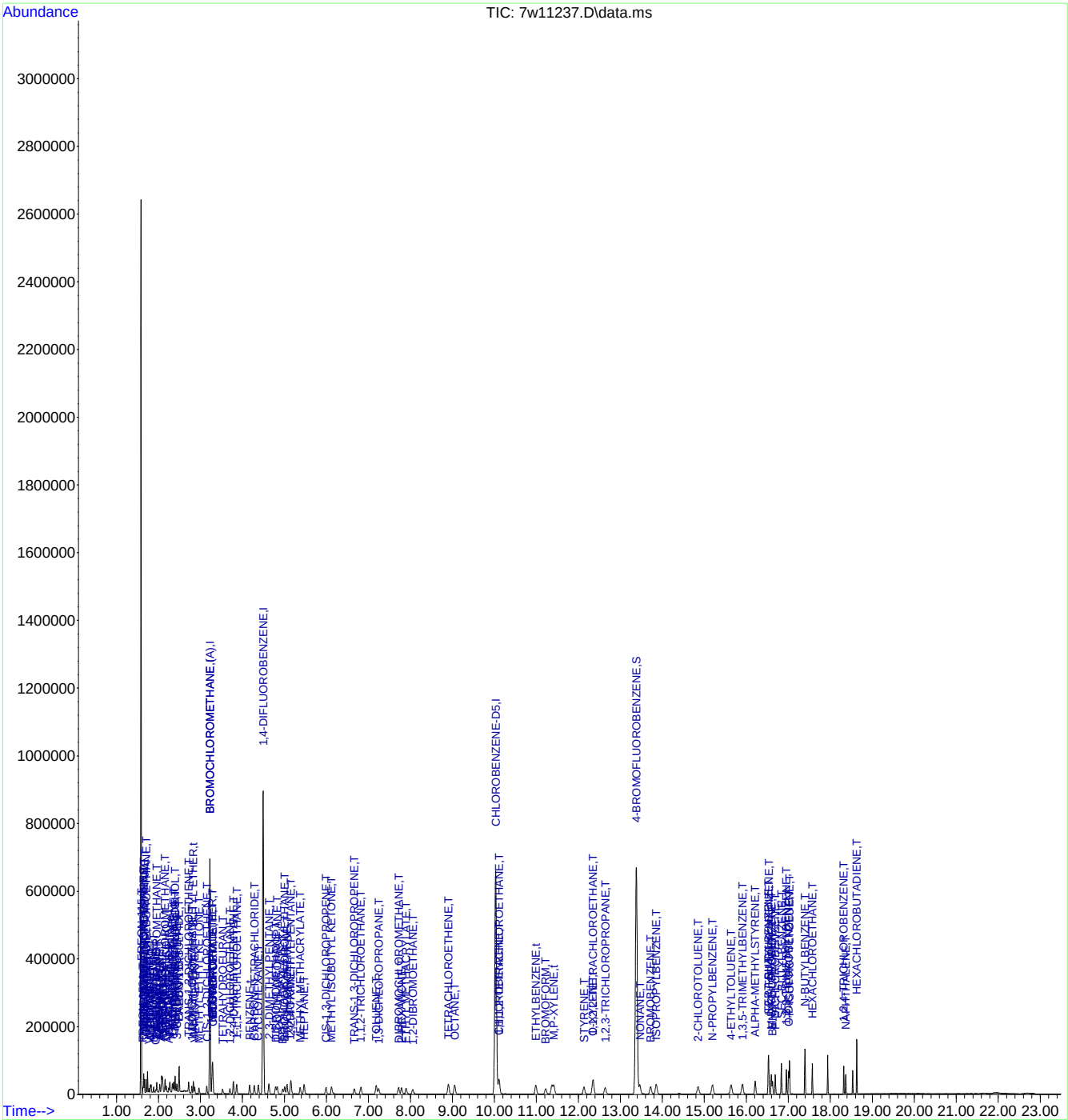
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration



Manual Integration Approval Summary

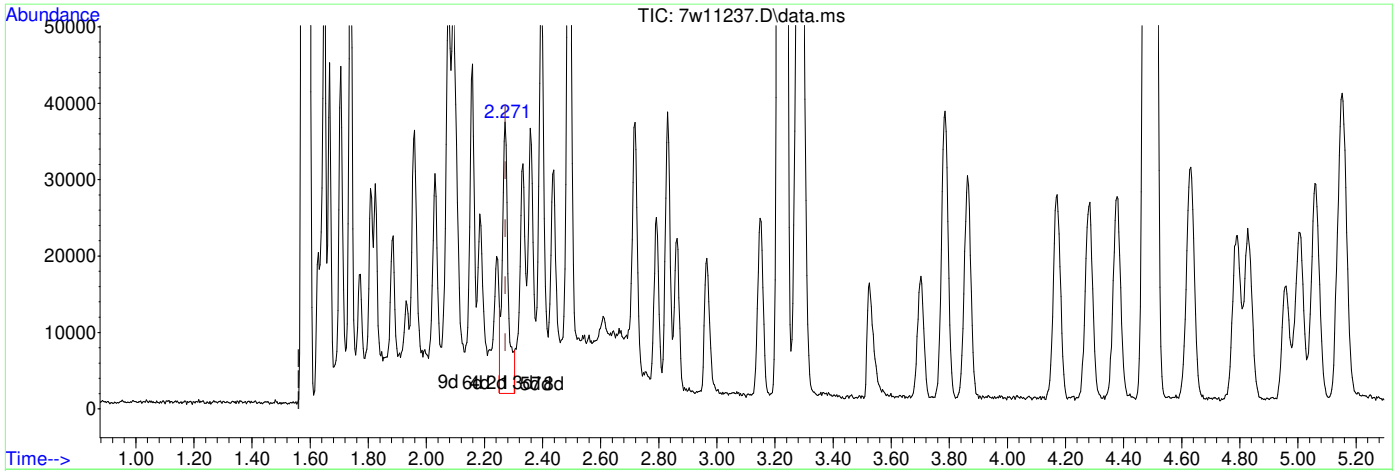
Sample Number:	V7W405-IC405	**Method:**	TO-15
Lab FileID:	7W11237.D	**Analyst approved:**	12/30/24 00:11 Kanya Veerawat
Injection Time:	12/28/24 11:51	**Supervisor approved:**	12/30/24 00:15 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		1.96	Poor instrument integration
TVHC As Equiv Pentane			2.27	Poor instrument integration
Methylene chloride	75-09-2		2.40	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration



TIC: 7w11237.D\data.ms

(110) TVHC as equiv Pentane

2.271min (-0.000) 0.90PPBV

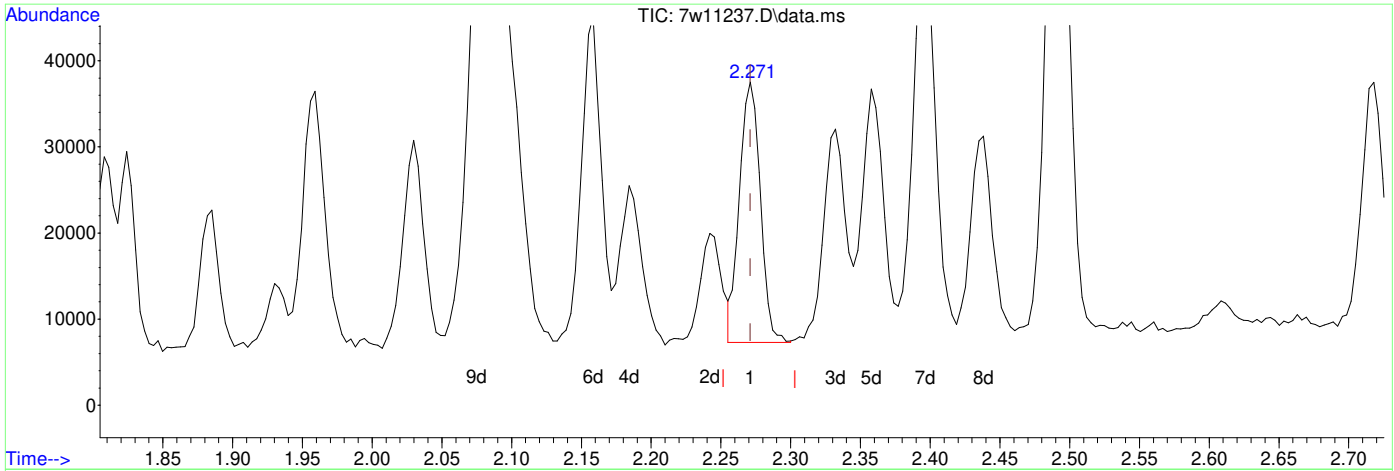
response 48575

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration



TIC: 7w11237.D\data.ms

(110) TVHC as equiv Pentane

2.271min (-0.000) 0.58PPBV m

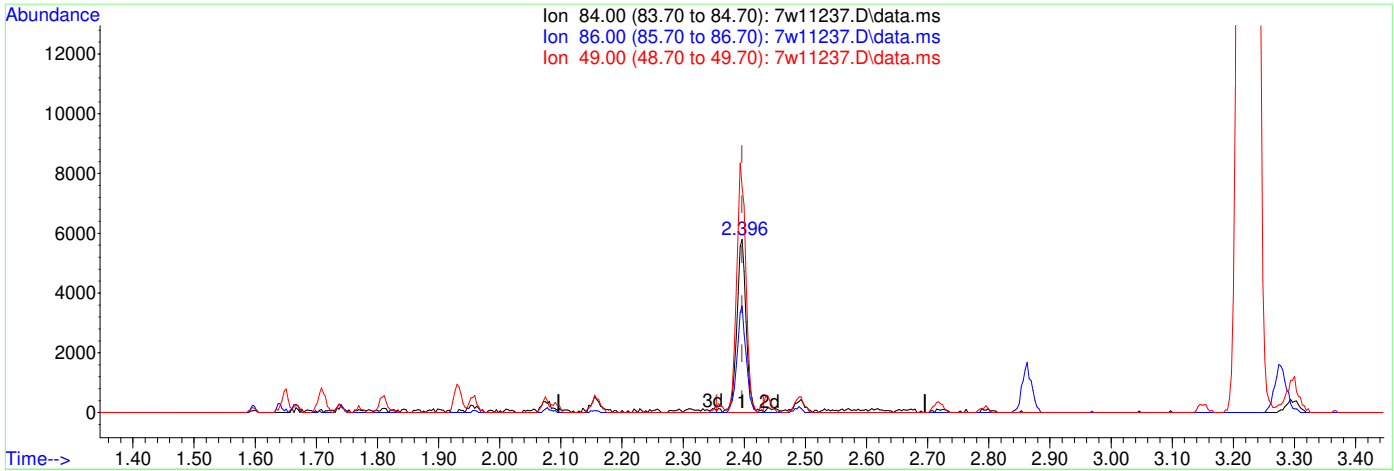
response 31378

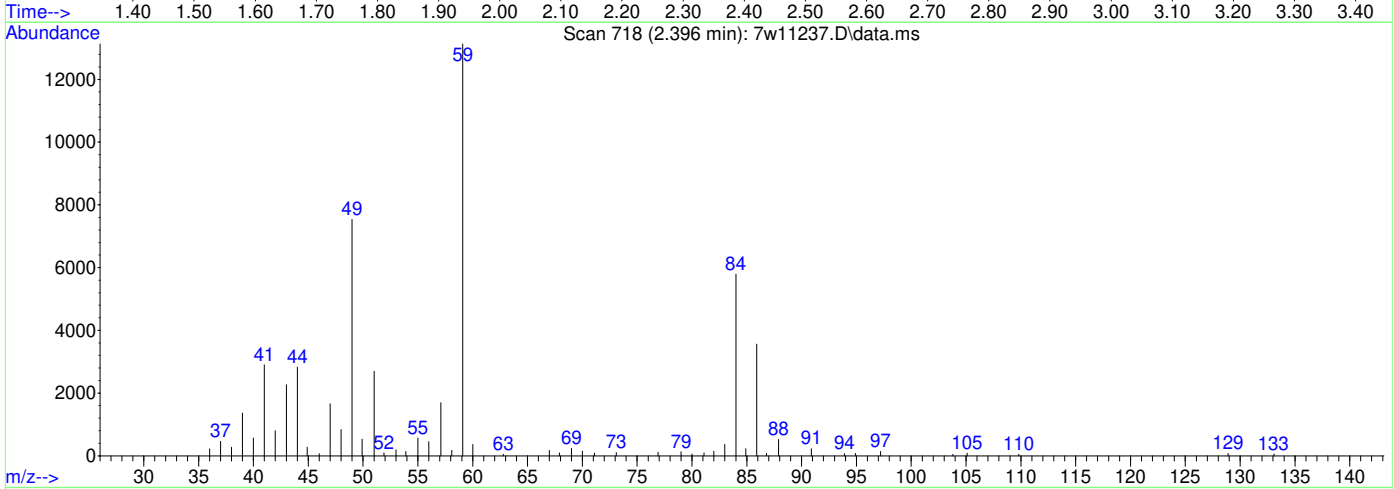
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(31) METHYLENE CHLORIDE (T)

2.396min (+0.000) 0.67PPBV

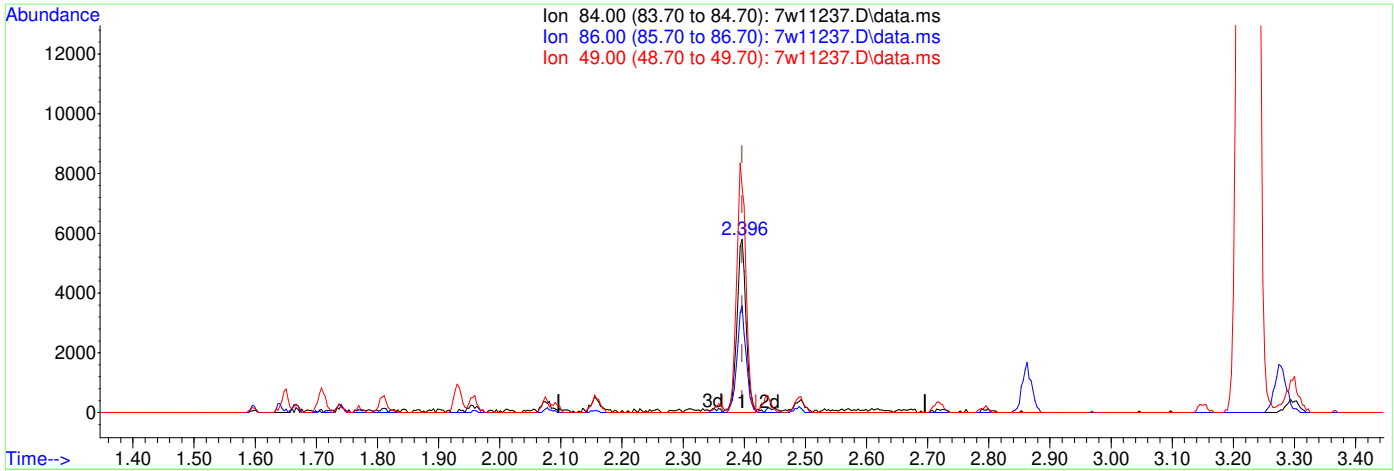
response 6163

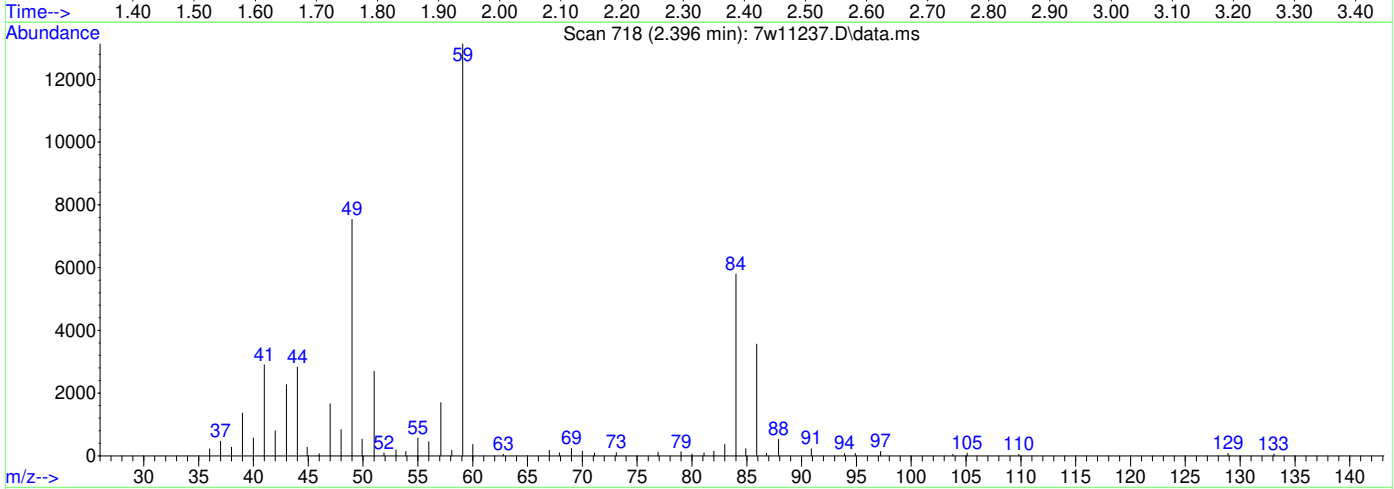
Ion	Exp%	Act%
84.00	100	100
86.00	65.70	59.99
49.00	148.40	145.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(31) METHYLENE CHLORIDE (T)

2.396min (+0.000) 0.66PPBV m

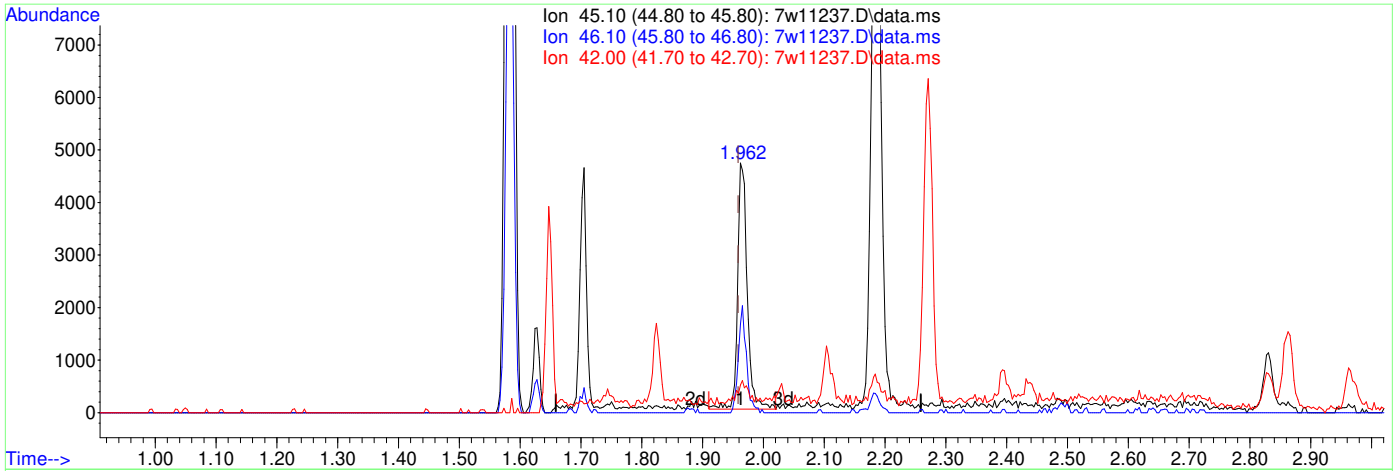
response 6063

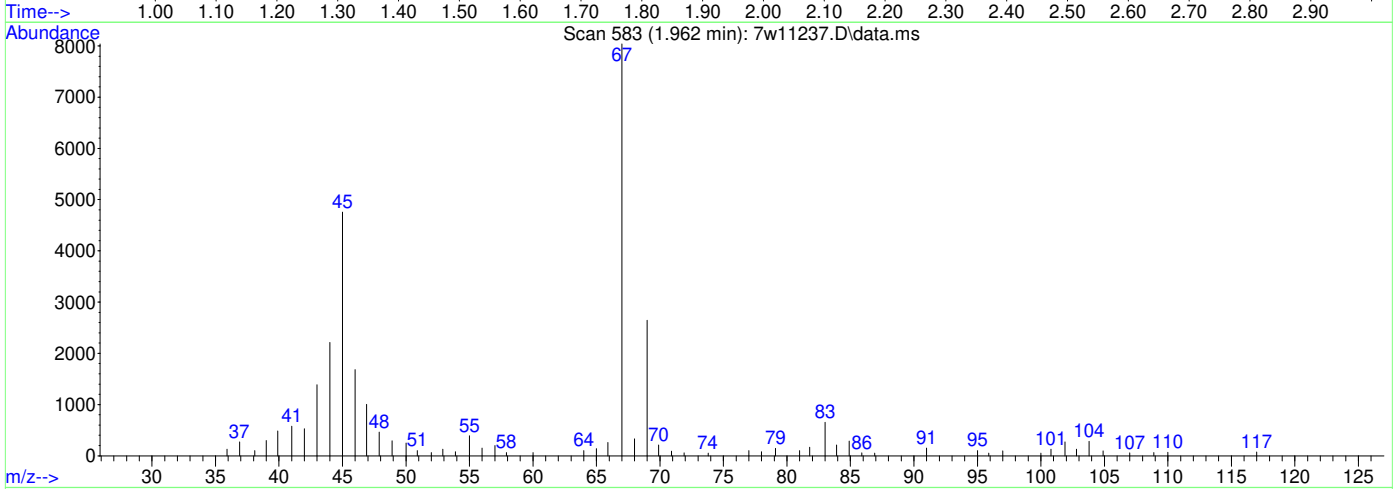
Ion	Exp%	Act%
84.00	100	100
86.00	65.70	60.98
49.00	148.40	148.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(28) ETHANOL (T)

1.962min (+0.003) 0.84PPBV

response 5104

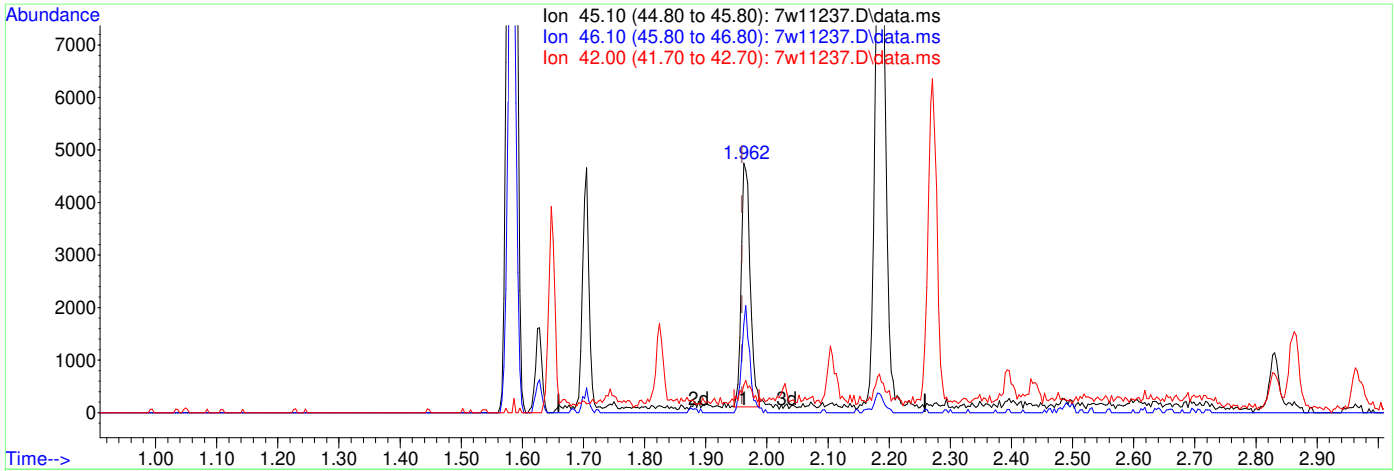
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	36.68
42.00	9.00	13.09#
0.00	0.00	0.00

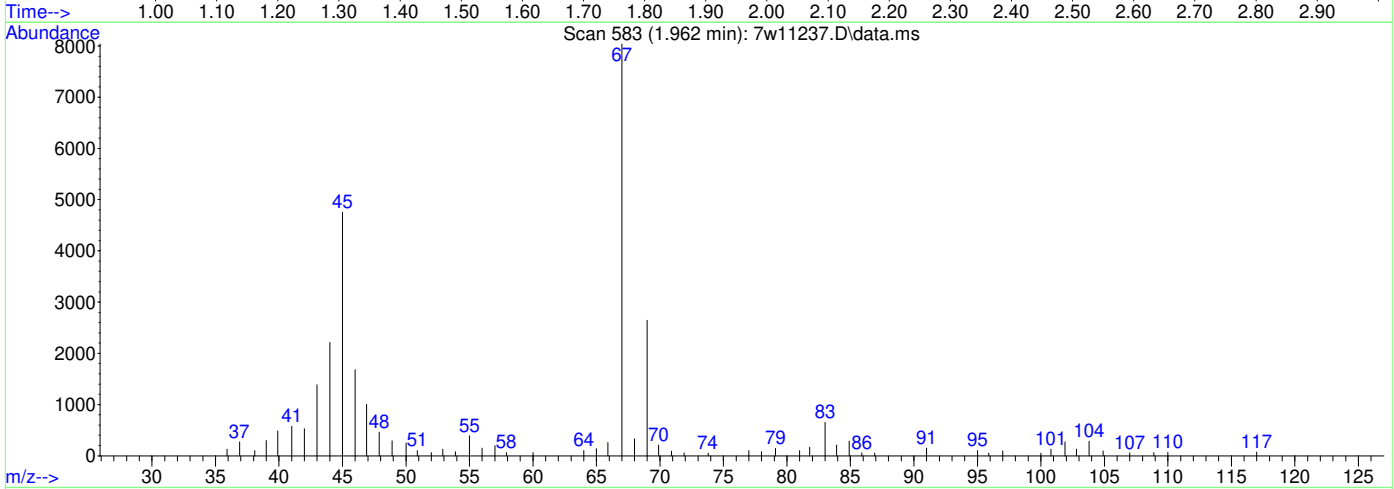
7W11237.D edits: ETHANOL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(28) ETHANOL (T)

1.962min (+0.003) 0.78PPBV m

response 4727

Ion	Exp%	Act%
45.10	100	100
46.10	40.80	39.60
42.00	9.00	14.13#
0.00	0.00	0.00

7W11237.D edits: ETHANOL

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	131992	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	667855	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	626654	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	131920	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	462248	10.08	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.599	119	10064	0.92	PPBV		94
3) FREON 152A	1.628	65	33700	5.21	PPBV		100
4) CHLORODIFLUOROMETHANE	1.641	67	15976	5.06	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	80059	5.13	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.670	85	173239	5.25	PPBV		99
7) PROPYLENE	1.650	41	41238	5.25	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	127875	5.29	PPBV		98
9) FREON 114	1.740	85	144861	5.50	PPBV		99
10) CHLOROMETHANE	1.711	52	15800	5.06	PPBV		96
11) VINYL CHLORIDE	1.773	62	57502	5.10	PPBV		99
12) 1,3-BUTADIENE	1.811	54	43964	5.19	PPBV		97
13) N-BUTANE	1.827	43	81043	5.16	PPBV		99
14) BROMOMETHANE	1.885	94	50054	5.27	PPBV		100
15) CHLOROETHANE	1.933	64	29393	5.09	PPBV		98
16) DICHLOROFLUOROMETHANE	1.959	67	120507	5.21	PPBV		99
17) ACETONITRILE	2.030	41	47324	4.94	PPBV		100
18) ACROLEIN	2.065	56	25829	5.10	PPBV		96
19) FREON 123	2.078	83	127410	5.25	PPBV		99
20) FREON 123A	2.094	117	83554	5.51	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.162	101	156031	5.30	PPBV		99
22) ISOPROPYL ALCOHOL	2.191	45	120912	5.38	PPBV		98
23) ACETONE	2.107	58	31346	5.48	PPBV		99
24) PENTANE	2.274	42	59564	5.29	PPBV		99
25) IODOMETHANE	2.335	142	150640	5.59	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.364	96	56281	5.40	PPBV		97
27) CARBON DISULFIDE	2.496	76	148579	5.14	PPBV		97
28) ETHANOL	1.969	45	36620	6.22	PPBV		99
29) BROMOETHENE	2.036	106	54180	5.33	PPBV		99
30) ACRYLONITRILE	2.245	52	43642	5.65	PPBV		98
31) METHYLENE CHLORIDE	2.400	84	49865	5.35	PPBV		99
32) 3-CHLOROPROPENE	2.441	76	27594	5.21	PPBV		97
33) FREON 113	2.496	151	94391	5.44	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.721	96	59643	5.32	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.396	59	139322	5.10	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.830	73	179162	5.34	PPBV		97
37) TETRAHYDROFURAN	3.518	72	29434	5.26	PPBV		97
38) HEXANE	3.281	57	107163	5.24	PPBV		99
39) VINYL ACETATE	2.866	86	15656	4.82	PPBV		94
40) 1,1-DICHLOROETHANE	2.795	63	112446	5.24	PPBV		99
41) METHYL ETHYL KETONE	2.962	72	31098	5.28	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.152	96	64258	5.22	PPBV		100
43) DIISOPROPYL ETHER	3.284	59	31191	5.39	PPBV		97
44) ETHYL ACETATE	3.290	61	22898	5.46	PPBV		96
45) METHYL ACRYLATE	3.274	55	129647	5.28	PPBV	#	100
46) CHLOROFORM	3.300	83	128139	5.33	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.792	57	123380	5.22	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.866	97	138013	5.27	PPBV		99
49) CARBON TETRACHLORIDE	4.287	117	143015	5.07	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 1,2-DICHLOROETHANE	3.705	62	97467	5.27	PPBV	100
51) BENZENE	4.174	78	184175	5.34	PPBV	100
53) CYCLOHEXANE	4.383	84	81438	5.13	PPBV	98
54) 2,3-DIMETHYLPENTANE	4.634	71	42493	5.21	PPBV	99
55) TRICHLOROETHENE	5.062	95	88289	5.08	PPBV	98
56) 1,2-DICHLOROPROPANE	4.834	63	73869	5.04	PPBV	99
57) DIBROMOMETHANE	4.792	174	75119	4.95	PPBV	99
58) ETHYL ACRYLATE	4.956	55	163994	5.11	PPBV	99
59) BROMODICHLOROMETHANE	5.010	83	141102	4.96	PPBV	99
60) 2,2,4-TRIMETHYLPENTANE	5.158	57	343171	5.32	PPBV	99
61) 1,4-DIOXANE	5.116	88	52796	5.80	PPBV #	63
62) HEPTANE	5.470	43	118231	5.24	PPBV	100
63) METHYL METHACRYLATE	5.370	69	74099	5.29	PPBV	99
64) METHYL ISOBUTYL KETONE	6.116	58	72901	5.68	PPBV	99
65) CIS-1,3-DICHLOROPROPENE	5.991	75	121502	5.04	PPBV	99
66) TOLUENE	7.190	91	236256	5.07	PPBV	100
67) 1,3-DICHLOROPROPANE	7.248	76	116018	5.06	PPBV	99
68) TRANS-1,3-DICHLOROPROPENE	6.666	75	106931	4.69	PPBV	99
69) 1,1,2-TRICHLOROETHANE	6.821	83	68331	5.17	PPBV	99
70) 2-HEXANONE	7.801	58	133890	7.43	PPBV	99
71) ETHYL METHACRYLATE	7.898	69	127278	5.21	PPBV	95
72) TETRACHLOROETHENE	8.911	164	96143	5.35	PPBV	99
73) DIBROMOCHLOROMETHANE	7.721	129	138711	4.71	PPBV	100
74) 1,2-DIBROMOETHANE	8.058	107	131144	5.20	PPBV	100
75) OCTANE	9.062	43	163300	5.13	PPBV	100
77) 1,1,1,2-TETRACHLOROETHANE	10.120	131	106207	5.07	PPBV	99
78) CHLOROBENZENE	10.110	112	195164	5.17	PPBV	99
79) ETHYLBENZENE	10.991	91	318088	5.28	PPBV	100
80) M,P-XYLENE	11.412	91	497734	10.31	PPBV	98
81) O-XYLENE	12.348	91	254047	5.25	PPBV	99
82) STYRENE	12.136	104	193679	5.16	PPBV	99
83) NONANE	13.470	43	175616	5.23	PPBV	99
84) BROMOFORM	11.226	173	124504	4.75	PPBV	100
85) 1,1,2,2-TETRACHLOROETHANE	12.361	83	175404	5.22	PPBV	100
86) 1,2,3-TRICHLOROPROPANE	12.644	75	139660	5.10	PPBV	100
88) ISOPROPYLBENZENE	13.856	120	98143	5.06	PPBV	97
89) BROMOBENZENE	13.724	77	176709	4.96	PPBV	99
90) 2-CHLOROTOLUENE	14.856	126	88415	4.88	PPBV	99
91) N-PROPYLBENZENE	15.193	120	103410	5.07	PPBV	100
92) 4-ETHYLTOLUENE	15.640	105	367789	5.15	PPBV	99
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	310860	5.20	PPBV	100
94) ALPHA-METHYLSTYRENE	16.212	118	154089	4.85	PPBV	99
95) TERT-BUTYLBENZENE	16.528	134	76413	5.38	PPBV	99
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	317907	5.29	PPBV	100
97) BENZYL CHLORIDE	16.627	91	263588	4.58	PPBV	100
98) M-DICHLOROBENZENE	16.598	146	201910	4.83	PPBV	100
99) P-DICHLOROBENZENE	16.692	146	204152	5.04	PPBV	99
100) O-DICHLOROBENZENE	17.010	146	192317	4.98	PPBV	99
101) SEC-BUTYLBENZENE	16.839	134	95434	5.29	PPBV	99
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	305447	5.07	PPBV	100
103) P-ISOPROPYLTOLUENE	17.032	134	104354	5.27	PPBV	100
104) N-BUTYLBENZENE	17.396	134	101938	5.14	PPBV	99
105) HEXACHLOROETHANE	17.576	117	121825	4.99	PPBV	99
106) HEXACHLOROBUTADIENE	18.634	225	147583	5.03	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.322	180	175966	4.63	PPBV	100
108) NAPHTHALENE	18.370	128	372235	4.46	PPBV	100
110) TVHC as equiv Pentane	2.274	TIC	296961	5.41	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

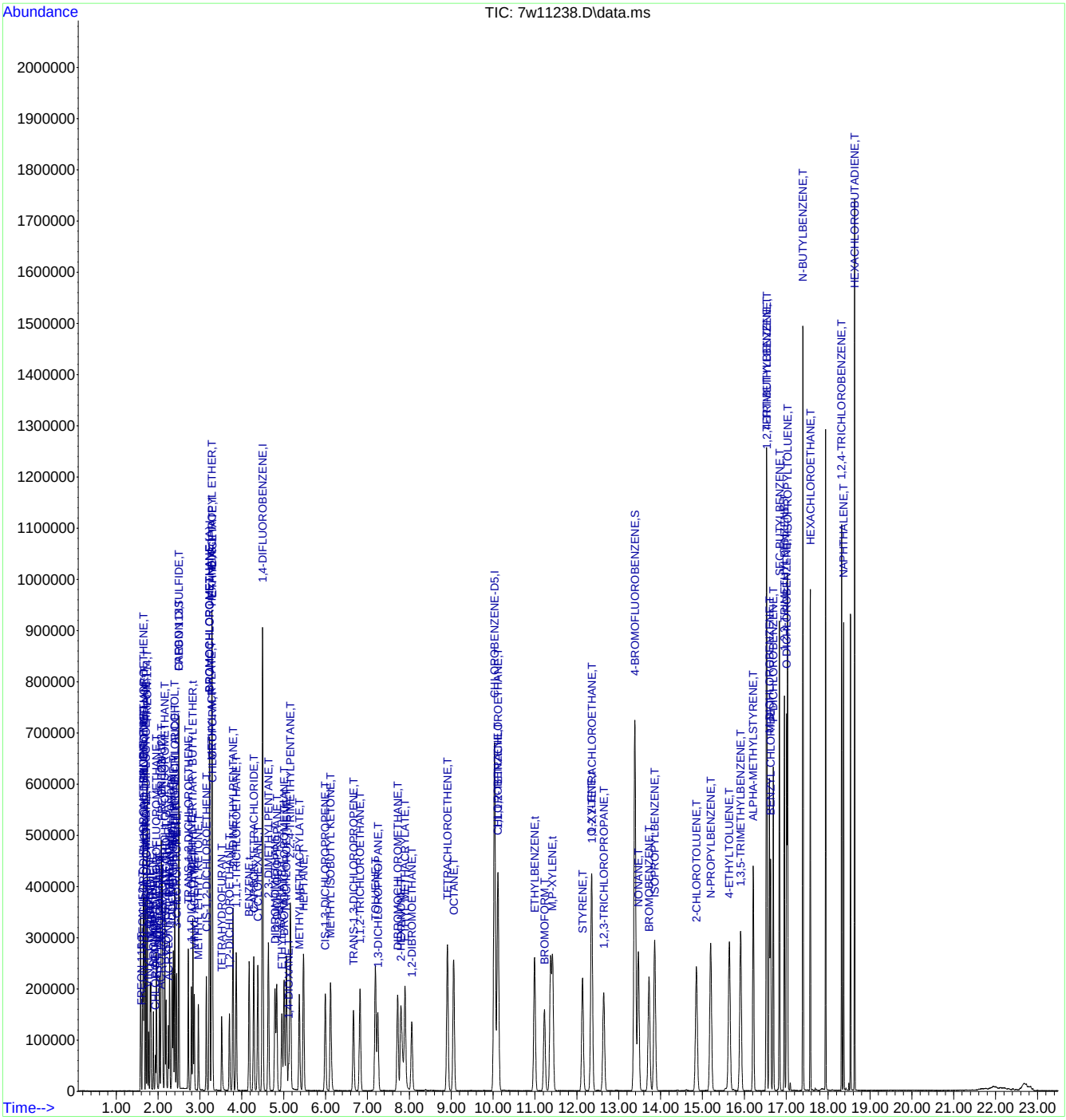
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	131378	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	659033	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.033	117	616113	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	131378	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	447162	10.73	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	159197	74.09	PPBV		90
3) FREON 152A	1.625	65	70619	11.74	PPBV		87
4) CHLORODIFLUOROMETHANE	1.638	67	34075	14.82	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.651	116	169558	10.01	PPBV	#	55
6) DICHLORODIFLUOROMETHANE	1.663	85	361796	7.33	PPBV		97
7) PROPYLENE	1.647	41	87865	8.50	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	266833	7.04	PPBV		97
9) FREON 114	1.737	85	300840	8.01	PPBV		92
10) CHLOROMETHANE	1.708	52	33563	7.85	PPBV		94
11) VINYL CHLORIDE	1.769	62	119055	8.61	PPBV		97
12) 1,3-BUTADIENE	1.808	54	94033	8.95	PPBV	#	80
13) N-BUTANE	1.824	43	174592	7.87	PPBV		97
14) BROMOMETHANE	1.882	94	103381	7.11	PPBV		99
15) CHLOROETHANE	1.930	64	61993	8.71	PPBV		95
16) DICHLOROFLUOROMETHANE	1.956	67	253114	7.73	PPBV		97
17) ACETONITRILE	2.023	41	99368	6.46	PPBV		98
18) ACROLEIN	2.062	56	53905	7.69	PPBV		100
19) FREON 123	2.075	83	265342	7.41	PPBV		97
20) FREON 123A	2.091	117	174347	7.60	PPBV		95
21) TRICHLOROFLUOROMETHANE	2.155	101	327408	6.55	PPBV		100
22) ISOPROPYL ALCOHOL	2.175	45	247379	7.31	PPBV		96
23) ACETONE	2.101	58	61121	7.39	PPBV		73
24) PENTANE	2.271	42	126473	7.40	PPBV		95
25) IODOMETHANE	2.332	142	309671	7.54	PPBV		85
26) 1,1-DICHLOROETHYLENE	2.358	96	115617	7.71	PPBV		91
27) CARBON DISULFIDE	2.493	76	317177	9.43	PPBV	#	89
28) ETHANOL	1.959	45	62292	5.92	PPBV		99
29) BROMOETHENE	2.030	106	112928	7.39	PPBV		96
30) ACRYLONITRILE	2.239	52	88292	8.10	PPBV		99
31) METHYLENE CHLORIDE	2.396	84	101654	7.33	PPBV		99
32) 3-CHLOROPROPENE	2.435	76	57302	8.22	PPBV		79
33) FREON 113	2.490	151	193605	6.66	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	2.718	96	121649	7.89	PPBV		82
35) TERTIARY BUTYL ALCOHOL	2.374	59	282192	7.69	PPBV		93
36) METHYL TERTIARY BUTYL ...	2.824	73	375375	11.26	PPBV		96
37) TETRAHYDROFURAN	3.506	72	60165	8.30	PPBV		99
38) HEXANE	3.274	57	225309	9.57	PPBV		99
39) VINYL ACETATE	2.859	86	34415	8.74	PPBV		87
40) 1,1-DICHLOROETHANE	2.792	63	238292	11.30	PPBV		98
41) METHYL ETHYL KETONE	2.956	72	65627	8.91	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.149	96	136752	8.67	PPBV	#	78
43) DIISOPROPYL ETHER	3.281	59	65052	9.34	PPBV		86
44) ETHYL ACETATE	3.284	61	47399	8.74	PPBV		89
45) METHYL ACRYLATE	3.271	55	274676	9.87	PPBV	#	98
46) CHLOROFORM	3.297	83	272447	9.74	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.785	57	264908	10.43	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.863	97	291408	11.12	PPBV	#	100
49) CARBON TETRACHLORIDE	4.281	117	312176	12.66	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	207916	14.06	PPBV	#	96
51) BENZENE	4.171	78	391264	8.99	PPBV		89
53) CYCLOHEXANE	4.377	84	176001	9.71	PPBV		86
54) 2,3-DIMETHYLPENTANE	4.631	71	90898	9.87	PPBV		87
55) TRICHLOROETHENE	5.062	95	186075	9.84	PPBV		89
56) 1,2-DICHLOROPROPANE	4.827	63	156355	10.04	PPBV		92
57) DIBROMOMETHANE	4.789	174	163006	10.89	PPBV		88
58) ETHYL ACRYLATE	4.949	55	347446	10.77	PPBV		97
59) BROMODICHLOROMETHANE	5.007	83	305589	11.32	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.155	57	711259	10.97	PPBV		97
61) 1,4-DIOXANE	5.078	88	98611	8.03	PPBV		86
62) HEPTANE	5.467	43	252921	10.32	PPBV		98
63) METHYL METHACRYLATE	5.367	69	155284	10.18	PPBV		95
64) METHYL ISOBUTYL KETONE	6.094	58	141262	9.65	PPBV		92
65) CIS-1,3-DICHLOROPROPENE	5.988	75	260974	11.14	PPBV		92
66) TOLUENE	7.190	91	501403	9.17	PPBV		98
67) 1,3-DICHLOROPROPANE	7.245	76	248146	10.14	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.663	75	233274	11.52	PPBV		96
69) 1,1,2-TRICHLOROETHANE	6.821	83	143467	9.13	PPBV		96
70) 2-HEXANONE	7.756	58	195827	9.35	PPBV		95
71) ETHYL METHACRYLATE	7.888	69	260347	9.94	PPBV		98
72) TETRACHLOROETHENE	8.907	164	198985	11.49	PPBV		96
73) DIBROMOCHLOROMETHANE	7.721	129	308021	12.06	PPBV		100
74) 1,2-DIBROMOETHANE	8.055	107	281582	10.52	PPBV		99
75) OCTANE	9.059	43	351937	10.13	PPBV		95
77) 1,1,1,2-TETRACHLOROETHANE	10.120	131	230902	11.97	PPBV		97
78) CHLOROBENZENE	10.110	112	416067	9.97	PPBV		97
79) ETHYLBENZENE	10.988	91	677850	9.63	PPBV		99
80) M,P-XYLENE	11.419	91	1056677	19.39	PPBV		96
81) O-XYLENE	12.345	91	537862	9.76	PPBV		99
82) STYRENE	12.132	104	417847	9.89	PPBV		94
83) NONANE	13.470	43	371464	9.82	PPBV		89
84) BROMOFORM	11.226	173	280283	12.71	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	12.361	83	374106	8.64	PPBV	#	97
86) 1,2,3-TRICHLOROPROPANE	12.640	75	296227	10.40	PPBV		100
88) ISOPROPYLBENZENE	13.859	120	209134	9.89	PPBV		98
89) BROMOBENZENE	13.721	77	377278	10.25	PPBV		99
90) 2-CHLOROTOLUENE	14.849	126	189709	10.34	PPBV		100
91) N-PROPYLBENZENE	15.197	120	218536	10.09	PPBV		98
92) 4-ETHYLTOLUENE	15.640	105	780911	9.78	PPBV		96
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	651438	10.03	PPBV		97
94) ALPHA-METHYLSTYRENE	16.213	118	327935	9.46	PPBV		98
95) TERT-BUTYLBENZENE	16.528	134	157884	10.20	PPBV		88
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	662762	9.43	PPBV		94
97) BENZYL CHLORIDE	16.627	91	587334	9.57	PPBV	#	93
98) M-DICHLOROBENZENE	16.598	146	434222	9.56	PPBV	#	100
99) P-DICHLOROBENZENE	16.692	146	438983	9.89	PPBV		98
100) O-DICHLOROBENZENE	17.007	146	411459	9.52	PPBV		99
101) SEC-BUTYLBENZENE	16.836	134	198439	9.99	PPBV	#	1
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	642624	9.11	PPBV		97
103) P-ISOPROPYLTOLUENE	17.029	134	216933	9.81	PPBV	#	100
104) N-BUTYLBENZENE	17.393	134	214010	9.26	PPBV	#	1
105) HEXACHLOROETHANE	17.573	117	268359	10.15	PPBV		95
106) HEXACHLOROBUTADIENE	18.631	225	315642	11.07	PPBV	#	1
107) 1,2,4-TRICHLOROBENZENE	18.319	180	394080	10.00	PPBV		99
108) NAPHTHALENE	18.367	128	863409	10.22	PPBV		100
110) TVHC as equiv Pentane	2.271	TIC	604399	7.36	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

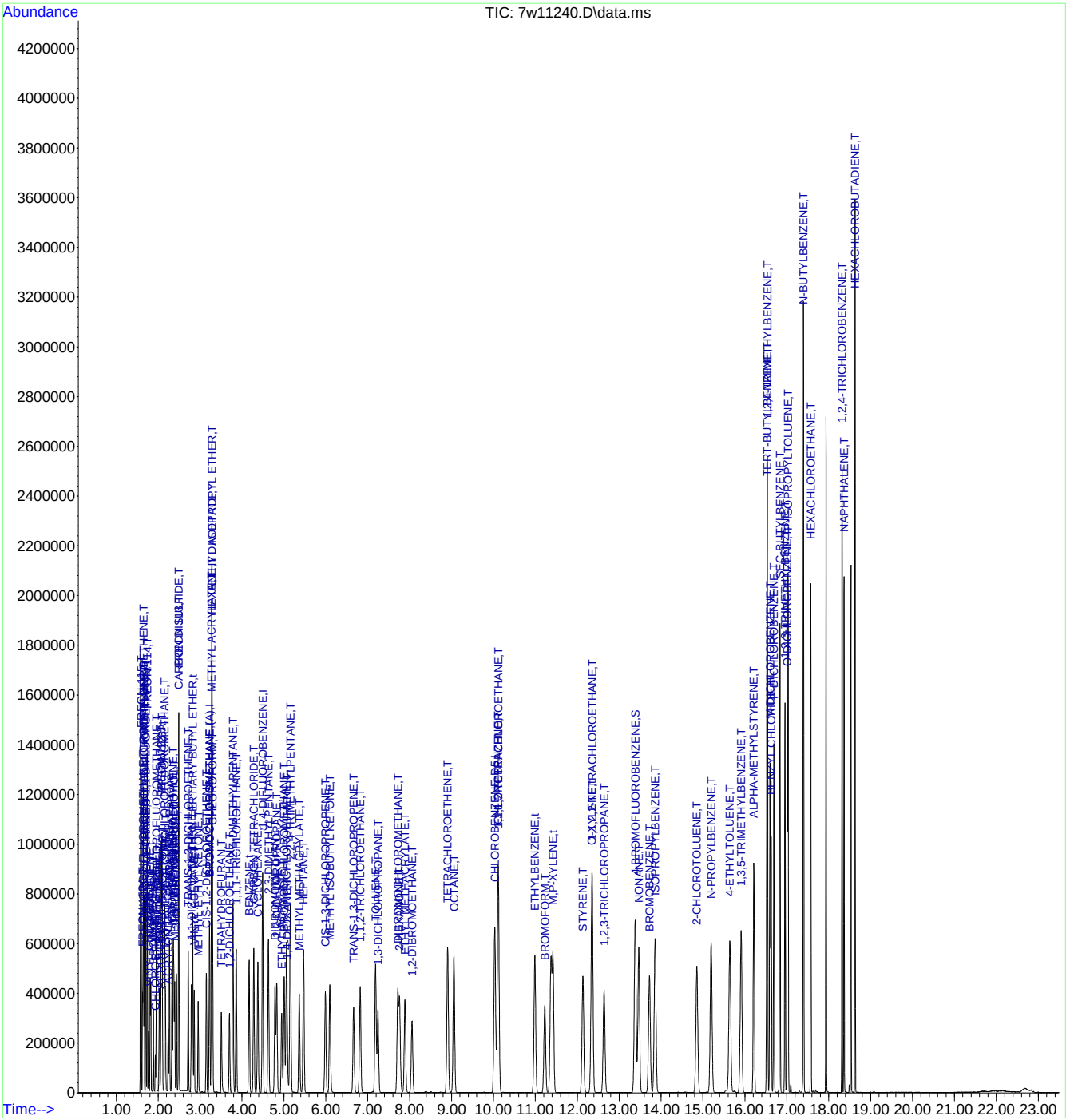
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	126854	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	638427	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	603108	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	126854	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	441368	10.06	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	306896	26.40	PPBV		99
3) FREON 152A	1.625	65	138617	22.37	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	66594	22.10	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	326020	21.56	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.667	85	699867	22.02	PPBV		100
7) PROPYLENE	1.647	41	169555	22.33	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	512499	21.75	PPBV		100
9) FREON 114	1.737	85	580240	22.76	PPBV		100
10) CHLOROMETHANE	1.708	52	64518	21.24	PPBV		99
11) VINYL CHLORIDE	1.769	62	232906	21.63	PPBV		99
12) 1,3-BUTADIENE	1.808	54	182551	22.51	PPBV		99
13) N-BUTANE	1.824	43	338097	22.35	PPBV		100
14) BROMOMETHANE	1.882	94	198021	21.52	PPBV		100
15) CHLOROETHANE	1.930	64	118969	21.35	PPBV		99
16) DICHLOROFLUOROMETHANE	1.956	67	488646	21.83	PPBV		100
17) ACETONITRILE	2.023	41	192313	21.06	PPBV		99
18) ACROLEIN	2.062	56	106570	22.10	PPBV		99
19) FREON 123	2.075	83	511901	21.82	PPBV		100
20) FREON 123A	2.094	117	333208	22.49	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.159	101	623390	21.54	PPBV		99
22) ISOPROPYL ALCOHOL	2.171	45	473419	21.61	PPBV		100
23) ACETONE	2.101	58	117725	21.30	PPBV		98
24) PENTANE	2.271	42	244309	22.30	PPBV		100
25) IODOMETHANE	2.332	142	591604	22.44	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	221667	21.84	PPBV		100
27) CARBON DISULFIDE	2.493	76	613010	21.98	PPBV		99
28) ETHANOL	1.959	45	118748	20.62	PPBV		100
29) BROMOETHENE	2.033	106	214598	21.70	PPBV		99
30) ACRYLONITRILE	2.242	52	169494	22.65	PPBV		99
31) METHYLENE CHLORIDE	2.396	84	194495	21.35	PPBV		97
32) 3-CHLOROPROPENE	2.438	76	110765	21.67	PPBV		99
33) FREON 113	2.493	151	367709	21.49	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.718	96	235716	21.81	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.371	59	539655	20.14	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.824	73	723428	22.26	PPBV		100
37) TETRAHYDROFURAN	3.506	72	117493	21.83	PPBV		98
38) HEXANE	3.277	57	430909	21.67	PPBV		99
39) VINYL ACETATE	2.859	86	67826	22.25	PPBV		97
40) 1,1-DICHLOROETHANE	2.792	63	457937	22.05	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	126630	22.17	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.149	96	263112	22.01	PPBV		99
43) DIISOPROPYL ETHER	3.281	59	125352	22.33	PPBV		99
44) ETHYL ACETATE	3.284	61	89942	21.78	PPBV		97
45) METHYL ACRYLATE	3.271	55	529034	22.22	PPBV	#	100
46) CHLOROFORM	3.300	83	516462	21.80	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.785	57	506373	22.17	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.863	97	564470	22.35	PPBV		100
49) CARBON TETRACHLORIDE	4.281	117	609663	22.69	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50)	1,2-DICHLOROETHANE	3.702	62	402638	22.56	PPBV	99
51)	BENZENE	4.171	78	755006	22.64	PPBV	100
53)	CYCLOHEXANE	4.377	84	339869	22.43	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.631	71	174649	22.38	PPBV	100
55)	TRICHLOROETHENE	5.062	95	359704	21.51	PPBV	100
56)	1,2-DICHLOROPROPANE	4.830	63	303407	21.63	PPBV	100
57)	DIBROMOMETHANE	4.789	174	312992	21.48	PPBV	100
58)	ETHYL ACRYLATE	4.946	55	676723	22.37	PPBV	100
59)	BROMODICHLOROMETHANE	5.007	83	587425	21.65	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	1375032	22.23	PPBV	100
61)	1,4-DIOXANE	5.072	88	186784	20.95	PPBV	98
62)	HEPTANE	5.470	43	488300	22.76	PPBV	100
63)	METHYL METHACRYLATE	5.367	69	299512	22.42	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.094	58	271987	22.01	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	507797	22.32	PPBV	100
66)	TOLUENE	7.190	91	973750	22.00	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	478931	21.95	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	458798	21.61	PPBV	99
69)	1,1,2-TRICHLOROETHANE	6.824	83	278027	22.03	PPBV	100
70)	2-HEXANONE	7.760	58	377518	21.81	PPBV	99
71)	ETHYL METHACRYLATE	7.891	69	506129	21.83	PPBV	100
72)	TETRACHLOROETHENE	8.911	164	383020	22.40	PPBV	99
73)	DIBROMOCHLOROMETHANE	7.721	129	613995	22.67	PPBV	100
74)	1,2-DIBROMOETHANE	8.062	107	545593	22.79	PPBV	99
75)	OCTANE	9.059	43	685319	22.86	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.126	131	451908	22.41	PPBV	100
78)	CHLOROBENZENE	10.113	112	814457	22.39	PPBV	100
79)	ETHYLBENZENE	10.991	91	1320164	22.74	PPBV	100
80)	M,P-XYLENE	11.422	91	2058784	44.15	PPBV	97
81)	O-XYLENE	12.351	91	1048912	22.42	PPBV	100
82)	STYRENE	12.136	104	820877	23.04	PPBV	100
83)	NONANE	13.476	43	726869	22.53	PPBV	100
84)	BROMOFORM	11.229	173	563890	23.16	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.364	83	732603	22.70	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.644	75	576776	21.83	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	409277	21.93	PPBV	100
89)	BROMOBENZENE	13.727	77	739407	21.57	PPBV	99
90)	2-CHLOROTOLUENE	14.859	126	371222	21.39	PPBV	100
91)	N-PROPYLBENZENE	15.200	120	428493	21.98	PPBV	100
92)	4-ETHYLTOLUENE	15.643	105	1547675	23.00	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	15.917	105	1290766	22.94	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.216	118	655690	22.20	PPBV	100
95)	TERT-BUTYLBENZENE	16.531	134	310716	22.85	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.541	105	1317303	23.21	PPBV	100
97)	BENZYL CHLORIDE	16.631	91	1195390	22.98	PPBV	100
98)	M-DICHLOROBENZENE	16.602	146	866695	22.10	PPBV	100
99)	P-DICHLOROBENZENE	16.695	146	880704	23.27	PPBV	99
100)	O-DICHLOROBENZENE	17.010	146	820370	22.71	PPBV	100
101)	SEC-BUTYLBENZENE	16.840	134	391899	22.95	PPBV	99
102)	1,2,3-TRIMETHYLBENZENE	16.959	105	1280395	22.70	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.032	134	426177	22.64	PPBV	99
104)	N-BUTYLBENZENE	17.396	134	426836	23.04	PPBV	99
105)	HEXACHLOROETHANE	17.573	117	540620	23.91	PPBV	100
106)	HEXACHLOROBUTADIENE	18.634	225	657155	24.71	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.322	180	830811	25.23	PPBV	100
108)	NAPHTHALENE	18.370	128	1764884	24.88	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	1194978	22.35	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

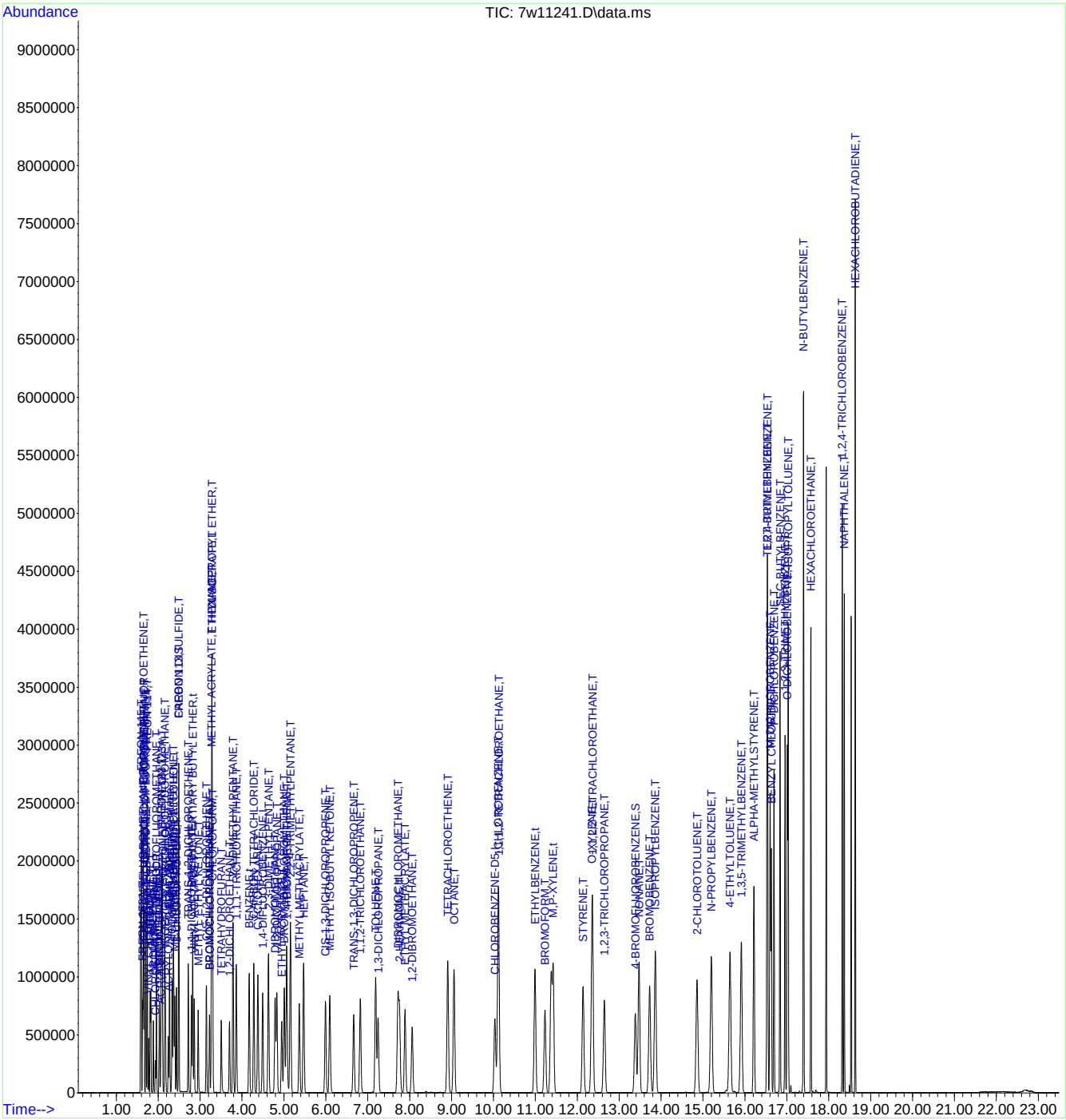
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	128392	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	638040	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	608914	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	128392	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	448477	10.10	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	78301	6.17	PPBV		99
3) FREON 152A	1.628	65	271083	42.58	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	132367	42.80	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.651	116	640501	41.48	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.667	85	1369137	42.02	PPBV		99
7) PROPYLENE	1.647	41	334942	43.23	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	992525	41.26	PPBV		99
9) FREON 114	1.737	85	1128910	43.25	PPBV		100
10) CHLOROMETHANE	1.708	52	126447	40.84	PPBV		99
11) VINYL CHLORIDE	1.770	62	457248	41.26	PPBV		99
12) 1,3-BUTADIENE	1.808	54	359850	43.23	PPBV		98
13) N-BUTANE	1.824	43	664309	42.89	PPBV		100
14) BROMOMETHANE	1.882	94	388703	41.40	PPBV		99
15) CHLOROETHANE	1.930	64	234917	41.29	PPBV		98
16) DICHLOROFLUOROMETHANE	1.956	67	953303	41.67	PPBV		99
17) ACETONITRILE	2.024	41	382342	40.79	PPBV		99
18) ACROLEIN	2.062	56	210760	42.45	PPBV		98
19) FREON 123	2.075	83	1007587	42.03	PPBV		99
20) FREON 123A	2.094	117	645065	42.70	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.159	101	1198641	40.71	PPBV		99
22) ISOPROPYL ALCOHOL	2.171	45	919602	41.21	PPBV		99
23) ACETONE	2.101	58	229086	40.49	PPBV		96
24) PENTANE	2.271	42	476107	42.62	PPBV		99
25) IODOMETHANE	2.332	142	1141436	42.49	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	433522	41.91	PPBV		98
27) CARBON DISULFIDE	2.493	76	1199868	41.99	PPBV		98
28) ETHANOL	1.959	45	231131	39.51	PPBV		99
29) BROMOETHENE	2.033	106	418405	41.48	PPBV		99
30) ACRYLONITRILE	2.242	52	329828	43.13	PPBV		98
31) METHYLENE CHLORIDE	2.397	84	377713	40.74	PPBV		99
32) 3-CHLOROPROPENE	2.438	76	216809	41.46	PPBV		98
33) FREON 113	2.493	151	702415	40.38	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.718	96	459126	41.44	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.371	59	1038619	38.07	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.824	73	1408890	42.40	PPBV		99
37) TETRAHYDROFURAN	3.503	72	230020	41.68	PPBV		98
38) HEXANE	3.278	57	841035	41.48	PPBV		99
39) VINYL ACETATE	2.860	86	135381	42.88	PPBV		96
40) 1,1-DICHLOROETHANE	2.792	63	894939	42.15	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	247507	42.44	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.152	96	508963	41.67	PPBV		98
43) DIISOPROPYL ETHER	3.281	59	242060	42.13	PPBV		100
44) ETHYL ACETATE	3.287	61	173891	41.49	PPBV		97
45) METHYL ACRYLATE	3.271	55	1030168	42.35	PPBV	#	100
46) CHLOROFORM	3.300	83	994566	41.35	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.786	57	995716	42.70	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.866	97	1104833	42.73	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	1201848	43.46	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50)	1,2-DICHLOROETHANE	3.702	62	786023	43.02	PPBV	100
51)	BENZENE	4.171	78	1476843	43.33	PPBV	100
53)	CYCLOHEXANE	4.380	84	660333	43.05	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.634	71	342659	43.55	PPBV	99
55)	TRICHLOROETHENE	5.065	95	697734	41.42	PPBV	100
56)	1,2-DICHLOROPROPANE	4.834	63	592598	41.86	PPBV	100
57)	DIBROMOMETHANE	4.792	174	613694	41.83	PPBV	100
58)	ETHYL ACRYLATE	4.953	55	1336385	43.54	PPBV	100
59)	BROMODICHLOROMETHANE	5.014	83	1156711	42.23	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	2680756	42.95	PPBV	100
61)	1,4-DIOXANE	5.072	88	360357	40.48	PPBV	97
62)	HEPTANE	5.474	43	959929	44.25	PPBV	100
63)	METHYL METHACRYLATE	5.367	69	588562	43.68	PPBV	98
64)	METHYL ISOBUTYL KETONE	6.094	58	531405	42.76	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	1007886	43.71	PPBV	100
66)	TOLUENE	7.194	91	1917193	42.81	PPBV	99
67)	1,3-DICHLOROPROPANE	7.252	76	942161	42.70	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.670	75	919599	42.50	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.827	83	546179	42.88	PPBV	100
70)	2-HEXANONE	7.760	58	734508	42.06	PPBV	98
71)	ETHYL METHACRYLATE	7.898	69	990940	42.20	PPBV	99
72)	TETRACHLOROETHENE	8.914	164	760618	44.10	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.724	129	1226800	44.15	PPBV	100
74)	1,2-DIBROMOETHANE	8.068	107	1076666	44.47	PPBV	100
75)	OCTANE	9.065	43	1356937	44.57	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.133	131	890891	43.21	PPBV	99
78)	CHLOROBENZENE	10.120	112	1599753	43.04	PPBV	99
79)	ETHYLBENZENE	10.997	91	2611736	44.06	PPBV	99
80)	M,P-XYLENE	11.428	91	4059078	85.31	PPBV	97
81)	O-XYLENE	12.358	91	2063787	43.28	PPBV	99
82)	STYRENE	12.145	104	1646434	45.06	PPBV	99
83)	NONANE	13.483	43	1444945	43.88	PPBV	99
84)	BROMOFORM	11.239	173	1131928	44.81	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.377	83	1439647	43.59	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.653	75	1138740	42.27	PPBV	100
88)	ISOPROPYLBENZENE	13.872	120	810452	42.53	PPBV	99
89)	BROMOBENZENE	13.737	77	1459071	41.64	PPBV	100
90)	2-CHLOROTOLUENE	14.865	126	737857	41.58	PPBV	100
91)	N-PROPYLBENZENE	15.206	120	861737	43.25	PPBV	99
92)	4-ETHYLTOLUENE	15.650	105	3111086	44.97	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	15.927	105	2621466	45.35	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.219	118	1342872	44.04	PPBV	100
95)	TERT-BUTYLBENZENE	16.537	134	619552	44.56	PPBV	98
96)	1,2,4-TRIMETHYLBENZENE	16.547	105	2668790	45.73	PPBV	99
97)	BENZYL CHLORIDE	16.634	91	2480317	45.63	PPBV	100
98)	M-DICHLOROBENZENE	16.608	146	1757061	43.47	PPBV	100
99)	P-DICHLOROBENZENE	16.698	146	1789106	45.79	PPBV	99
100)	O-DICHLOROBENZENE	17.017	146	1669395	44.86	PPBV	100
101)	SEC-BUTYLBENZENE	16.843	134	787041	44.86	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	16.962	105	2615378	45.01	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.036	134	851176	44.08	PPBV	99
104)	N-BUTYLBENZENE	17.399	134	867814	45.39	PPBV	99
105)	HEXACHLOROETHANE	17.576	117	1087679	46.31	PPBV	100
106)	HEXACHLOROBUTADIENE	18.634	225	1294963	46.02	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.325	180	1761750	50.35	PPBV	99
108)	NAPHTHALENE	18.373	128	3967394	52.90	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	2326791	42.64	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

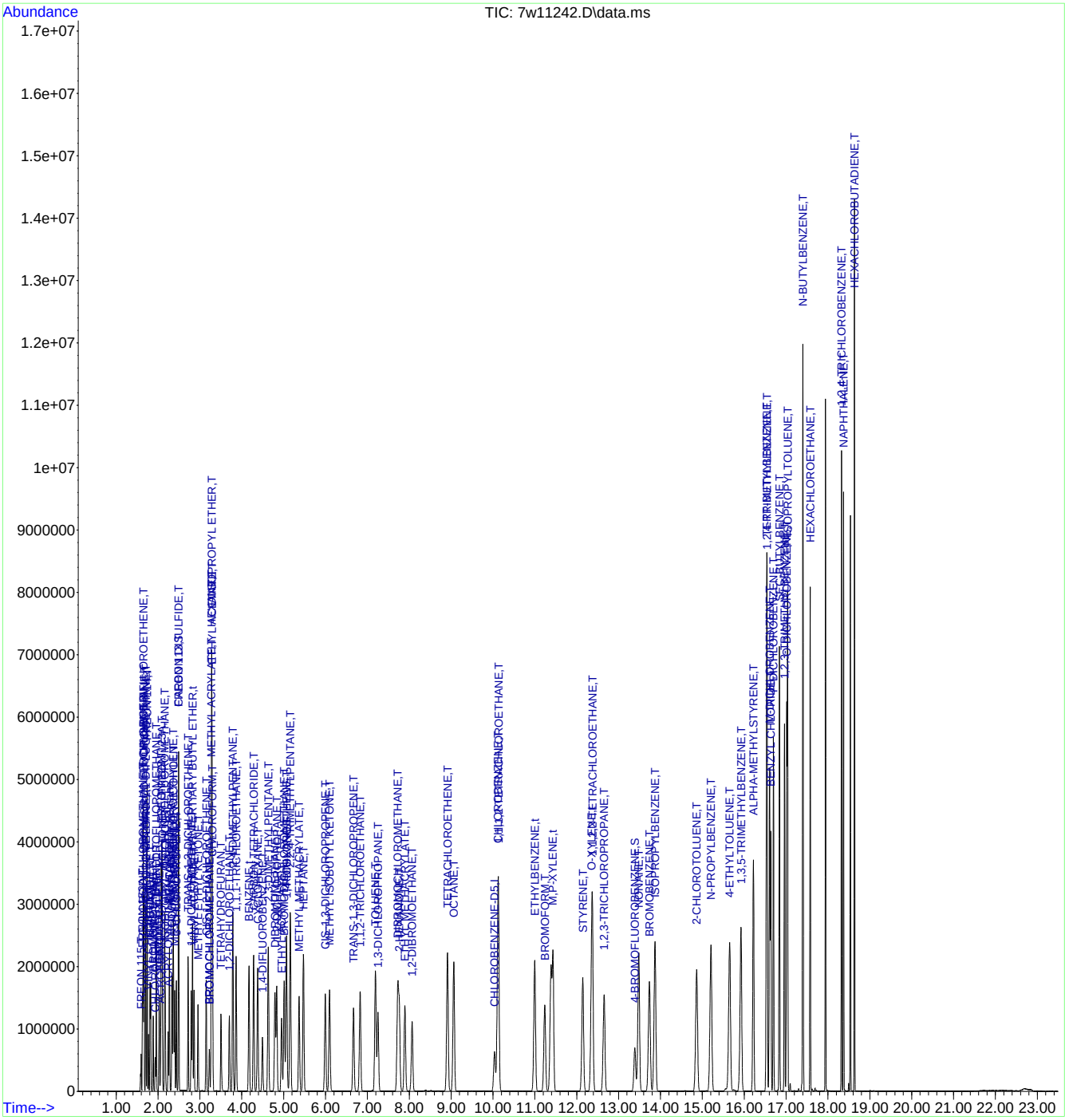
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	131520	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	651140	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	631688	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	131506	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.390	95	464012	10.05	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.599	119	741705	72.63	PPBV		100
3) FREON 152A	1.628	65	330254	50.71	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	159956	50.37	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.651	116	768882	48.76	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.667	85	1645131	49.40	PPBV		99
7) PROPYLENE	1.647	41	405917	51.25	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	1189703	48.61	PPBV		99
9) FREON 114	1.737	85	1353130	50.82	PPBV		100
10) CHLOROMETHANE	1.708	52	152465	48.29	PPBV		98
11) VINYL CHLORIDE	1.770	62	552847	48.68	PPBV		100
12) 1,3-BUTADIENE	1.808	54	438160	51.38	PPBV		98
13) N-BUTANE	1.824	43	801394	50.60	PPBV		99
14) BROMOMETHANE	1.882	94	469518	48.99	PPBV		99
15) CHLOROETHANE	1.930	64	286683	49.28	PPBV		98
16) DICHLOROFLUOROMETHANE	1.956	67	1156192	49.55	PPBV		99
17) ACETONITRILE	2.024	41	464245	48.23	PPBV		99
18) ACROLEIN	2.062	56	255031	50.01	PPBV		99
19) FREON 123	2.075	83	1209864	49.38	PPBV		99
20) FREON 123A	2.094	117	776496	50.55	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.159	101	1437566	48.14	PPBV		100
22) ISOPROPYL ALCOHOL	2.171	45	1119311	49.31	PPBV		99
23) ACETONE	2.101	58	279034	48.35	PPBV		94
24) PENTANE	2.271	42	578759	50.86	PPBV		98
25) IODOMETHANE	2.332	142	1380179	50.59	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	522266	49.55	PPBV		98
27) CARBON DISULFIDE	2.493	76	1448449	49.60	PPBV		97
28) ETHANOL	1.959	45	282775	47.56	PPBV		99
29) BROMOETHENE	2.030	106	504672	49.11	PPBV		99
30) ACRYLONITRILE	2.242	52	403117	51.71	PPBV		99
31) METHYLENE CHLORIDE	2.397	84	457423	48.53	PPBV		99
32) 3-CHLOROPROPENE	2.438	76	264624	49.56	PPBV		96
33) FREON 113	2.493	151	847049	48.11	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.718	96	555898	49.15	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.371	59	1254686	45.34	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.824	73	1709140	50.45	PPBV		100
37) TETRAHYDROFURAN	3.503	72	279916	49.61	PPBV		99
38) HEXANE	3.277	57	1018882	49.33	PPBV		98
39) VINYL ACETATE	2.863	86	164258	50.40	PPBV		100
40) 1,1-DICHLOROETHANE	2.795	63	1086544	50.15	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	300553	50.53	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.152	96	620942	49.96	PPBV		98
43) DIISOPROPYL ETHER	3.284	59	294295	50.32	PPBV		99
44) ETHYL ACETATE	3.287	61	210312	49.48	PPBV		98
45) METHYL ACRYLATE	3.274	55	1251870	50.49	PPBV	#	100
46) CHLOROFORM	3.303	83	1199986	49.23	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.789	57	1214203	50.98	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.866	97	1336098	50.59	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	1464922	51.64	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50)	1,2-DICHLOROETHANE	3.705	62	955960	51.25	PPBV	100
51)	BENZENE	4.175	78	1792719	51.55	PPBV	100
53)	CYCLOHEXANE	4.380	84	802582	51.32	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.634	71	416634	51.90	PPBV	99
55)	TRICHLOROETHENE	5.068	95	847031	49.44	PPBV	100
56)	1,2-DICHLOROPROPANE	4.837	63	718356	49.76	PPBV	100
57)	DIBROMOMETHANE	4.795	174	746491	49.91	PPBV	100
58)	ETHYL ACRYLATE	4.953	55	1632310	51.89	PPBV	100
59)	BROMODICHLOROMETHANE	5.014	83	1408411	50.31	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.162	57	3257100	51.21	PPBV	100
61)	1,4-DIOXANE	5.075	88	440803	48.96	PPBV	97
62)	HEPTANE	5.474	43	1173841	52.95	PPBV	100
63)	METHYL METHACRYLATE	5.371	69	720078	52.34	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.101	58	647296	51.17	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.998	75	1227694	51.89	PPBV	99
66)	TOLUENE	7.197	91	2335761	50.98	PPBV	99
67)	1,3-DICHLOROPROPANE	7.258	76	1144657	50.75	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.673	75	1120807	50.23	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.827	83	664842	51.12	PPBV	100
70)	2-HEXANONE	7.766	58	885743	49.80	PPBV	99
71)	ETHYL METHACRYLATE	7.901	69	1209704	50.42	PPBV	99
72)	TETRACHLOROETHENE	8.917	164	924639	52.38	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.724	129	1501535	52.28	PPBV	100
74)	1,2-DIBROMOETHANE	8.075	107	1306005	52.72	PPBV	100
75)	OCTANE	9.068	43	1653400	52.92	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.136	131	1082043	50.59	PPBV	100
78)	CHLOROBENZENE	10.123	112	1946099	50.52	PPBV	99
79)	ETHYLBENZENE	11.001	91	3179194	51.68	PPBV	99
80)	M,P-XYLENE	11.435	91	4921035	99.78	PPBV	98
81)	O-XYLENE	12.361	91	2517379	50.98	PPBV	99
82)	STYRENE	12.149	104	2010092	52.71	PPBV	99
83)	NONANE	13.486	43	1757408	51.36	PPBV	99
84)	BROMOFORM	11.242	173	1393708	52.57	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.380	83	1753514	51.18	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.660	75	1387618	49.69	PPBV	100
88)	ISOPROPYLBENZENE	13.875	120	989751	50.03	PPBV	99
89)	BROMOBENZENE	13.740	77	1780294	48.96	PPBV	100
90)	2-CHLOROTOLUENE	14.872	126	902403	48.90	PPBV	100
91)	N-PROPYLBENZENE	15.209	120	1049686	50.53	PPBV	100
92)	4-ETHYLTOLUENE	15.656	105	3853366	53.27	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.927	105	3207147	52.95	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.226	118	1650946	51.44	PPBV	100
95)	TERT-BUTYLBENZENE	16.537	134	754397	52.14	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.550	105	3224984	52.75	PPBV	99
97)	BENZYL CHLORIDE	16.637	91	3059411	52.97	PPBV	100
98)	M-DICHLOROBENZENE	16.608	146	2144105	50.56	PPBV	100
99)	P-DICHLOROBENZENE	16.701	146	2186003	53.27	PPBV	99
100)	O-DICHLOROBENZENE	17.016	146	2046435	52.38	PPBV	100
101)	SEC-BUTYLBENZENE	16.846	134	958582	52.29	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	16.965	105	3193608	52.30	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.039	134	1037323	51.52	PPBV	100
104)	N-BUTYLBENZENE	17.402	134	1055468	52.54	PPBV	98
105)	HEXACHLOROETHANE	17.579	117	1337599	54.18	PPBV	99
106)	HEXACHLOROBUTADIENE	18.640	225	1579214	53.23	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.328	180	2214716	58.74	PPBV	99
108)	NAPHTHALENE	18.377	128	5075640	61.94	PPBV	99
110)	TVHC as equiv Pentane	2.271	TIC	2805792	50.47	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

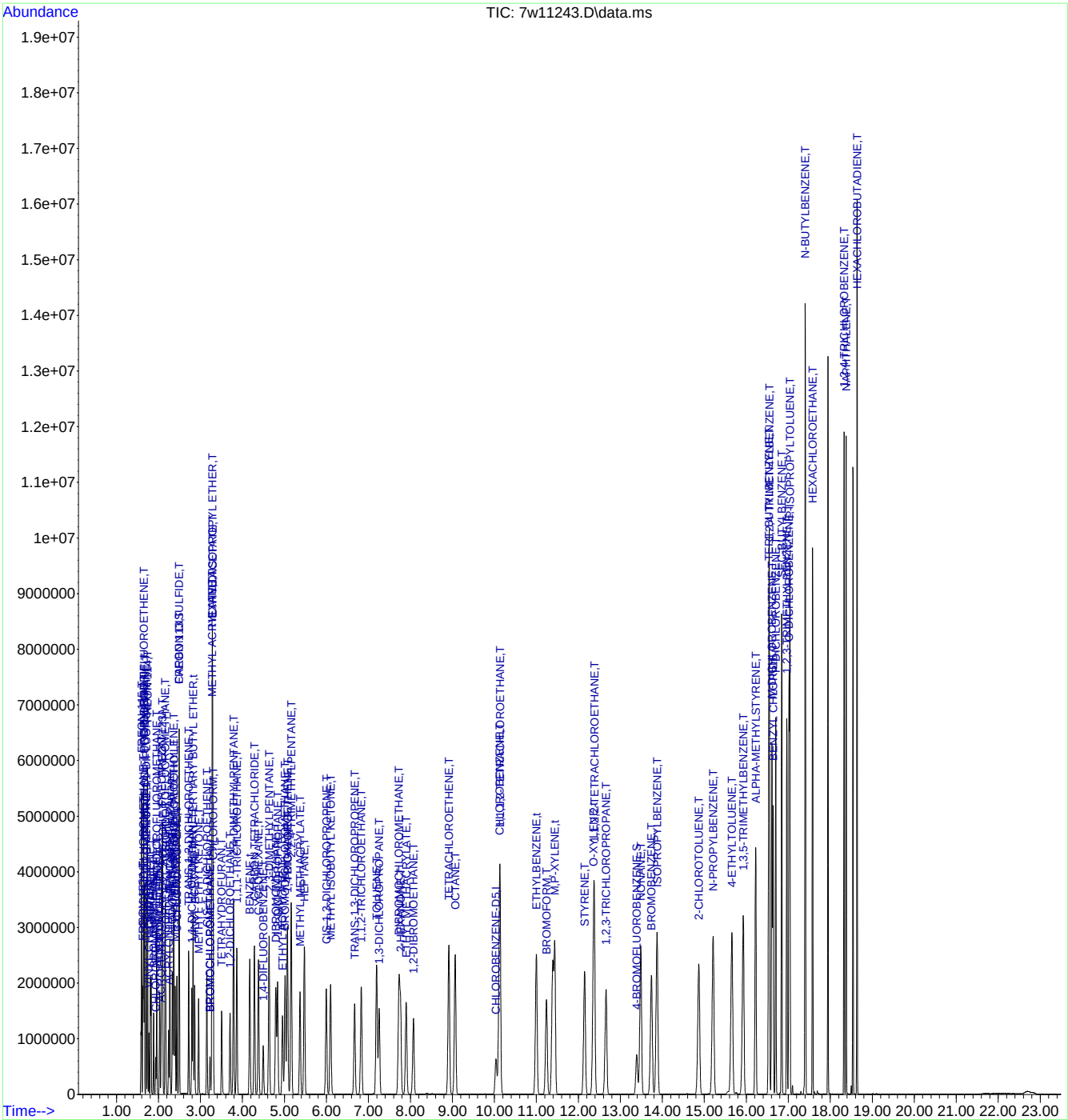
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:35:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	128326	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	645131	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.033	117	603905	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	128326	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	441032	10.06	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.625	65	70330	11.51	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	34678	11.18	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.651	116	167351	11.20	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.667	85	361530	11.30	PPBV		100
7) PROPYLENE	1.647	41	87750	10.42	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	268830	11.34	PPBV		100
9) FREON 114	1.737	85	299987	11.82	PPBV		100
10) CHLOROMETHANE	1.708	52	32863	9.89	PPBV		98
11) VINYL CHLORIDE	1.770	62	117466	10.94	PPBV		99
12) 1,3-BUTADIENE	1.808	54	93721	10.25	PPBV		98
13) N-BUTANE	1.824	43	176537	10.61	PPBV		99
14) BROMOMETHANE	1.882	94	103865	10.82	PPBV		99
15) CHLOROETHANE	1.930	64	61928	10.66	PPBV		99
16) DICHLOROFLUOROMETHANE	1.956	67	260538	11.51	PPBV		100
17) ACETONITRILE	2.024	41	102868	9.97	PPBV		99
18) ACROLEIN	2.062	56	56736	11.23	PPBV		97
19) FREON 123	2.075	83	258469	10.59	PPBV		98
20) FREON 123A	2.091	117	158572	10.43	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.155	101	326972	11.60	PPBV		99
22) ISOPROPYL ALCOHOL	2.175	45	252254	10.61	PPBV		100
23) ACETONE	2.101	58	61862	8.30	PPBV		98
24) PENTANE	2.271	42	125892	11.02	PPBV		100
25) IODOMETHANE	2.332	142	311082	12.05	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.358	96	116228	10.45	PPBV		100
27) CARBON DISULFIDE	2.493	76	336807	12.16	PPBV		100
28) ETHANOL	1.959	45	54389	8.36	PPBV		100
29) BROMOETHENE	2.030	106	110904	10.85	PPBV		99
30) ACRYLONITRILE	2.242	52	88143	9.55	PPBV		98
31) METHYLENE CHLORIDE	2.397	84	104004	10.24	PPBV		97
32) 3-CHLOROPROPENE	2.438	76	58086	10.99	PPBV		98
33) FREON 113	2.490	151	198243	11.77	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.718	96	124974	10.79	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.374	59	310048	11.34	PPBV		100
36) METHYL TERTIARY BUTYL ...	2.824	73	371996	11.23	PPBV		99
37) TETRAHYDROFURAN	3.506	72	62673	12.21	PPBV		95
38) HEXANE	3.278	57	218344	10.33	PPBV		99
39) VINYL ACETATE	2.860	86	35662	11.38	PPBV		95
40) 1,1-DICHLOROETHANE	2.792	63	235369	11.36	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	64179	11.26	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.149	96	136309	11.43	PPBV		100
43) DIISOPROPYL ETHER	3.281	59	65035	11.11	PPBV		96
44) ETHYL ACETATE	3.284	61	45987	11.36	PPBV		98
45) METHYL ACRYLATE	3.271	55	275665	11.61	PPBV	#	99
46) CHLOROFORM	3.297	83	276173	11.77	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.786	57	258551	11.06	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.863	97	291531	11.59	PPBV		100
49) CARBON TETRACHLORIDE	4.281	117	311447	12.49	PPBV		100
50) 1,2-DICHLOROETHANE	3.702	62	207686	11.83	PPBV		100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:35:34 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	391655	11.43	PPBV	100
53)	CYCLOHEXANE	4.377	84	173685	11.40	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.631	71	90324	11.29	PPBV	98
55)	TRICHLOROETHENE	5.062	95	186131	11.35	PPBV	99
56)	1,2-DICHLOROPROPANE	4.831	63	156847	11.21	PPBV	99
57)	DIBROMOMETHANE	4.789	174	165870	10.76	PPBV	100
58)	ETHYL ACRYLATE	4.946	55	348773	11.73	PPBV	100
59)	BROMODICHLOROMETHANE	5.007	83	304404	11.65	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	699924	11.28	PPBV	100
61)	1,4-DIOXANE	5.078	88	97454	10.66	PPBV	99
62)	HEPTANE	5.467	43	248482	11.40	PPBV	99
63)	METHYL METHACRYLATE	5.367	69	154917	11.06	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.094	58	139000	10.68	PPBV	100
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	243164	11.10	PPBV	99
66)	TOLUENE	7.187	91	493387	10.82	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	247994	11.65	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	231781	11.25	PPBV	100
69)	1,1,2-TRICHLOROETHANE	6.821	83	144738	11.55	PPBV	100
70)	2-HEXANONE	7.760	58	194335	9.56	PPBV	99
71)	ETHYL METHACRYLATE	7.888	69	261342	10.73	PPBV	100
72)	TETRACHLOROETHENE	8.908	164	197736	11.45	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.718	129	308711	11.73	PPBV	100
74)	1,2-DIBROMOETHANE	8.059	107	282440	12.31	PPBV	100
75)	OCTANE	9.055	43	344924	11.17	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.120	131	230150	11.92	PPBV	100
78)	CHLOROBENZENE	10.110	112	411539	11.71	PPBV	99
79)	ETHYLBENZENE	10.991	91	673474	11.32	PPBV	100
80)	M,P-XYLENE	11.422	91	1045863	23.44	PPBV	98
81)	O-XYLENE	12.345	91	527613	11.27	PPBV	100
82)	STYRENE	12.136	104	411836	12.28	PPBV	100
83)	NONANE	13.467	43	366216	11.39	PPBV	99
84)	BROMOFORM	11.226	173	264242	11.41	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	378232	12.14	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.644	75	297750	11.98	PPBV	100
88)	ISOPROPYLBENZENE	13.862	120	209087	11.69	PPBV	100
89)	BROMOBENZENE	13.724	77	380384	11.41	PPBV	100
90)	2-CHLOROTOLUENE	14.856	126	191686	11.78	PPBV	99
91)	N-PROPYLBENZENE	15.197	120	216658	11.95	PPBV	100
92)	4-ETHYLTOLUENE	15.640	105	779399	11.98	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	647532	11.83	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.213	118	336497	12.04	PPBV	99
95)	TERT-BUTYLBENZENE	16.528	134	157132	11.99	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	661357	11.98	PPBV	100
97)	BENZYL CHLORIDE	16.628	91	620171	12.69	PPBV	100
98)	M-DICHLOROBENZENE	16.599	146	435352	11.56	PPBV	100
99)	P-DICHLOROBENZENE	16.692	146	440736	12.03	PPBV	99
100)	O-DICHLOROBENZENE	17.010	146	412635	11.60	PPBV	99
101)	SEC-BUTYLBENZENE	16.837	134	199730	12.23	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	642369	11.62	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.033	134	217932	12.04	PPBV	100
104)	N-BUTYLBENZENE	17.396	134	210699	11.92	PPBV	99
105)	HEXACHLOROETHANE	17.573	117	264746	12.57	PPBV	100
106)	HEXACHLOROBUTADIENE	18.631	225	299792	11.33	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.319	180	379717	12.49	PPBV	100
108)	NAPHTHALENE	18.367	128	867478	12.86	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	618380	11.35	PPBV	100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:35:34 2024
Response via : Initial Calibration

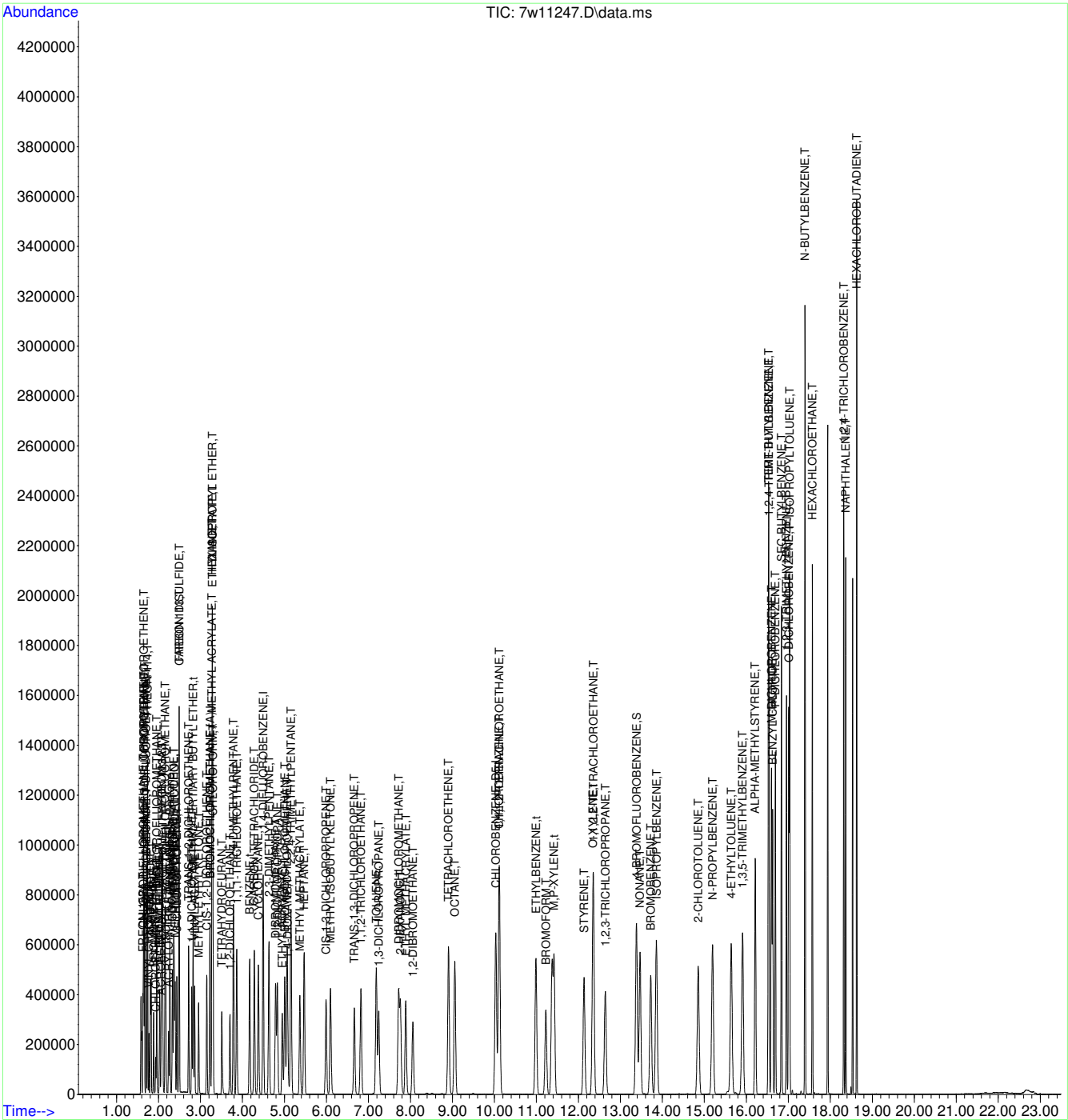
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 06:37:40 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:35:34 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11571.D
Acq On : 7 Jan 2025 9:29 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:37:09 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	130206	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	632316	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.033	117	600992	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	130206	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	447495	10.26	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	70308	11.3390	PPBV	92
4) CHLORODIFLUOROMETHANE	1.641	67	36554	11.6128	PPBV	98
5) CHLOROTRIFLUOROETHENE	1.651	116	162871	10.7416	PPBV	88
6) DICHLORODIFLUOROMETHANE	1.667	85	382305	11.7760	PPBV	99
7) PROPYLENE	1.651	41	97894	11.4568	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	286318	11.9077	PPBV	99
9) FREON 114	1.741	85	325255	12.6305	PPBV	96
10) CHLOROMETHANE	1.712	52	41647	12.3574	PPBV	98
11) VINYL CHLORIDE	1.773	62	142539	13.0889	PPBV	99
12) 1,3-BUTADIENE	1.808	54	115521	12.4497	PPBV	99
13) N-BUTANE	1.824	43	220772	13.0736	PPBV	99
14) BROMOMETHANE	1.885	94	110328	11.3321	PPBV	99
15) CHLOROETHANE	1.933	64	72650	12.3274	PPBV	97
16) DICHLOROFLUOROMETHANE	1.956	67	288899	12.5837	PPBV	100
17) ACETONITRILE	2.023	41	129899	12.4126	PPBV	97
18) ACROLEIN	2.062	56	64632	11.7588	PPBV	99
19) FREON 123	2.078	83	289371	11.6800	PPBV	99
20) FREON 123A	2.094	117	177915	11.5341	PPBV	86
21) TRICHLOROFLUOROMETHANE	2.159	101	336063	11.7545	PPBV	100
22) ISOPROPYL ALCOHOL	2.175	45	296204	12.2797	PPBV	99
23) ACETONE	2.101	58	72814	9.6250	PPBV	99
24) PENTANE	2.271	42	159260	13.7453	PPBV	96
25) IODOMETHANE	2.332	142	301505	11.5071	PPBV	97
26) 1,1-DICHLOROETHYLENE	2.361	96	120203	10.6470	PPBV	91
27) CARBON DISULFIDE	2.493	76	349352	12.4258	PPBV	100
28) ETHANOL	1.962	45	82094	12.4325	PPBV	100
29) BROMOETHENE	2.033	106	115108	11.0977	PPBV	100
30) ACRYLONITRILE	2.242	52	107283	11.4579	PPBV	99
31) METHYLENE CHLORIDE	2.396	84	108540	10.5320	PPBV	89
32) 3-CHLOROPROPENE	2.438	76	59738	11.1423	PPBV	84
33) FREON 113	2.493	151	187189	10.9505	PPBV	93
34) TRANS-1,2-DICHLOROETHENE	2.718	96	126956	10.8021	PPBV	95
35) TERTIARY BUTYL ALCOHOL	2.374	59	306556	11.0505	PPBV	96
36) METHYL TERTIARY BUTYL ...	2.824	73	366027	10.8908	PPBV	99
37) TETRAHYDROFURAN	3.506	72	61303	11.7708	PPBV	88
38) HEXANE	3.277	57	249173	11.6196	PPBV	97
39) VINYL ACETATE	2.863	86	31920	10.0346	PPBV	# 68
40) 1,1-DICHLOROETHANE	2.792	63	249262	11.8533	PPBV	99
41) METHYL ETHYL KETONE	2.956	72	64601	11.1674	PPBV	78
42) CIS-1,2-DICHLOROETHENE	3.152	96	132911	10.9794	PPBV	93
43) DIISOPROPYL ETHER	3.281	59	71761	12.0836	PPBV	89
44) ETHYL ACETATE	3.284	61	49085	11.9468	PPBV	74
45) METHYL ACRYLATE	3.271	55	296581	12.3104	PPBV	# 100
46) CHLOROFORM	3.300	83	279982	11.7645	PPBV	98
47) 2,4-DIMETHYLPENTANE	3.785	57	285423	12.0384	PPBV	97
48) 1,1,1-TRICHLOROETHANE	3.866	97	288442	11.3021	PPBV	97
49) CARBON TETRACHLORIDE	4.281	117	288610	11.4025	PPBV	100
50) 1,2-DICHLOROETHANE	3.702	62	226715	12.7237	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11571.D
Acq On : 7 Jan 2025 9:29 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:37:09 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	394233	11.3368	PPBV	96
53)	CYCLOHEXANE	4.377	84	171565	11.4842	PPBV	90
54)	2,3-DIMETHYLPENTANE	4.631	71	91843	11.7093	PPBV	88
55)	TRICHLOROETHENE	5.062	95	183788	11.4345	PPBV	99
56)	1,2-DICHLOROPROPANE	4.830	63	163195	11.9013	PPBV	100
57)	DIBROMOMETHANE	4.792	174	162791	10.7789	PPBV	100
58)	ETHYL ACRYLATE	4.946	55	359970	12.3548	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	302617	11.8176	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	777339	12.7846	PPBV	99
61)	1,4-DIOXANE	5.078	88	95327	10.6365	PPBV	95
62)	HEPTANE	5.470	43	290499	13.5949	PPBV	93
63)	METHYL METHACRYLATE	5.367	69	151036	10.9979	PPBV	88
64)	METHYL ISOBUTYL KETONE	6.094	58	149677	11.7331	PPBV	94
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	248142	11.5553	PPBV	95
66)	TOLUENE	7.187	91	493044	11.0352	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	250218	11.9912	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	215825	10.6909	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.821	83	143975	11.7230	PPBV	100
70)	2-HEXANONE	7.756	58	203792	10.2304	PPBV	93
71)	ETHYL METHACRYLATE	7.888	69	252840	10.5898	PPBV	92
72)	TETRACHLOROETHENE	8.904	164	201722	11.9160	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.721	129	291723	11.3057	PPBV	99
74)	1,2-DIBROMOETHANE	8.059	107	273980	12.1862	PPBV	100
75)	OCTANE	9.055	43	401711	13.2685	PPBV	93
77)	1,1,1,2-TETRACHLOROETHANE	10.120	131	214836	11.1846	PPBV	99
78)	CHLOROBENZENE	10.110	112	407200	11.6436	PPBV	97
79)	ETHYLBENZENE	10.985	91	666428	11.2583	PPBV	99
80)	M,P-XYLENE	11.419	91	1059728	22.8378	PPBV	97
81)	O-XYLENE	12.348	91	543847	11.6697	PPBV	100
82)	STYRENE	12.132	104	407789	12.2176	PPBV	99
83)	NONANE	13.467	43	431198	13.4703	PPBV	94
84)	BROMOFORM	11.229	173	258139	11.2040	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	384889	12.4098	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.644	75	306857	12.4014	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	203392	11.4239	PPBV	96
89)	BROMOBENZENE	13.724	77	379842	11.4447	PPBV	96
90)	2-CHLOROTOLUENE	14.853	126	181616	11.2137	PPBV	100
91)	N-PROPYLBENZENE	15.193	120	214820	11.9043	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	785520	12.1364	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	662218	12.1575	PPBV	98
94)	ALPHA-METHYLSTYRENE	16.216	118	330677	11.8870	PPBV	100
95)	TERT-BUTYLBENZENE	16.531	134	159535	12.2373	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	695260	12.6542	PPBV	98
97)	BENZYL CHLORIDE	16.627	91	469547	9.6512	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	445261	11.8813	PPBV	100
99)	P-DICHLOROBENZENE	16.692	146	451417	12.3763	PPBV	100
100)	O-DICHLOROBENZENE	17.010	146	424984	12.0097	PPBV	99
101)	SEC-BUTYLBENZENE	16.836	134	199328	12.2694	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	670374	12.1808	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.029	134	217035	12.0513	PPBV	95
104)	N-BUTYLBENZENE	17.393	134	214921	12.2144	PPBV	92
105)	HEXACHLOROETHANE	17.569	117	222466	10.6127	PPBV	98
106)	HEXACHLOROBUTADIENE	18.624	225	346623	13.1678	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.315	180	403728	13.3474	PPBV	100
108)	NAPHTHALENE	18.364	128	860534	12.8182	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	734311	13.2820	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11571.D
Acq On : 7 Jan 2025 9:29 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:37:09 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

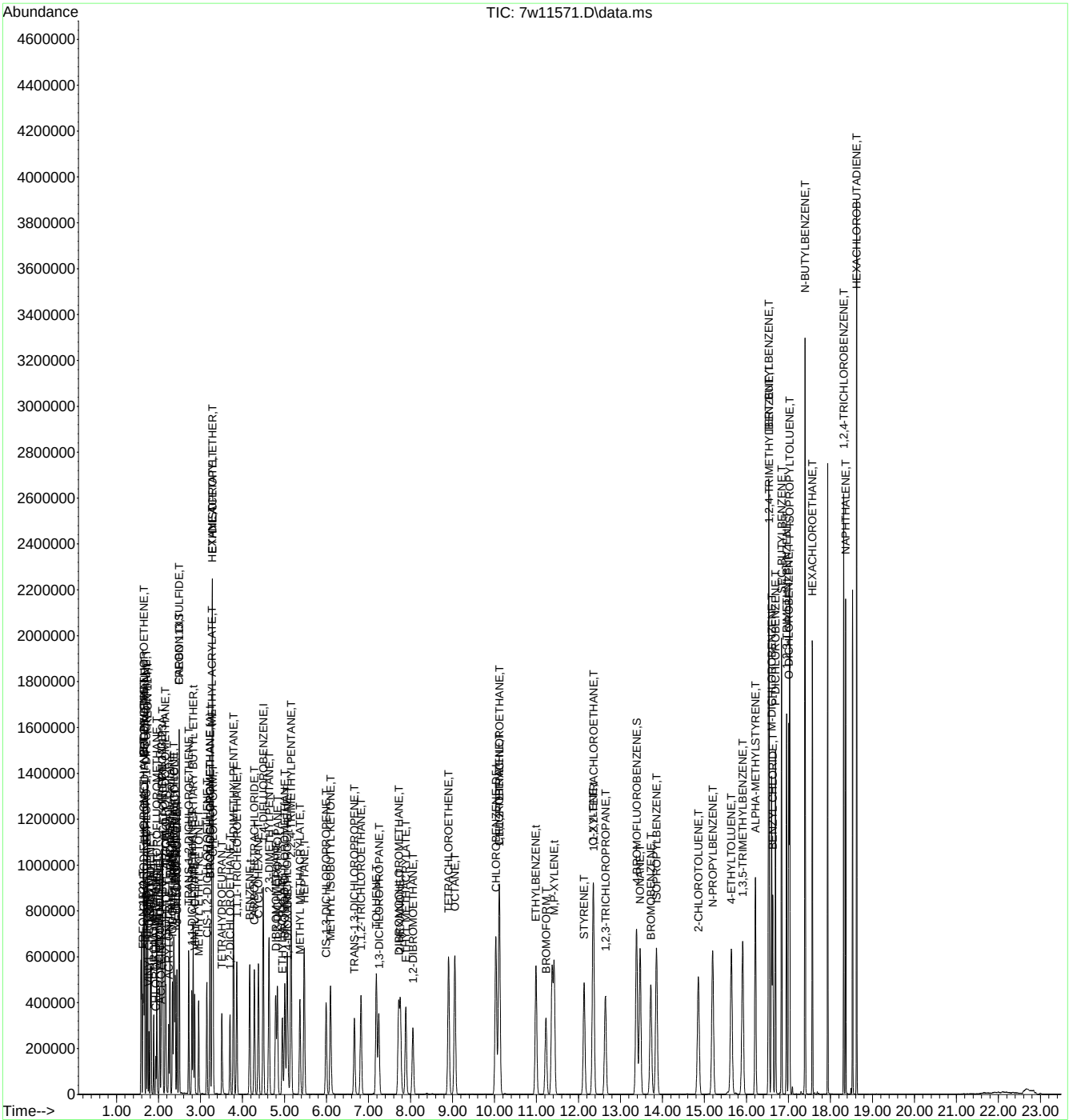
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11571.D
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Operator : benk
Sample : cc405-10 Inst : MS7W
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QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11597.D
Acq On : 8 Jan 2025 10:56 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w416,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 09 18:15:04 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	134205	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	647922	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.033	117	625647	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	134205	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	463151	10.20	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.628	65	70804	11.0787	PPBV		99
4) CHLORODIFLUOROMETHANE	1.641	67	35920	11.0713	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	174055	11.1372	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.666	85	369897	11.0543	PPBV		98
7) PROPYLENE	1.647	41	88160	10.0102	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	265357	10.7071	PPBV		97
9) FREON 114	1.737	85	305061	11.4933	PPBV		98
10) CHLOROMETHANE	1.708	52	32433	9.3367	PPBV		99
11) VINYL CHLORIDE	1.769	62	122697	10.9311	PPBV		99
12) 1,3-BUTADIENE	1.808	54	95160	9.9498	PPBV		97
13) N-BUTANE	1.824	43	172017	9.8829	PPBV		100
14) BROMOMETHANE	1.885	94	107443	10.7070	PPBV		99
15) CHLOROETHANE	1.933	64	64711	10.6531	PPBV		95
16) DICHLOROFLUOROMETHANE	1.956	67	268067	11.3284	PPBV		98
17) ACETONITRILE	2.023	41	101406	9.4012	PPBV		99
18) ACROLEIN	2.062	56	54511	9.6219	PPBV		98
19) FREON 123	2.078	83	279344	10.9393	PPBV		98
20) FREON 123A	2.094	117	173870	10.9360	PPBV		94
21) TRICHLOROFLUOROMETHANE	2.158	101	326306	11.0732	PPBV		100
22) ISOPROPYL ALCOHOL	2.174	45	240190	9.6608	PPBV		99
23) ACETONE	2.100	58	62407	8.0035	PPBV		91
24) PENTANE	2.271	42	125842	10.5375	PPBV		99
25) IODOMETHANE	2.332	142	301379	11.1595	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	118231	10.1603	PPBV		98
27) CARBON DISULFIDE	2.496	76	331837	11.4511	PPBV		97
28) ETHANOL	1.962	45	66031	9.7019	PPBV		99
29) BROMOETHENE	2.033	106	113629	10.6286	PPBV		99
30) ACRYLONITRILE	2.242	52	87773	9.0949	PPBV		97
31) METHYLENE CHLORIDE	2.396	84	105809	9.9611	PPBV		93
32) 3-CHLOROPROPENE	2.438	76	57157	10.3432	PPBV		93
33) FREON 113	2.493	151	184265	10.4583	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	2.721	96	124654	10.2902	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.374	59	277550	9.7068	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.827	73	382129	11.0311	PPBV		99
37) TETRAHYDROFURAN	3.509	72	63262	11.7850	PPBV		94
38) HEXANE	3.277	57	232459	10.5172	PPBV		98
39) VINYL ACETATE	2.862	86	34778	10.6073	PPBV		95
40) 1,1-DICHLOROETHANE	2.795	63	243729	11.2448	PPBV		99
41) METHYL ETHYL KETONE	2.959	72	68121	11.4250	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.152	96	140264	11.2415	PPBV		100
43) DIISOPROPYL ETHER	3.284	59	67022	10.9493	PPBV		96
44) ETHYL ACETATE	3.287	61	47609	11.2423	PPBV		99
45) METHYL ACRYLATE	3.274	55	272580	10.9770	PPBV	#	99
46) CHLOROFORM	3.300	83	281816	11.4887	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.785	57	270310	11.0613	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.866	97	295301	11.2260	PPBV		100
49) CARBON TETRACHLORIDE	4.284	117	298387	11.4375	PPBV		100
50) 1,2-DICHLOROETHANE	3.702	62	215842	11.7526	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11597.D
Acq On : 8 Jan 2025 10:56 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w416,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 09 18:15:04 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	408027	11.3839	PPBV	98
53)	CYCLOHEXANE	4.380	84	179375	11.7178	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.631	71	94216	11.7226	PPBV	98
55)	TRICHLOROETHENE	5.062	95	191129	11.6048	PPBV	98
56)	1,2-DICHLOROPROPANE	4.830	63	159693	11.3654	PPBV	100
57)	DIBROMOMETHANE	4.792	174	173736	11.2265	PPBV	96
58)	ETHYL ACRYLATE	4.946	55	339894	11.3847	PPBV	100
59)	BROMODICHLOROMETHANE	5.007	83	312777	11.9202	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	726171	11.6554	PPBV	100
61)	1,4-DIOXANE	5.078	88	98574	10.7339	PPBV	99
62)	HEPTANE	5.473	43	256092	11.6960	PPBV	99
63)	METHYL METHACRYLATE	5.367	69	157519	11.1937	PPBV	98
64)	METHYL ISOBUTYL KETONE	6.097	58	143900	11.0085	PPBV	96
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	257325	11.6943	PPBV	97
66)	TOLUENE	7.187	91	516744	11.2870	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	250976	11.7379	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	226715	10.9599	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.821	83	147804	11.7449	PPBV	100
70)	2-HEXANONE	7.756	58	196004	9.6024	PPBV	96
71)	ETHYL METHACRYLATE	7.891	69	265229	10.8411	PPBV	98
72)	TETRACHLOROETHENE	8.907	164	218895	12.6190	PPBV	96
73)	DIBROMOCHLOROMETHANE	7.718	129	306957	11.6096	PPBV	100
74)	1,2-DIBROMOETHANE	8.058	107	285227	12.3808	PPBV	100
75)	OCTANE	9.055	43	355771	11.4681	PPBV	99
77)	1,1,1,2-TETRACHLOROETHANE	10.123	131	223148	11.1595	PPBV	99
78)	CHLOROBENZENE	10.110	112	418736	11.5016	PPBV	97
79)	ETHYLBENZENE	10.991	91	699487	11.3511	PPBV	99
80)	M,P-XYLENE	11.418	91	1102792	22.8293	PPBV	97
81)	O-XYLENE	12.348	91	562246	11.5890	PPBV	99
82)	STYRENE	12.135	104	428335	12.3274	PPBV	100
83)	NONANE	13.470	43	374640	11.2422	PPBV	98
84)	BROMOFORM	11.225	173	282300	11.7698	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	393299	12.1812	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.640	75	305703	11.8679	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	212139	11.4456	PPBV	98
89)	BROMOBENZENE	13.724	77	391639	11.3351	PPBV	99
90)	2-CHLOROTOLUENE	14.856	126	189362	11.2312	PPBV	100
91)	N-PROPYLBENZENE	15.196	120	221317	11.7811	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	810121	12.0232	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.913	105	683482	12.0534	PPBV	99
94)	ALPHA-METHYLSTYRENE	16.212	118	341981	11.8089	PPBV	100
95)	TERT-BUTYLBENZENE	16.528	134	160736	11.8436	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	698742	12.2164	PPBV	98
97)	BENZYL CHLORIDE	16.627	91	538477	10.6318	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	458770	11.7594	PPBV	100
99)	P-DICHLOROBENZENE	16.692	146	464903	12.2438	PPBV	99
100)	O-DICHLOROBENZENE	17.007	146	433206	11.7596	PPBV	100
101)	SEC-BUTYLBENZENE	16.836	134	203587	12.0377	PPBV	97
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	676792	11.8128	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.029	134	220581	11.7655	PPBV	99
104)	N-BUTYLBENZENE	17.392	134	217797	11.8901	PPBV	95
105)	HEXACHLOROETHANE	17.569	117	229520	10.5177	PPBV	95
106)	HEXACHLOROBUTADIENE	18.621	225	358627	13.0869	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.312	180	425386	13.5092	PPBV	99
108)	NAPHTHALENE	18.360	128	886210	12.6804	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	593005	10.4064	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-09-2025\V7W416\
Data File : 7w11597.D
Acq On : 8 Jan 2025 10:56 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w416,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 09 18:15:04 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

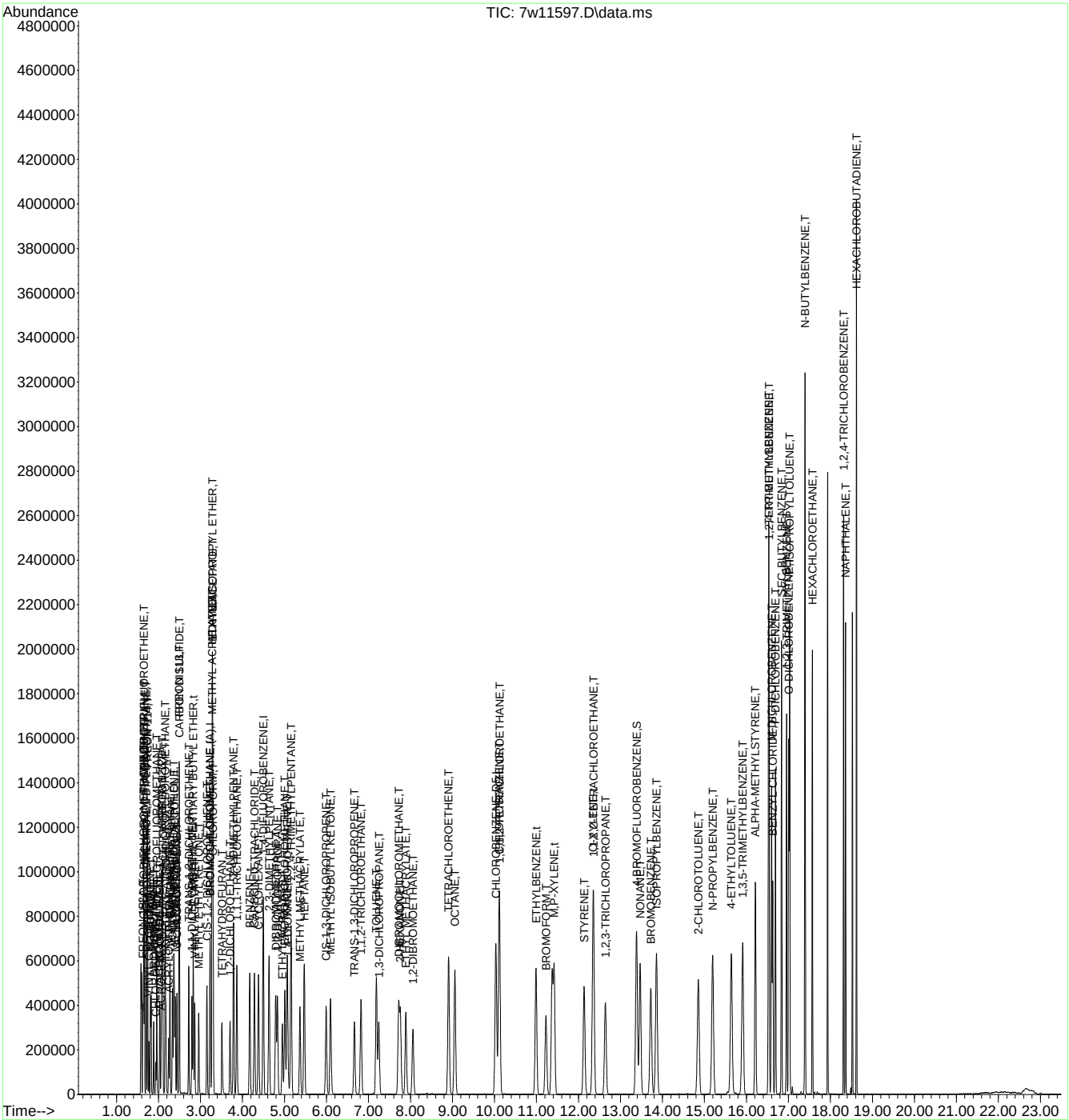
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A1784	AS10508	12/30/2024	0.5
TO-15 STD	A2040	AS10510	1/5/2025	5.0
TO-15 STD	A1788	AS10499	12/28/2024	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2125
Date: 12/8/2024
Laboratory Analyst: Benjamin Kim
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241208ical.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Thomas Hilbig

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-6	ib	5w55453			A2040	20					-	
1-3	ib	5w55454			A1784	20					-	
1-2	ib	5w55455			A959	20					-	
1-2	ib	5w55456			A959	20					-	
1-2	ib	5w55457			A959	20					-	
1-3	bfb	5w55458			A1784	32					OK	T = 10:53
1-3	ic2125-0.04	5w55459			A1784	32			√	√	OK	
1-3	ic2125-0.1	5w55460			A1784	80			√	√	OK	
1-3	ic2125-0.2	5w55461			A1784	160			√	√	OK	
1-3	ic2125-0.5	5w55462			A1784	400					NOT USED	Testing Purposes
1-6	ic2125-0.5	5w55463			A2040	40			√	√	OK	
1-6	ic2125-5	5w55464			A2040	400			√	√	OK	
1-1	ic2125-5	5w55465			A1788	40					NOT USED	Testing Purposes
1-1	icc2125-10	5w55466			A1788	80			√	√	OK	
1-1	ic2125-20	5w55467			A1788	160			√	√	OK	
1-1	ic2125-40	5w55468			A1788	320			√	√	OK	
1-1	ic2125-50	5w55469			A1788	400			√	√	OK	
1-2	ib	5w55470			A959	200					-	
1-2	ib	5w55471			A959	100					-	
1-5	icv2125-10	5w55472			A1795	80					RR	Nap ↑
1-5	icv2125-10	5w55473			A1795	80			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2133
Date: 12/17/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55695			Open position	20					RR	
1-1	cc2125-10	5w55696			A974	80					RR	canister valve closed
1-1	cc2125-10	5w55697			a974	80					RR	Bad injection.
1-1	cc2125-10	5w55698			a974	80					RR	Acetone ↓. Retune instrument
1-2	bfb	5w55699			Open position	20					OK	T = 19:52
1-1	cc2125-10	5w55700			a974	80			√	√	OK	THF ↑, MEK ↑, diisopropyl ether ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑, 124TCB ↑
1-1	bs	5w55701			a974	80			√	√	OK	MEK ↑, bromoform ↑, HCBD ↑, 124TCB ↑
1-1	bsd	5w55702			a974	80					RR	Bad injection.
1-1	bsd	5w55703			a974	80			√	√	OK	THF ↑, MEK ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑
1-2	ib	5w55704			a2039	80					-	
1-2	ib	5w55705			a2039	200					-	
1-2	mb	5w55706			a2039	400			√	√	OK	
1-3	scc,cp12947	5w55707			a061	400			√	√	OK	
1-4	scc,cp12946	5w55708			a2175	400			√	√	RECLEAN	Multiple hits.
1-3	scc,cp12948	5w55709			a2150	400			√	√	OK	
1-4	scc,cp12946	5w55710			a1184	400			√	√	RECLEAN	Nap ↑, 124TCB ↑
1-3	scc,cp12946	5w55711			m162	400			√	√	RECLEAN	ethanol hit
1-2	scc,cp12947	5w55712			a466	400			√	√	OK	
1-4	scc,cp12946	5w55713			a1184	400			√	√	OK	
1-3	scc,cp12947	5w55714			a2119	400			√	√	OK	
1-5	je2488-1	5w55715	MS88104	NYLL	a1324	500	1		↓123	√	RR	ISTD out
1-6	je2488-2	5w55716	MS88104	NYLL	a879	500	1		↓1	√	OK	for QC purpose only
1-6	je2488-2dup	5w55717	MS88104	NYLL	a879	500	1		↑1	√	OK	
1-7	je2489-2	5w55718	MS88104	NYLL	a1629	500	1		↓123	√	OK/DL	ISTD out
1-8	je2489-4	5w55719	MS88104	NYLL	a1190	500	1		↓123	√	RR	ISTD out
1-9	je2490-2	5w55720	MS88104	NYLL	a1736	500	1		↓1	√	OK/DL	
1-10	je2490-4	5w55721	MS88104	NYLL	a2540	500	1		√	√	OK/DL	
1-11	je2491-2	5w55722	MS88104	NYLL	a1735	500	1		√	√	OK/DL	
1-12	je2491-4	5w55723	MS88104	NYLL	a1688	500	1		√	√	OK/DL	
1-13	je2487-2	5w55724	MS88104	NYLL	a1678	100	1		√	√	OK	
1-14	je2487-4	5w55725	MS88104	NYLL	a1659	20	1		√	√	OK	
1-15	je2487-6	5w55726	MS88104	NYLL	a1284	100	1					Sequence stopped by analyst
1-16	je2487-3	5w55727	MS88104	NYSVLL	a1737	200	1					Sequence stopped by analyst

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -	5	Original Canister Dilution				Secondary Canister Dilution						
Date	Initial	Sample ID	Canister SN	Vacuum at Time of	Final Pressure (psig)	Dilution Factor	Canister SN	Canister	Sample Volume	Final Pressure	Equivalent Total Volume	Dilution Factor	Final Canister Dilution Factor

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2133
Date: 12/17/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS	
Date	Initial	Sample ID	Canister SN	Dilution (inHg)	Final Pressure (psig)	Dilution Factor	Canister SN	Volume (cc)	Added (cc)	(psig)		(cc)	Dilution Factor	Final Canister Dilution Factor

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Conc. (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A2038	AS10402	9/18/2024	0.5
TO-15 STD	A2045	AS10401	9/18/2024	5.0
TO-15 STD	A1805	AS10384	9/14/2024	50
TO-15 LCS	A1795	AS10393	9/15/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W305
Date: 8/18/2024
Laboratory Analyst: Benjamin Kim
Columns: Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20240818ical.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15.7200A.CTD
Data Validator: Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-5	ib	7w07973			A2036	100					-	
2-1	bfb	7w07974			A2038	32					OK	T = 21:06
2-1	ic305-0.04	7w07975	MS80966	STD+NAP	A2038	32			√	√	OK	
2-1	ic305-0.1	7w07976	MS80966	STD+NAP	A2038	80			√	√	OK	
2-1	ic305-0.2	7w07977	MS80966	STD+NAP	A2038	160			√	√	OK	
2-2	ic305-0.5	7w07978	MS80966	STD+NAP	A2045	40			√	√	OK	
2-2	ic305-5	7w07979	MS80966	STD+NAP	A2045	400			√	√	OK	
2-3	icc305-10	7w07980	MS80966	STD+NAP	A1805	80			√	√	OK	
2-3	ic305-20	7w07981	MS80966	STD+NAP	A1805	160			√	√	OK	
2-3	ic305-40	7w07982	MS80966	STD+NAP	A1805	320			√	√	OK	
2-3	ic305-50	7w07983	MS80966	STD+NAP	A1805	400			√	√	OK	
2-5	ib	7w07984			A2036	20					-	
2-5	ib	7w07985			A2036	100					-	
2-4	icv305-10	7w07986	MS80966	STD+NAP	A1795	100					NOT USED	Wrong volume.
2-5	ib	7w07987			A2036	100					-	
2-5	ib	7w07988			A2036	100					-	
2-5	ib	7w07989			A2036	100					-	
2-4	icv305-10	7w07990	MS80966	STD+NAP	A1795	80			√	√	OK	↑ Benzyl Chloride

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1805	AS10476	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W378
Date: 11/5/2024
Laboratory Analyst: Thomas Hilbig
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241105.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
C1	bfb	7w10267			a2036	20					RR	Failed
C1	bfb	7w10268			a1805	80					OK	T = 08:58
C2	cc305-10	7w10269			a1805	80			√	√	OK	Benzyl chloride ↑, F115 ↑, F152A ↑
C2	bs	7w10270			a1805	80			√	√	OK	Benzyl chloride ↑
C2	bsd	7w10271			a1805	80			√	√	OK	Benzyl chloride ↑
C1	ib	7w10272			a2036	100					-	
C1	mb	7w10273			a2036	400		+	√	√	OK	
C3	jd98680-1	7w10274	MS86415	STD+	a1974,a584	200	432	+	√	√	OK	
C4	jd98680-2	7w10275	MS86415	STD+	a2306,a505	400	236	+	√	√	OK	
C2	ib	7w10276			a2036	20					-	
C1	ib	7w10277			a2036	20					-	
D2	scc,cp12915	7w10278			A2470	400					NG	$MeCl_2$ = 0.30ppbv
D6	scc,cp12915	7w10279			a2536	400			√	√	OK	
C3	jd99425-1	7w10280	MS86734	STD+, Nap	a1291	400	1	+	√	√	OK	
C4	jd99425-2	7w10281	MS86734	STD+, Nap	a1053	400	1	+	√	√	OK	
C4	jd99425-2dup	7w10282	MS86734	STD+, Nap	a1053	400	1		√	√	OK	
A1	jd99451-1	7w10283	MS86734	STD, Nap	a1944	100	1		√	√	OK	
A2	jd99424-1	7w10284	MS86734	STD	a1374	100	1		√	√	OK	
A3	scc,cp12912	7w10285			a2549	100			√	√	OK	
C5	jd99298-1	7w10286	MS86666	SL	tbag,tbag	200	100		√	√	OK	
A4	scc,cp12912	7w10287			a1561	100					RECLEAN	
C6	jd98373-1a	7w10288	MS86666	SL	tbag,tbag	200	100		√	√		On hold.
A5	scc,cp12913	7w10289			a1455	100					RECLEAN	
C7	jd99298-3	7w10290	MS86324	SL	tbag,tbag	40	1000		√	√	OK	
A6	scc,cp12913	7w10291			a2550	100					RECLEAN	
A7	scc,cp12913	7w10292			a1543	100			√	√	OK	
A8	scc,cp12913	7w10293			a2590	100			√	√	OK	
D2	scc,cp12914	7w10294			a1638	400			√	√	OK	
D4	scc,cp12914	7w10295			a1088	400			√	√	OK	
D8	scc,cp12914	7w10296			a2142	400			√	√	OK	
D9	scc,cp12914	7w10297			a2186	400			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
11/4/2024	TH	jd98680-2	a2306	2.5	1.10	1.18	a505	1000	10	14.7	2000	200	**236**
11/4/2024	TH	jd98680-1	a1974	0.0	1.20	1.08	a584	1000	5	14.7	2000	400	**432**
11/1/2024	TH	jd99298-3	tbag			1.00	tbag		0.5		500	1000	**1000**
11/5/2024	TH	jd99298-1	tbag			1.00	tbag		5		500	100	**100**
11/5/2024	TH	jd98373-1a	tbag			1.00	tbag		5		500	100	**100**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1805	AS10476	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W378**
Date: **11/5/2024**
Laboratory Analyst: **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241105.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	SN	Lot Number	Expiration Date	Concentration (ppbv)
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A1787	AS10529	1/28/2025	0.5
TO-15 STD	A966	AS10528	1/27/2025	5.0
TO-15 STD	A1805	AS10522	1/18/2025	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W405
Date: 12/28/2024
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241228.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-5	ib	7w11219			A1795	20						
2-4	ib	7w11220			A1805	20						
2-3	ib	7w11221			A966	20						
2-2	ib	7w11222			A1787	20						
2-1	ib	7w11223			A2036	20						
2-1	ib	7w11224			A2036	20						
2-1	ib	7w11225			A2036	20						
2-1	ib	7w11226			A2036	20						
2-1	ib	7w11227			A2036	20						
2-1	ib	7w11228			A2036	20						
2-1	ib	7w11229			A2036	20						
2-1	ib	7w11230			A2036	20						
2-1	ib	7w11231			A2036	20						
2-2	bfb	7w11232			A1787	32					OK	T = 8:40
2-2	ic405-0.04	7w11233	MS80966		A1787	32			√	√	OK	
2-2	ic405-0.1	7w11234	MS80966		A1787	80			√	√	OK	
2-2	ic405-0.2	7w11235	MS80966		A1787	160			√	√	OK	
2-2	ic405-0.5	7w11236	MS80966		A1787	320					NOT USED	Testing purposes
2-3	ic405-0.5	7w11237	MS80966		A966	40			√	√	OK	
2-3	ic405-5	7w11238	MS80966		A966	400			√	√	OK	
2-4	ic405-5	7w11239	MS80966		A1805	40					NOT USED	Testing purposes
2-4	icc405-10	7w11240	MS80966		A1805	80			√	√	OK	
2-4	ic405-20	7w11241	MS80966		A1805	160			√	√	OK	
2-4	ic405-40	7w11242	MS80966		A1805	320			√	√	OK	
2-4	ic405-50	7w11243	MS80966		A1805	400			√	√	OK	
2-1	ib	7w11244			A2036	200					-	
2-1	ib	7w11245			A2036	400					-	
2-1	ib	7w11246			A2036	400					-	
2-5	icv405-10	7w11247	MS80966		A1795	80			√	√	OK	
2-5	ib	7w11248			A1795	80					-	
2-1	ib	7w11249			A2036	200					-	
2-1	ib	7w11250			A2036	400					-	
2-1	ib	7w11251			A2036	400					-	
2-1	ib	7w11252			A2036	400					-	
2-1	ib	7w11253			A2036	400					-	
2-1	ib	7w11254			A2036	400					-	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	Initial	Sample ID	Canister SN	Vacuum at Time of Dilution (inHg)	Final Pressure (psig)	Dilution Factor	Canister SN	Canister Volume (cc)	Sample Volume Added (cc)	Final Pressure (psig)	Equivalent Total Volume (cc)	Dilution Factor	Final Canister Dilution Factor

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A1787	AS10529	1/28/2025	0.5
TO-15 STD	A966	AS10528	1/27/2025	5.0
TO-15 STD	A1805	AS10522	1/18/2025	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W405**
Date: **12/28/2024**
Laboratory Analyst: **Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241228.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): **Benjamin Kim**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.											
Notes:												

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS9819	1/31/2025	100
TO-15 STD	A1806	AS10523	1/18/2025	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W415
Date: 1/7/2025
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250107.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
D8	bfb	7w11570			OPEN	400					OK	T = 20:52
1-4	cc405-10	7w11571			A1806	80			√	√	OK	
1-4	bs	7w11572			A1806	80					OK	
1-4	bsd	7w11573			A1806	80					OK	
2-1	ib	7w11574			A2036	400					-	
2-1	mb	7w11575			A2036	400		+			OK	
2-4	scc,cp12955	7w11576			A1616	400					RR	Bad injection
D9	je2961-3	7w11577	MS88386	STD+	tbag,tbag	40	1000	+			RR/Too Dilute	RR = 80cc
2-5	scc,cp12953	7w11578			A1738	400					RR	Carryover
2-3	scc,cp12961	7w11579			M147	400					OK	
D9	je2961-3	7w11580	MS88386	STD+	tbag,tbag	80	1000	+			OK	
C6	je3096-2	7w11581	MS88599	STD	A1171	400	1				OK/DL	RR = 10x
2-14	scc,cp12955	7w11582			A1606	400					RR	Carryover
2-6	je3433-1	7w11583	MS88599	STD	M004	400	1				OK	
2-7	je3433-2	7w11584	MS88599	STD	M404	400	1				OK	
2-8	je3433-3	7w11585	MS88599	STD	A1747	400	1				OK	
2-8	je3433-3dup	7w11586	MS88599	STD	A1747	400	1				RR	Power Outage
2-1	ib	7w11587			A2036	400					-	
2-8	je34331-3dup	7w11588	MS88599	STD	A1747	400	1				OK	
C6	je3096-2	7w11589	MS88599	STD	A1171	40	1				OK	
2-15	je2491-4	7w11590	MS88104	NYLL, NAP	A1688,M419	200	143				RR/Too Dilute	RR = 400cc
2-9	je3522-1	7w11591	MS88628	NYLL	A871	500	1				OK	↑ F152A = NT
2-10	je3522-3	7w11592	MS88628	NYLL	A1334	500	1				RR/Too Dilute	↑ Ethyl Acetate, RR = 4x
2-11	je3522-5	7w11593	MS88628	NYLL	A1285	500	1				RR/Overcal	↑ Acetone, RR = 2x
2-15	je2491-4	7w11594	MS88104	NYLL, NAP	A1688,M419	400	143				OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
1/8/2025	BJK	je2491-4	A1688	7.0	1.30	1.43	M419	1000	20	14.7	2000	100	**143**
1/6/2025	BJK	JE2961-3	TBAG	-	-	1.00	TBAG	500	0.5	-	-	1000	**1000**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS9819	1/31/2025	100
TO-15 STD	A1806	AS10523	1/18/2025	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W416
Date: 1/8/2025
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250108.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Lucky Carandang

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
D8	bfb	7w11596			OPEN	400					OK	T = 22:20
1-4	cc405-10	7w11597			A1806	80			√	√	OK	
1-4	bs	7w11598			A1806	80			√	√	OK	
1-4	bsd	7w11599			A1806	80			√	√	OK	
2-1	ib	7w11600			A2036	400					-	
2-1	mb	7w11601			A2036	400		+	√	√	OK	
2-4	scc,cp12955	7w11602			A1616	400					RECLEAN	↑ Naphthalene
2-5	scc,cp12953	7w11603			A1738	400			√	√	OK	
2-14	scc,cp12955	7w11604			A1606	400			√	√	OK	
2-2	scc,cp12964	7w11605			A1794	400			√	√	OK	
2-3	scc,cp12964	7w11606			A969	400			√	√	RR	↑ THF
2-6	scc,cp12964	7w11607			A964	400			√	√	RR	↑ CS_2
2-12	je3522-7	7w11608	MS88628	NYLL	A1097	500	1		√	√	OK	↑ F152A = NT
2-13	je3522-9	7w11609	MS88628	NYLL	M409	500	1		√	√	OK	
C1	je3522-2	7w11610	MS88628	NYLL	A2105	200	1		√	√	OK	↑ F152A = NT
C2	je3522-4	7w11611	MS88628	NYLL	A2158	40	1		√	√	OK	↑ F152A = NT
C3	je3522-6	7w11612	MS88628	NYLL	M026	20	1		√	√	OK	↑ F152A = NT
C4	je3522-8	7w11613	MS88628	NYLL	A1073	200	1		√	√	OK	↑ F152A = NT
C5	je3522-10	7w11614	MS88628	NYLL	A1166	80	1		√	√	OK/DL	↑ 1,3-butadiene RR 20cc
2-11	je3522-3	7w11615	MS88628	NYLL	A1334	100	1		√	√	OK	
2-15	je3522-5	7w11616	MS88628	NYLL	A1285	250	1		√	√	OK	
2-4	je3196-3	7w11617	MS88474	STD	A1196	400	1		√	√	OK	
2-4	je3196-3dup	7w11618	MS88474	STD	A1196	400	1		√	√	OK	
2-7	je3196-1	7w11619	MS88474	STD	A856	400	1		√	√	OK	
C5	je3522-10	7w11620	MS88628	NYLL	A1166	20	1		√	√	OK	
A1	je3433-5	7w11621	MS88599	STD	A1981	100	1		√	√	OK	
A2	je3433-4	7w11622	MS88599	STD	A1459	100	1		√	√	OK	↑ Cyclohexanone = NT
2-11	je3433-6	7w11623	MS88599	STD	A1889,A415	200	115		√	√	OK	
2-8	je3196-2	7w11624	MS88474	STD	A1346	400	1		√	√	OK	
2-9	je3196-4	7w11625	MS88474	STD	A1831	400	1		√	√	OK	
2-10	je3196-5	7w11626	MS88474	STD	A736	400	1		√	√	OK	
C6	je3182-4	7w11627	MS88474	NYLL	A2068	500	1		√	√	OK	
C7	je3182-5	7w11628	MS88474	NYLL	A1836	500	1		√	√	OK/DL	↑ Acetone, RR = 20x
C8	je3182-6	7w11629	MS88474	NYLL	M012	500	1		√	√	OK/DL	↑ MEK, RR = 50x
C7	je3182-5	7w11630	MS88474	NYLL	A1836	25	1		√	√	RR/CO	↑ Acetone, RR = 20x
C8	je3182-6	7w11631	MS88474	NYLL	M012	10	1		√	√	RR	Past BFB Tune Time

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
1/9/2025	BJK	je3433-6	A1889	2.0	1.10	1.15	A415	1000	20	14.7	2000	100	**115**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS9819	1/31/2025	100
TO-15 STD	A1806	AS10523	1/18/2025	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W416**
Date: **1/8/2025**
Laboratory Analyst: **Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250108.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): **Geralyn Gomez**
Data Validator(s): **Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS

Notes:

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQT3106-MB	QT231751.D	1	01/06/25	WC	n/a	n/a	GQT3106

The QC reported here applies to the following samples: **Method:** EPA TO-3

JE3522-11, JE3522-12, JE3522-13, JE3522-14, JE3522-15

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
74-82-8	Methane	ND	5.0	2.0	ppmv		ND	3.3	mg/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	59-135%
460-00-4	4-Bromofluorobenzene	95%	59-135%

Method Blank Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQT3108-MB	QT231781.D	1	01/09/25	WC	n/a	n/a	GQT3108

The QC reported here applies to the following samples: **Method:** EPA TO-3

JE3522-1, JE3522-2, JE3522-3, JE3522-4, JE3522-5, JE3522-6, JE3522-7, JE3522-8, JE3522-9, JE3522-10

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
74-82-8	Methane	ND	5.0	2.0	ppmv		ND	3.3	mg/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	72%	59-135%
460-00-4	4-Bromofluorobenzene	92%	59-135%

Blank Spike Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQT3106-BS	QT231750.D	1	01/06/25	WC	n/a	n/a	GQT3106

The QC reported here applies to the following samples: **Method:** EPA TO-3

JE3522-11, JE3522-12, JE3522-13, JE3522-14, JE3522-15

CAS No.	Compound	Spike ppmv	BSP ppmv	BSP %	Limits
74-82-8	Methane	100	94.0	94	77-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	90%	59-135%
460-00-4	4-Bromofluorobenzene	102%	59-135%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQT3108-BS	QT231780.D	1	01/09/25	WC	n/a	n/a	GQT3108

The QC reported here applies to the following samples: **Method:** EPA TO-3

JE3522-1, JE3522-2, JE3522-3, JE3522-4, JE3522-5, JE3522-6, JE3522-7, JE3522-8, JE3522-9, JE3522-10

CAS No.	Compound	Spike ppmv	BSP ppmv	BSP %	Limits
74-82-8	Methane	100	79.3	79	77-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	76%	59-135%
460-00-4	4-Bromofluorobenzene	96%	59-135%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE3098-1DUP	QT231753.D	1.12	01/06/25	WC	n/a	n/a	GQT3106
JE3098-1	QT231752.D	1.12	01/06/25	WC	n/a	n/a	GQT3106

The QC reported here applies to the following samples: **Method:** EPA TO-3

JE3522-11, JE3522-12, JE3522-13, JE3522-14, JE3522-15

CAS No.	Compound	JE3098-1 ppmv	Q	DUP ppmv	Q	RPD	Limits
74-82-8	Methane	1410	E	1410	E	0	20

CAS No.	Surrogate Recoveries	DUP	JE3098-1	Limits
460-00-4	4-Bromofluorobenzene	91%	92%	59-135%
460-00-4	4-Bromofluorobenzene	98%	95%	59-135%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE3522-1DUP	QT231783.D	1.6	01/09/25	WC	n/a	n/a	GQT3108
JE3522-1	QT231782.D	1.6	01/09/25	WC	n/a	n/a	GQT3108

The QC reported here applies to the following samples: **Method:** EPA TO-3

JE3522-1, JE3522-2, JE3522-3, JE3522-4, JE3522-5, JE3522-6, JE3522-7, JE3522-8, JE3522-9, JE3522-10

CAS No.	Compound	JE3522-1 ppmv	Q	DUP ppmv	Q	RPD	Limits
74-82-8	Methane	ND		ND		nc	20

CAS No.	Surrogate Recoveries	DUP	JE3522-1	Limits
460-00-4	4-Bromofluorobenzene	79%	75%	59-135%
460-00-4	4-Bromofluorobenzene	94%	88%	59-135%

* = Outside of Control Limits.

Surrogate Recovery Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Method: EPA TO-3 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
JE3522-1	QT231782.D	75	88
JE3522-2	QT231785.D	79	94
JE3522-3	QT231786.D	72	94
JE3522-4	QT231787.D	75	92
JE3522-5	QT231788.D	78	94
JE3522-6	QT231789.D	76	93
JE3522-7	QT231790.D	77	92
JE3522-8	QT231792.D	78	94
JE3522-9	QT231793.D	74	93
JE3522-10	QT231794.D	74	92
JE3522-11	QT231759.D	92	96
JE3522-12	QT231760.D	83	96
JE3522-13	QT231761.D	93	96
JE3522-14	QT231762.D	92	97
JE3522-15	QT231763.D	88	98
GQT3106-BS	QT231750.D	90	102
GQT3106-MB	QT231751.D	85	95
GQT3108-BS	QT231780.D	76	96
GQT3108-MB	QT231781.D	72	92
JE3098-1DUP	QT231753.D	91	98
JE3522-1DUP	QT231783.D	79	94

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	59-135%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	GQT3106-CC3105	**Injection Date:**	01/06/25
Lab File ID:	QT231749.D	**Injection Time:**	08:54
Instrument ID:	GCQT	**Method:**	EPA TO-3

	S1 [a] RT	S1 [b] RT
Check Std	17.69	17.69

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
GQT3106-BS	QT231750.D	01/06/25	09:31	17.69	17.69
GQT3106-MB	QT231751.D	01/06/25	10:06	17.69	17.69
JE3098-1	QT231752.D	01/06/25	10:44	17.69	17.69
JE3098-1DUP	QT231753.D	01/06/25	11:22	17.70	17.69

Surrogate Compounds

S1 = 4-Bromofluorobenzene

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	GQT3106-CC3105	**Injection Date:**	01/06/25
Lab File ID:	QT231758.D	**Injection Time:**	14:23
Instrument ID:	GCQT	**Method:**	EPA TO-3

	S1 [a] RT	S1 [b] RT
Check Std	17.69	17.69

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
JE3522-11	QT231759.D	01/06/25	15:00	17.70	17.69
JE3522-12	QT231760.D	01/06/25	15:40	17.70	17.70
JE3522-13	QT231761.D	01/06/25	16:19	17.70	17.70
JE3522-14	QT231762.D	01/06/25	16:55	17.70	17.70
JE3522-15	QT231763.D	01/06/25	17:38	17.70	17.69

Surrogate Compounds

S1 = 4-Bromofluorobenzene

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	GQT3108-CC3105	**Injection Date:**	01/09/25
Lab File ID:	QT231779.D	**Injection Time:**	14:30
Instrument ID:	GCQT	**Method:**	EPA TO-3

	S1 [a] RT	S1 [b] RT
Check Std	17.69	17.69

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
GQT3108-BS	QT231780.D	01/09/25	15:10	17.69	17.69
GQT3108-MB	QT231781.D	01/09/25	15:55	17.69	17.69
JE3522-1	QT231782.D	01/09/25	16:35	17.69	17.69
JE3522-1DUP	QT231783.D	01/09/25	17:17	17.69	17.69

Surrogate Compounds

S1 = 4-Bromofluorobenzene

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	GQT3108-CC3105	**Injection Date:**	01/09/25
Lab File ID:	QT231784.D	**Injection Time:**	17:59
Instrument ID:	GCQT	**Method:**	EPA TO-3

	S1 [a] RT	S1 [b] RT
Check Std	17.69	17.69

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
JE3522-2	QT231785.D	01/09/25	18:38	17.69	17.69
JE3522-3	QT231786.D	01/09/25	19:19	17.69	17.69
JE3522-4	QT231787.D	01/09/25	20:00	17.69	17.69
JE3522-5	QT231788.D	01/09/25	20:42	17.69	17.69
JE3522-6	QT231789.D	01/09/25	21:22	17.69	17.69
JE3522-7	QT231790.D	01/09/25	22:05	17.69	17.69

Surrogate Compounds

S1 = 4-Bromofluorobenzene

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	GQT3108-CC3105	**Injection Date:**	01/09/25
Lab File ID:	QT231791.D	**Injection Time:**	22:44
Instrument ID:	GCQT	**Method:**	EPA TO-3

	S1 [a] RT	S1 [b] RT
Check Std	17.69	17.69

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
JE3522-8	QT231792.D	01/09/25	23:24	17.69	17.69
JE3522-9	QT231793.D	01/10/25	00:03	17.69	17.69
JE3522-10	QT231794.D	01/10/25	00:44	17.69	17.69

Surrogate Compounds

S1 = 4-Bromofluorobenzene

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

Initial Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3105-ICC3105
Lab FileID: QT231731.D

Response Factor Report HP G1530A

Method : C:\msdchem\1\METHODS\MQT3105.M (ChemStation Integrator)
Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
Last Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration

Calibration Files
0.05=qt231726.d 0.1 =qt231727.d 0.5 =qt231728.d 1.0 =qt231729.d
5 =qt231730.d 10 =qt231731.d 100 =qt231732.d

	Compound	0.05	0.1	0.5	1.0	5	10	100	Avg	%RSD
1)	METHYL TERTIARY B		5.357	5.275	5.546	4.484	4.450	4.450	4.927 E5	10.51
2)	BENZENE	9.483	9.473	6.524	6.734	7.168	7.528	7.577	7.784 E5	15.66
3)	TOLUENE	8.239	8.811	7.871	6.888	7.326	7.482	7.988	7.801 E5	8.13
4)	ETHYLBENZENE	8.309	7.515	6.025	6.393	6.497	6.527	7.051	6.902 E5	11.39
5)	m,p-XYLENE	1.312	0.950	0.754	0.820	0.886	0.889	0.894	0.929 E6	19.38
6)	o-XYLENE	1.016	0.884	0.674	0.581	0.644	0.663	0.729	0.742 E6	20.72
7)	ISOPROPYLBENZENE			6.558	5.174	6.053	6.262	7.316	6.273 E5	12.42
8)	Naphthalene							7.849	7.849 E5	0.00
9)s	4-Bromofluorobenz	2.623	2.628	2.644	2.707	2.679	2.615	2.896	2.685 E5	3.69
Signal #2										
11)	METHANE #2			3.353	3.007	2.841	2.810	2.797	2.962 E5	7.92
12)	ETHANE #2			7.323	6.708	7.137	7.097	7.148	7.083 E5	3.20
13)	PROPANE #2			9.600	8.876	8.843	8.920	9.010	9.050 E5	3.47
14)	n-BUTANE #2			1.217	1.260	1.204	1.214	1.236	1.226 E6	1.81
15)	PENTANE #2			1.472	1.400	1.428	1.452	1.483	1.447 E6	2.33
16)	TERTIARY BUTYL AL			1.014	0.940	0.952	0.982	1.084	0.995 E6	5.77
17)	METHYL TERTIARY B		1.351	1.253	1.190	1.123	1.126	1.160	1.200 E6	7.34
18)	HEXANE #2			1.713	1.615	1.627	1.637	1.707	1.660 E6	2.82
19)	BENZENE #2	1.262	1.917	1.799	1.667	1.632	1.640	1.663	1.654 E6	12.22
20)	TOLUENE #2	1.444	1.749	1.589	1.747	1.737	1.768	1.866	1.700 E6	8.18
21)	ETHYLBENZENE #2	2.417	2.103	1.620	1.559	1.667	1.683	1.854	1.843 E6	16.93
22)	m,p-XYLENE #2	3.033	2.288	1.647	1.641	1.862	1.917	2.171	2.080 E6	23.34
23)	o-XYLENE #2	1.142	1.535	1.504	1.500	1.694	1.729	2.038	1.592 E6	17.21
24)	Isopropylbenzene			1.601	1.599	1.902	1.815	2.279	1.839 E6	15.19
25)	Naphthalene #2							1.173	1.173 E6	0.00
26)s	4-Bromofluorobenz	2.990	2.939	3.048	3.102	2.954	2.996	4.921	3.279 E5	22.15
27)H	TPH AS EQUIV PENT			1.414	1.534	1.483	1.491	1.492	1.483 E6	2.91
28)H	TPH AS EQUIV METH			3.369	3.044	2.836	2.810	2.803	2.972 E5	8.17
29)H	TPH AS EQUIV HEXA			1.689	1.711	1.667	1.688	1.721	1.695 E6	1.24
30)H	TPH Range A as Me			3.361	3.082	2.836	2.814	2.798	2.978 E5	8.18
31)H	TPH Range A as Me			3.371	3.066	2.833	2.804	2.795	2.974 E5	8.35
32)H	TPH Range B as Pe			1.413	1.543	1.473	1.472	1.494	1.479 E6	3.16
33)H	TPH Range A as Pr			9.546	8.770	8.857	8.783	8.955	8.982 E5	3.61
34)H	TPH Range B as He			1.701	1.712	1.667	1.684	1.714	1.696 E6	1.19

(#) = Out of Range

MQT3105.M Mon Jan 06 16:33:50 2025

Initial Calibration Verification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3105-ICV3105
Lab FileID: QT231733.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231733.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 19:55:37
Operator : thomash
Sample : icv3105-10
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 16:35:47 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	492.687	457.969 E3	7.0	103	0.00
2	BENZENE	778.391	760.057 E3	2.4	101	0.00
3	TOLUENE	780.089	777.098 E3	0.4	104	0.00
4	ETHYLBENZENE	690.244	660.564 E3	4.3	101	0.00
5	m,p-XYLENE	0.929	0.895 E6	3.7	101	0.00
6	o-XYLENE	0.742	0.652 E6	12.1	98	0.00
7	ISOPROPYLBENZENE	627.270	613.735 E3	2.2	98	0.00
9 s	4-Bromofluorobenzene	268.461	269.727 E3	-0.5	103	0.00

Signal #2

11	METHANE #2	296.150	280.894 E3	5.2	100	0.00
12	ETHANE #2	708.270	709.808 E3	-0.2	100	0.00
13	PROPANE #2	904.972	896.189 E3	1.0	100	0.00
14	n-BUTANE #2	1.226	1.200 E6	2.1	99	0.00
15	PENTANE #2	1.447	1.449 E6	-0.1	100	0.00
16	TERTIARY BUTYL ALCOHOL #2	0.995	1.010 E6	-1.5	103	0.00
17	METHYL TERTIARY BUTYL ETHER	1.200	1.169 E6	2.6	104	0.00
18	HEXANE #2	1.660	1.738 E6	-4.7	106	0.00
19	BENZENE #2	1.654	1.656 E6	-0.1	101	0.00
20	TOLUENE #2	1.700	1.725 E6	-1.5	98	0.00
21	ETHYLBENZENE #2	1.843	1.703 E6	7.6	101	0.00
22	m,p-XYLENE #2	2.080	1.921 E6	7.6	100	0.00
23	o-XYLENE #2	1.592	1.751 E6	-10.0	101	0.00
24	Isopropylbenzene #2	1.839	1.848 E6	-0.5	102	0.00
26 s	4-Bromofluorobenzene #2	327.877	292.990 E3	10.6	98	0.00
27 H	TPH AS EQUIV PENTANE #2	1.483	1.502 E6	-1.3	101	0.00
28 H	TPH AS EQUIV METHANE #2	297.218	282.184 E3	5.1	100	0.00
29 H	TPH AS EQUIV HEXANE #2	1.695	1.770 E6	-4.4	105	0.00
30 H	TPH Range A as Methane #2	297.820	280.339 E3	5.9	100	0.00

Initial Calibration Verification

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3105-ICV3105
Lab FileID: QT231733.D

31	H	TPH Range A as Methane-CH4	297.365	280.482	E3	5.7	100	0.00
32	H	TPH Range B as Pentane #2	1.479	1.495	E6	-1.1	102	0.00
33	H	TPH Range A as Propane #2	898.226	892.614	E3	0.6	102	0.00
34	H	TPH Range B as Hexane #2	1.696	1.751	E6	-3.2	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3105.M Mon Jan 06 16:39:30 2025

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3106-CC3105
Lab FileID: QT231749.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231749.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 06-Jan-25, 08:54:34
Operator : williamc
Sample   : cc3105-5
Misc   : GC64227,GQT3106,,,,,1
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:18:53 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	492.687	450.282 E3	8.6	100	0.00
2	BENZENE	778.391	735.120 E3	5.6	103	0.00
3	TOLUENE	780.089	731.138 E3	6.3	100	0.00
4	ETHYLBENZENE	690.244	648.600 E3	6.0	100	0.00
5	m,p-XYLENE	0.929	0.889 E6	4.3	100	0.00
6	o-XYLENE	0.742	0.634 E6	14.6	98	0.00
7	ISOPROPYLBENZENE	627.270	621.242 E3	1.0	103	0.00
9 s	4-Bromofluorobenzene	268.461	272.191 E3	-1.4	102	0.00

Signal #2

11	METHANE #2	296.150	276.013 E3	6.8	97	0.00
12	ETHANE #2	708.270	693.027 E3	2.2	97	0.00
13	PROPANE #2	904.972	869.351 E3	3.9	98	0.00
14	n-BUTANE #2	1.226	1.175 E6	4.2	98	0.00
15	PENTANE #2	1.447	1.384 E6	4.4	97	0.00
16	TERTIARY BUTYL ALCOHOL #2	0.995	0.939 E6	5.6	99	0.00
17	METHYL TERTIARY BUTYL ETHER	1.200	1.099 E6	8.4	98	0.00
18	HEXANE #2	1.660	1.622 E6	2.3	100	0.00
19	BENZENE #2	1.654	1.620 E6	2.1	99	0.00
20	TOLUENE #2	1.700	1.698 E6	0.1	98	0.00
21	ETHYLBENZENE #2	1.843	1.629 E6	11.6	98	0.00
22	m,p-XYLENE #2	2.080	1.811 E6	12.9	97	0.00
23	o-XYLENE #2	1.592	1.680 E6	-5.5	99	0.00
24	Isopropylbenzene #2	1.839	1.843 E6	-0.2	97	0.00
26 s	4-Bromofluorobenzene #2	327.877	304.311 E3	7.2	103	0.00
27 H	TPH AS EQUIV PENTANE #2	1.483	1.444 E6	2.6	97	0.00
28 H	TPH AS EQUIV METHANE #2	297.218	277.487 E3	6.6	98	0.00
29 H	TPH AS EQUIV HEXANE #2	1.695	1.668 E6	1.6	100	0.00
30 H	TPH Range A as Methane #2	297.820	276.167 E3	7.3	97	0.00

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3106-CC3105
Lab FileID: QT231749.D

31	H	TPH Range A as Methane-CH4	297.365	276.311	E3	7.1	98	0.00
32	H	TPH Range B as Pentane #2	1.479	1.434	E6	3.0	97	0.00
33	H	TPH Range A as Propane #2	898.226	870.683	E3	3.1	98	0.00
34	H	TPH Range B as Hexane #2	1.696	1.660	E6	2.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3105.M Mon Jan 06 16:23:45 2025

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3106-CC3105
Lab FileID: QT231754.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231754.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 06-Jan-25, 11:57:38
Operator : williamc
Sample   : cc3105-10
Misc   : GC64244,GQT3106,,,,,1
ALS Vial : 6   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:40:24 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	492.687	444.396 E3	9.8	100	0.00
2	BENZENE	778.391	725.371 E3	6.8	96	0.00
3	TOLUENE	780.089	761.035 E3	2.4	102	0.00
4	ETHYLBENZENE	690.244	653.667 E3	5.3	100	0.00
5	m,p-XYLENE	0.929	0.893 E6	3.9	100	0.00
6	o-XYLENE	0.742	0.647 E6	12.8	98	0.00
7	ISOPROPYLBENZENE	627.270	618.652 E3	1.4	99	0.00
9 s	4-Bromofluorobenzene	268.461	272.277 E3	-1.4	104	0.00

Signal #2

11	METHANE #2	296.150	282.853 E3	4.5	101	0.00
12	ETHANE #2	708.270	718.175 E3	-1.4	101	0.00
13	PROPANE #2	904.972	880.662 E3	2.7	99	0.00
14	n-BUTANE #2	1.226	1.212 E6	1.1	100	0.00
15	PENTANE #2	1.447	1.460 E6	-0.9	100	0.00
16	TERTIARY BUTYL ALCOHOL #2	0.995	0.996 E6	-0.1	101	0.00
17	METHYL TERTIARY BUTYL ETHER	1.200	1.133 E6	5.6	101	0.00
18	HEXANE #2	1.660	1.665 E6	-0.3	102	0.00
19	BENZENE #2	1.654	1.655 E6	-0.1	101	0.00
20	TOLUENE #2	1.700	1.732 E6	-1.9	98	0.00
21	ETHYLBENZENE #2	1.843	1.694 E6	8.1	101	0.00
22	m,p-XYLENE #2	2.080	1.909 E6	8.2	100	0.00
23	o-XYLENE #2	1.592	1.743 E6	-9.5	101	0.00
24	Isopropylbenzene #2	1.839	1.866 E6	-1.5	103	0.00
26 s	4-Bromofluorobenzene #2	327.877	293.802 E3	10.4	98	0.00
27 H	TPH AS EQUIV PENTANE #2	1.483	1.498 E6	-1.0	100	0.00
28 H	TPH AS EQUIV METHANE #2	297.218	281.163 E3	5.4	100	0.00
29 H	TPH AS EQUIV HEXANE #2	1.695	1.722 E6	-1.6	102	0.00
30 H	TPH Range A as Methane #2	297.820	283.048 E3	5.0	101	0.00

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3106-CC3105
Lab FileID: QT231754.D

31	H	TPH Range A as Methane-CH4	297.365	283.661	E3	4.6	101	0.00
32	H	TPH Range B as Pentane #2	1.479	1.488	E6	-0.6	101	0.00
33	H	TPH Range A as Propane #2	898.226	907.645	E3	-1.0	103	0.00
34	H	TPH Range B as Hexane #2	1.696	1.722	E6	-1.5	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3105.M Mon Jan 06 16:23:02 2025

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3106-CC3105
Lab FileID: QT231758.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231758.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 06-Jan-25, 14:23:40
Operator : williamc
Sample   : cc3105-5
Misc   : GC64227,GQT3106,,,,,1
ALS Vial : 10   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 16:19:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	492.687	448.484 E3	9.0	100	0.00
2	BENZENE	778.391	731.737 E3	6.0	102	0.00
3	TOLUENE	780.089	717.715 E3	8.0	98	0.00
4	ETHYLBENZENE	690.244	652.703 E3	5.4	100	0.00
5	m,p-XYLENE	0.929	0.868 E6	6.6	98	0.00
6	o-XYLENE	0.742	0.637 E6	14.2	99	0.00
7	ISOPROPYLBENZENE	627.270	608.730 E3	3.0	101	0.00
9 s	4-Bromofluorobenzene	268.461	269.787 E3	-0.5	101	0.00

Signal #2

11	METHANE #2	296.150	279.977 E3	5.5	99	0.00
12	ETHANE #2	708.270	624.582 E3	11.8	88	0.00
13	PROPANE #2	904.972	886.258 E3	2.1	100	0.00
14	n-BUTANE #2	1.226	1.212 E6	1.1	101	0.00
15	PENTANE #2	1.447	1.443 E6	0.3	101	0.00
16	TERTIARY BUTYL ALCOHOL #2	0.995	0.943 E6	5.2	99	0.00
17	METHYL TERTIARY BUTYL ETHER	1.200	1.138 E6	5.2	101	0.00
18	HEXANE #2	1.660	1.666 E6	-0.4	102	0.00
19	BENZENE #2	1.654	1.577 E6	4.7	97	0.00
20	TOLUENE #2	1.700	1.693 E6	0.4	97	0.00
21	ETHYLBENZENE #2	1.843	1.680 E6	8.8	101	0.00
22	m,p-XYLENE #2	2.080	1.877 E6	9.8	101	0.00
23	o-XYLENE #2	1.592	1.727 E6	-8.5	102	0.00
24	Isopropylbenzene #2	1.839	1.826 E6	0.7	96	0.00
26 s	4-Bromofluorobenzene #2	327.877	287.516 E3	12.3	97	0.00
27 H	TPH AS EQUIV PENTANE #2	1.483	1.469 E6	0.9	99	0.00
28 H	TPH AS EQUIV METHANE #2	297.218	282.466 E3	5.0	100	0.00
29 H	TPH AS EQUIV HEXANE #2	1.695	1.687 E6	0.5	101	0.00
30 H	TPH Range A as Methane #2	297.820	283.698 E3	4.7	100	0.00

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3106-CC3105
Lab FileID: QT231758.D

31	H	TPH Range A as Methane-CH4	297.365	285.033	E3	4.1	101	0.00
32	H	TPH Range B as Pentane #2	1.479	1.466	E6	0.9	100	0.00
33	H	TPH Range A as Propane #2	898.226	895.585	E3	0.3	101	0.00
34	H	TPH Range B as Hexane #2	1.696	1.697	E6	-0.1	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3105.M Mon Jan 06 16:23:47 2025

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3106-CC3105
Lab FileID: QT231764.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231764.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 06-Jan-25, 18:14:27
Operator : williamc
Sample   : cc3105-10
Misc   : GC64264,GQT3106,,,,,1
ALS Vial : 16   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:51:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	492.687	439.323 E3	10.8	99	0.00
2	BENZENE	778.391	726.738 E3	6.6	97	0.00
3	TOLUENE	780.089	754.186 E3	3.3	101	0.00
4	ETHYLBENZENE	690.244	652.115 E3	5.5	100	0.00
5	m,p-XYLENE	0.929	0.881 E6	5.2	99	0.00
6	o-XYLENE	0.742	0.660 E6	11.1	100	0.00
7	ISOPROPYLBENZENE	627.270	619.053 E3	1.3	99	0.00
9 s	4-Bromofluorobenzene	268.461	275.629 E3	-2.7	105	0.00
	Signal #2					
11	METHANE #2	296.150	286.135 E3	3.4	102	0.00
12	ETHANE #2	708.270	729.833 E3	-3.0	103	0.00
13	PROPANE #2	904.972	916.696 E3	-1.3	103	0.00
14	n-BUTANE #2	1.226	1.232 E6	-0.5	101	0.00
15	PENTANE #2	1.447	1.466 E6	-1.3	101	0.00
16	TERTIARY BUTYL ALCOHOL #2	0.995	1.012 E6	-1.7	103	0.00
17	METHYL TERTIARY BUTYL ETHER	1.200	1.138 E6	5.2	101	0.00
18	HEXANE #2	1.660	1.649 E6	0.7	101	0.00
19	BENZENE #2	1.654	1.629 E6	1.5	99	0.00
20	TOLUENE #2	1.700	1.790 E6	-5.3	101	0.00
21	ETHYLBENZENE #2	1.843	1.717 E6	6.8	102	0.00
22	m,p-XYLENE #2	2.080	1.960 E6	5.8	102	0.00
23	o-XYLENE #2	1.592	1.744 E6	-9.5	101	0.00
24	Isopropylbenzene #2	1.839	1.900 E6	-3.3	105	0.00
26 s	4-Bromofluorobenzene #2	327.877	301.696 E3	8.0	101	0.00
27 H	TPH AS EQUIV PENTANE #2	1.483	1.495 E6	-0.8	100	0.00
28 H	TPH AS EQUIV METHANE #2	297.218	287.142 E3	3.4	102	0.00
29 H	TPH AS EQUIV HEXANE #2	1.695	1.737 E6	-2.5	103	0.00
30 H	TPH Range A as Methane #2	297.820	284.075 E3	4.6	101	0.00

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3106-CC3105
Lab FileID: QT231764.D

31	H	TPH Range A as Methane-CH4	297.365	286.921	E3	3.5	102	0.00
32	H	TPH Range B as Pentane #2	1.479	1.492	E6	-0.9	101	0.00
33	H	TPH Range A as Propane #2	898.226	896.653	E3	0.2	102	0.00
34	H	TPH Range B as Hexane #2	1.696	1.710	E6	-0.8	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3105.M Tue Jan 07 08:54:04 2025

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3108-CC3105
Lab FileID: QT231779.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231779.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 09-Jan-25, 14:30:13
Operator : williamc
Sample   : cc3105-5
Misc   : GC64264,GQT3108,,,,,1
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:08:20 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	492.687	432.898 E3	12.1	97	0.00
2	BENZENE	778.391	668.953 E3	14.1	93	0.00
3	TOLUENE	780.089	694.649 E3	11.0	95	0.00
4	ETHYLBENZENE	690.244	612.537 E3	11.3	94	0.00
5	m,p-XYLENE	0.929	0.844 E6	9.1	95	0.00
6	o-XYLENE	0.742	0.609 E6	17.9	95	0.00
7	ISOPROPYLBENZENE	627.270	551.819 E3	12.0	91	0.00
9 s	4-Bromofluorobenzene	268.461	262.531 E3	2.2	98	0.00

Signal #2

11	METHANE #2	296.150	227.341 E3	23.2	80	0.00
12	ETHANE #2	708.270	603.584 E3	14.8	85	0.00
13	PROPANE #2	904.972	767.290 E3	15.2	87	0.00
14	n-BUTANE #2	1.226	1.031 E6	15.9	86	0.00
15	PENTANE #2	1.447	1.196 E6	17.3	84	0.00
16	TERTIARY BUTYL ALCOHOL #2	0.995	0.775 E6	22.1	81	0.00
17	METHYL TERTIARY BUTYL ETHER	1.200	0.944 E6	21.3	84	0.00
18	HEXANE #2	1.660	1.389 E6	16.3	85	0.00
19	BENZENE #2	1.654	1.328 E6	19.7	81	0.00
20	TOLUENE #2	1.700	1.461 E6	14.1	84	0.00
21	ETHYLBENZENE #2	1.843	1.370 E6	25.7	82	0.00
22	m,p-XYLENE #2	2.080	1.537 E6	26.1	83	0.00
23	o-XYLENE #2	1.592	1.369 E6	14.0	81	0.00
24	Isopropylbenzene #2	1.839	1.503 E6	18.3	79	0.00
26 s	4-Bromofluorobenzene #2	327.877	246.843 E3	24.7	84	0.00
27 H	TPH AS EQUIV PENTANE #2	1.483	1.242 E6	16.3	84	0.00
28 H	TPH AS EQUIV METHANE #2	297.218	227.086 E3	23.6	80	0.00
29 H	TPH AS EQUIV HEXANE #2	1.695	1.405 E6	17.1	84	0.00
30 H	TPH Range A as Methane #2	297.820	226.258 E3	24.0	80	0.00

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3108-CC3105
Lab FileID: QT231779.D

31	H	TPH Range A as Methane-CH4	297.365	226.767	E3	23.7	80	0.00
32	H	TPH Range B as Pentane #2	1.479	1.243	E6	16.0	84	0.00
33	H	TPH Range A as Propane #2	898.226	756.793	E3	15.7	85	0.00
34	H	TPH Range B as Hexane #2	1.696	1.428	E6	15.8	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3105.M Fri Jan 10 14:23:33 2025

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3108-CC3105
Lab FileID: QT231784.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231784.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 09-Jan-25, 17:59:31
Operator : williamc
Sample   : cc3105-10
Misc   : GC64264,GQT3108,,,,,1
ALS Vial : 6   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:15:44 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	492.687	436.661 E3	11.4	98	0.00
2	BENZENE	778.391	703.678 E3	9.6	93	0.00
3	TOLUENE	780.089	731.448 E3	6.2	98	0.00
4	ETHYLBENZENE	690.244	623.223 E3	9.7	95	0.00
5	m,p-XYLENE	0.929	0.868 E6	6.6	98	0.00
6	o-XYLENE	0.742	0.637 E6	14.2	96	0.00
7	ISOPROPYLBENZENE	627.270	583.873 E3	6.9	93	0.00
9 s	4-Bromofluorobenzene	268.461	261.080 E3	2.7	100	0.00

Signal #2

11	METHANE #2	296.150	240.478 E3	18.8	86	0.00
12	ETHANE #2	708.270	632.527 E3	10.7	89	0.00
13	PROPANE #2	904.972	792.351 E3	12.4	89	0.00
14	n-BUTANE #2	1.226	1.067 E6	13.0	88	0.00
15	PENTANE #2	1.447	1.286 E6	11.1	89	0.00
16	TERTIARY BUTYL ALCOHOL #2	0.995	0.878 E6	11.8	89	0.00
17	METHYL TERTIARY BUTYL ETHER	1.200	0.987 E6	17.8	88	0.00
18	HEXANE #2	1.660	1.436 E6	13.5	88	0.00
19	BENZENE #2	1.654	1.428 E6	13.7	87	0.00
20	TOLUENE #2	1.700	1.492 E6	12.2	84	0.00
21	ETHYLBENZENE #2	1.843	1.438 E6	22.0	85	0.00
22	m,p-XYLENE #2	2.080	1.634 E6	21.4	85	0.00
23	o-XYLENE #2	1.592	1.481 E6	7.0	86	0.00
24	Isopropylbenzene #2	1.839	1.601 E6	12.9	88	0.00
26 s	4-Bromofluorobenzene #2	327.877	240.614 E3	26.6	80	0.00
27 H	TPH AS EQUIV PENTANE #2	1.483	1.302 E6	12.2	87	0.00
28 H	TPH AS EQUIV METHANE #2	297.218	239.915 E3	19.3	85	0.00
29 H	TPH AS EQUIV HEXANE #2	1.695	1.484 E6	12.4	88	0.00
30 H	TPH Range A as Methane #2	297.820	240.213 E3	19.3	85	0.00

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3108-CC3105
Lab FileID: QT231784.D

31	H	TPH Range A as Methane-CH4	297.365	240.393	E3	19.2	86	0.00
32	H	TPH Range B as Pentane #2	1.479	1.308	E6	11.6	89	0.00
33	H	TPH Range A as Propane #2	898.226	778.422	E3	13.3	89	0.00
34	H	TPH Range B as Hexane #2	1.696	1.474	E6	13.1	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3105.M Fri Jan 10 14:23:10 2025

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3108-CC3105
Lab FileID: QT231791.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231791.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 09-Jan-25, 22:44:06
Operator : williamc
Sample   : cc3105-5
Misc   : GC64264,GQT3108,,,,,1
ALS Vial : 13   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:02:59 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	492.687	425.129 E3	13.7	95	-0.04
2	BENZENE	778.391	697.999 E3	10.3	97	-0.03
3	TOLUENE	780.089	698.142 E3	10.5	95	-0.03
4	ETHYLBENZENE	690.244	620.330 E3	10.1	95	0.00
5	m,p-XYLENE	0.929	0.836 E6	10.0	94	0.00
6	o-XYLENE	0.742	0.623 E6	16.0	97	0.00
7	ISOPROPYLBENZENE	627.270	590.370 E3	5.9	98	0.00
9 s	4-Bromofluorobenzene	268.461	263.199 E3	2.0	98	0.00
	Signal #2					
11	METHANE #2	296.150	236.834 E3	20.0	83	0.00
12	ETHANE #2	708.270	615.545 E3	13.1	86	0.00
13	PROPANE #2	904.972	762.541 E3	15.7	86	-0.02
14	n-BUTANE #2	1.226	1.041 E6	15.1	86	-0.03
15	PENTANE #2	1.447	1.227 E6	15.2	86	-0.04
16	TERTIARY BUTYL ALCOHOL #2	0.995	0.796 E6	20.0	84	-0.04
17	METHYL TERTIARY BUTYL ETHER	1.200	1.008 E6	16.0	90	-0.04
18	HEXANE #2	1.660	1.451 E6	12.6	89	-0.04
19	BENZENE #2	1.654	1.386 E6	16.2	85	-0.03
20	TOLUENE #2	1.700	1.465 E6	13.8	84	-0.02
21	ETHYLBENZENE #2	1.843	1.412 E6	23.4	85	0.00
22	m,p-XYLENE #2	2.080	1.621 E6	22.1	87	0.00
23	o-XYLENE #2	1.592	1.453 E6	8.7	86	0.00
24	Isopropylbenzene #2	1.839	1.530 E6	16.8	80	0.00
26 s	4-Bromofluorobenzene #2	327.877	262.280 E3	20.0	89	0.00
27 H	TPH AS EQUIV PENTANE #2	1.483	1.301 E6	12.3	88	0.00
28 H	TPH AS EQUIV METHANE #2	297.218	237.237 E3	20.2	84	0.00
29 H	TPH AS EQUIV HEXANE #2	1.695	1.454 E6	14.2	87	0.00
30 H	TPH Range A as Methane #2	297.820	238.154 E3	20.0	84	0.00

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3108-CC3105
Lab FileID: QT231791.D

31	H	TPH Range A as Methane-CH4	297.365	235.493	E3	20.8	83	0.00
32	H	TPH Range B as Pentane #2	1.479	1.286	E6	13.0	87	0.00
33	H	TPH Range A as Propane #2	898.226	764.530	E3	14.9	86	0.00
34	H	TPH Range B as Hexane #2	1.696	1.454	E6	14.3	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3105.M Fri Jan 10 14:23:35 2025

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3108-CC3105
Lab FileID: QT231795.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231795.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 10-Jan-25, 01:26:20
Operator : williamc
Sample   : cc3105-10
Misc   : GC64264,GQT3108,,,,,1
ALS Vial : 17   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:19:05 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	492.687	432.661 E3	12.2	97	-0.02
2	BENZENE	778.391	703.301 E3	9.6	93	-0.01
3	TOLUENE	780.089	737.978 E3	5.4	99	-0.01
4	ETHYLBENZENE	690.244	628.246 E3	9.0	96	0.00
5	m,p-XYLENE	0.929	0.870 E6	6.4	98	0.00
6	o-XYLENE	0.742	0.633 E6	14.7	95	0.00
7	ISOPROPYLBENZENE	627.270	593.533 E3	5.4	95	0.00
9 s	4-Bromofluorobenzene	268.461	257.256 E3	4.2	98	0.00

Signal #2

11	METHANE #2	296.150	239.684 E3	19.1	85	0.00
12	ETHANE #2	708.270	628.598 E3	11.2	89	0.00
13	PROPANE #2	904.972	800.744 E3	11.5	90	-0.01
14	n-BUTANE #2	1.226	1.083 E6	11.7	89	-0.01
15	PENTANE #2	1.447	1.260 E6	12.9	87	-0.02
16	TERTIARY BUTYL ALCOHOL #2	0.995	0.808 E6	18.8	82	-0.02
17	METHYL TERTIARY BUTYL ETHER	1.200	0.998 E6	16.8	89	-0.02
18	HEXANE #2	1.660	1.480 E6	10.8	90	-0.02
19	BENZENE #2	1.654	1.390 E6	16.0	85	-0.01
20	TOLUENE #2	1.700	1.478 E6	13.1	84	-0.01
21	ETHYLBENZENE #2	1.843	1.432 E6	22.3	85	0.00
22	m,p-XYLENE #2	2.080	1.633 E6	21.5	85	0.00
23	o-XYLENE #2	1.592	1.456 E6	8.5	84	0.00
24	Isopropylbenzene #2	1.839	1.588 E6	13.6	88	0.00
26 s	4-Bromofluorobenzene #2	327.877	251.183 E3	23.4	84	0.00
27 H	TPH AS EQUIV PENTANE #2	1.483	1.288 E6	13.1	86	0.00
28 H	TPH AS EQUIV METHANE #2	297.218	241.560 E3	18.7	86	0.00
29 H	TPH AS EQUIV HEXANE #2	1.695	1.486 E6	12.3	88	0.00
30 H	TPH Range A as Methane #2	297.820	239.238 E3	19.7	85	0.00

Continuing Calibration Summary

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3108-CC3105
Lab FileID: QT231795.D

31	H	TPH Range A as Methane-CH4	297.365	240.060	E3	19.3	86	0.00
32	H	TPH Range B as Pentane #2	1.479	1.303	E6	11.9	89	0.00
33	H	TPH Range A as Propane #2	898.226	789.881	E3	12.1	90	0.00
34	H	TPH Range B as Hexane #2	1.696	1.469	E6	13.4	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3105.M Fri Jan 10 14:23:12 2025

8.6.10

8

Run Sequence Report

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: GQT3105	**Method:** EPA TO-3	**Instrument ID:** GCQT

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GQT3105-IC3105	QT231726.D	01/03/25 15:18	n/a	Initial cal 0.05
GQT3105-IC3105	QT231727.D	01/03/25 16:03	n/a	Initial cal 0.1
GQT3105-IC3105	QT231728.D	01/03/25 16:49	n/a	Initial cal 0.5
GQT3105-IC3105	QT231729.D	01/03/25 17:25	n/a	Initial cal 1.0
GQT3105-IC3105	QT231730.D	01/03/25 18:04	n/a	Initial cal 5.0
GQT3105-ICC3105	QT231731.D	01/03/25 18:41	n/a	Initial cal 10
GQT3105-IC3105	QT231732.D	01/03/25 19:20	n/a	Initial cal 100
GQT3105-ICV3105	QT231733.D	01/03/25 19:55	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: GQT3106	**Method:** EPA TO-3	**Instrument ID:** GCQT

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GQT3106-CC3105	QT231749.D	01/06/25 08:54	n/a	Continuing cal 5
GQT3106-BS	QT231750.D	01/06/25 09:31	n/a	Blank Spike
GQT3106-MB	QT231751.D	01/06/25 10:06	n/a	Method Blank
JE3098-1	QT231752.D	01/06/25 10:44	n/a	(used for QC only; not part of job JE3522)
JE3098-1DUP	QT231753.D	01/06/25 11:22	n/a	Duplicate
GQT3106-CC3105	QT231754.D	01/06/25 11:57	n/a	Continuing cal 10
ZZZZZZ	QT231755.D	01/06/25 12:33	n/a	(unrelated sample)
ZZZZZZ	QT231756.D	01/06/25 13:07	n/a	(unrelated sample)
ZZZZZZ	QT231757.D	01/06/25 13:48	n/a	(unrelated sample)
GQT3106-CC3105	QT231758.D	01/06/25 14:23	n/a	Continuing cal 5
JE3522-11	QT231759.D	01/06/25 15:00	n/a	123124VP06 INDOOR
JE3522-12	QT231760.D	01/06/25 15:40	n/a	123124VP06 SUBSLAB
JE3522-13	QT231761.D	01/06/25 16:19	n/a	123124VP07 INDOOR
JE3522-14	QT231762.D	01/06/25 16:55	n/a	123124VP07 SUBSLAB
JE3522-15	QT231763.D	01/06/25 17:38	n/a	123124 OUTDOOR
GQT3106-CC3105	QT231764.D	01/06/25 18:14	n/a	Continuing cal 10

Run Sequence Report

Job Number: JE3522
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: GQT3108	**Method:** EPA TO-3	**Instrument ID:** GCQT

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GQT3108-CC3105	QT231779.D	01/09/25 14:30	n/a	Continuing cal 5
GQT3108-BS	QT231780.D	01/09/25 15:10	n/a	Blank Spike
GQT3108-MB	QT231781.D	01/09/25 15:55	n/a	Method Blank
JE3522-1	QT231782.D	01/09/25 16:35	n/a	123124VP01 INDOOR
JE3522-1DUP	QT231783.D	01/09/25 17:17	n/a	Duplicate
GQT3108-CC3105	QT231784.D	01/09/25 17:59	n/a	Continuing cal 10
JE3522-2	QT231785.D	01/09/25 18:38	n/a	123124VP01 SUBSLAB
JE3522-3	QT231786.D	01/09/25 19:19	n/a	123124VP02 INDOOR
JE3522-4	QT231787.D	01/09/25 20:00	n/a	123124VP02 SUBSLAB
JE3522-5	QT231788.D	01/09/25 20:42	n/a	123124VP03 INDOOR
JE3522-6	QT231789.D	01/09/25 21:22	n/a	123124VP03 SUBSLAB
JE3522-7	QT231790.D	01/09/25 22:05	n/a	123124VP04 INDOOR
GQT3108-CC3105	QT231791.D	01/09/25 22:44	n/a	Continuing cal 5
JE3522-8	QT231792.D	01/09/25 23:24	n/a	123124VP04 SUBSLAB
JE3522-9	QT231793.D	01/10/25 00:03	n/a	123124VP05 INDOOR
JE3522-10	QT231794.D	01/10/25 00:44	n/a	123124VP05 SUBSLAB
GQT3108-CC3105	QT231795.D	01/10/25 01:26	n/a	Continuing cal 10

GC Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231782.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 16:35:58
Operator : williamc
Sample : je3522-1
Misc : GC64264,GQT3108,,,,,1.6
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:12:25 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.691	2375865	8.850 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	88.50%
26) s 4-Bromofluorobenzene #2	17.693	2463730	7.514 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	75.14%
Target Compounds			

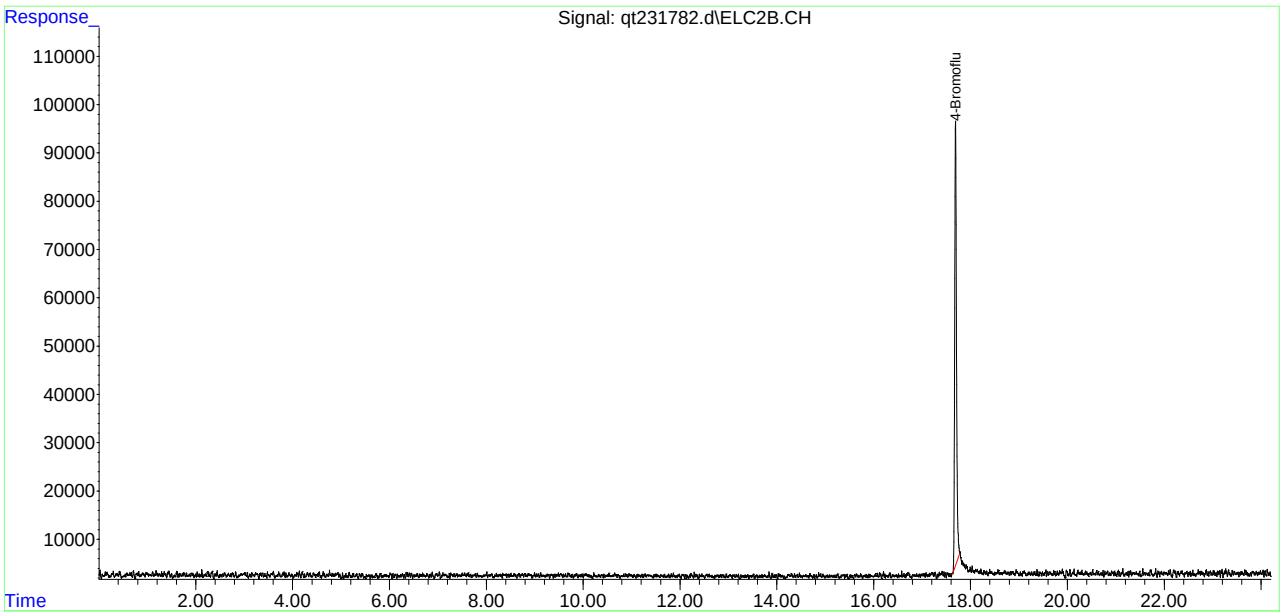
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231782.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 16:35:58
Operator : williamc
Sample : je3522-1
Misc : GC64264,GQT3108,,,,,1.6
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:12:25 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/10/25 15:07

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231785.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 18:38:58
Operator : williamc
Sample : je3522-2
Misc : GC64264,GQT3108,,,,,1.43
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:22:20 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.691	2526568	9.411 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	94.11%	
26) s	4-Bromofluorobenzene #2	17.693	2587417	7.891 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	78.91%	
	Target Compounds			
11)	METHANE #2	3.798	3591366	12.127 PPMV m
13)	PROPANE #2	4.225	2107780	2.329 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	6501593	21.875 PPMV
30) H	TPH Range A as Methan...	6.000	6807361	22.857 ppmv
31) H	TPH Range A as Methan...	6.000	3235065	10.879 PPMV
33) H	TPH Range A as Propan...	6.000	6827711	7.601 ppmv

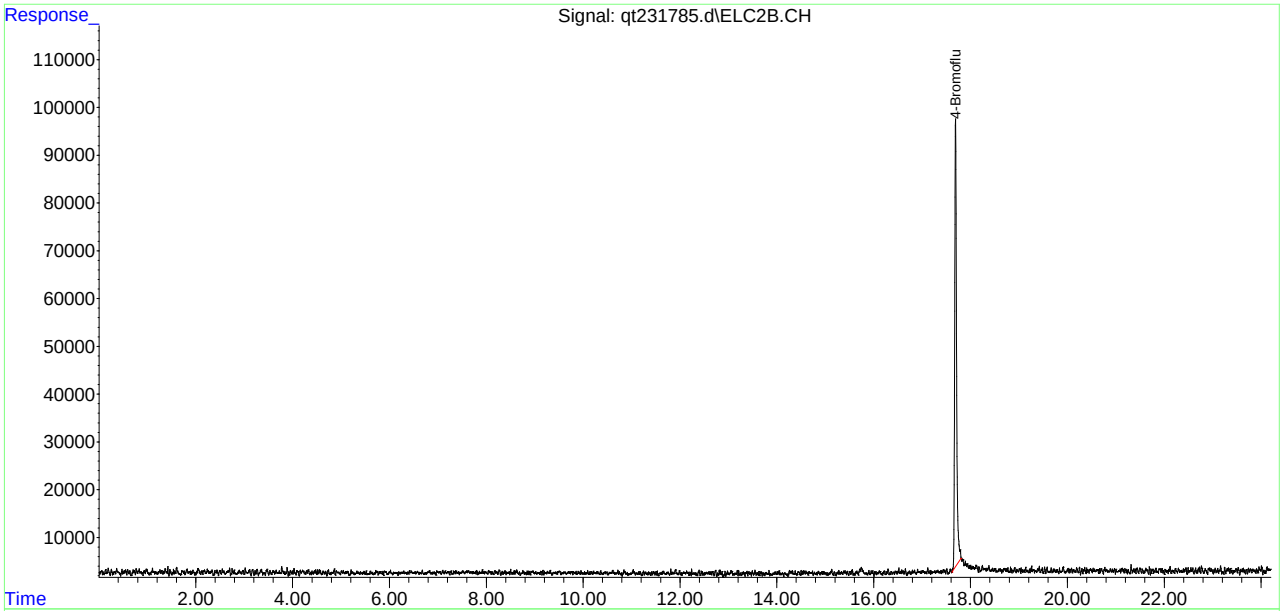
(f)=RT Delta > 1/2 Window (m)=manual int.

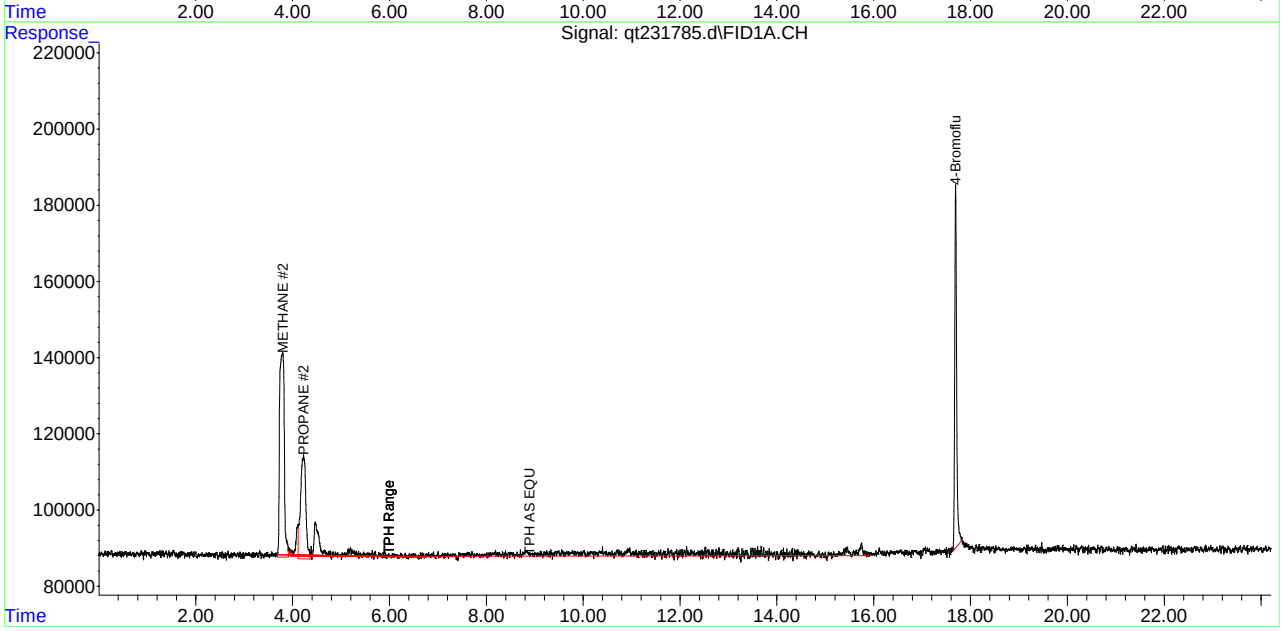
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231785.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 18:38:58
Operator : williamc
Sample : je3522-2
Misc : GC64264,GQT3108,,,,,1.43
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:22:20 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number: JE3522-2
Lab FileID: QT231785.D
Injection Time: 01/09/25 18:38

Method: EPA TO-3
Analyst approved: 01/10/25 14:43 William Cruser
Supervisor approved: 01/10/25 15:07 Kanya Veerawat

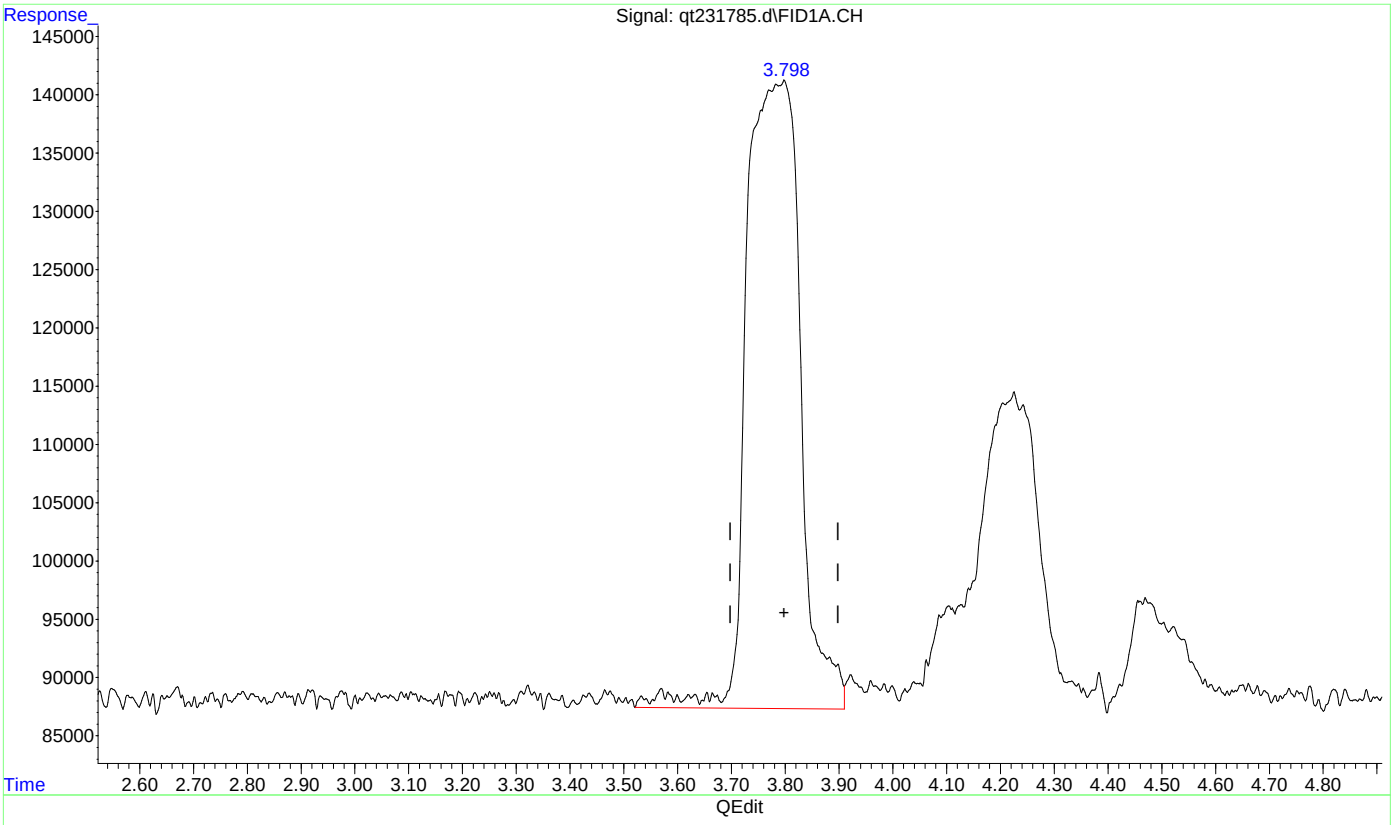
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	2	3.80	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231785.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 18:38:58
Operator : williamc
Sample : je3522-2
Misc : GC64264,GQT3108,,,,,1.43
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:07 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(11) METHANE #2

3.798min 12.558 PPMV

response 3718913

(+) = Expected Retention Time

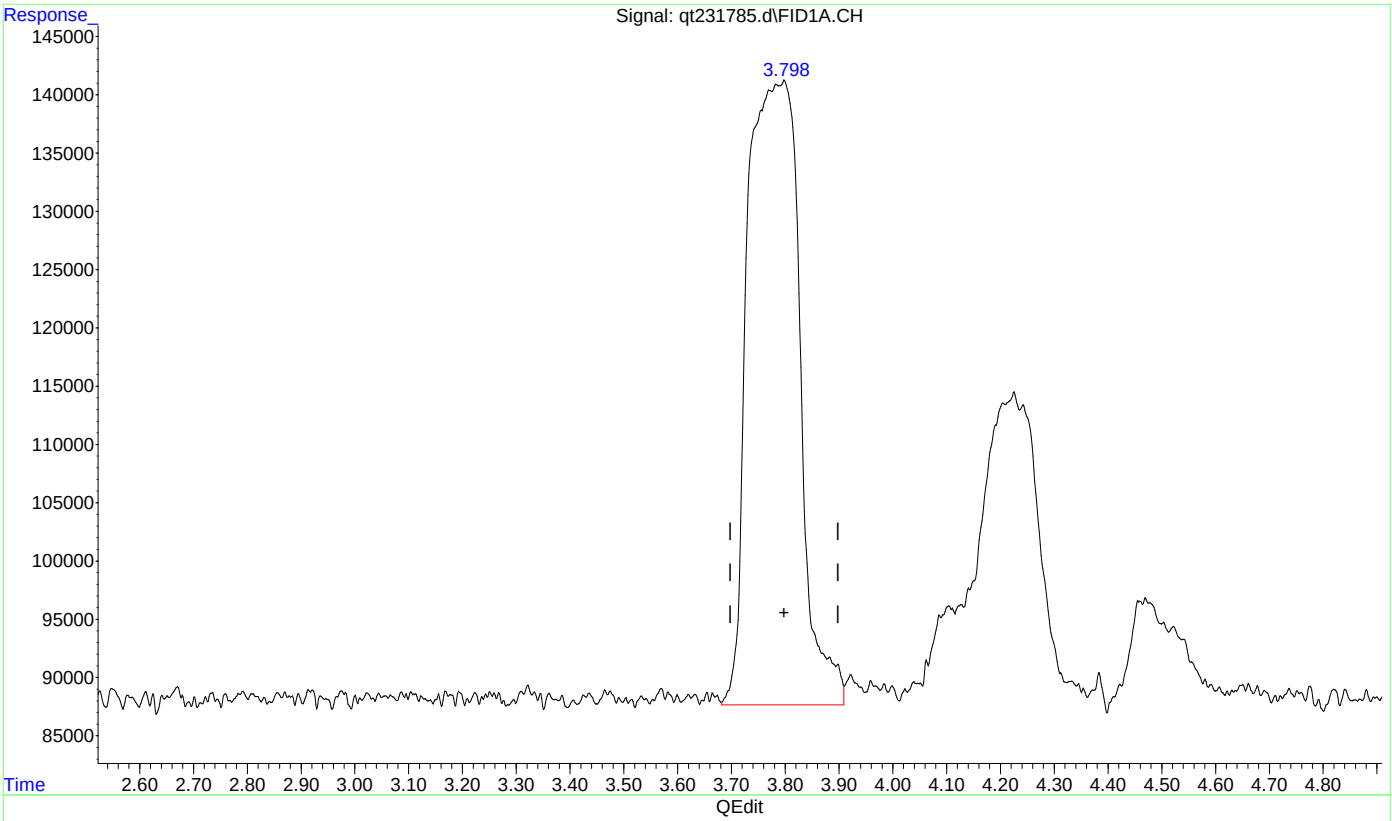
MQT3105.M Fri Jan 10 13:20:02 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231785.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 18:38:58
Operator : williamc
Sample : je3522-2
Misc : GC64264,GQT3108,,,,,1.43
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:07 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(11) METHANE #2

3.798min 12.127 PPMV m

response 3591366

(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:20:21 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231786.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 19:19:36 (#1); 09-Jan-25, 19:19:37 (#2)
Operator : williamc
Sample : je3522-3
Misc : GC64264,GQT3108,,,,,1.25
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:23:39 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.691	2536940	9.450 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	94.50%
26) s 4-Bromofluorobenzene #2	17.692	2371558	7.233 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	72.33%
Target Compounds			

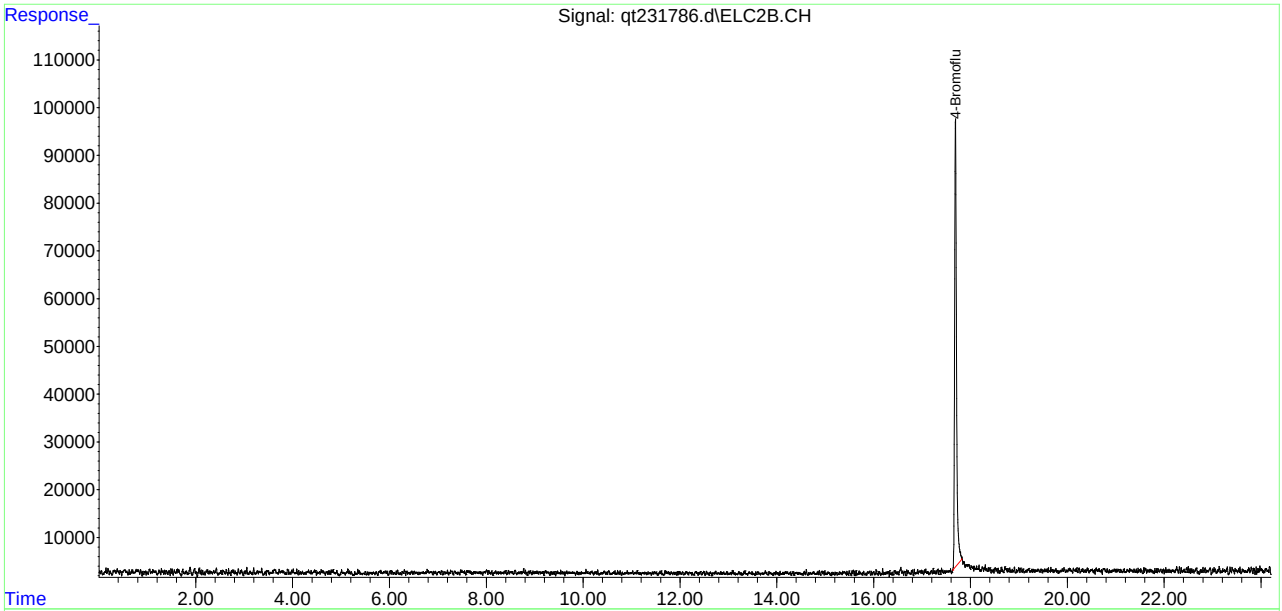
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231786.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 19:19:36 (#1); 09-Jan-25, 19:19:37 (#2)
Operator : williamc
Sample : je3522-3
Misc : GC64264,GQT3108,,,,,1.25
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:23:39 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/10/25 15:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:00:18
Operator : williamc
Sample : je3522-4
Misc : GC64264,GQT3108,,,,,1.35
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:30:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.691	2478433	9.232 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	92.32%
26) s	4-Bromofluorobenzene #2	17.693	2473389	7.544 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	75.44%
	Target Compounds			
3)	TOLUENE	14.284	66949	0.086 PPMV m
5)	m,p-XYLENE	16.561	88739	0.095 PPMV m
6)	o-XYLENE	17.060	77580	0.105 PPMV m
13)	PROPANE #2	4.242	463241	0.512 PPMV m
20)	TOLUENE #2	14.281	115860	0.068 PPMV m
22)	m,p-XYLENE #2	16.558	198076	0.095 PPMV m
23)	o-XYLENE #2	17.076	360085	0.226 PPMV m
27) H	TPH AS EQUIV PENTANE #2	8.900	11303882	7.623 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	11315714	38.072 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	12173426	7.181 PPMV
30) H	TPH Range A as Methan...	6.000	2283085	7.666 ppmv
31) H	TPH Range A as Methan...	6.000	1890533	6.358 PPMV
32) H	TPH Range B as Pentan...	12.500	8046404	5.441 ppmv
34) H	TPH Range B as Hexane #2	12.500	8763592	5.168 ppmv

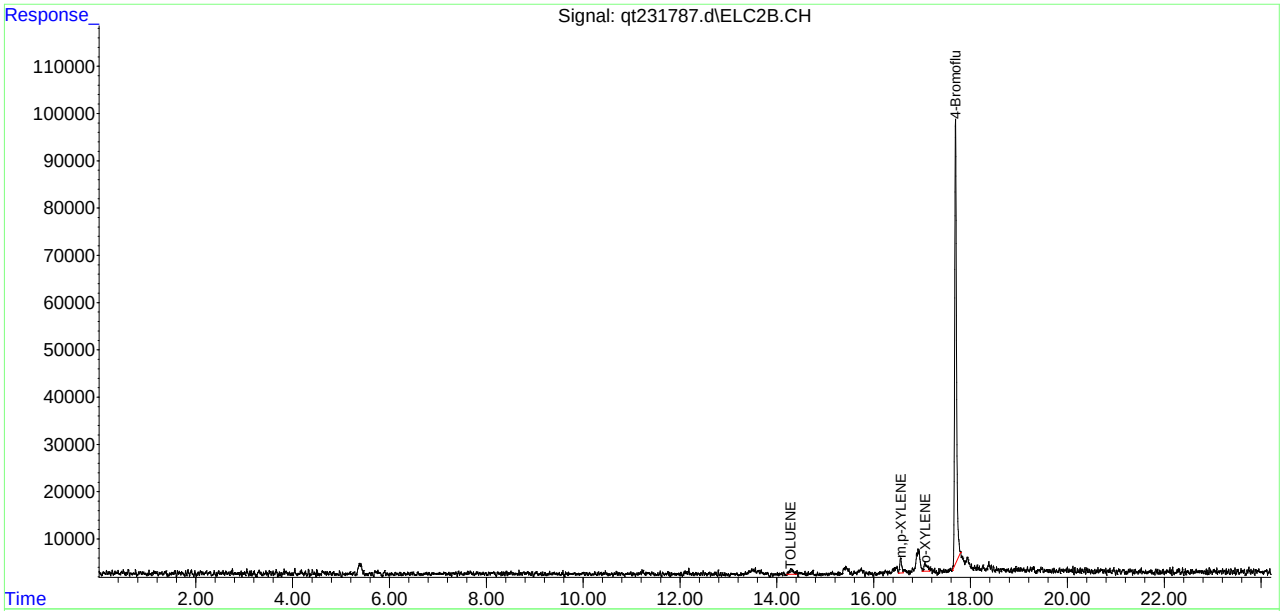
(f)=RT Delta > 1/2 Window (m)=manual int.

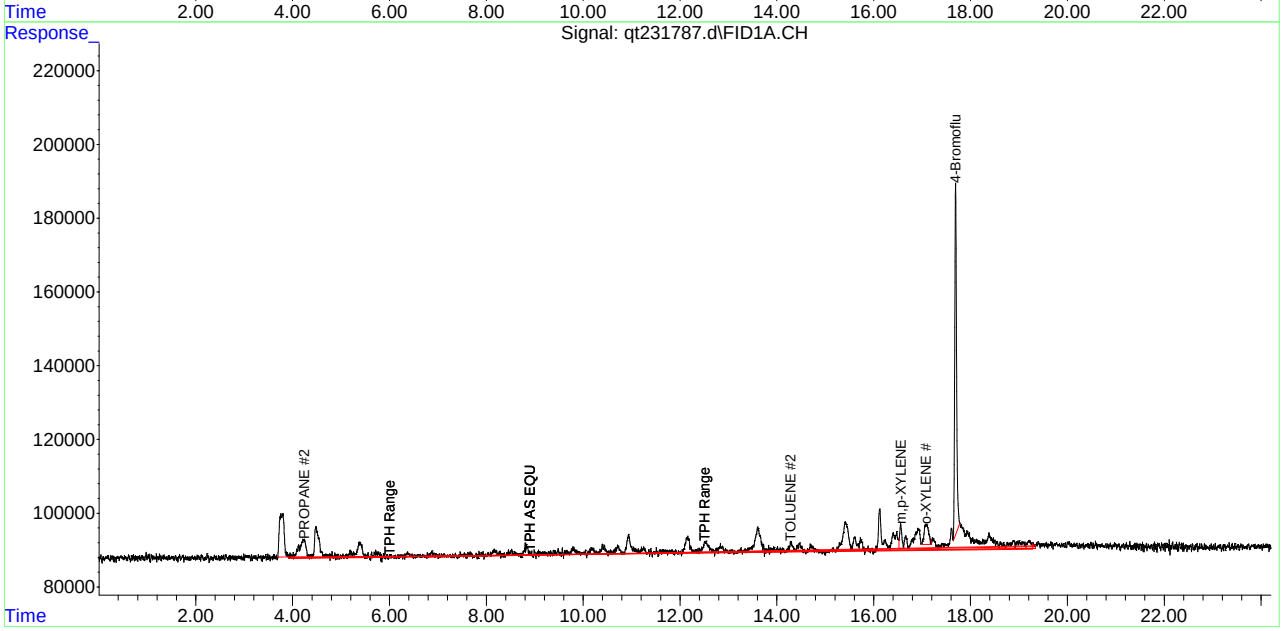
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:00:18
Operator : williamc
Sample : je3522-4
Misc : GC64264,GQT3108,,,,,1.35
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:30:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number: JE3522-4
Lab FileID: QT231787.D
Injection Time: 01/09/25 20:00
Method: EPA TO-3
Analyst approved: 01/10/25 14:43 William Cruser
Supervisor approved: 01/10/25 15:13 Kanya Veerawat

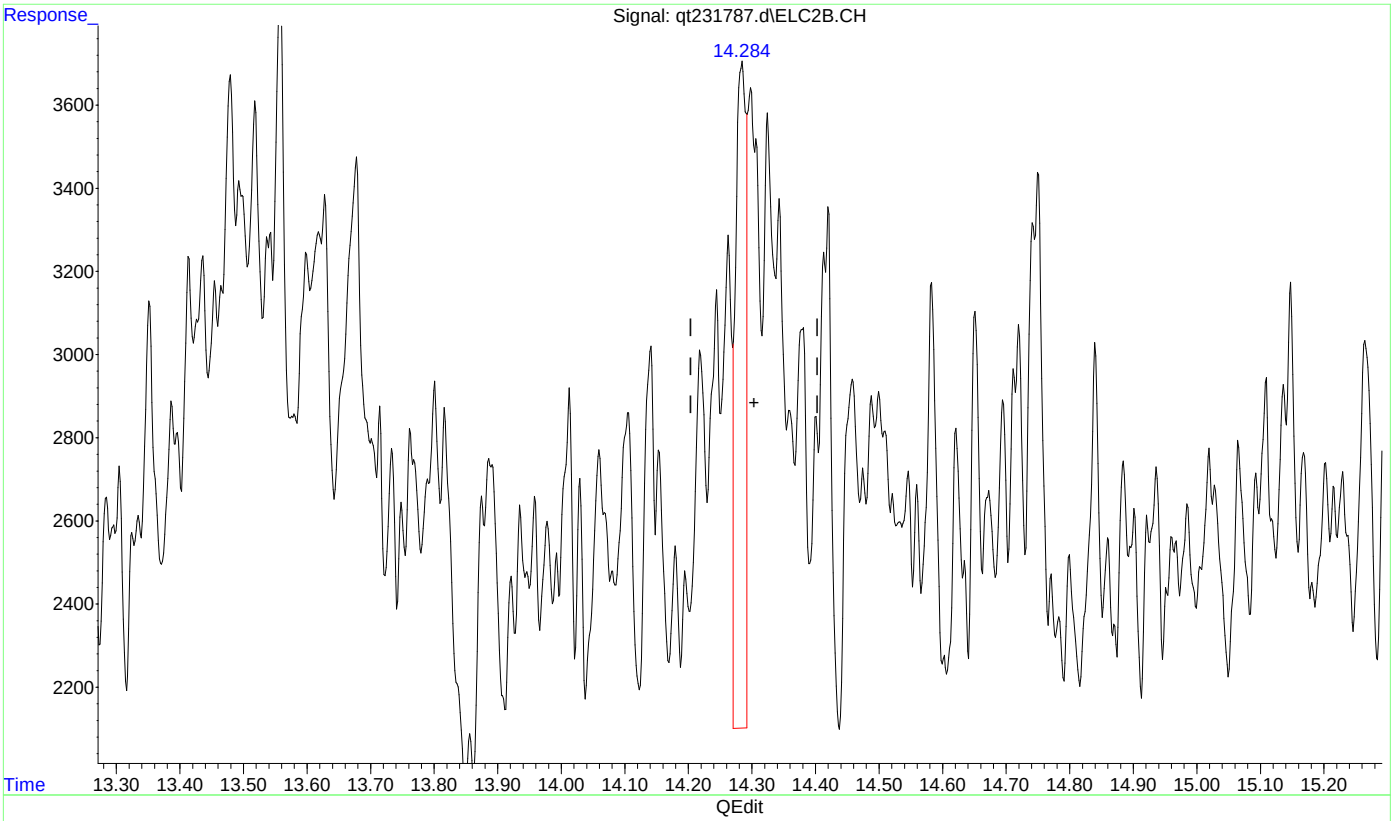
Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	2	4.24	Split peak
Toluene	108-88-3	1	14.28	Split peak
Toluene	108-88-3	2	14.28	Missed peak
m,p-Xylene		1	16.56	Missed peak
m,p-Xylene		2	16.56	Missed peak
o-Xylene	95-47-6	1	17.06	Missed peak
o-Xylene	95-47-6	2	17.08	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:00:18
Operator : williamc
Sample : je3522-4
Misc : GC64264,GQT3108,,,,,1.35
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(3) TOLUENE

14.285min 0.023 PPMV

response 18149

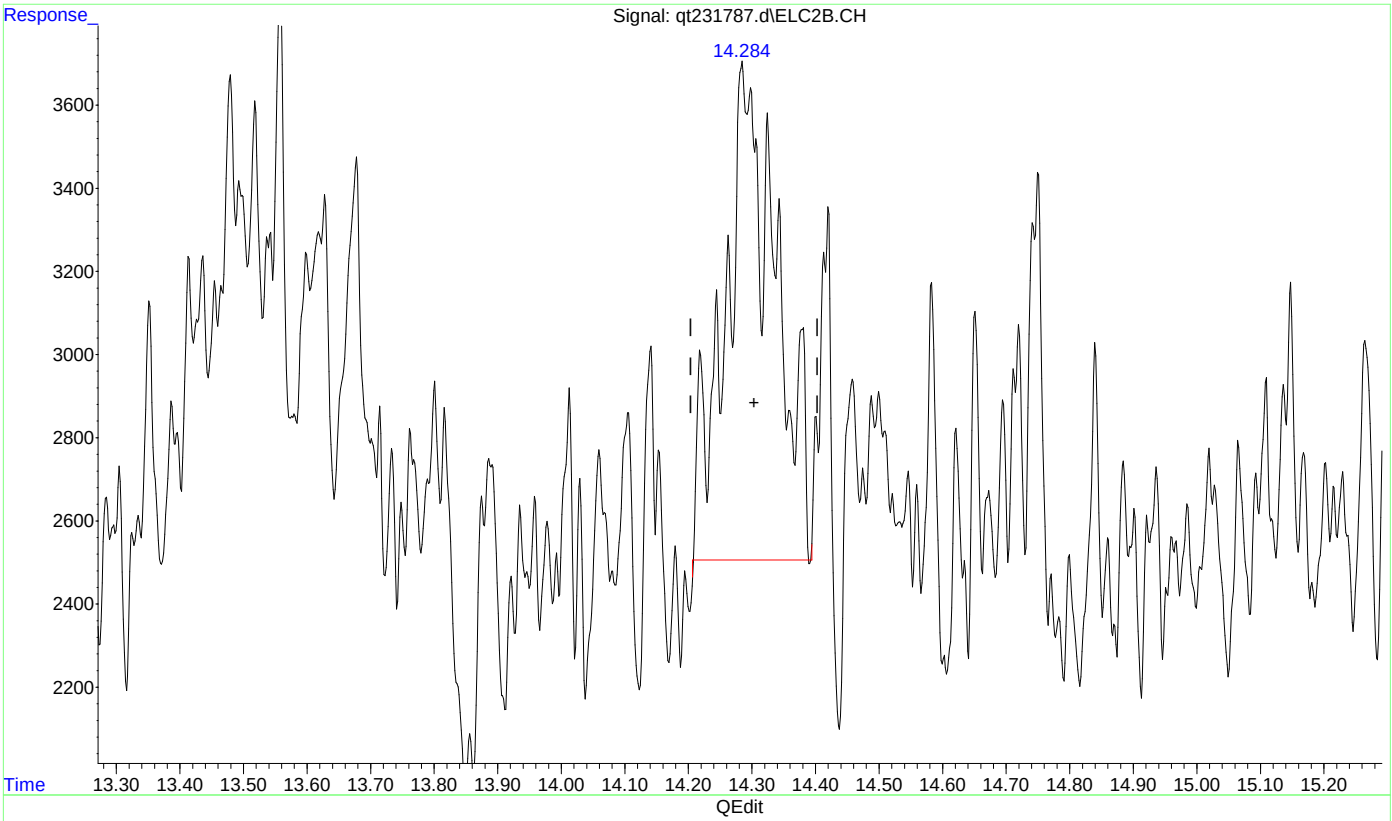
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:25:23 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 09-Jan-25, 20:00:18
Operator : williamc
Sample   : je3522-4
Misc   : GC64264,GQT3108,,,,,1.35
ALS Vial : 9   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(3) TOLUENE

14.284min 0.086 PPMV m

response 66949

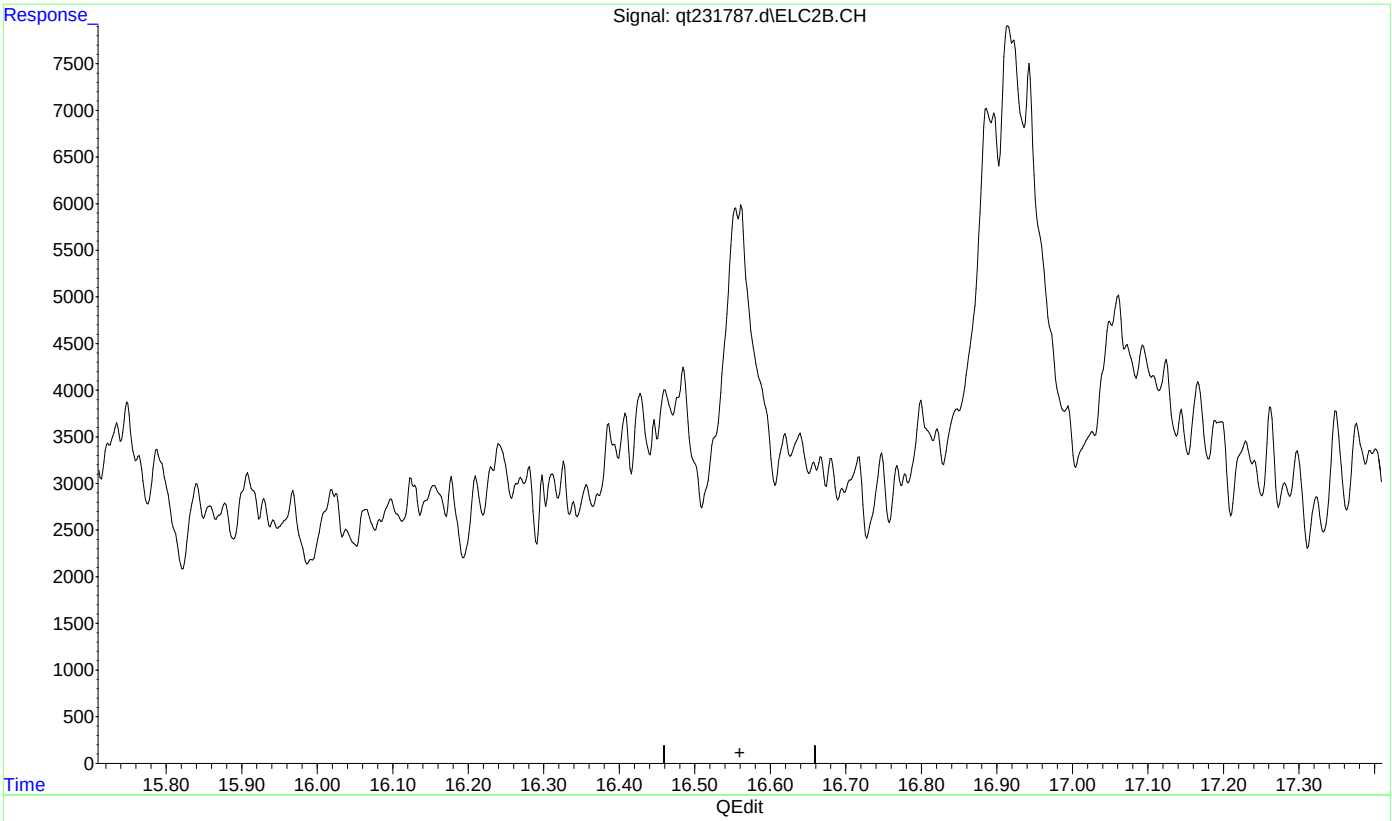
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:25:41 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:00:18
Operator : williamc
Sample : je3522-4
Misc : GC64264,GQT3108,,,,,1.35
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(5) m,p-XYLENE

16.560min 0.000 PPMV

response 0

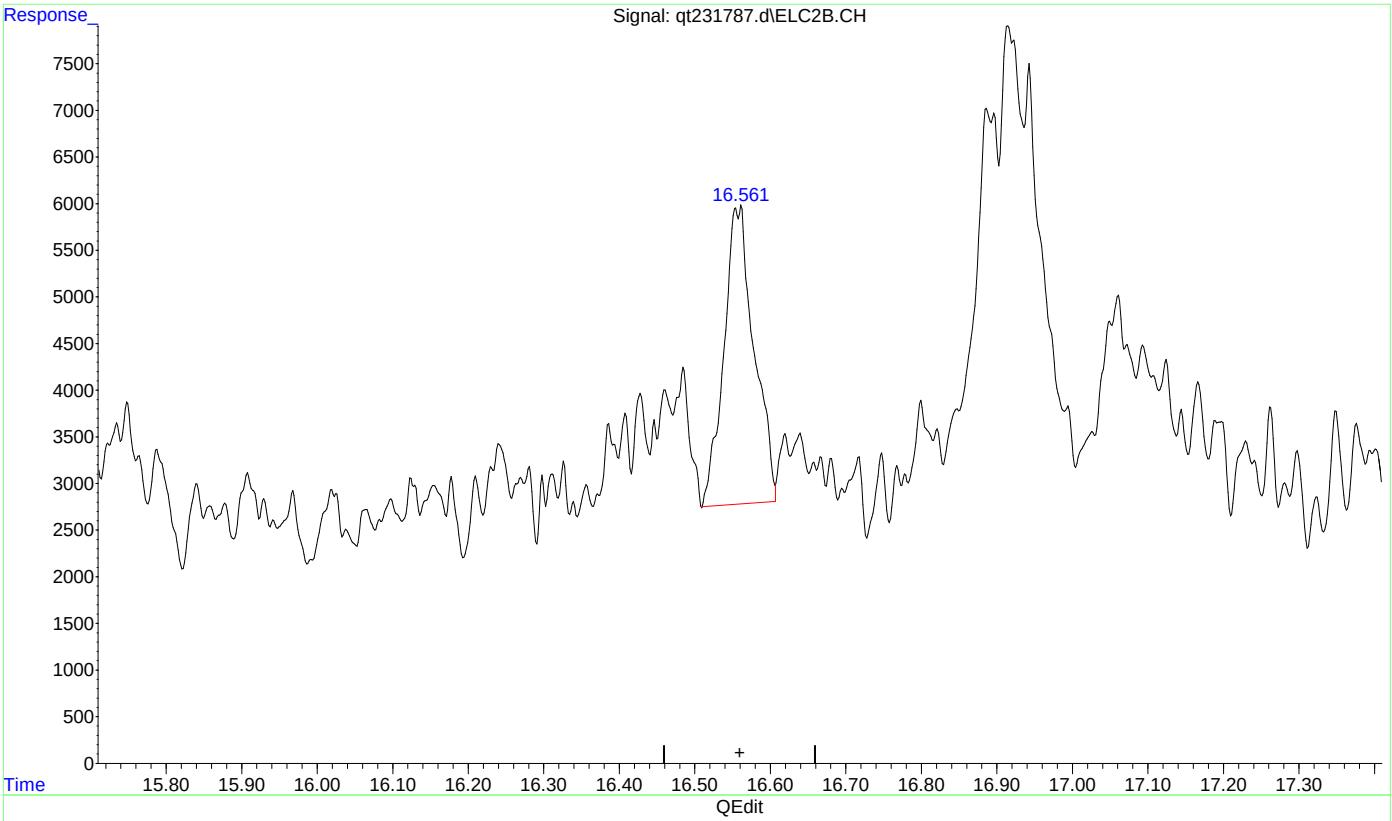
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:26:07 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:00:18
Operator : williamc
Sample : je3522-4
Misc : GC64264,GQT3108,,,,,1.35
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(5) m,p-XYLENE

16.561min 0.095 PPMV m

response 88739

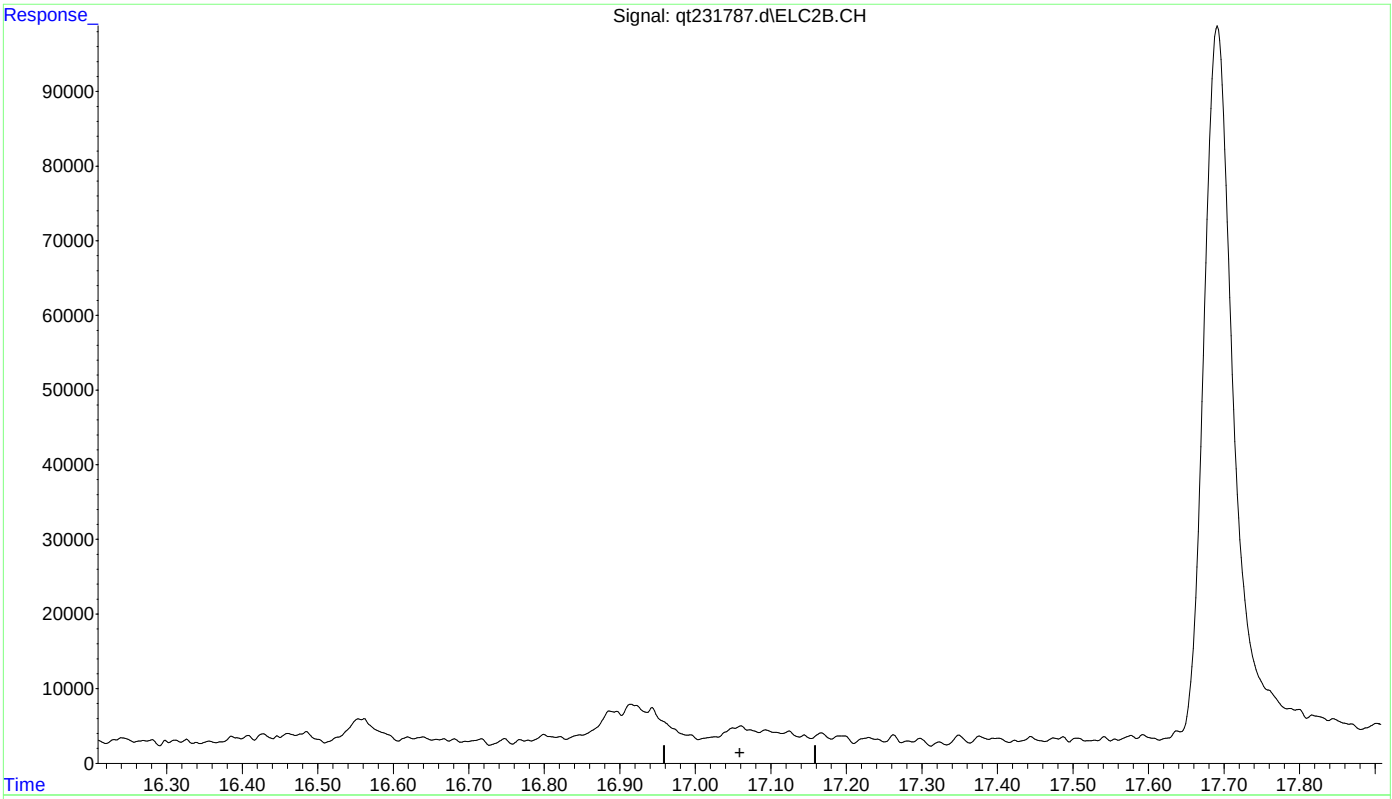
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:26:16 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:00:18
Operator : williamc
Sample : je3522-4
Misc : GC64264,GQT3108,,,,,1.35
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(6) o-XYLENE

17.059min 0.000 PPMV

response 0

(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:26:24 2025

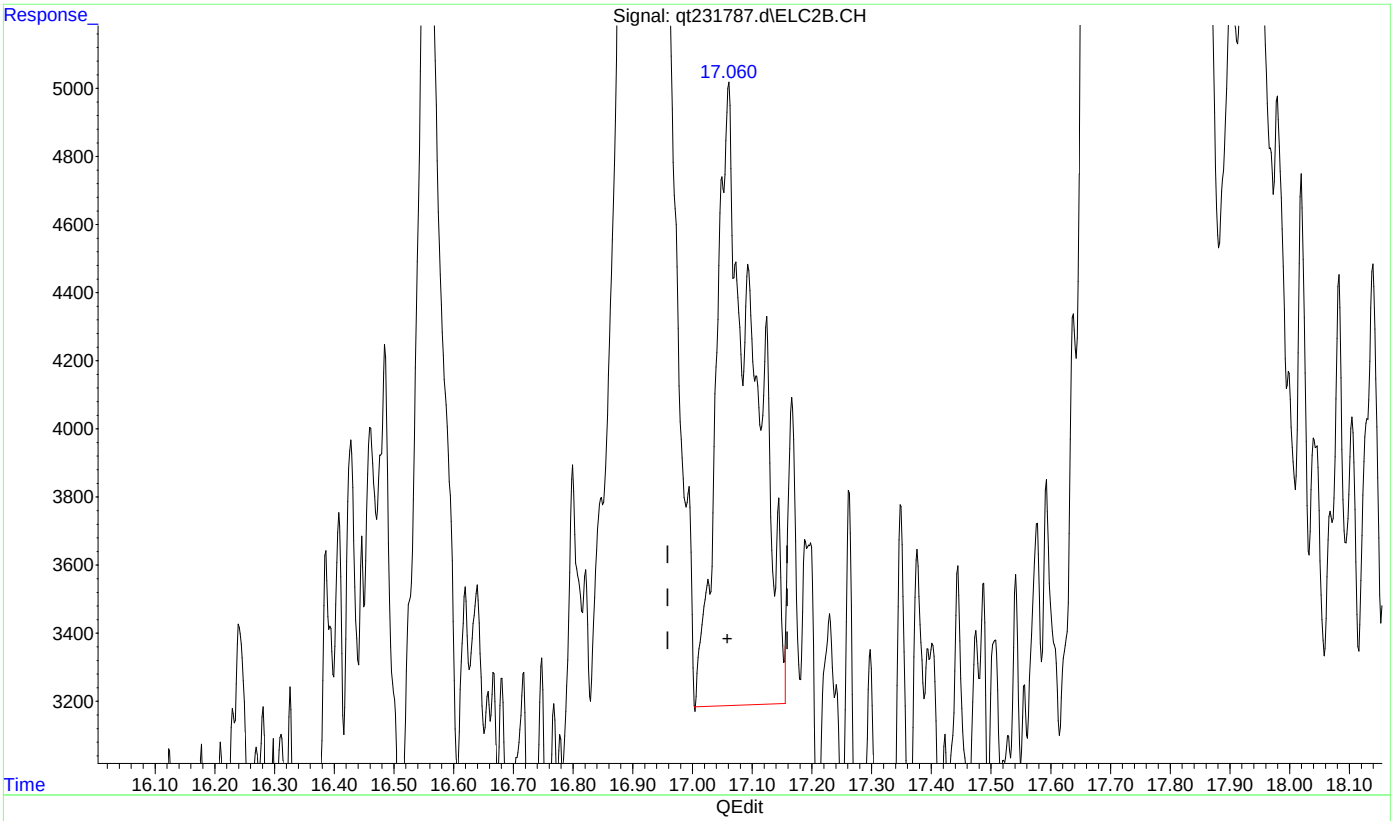
QT231787.D edits: o-XYLENE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 09-Jan-25, 20:00:18
Operator : williamc
Sample   : je3522-4
Misc   : GC64264,GQT3108,,,,,1.35
ALS Vial : 9   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(6) o-XYLENE

17.060min 0.105 PPMV m

response 77580

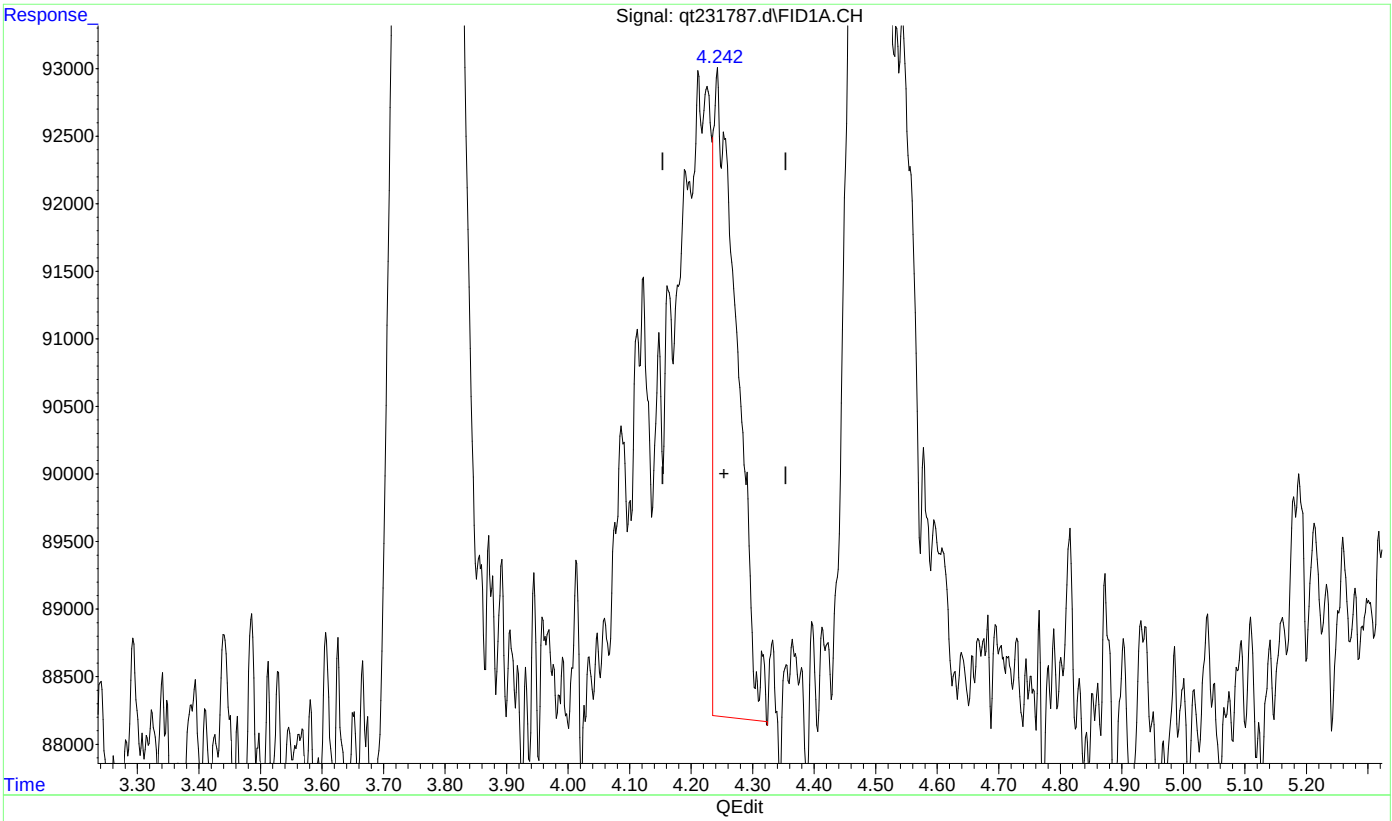
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:26:36 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:00:18
Operator : williamc
Sample : je3522-4
Misc : GC64264,GQT3108,,,,,1.35
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(13) PROPANE #2

4.242min 0.142 PPMV

response 128074

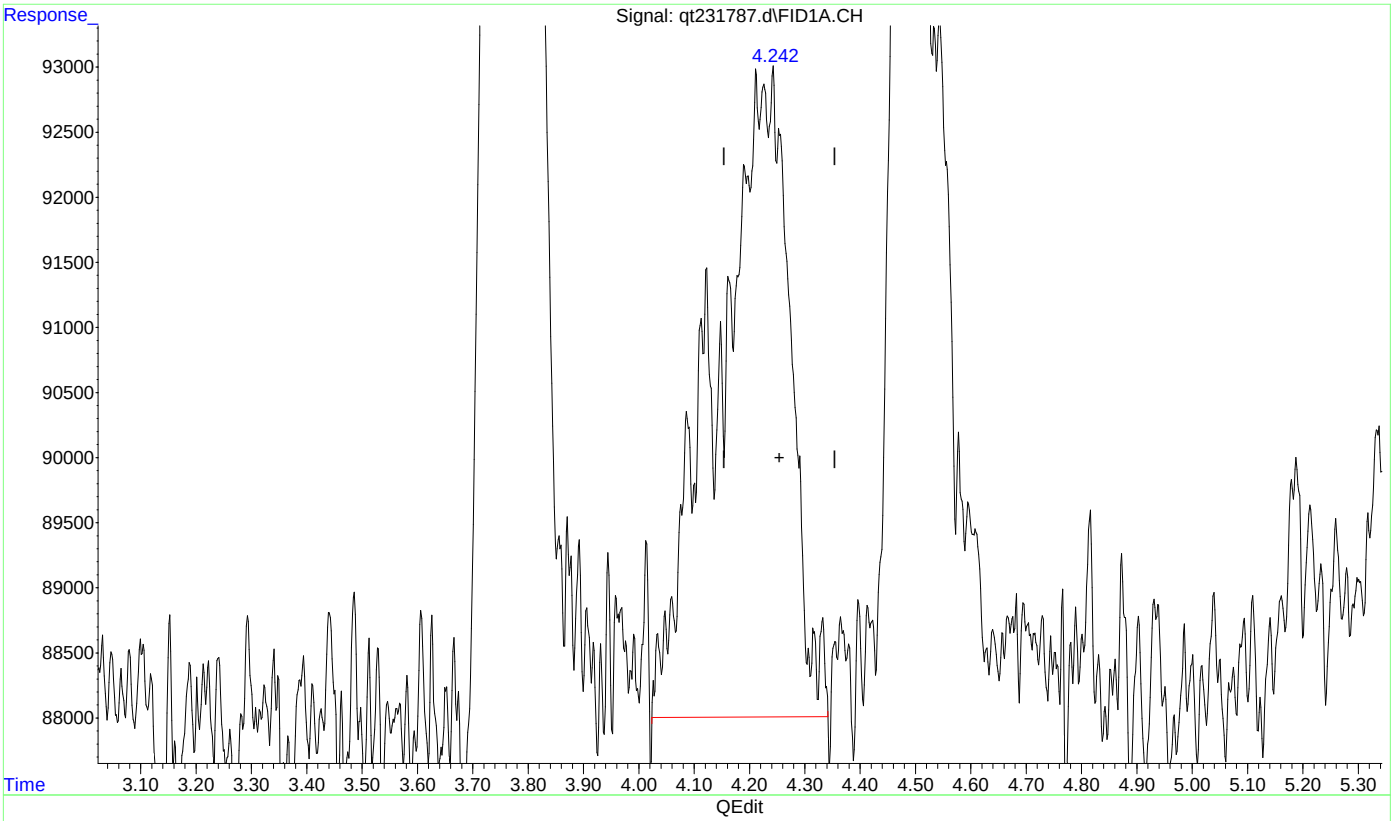
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:27:03 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:00:18
Operator : williamc
Sample : je3522-4
Misc : GC64264,GQT3108,,,,,1.35
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(13) PROPANE #2

4.242min 0.512 PPMV m

response 463241

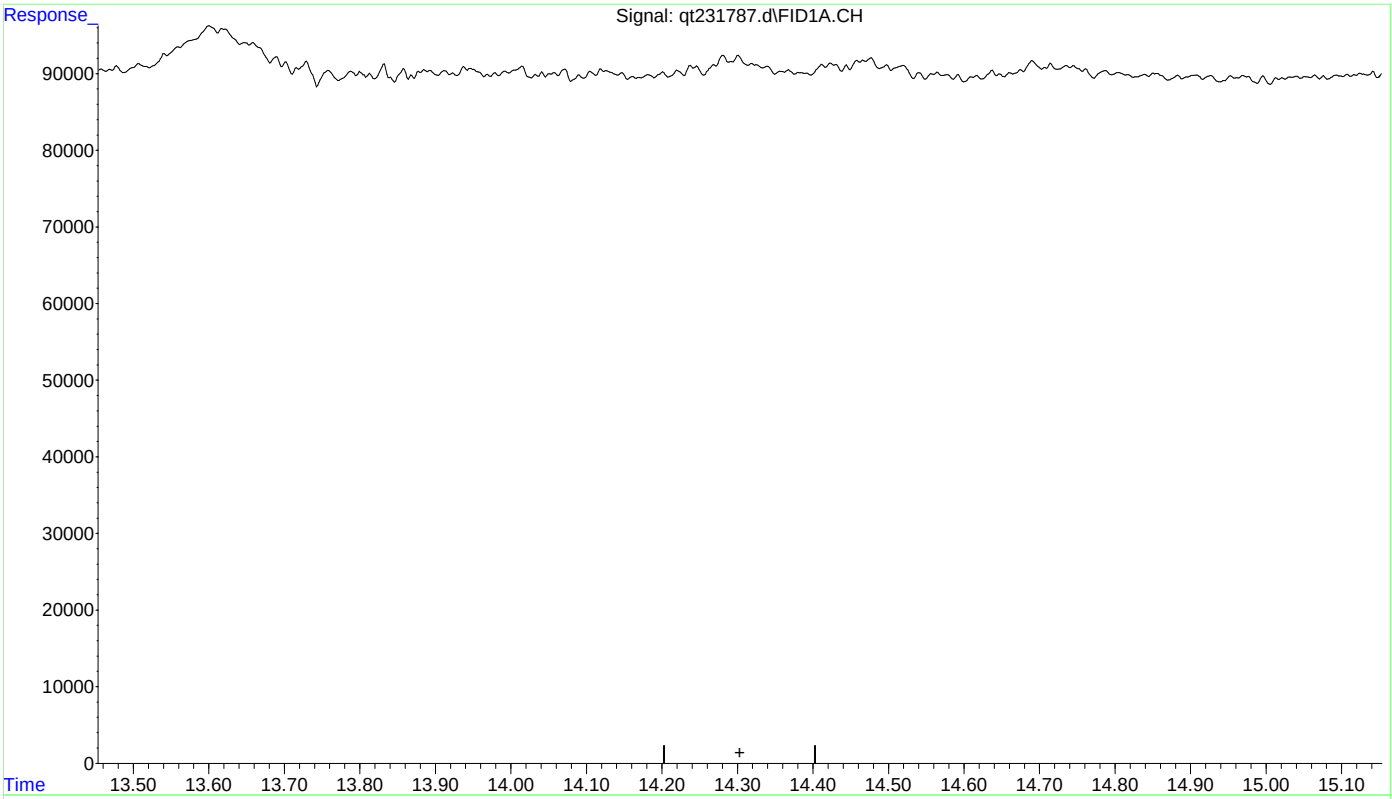
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:27:38 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:00:18
Operator : williamc
Sample : je3522-4
Misc : GC64264,GQT3108,,,,,1.35
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(20) TOLUENE #2

14.303min 0.000 PPMV

response 0

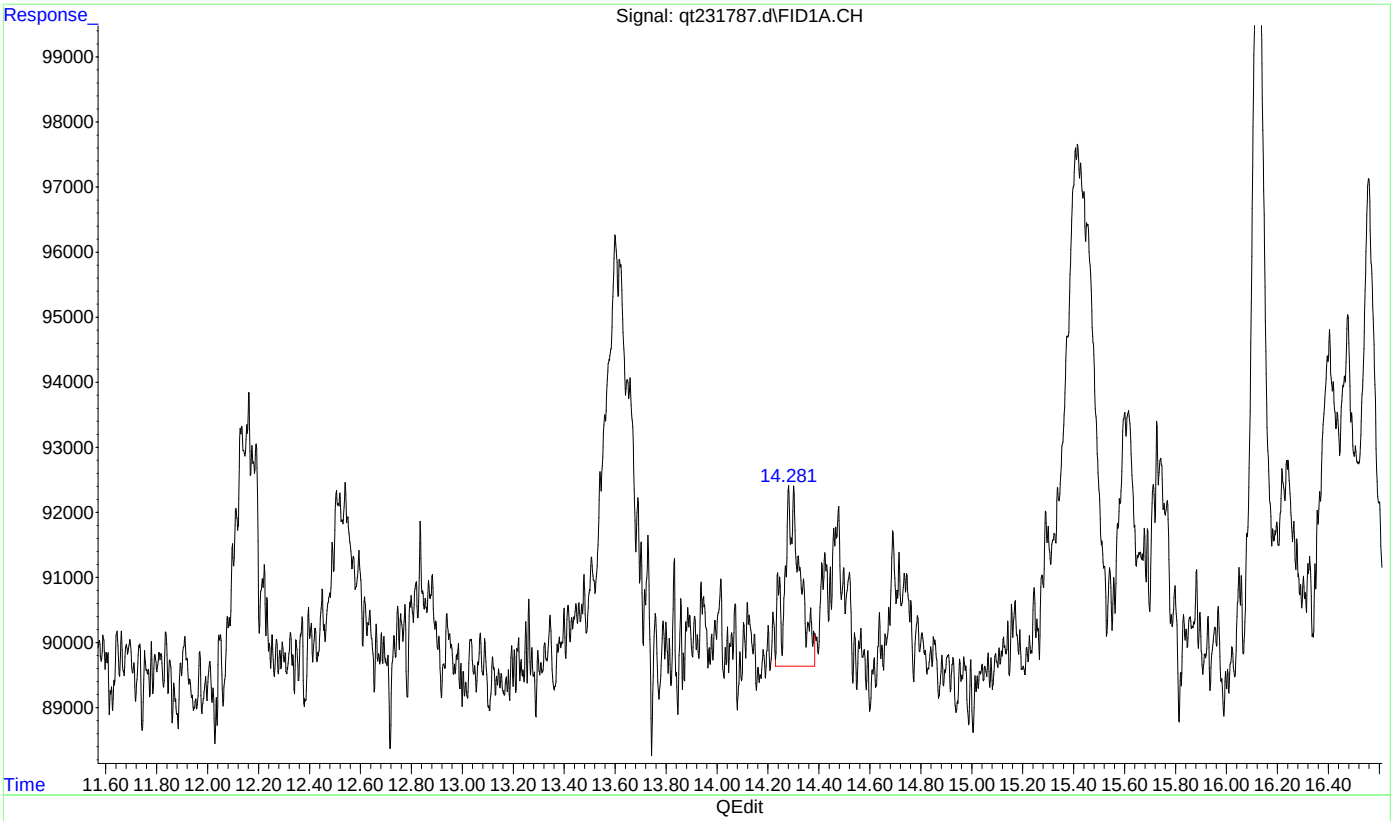
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:27:54 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:00:18
Operator : williamc
Sample : je3522-4
Misc : GC64264,GQT3108,,,,,1.35
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(20) TOLUENE #2

14.281min 0.068 PPMV m

response 115860

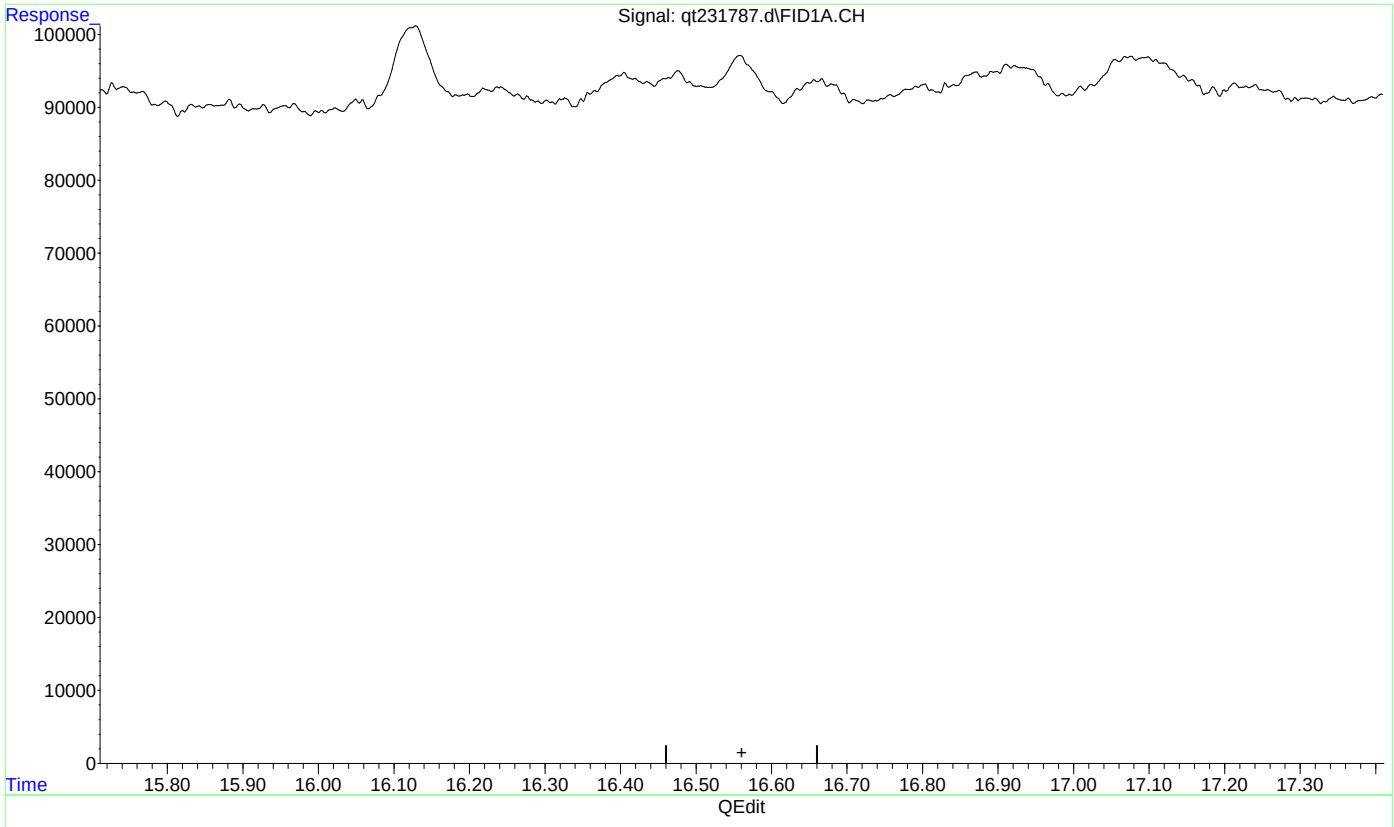
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:28:12 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 09-Jan-25, 20:00:18
Operator : williamc
Sample   : je3522-4
Misc   : GC64264,GQT3108,,,,,1.35
ALS Vial : 9   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(22) m,p-XYLENE #2

16.561min 0.000 PPMV

response 0

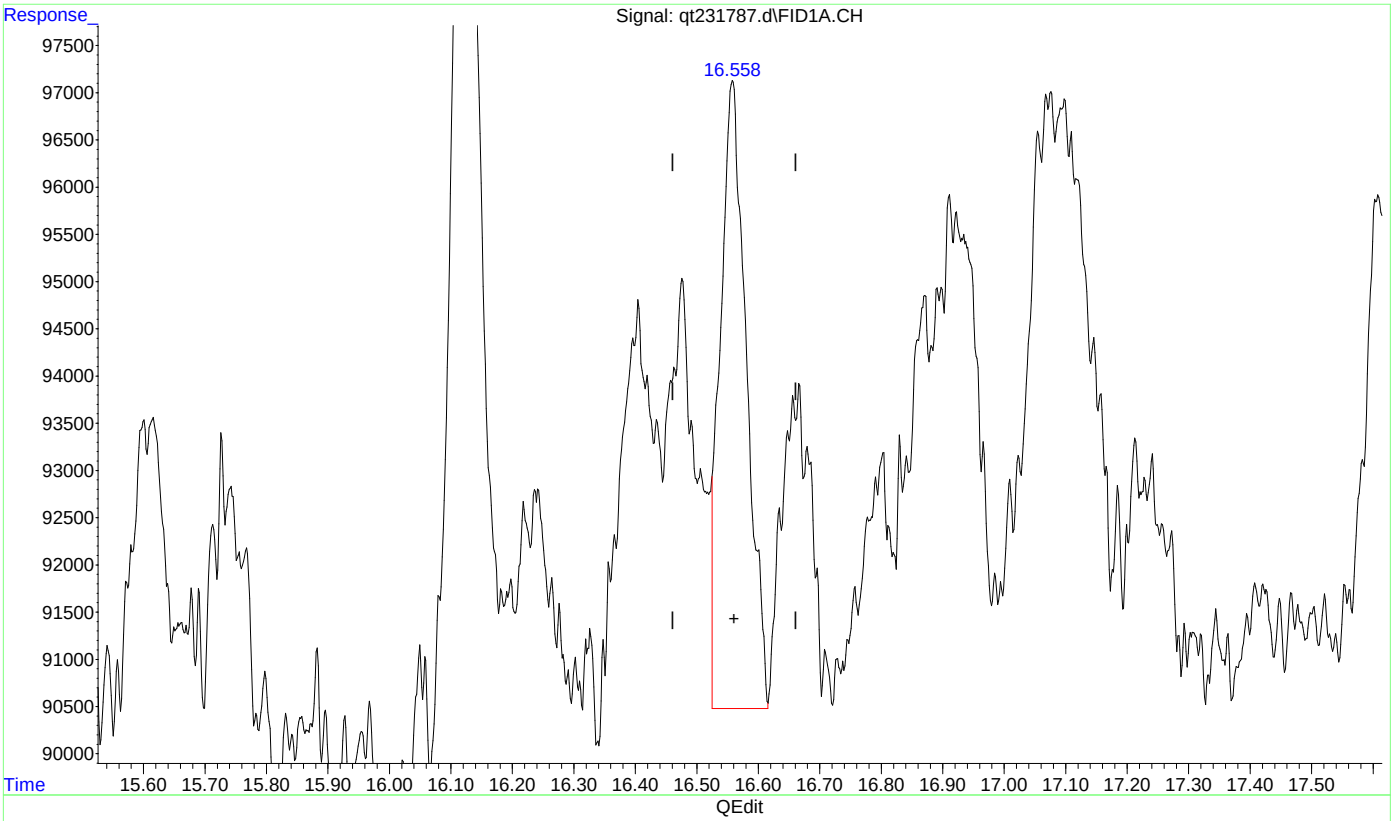
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:28:21 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:00:18
Operator : williamc
Sample : je3522-4
Misc : GC64264,GQT3108,,,,,1.35
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(22) m,p-XYLENE #2

16.558min 0.095 PPMV m

response 198076

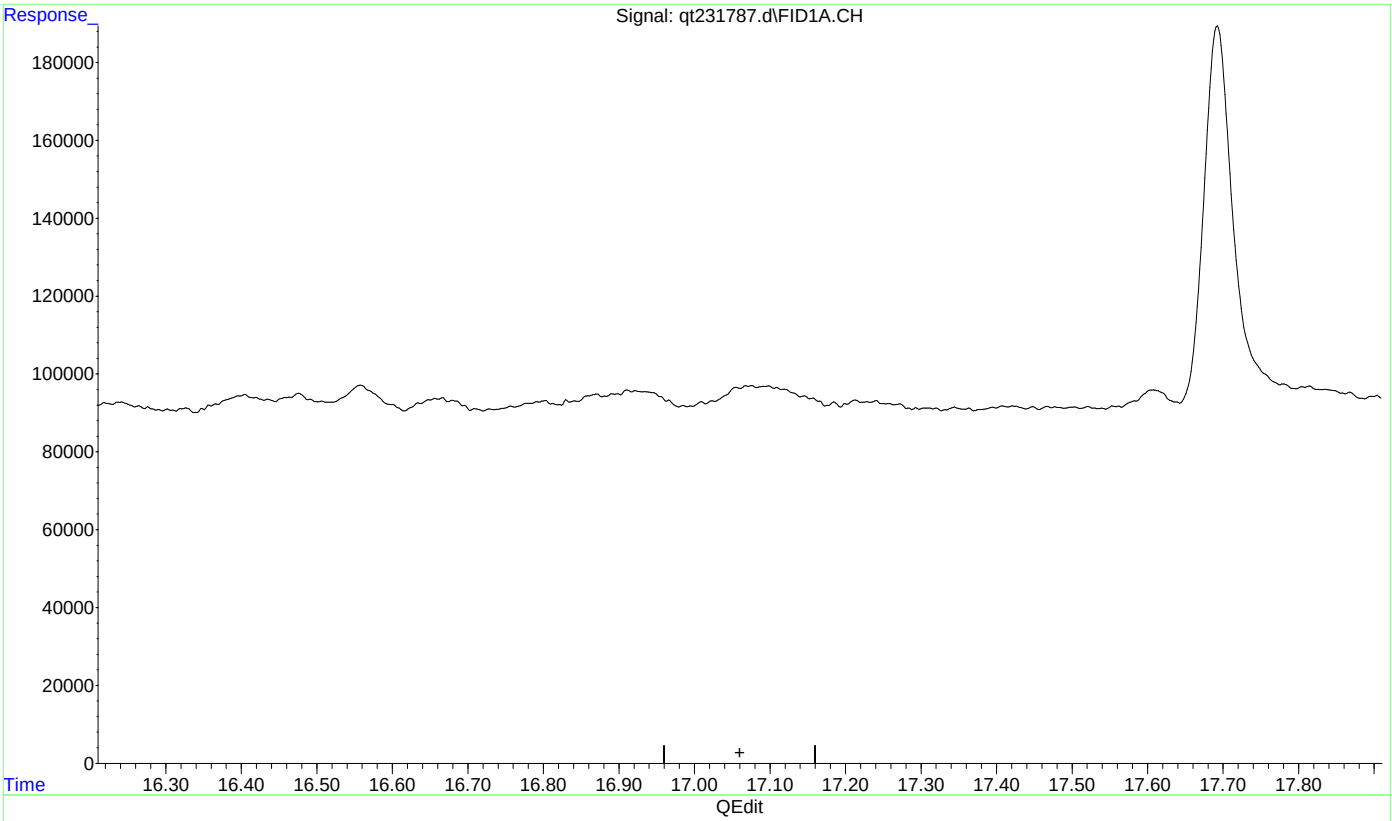
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:28:39 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 09-Jan-25, 20:00:18
Operator : williamc
Sample   : je3522-4
Misc   : GC64264,GQT3108,,,,,1.35
ALS Vial : 9   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(23) o-XYLENE #2

17.060min 0.000 PPMV

response 0

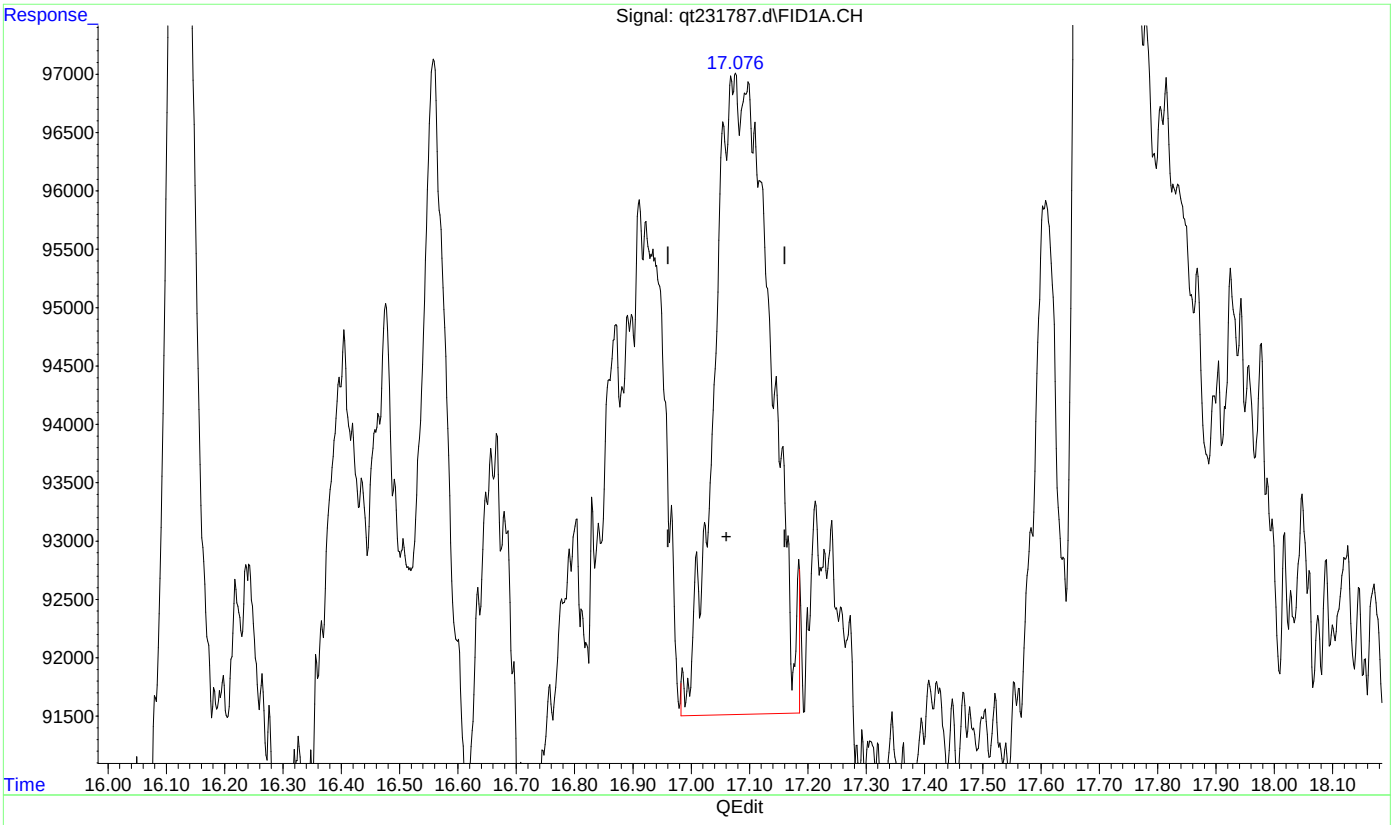
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:28:48 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231787.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:00:18
Operator : williamc
Sample : je3522-4
Misc : GC64264,GQT3108,,,,,1.35
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(23) o-XYLENE #2

17.076min 0.226 PPMV m

response 360085

(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:29:04 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231788.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:42:57
Operator : williamc
Sample : je3522-5
Misc : GC64264,GQT3108,,,,,1.52
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:40:46 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.691	2529152	9.421 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	94.21%
26) s 4-Bromofluorobenzene #2	17.692	2548807	7.774 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	77.74%
Target Compounds			

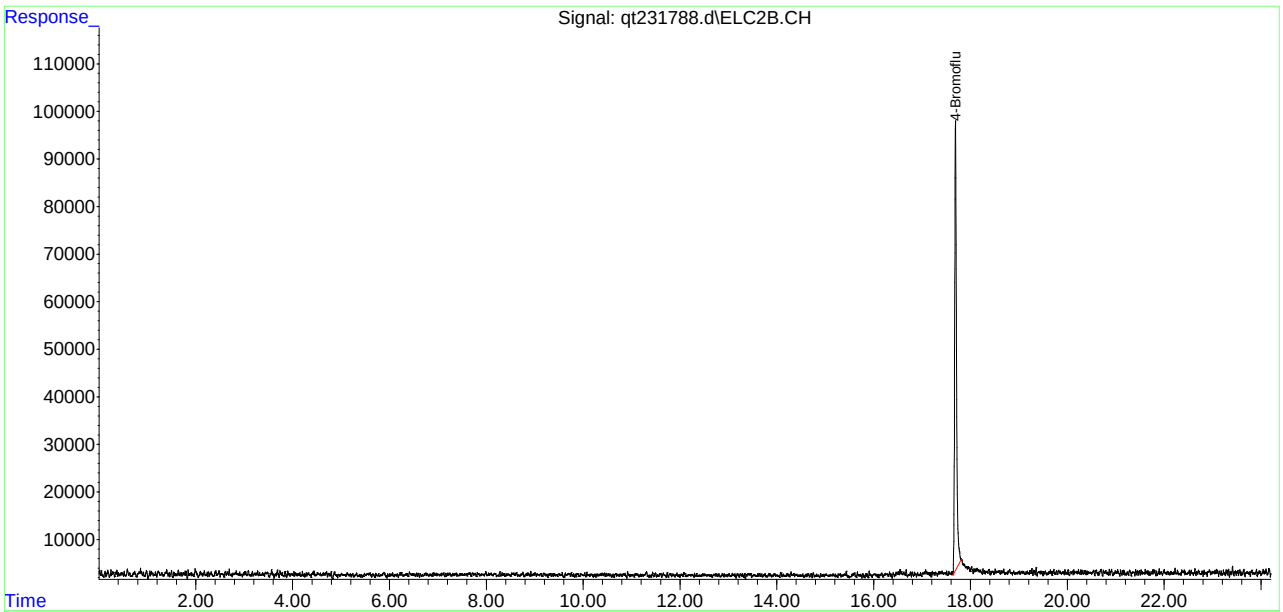
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231788.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 20:42:57
Operator : williamc
Sample : je3522-5
Misc : GC64264,GQT3108,,,,,1.52
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:40:46 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/10/25 15:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:59:16 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

		Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds							
9)	s	4-Bromofluorobenzene	17.692	2490334	9.276	PPMV	
Spiked Amount		10.000	Range 59 - 135	Recovery =	92.76%		
26)	s	4-Bromofluorobenzene #2	17.693	2506559	7.645	PPMV	
Spiked Amount		10.000	Range 59 - 135	Recovery =	76.45%		
Target Compounds							
3)		TOLUENE	14.294	110230	0.141	PPMV	m
4)		ETHYLBENZENE	16.463	48798	0.071	PPMV	m
5)		m,p-XYLENE	16.561	135759	0.146	PPMV	m
6)		o-XYLENE	17.060	48834	0.066	PPMV	m
11)		METHANE #2	3.800	11416322	38.549	PPMV	
12)		ETHANE #2	3.800f	11416322	16.119	PPMV	
13)		PROPANE #2	4.240	950596	1.050	PPMV	
20)		TOLUENE #2	14.300	249121	0.147	PPMV	m
21)		ETHYLBENZENE #2	16.474	95535	0.052	PPMV	m
22)		m,p-XYLENE #2	16.560	262300	0.126	PPMV	m
23)		o-XYLENE #2	17.054	115747	0.073	PPMV	m
27)	H	TPH AS EQUIV PENTANE #2	8.900	11002173	7.419	PPMV	
28)	H	TPH AS EQUIV METHANE #2	8.900	10998845	37.006	PPMV	
29)	H	TPH AS EQUIV HEXANE #2	8.900	10942227	6.455	PPMV	
30)	H	TPH Range A as Methan...	6.000	13576465	45.586	ppmv	
31)	H	TPH Range A as Methan...	6.000	1549019	5.209	PPMV	
32)	H	TPH Range B as Pentan...	12.500	7615250	5.150	ppmv	
33)	H	TPH Range A as Propan...	6.000	13499144	15.029	ppmv	
34)	H	TPH Range B as Hexane #2	12.500	7611188	4.489	ppmv	

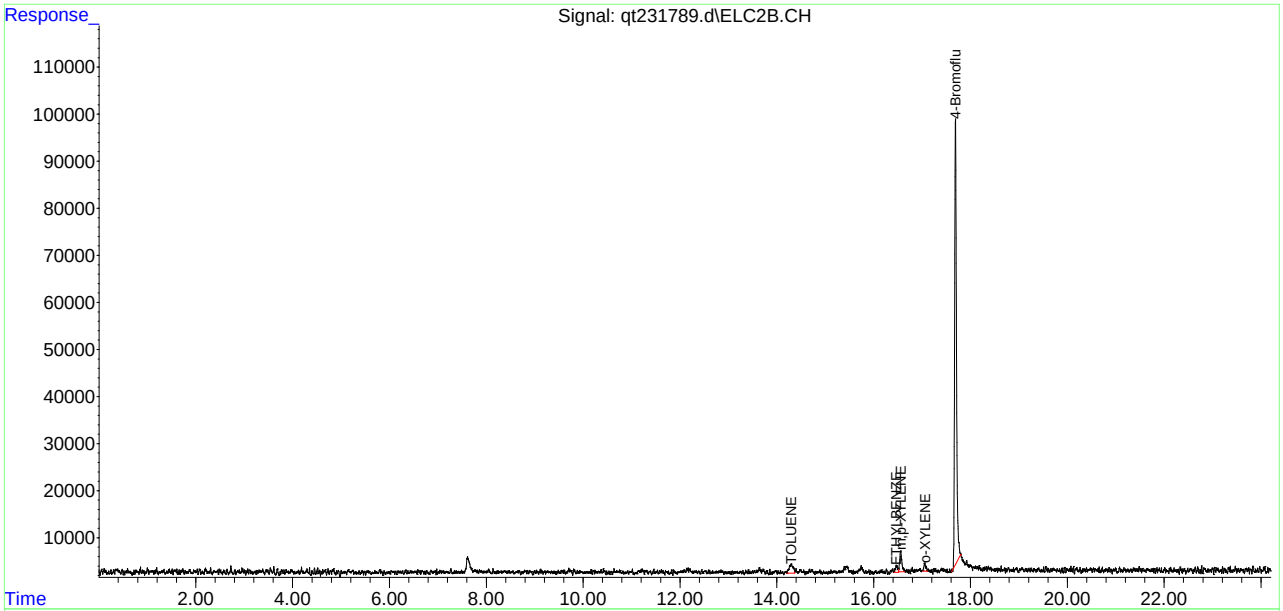
(f)=RT Delta > 1/2 Window (m)=manual int.

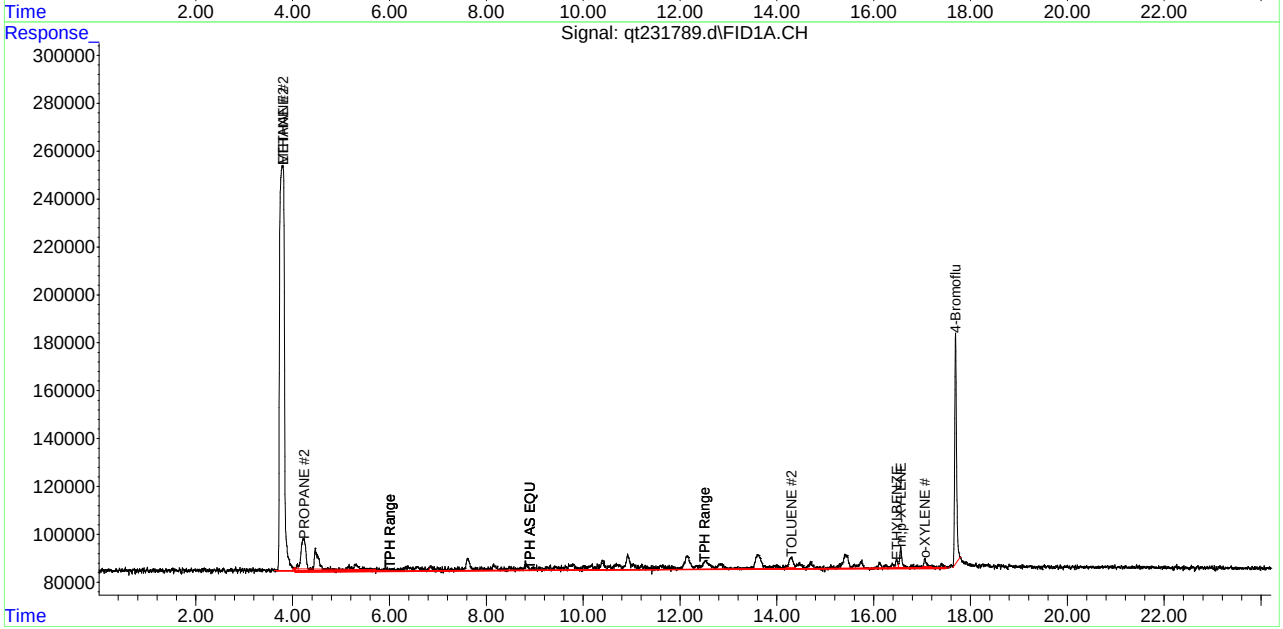
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:59:16 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number: JE3522-6
Lab FileID: QT231789.D
Injection Time: 01/09/25 21:22
Method: EPA TO-3
Analyst approved: 01/10/25 14:43 William Cruser
Supervisor approved: 01/10/25 15:19 Kanya Veerawat

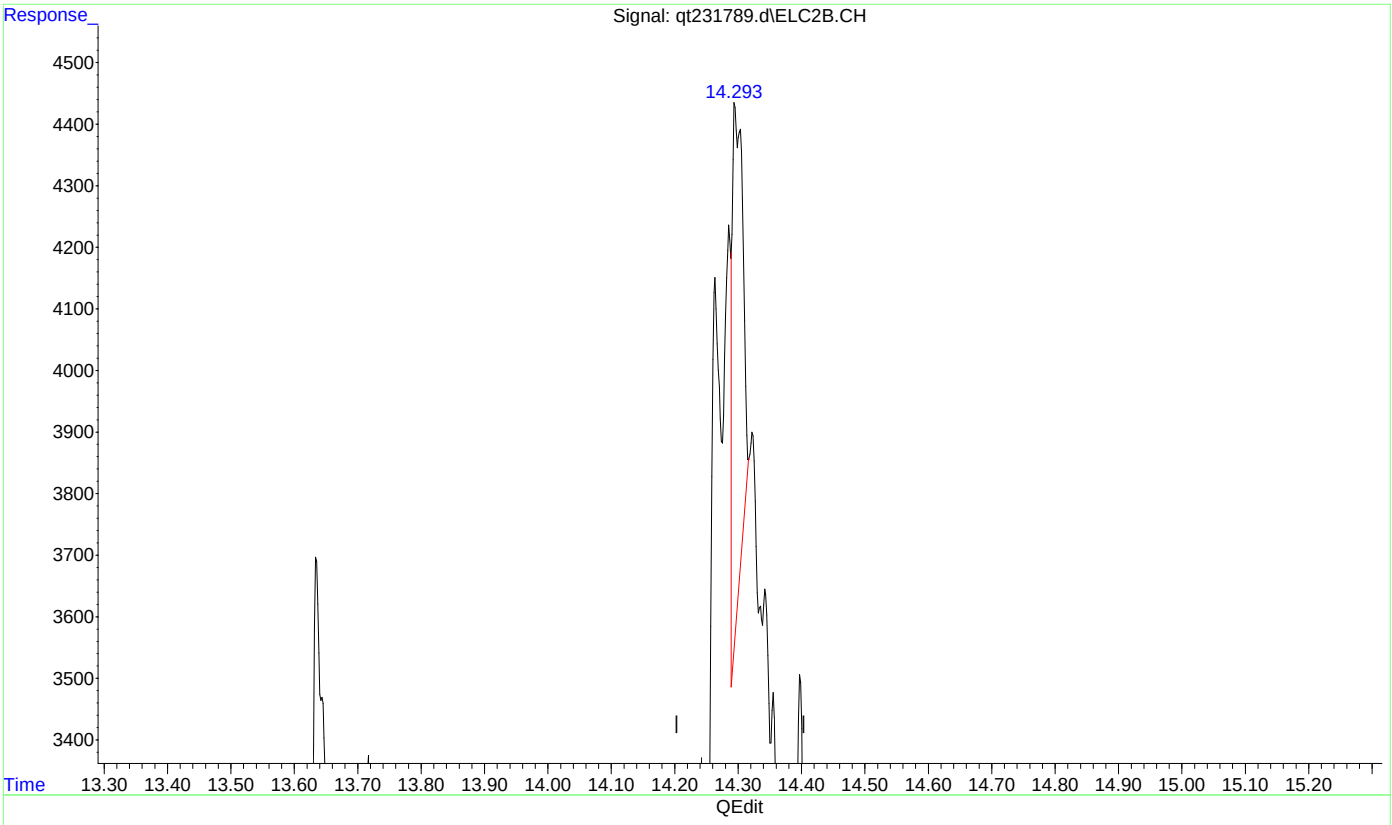
Parameter	CAS	Sig#	R.T. (min.)	Reason
Toluene	108-88-3	1	14.29	Poorly defined baseline
Toluene	108-88-3	2	14.30	Missed peak
Ethylbenzene	100-41-4	1	16.46	Missed peak
Ethylbenzene	100-41-4	2	16.47	Missed peak
m,p-Xylene		1	16.56	Missed peak
m,p-Xylene		2	16.56	Missed peak
o-Xylene	95-47-6	2	17.05	Missed peak
o-Xylene	95-47-6	1	17.06	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(3) TOLUENE

14.295min 0.012 PPMV

response 9498

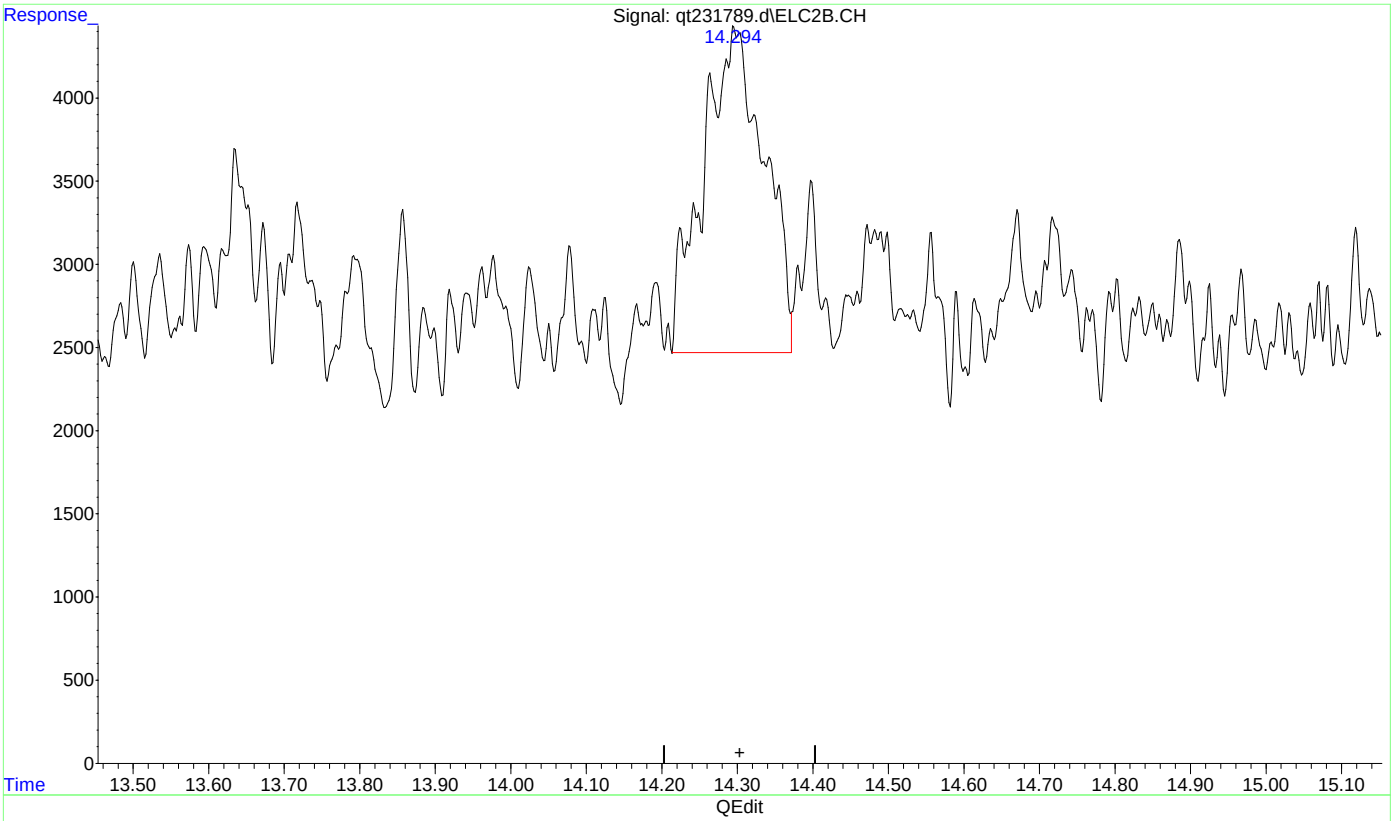
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:54:13 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 09-Jan-25, 21:22:10
Operator : williamc
Sample   : je3522-6
Misc   : GC64264,GQT3108,,,,,1.23
ALS Vial : 11   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(3) TOLUENE

14.294min 0.141 PPMV m

response 110230

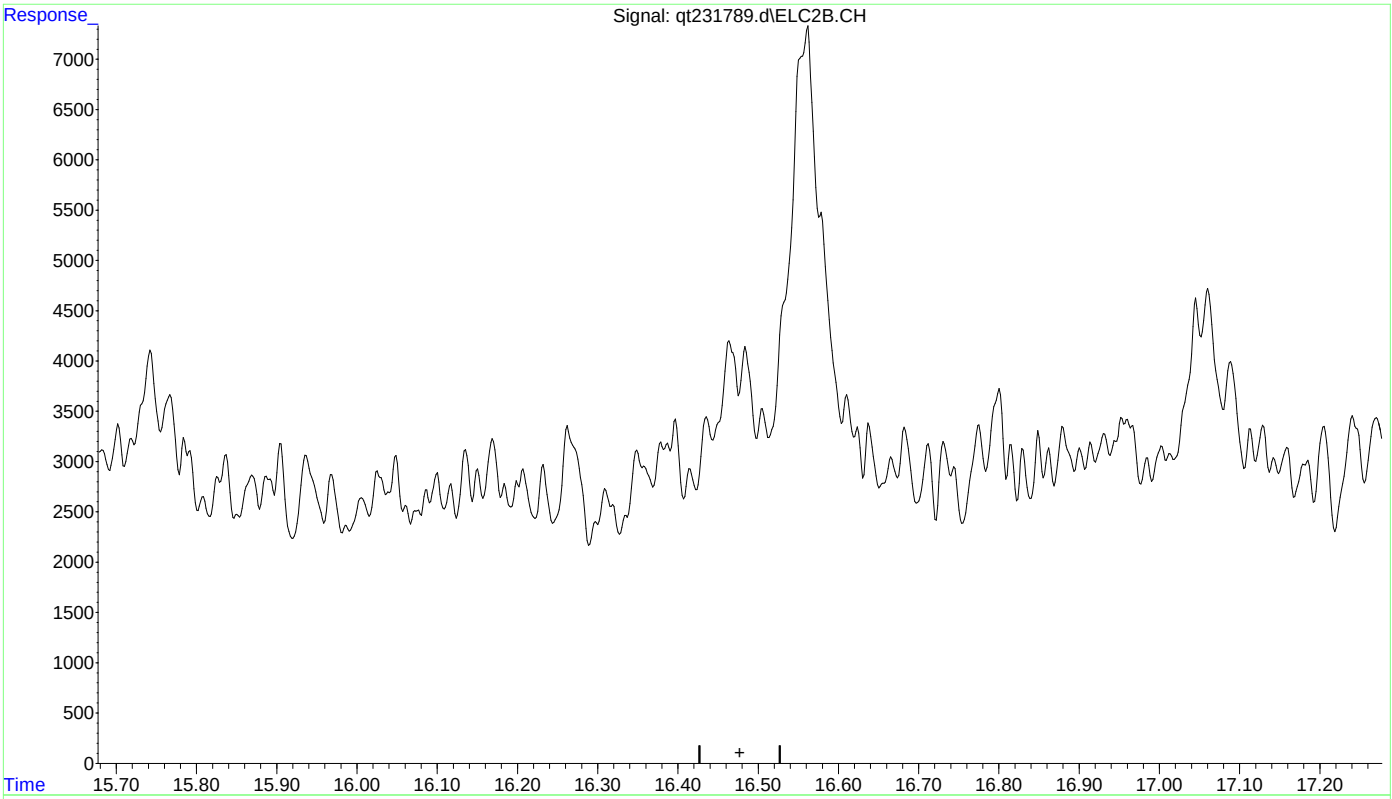
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:54:22 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(4) ETHYLBENZENE

16.477min 0.000 PPMV

response 0

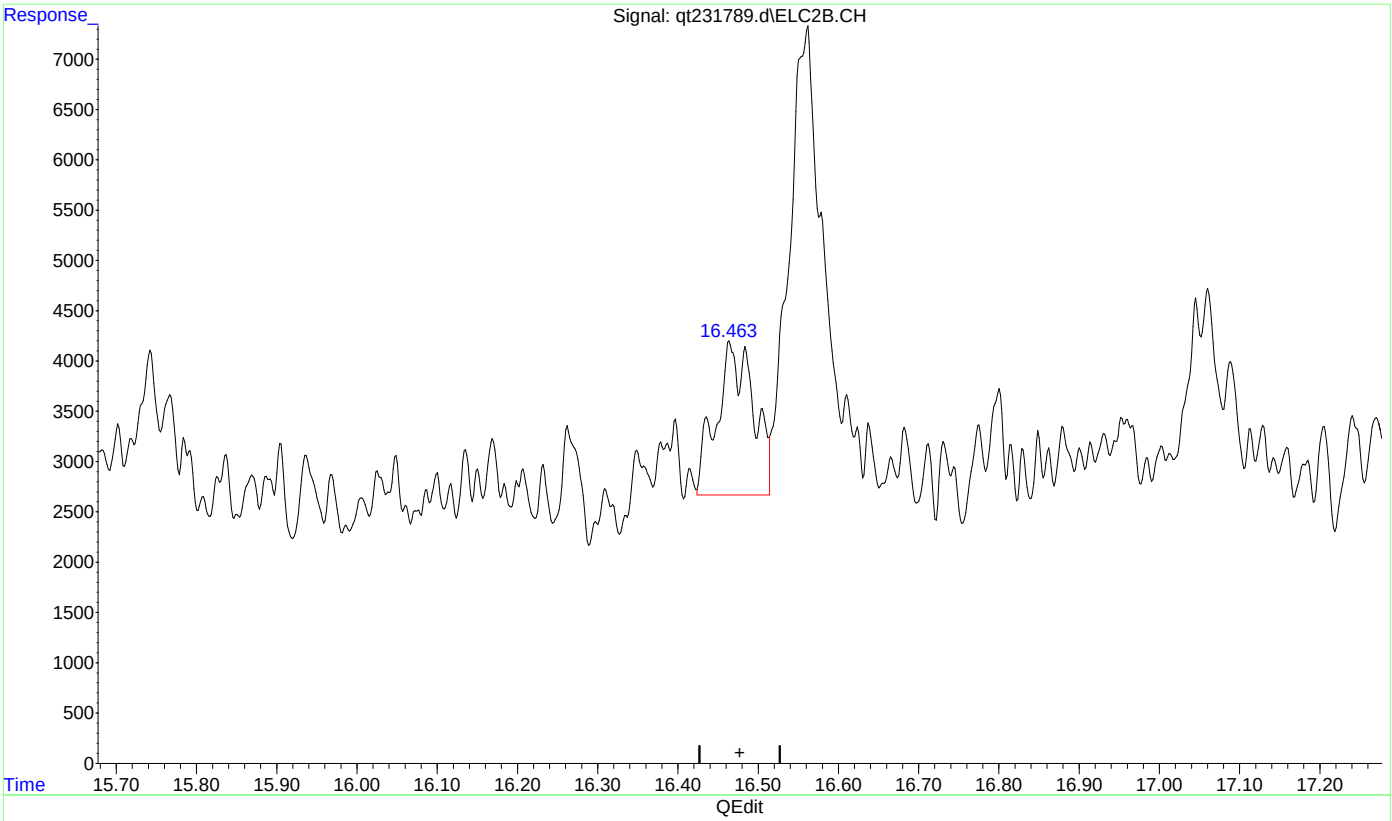
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(4) ETHYLBENZENE

16.463min 0.071 PPMV m

response 48798

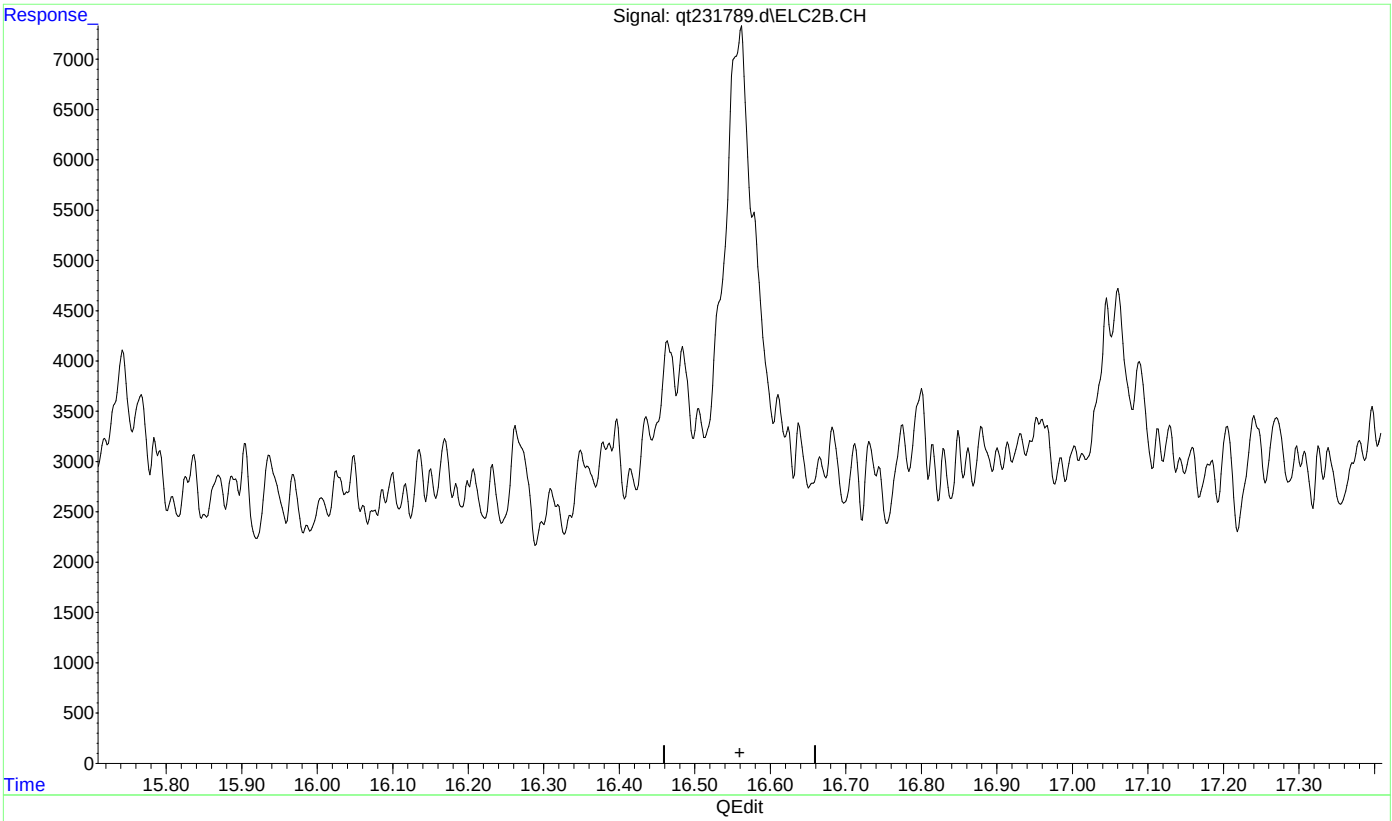
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:54:44 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(5) m,p-XYLENE

16.560min 0.000 PPMV

response 0

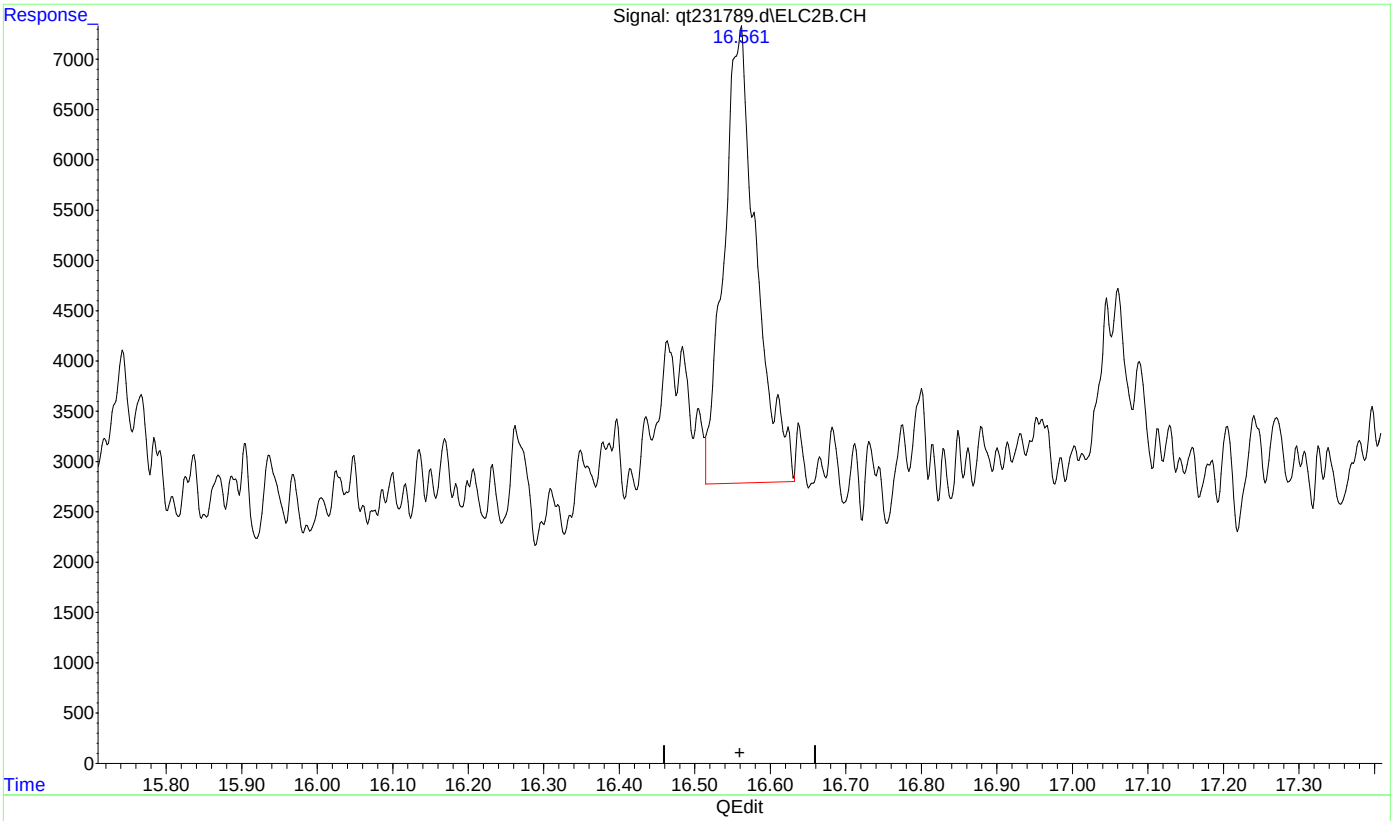
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:54:50 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(5) m,p-XYLENE

16.561min 0.146 PPMV m

response 135759

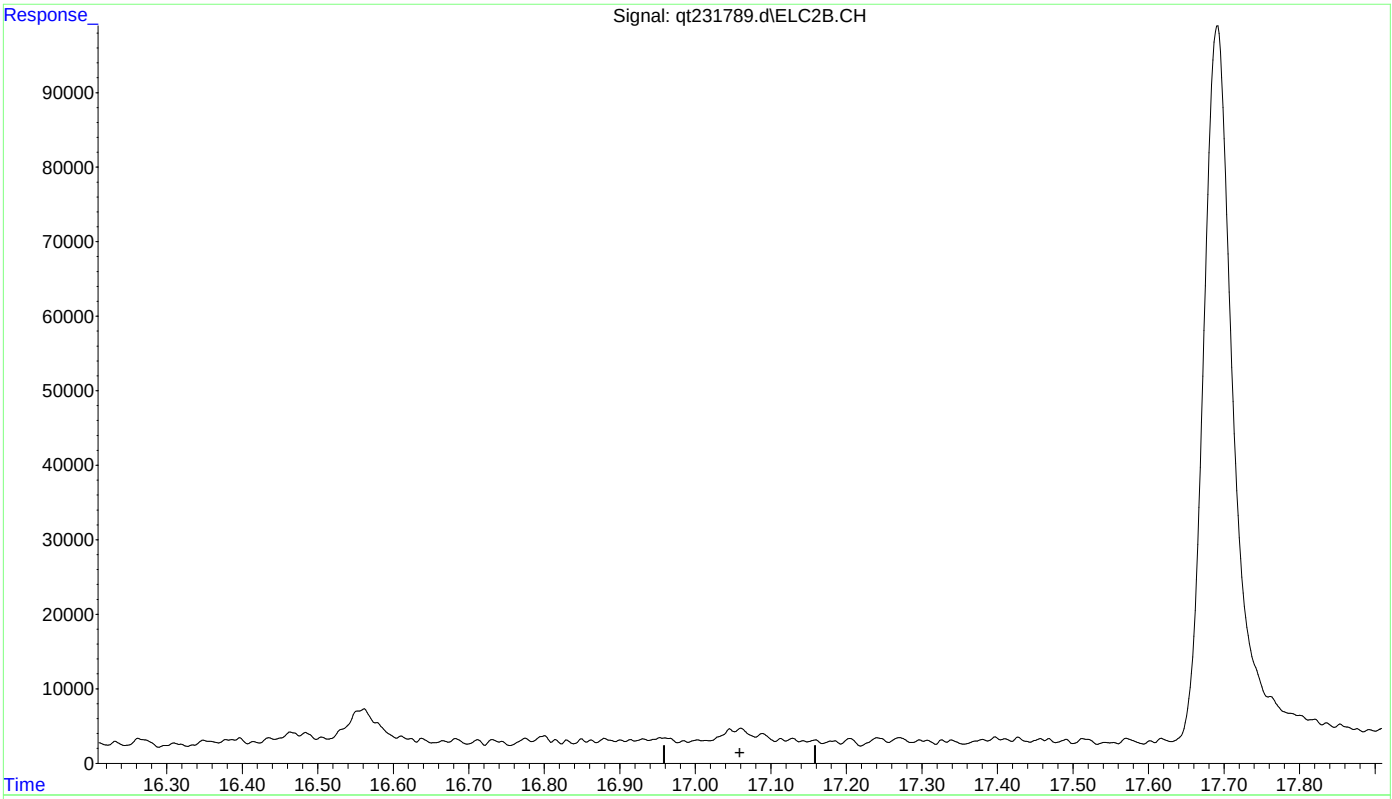
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:55:02 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(6) o-XYLENE

17.059min 0.000 PPMV

response 0

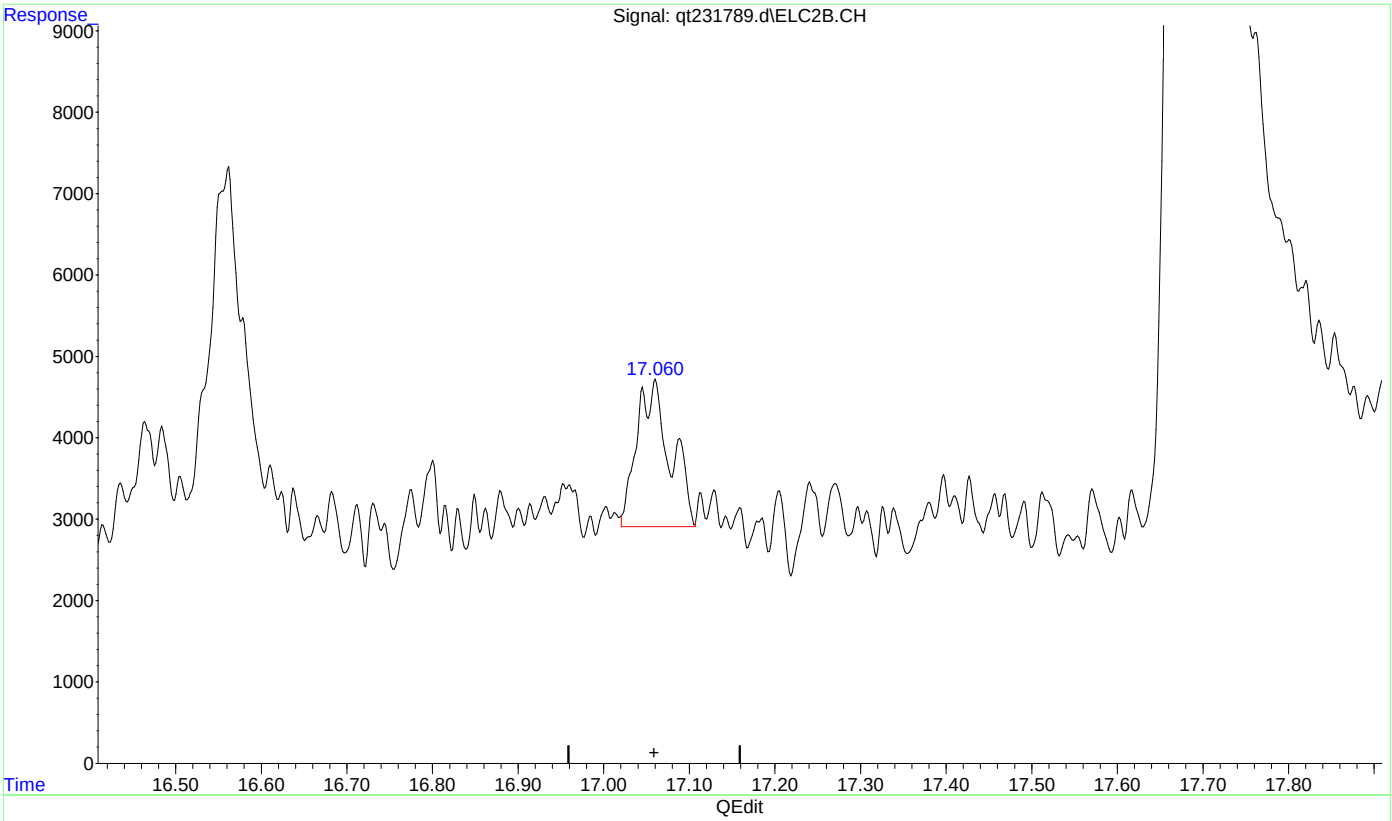
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:55:08 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(6) o-XYLENE

17.060min 0.066 PPMV m

response 48834

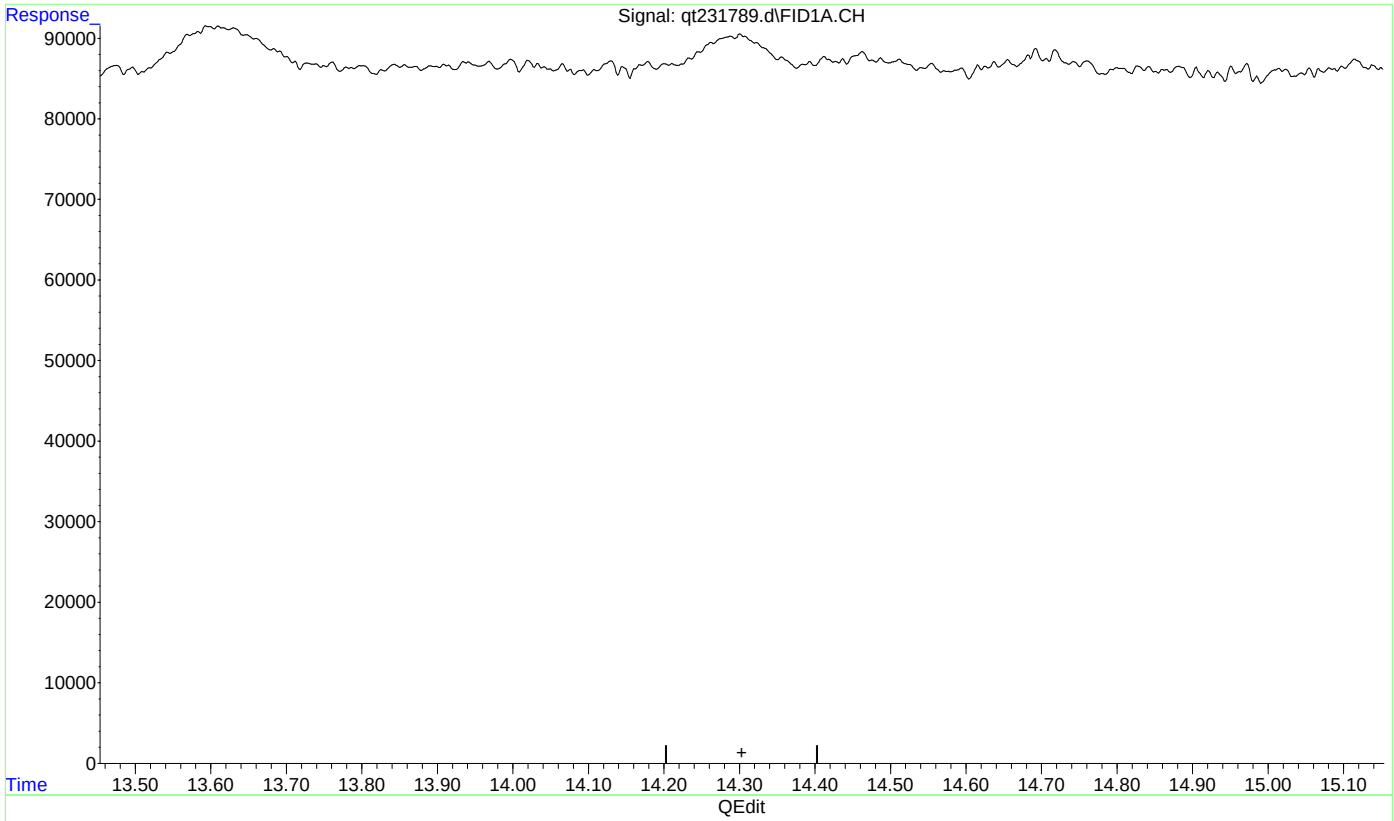
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:55:20 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 09-Jan-25, 21:22:10
Operator : williamc
Sample   : je3522-6
Misc   : GC64264,GQT3108,,,,,1.23
ALS Vial : 11   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(20) TOLUENE #2

14.303min 0.000 PPMV

response 0

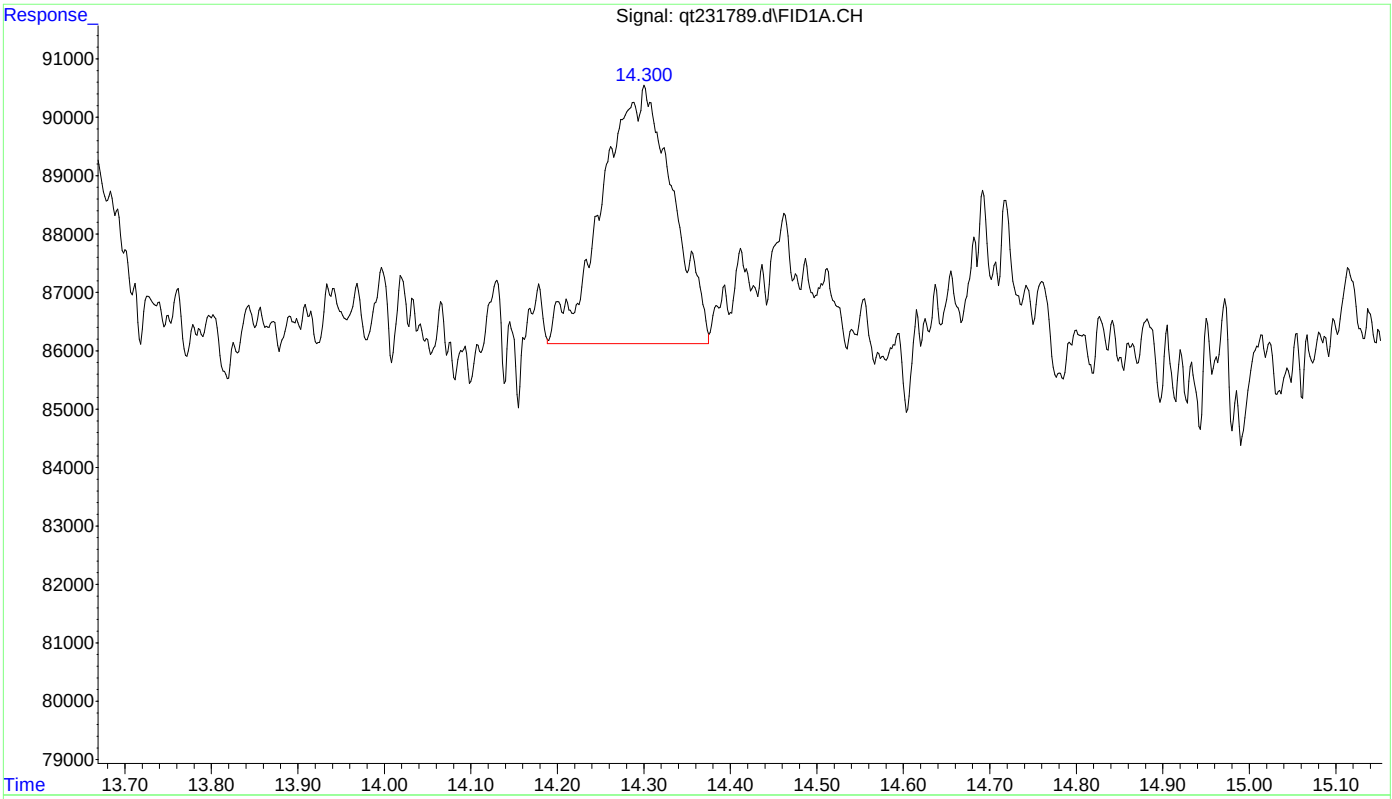
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:55:59 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(20) TOLUENE #2

14.300min 0.147 PPMV m

response 249121

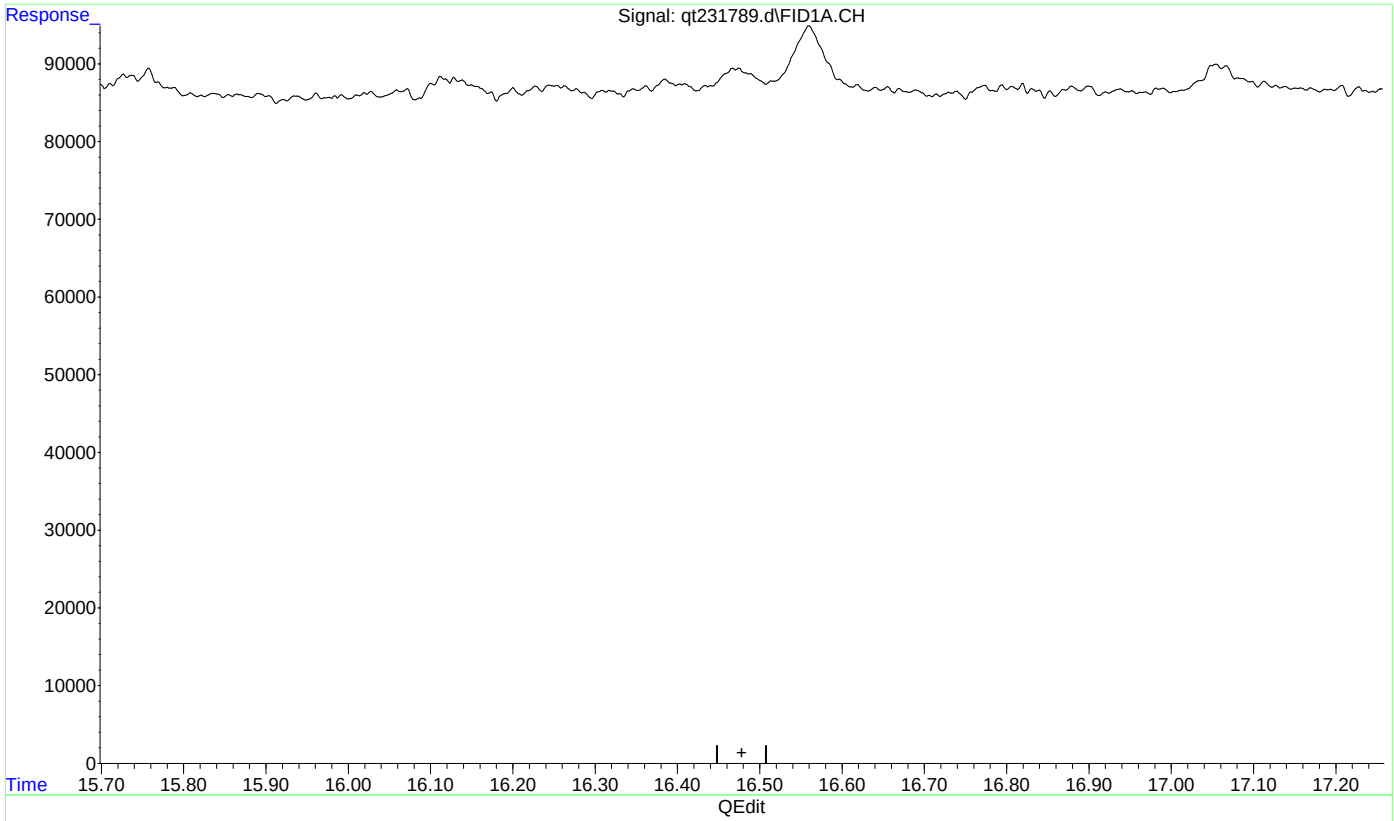
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:56:11 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 09-Jan-25, 21:22:10
Operator : williamc
Sample   : je3522-6
Misc   : GC64264,GQT3108,,,,,1.23
ALS Vial : 11   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(21) ETHYLBENZENE #2

16.478min 0.000 PPMV

response 0

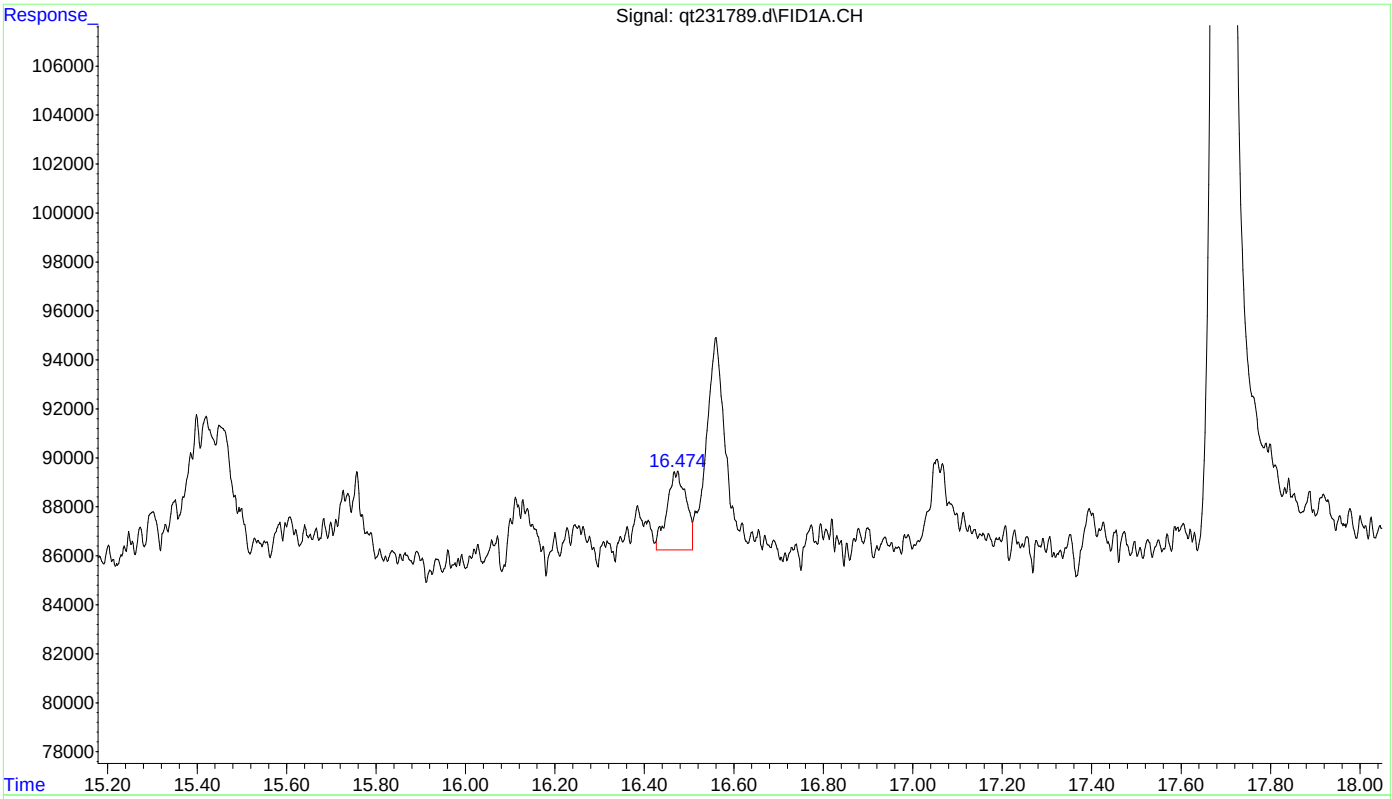
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:56:18 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(21) ETHYLBENZENE #2

16.474min 0.052 PPMV m

response 95535

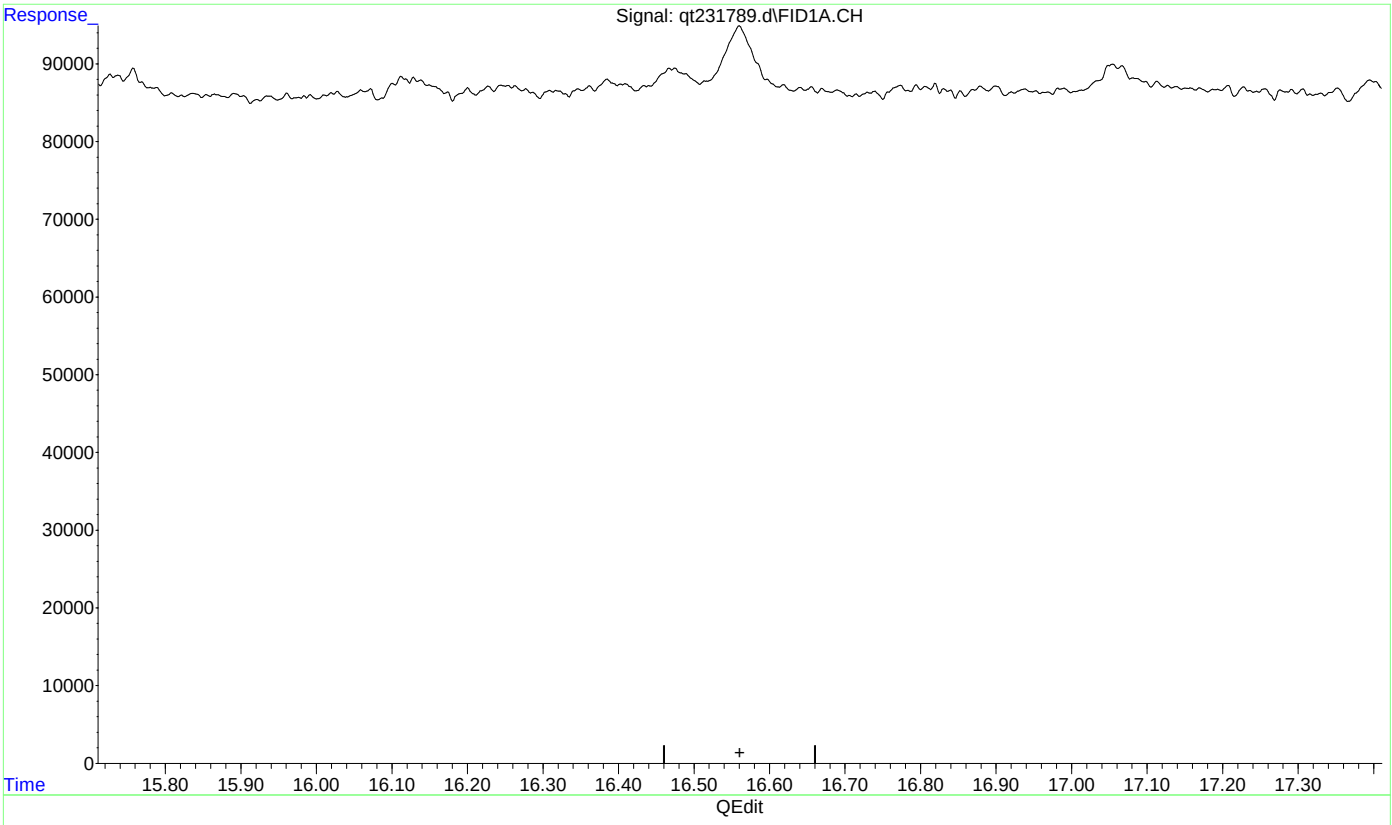
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:56:34 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(22) m,p-XYLENE #2

16.561min 0.000 PPMV

response 0

(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:56:42 2025

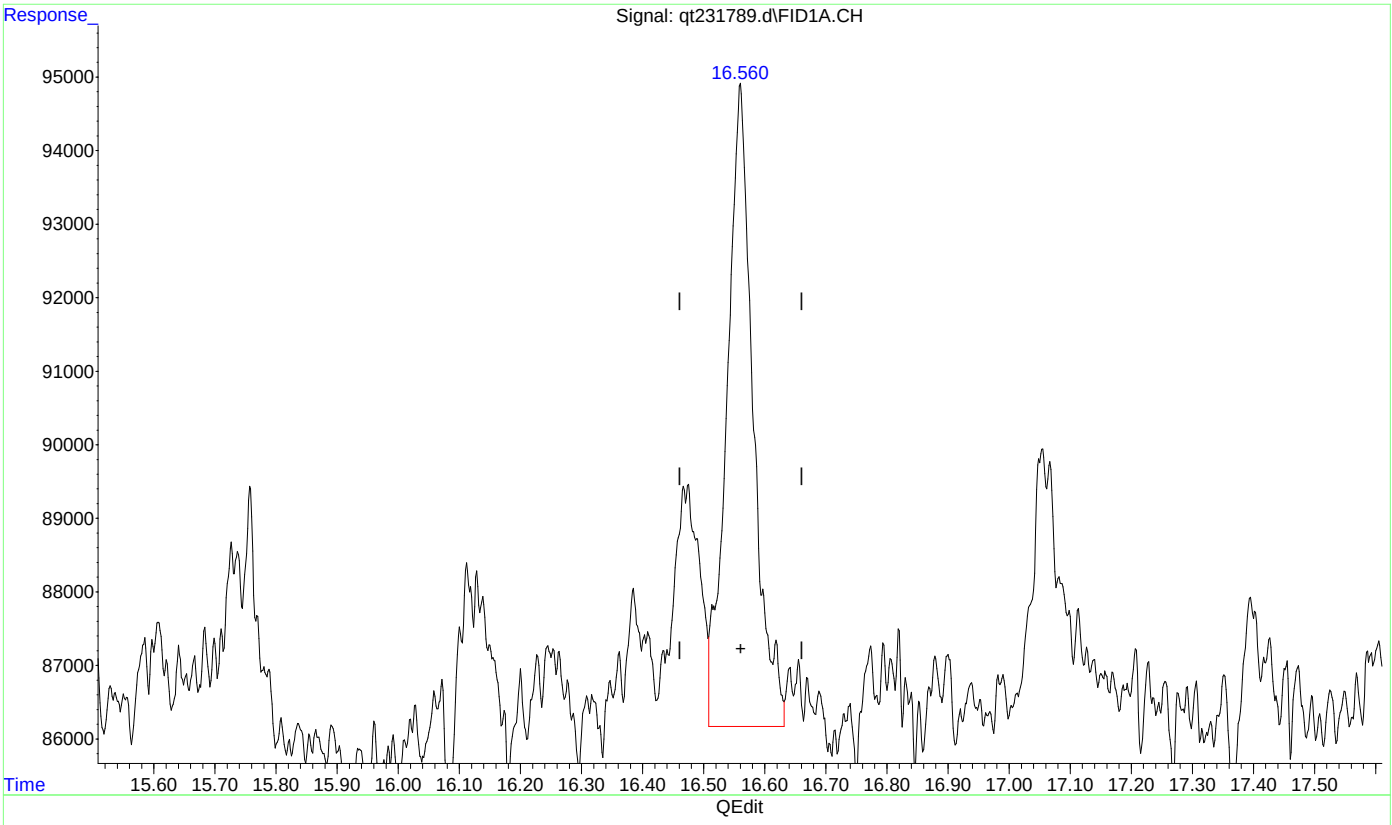
QT231789.D edits: m,p-XYLENE #2

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(22) m,p-XYLENE #2

16.560min 0.126 PPMV m

response 262300

(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:56:59 2025

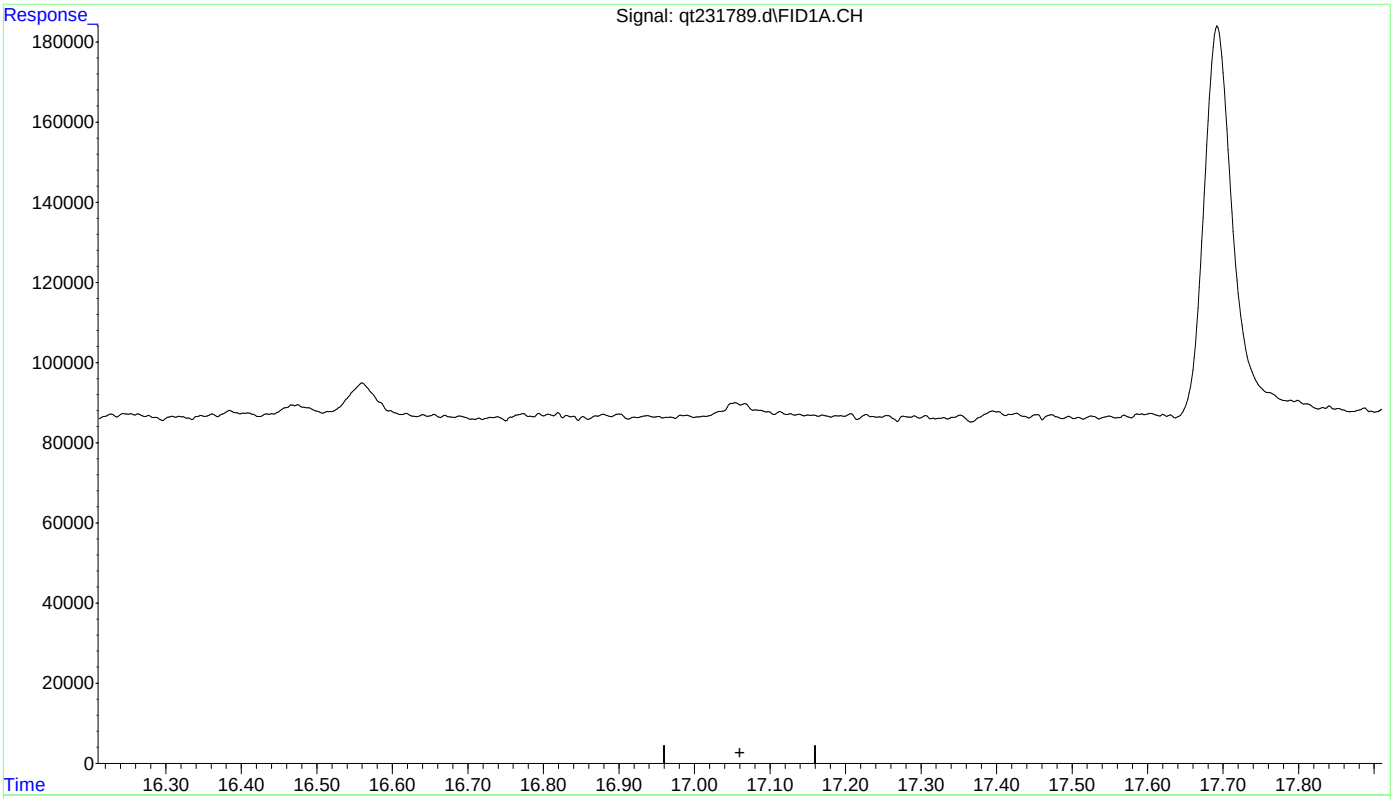
QT231789.D edits: m,p-XYLENE #2

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(23) o-XYLENE #2

17.060min 0.000 PPMV

response 0

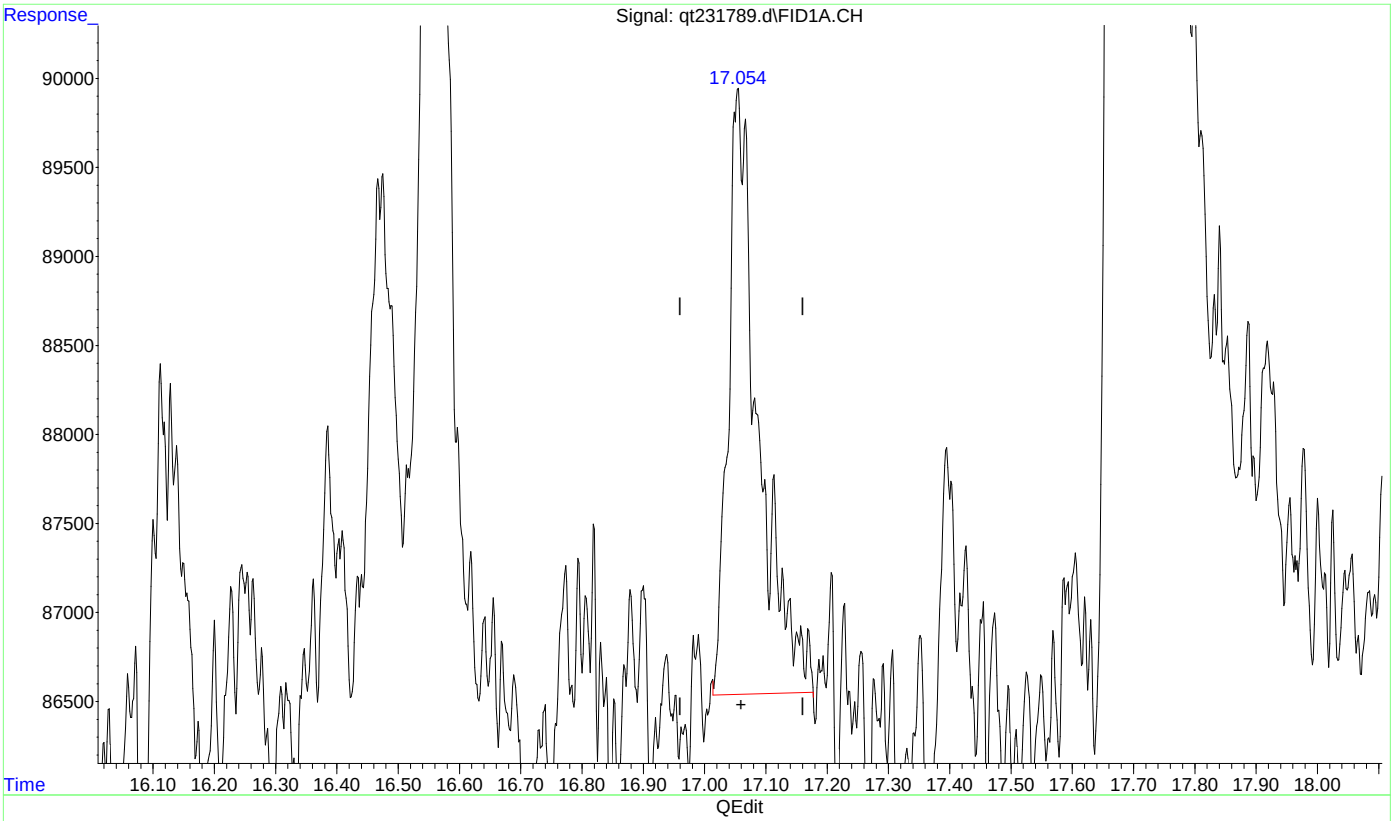
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231789.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 21:22:10
Operator : williamc
Sample : je3522-6
Misc : GC64264,GQT3108,,,,,1.23
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:21:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(23) o-XYLENE #2

17.054min 0.073 PPMV m

response 115747

(+) = Expected Retention Time
MQT3105.M Fri Jan 10 13:57:27 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231790.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 22:05:33
Operator : williamc
Sample : je3522-7
Misc : GC64264,GQT3108,,,,,1.08
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:00:41 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.689	2466721	9.188 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	91.88%
26) s 4-Bromofluorobenzene #2	17.691	2529594	7.715 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	77.15%
Target Compounds			

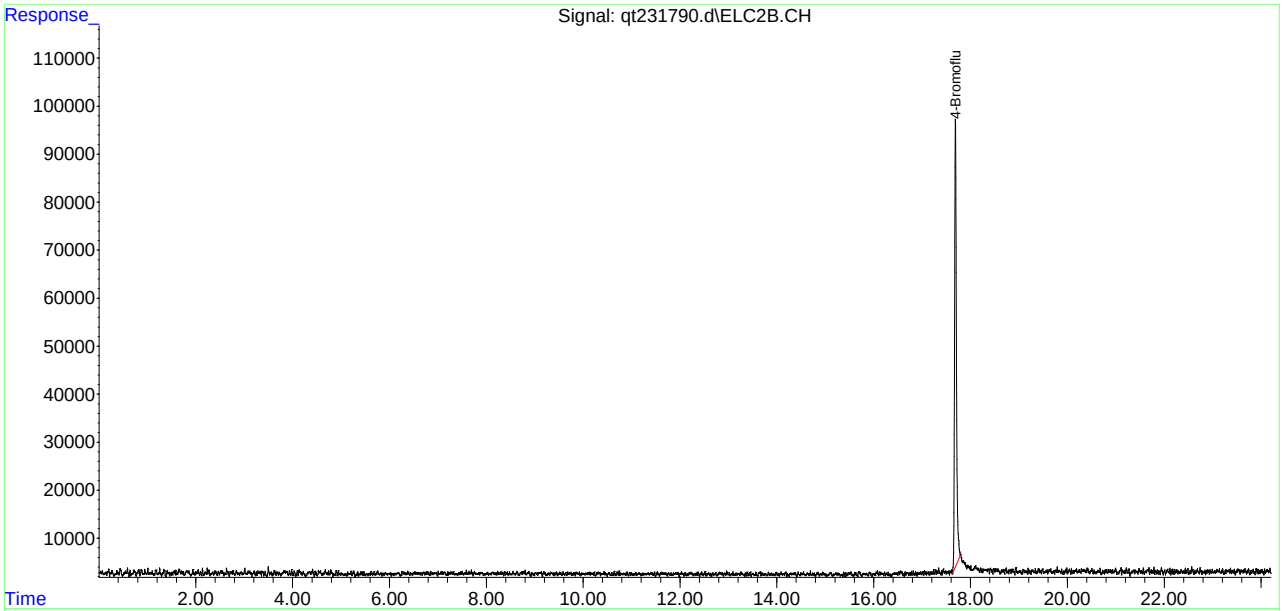
(f)=RT Delta > 1/2 Window (m)=manual int.

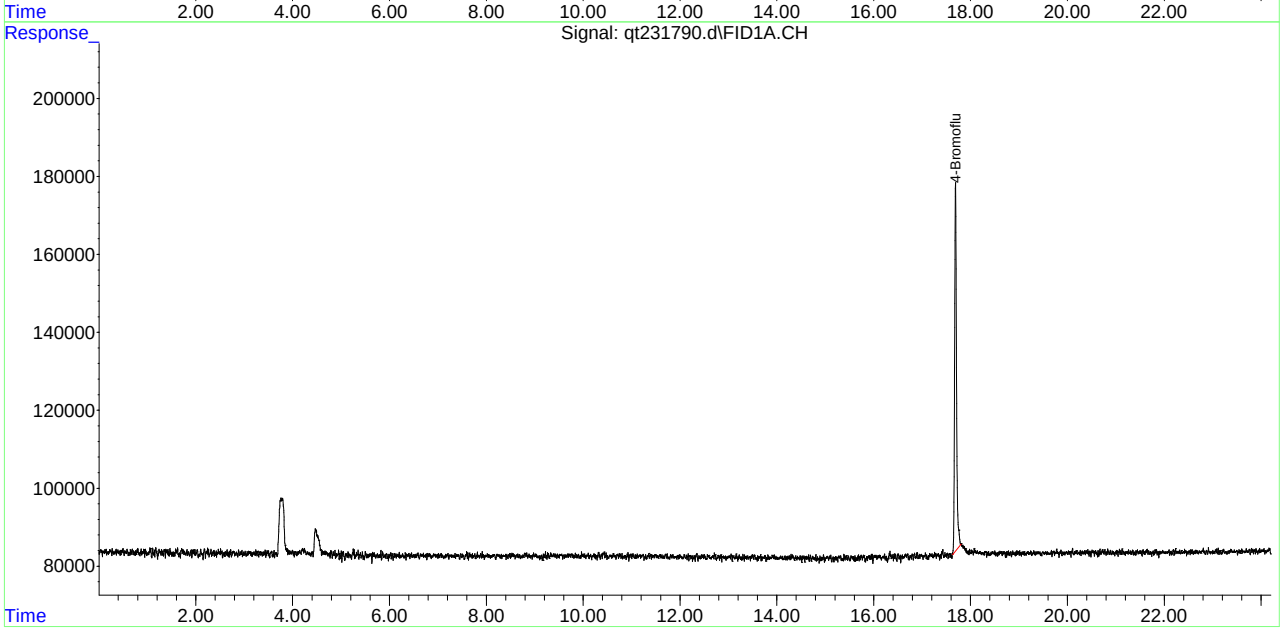
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231790.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 22:05:33
Operator : williamc
Sample : je3522-7
Misc : GC64264,GQT3108,,,,,1.08
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:00:41 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231792.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 23:24:35 (#1); 09-Jan-25, 23:24:34 (#2)
Operator : williamc
Sample : je3522-8
Misc : GC64264,GQT3108,,,,,1.38
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:09:04 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.689	2510347	9.351 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	93.51%
26) s	4-Bromofluorobenzene #2	17.690	2546430	7.766 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	77.66%
	Target Compounds			
13)	PROPANE #2	4.240	1385793	1.531 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	4607493	15.502 PPMV
30) H	TPH Range A as Methan...	6.000	3624801	12.171 ppmv
31) H	TPH Range A as Methan...	6.000	2675262	8.997 PPMV
33) H	TPH Range A as Propan...	6.000	3613456	4.023 ppmv

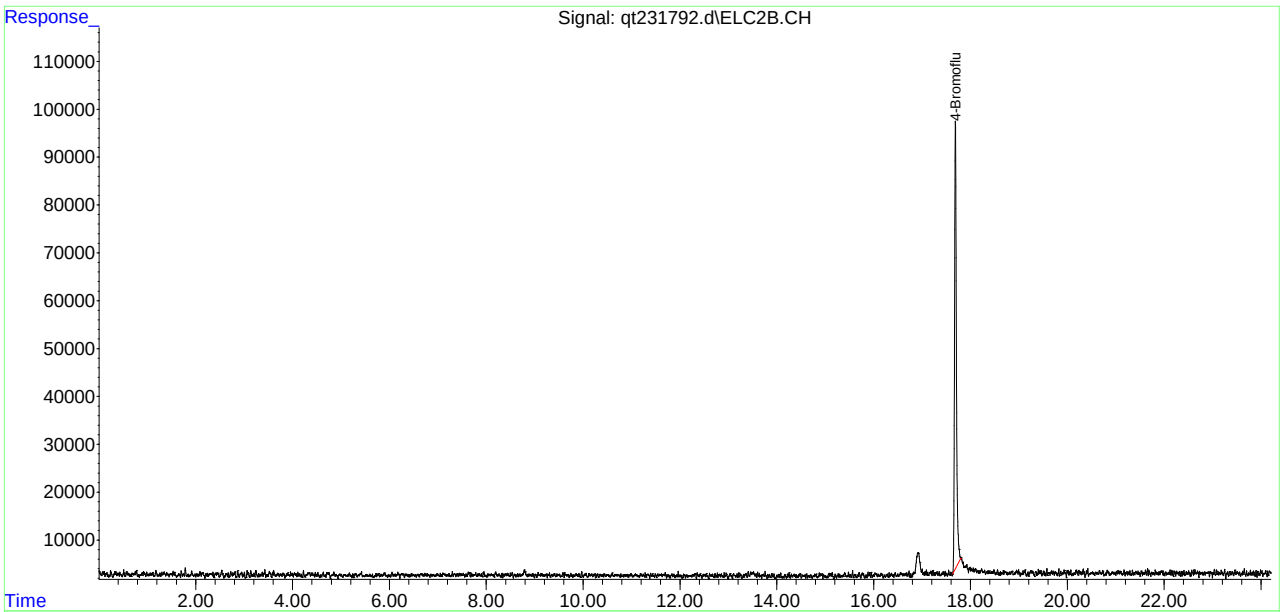
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231792.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 23:24:35 (#1); 09-Jan-25, 23:24:34 (#2)
Operator : williamc
Sample : je3522-8
Misc : GC64264,GQT3108,,,,,1.38
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:09:04 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



MQT3105.M Fri Jan 10 14:20:05 2025 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231793.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 10-Jan-25, 00:03:53
Operator : williamc
Sample : je3522-9
Misc : GC64264,GQT3108,,,,,1.08
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:10:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.688	2495481	9.296 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	92.96%
26) s 4-Bromofluorobenzene #2	17.689	2415066	7.366 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	73.66%
Target Compounds			
30) H TPH Range A as Methan...	6.000	1516606	5.092 ppmv

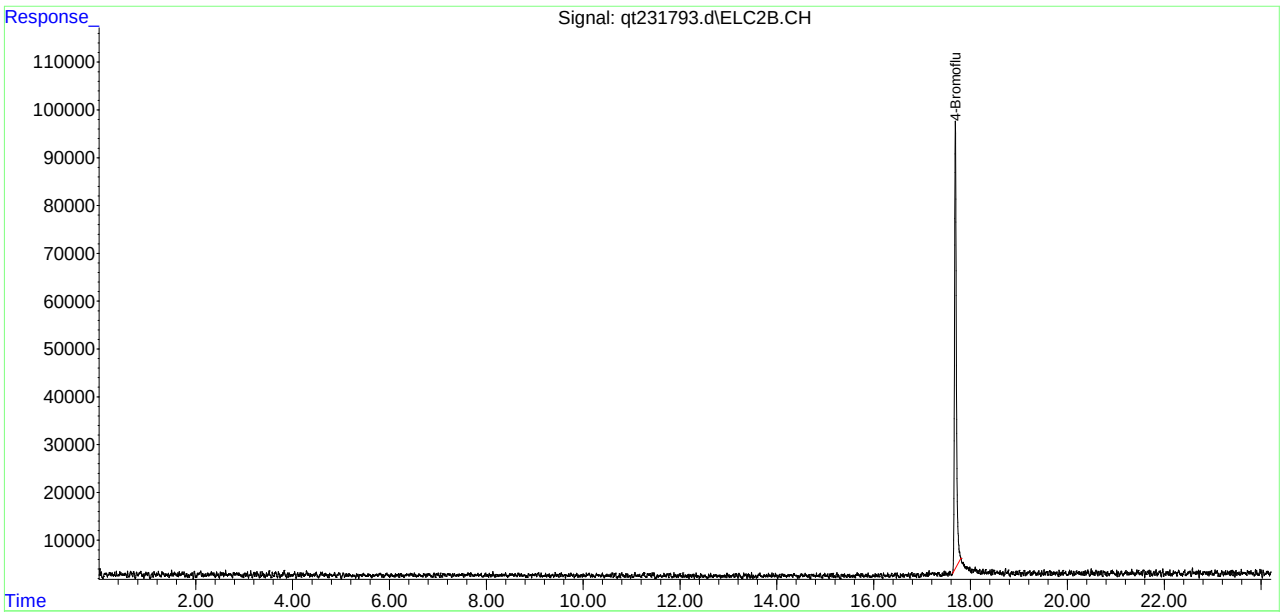
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231793.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 10-Jan-25, 00:03:53
Operator : williamc
Sample : je3522-9
Misc : GC64264,GQT3108,,,,,1.08
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:10:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231794.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 10-Jan-25, 00:44:31
Operator : williamc
Sample : je3522-10
Misc : GC64264,GQT3108,,,,,1.28
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:13:02 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
9) s	4-Bromofluorobenzene	17.690	2479600	9.236 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	92.36%
26) s	4-Bromofluorobenzene #2	17.692	2433554	7.422 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	74.22%
Target Compounds				
13)	PROPANE #2	4.239	1009310	1.115 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	5390237	18.136 PPMV
30) H	TPH Range A as Methan...	6.000	4109445	13.798 ppmv
31) H	TPH Range A as Methan...	6.000	2948283	9.915 PPMV

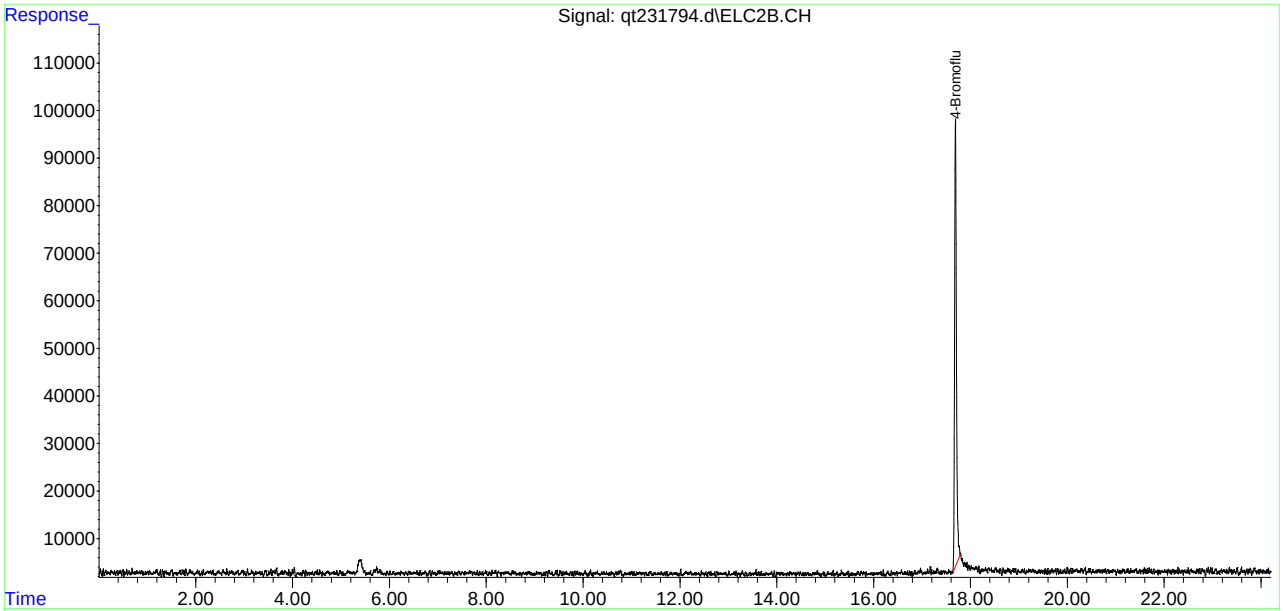
(f)=RT Delta > 1/2 Window (m)=manual int.

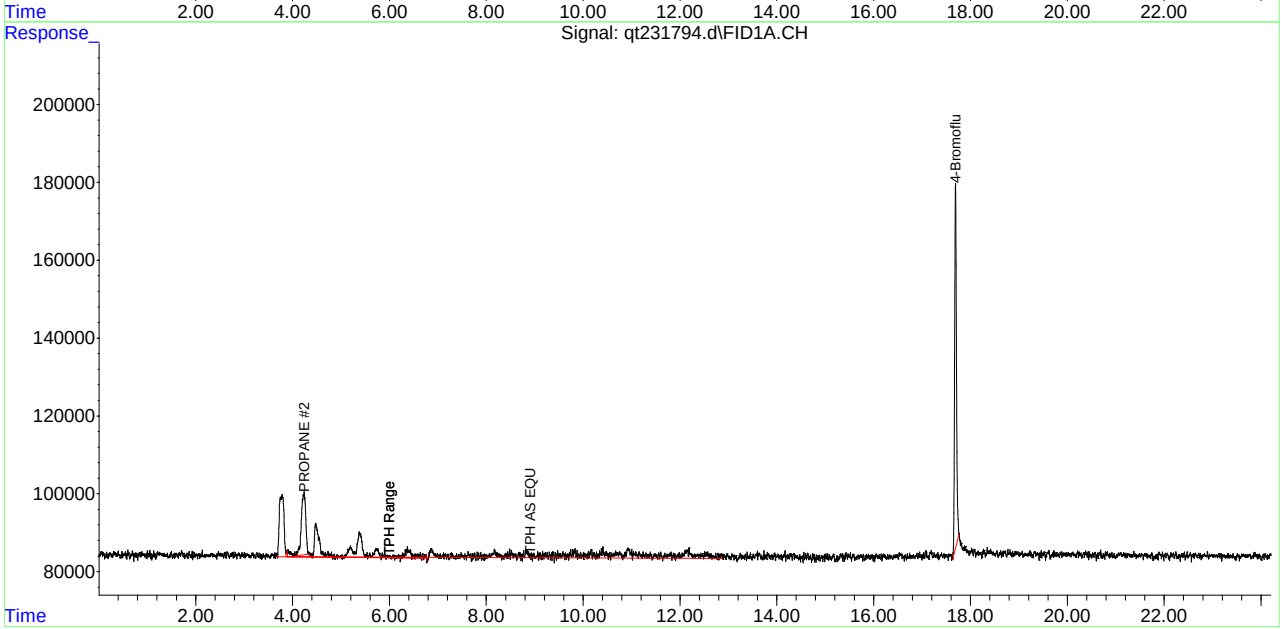
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231794.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 10-Jan-25, 00:44:31
Operator : williamc
Sample : je3522-10
Misc : GC64264,GQT3108,,,,,1.28
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:13:02 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





MQT3105.M Fri Jan 10 14:20:11 2025 Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/07/25 17:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231759.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 15:00:55
Operator : williamc
Sample : je3522-11
Misc : GC64264,GQT3106,,,,,1.38
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:28:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.694	2585098	9.629 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	96.29%	
26) s	4-Bromofluorobenzene #2	17.696	3001120	9.153 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	91.53%	
	Target Compounds			
5)	m,p-XYLENE	16.560	63473	0.068 PPMV m
22)	m,p-XYLENE #2	16.571	138508	0.067 PPMV m

(f)=RT Delta > 1/2 Window (m)=manual int.

9.1.11

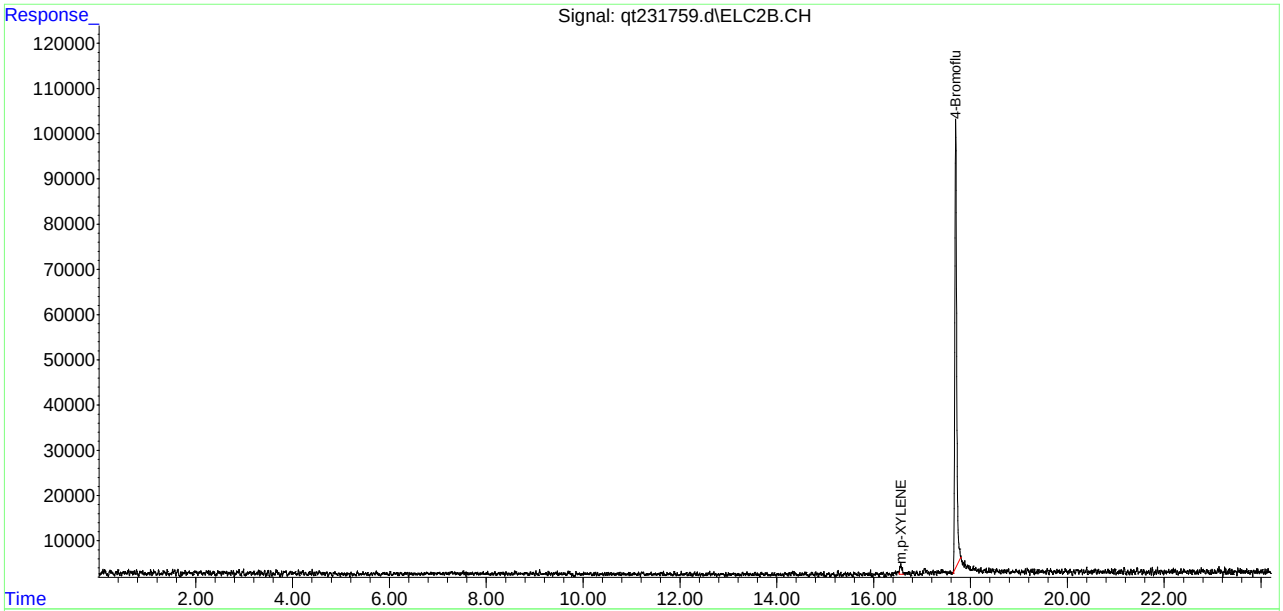
9

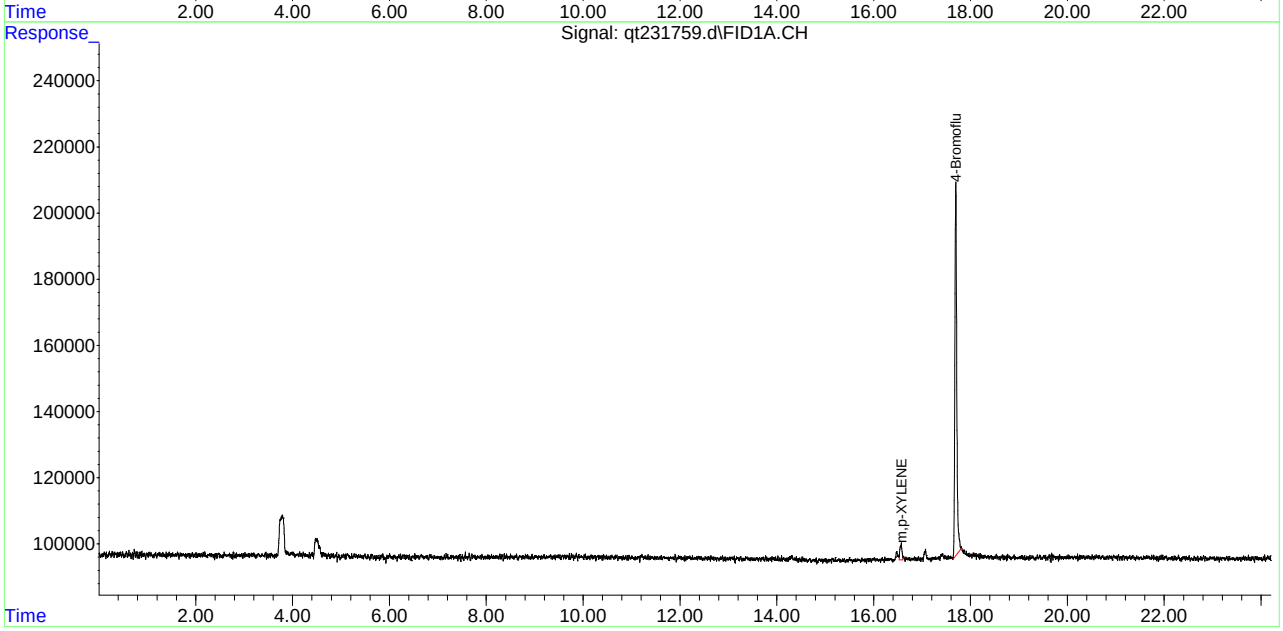
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231759.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 15:00:55
Operator : williamc
Sample : je3522-11
Misc : GC64264,GQT3106,,,,,1.38
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:28:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number: JE3522-11
Lab FileID: QT231759.D
Injection Time: 01/06/25 15:00
Method: EPA TO-3
Analyst approved: 01/07/25 09:05 William Cruser
Supervisor approved: 01/07/25 17:05 Kanya Veerawat

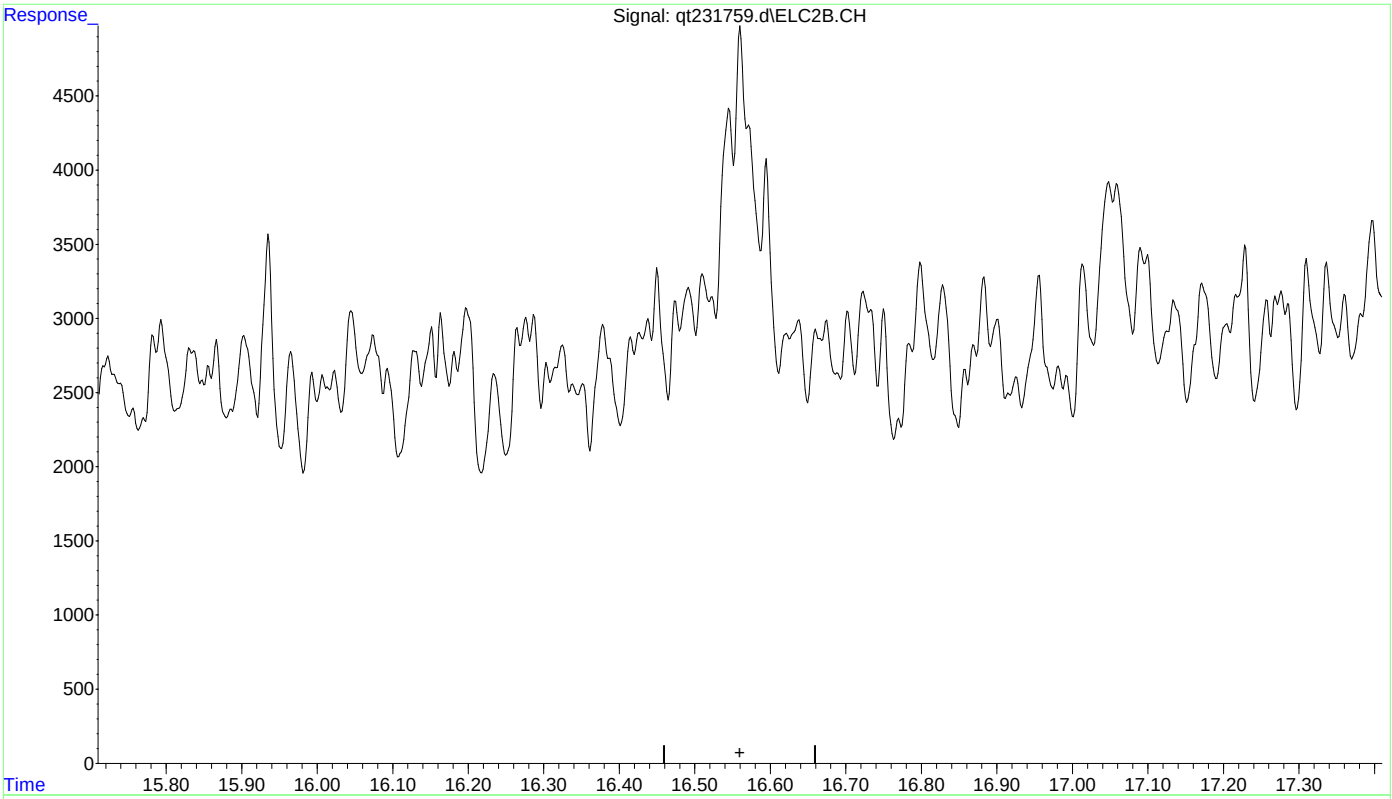
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene		1	16.56	Missed peak
m,p-Xylene		2	16.57	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231759.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 15:00:55
Operator : williamc
Sample : je3522-11
Misc : GC64264,GQT3106,,,,,1.38
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:02:30 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(5) m,p-XYLENE

16.560min 0.000 PPMV

response 0

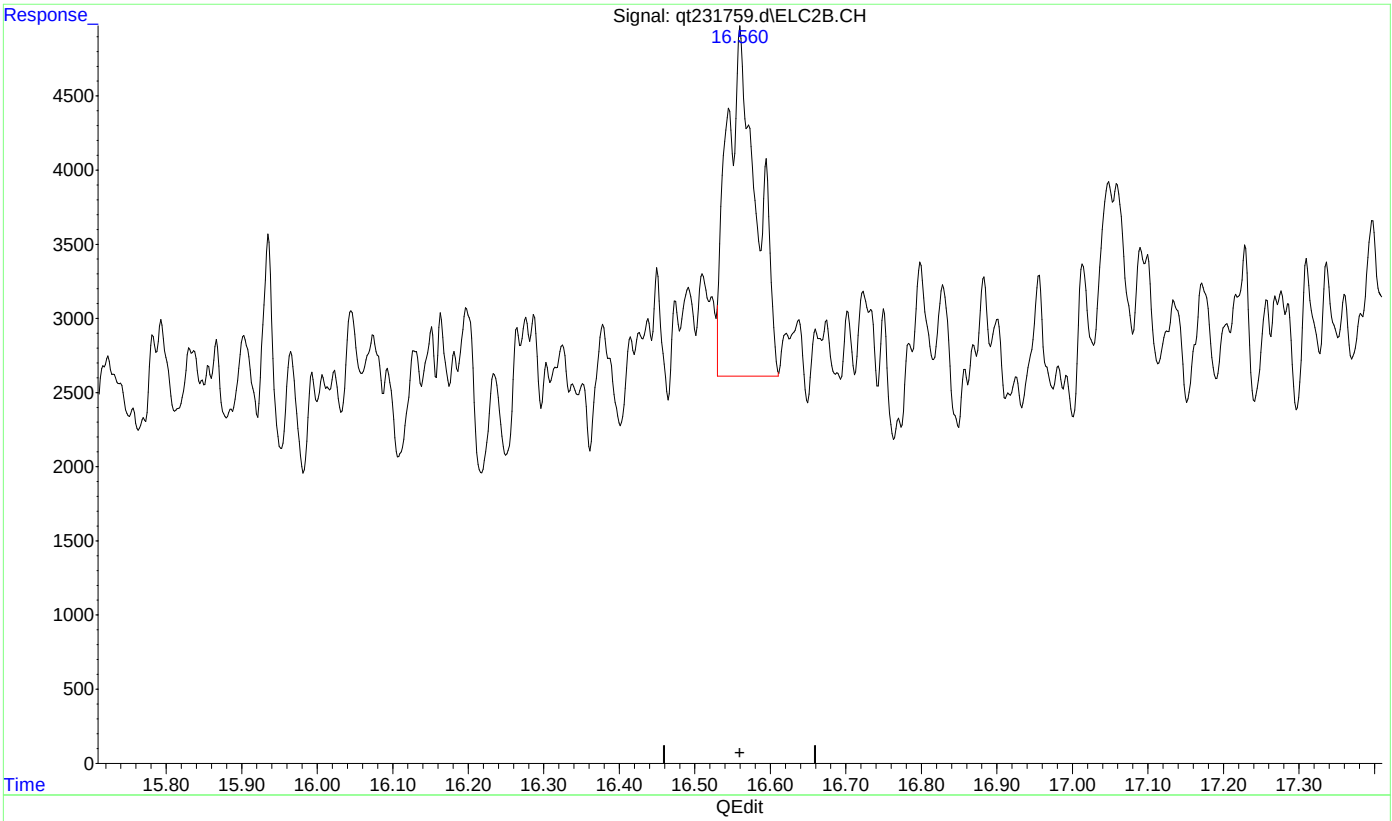
(+) = Expected Retention Time
MQT3105.M Tue Jan 07 08:25:52 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231759.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 06-Jan-25, 15:00:55
Operator : williamc
Sample   : je3522-11
Misc   : GC64264,GQT3106,,,,,1.38
ALS Vial : 11   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:02:30 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(5) m,p-XYLENE

16.560min 0.068 PPMV m

response 63473

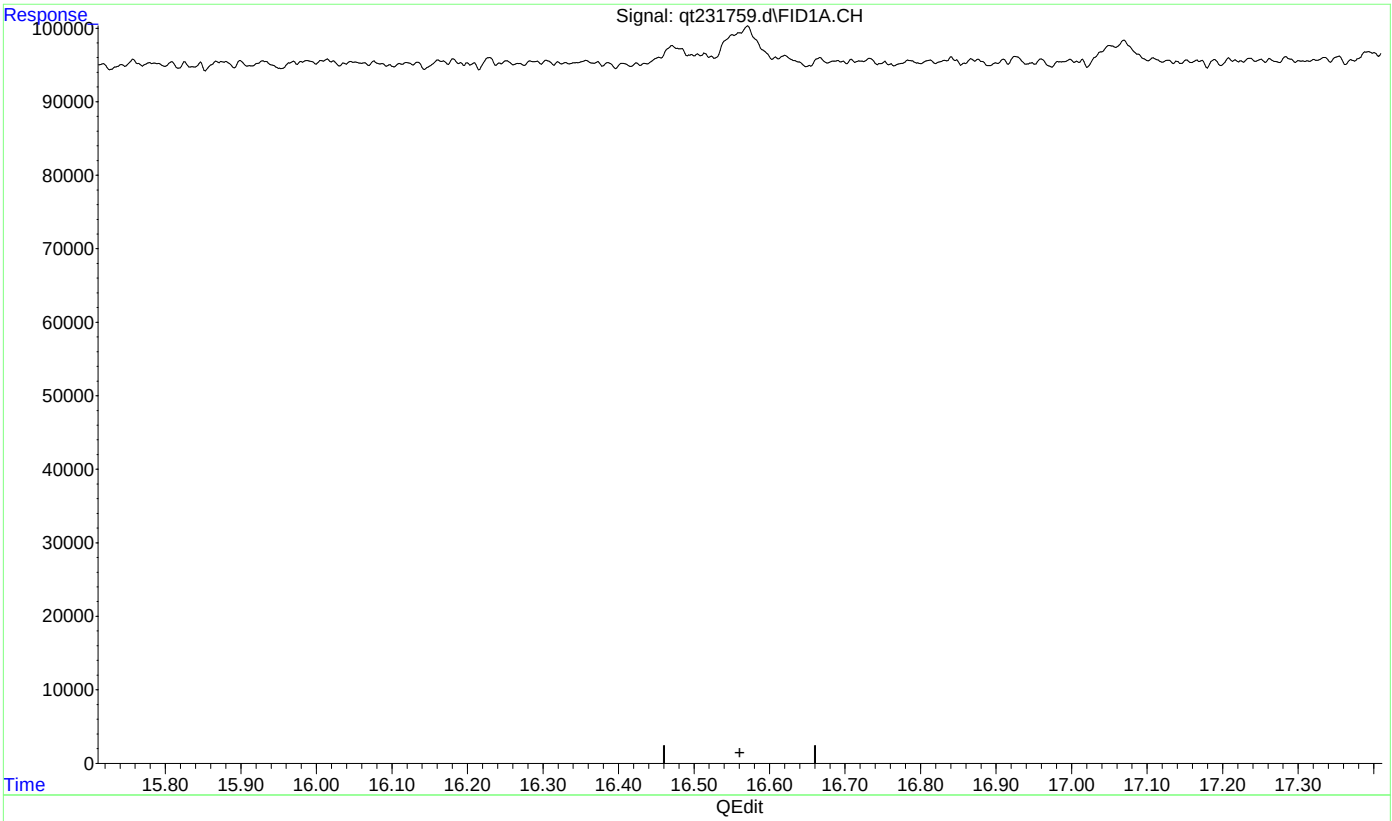
(+) = Expected Retention Time
MQT3105.M Tue Jan 07 08:26:06 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231759.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 06-Jan-25, 15:00:55
Operator : williamc
Sample   : je3522-11
Misc   : GC64264,GQT3106,,,,,1.38
ALS Vial : 11   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:02:30 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(22) m,p-XYLENE #2

16.561min 0.000 PPMV

response 0

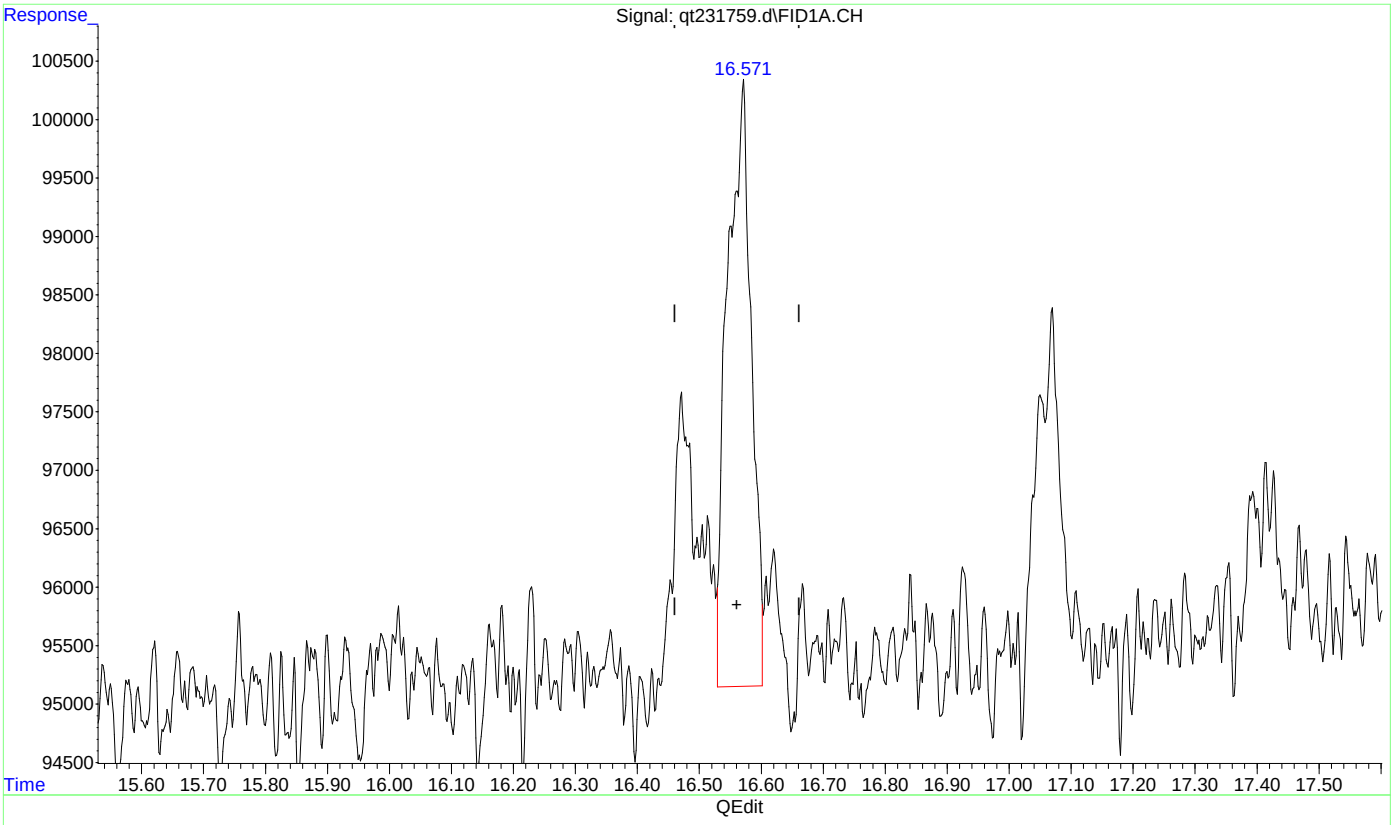
(+) = Expected Retention Time
MQT3105.M Tue Jan 07 08:26:59 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231759.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 15:00:55
Operator : williamc
Sample : je3522-11
Misc : GC64264,GQT3106,,,,,1.38
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:02:30 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(22) m,p-XYLENE #2

16.571min 0.067 PPMV m

response 138508

(+) = Expected Retention Time
MQT3105.M Tue Jan 07 08:27:17 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231760.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 15:40:29
Operator : williamc
Sample : je3522-12
Misc : GC64264,GQT3106,,,,,1.35
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:35:23 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.696	2584735	9.628 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	96.28%
26) s	4-Bromofluorobenzene #2	17.697	2709223	8.263 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	82.63%
	Target Compounds			
11)	METHANE #2	3.779	1616978	5.460 PPMV
13)	PROPANE #2	4.168f	15055152	16.636 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	16067341	10.835 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	16276597	54.763 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	16240125	9.580 PPMV
30) H	TPH Range A as Methan...	6.000	18009949	60.473 ppmv
31) H	TPH Range A as Methan...	6.000	16025946	53.893 PPMV
33) H	TPH Range A as Propan...	6.000	18027247	20.070 ppmv

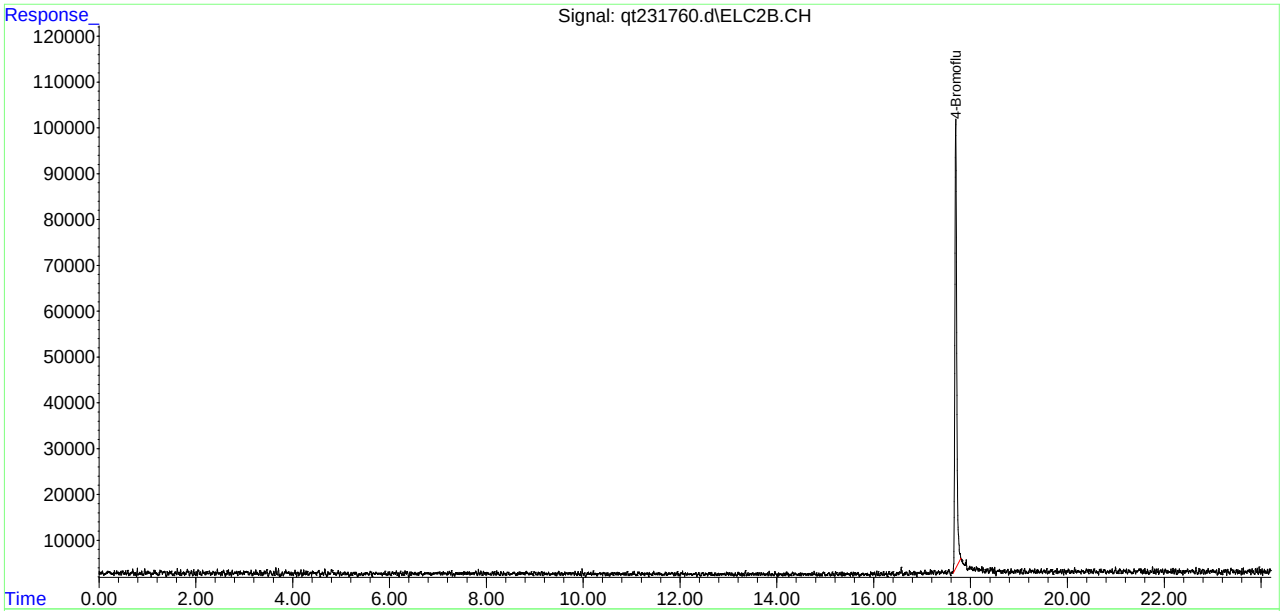
(f)=RT Delta > 1/2 Window (m)=manual int.

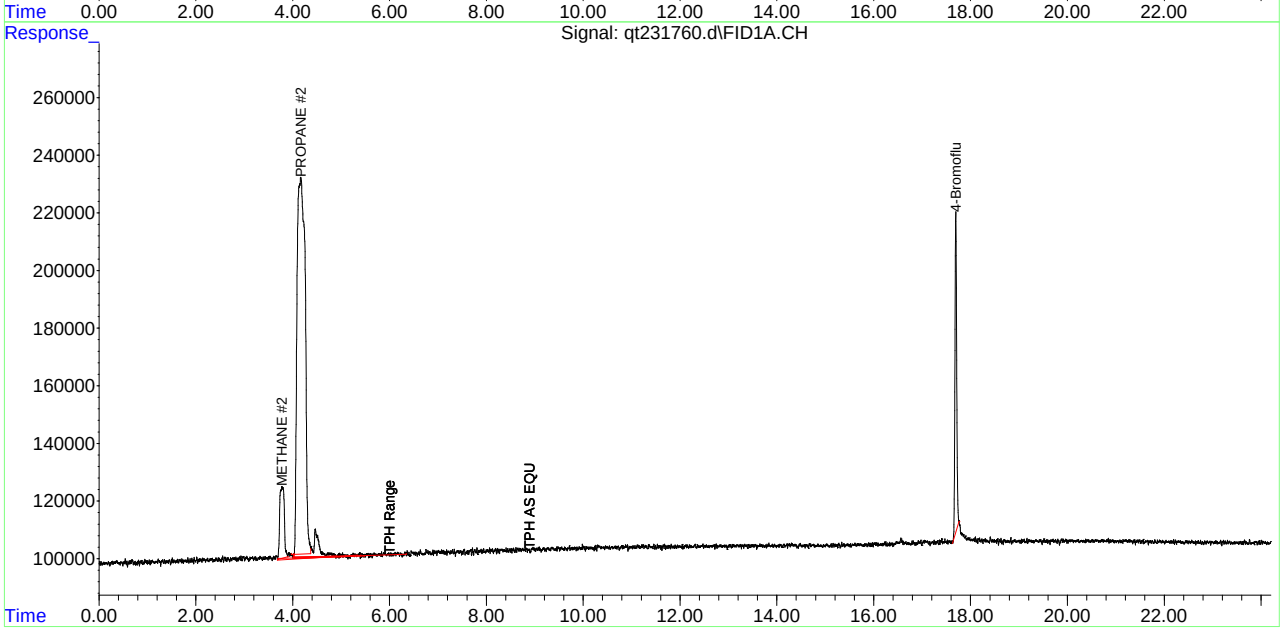
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231760.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 15:40:29
Operator : williamc
Sample : je3522-12
Misc : GC64264,GQT3106,,,,,1.35
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:35:23 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231761.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 16:19:02
Operator : williamc
Sample : je3522-13
Misc : GC64264,GQT3106,,,,,1.45
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:37:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.695	2590255	9.649 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	96.49%
26) s 4-Bromofluorobenzene #2	17.696	3039018	9.269 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	92.69%
Target Compounds			

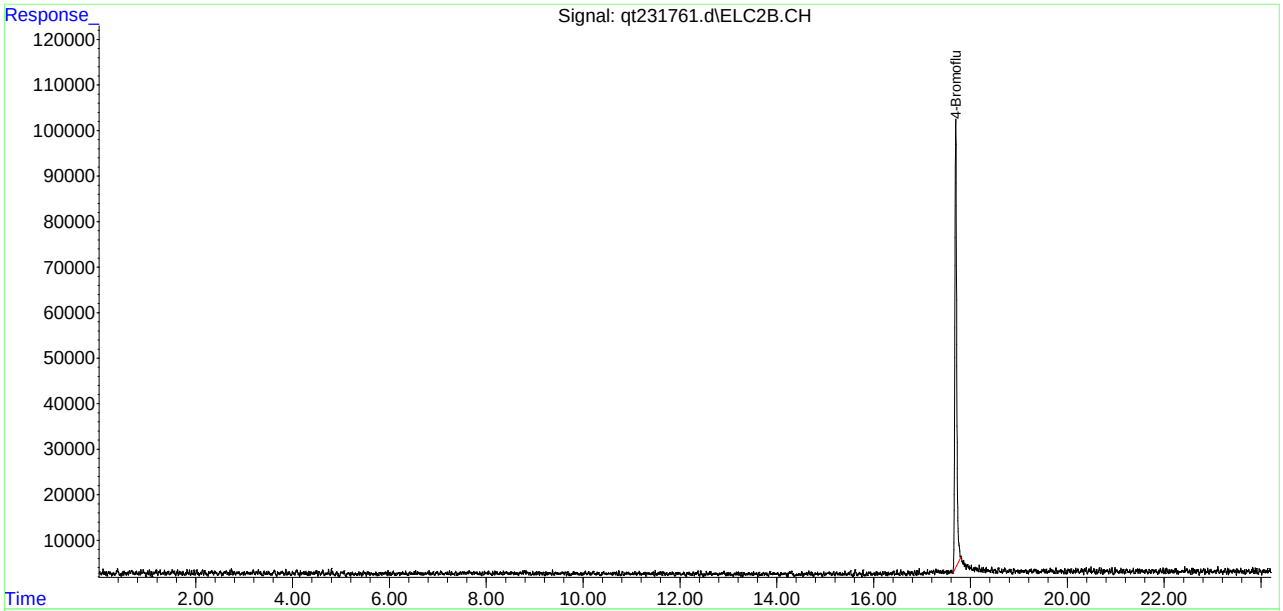
(f)=RT Delta > 1/2 Window (m)=manual int.

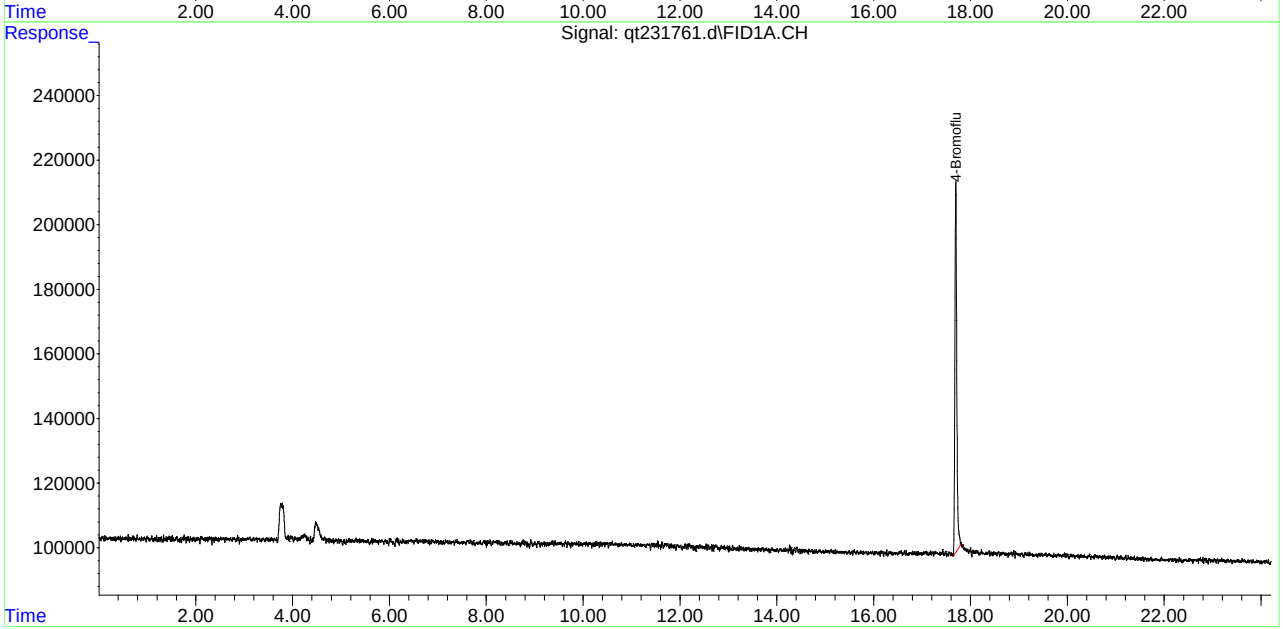
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231761.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 16:19:02
Operator : williamc
Sample : je3522-13
Misc : GC64264,GQT3106,,,,,1.45
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:37:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/07/25 17:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231762.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 16:55:53
Operator : williamc
Sample : je3522-14
Misc : GC64264,GQT3106,,,,,1.30
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:40:56 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.696	2611851	9.729 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	97.29%	
26) s	4-Bromofluorobenzene #2	17.696	3019342	9.209 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	92.09%	
	Target Compounds			
11)	METHANE #2	3.802	1973443	6.664 PPMV
13)	PROPANE #2	4.206	516926	0.571 PPMV m
28) H	TPH AS EQUIV METHANE #2	8.900	3551170	11.948 PPMV
30) H	TPH Range A as Methan...	6.000	5644923	18.954 ppmv
31) H	TPH Range A as Methan...	6.000	3663745	12.321 PPMV
33) H	TPH Range A as Propan...	6.000	5629744	6.268 ppmv

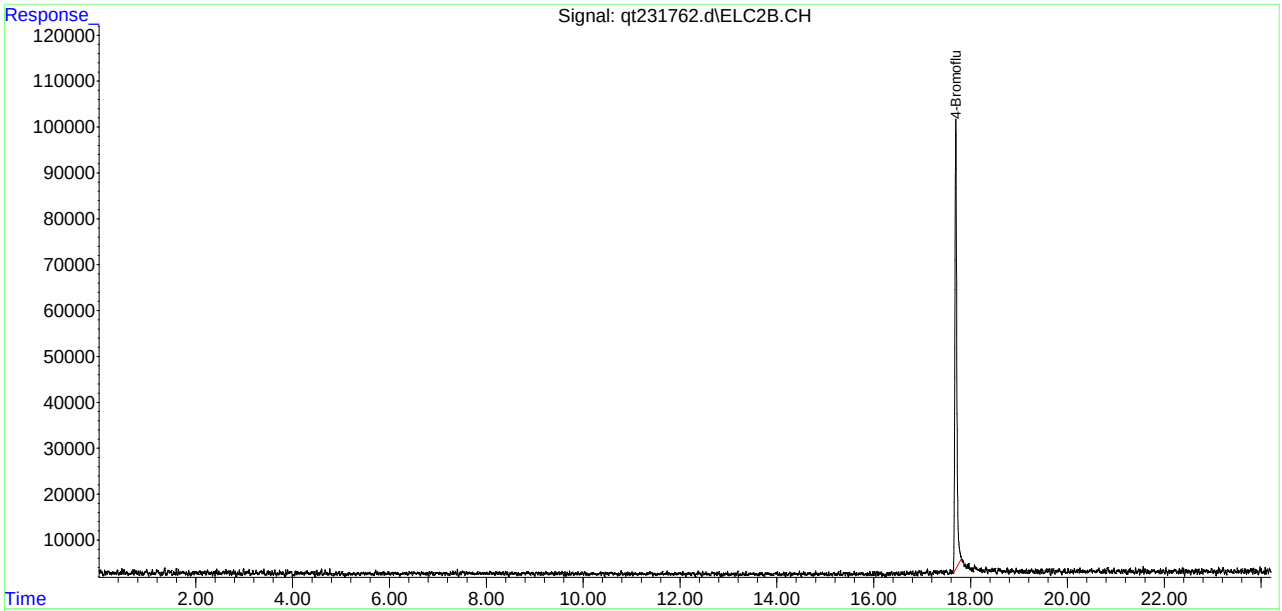
(f)=RT Delta > 1/2 Window (m)=manual int.

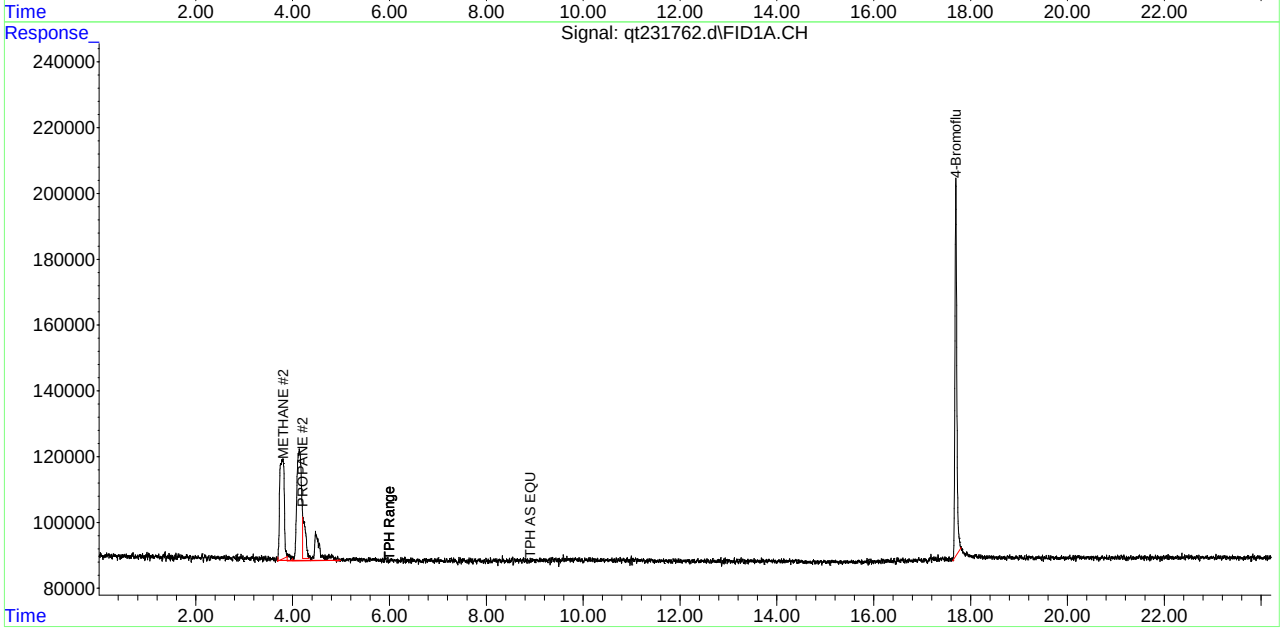
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231762.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 16:55:53
Operator : williamc
Sample : je3522-14
Misc : GC64264,GQT3106,,,,,1.30
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:40:56 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number:	JE3522-14	**Method:**	EPA TO-3
Lab FileID:	QT231762.D	**Analyst approved:**	01/07/25 09:05 William Cruser
Injection Time:	01/06/25 16:55	**Supervisor approved:**	01/07/25 17:05 Kanya Veerawat

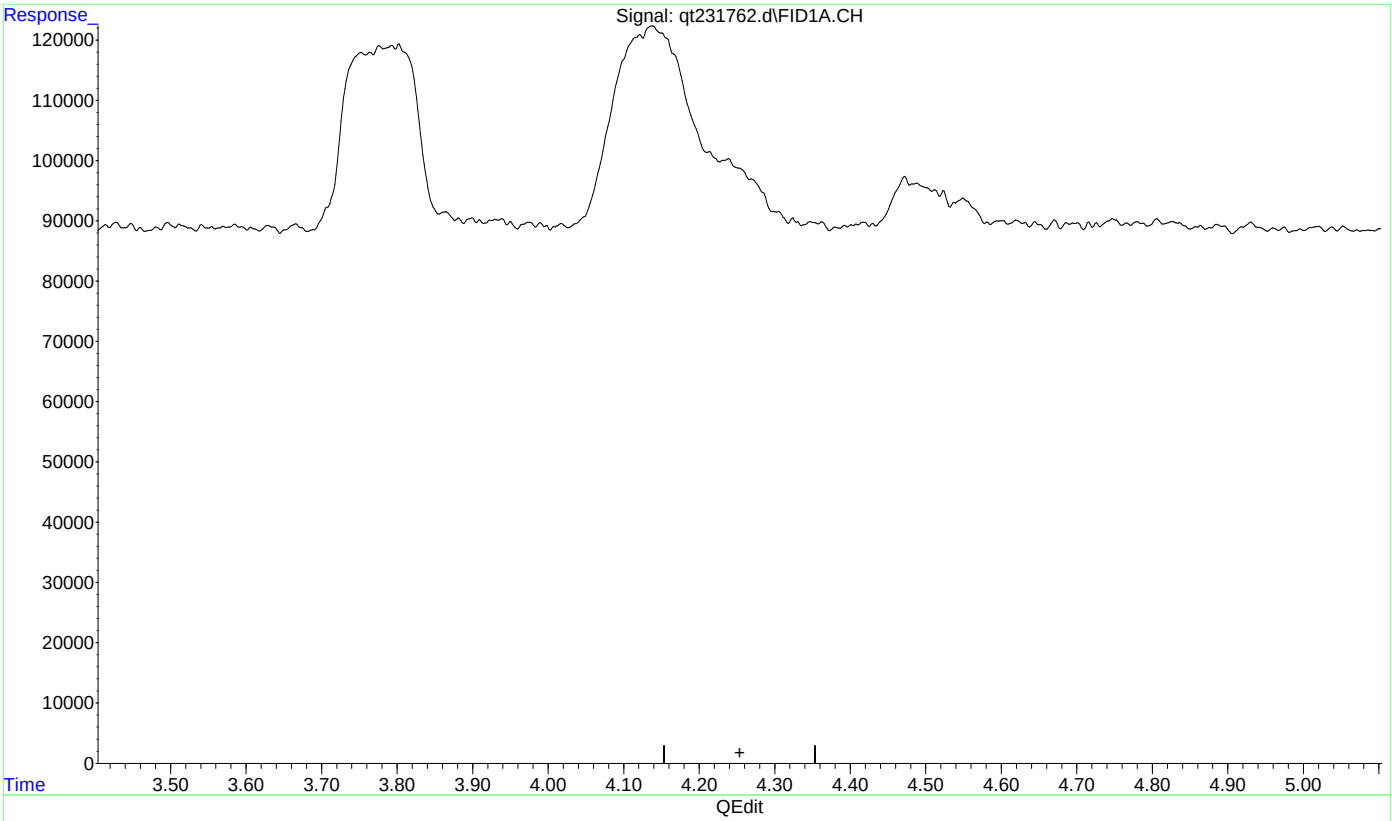
Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	2	4.21	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231762.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 16:55:53
Operator : williamc
Sample : je3522-14
Misc : GC64264,GQT3106,,,,,1.30
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:03:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(13) PROPANE #2

0.000min 0.000 PPMV d

response 0

(+) = Expected Retention Time

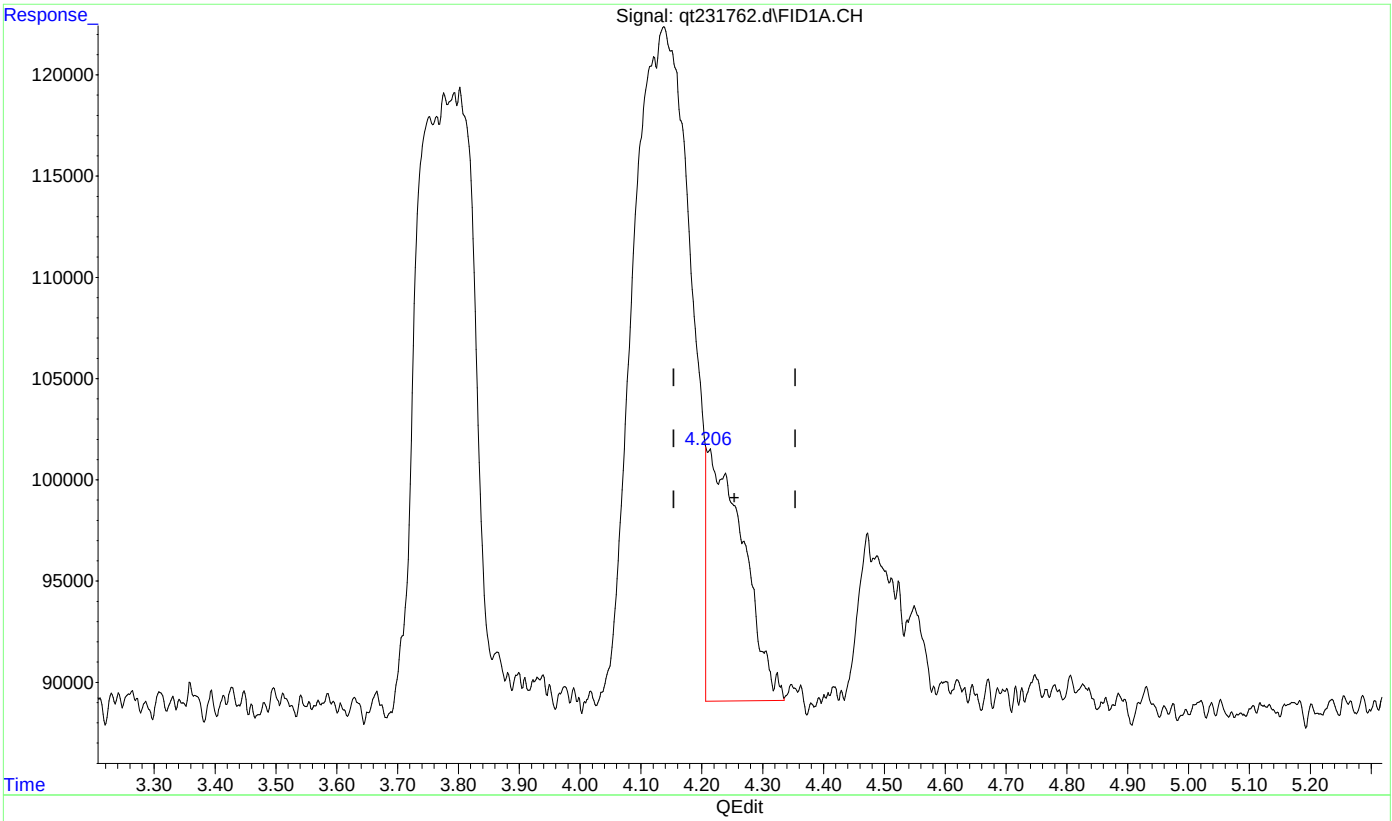
MQT3105.M Tue Jan 07 08:38:32 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231762.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 06-Jan-25, 16:55:53
Operator : williamc
Sample   : je3522-14
Misc   : GC64264,GQT3106,,,,,1.30
ALS Vial : 14   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:03:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(13) PROPANE #2

4.206min 0.571 PPMV m

response 516926

(+) = Expected Retention Time
MQT3105.M Tue Jan 07 08:38:55 2025

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/07/25 17:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231763.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 17:38:06
Operator : williamc
Sample : je3522-15
Misc : GC64264,GQT3106,,,,,1.33
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:45:18 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound		R.T.	Response	Conc Units
	System Monitoring Compounds				
9) s	4-Bromofluorobenzene		17.695	2623285	9.772 PPMV
Spiked Amount	10.000	Range	59 - 135	Recovery =	97.72%
26) s	4-Bromofluorobenzene #2		17.696	2900411	8.846 PPMV
Spiked Amount	10.000	Range	59 - 135	Recovery =	88.46%
	Target Compounds				
5)	m,p-XYLENE		16.552	113256	0.122 PPMV m
22)	m,p-XYLENE #2		16.555	257783	0.124 PPMV m
28) H	TPH AS EQUIV METHANE #2		8.900	2289551	7.703 PPMV
30) H	TPH Range A as Methan...		6.000	1629060	5.470 ppmv

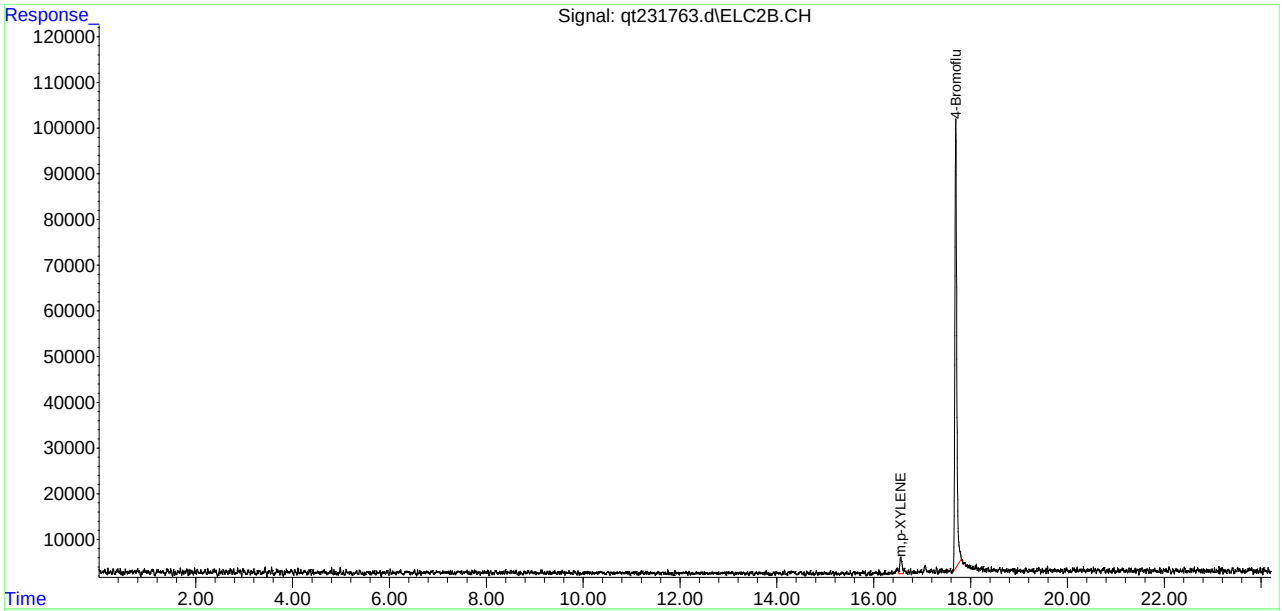
(f)=RT Delta > 1/2 Window (m)=manual int.

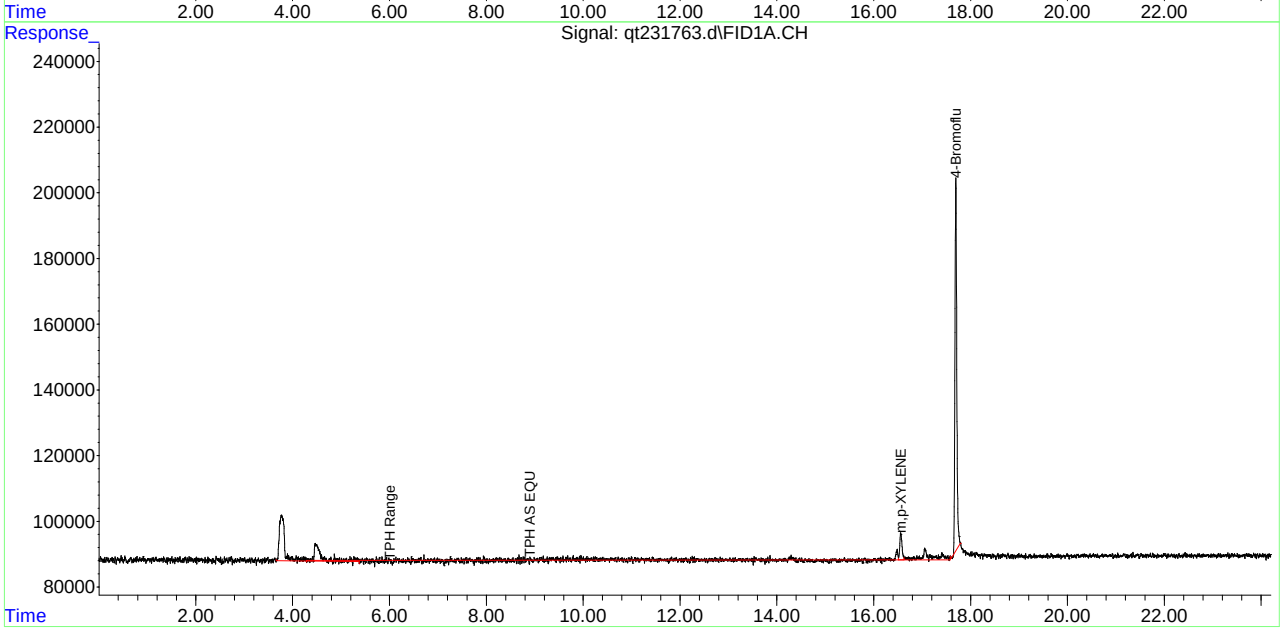
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231763.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 17:38:06
Operator : williamc
Sample : je3522-15
Misc : GC64264,GQT3106,,,,,1.33
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:45:18 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number:	JE3522-15	**Method:**	EPA TO-3
Lab FileID:	QT231763.D	**Analyst approved:**	01/07/25 09:05 William Cruser
Injection Time:	01/06/25 17:38	**Supervisor approved:**	01/07/25 17:05 Kanya Veerawat

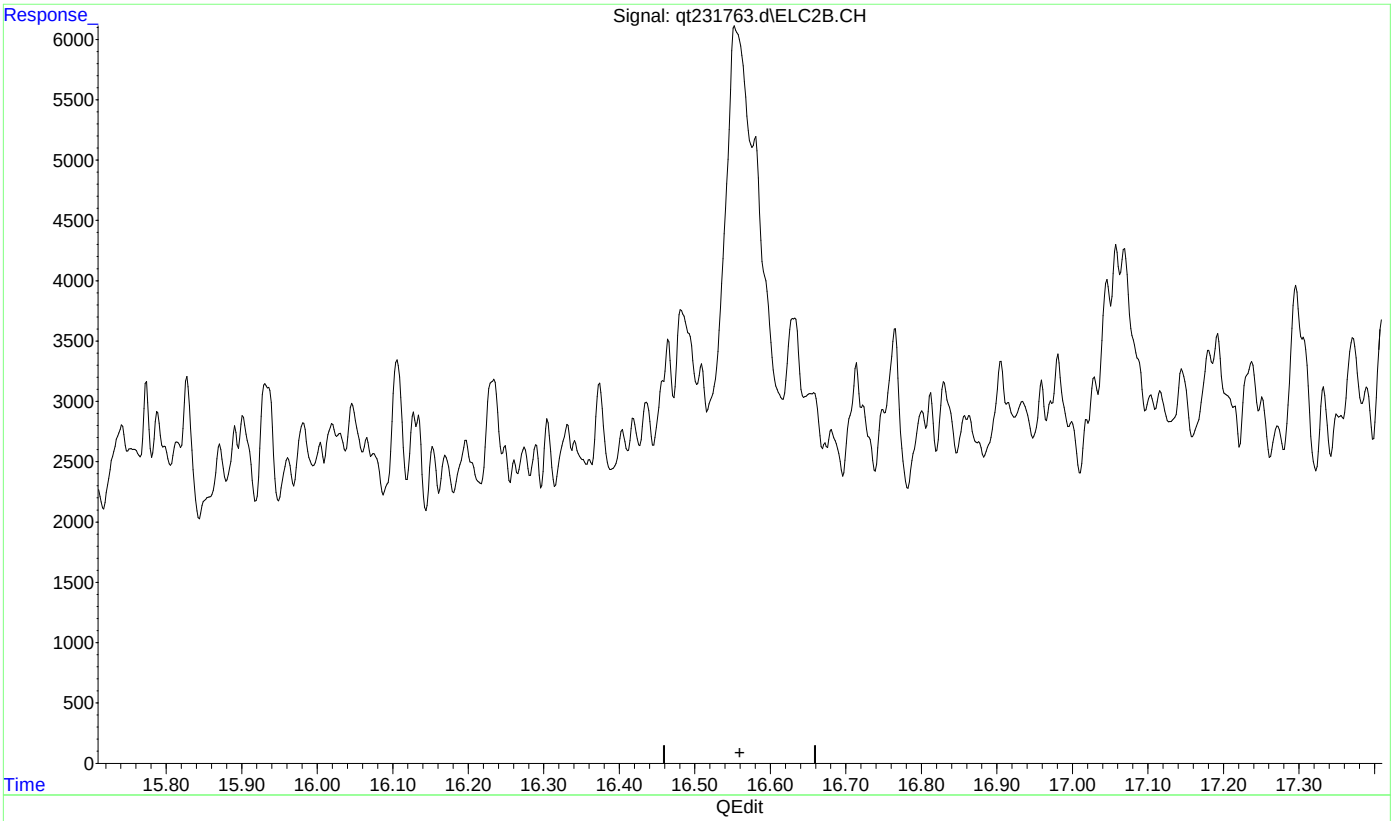
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene		1	16.55	Missed peak
m,p-Xylene		2	16.55	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231763.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 17:38:06
Operator : williamc
Sample : je3522-15
Misc : GC64264,GQT3106,,,,,1.33
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:04:05 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(5) m,p-XYLENE

16.560min 0.000 PPMV

response 0

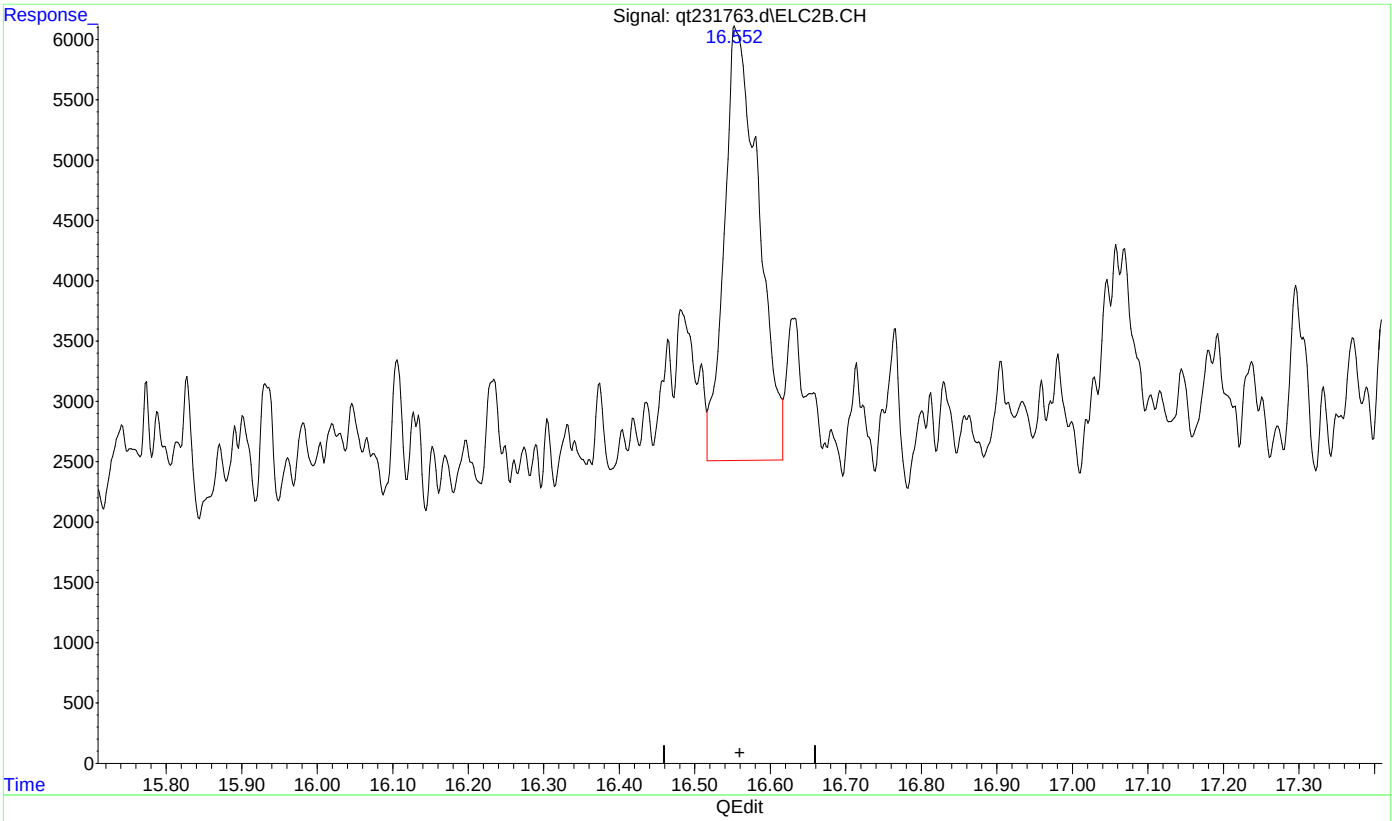
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231763.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 17:38:06
Operator : williamc
Sample : je3522-15
Misc : GC64264,GQT3106,,,,,1.33
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:04:05 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(5) m,p-XYLENE

16.552min 0.122 PPMV m

response 113256

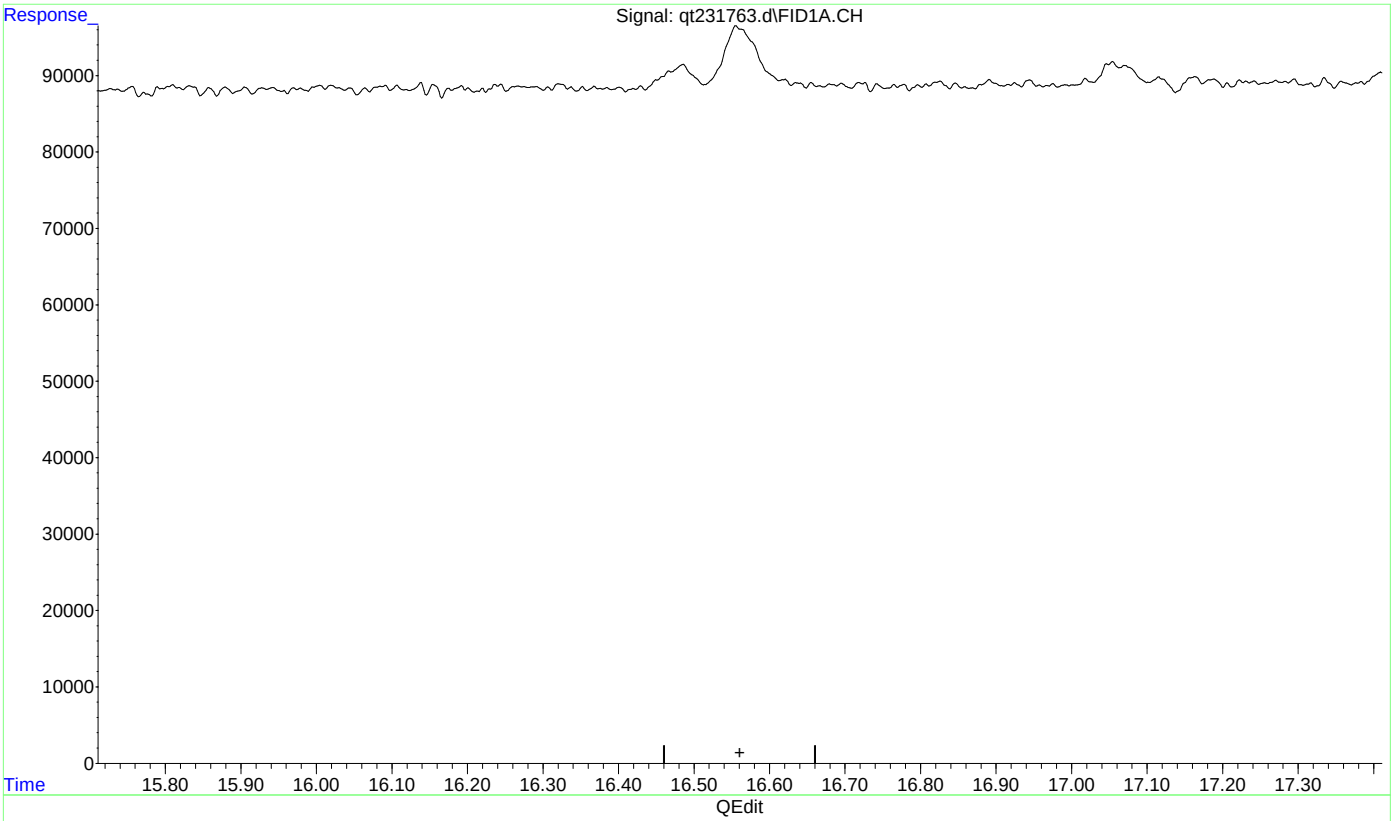
(+) = Expected Retention Time
MQT3105.M Tue Jan 07 08:42:03 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231763.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 06-Jan-25, 17:38:06
Operator : williamc
Sample   : je3522-15
Misc   : GC64264,GQT3106,,,,,1.33
ALS Vial : 15   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:04:05 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(22) m,p-XYLENE #2

16.561min 0.000 PPMV

response 0

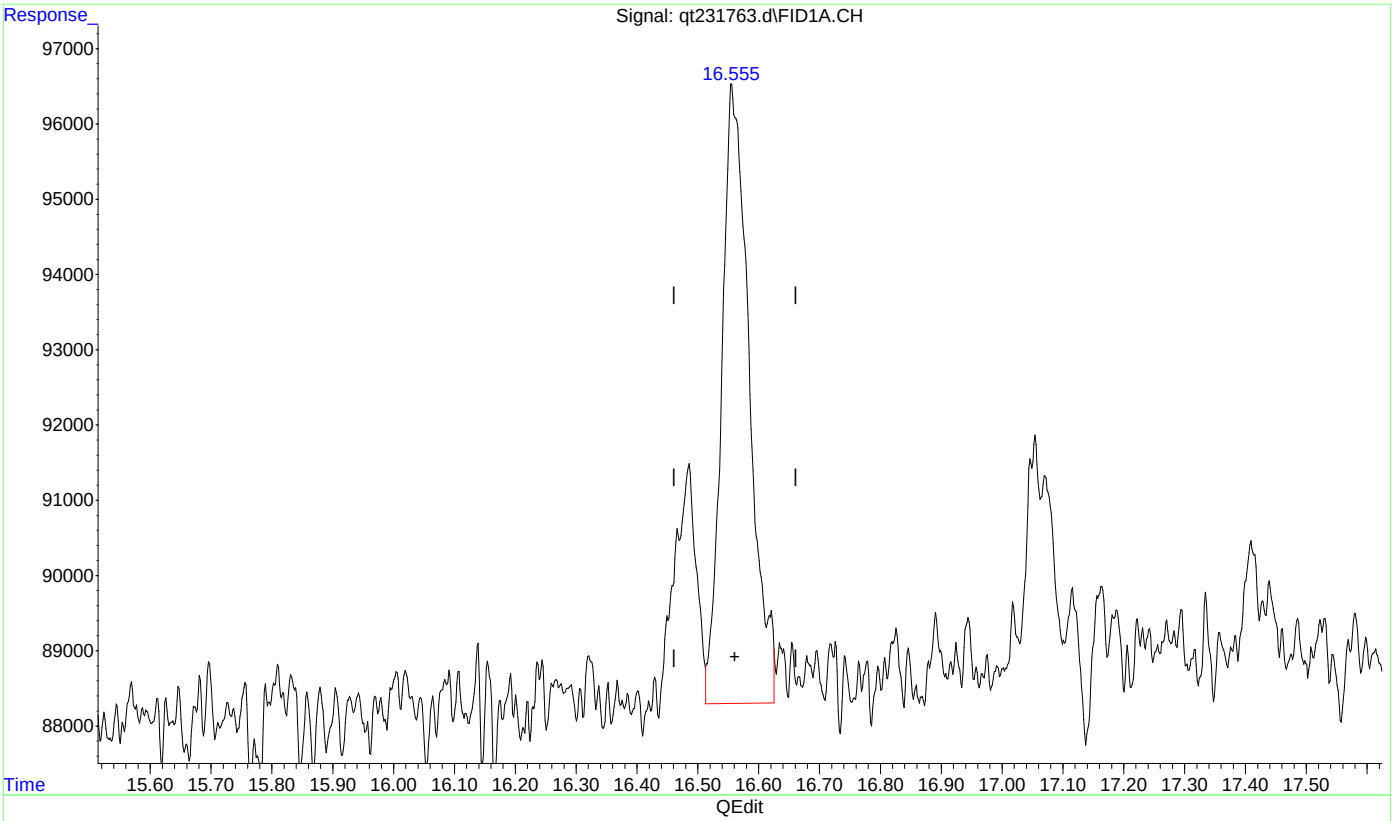
(+) = Expected Retention Time
MQT3105.M Tue Jan 07 08:42:45 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231763.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 17:38:06
Operator : williamc
Sample : je3522-15
Misc : GC64264,GQT3106,,,,,1.33
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:04:05 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(22) m,p-XYLENE #2

16.555min 0.124 PPMV m

response 257783

(+) = Expected Retention Time
MQT3105.M Tue Jan 07 08:43:04 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231751.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 10:06:17
Operator : williamc
Sample : mb
Misc : GC64227,GQT3106,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:23:12 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.694	2562448	9.545 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	95.45%
26) s 4-Bromofluorobenzene #2	17.695	2775694	8.466 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	84.66%
Target Compounds			

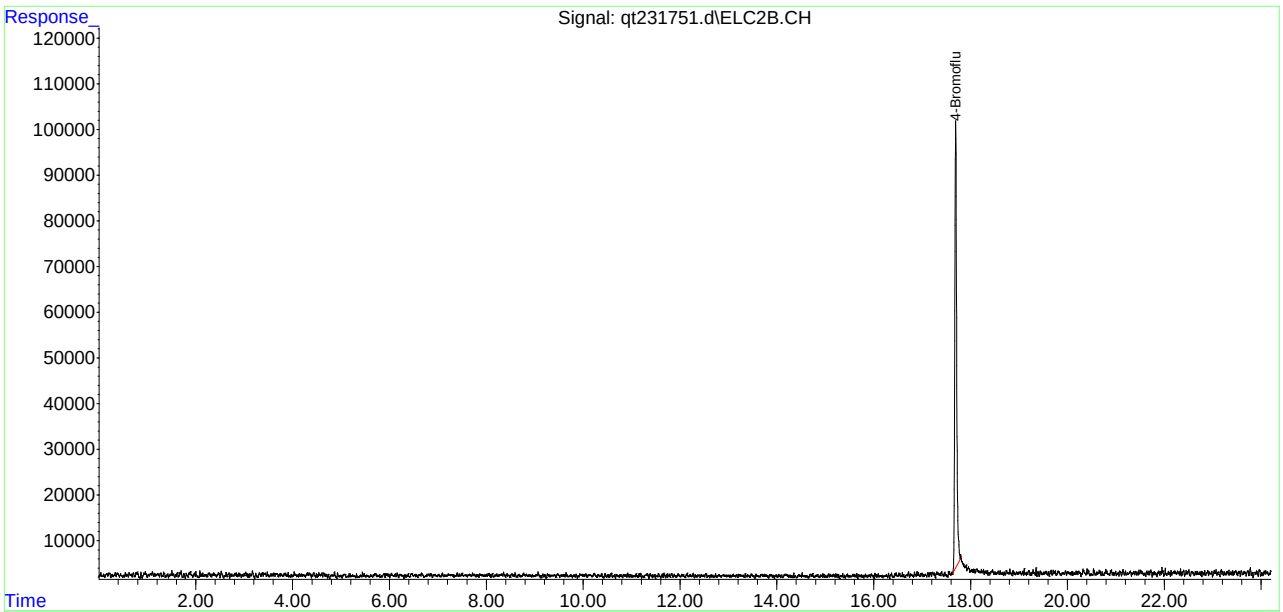
(f)=RT Delta > 1/2 Window (m)=manual int.

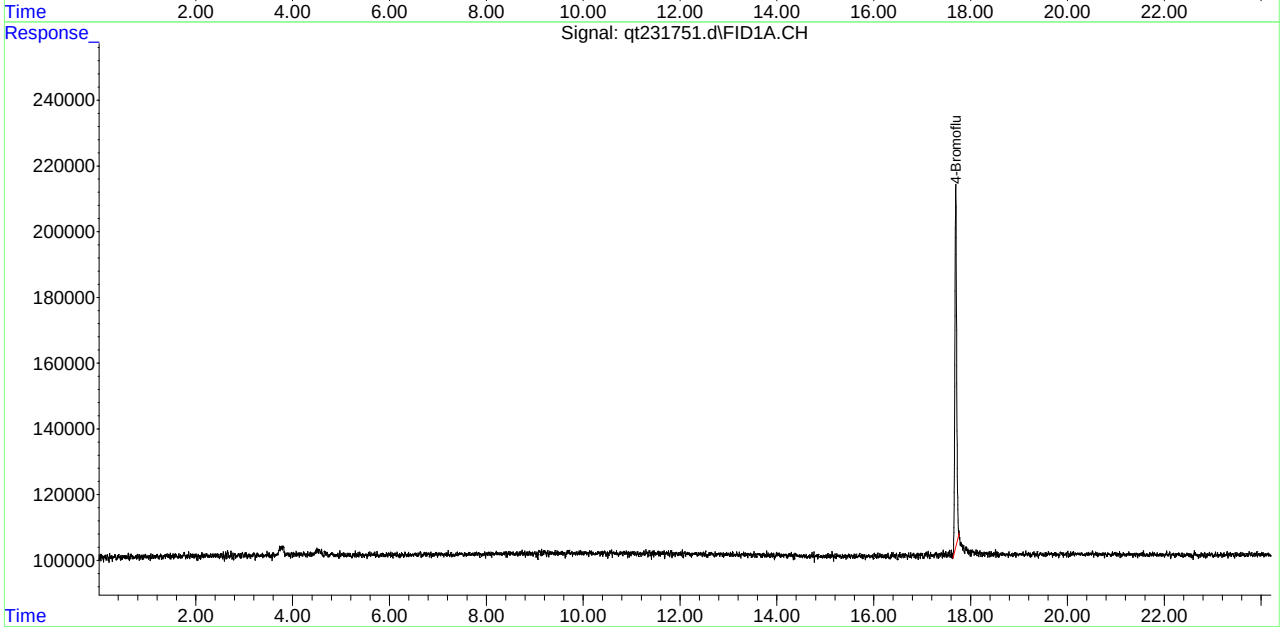
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231751.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 10:06:17
Operator : williamc
Sample : mb
Misc : GC64227,GQT3106,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:23:12 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231781.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 15:55:10 (#1); 09-Jan-25, 15:55:11 (#2)
Operator : williamc
Sample : mb
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:11:18 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.692	2471952	9.208 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	92.08%
26) s 4-Bromofluorobenzene #2	17.694	2375395	7.245 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	72.45%
Target Compounds			

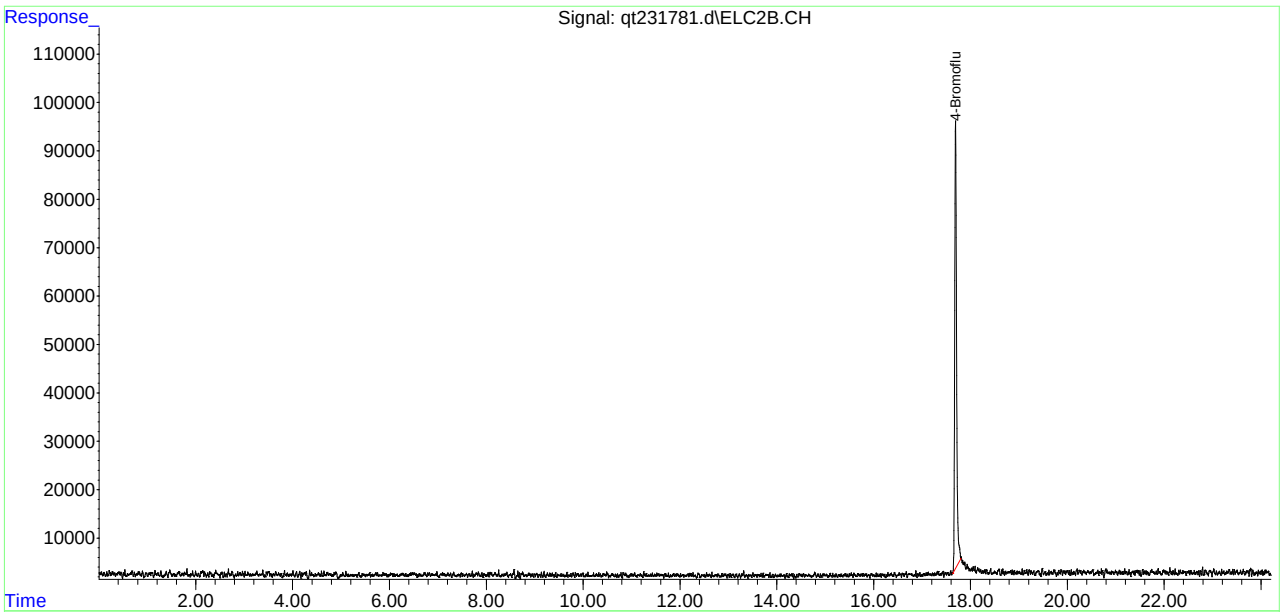
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231781.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 15:55:10 (#1); 09-Jan-25, 15:55:11 (#2)
Operator : williamc
Sample : mb
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:11:18 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231750.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 09:31:37 (#1); 06-Jan-25, 09:31:36 (#2)
Operator : williamc
Sample : bs
Misc : GC64227,GQT3106,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:21:27 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.694	2731634	10.175 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	101.75%
26) s	4-Bromofluorobenzene #2	17.695	2943866	8.979 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	89.79%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.586	4575361	9.287 PPMV
2)	BENZENE	11.226	7653616	9.833 PPMV
3)	TOLUENE	14.303	7748854	9.933 PPMV
4)	ETHYLBENZENE	16.476	6604746	9.569 PPMV
5)	m,p-XYLENE	16.558	18016715	19.389 PPMV
6)	o-XYLENE	17.059	6660033	8.980 PPMV
7)	ISOPROPYLBENZENE	17.411	3104639	4.949 PPMV
11)	METHANE #2	3.798	27825185	93.956 PPMV
12)	ETHANE #2	3.885	7066754	9.977 PPMV
13)	PROPANE #2	4.253	8792491	9.716 PPMV
14)	n-BUTANE #2	5.199	12025046	9.806 PPMV
15)	PENTANE #2	6.883	14327891	9.901 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.887	9877499	9.932 PPMV
17)	METHYL TERTIARY BUTYL...	8.586	11476530	9.561 PPMV
18)	HEXANE #2	8.834	17044718	10.269 PPMV
19)	BENZENE #2	11.227	16735420	10.117 PPMV
20)	TOLUENE #2	14.302	17538782	10.316 PPMV
21)	ETHYLBENZENE #2	16.477	16907720	9.172 PPMV
22)	m,p-XYLENE #2	16.560	38107062	18.322 PPMV
23)	o-XYLENE #2	17.059	17099964	10.744 PPMV
24)	Isopropylbenzene #2	17.412	9083286	4.938 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	14707241	9.918 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	27897146	93.861 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	17579478	10.370 PPMV
30) H	TPH Range A as Methan...	6.000	27642464	92.816 ppmv
31) H	TPH Range A as Methan...	6.000	27898116	93.818 PPMV
32) H	TPH Range B as Pentan...	12.500	14857994	10.047 ppmv
33) H	TPH Range A as Propan...	6.000	8900745	9.909 ppmv
34) H	TPH Range B as Hexane #2	12.500	17480743	10.309 ppmv

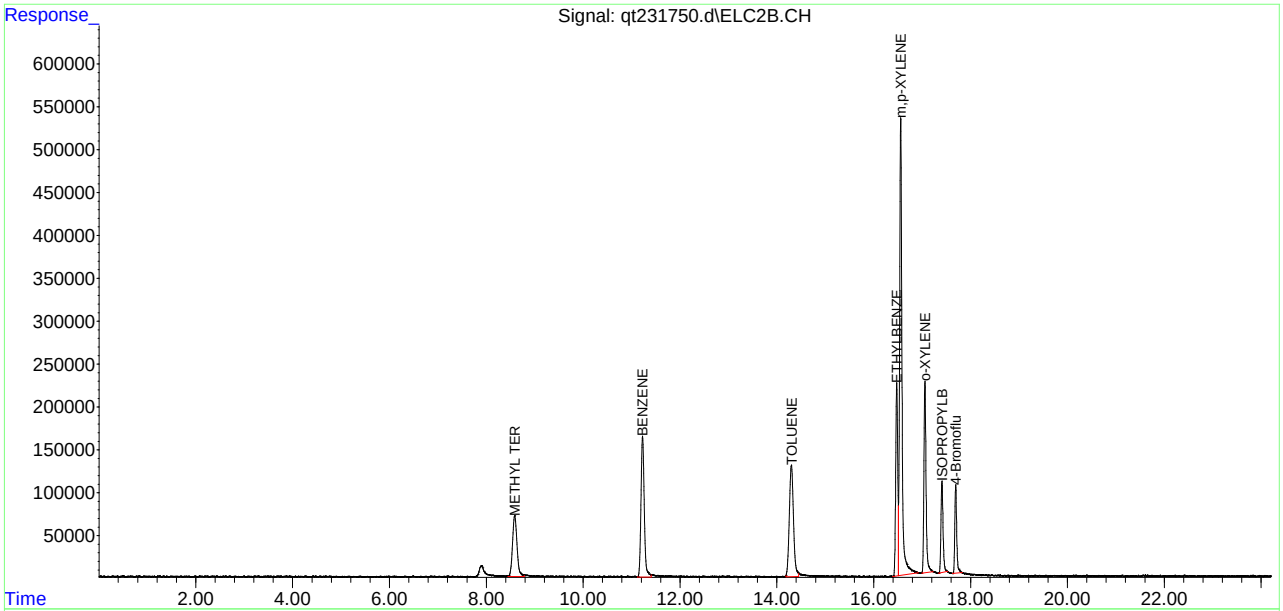
(f)=RT Delta > 1/2 Window (m)=manual int.

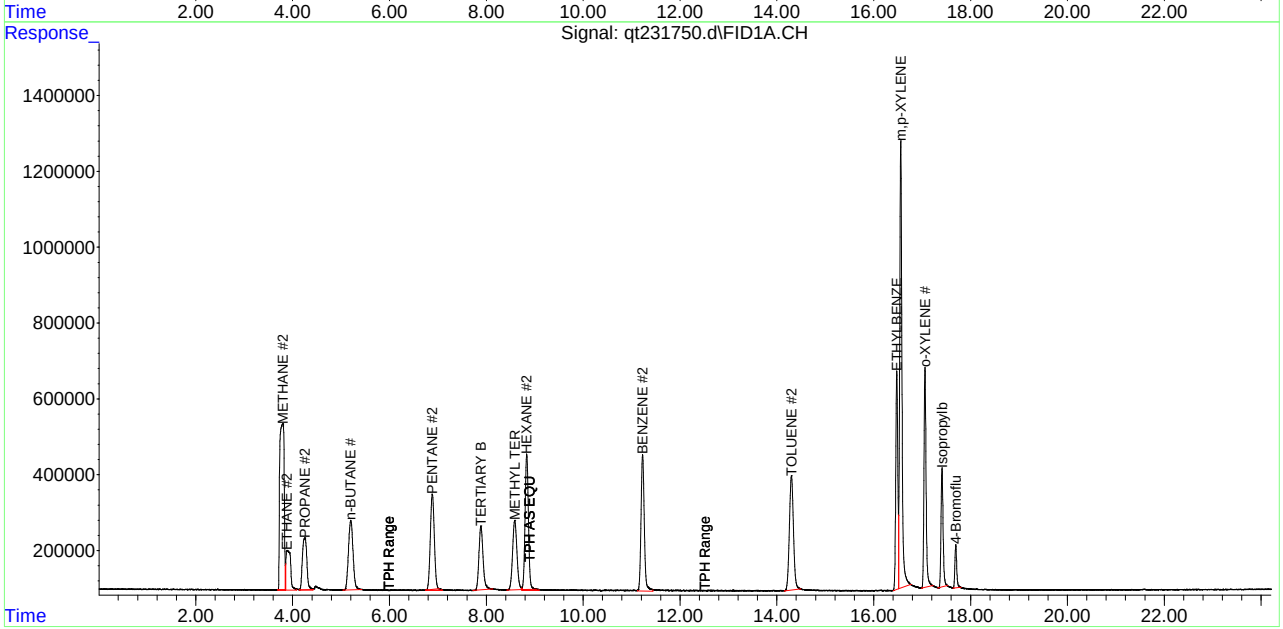
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231750.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 09:31:37 (#1); 06-Jan-25, 09:31:36 (#2)
Operator : williamc
Sample : bs
Misc : GC64227,GQT3106,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:21:27 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231780.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 15:10:50
Operator : williamc
Sample : bs
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:10:41 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.694	2574435	9.590 PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	95.90%
26) s	4-Bromofluorobenzene #2	17.694	2488506	7.590 PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	75.90%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.577	4348373	8.826 PPMV
2)	BENZENE	11.220	7188289	9.235 PPMV
3)	TOLUENE	14.298	7329664	9.396 PPMV
4)	ETHYLBENZENE	16.476	6277734	9.095 PPMV
5)	m,p-XYLENE	16.559	17358979	18.681 PPMV
6)	o-XYLENE	17.058	6214748	8.380 PPMV
7)	ISOPROPYLBENZENE	17.411	3016940	4.810 PPMV
11)	METHANE #2	3.798	23479646	79.283 PPMV
12)	ETHANE #2	3.882	6034208	8.520 PPMV
13)	PROPANE #2	4.245	7576739	8.372 PPMV
14)	n-BUTANE #2	5.192	10584264	8.631 PPMV
15)	PENTANE #2	6.875	12617481	8.719 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.879	8364419	8.410 PPMV
17)	METHYL TERTIARY BUTYL...	8.577	10022727	8.350 PPMV
18)	HEXANE #2	8.826	15021619	9.050 PPMV
19)	BENZENE #2	11.221	14324009	8.659 PPMV
20)	TOLUENE #2	14.297	15214074	8.949 PPMV
21)	ETHYLBENZENE #2	16.477	14310985	7.764 PPMV
22)	m,p-XYLENE #2	16.560	32403002	15.580 PPMV
23)	o-XYLENE #2	17.059	14521587	9.124 PPMV
24)	Isopropylbenzene #2	17.412	8116653	4.413 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	13096501	8.832 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	23679419	79.670 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	15188318	8.960 PPMV
30) H	TPH Range A as Methan...	6.000	23559443	79.106 ppmv
31) H	TPH Range A as Methan...	6.000	23524040	79.108 PPMV
32) H	TPH Range B as Pentan...	12.500	12928415	8.743 ppmv
33) H	TPH Range A as Propan...	6.000	7751233	8.629 ppmv
34) H	TPH Range B as Hexane #2	12.500	15320365	9.035 ppmv

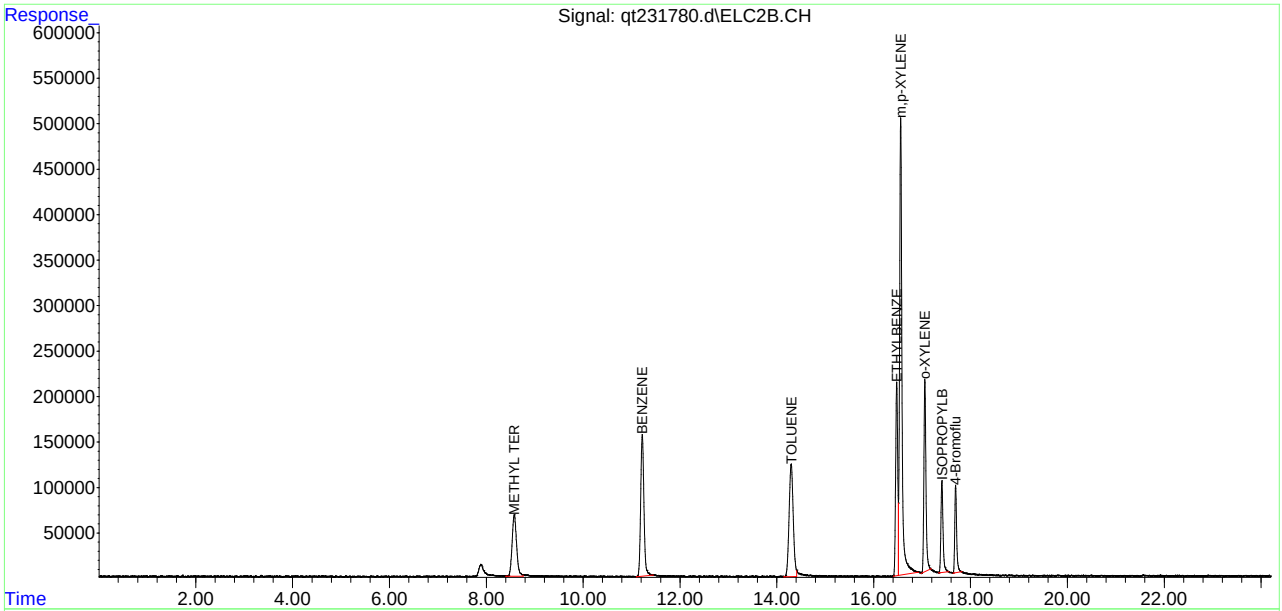
(f)=RT Delta > 1/2 Window (m)=manual int.

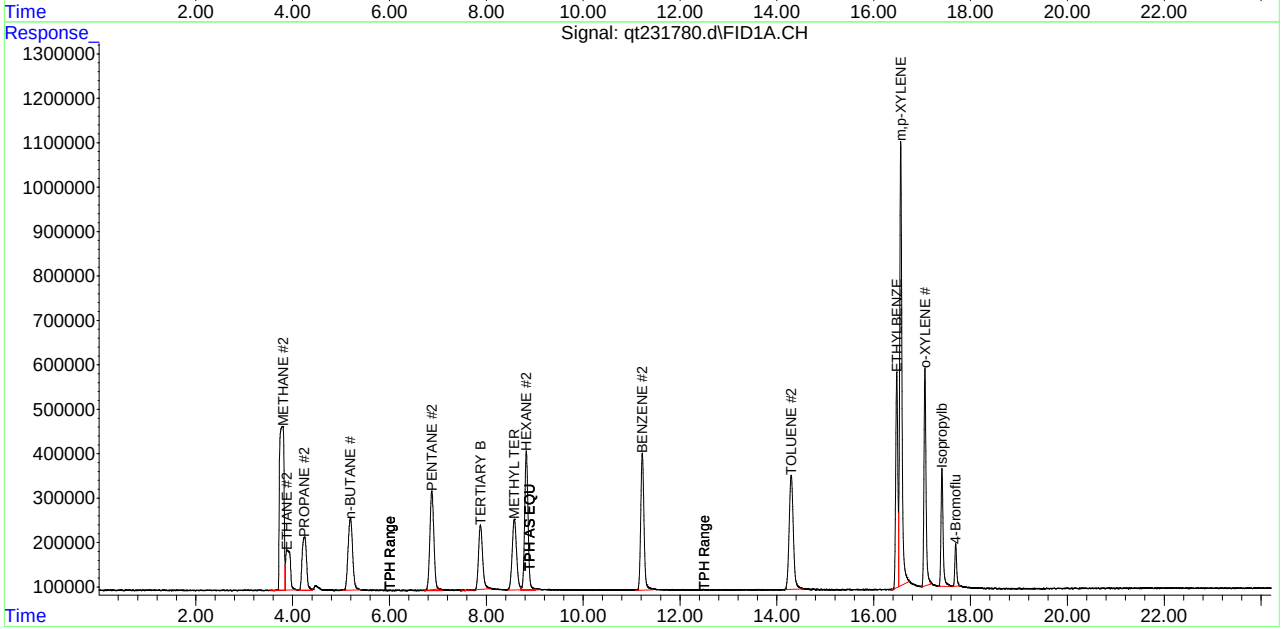
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231780.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 15:10:50
Operator : williamc
Sample : bs
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:10:41 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/06/25 22:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:37:59 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
9) s	4-Bromofluorobenzene	17.694	2643986	9.849	PPMV	
Spiked Amount	10.000	Range 59 - 135	Recovery =	98.49%		
26) s	4-Bromofluorobenzene #2	17.696	2968932	9.055	PPMV	
Spiked Amount	10.000	Range 59 - 135	Recovery =	90.55%		
	Target Compounds					
2)	BENZENE	11.230	478748	0.615	PPMV	
3)	TOLUENE	14.320	86308	0.111	PPMV	m
4)	ETHYLBENZENE	16.475	79119	0.115	PPMV	m
5)	m,p-XYLENE	16.547	95278	0.103	PPMV	m
11)	METHANE #2	3.785	372988888	1259.459	PPMV	
13)	PROPANE #2	4.252	650081	0.718	PPMV	m
14)	n-BUTANE #2	5.206	616082	0.502	PPMV	m
15)	PENTANE #2	6.883	1115715	0.771	PPMV	m
18)	HEXANE #2	8.831	877235	0.529	PPMV	
19)	BENZENE #2	11.231	1090047	0.659	PPMV	
20)	TOLUENE #2	14.306	197655	0.116	PPMV	m
21)	ETHYLBENZENE #2	16.471	198728	0.108	PPMV	m
22)	m,p-XYLENE #2	16.566	160227	0.077	PPMV	m
27) H	TPH AS EQUIV PENTANE #2	8.900	24472973	16.504	PPMV	
28) H	TPH AS EQUIV METHANE #2	8.900	24271786	81.663	PPMV	
29) H	TPH AS EQUIV HEXANE #2	8.900	24579037	14.499	PPMV	
30) H	TPH Range A as Methan...	6.000	378138904	1269.688	ppmv	
31) H	TPH Range A as Methan...	6.000	3043770	10.236	PPMV	
32) H	TPH Range B as Pentan...	12.500	21016198	14.212	ppmv	
33) H	TPH Range A as Propan...	6.000	378138904	420.984	ppmv	
34) H	TPH Range B as Hexane #2	12.500	20939409	12.349	ppmv	

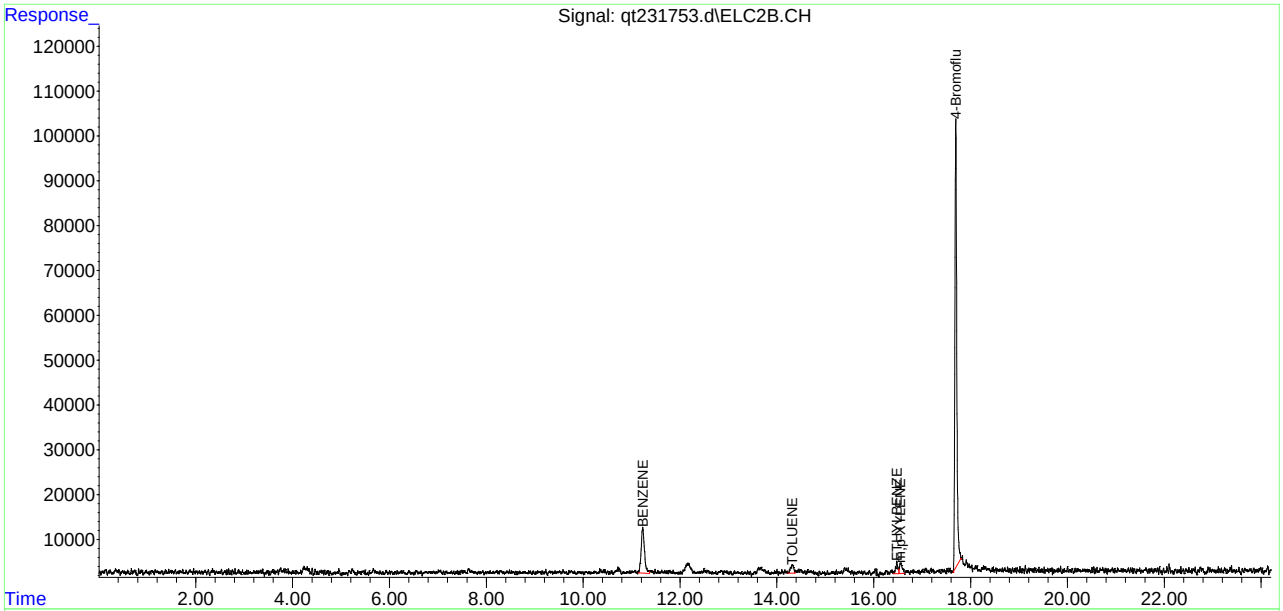
(f)=RT Delta > 1/2 Window (m)=manual int.

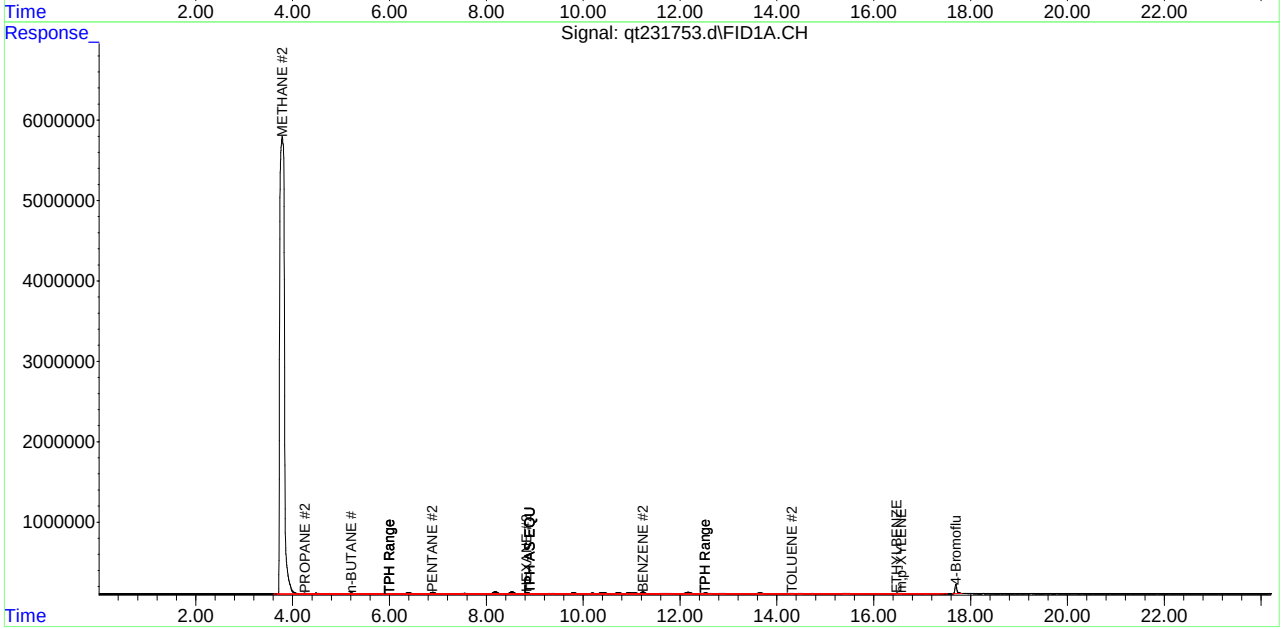
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:37:59 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number: JE3098-1DUP
Lab FileID: QT231753.D
Injection Time: 01/06/25 11:22
Method: EPA TO-3
Analyst approved: 01/06/25 16:53 William Cruser
Supervisor approved: 01/06/25 22:08 Kanya Veerawat

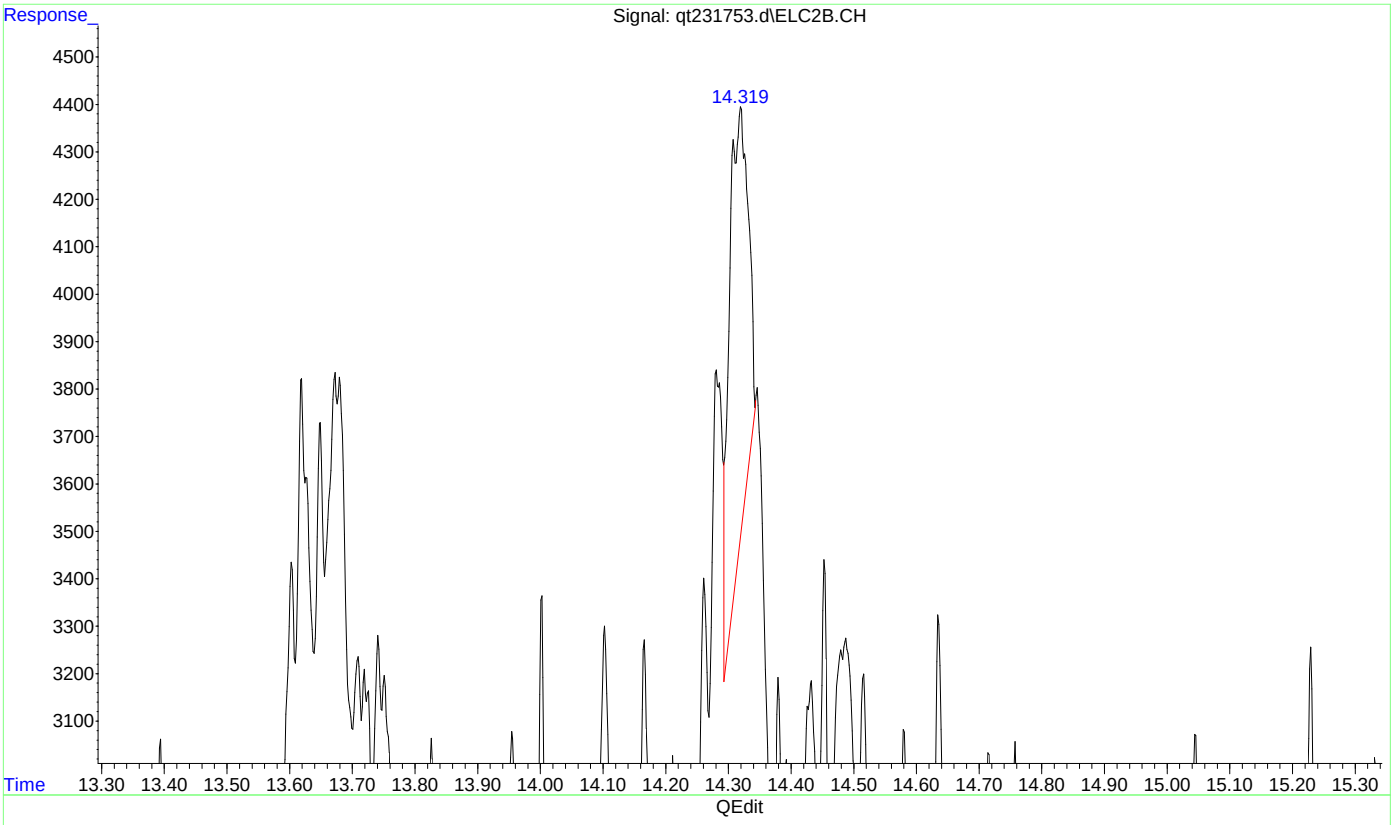
Parameter	CAS	Sig#	R.T. (min.)	Reason
Propane	74-98-6	2	4.25	Split peak
n-Butane	106-97-8	2	5.21	Poorly defined baseline
Pentane	109-66-0	2	6.88	Poorly defined baseline
Toluene	108-88-3	2	14.31	Missed peak
Toluene	108-88-3	1	14.32	Poorly defined baseline
Ethylbenzene	100-41-4	2	16.47	Missed peak
Ethylbenzene	100-41-4	1	16.48	Missed peak
m,p-Xylene		1	16.55	Missed peak
m,p-Xylene		2	16.57	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(3) TOLUENE

14.320min 0.025 PPMV

response 19639

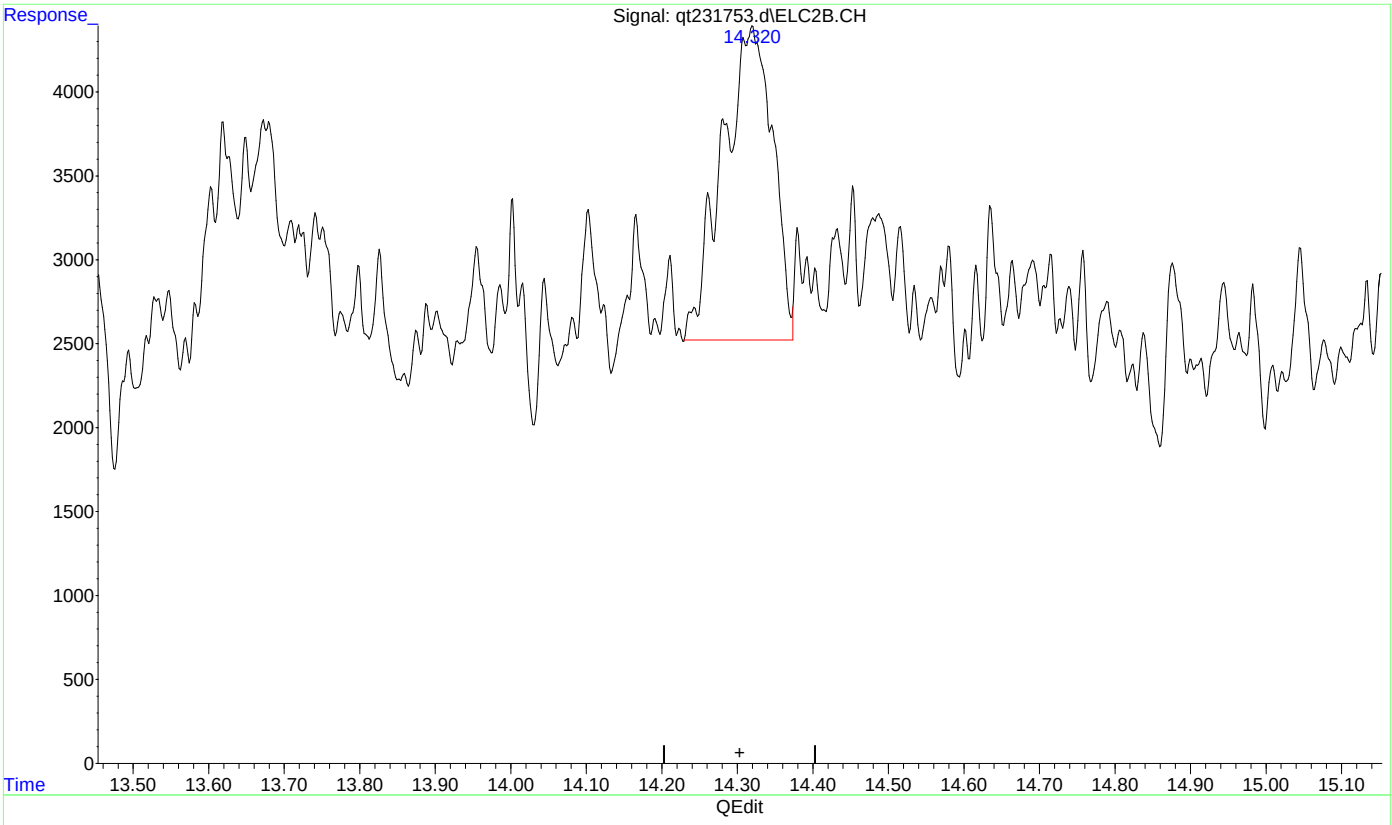
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:31:19 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(3) TOLUENE

14.320min 0.111 PPMV m

response 86308

(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:31:54 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(4) ETHYLBENZENE

16.477min 0.000 PPMV

response 0

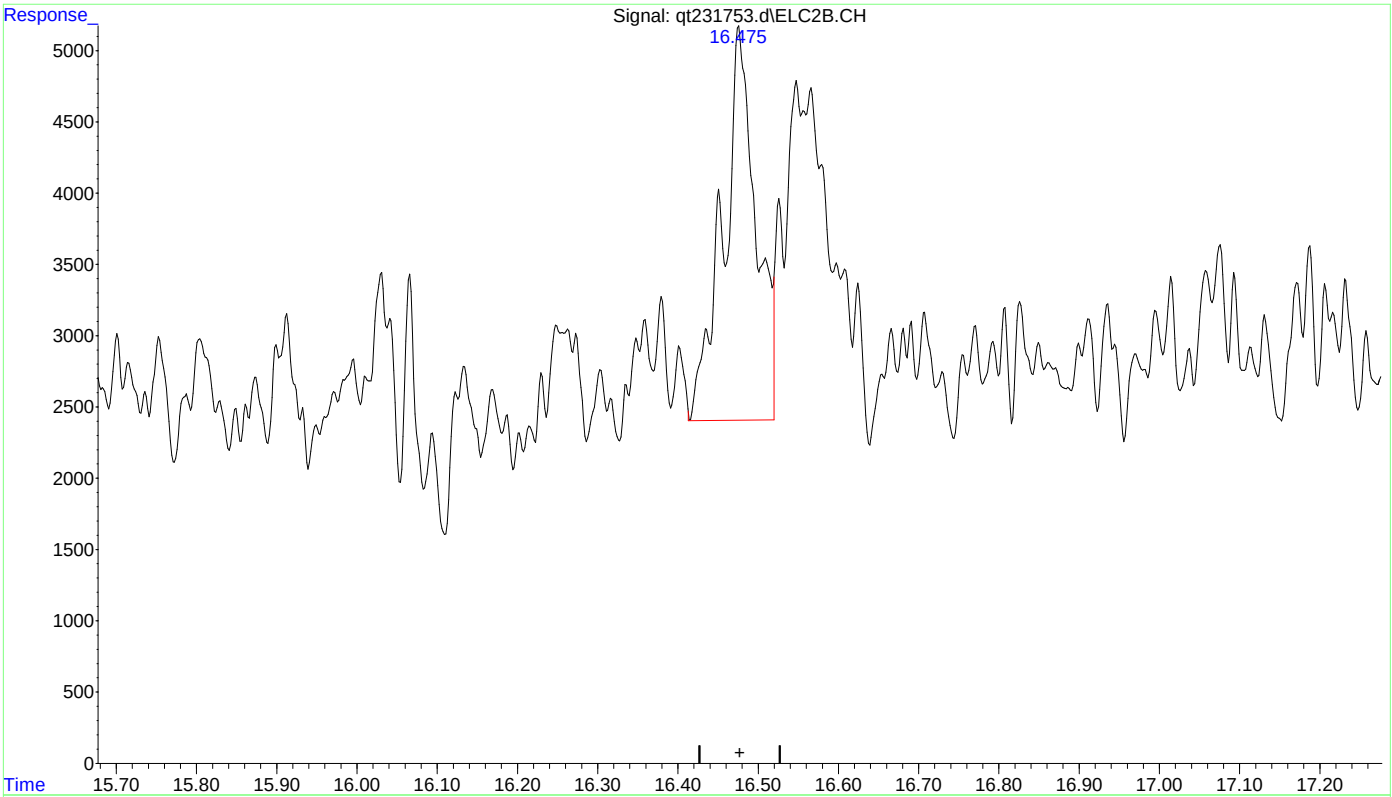
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:32:01 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(4) ETHYLBENZENE

16.475min 0.115 PPMV m

response 79119

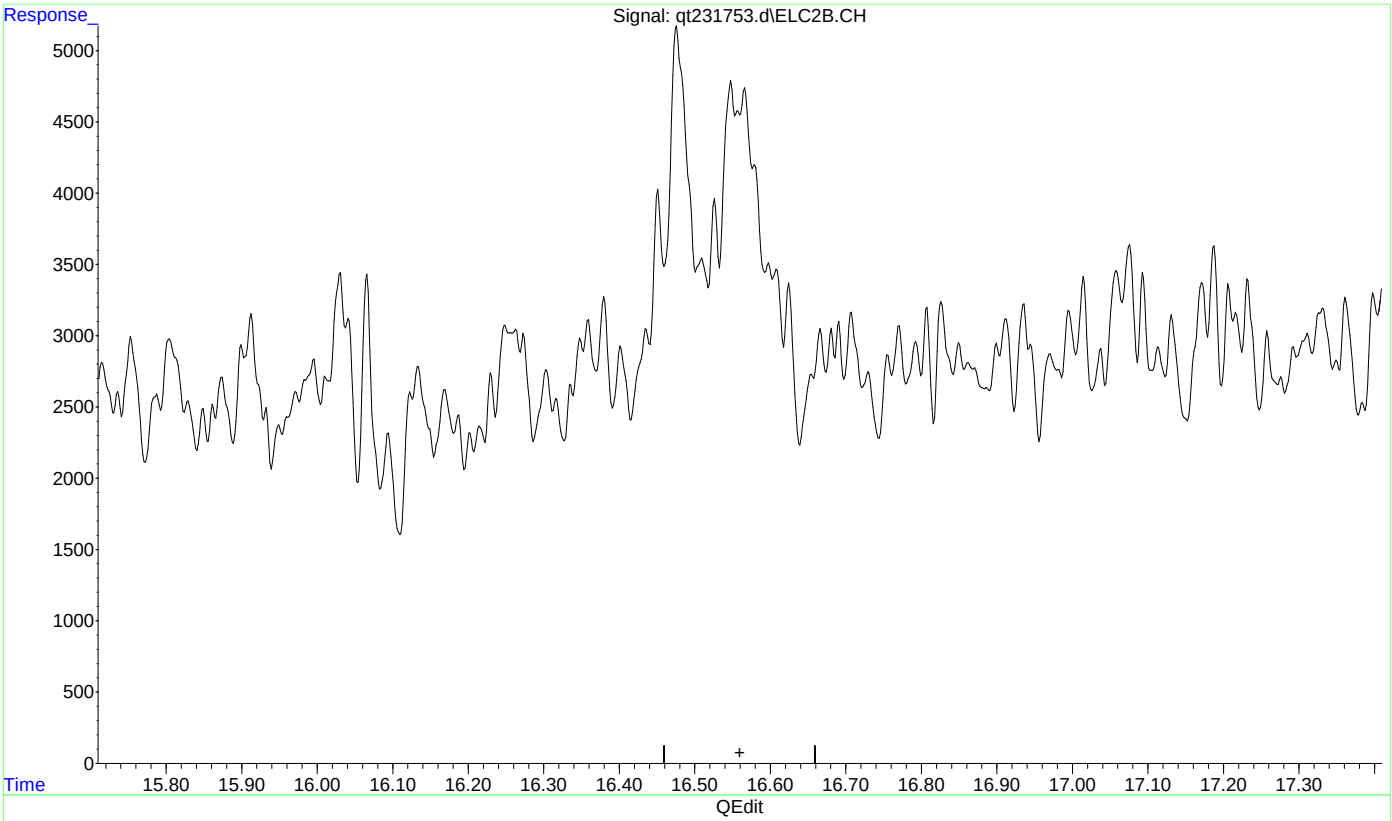
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:32:13 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 06-Jan-25, 11:22:17
Operator : williamc
Sample   : je3098-1dup
Misc   : GC64244,GQT3106,,,,,1.12
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(5) m,p-XYLENE

16.560min 0.000 PPMV

response 0

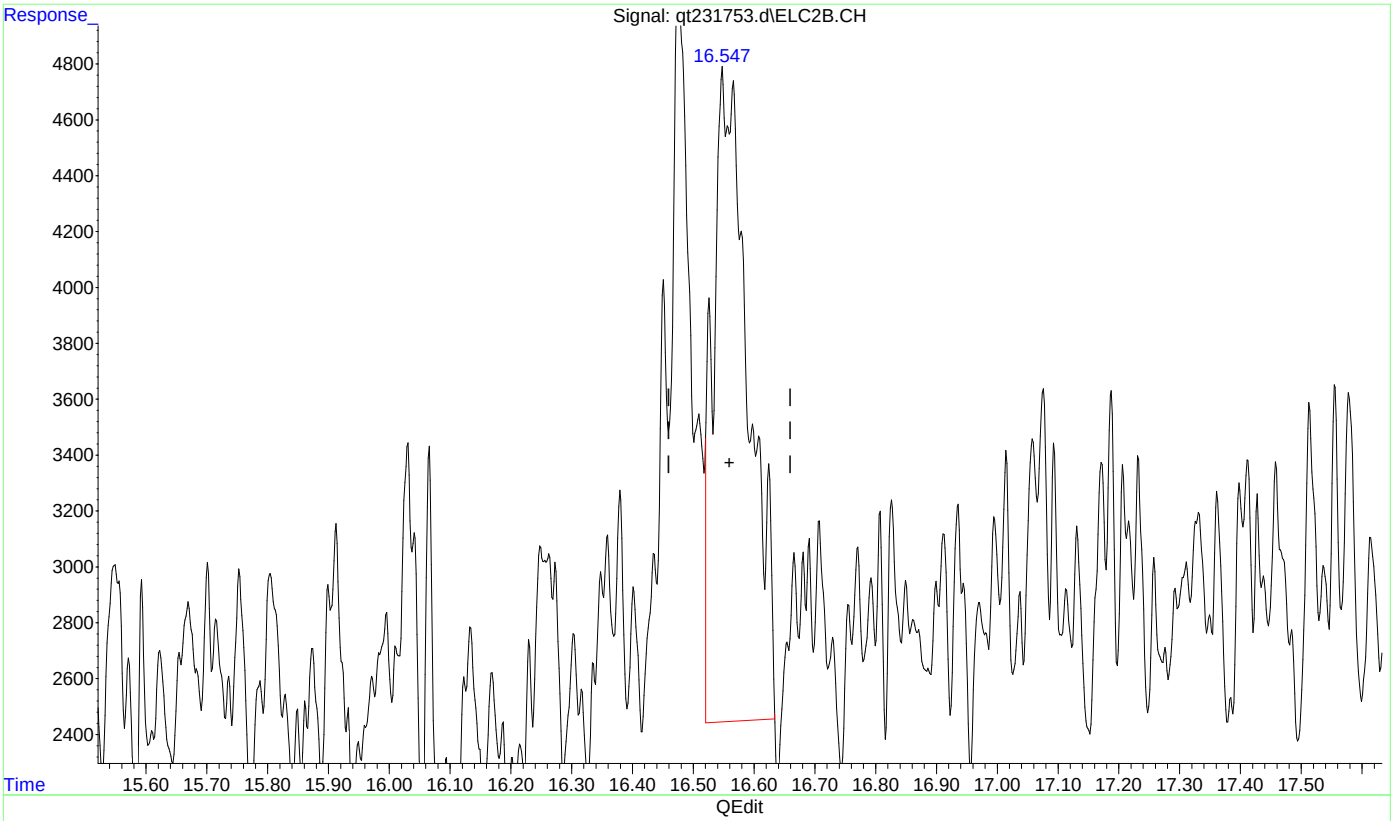
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:32:19 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(5) m,p-XYLENE

16.547min 0.103 PPMV m

response 95278

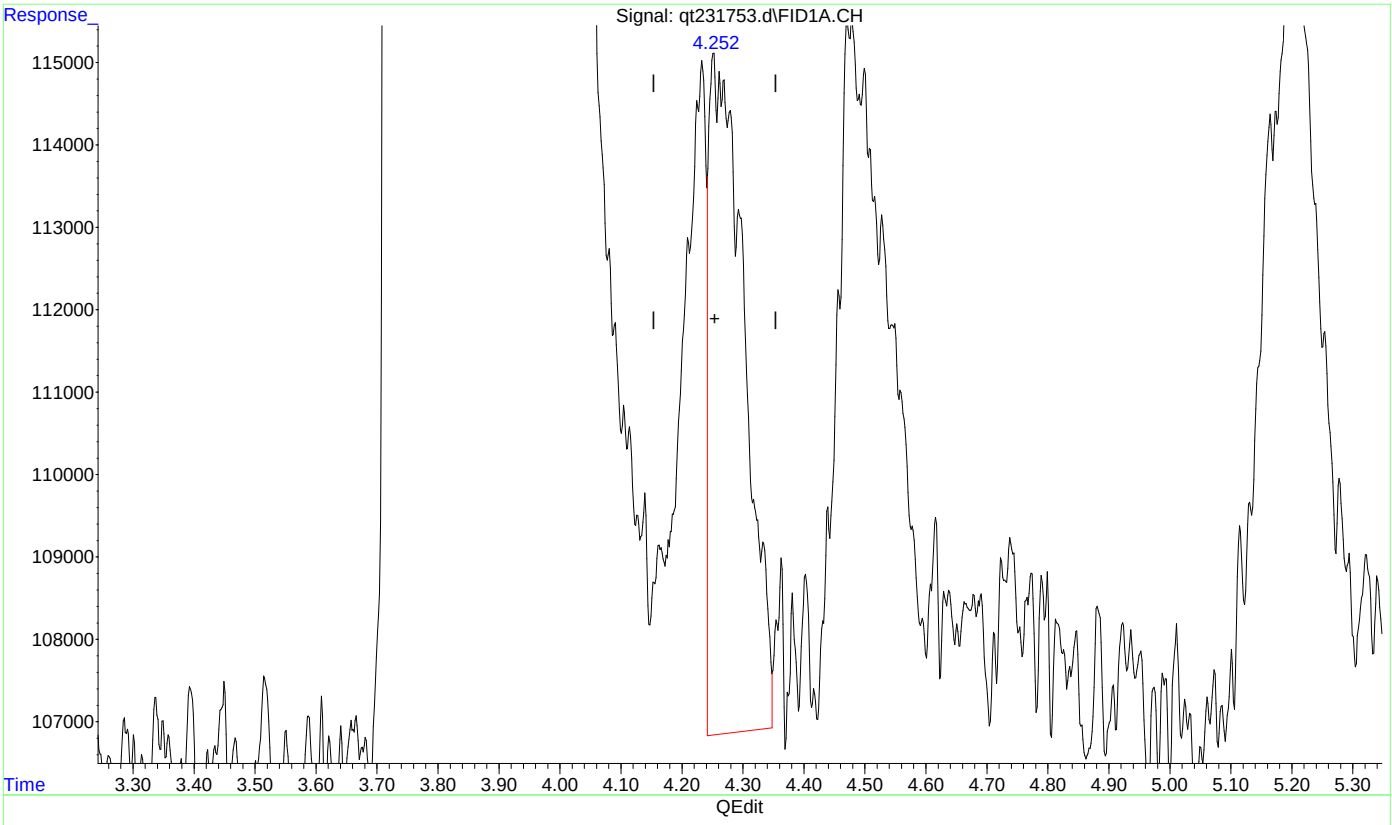
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:32:43 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(13) PROPANE #2

4.252min 0.368 PPMV

response 332928

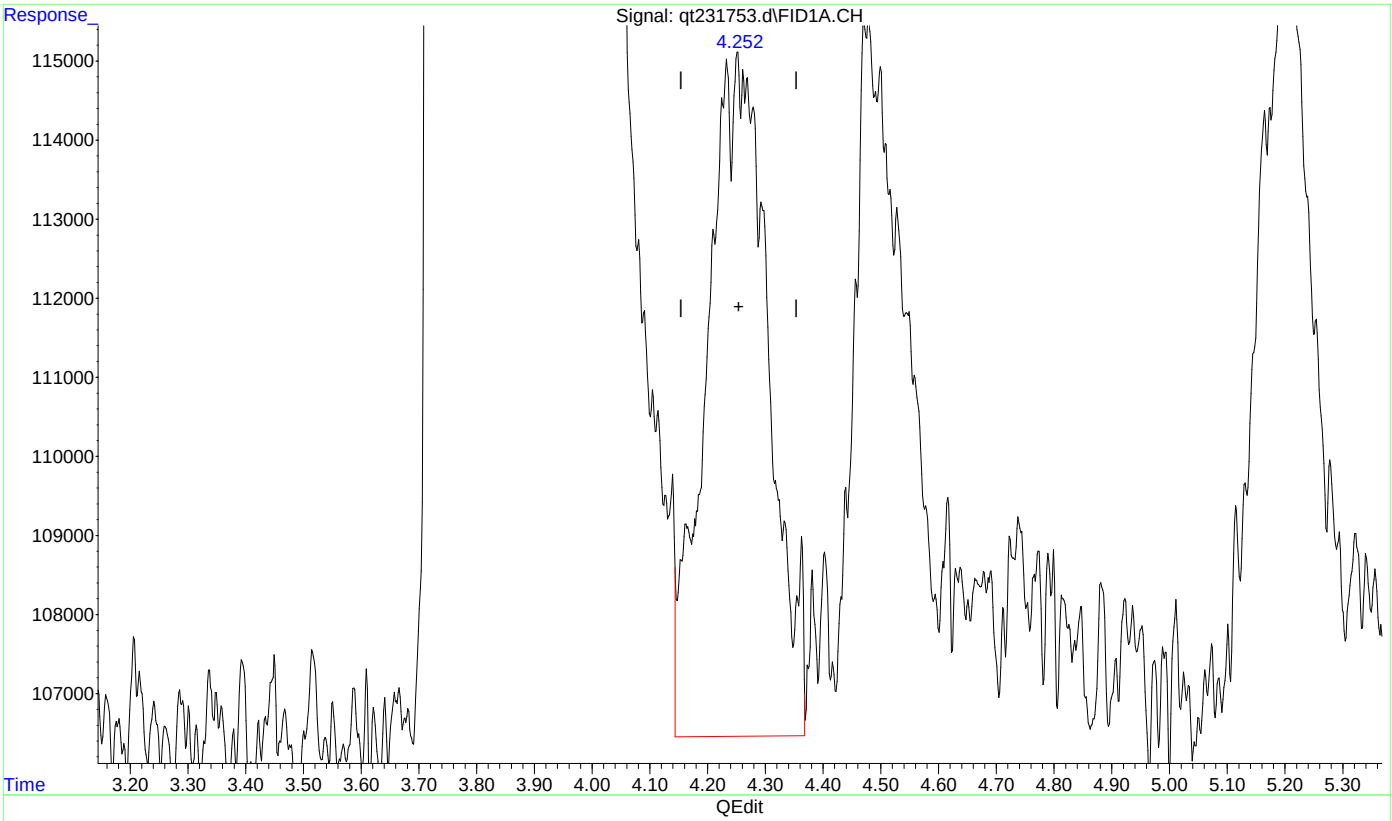
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:33:12 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(13) PROPANE #2

4.252min 0.718 PPMV m

response 650081

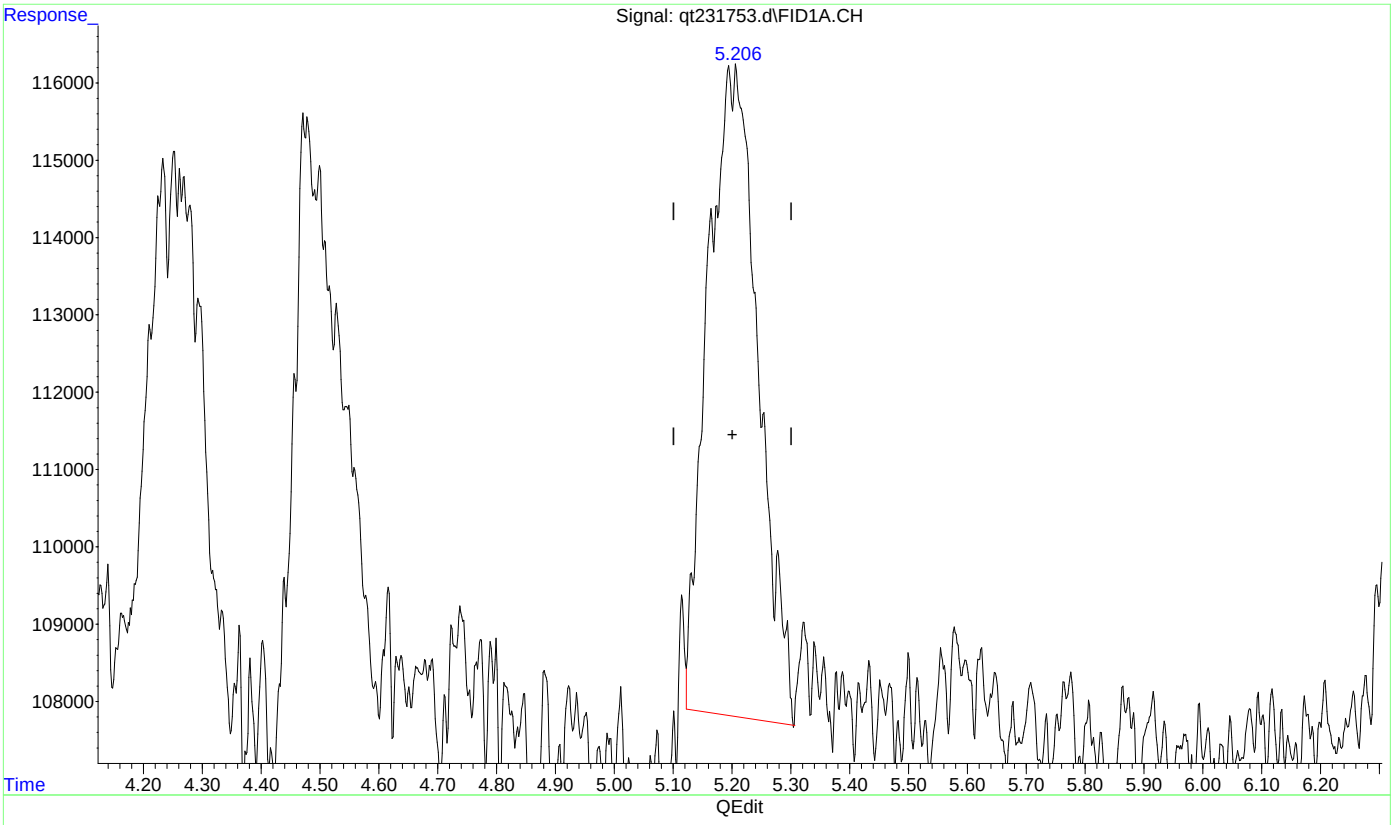
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:33:36 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(14) n-BUTANE #2

5.195min 0.410 PPMV

response 502740

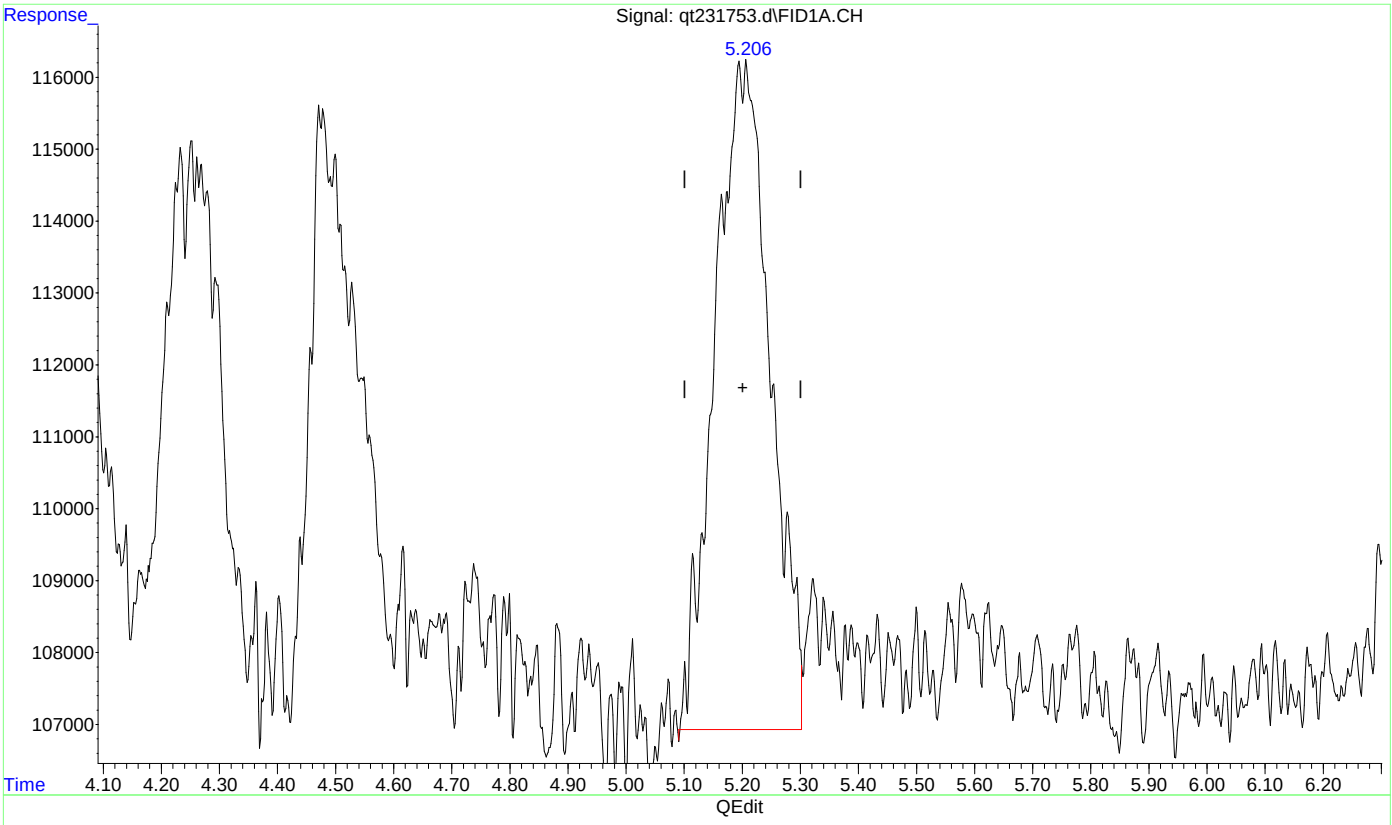
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:33:44 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(14) n-BUTANE #2

5.206min 0.502 PPMV m

response 616082

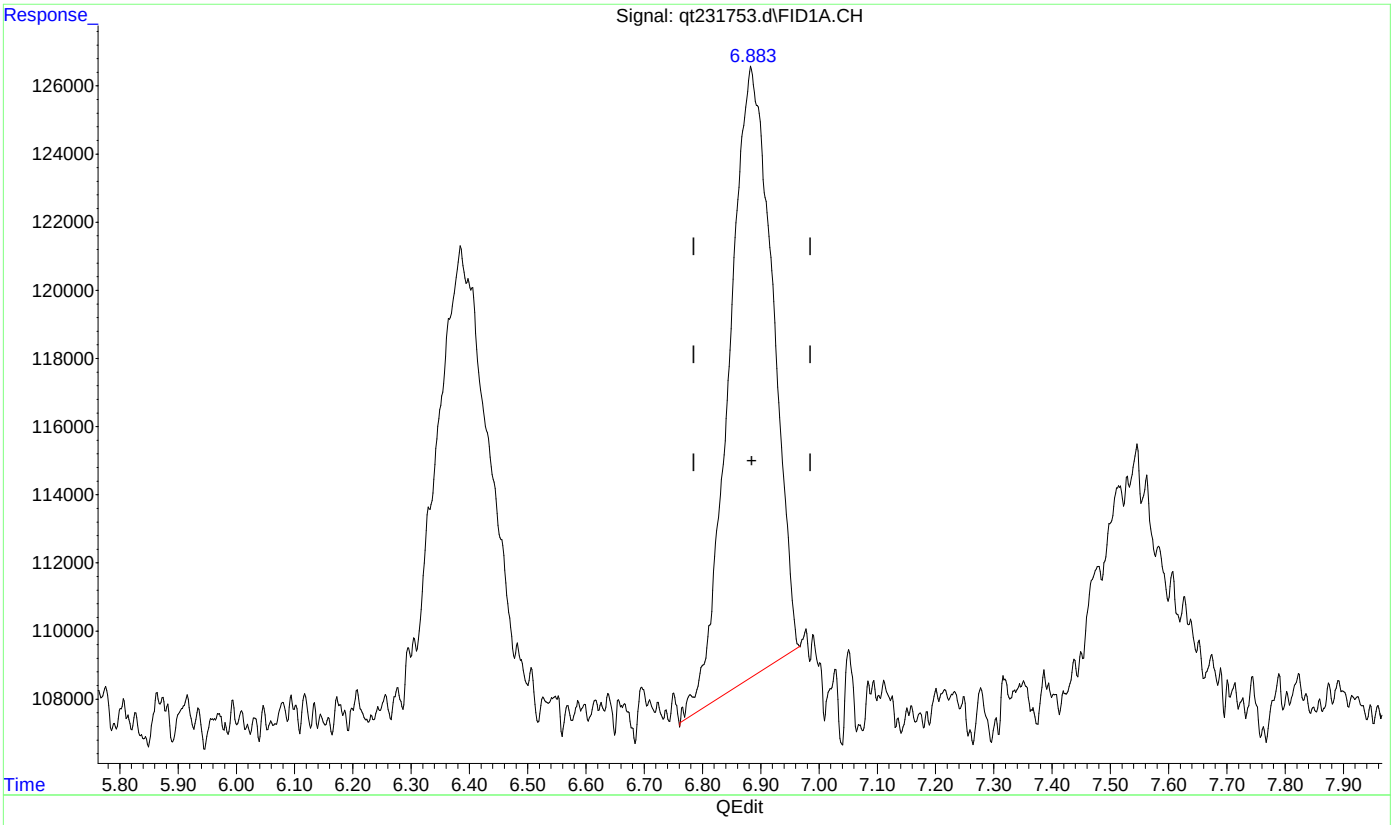
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:34:03 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(15) PENTANE #2

6.883min 0.642 PPMV

response 928904

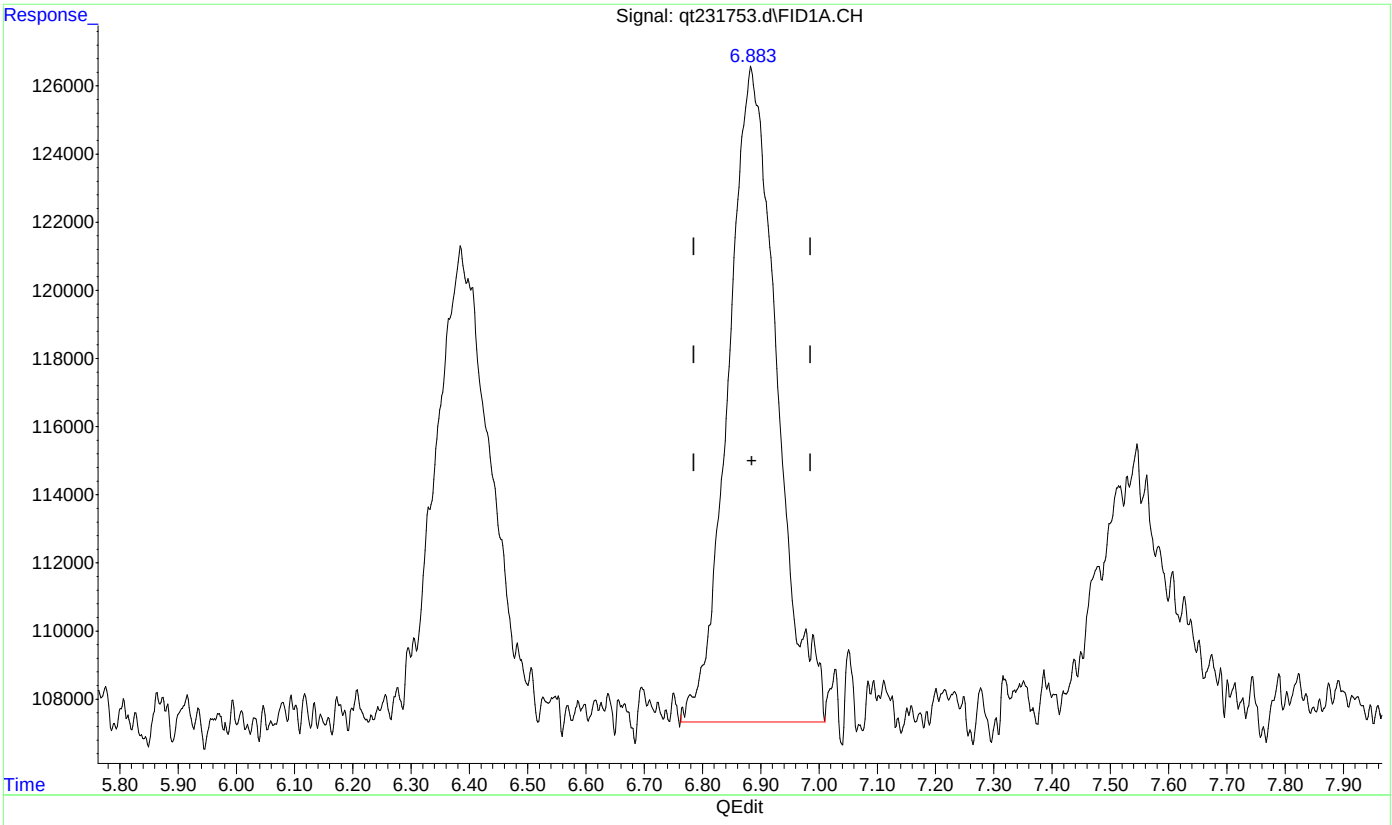
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:34:12 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(15) PENTANE #2

6.883min 0.771 PPMV m

response 1115715

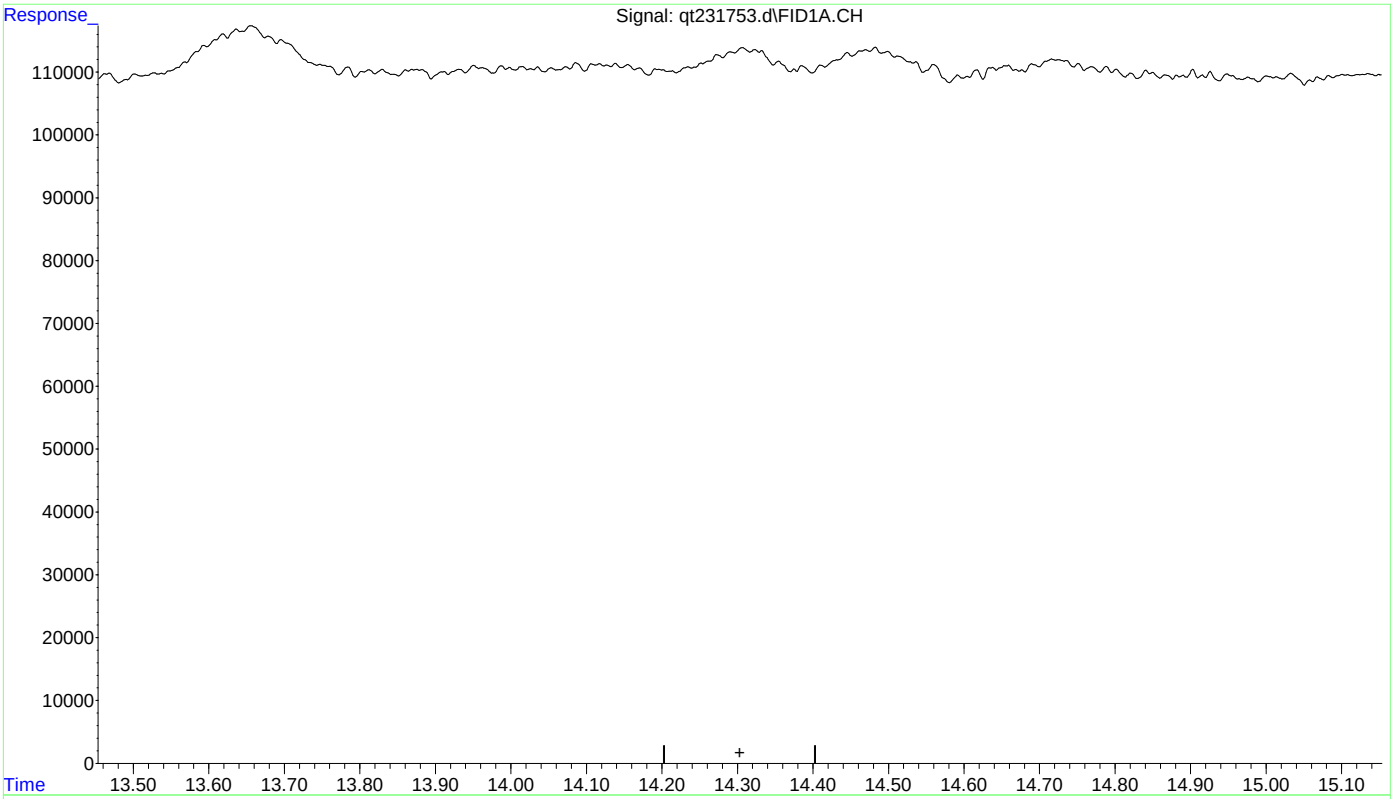
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:34:26 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 06-Jan-25, 11:22:17
Operator : williamc
Sample   : je3098-1dup
Misc   : GC64244,GQT3106,,,,,1.12
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(20) TOLUENE #2

14.303min 0.000 PPMV

response 0

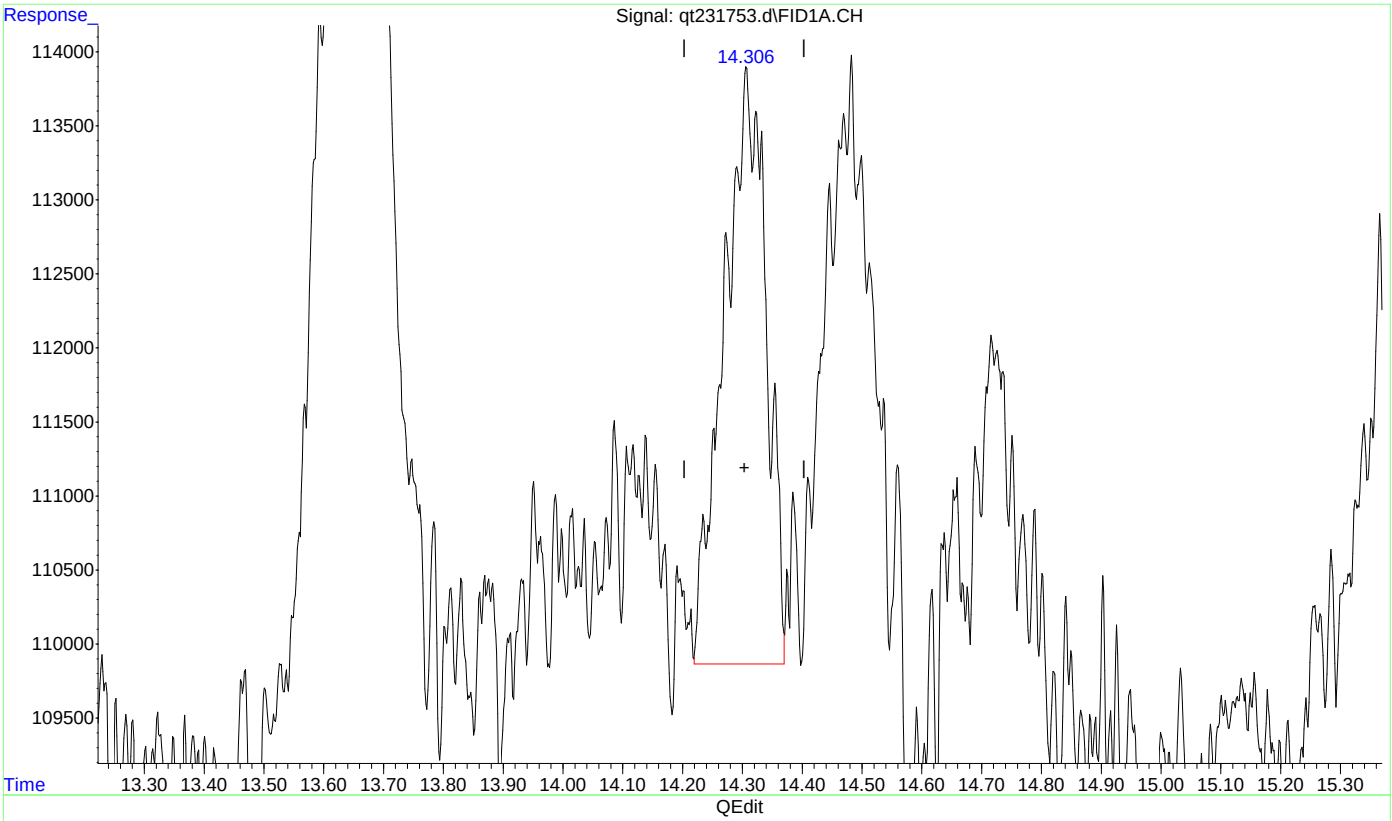
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:34:39 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(20) TOLUENE #2

14.306min 0.116 PPMV m

response 197655

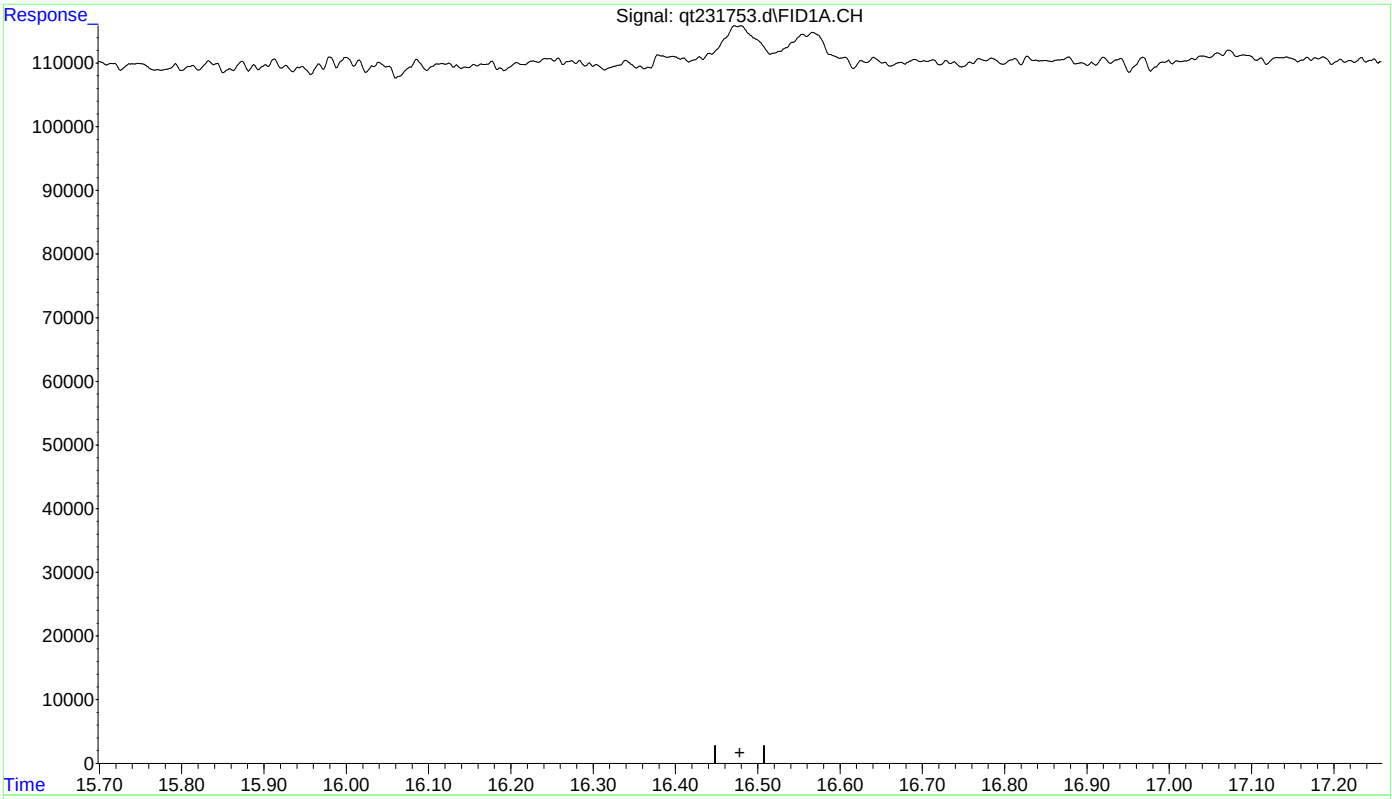
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:34:57 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(21) ETHYLBENZENE #2

16.478min 0.000 PPMV

response 0

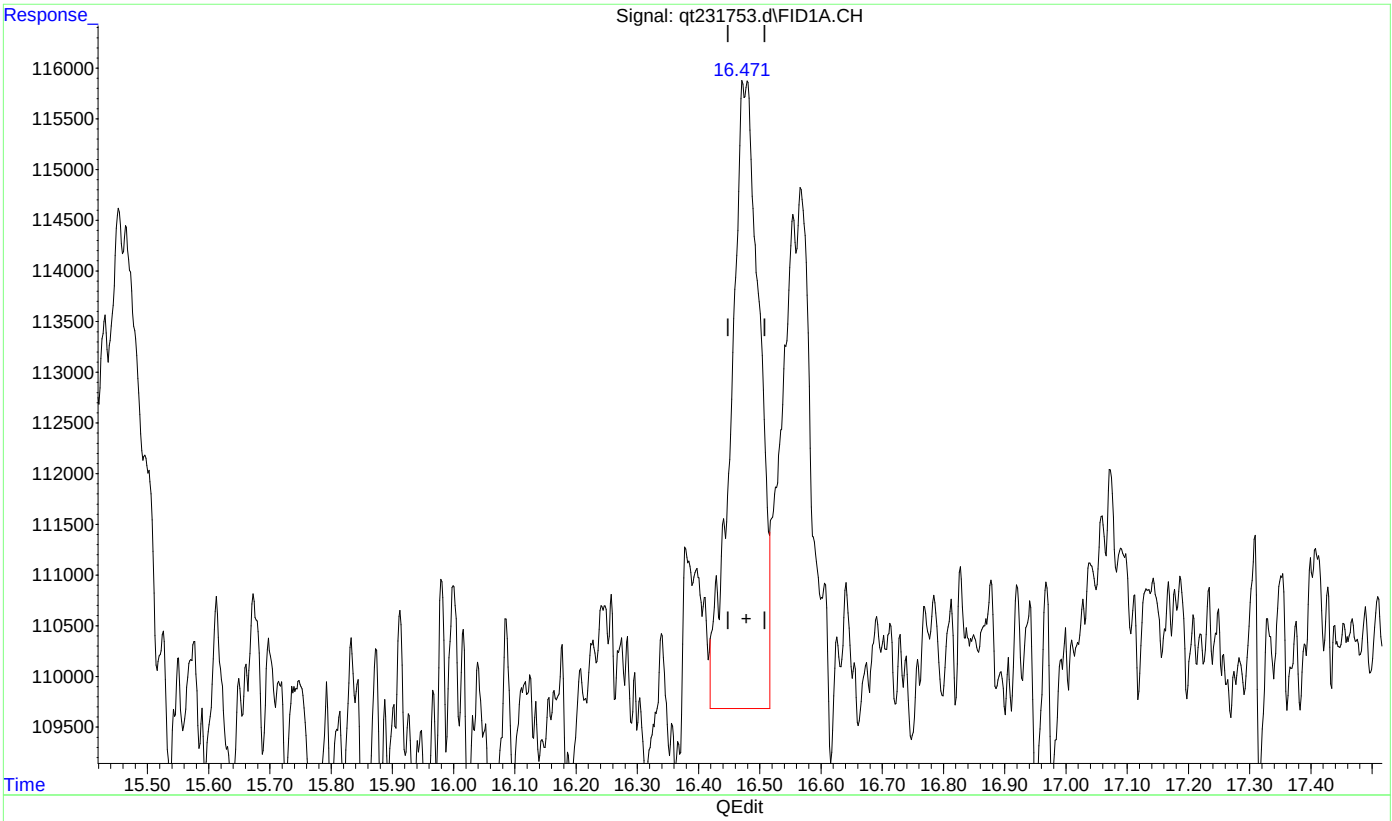
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:35:22 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(21) ETHYLBENZENE #2

16.471min 0.108 PPMV m

response 198728

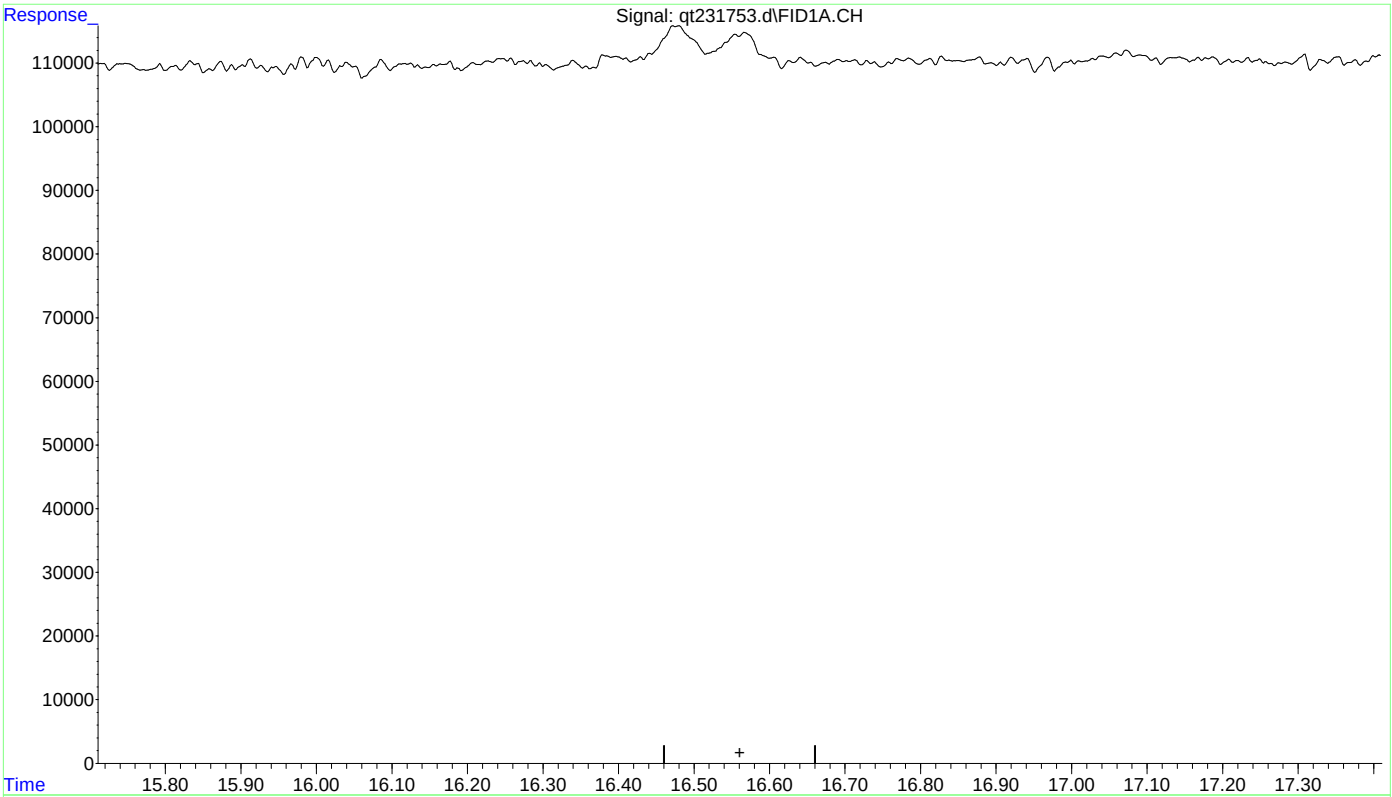
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:35:36 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 06-Jan-25, 11:22:17
Operator : williamc
Sample   : je3098-1dup
Misc   : GC64244,GQT3106,,,,,1.12
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(22) m,p-XYLENE #2

16.561min 0.000 PPMV

response 0

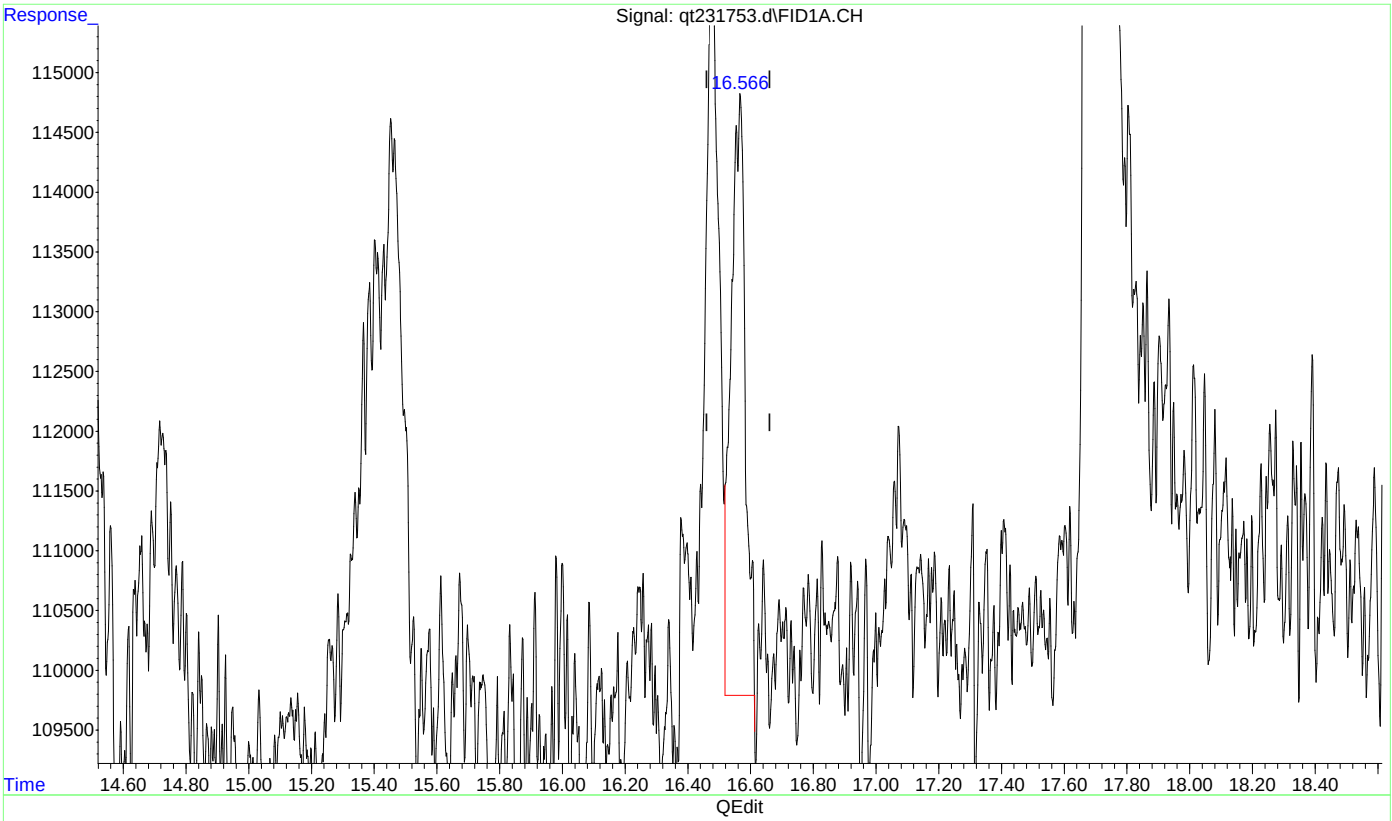
(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:35:47 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231753.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:22:17
Operator : williamc
Sample : je3098-1dup
Misc : GC64244,GQT3106,,,,,1.12
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:08:17 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(22) m,p-XYLENE #2

16.566min 0.077 PPMV m

response 160227

(+) = Expected Retention Time
MQT3105.M Mon Jan 06 13:36:12 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231783.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 17:17:43
Operator : williamc
Sample : je3522-1dup
Misc : GC64264,GQT3108,,,,,1.6
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:13:19 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.690	2532618	9.434 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	94.34%
26) s 4-Bromofluorobenzene #2	17.692	2575134	7.854 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	78.54%
Target Compounds			

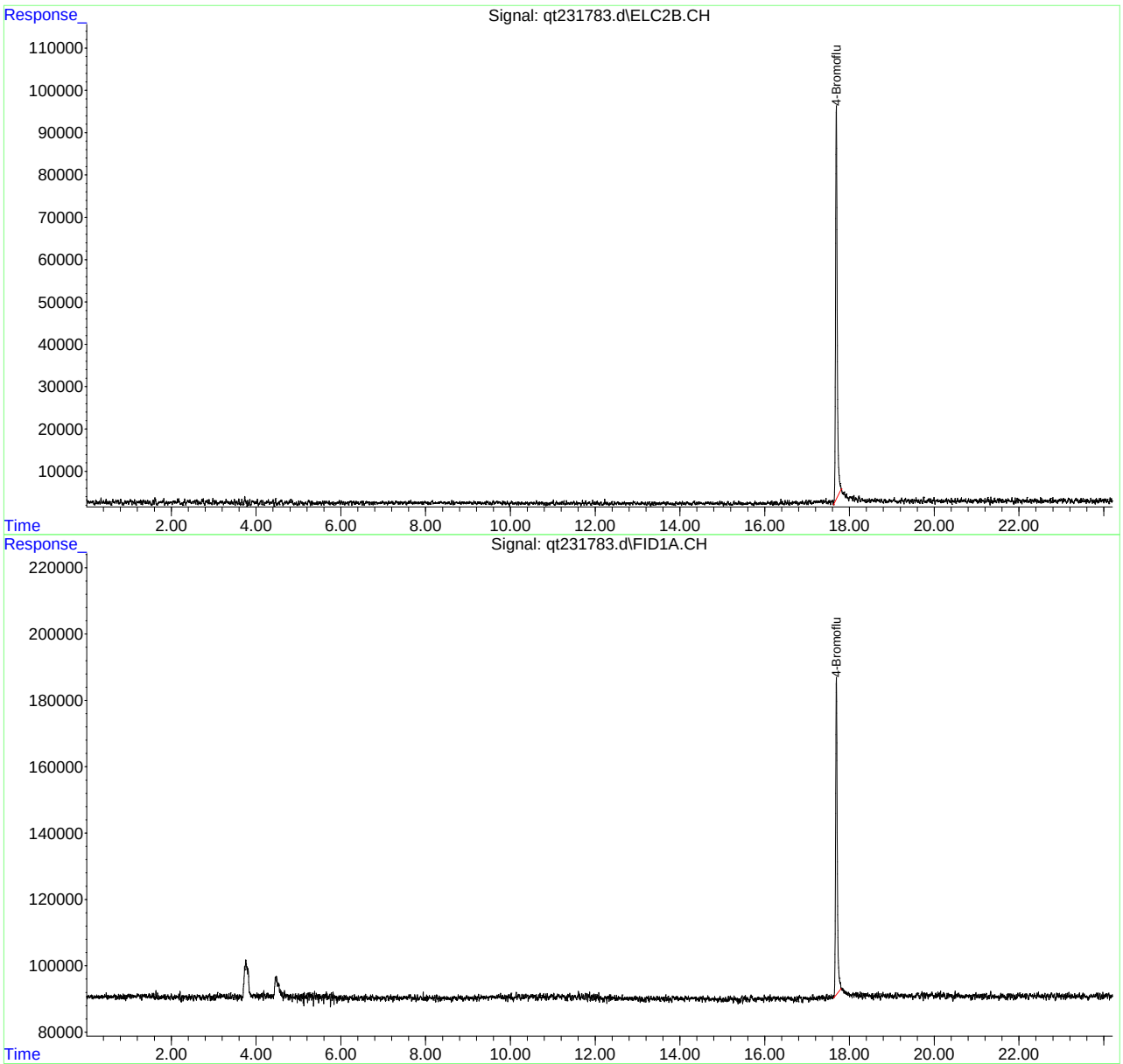
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231783.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 17:17:43
Operator : williamc
Sample : je3522-1dup
Misc : GC64264,GQT3108,,,,,1.6
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:13:19 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/06/25 21:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:56:10 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.693	2622506	9.344 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	93.44%	
26) s	4-Bromofluorobenzene #2	17.694	2989908	9.704 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	97.04%	
	Target Compounds			
2)	BENZENE	11.220	47415	0.058 PPMV m
3)	TOLUENE	14.317	41197	0.051 PPMV m
4)	ETHYLBENZENE	16.477	41547	0.058 PPMV m
5)	m,p-XYLENE	16.559	131212	0.132 PPMV m
6)	o-XYLENE	17.079	50779	0.067 PPMV m
19)	BENZENE #2	11.195	63084	0.036 PPMV m
20)	TOLUENE #2	14.281	72204	0.041 PPMV m
21)	ETHYLBENZENE #2	16.470	120875	0.067 PPMV m
22)	m,p-XYLENE #2	16.563	303308	0.152 PPMV m
23)	o-XYLENE #2	17.415f	57092	0.030 PPMV m

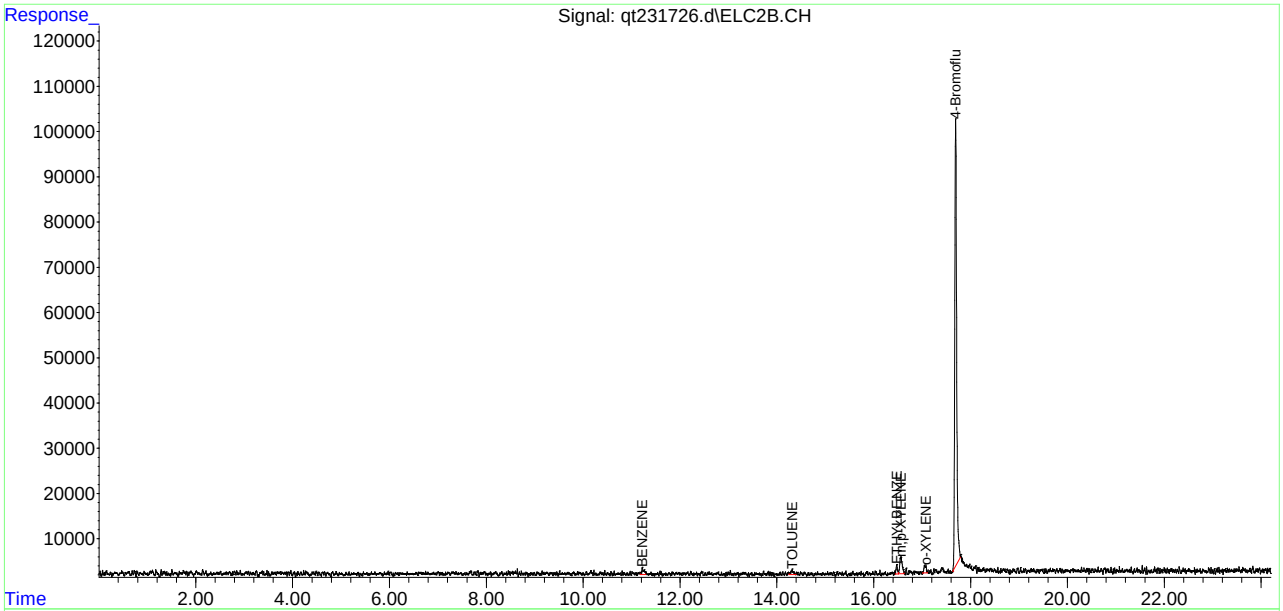
(f)=RT Delta > 1/2 Window (m)=manual int.

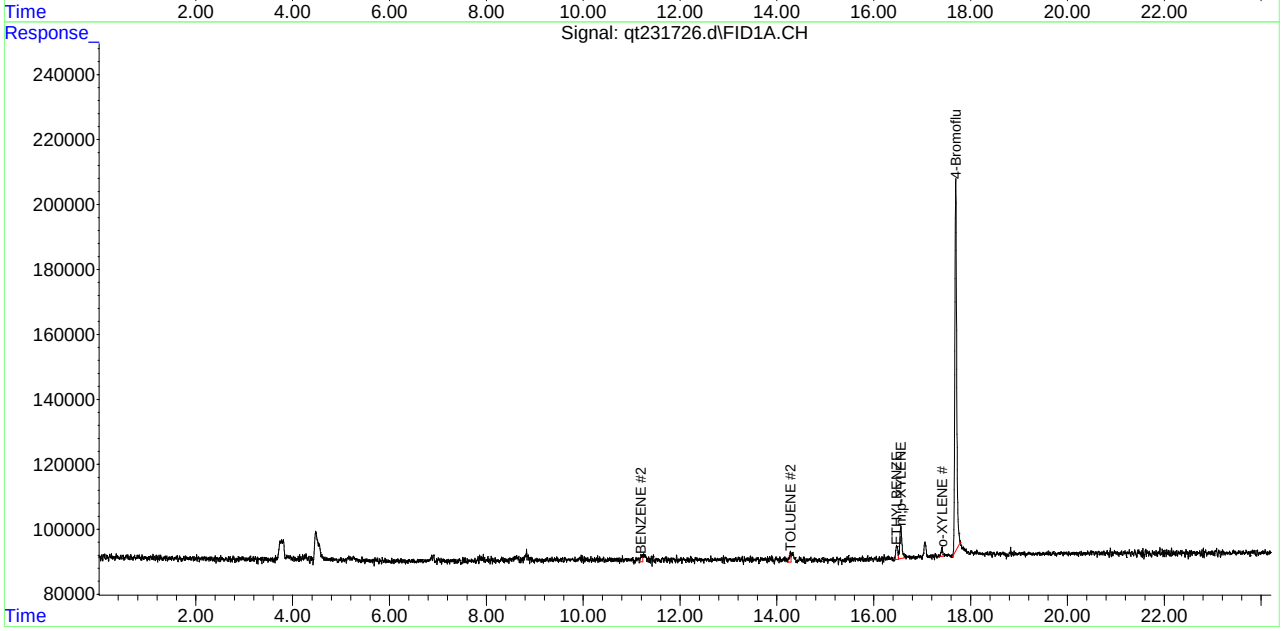
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:56:10 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number: GQT3105-IC3105 **Method:** EPA TO-3
Lab FileID: QT231726.D **Analyst approved:** 01/06/25 16:49 William Cruser
Injection Time: 01/03/25 15:18 **Supervisor approved:** 01/06/25 21:51 Kanya Veerawat

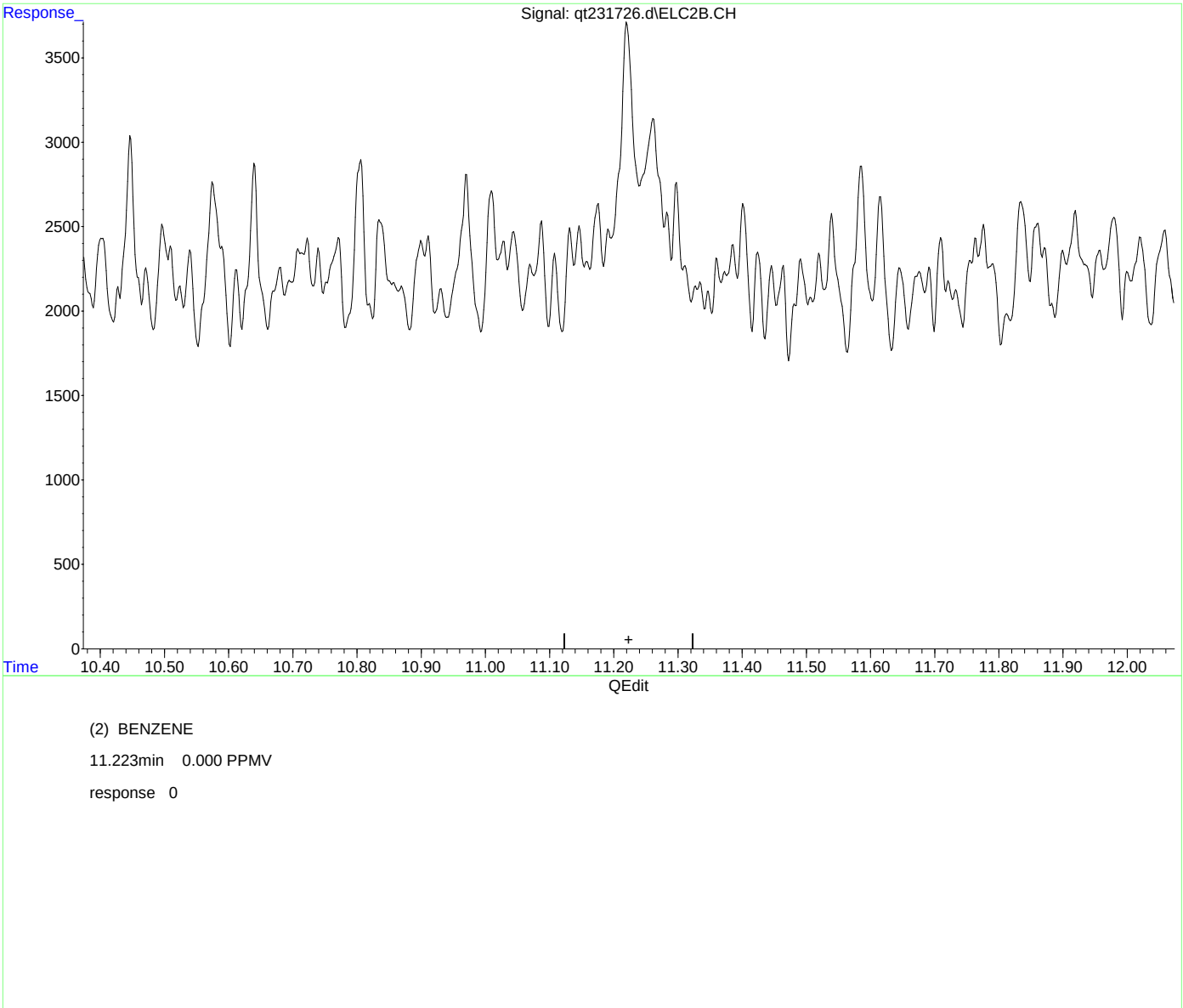
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzene	71-43-2	2	11.19	Poorly defined baseline
Benzene	71-43-2	1	11.22	Missed peak
Toluene	108-88-3	2	14.28	Missed peak
Toluene	108-88-3	1	14.32	Poorly defined baseline
Ethylbenzene	100-41-4	2	16.47	Missed peak
Ethylbenzene	100-41-4	1	16.48	Missed peak
m,p-Xylene		1	16.56	Missed peak
m,p-Xylene		2	16.56	Missed peak
o-Xylene	95-47-6	1	17.08	Missed peak
o-Xylene	95-47-6	2	17.41	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(2) BENZENE

11.223min 0.000 PPMV

response 0

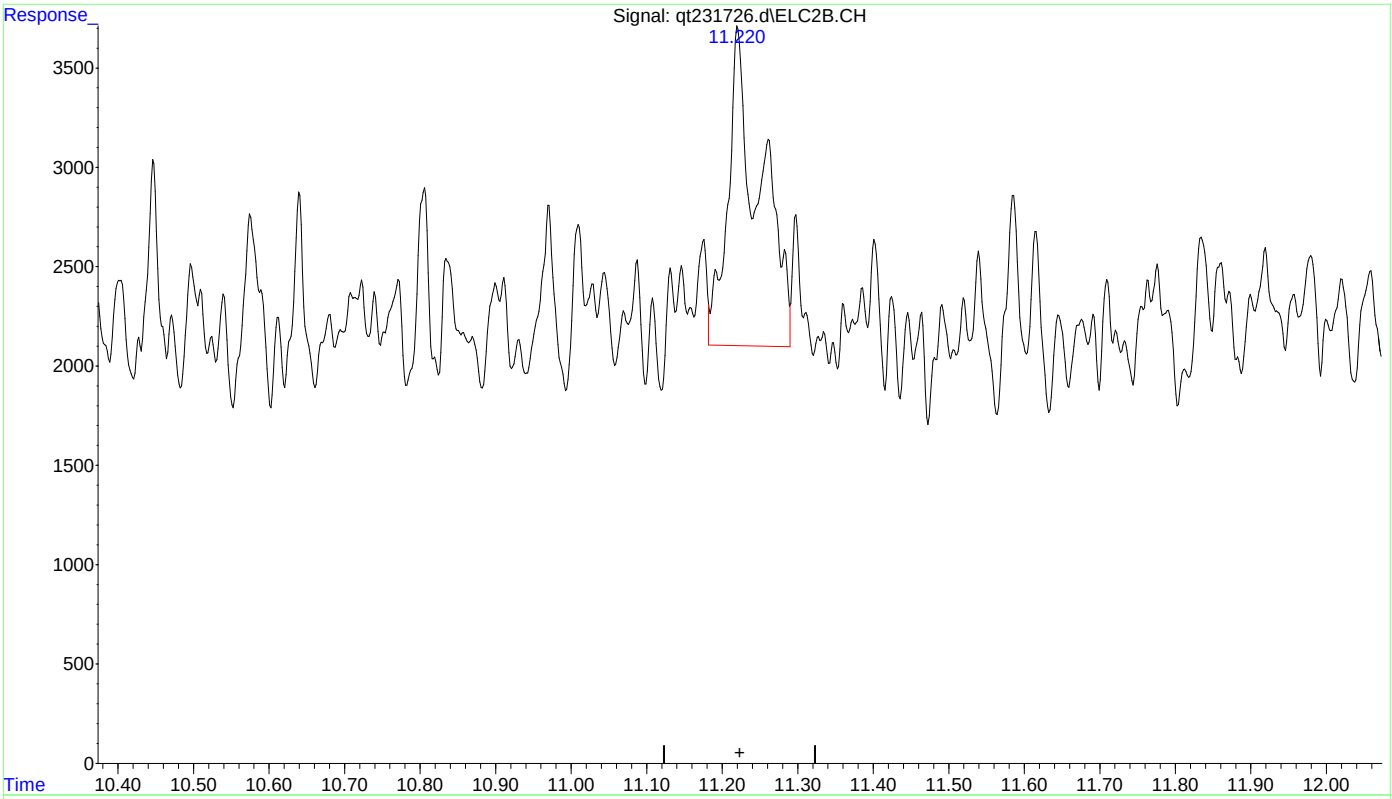
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:50:04 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(2) BENZENE

11.220min 0.058 PPMV m

response 47415

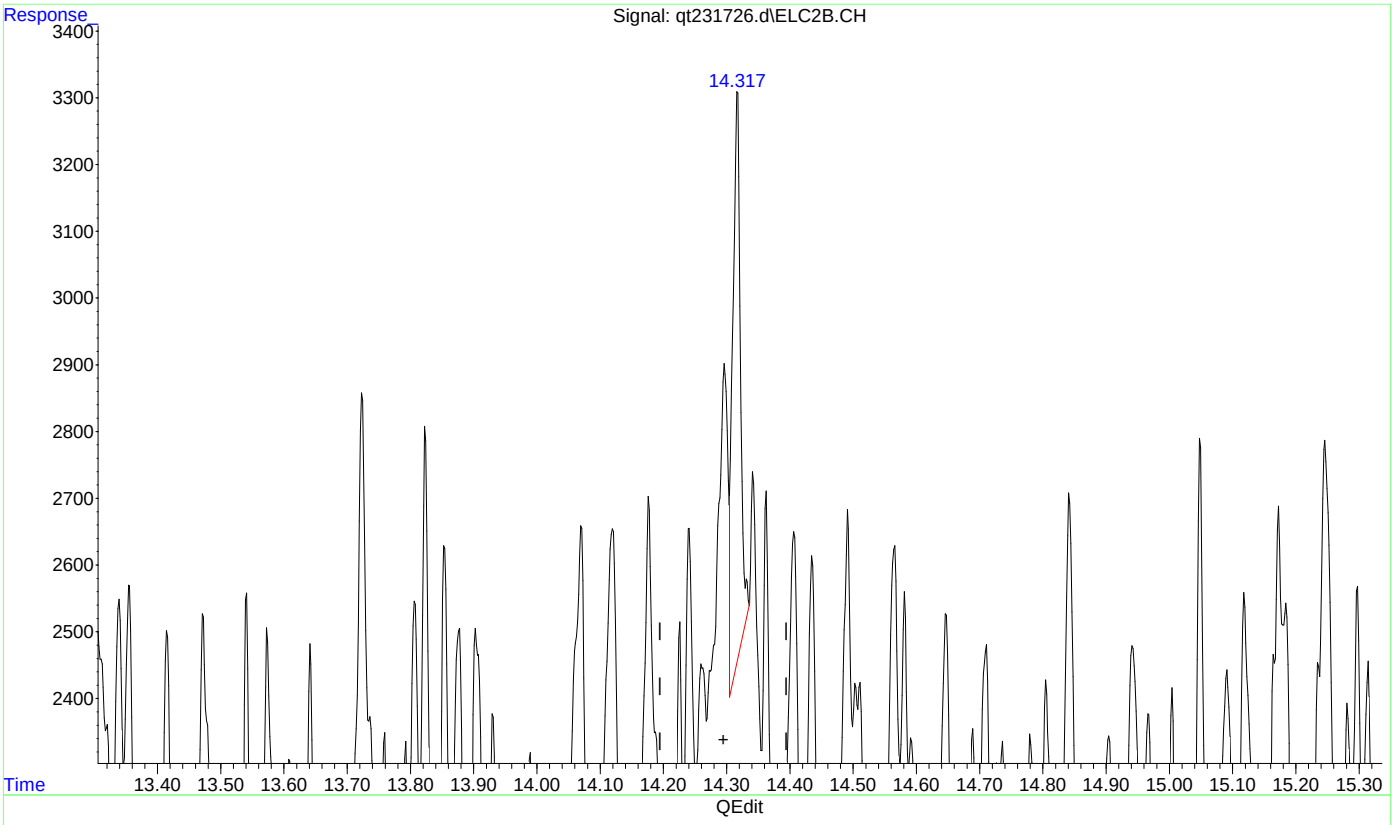
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:50:21 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(3) TOLUENE

14.317min 0.009 PPMV

response 7406

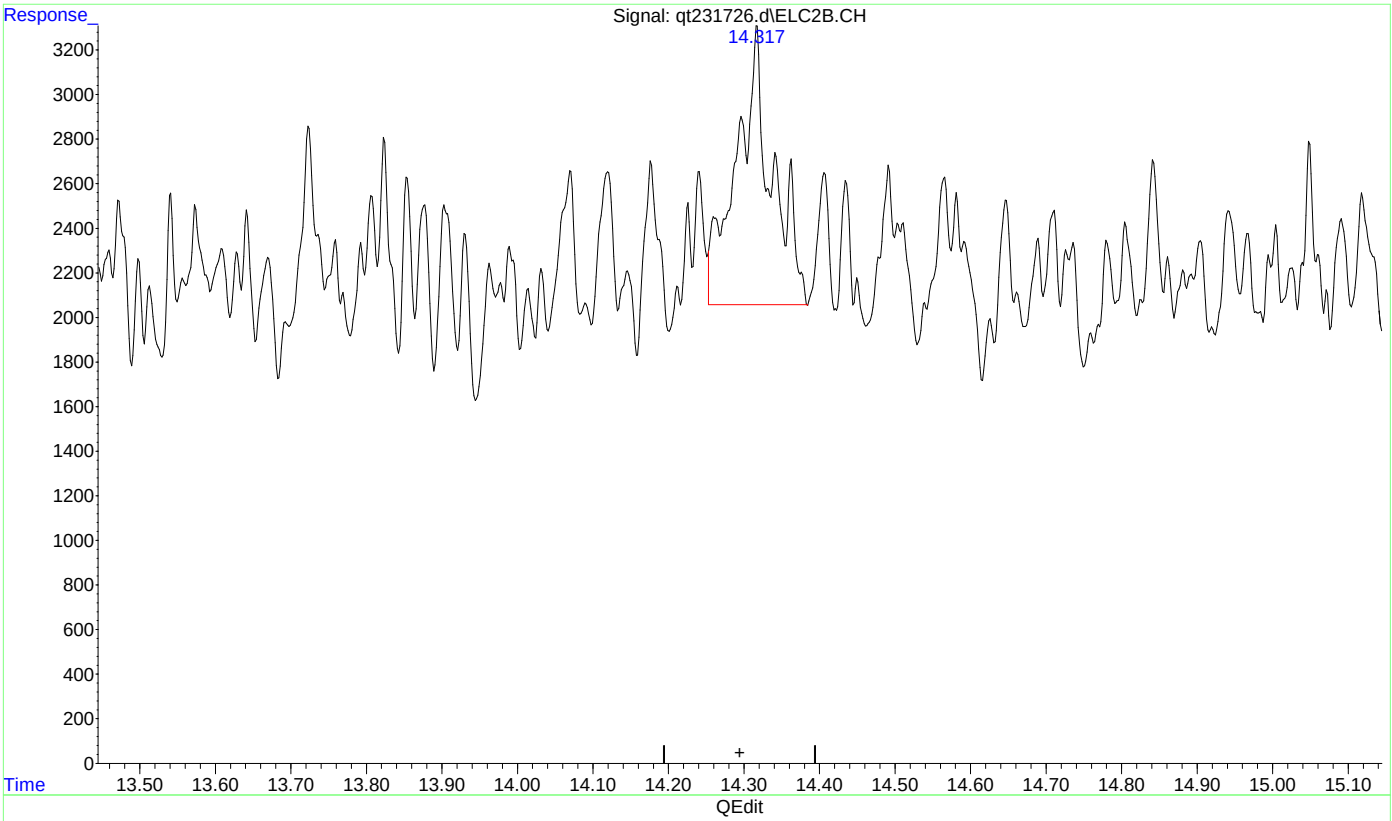
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:50:29 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(3) TOLUENE

14.317min 0.051 PPMV m

response 41197

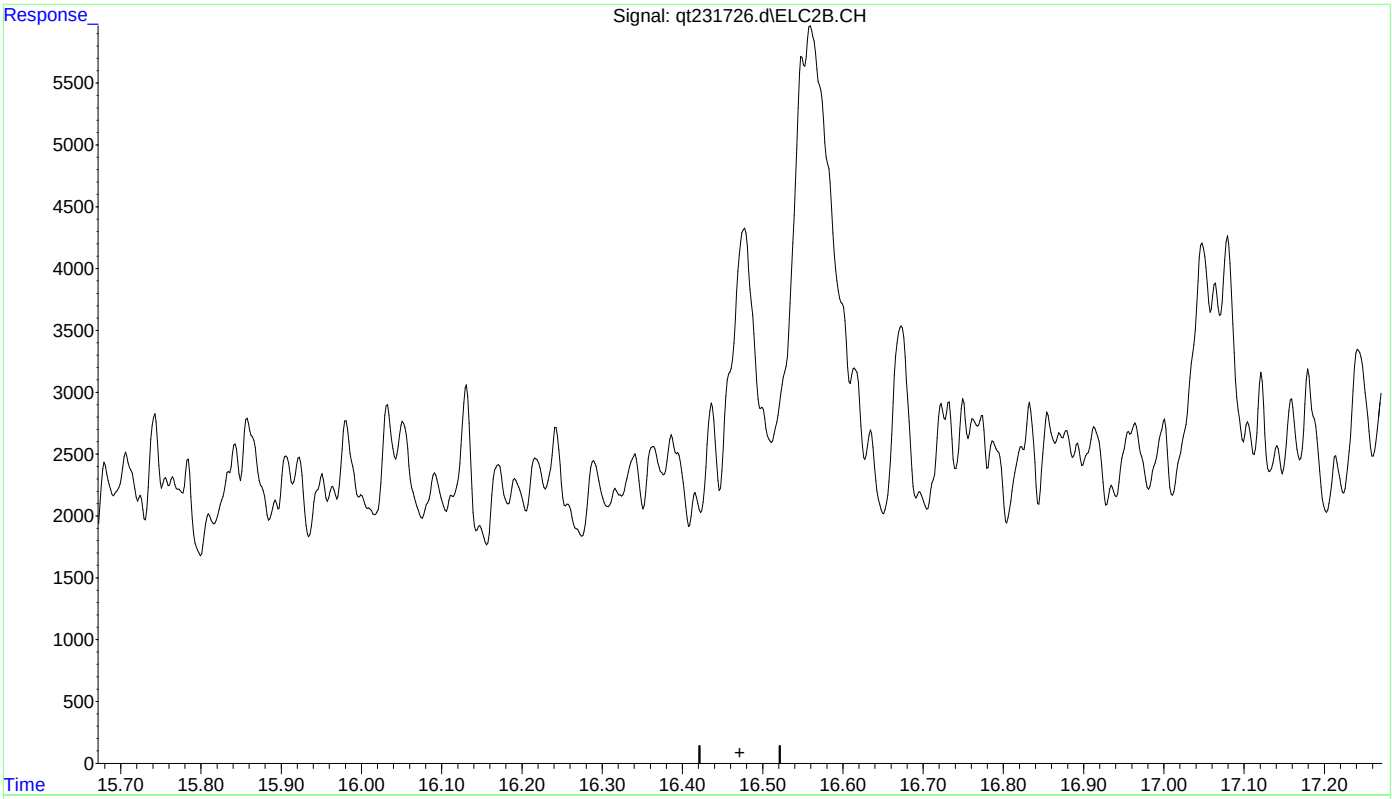
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:50:47 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(4) ETHYLBENZENE

16.472min 0.000 PPMV

response 0

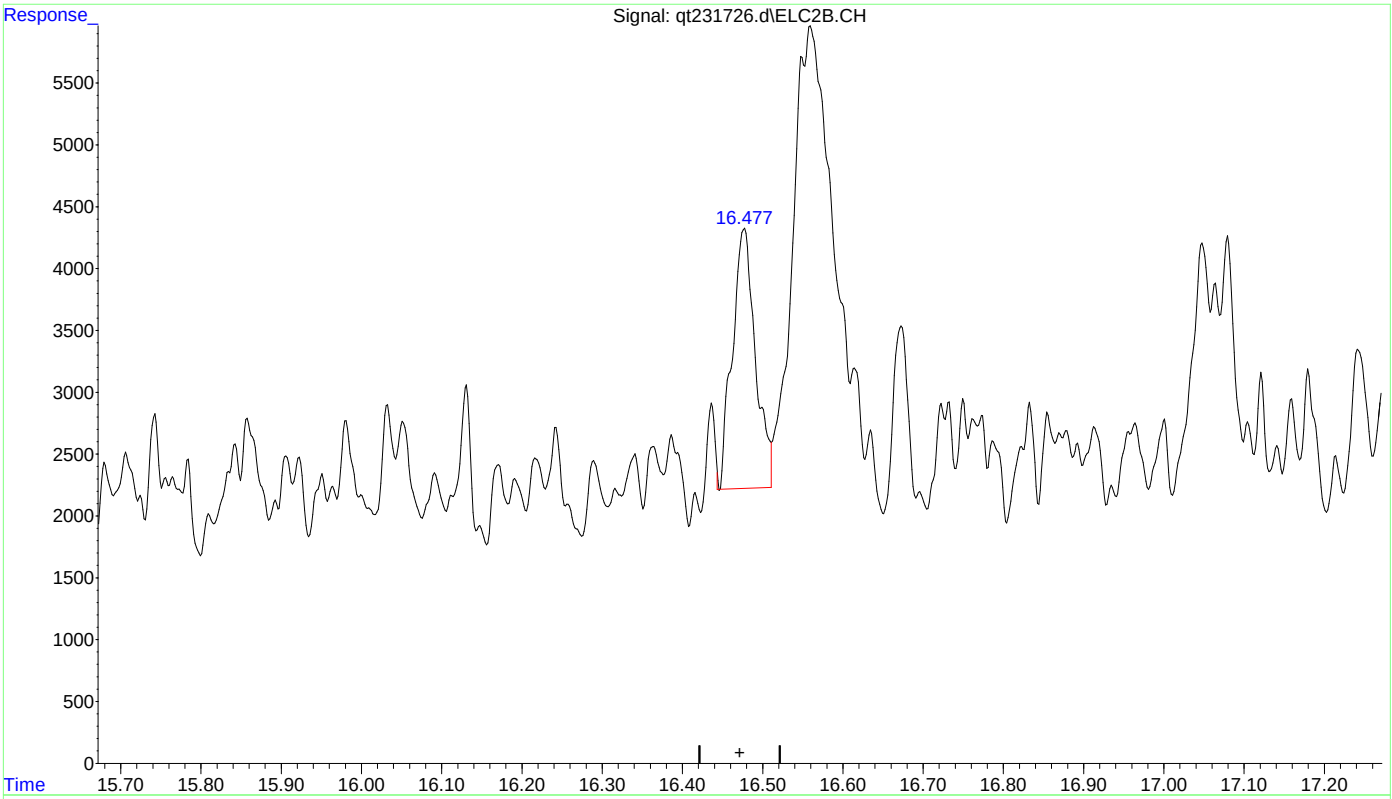
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:50:56 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(4) ETHYLBENZENE

16.477min 0.058 PPMV m

response 41547

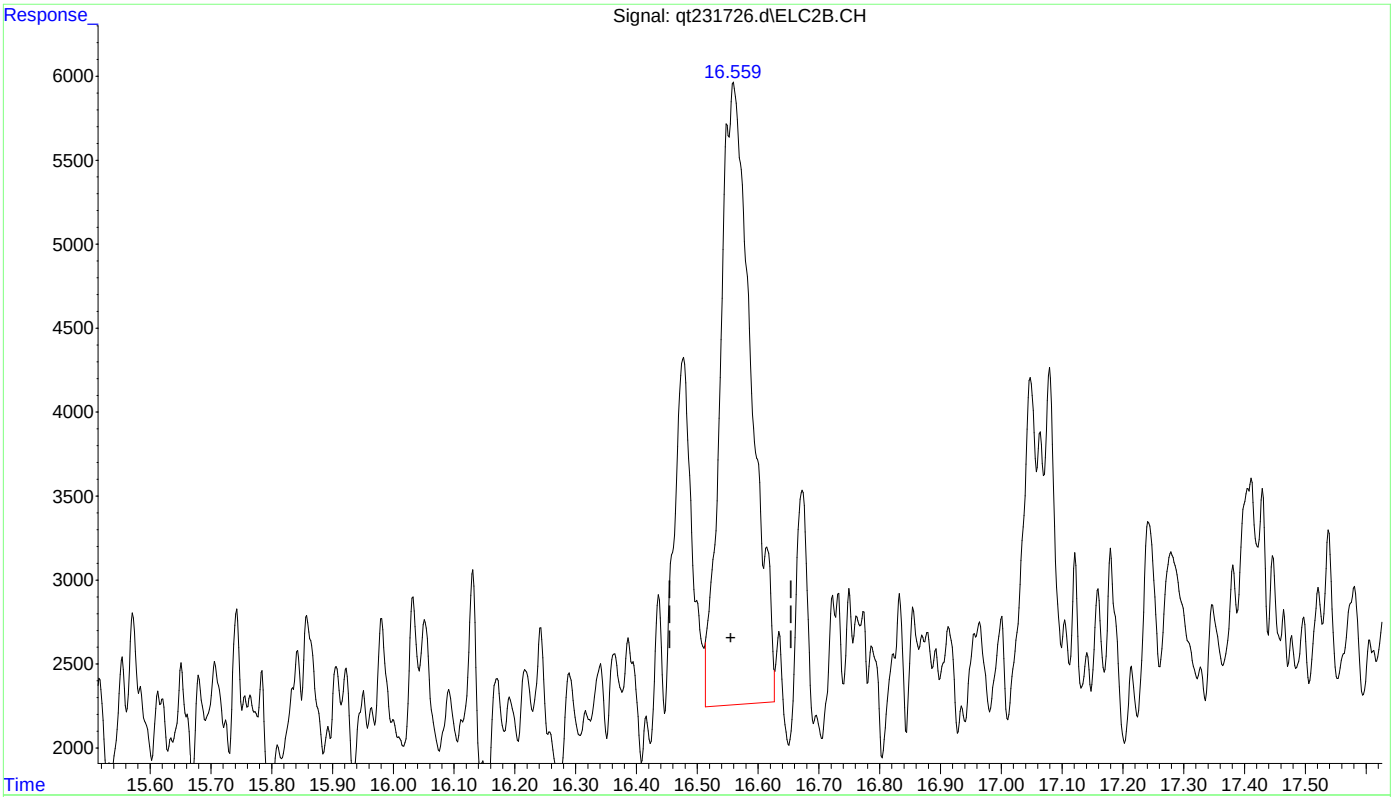
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:51:18 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(5) m,p-XYLENE

16.559min 0.132 PPMV m

response 131212

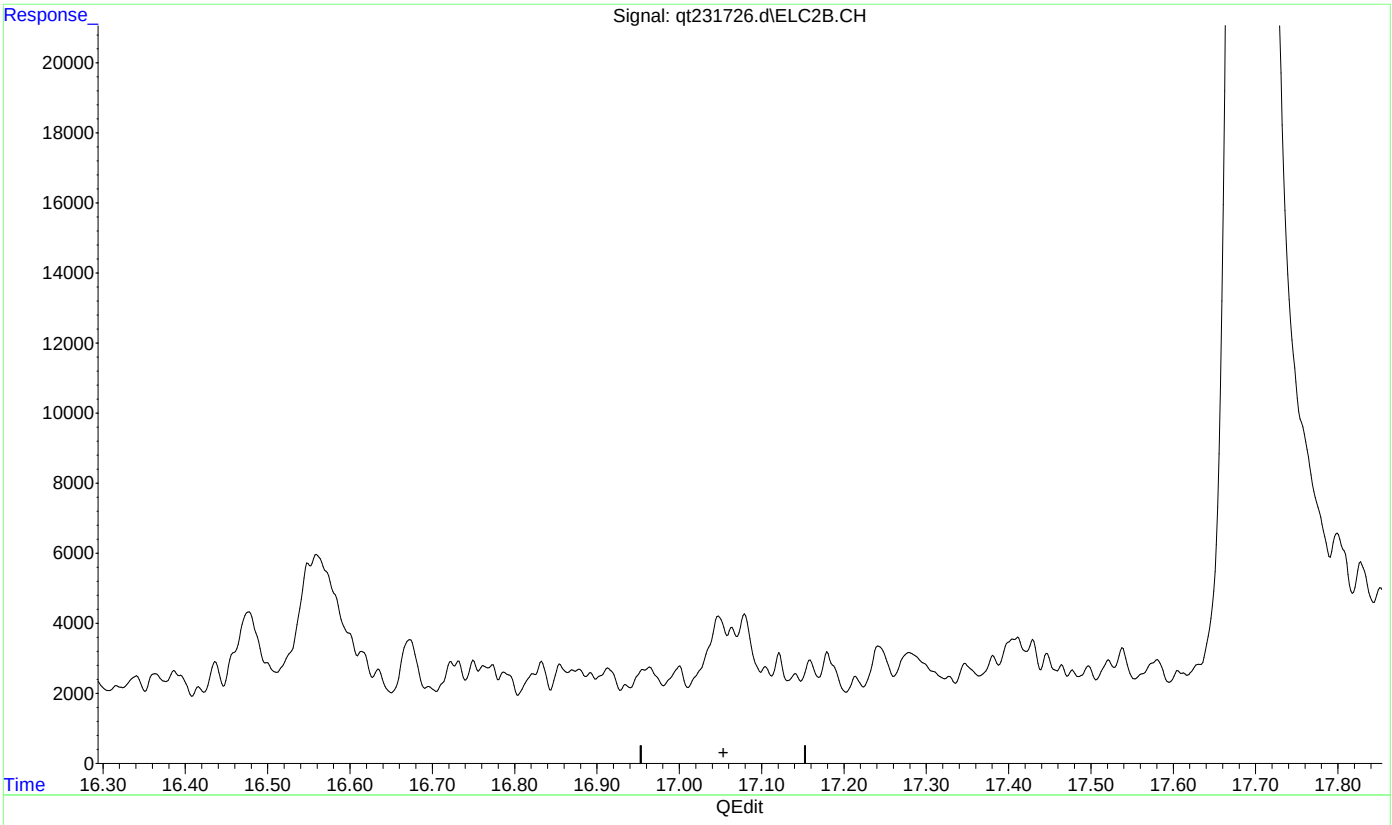
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:51:41 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 15:18:37
Operator : thomash
Sample   : ic3105-0.05
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(6) o-XYLENE

17.053min 0.000 PPMV

response 0

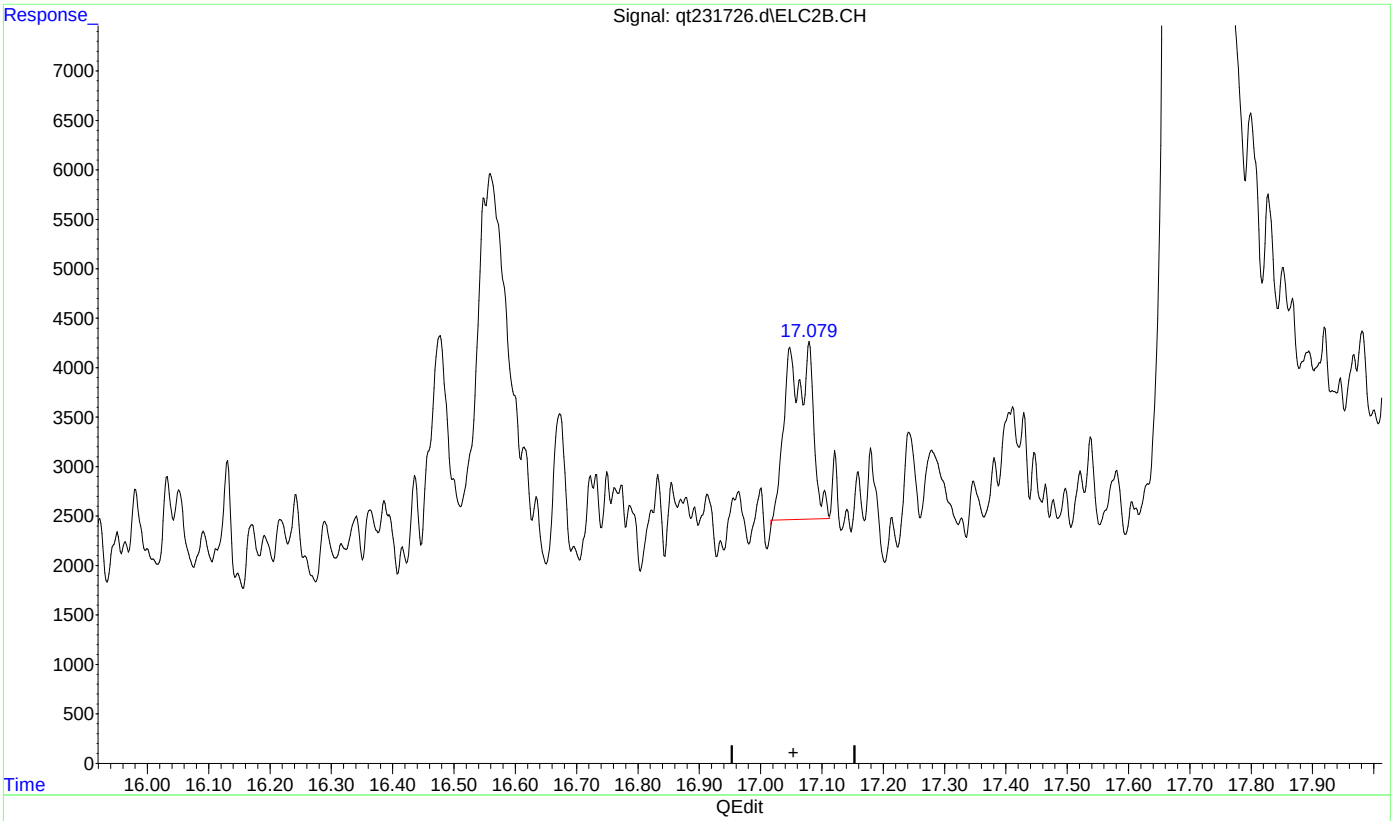
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:51:53 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 15:18:37
Operator : thomash
Sample   : ic3105-0.05
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(6) o-XYLENE

17.079min 0.067 PPMV m

response 50779

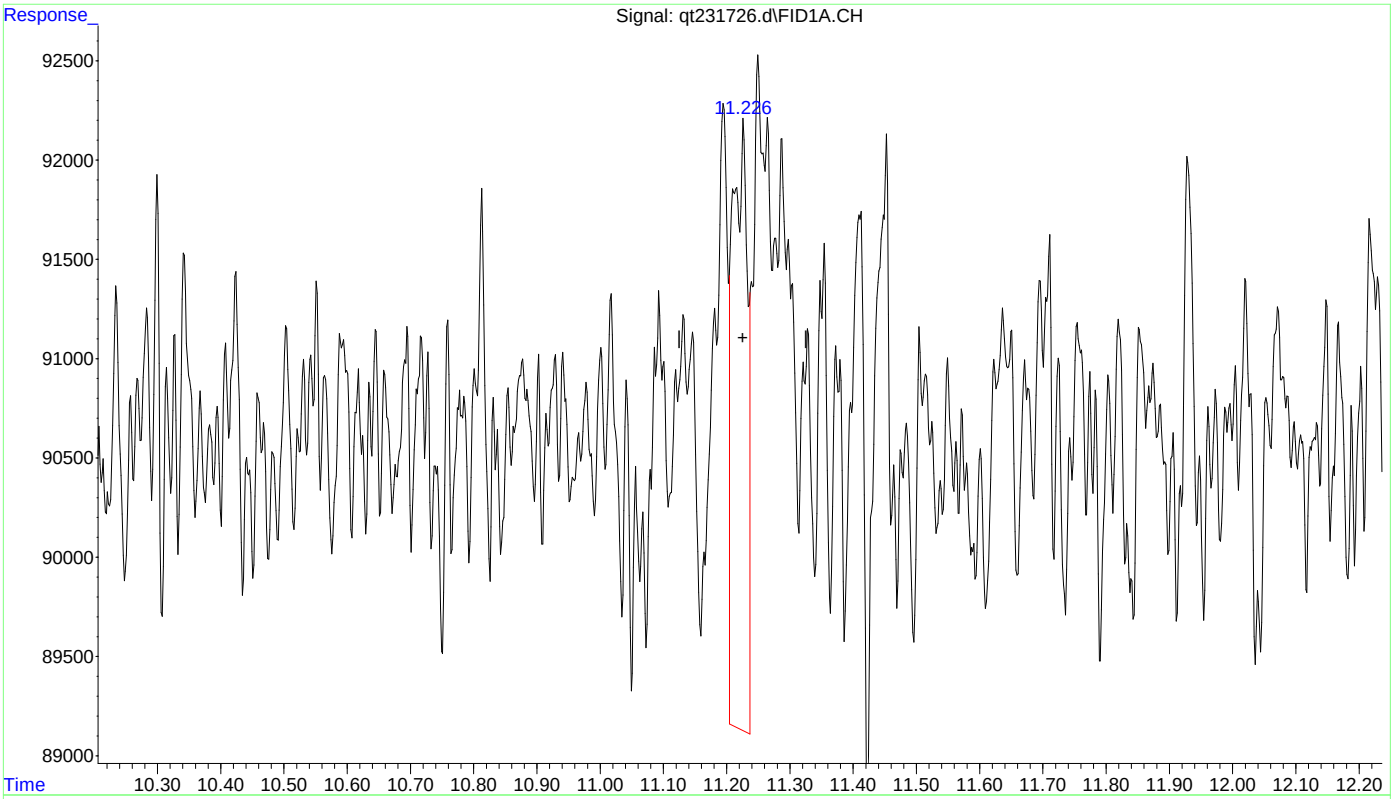
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:52:32 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(19) BENZENE #2

11.226min 0.029 PPMV

response 50991

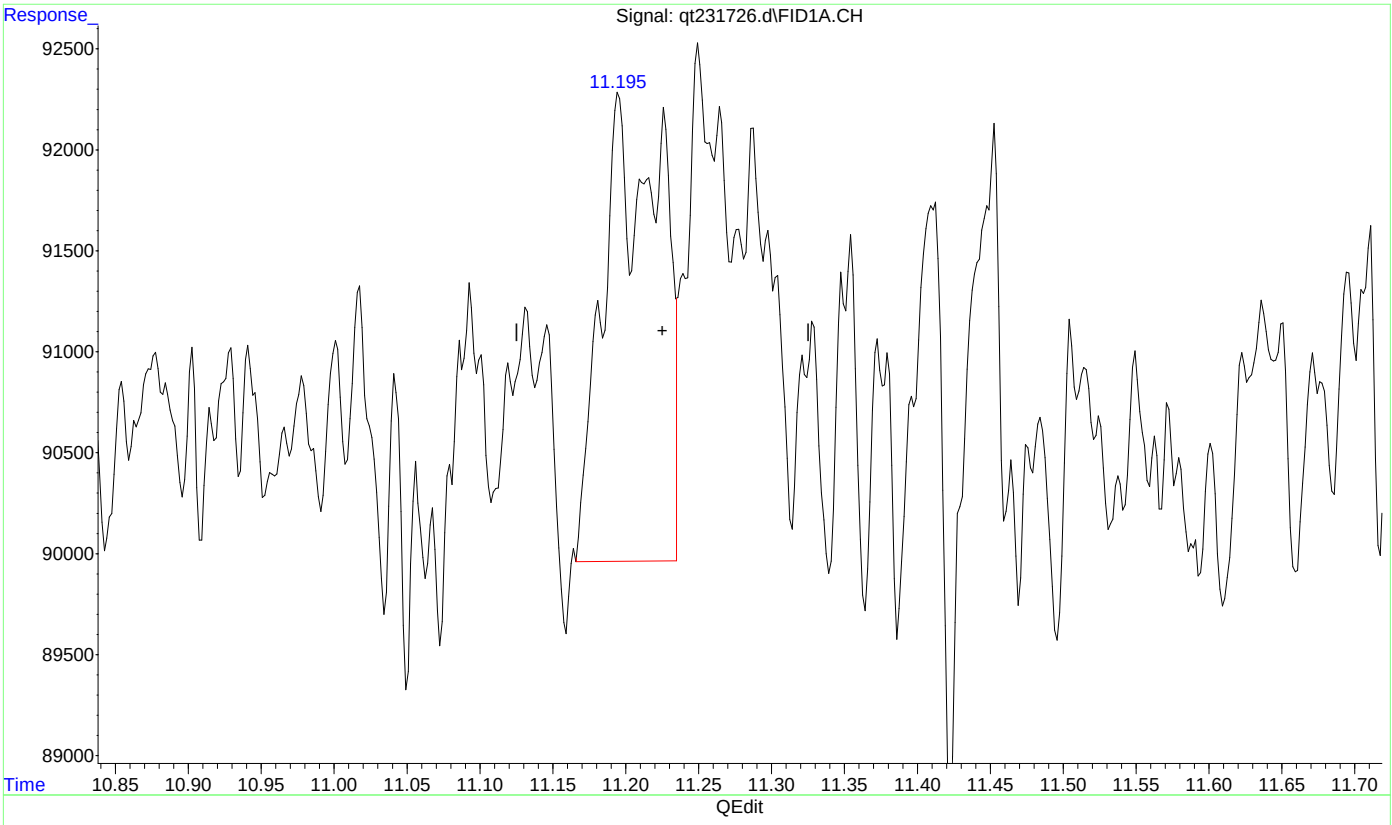
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:52:49 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(19) BENZENE #2

11.195min 0.036 PPMV m

response 63084

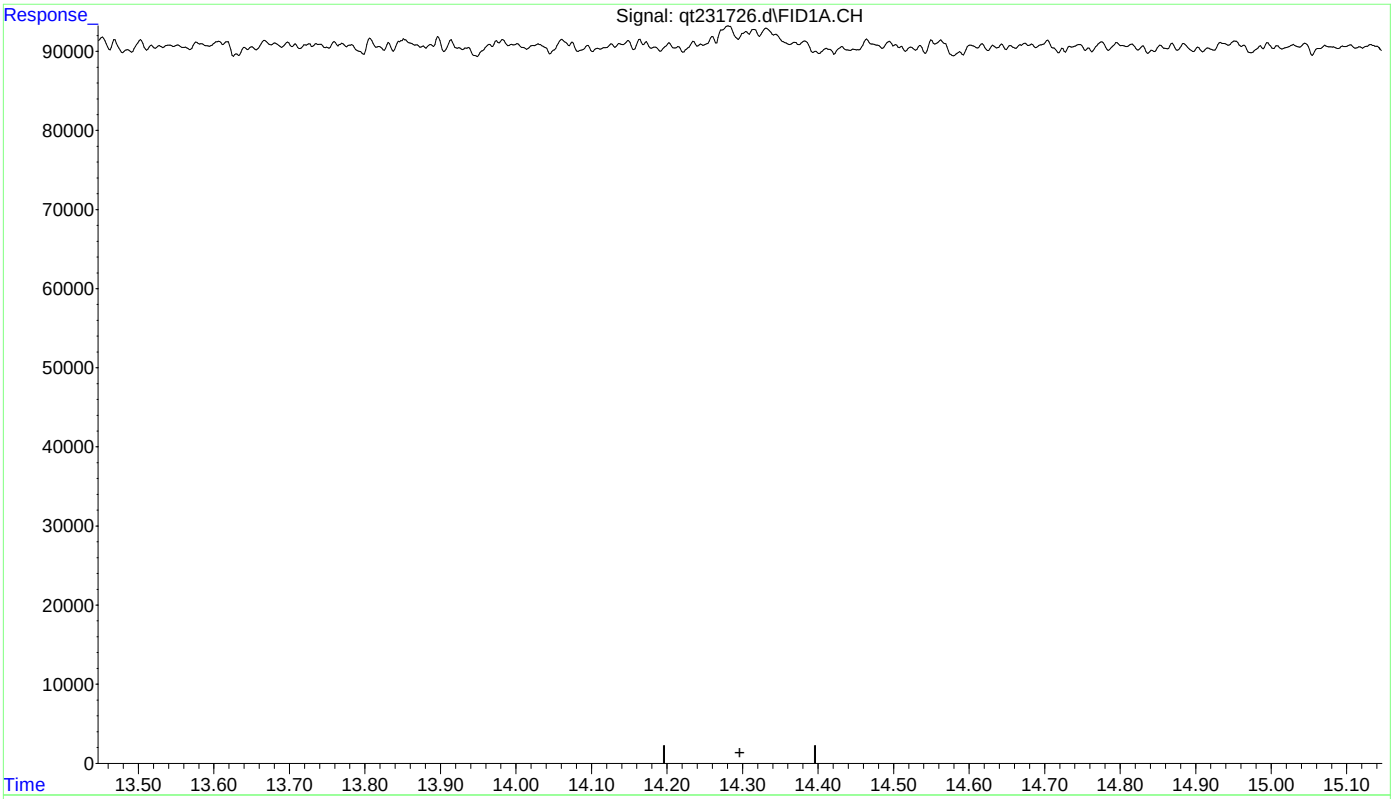
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:53:17 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 15:18:37
Operator : thomash
Sample   : ic3105-0.05
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(20) TOLUENE #2

14.296min 0.000 PPMV

response 0

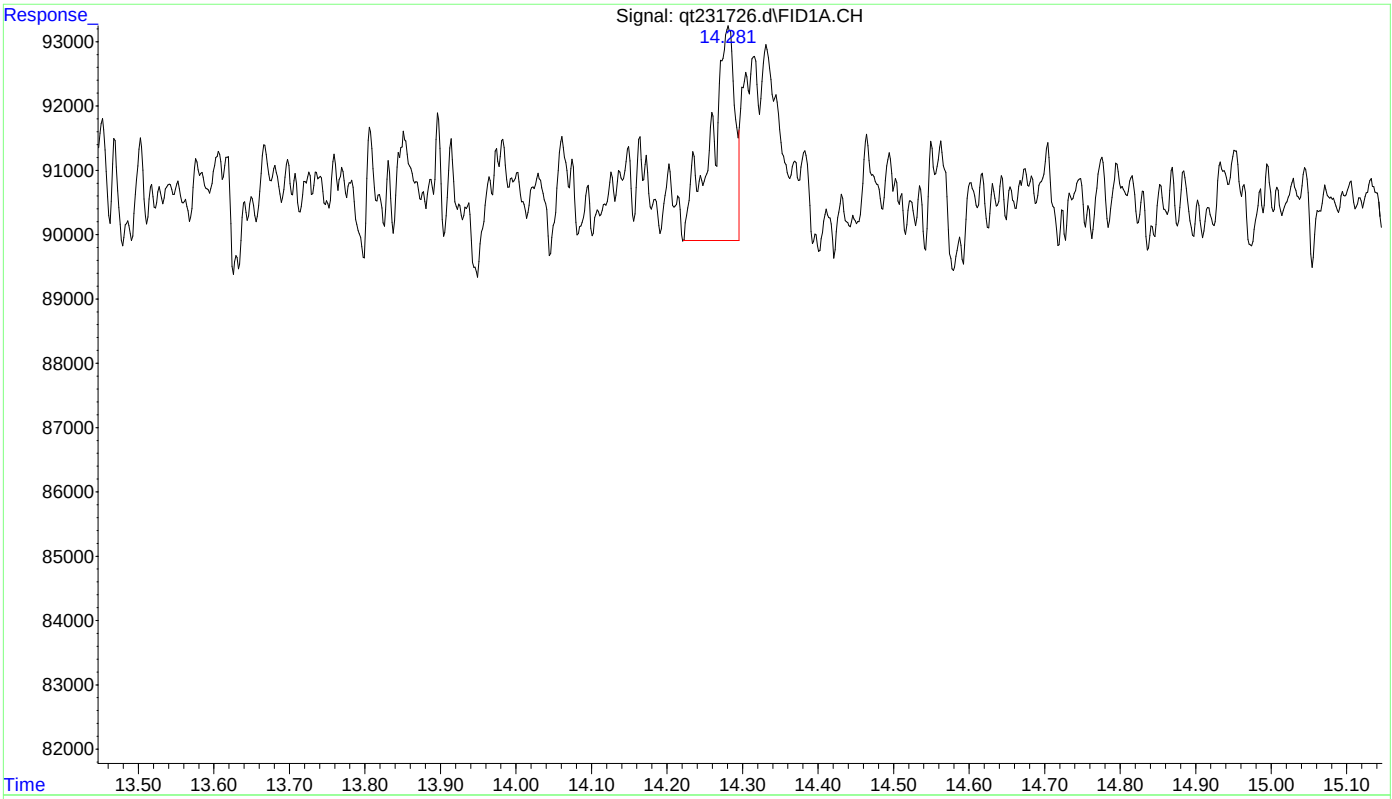
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:53:29 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(20) TOLUENE #2

14.281min 0.041 PPMV m

response 72204

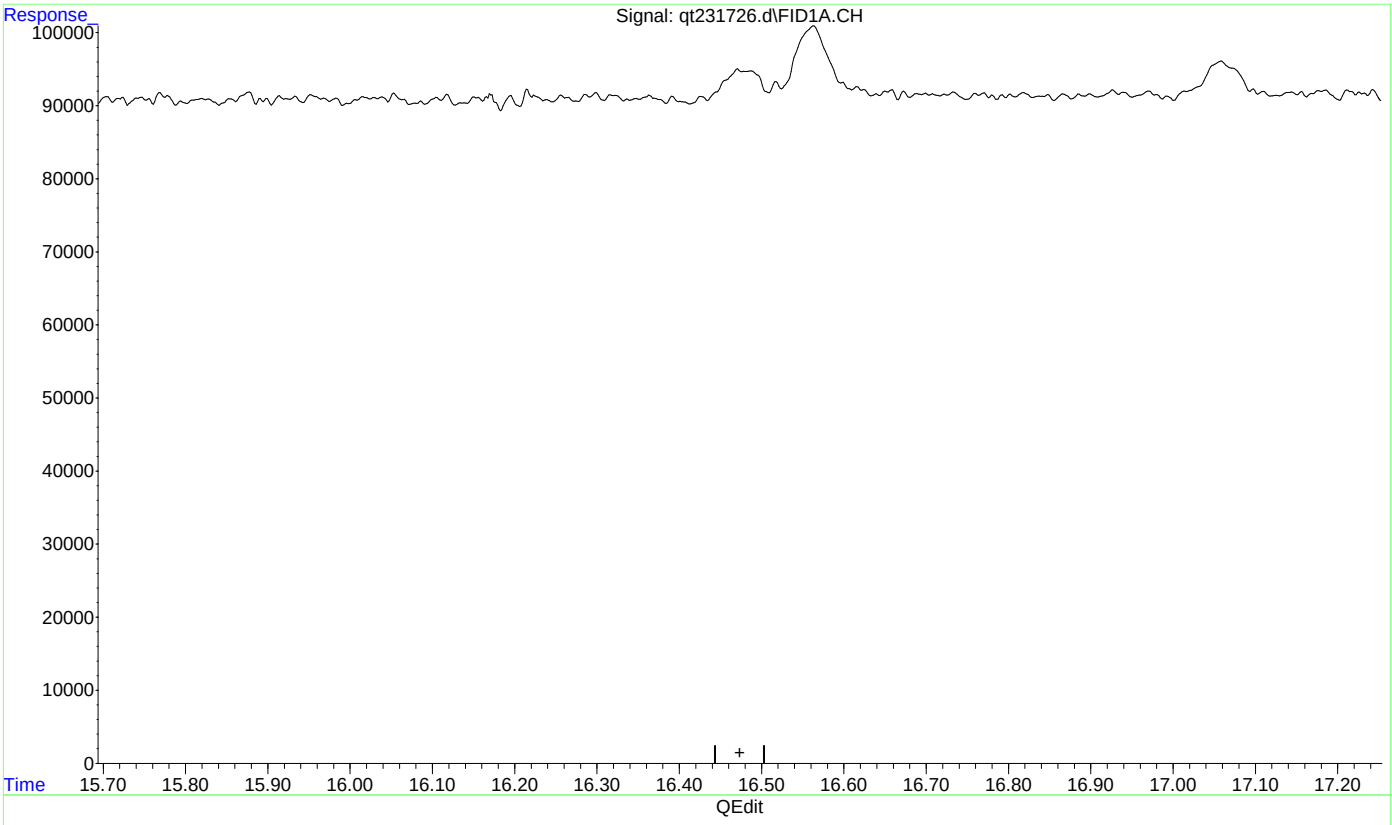
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:53:51 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(21) ETHYLBENZENE #2

16.473min 0.000 PPMV

response 0

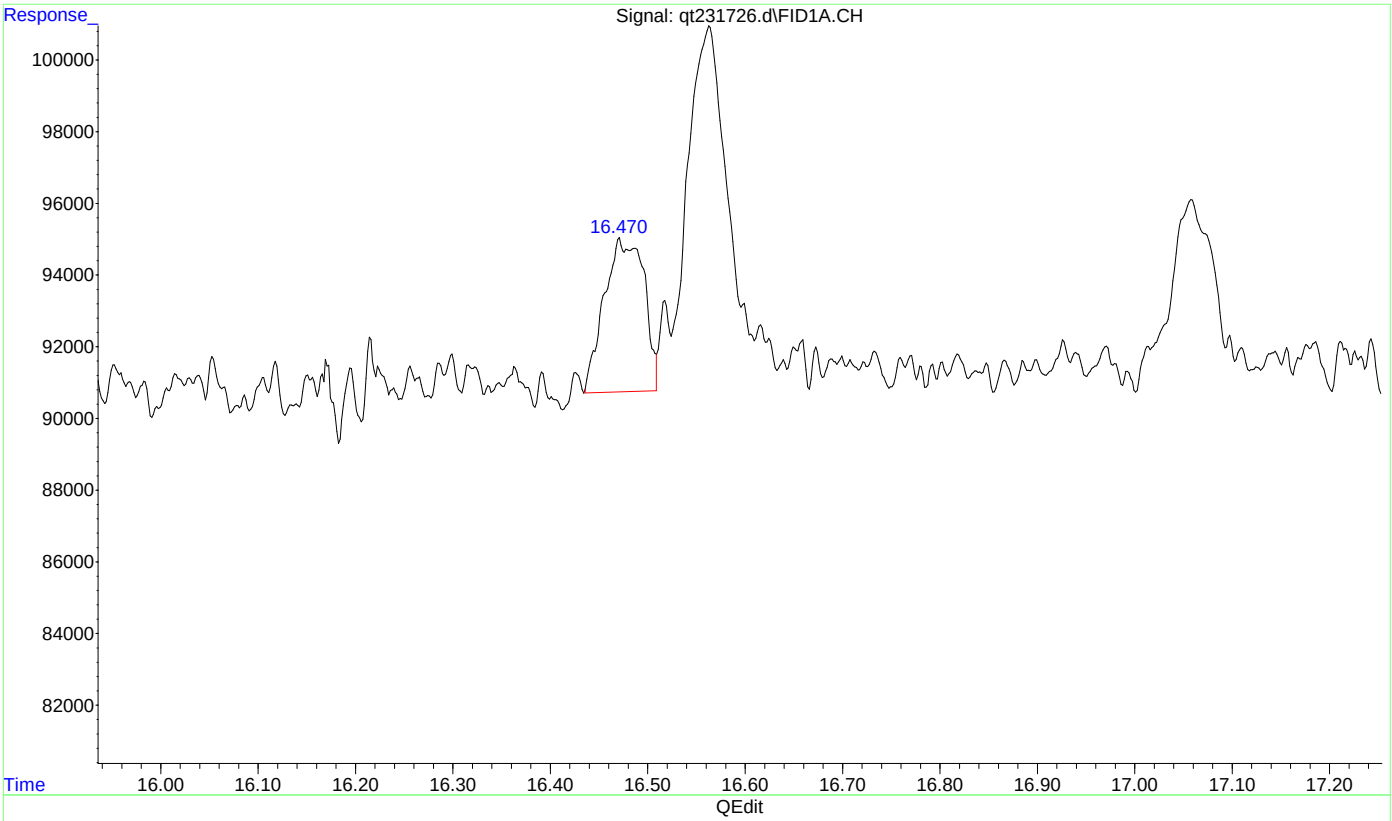
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:53:59 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(21) ETHYLBENZENE #2

16.470min 0.067 PPMV m

response 120875

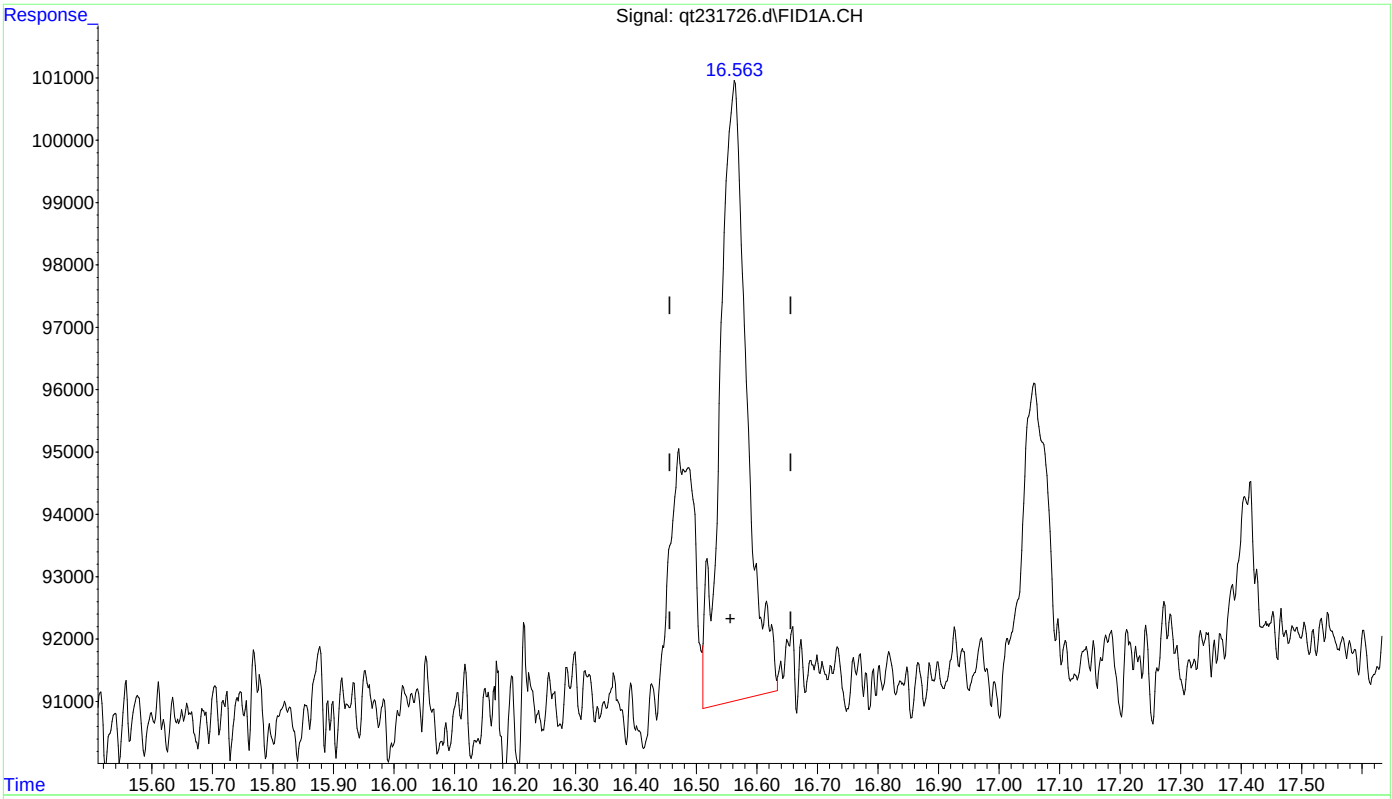
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:54:14 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 15:18:37
Operator : thomash
Sample   : ic3105-0.05
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(22) m,p-XYLENE #2

16.563min 0.152 PPMV m

response 303308

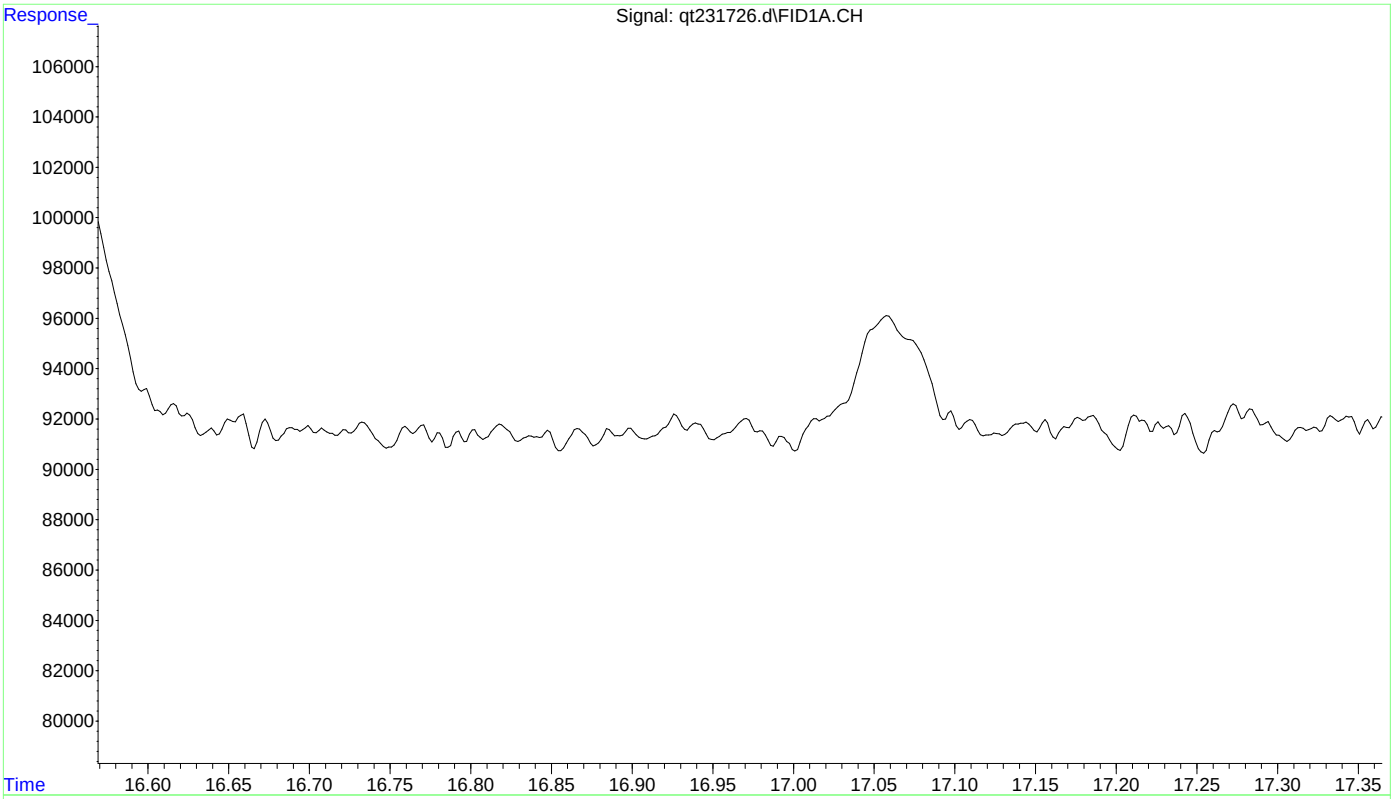
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:54:50 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 15:18:37
Operator : thomash
Sample   : ic3105-0.05
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:47:38 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(23) o-XYLENE #2

17.055min 0.000 PPMV

response 0

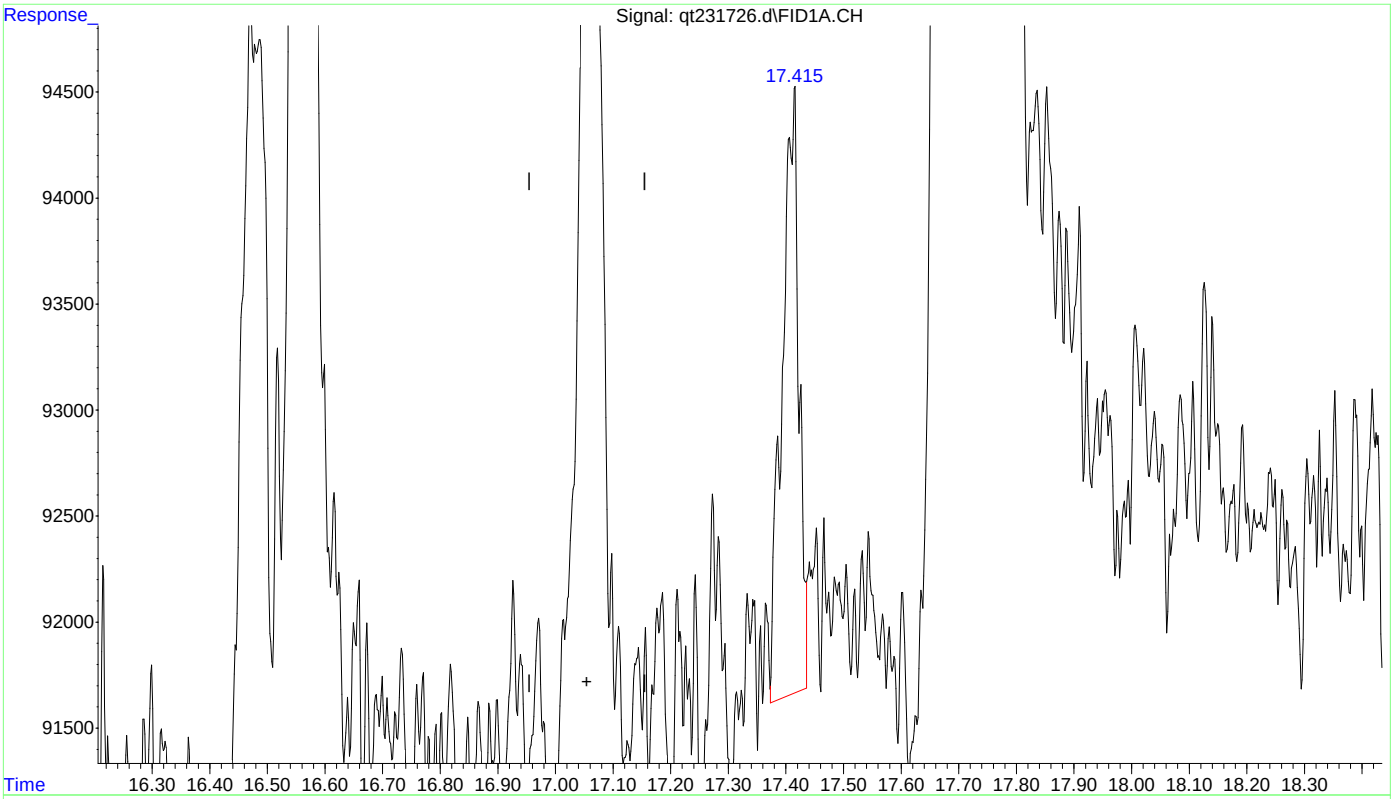
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 15:55:03 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231726.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 15:18:37
Operator : thomash
Sample : ic3105-0.05
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 15:56:10 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(23) o-XYLENE #2

17.415min 0.030 PPMV m

response 57092

(+) = Expected Retention Time
MQT3105.M Tue Jan 07 08:53:29 2025

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/06/25 21:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample : ic3105-0.1
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:05:46 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.695	2628195	9.364 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	93.64%
26) s	4-Bromofluorobenzene #2	17.696	2939450	9.540 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	95.40%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.629	53569	0.114 PPMV m
2)	BENZENE	11.241	94734	0.117 PPMV m
3)	TOLUENE	14.329	88114	0.110 PPMV m
4)	ETHYLBENZENE	16.472	75146	0.106 PPMV m
5)	m,p-XYLENE	16.564	189921	0.192 PPMV m
6)	o-XYLENE	17.066	88446	0.117 PPMV m
17)	METHYL TERTIARY BUTYL...	8.584	135107	0.115 PPMV m
19)	BENZENE #2	11.228	191722	0.110 PPMV m
20)	TOLUENE #2	14.296	174923	0.099 PPMV m
21)	ETHYLBENZENE #2	16.475	210257	0.117 PPMV m
22)	m,p-XYLENE #2	16.560	457628	0.229 PPMV m
23)	o-XYLENE #2	17.057	153458	0.080 PPMV m

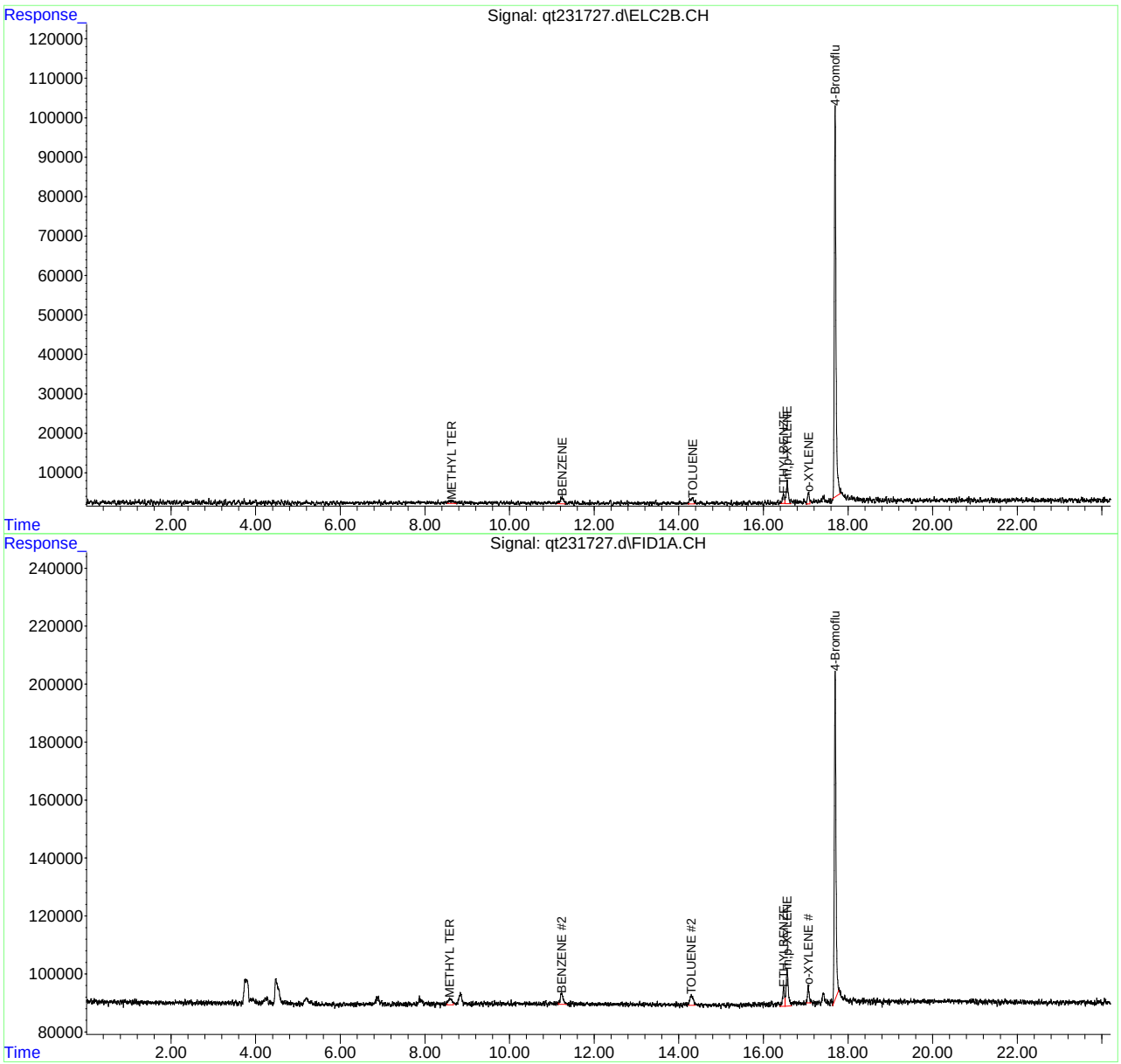
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample : ic3105-0.1
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:05:46 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



Manual Integration Approval Summary

Sample Number: GQT3105-IC3105
Lab FileID: QT231727.D
Injection Time: 01/03/25 16:03
Method: EPA TO-3
Analyst approved: 01/06/25 16:49 William Cruser
Supervisor approved: 01/06/25 21:51 Kanya Veerawat

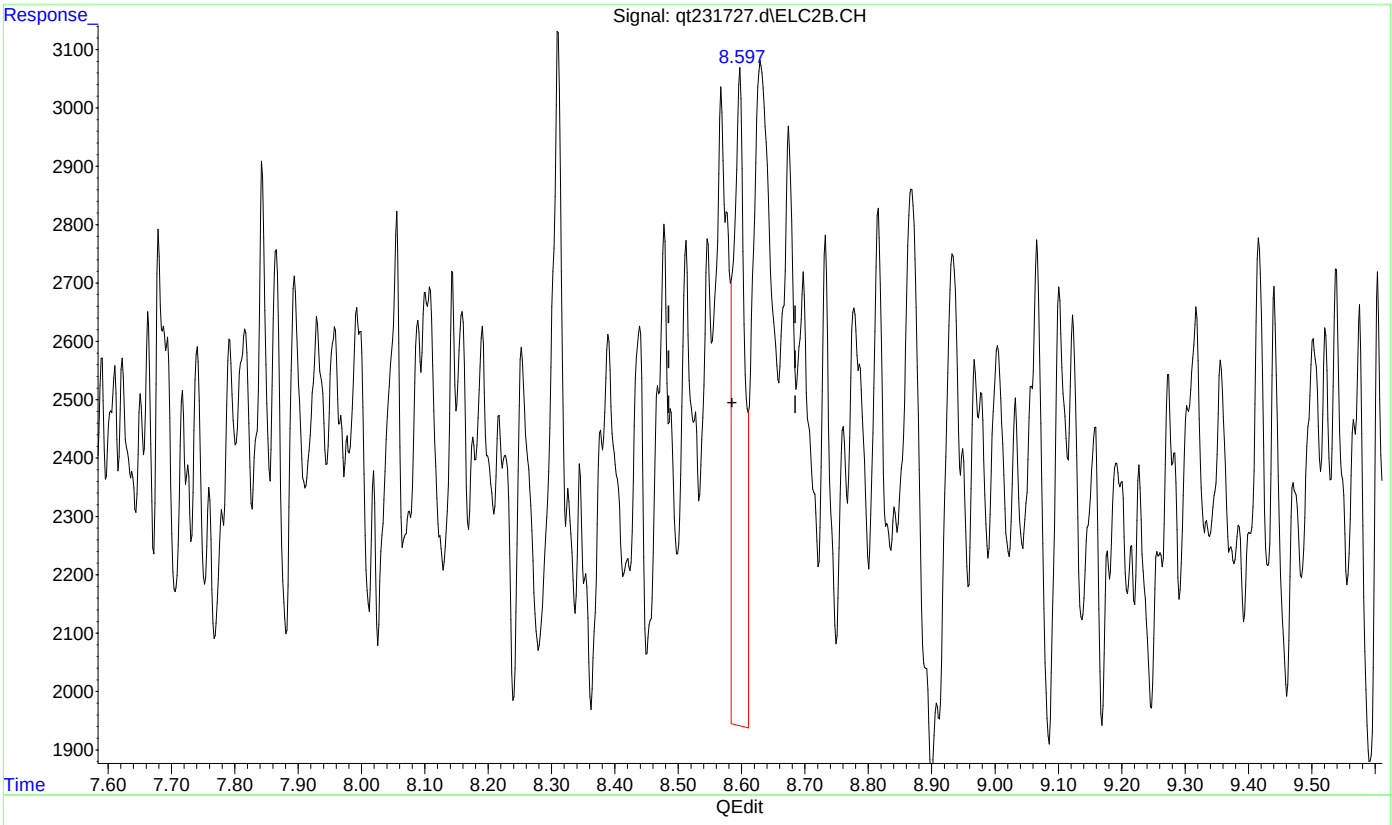
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Tert Butyl Ether	1634-04-4	2	8.58	Missed peak
Methyl Tert Butyl Ether	1634-04-4	1	8.63	Poorly defined baseline
Benzene	71-43-2	2	11.23	Poorly defined baseline
Benzene	71-43-2	1	11.24	Poorly defined baseline
Toluene	108-88-3	2	14.30	Missed peak
Toluene	108-88-3	1	14.33	Split peak
Ethylbenzene	100-41-4	1	16.47	Missed peak
Ethylbenzene	100-41-4	2	16.47	Missed peak
m,p-Xylene		1	16.56	Missed peak
m,p-Xylene		2	16.56	Missed peak
o-Xylene	95-47-6	2	17.06	Poorly defined baseline
o-Xylene	95-47-6	1	17.07	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(1) METHYL TERTIARY BUTYL ETHER

8.596min 0.030 PPMV

response 13964

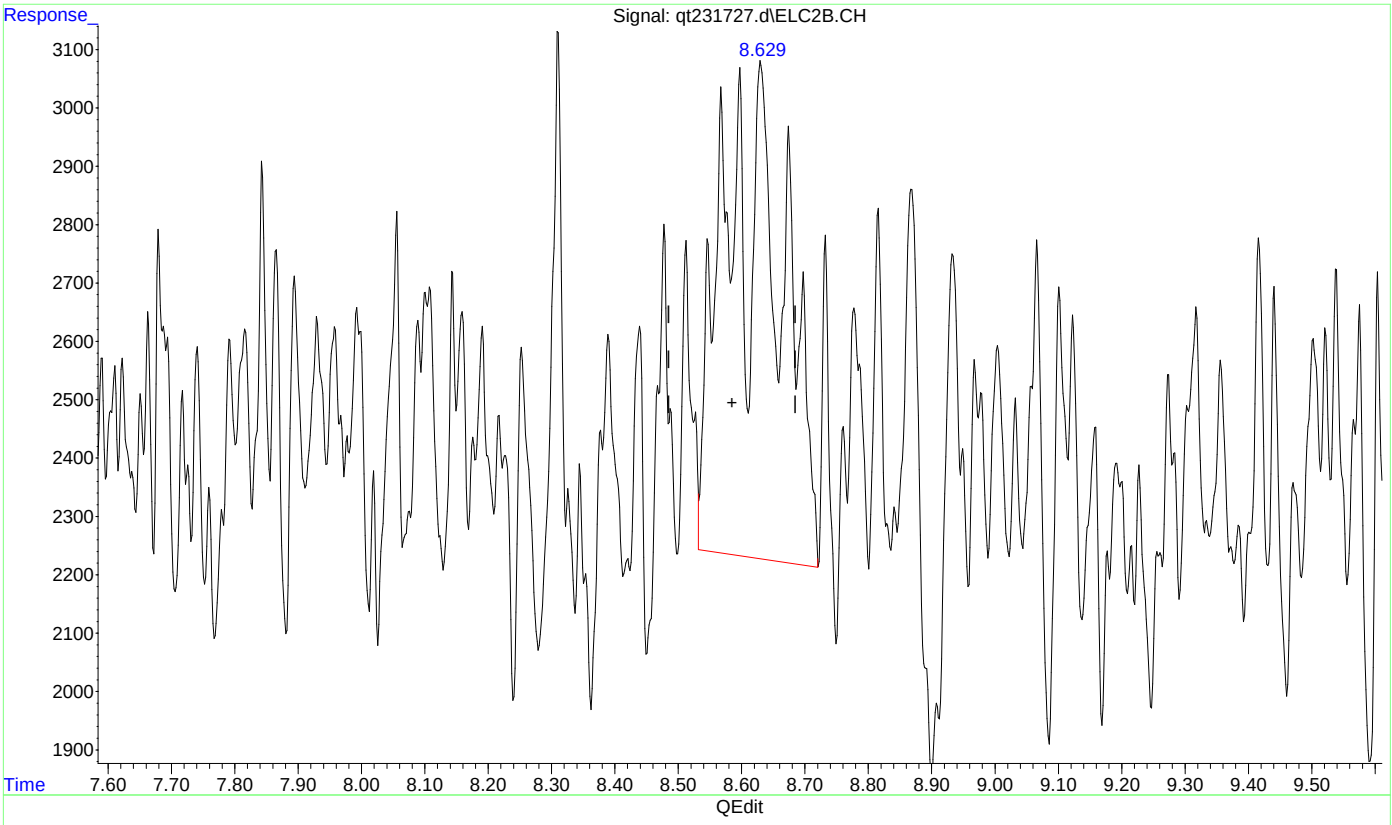
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 18:57:28 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(1) METHYL TERTIARY BUTYL ETHER

8.629min 0.114 PPMV m

response 53569

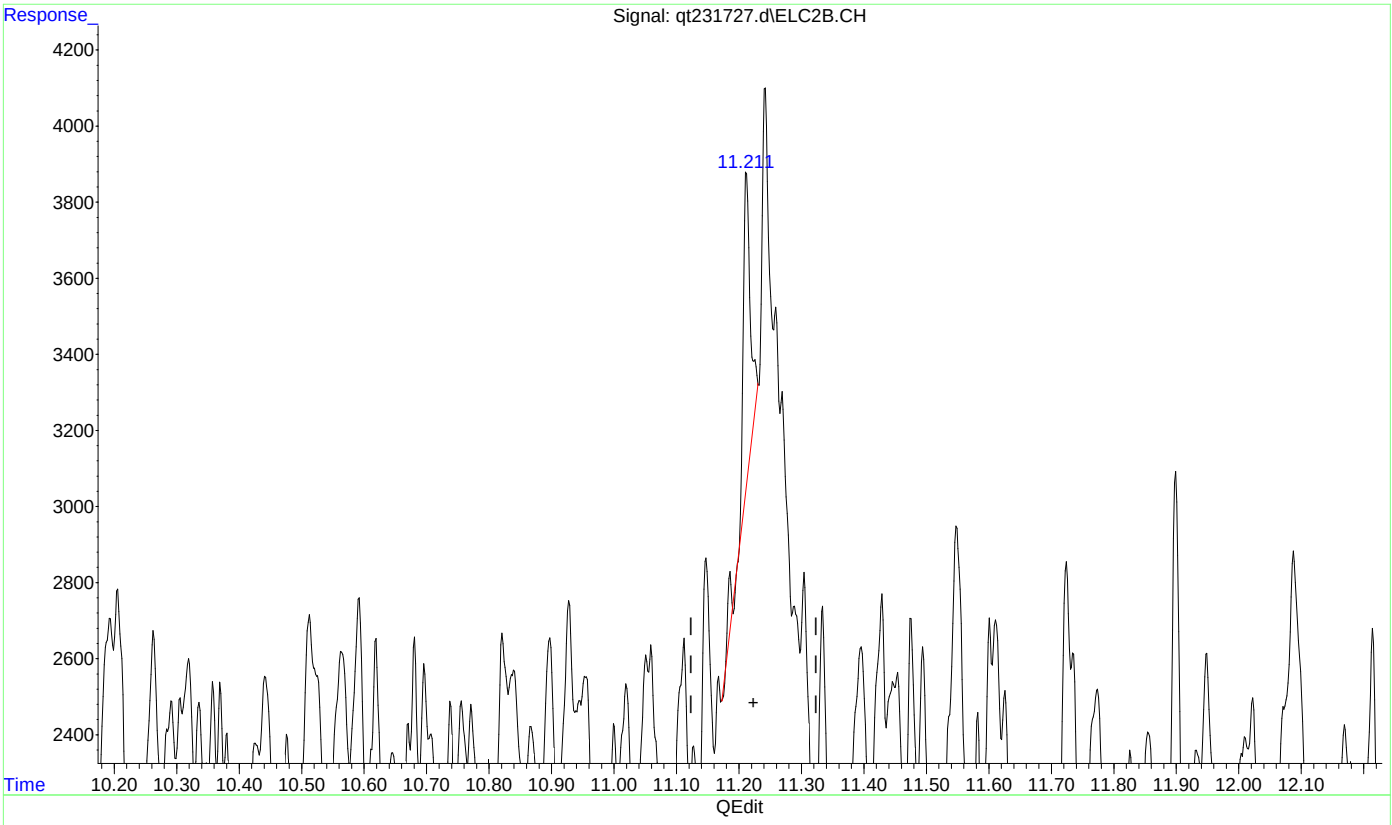
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 18:59:39 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(2) BENZENE

11.213min 0.008 PPMV

response 6538

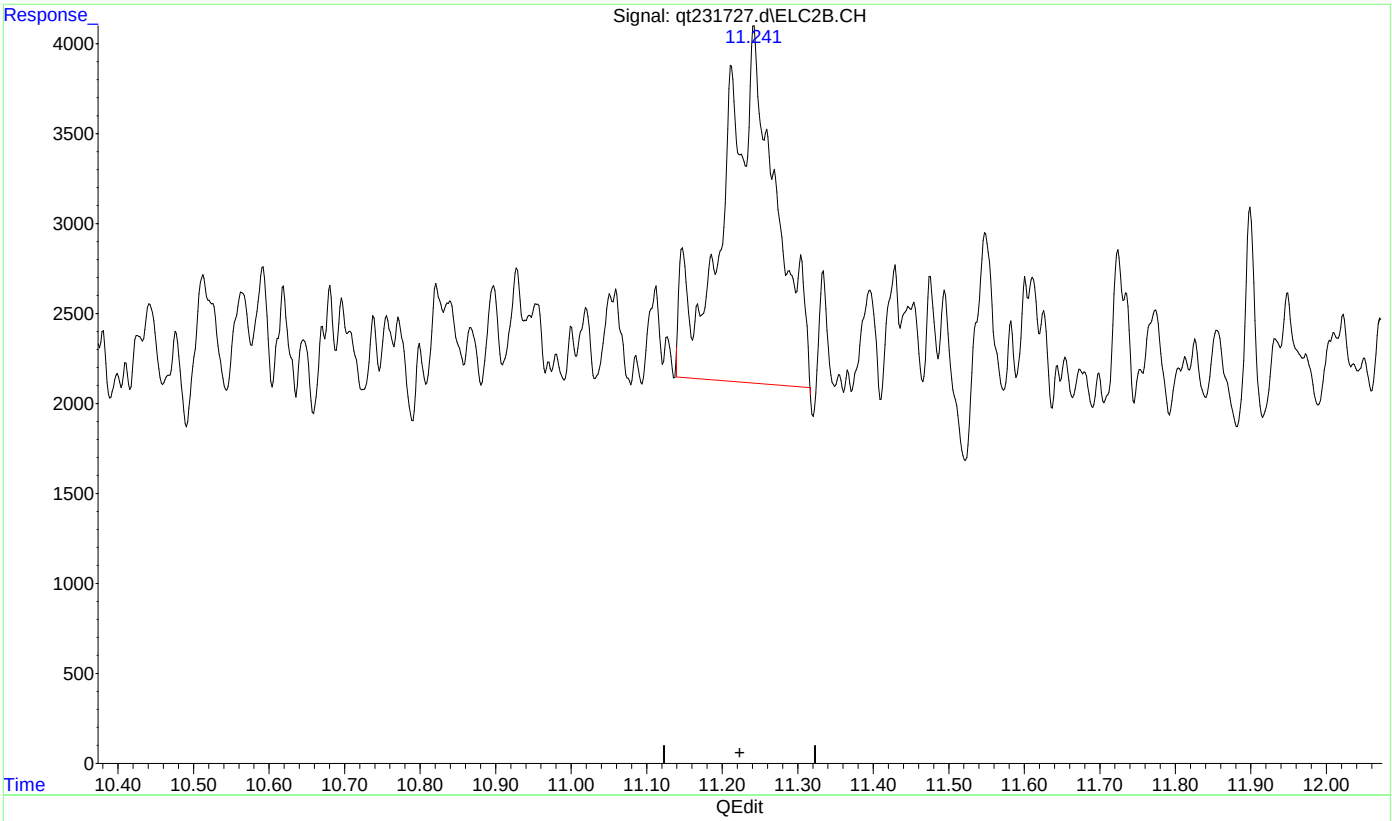
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 18:59:47 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(2) BENZENE

11.241min 0.117 PPMV m

response 94734

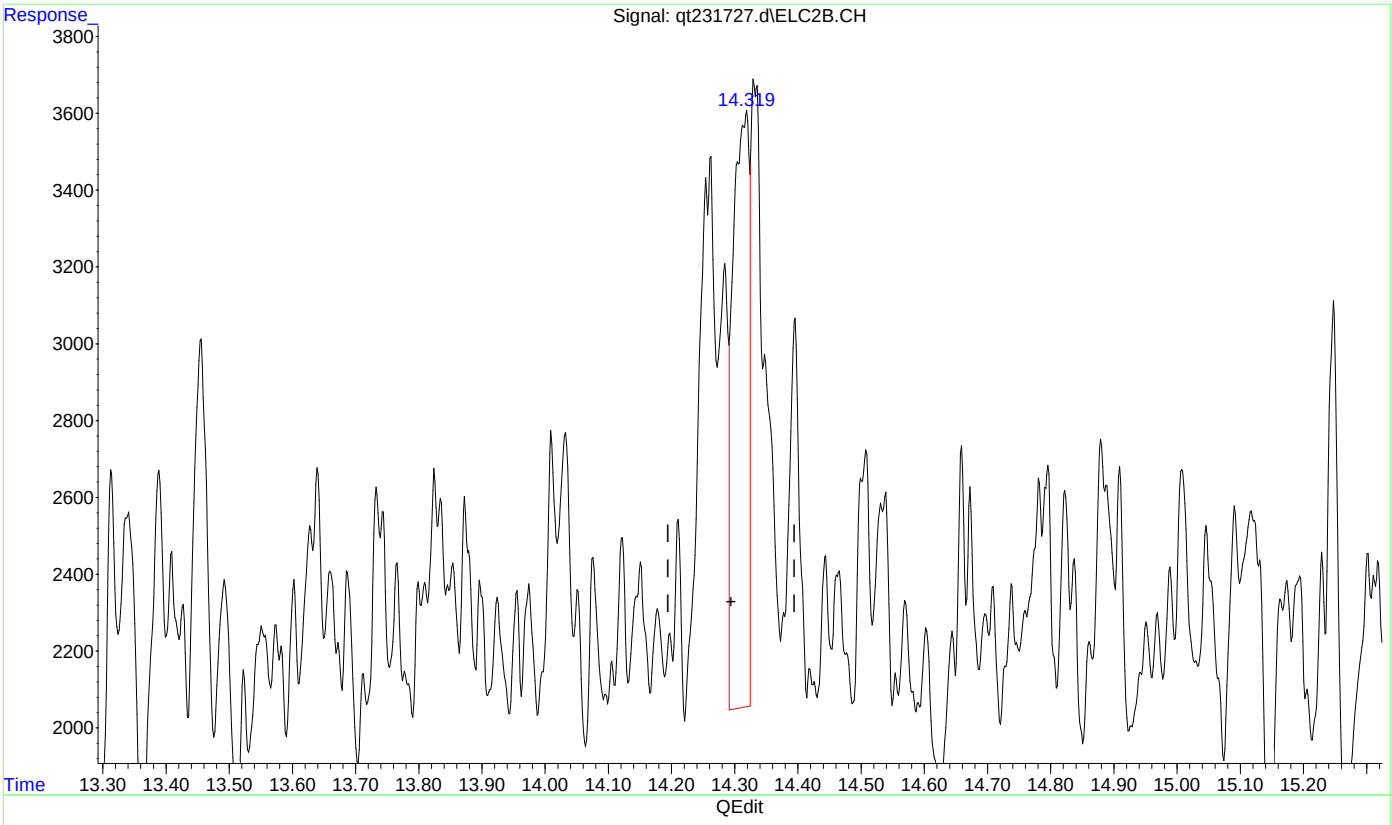
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:00:08 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(3) TOLUENE

14.319min 0.034 PPMV

response 27241

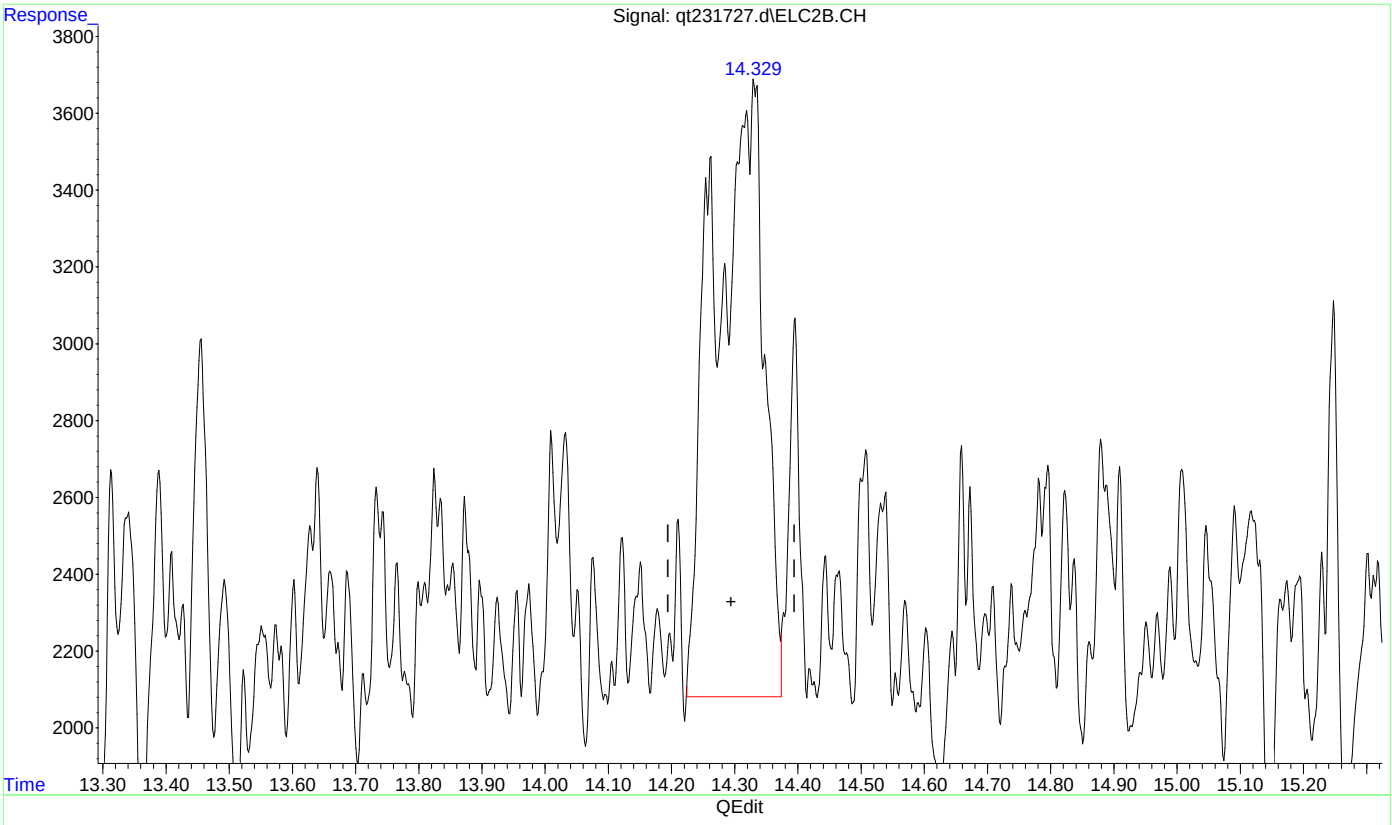
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:00:18 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(3) TOLUENE

14.329min 0.110 PPMV m

response 88114

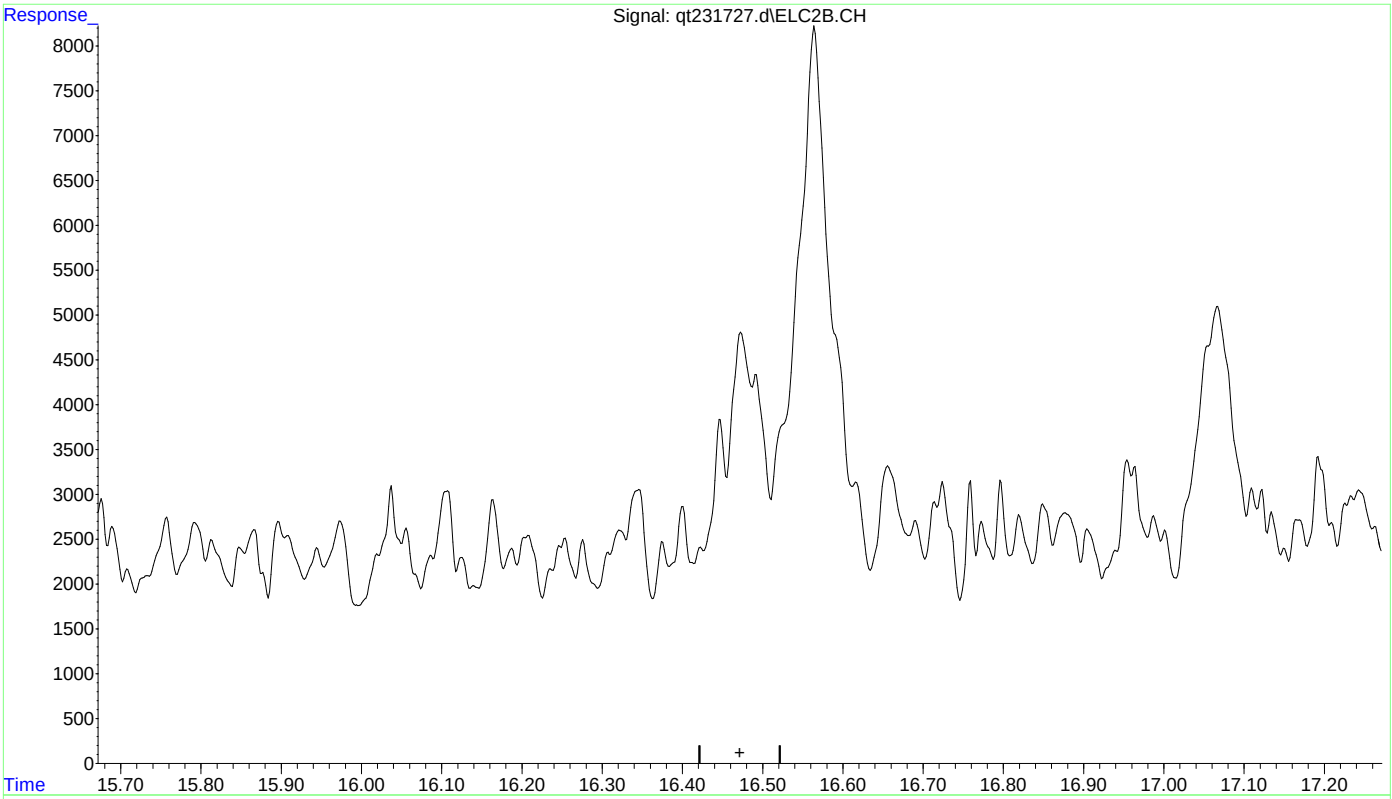
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:00:46 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(4) ETHYLBENZENE

16.472min 0.000 PPMV

response 0

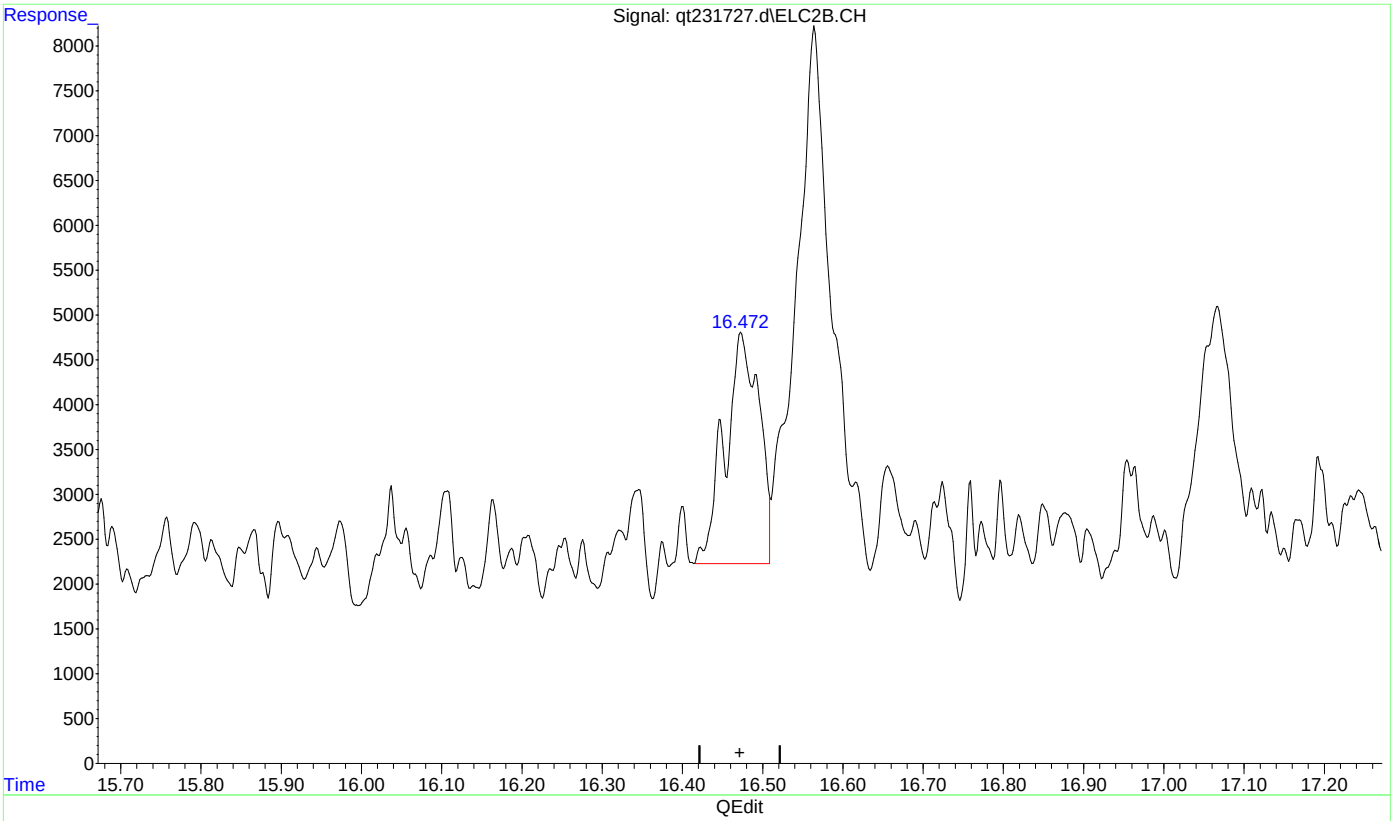
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:00:55 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(4) ETHYLBENZENE

16.472min 0.106 PPMV m

response 75146

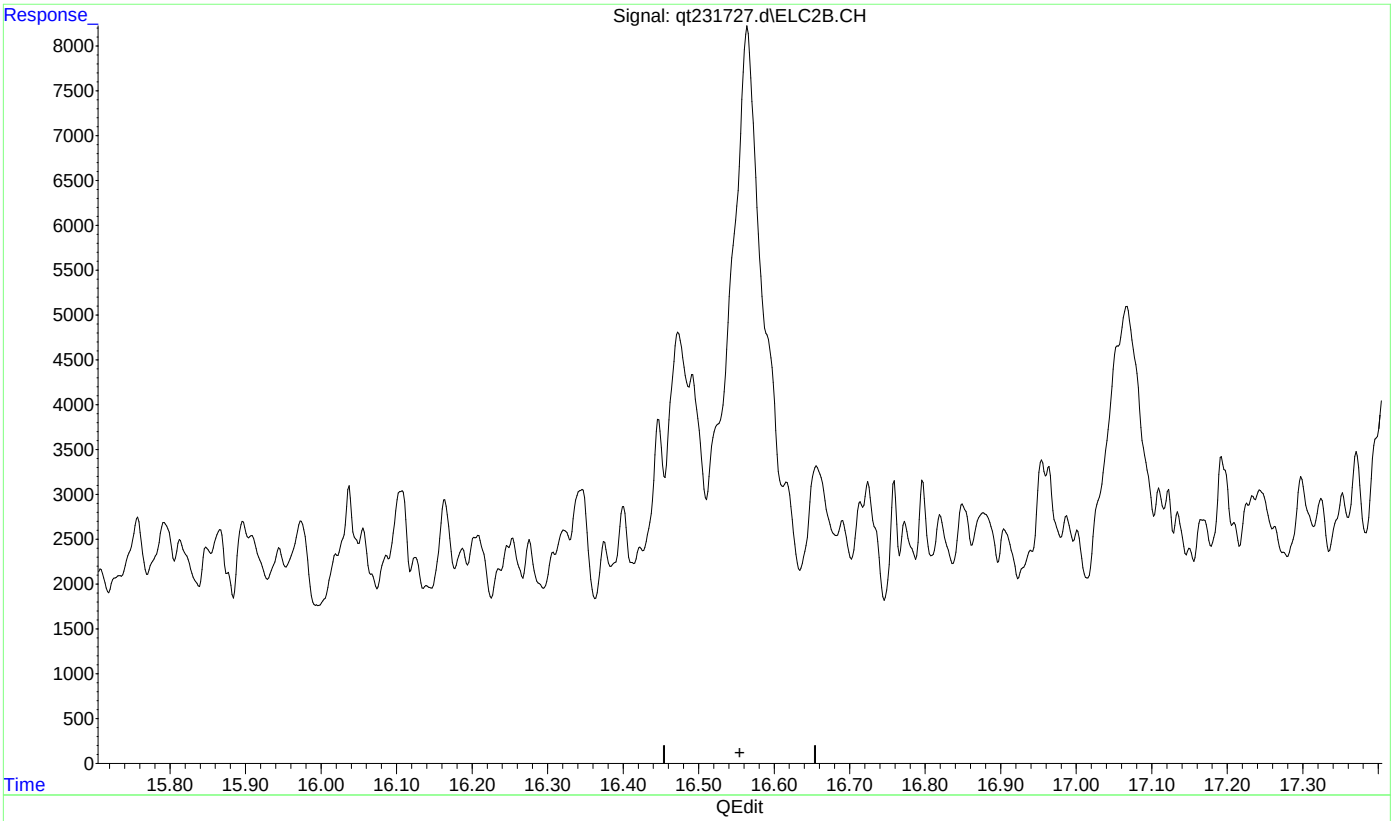
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:01:09 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(5) m,p-XYLENE

16.555min 0.000 PPMV

response 0

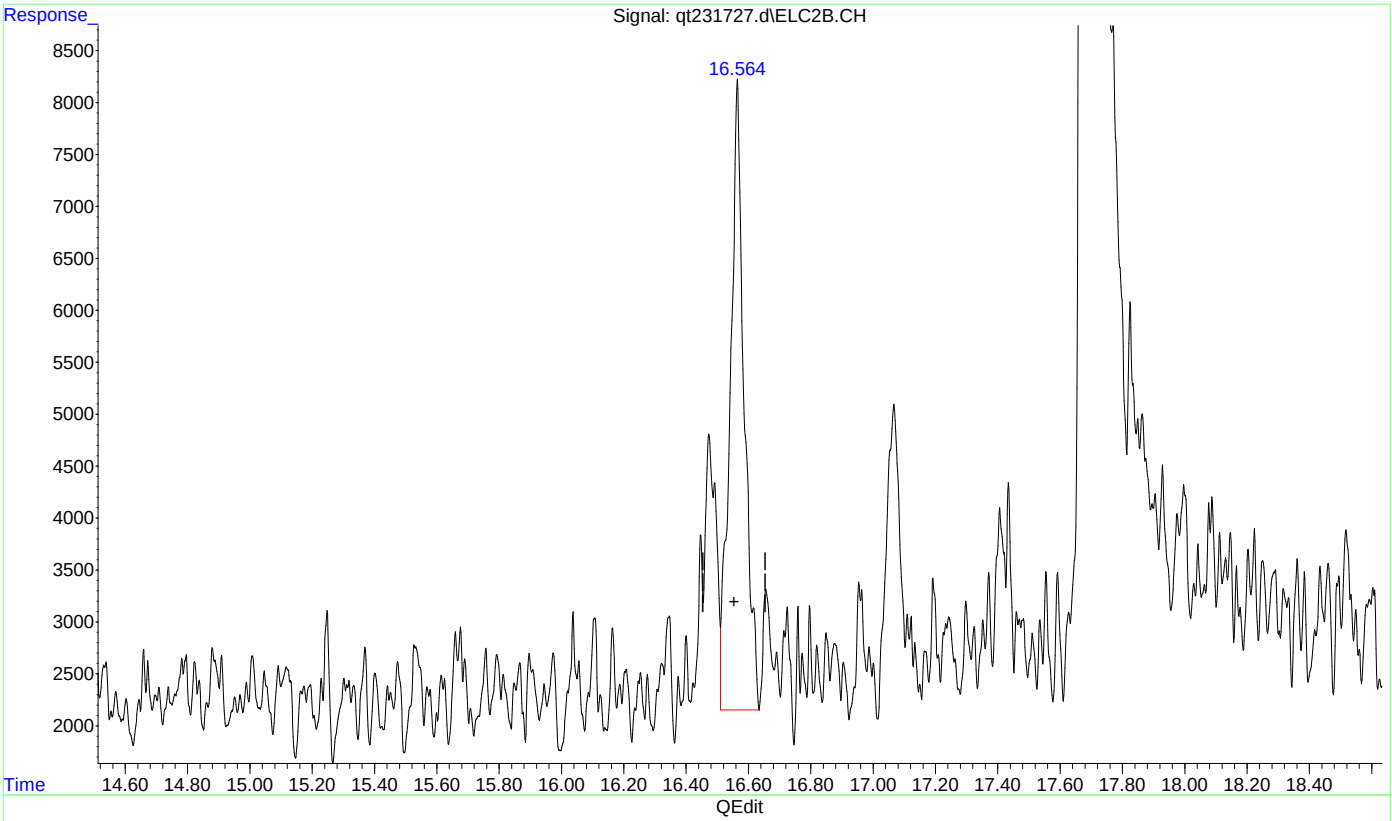
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:01:18 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(5) m,p-XYLENE

16.564min 0.192 PPMV m

response 189921

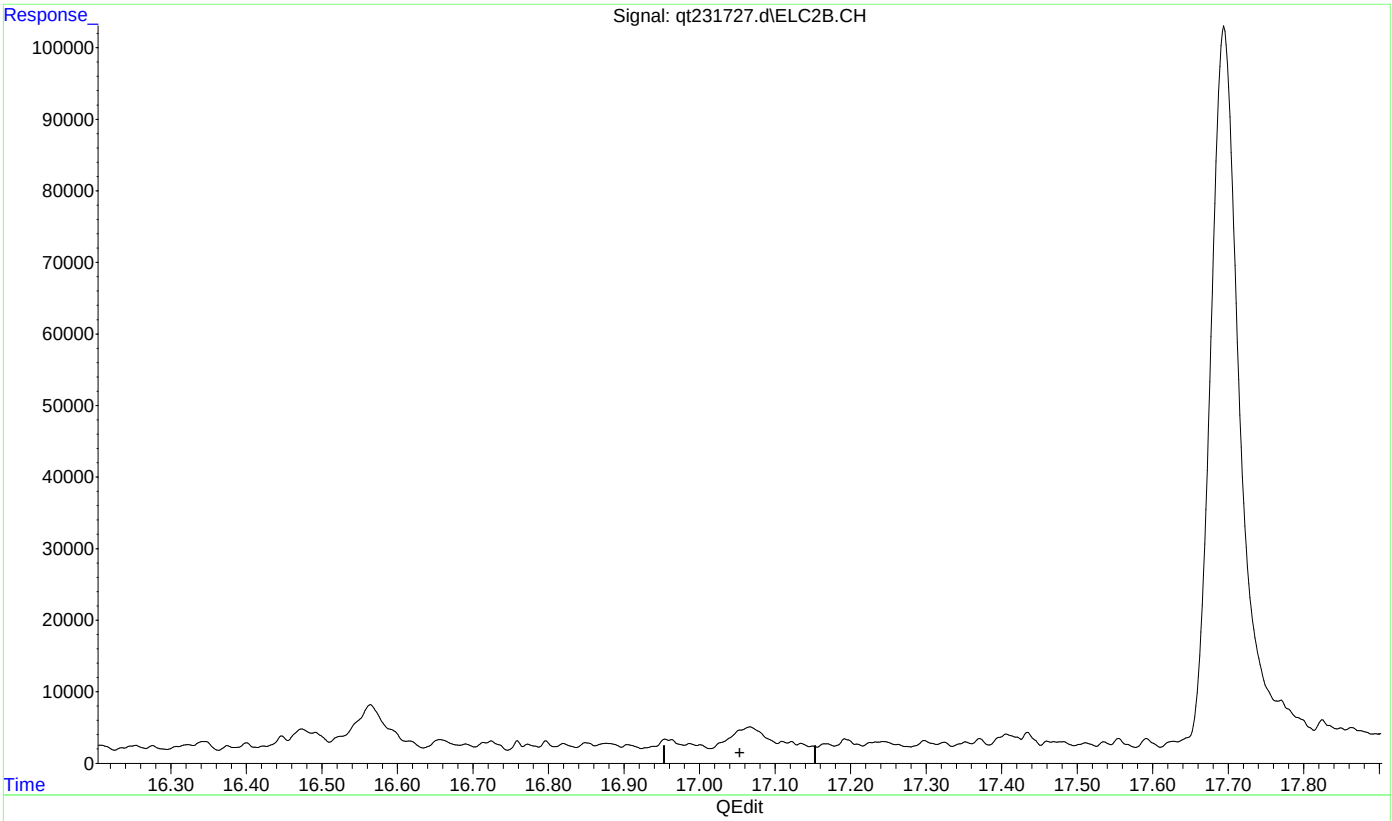
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:01:57 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(6) o-XYLENE

17.053min 0.000 PPMV

response 0

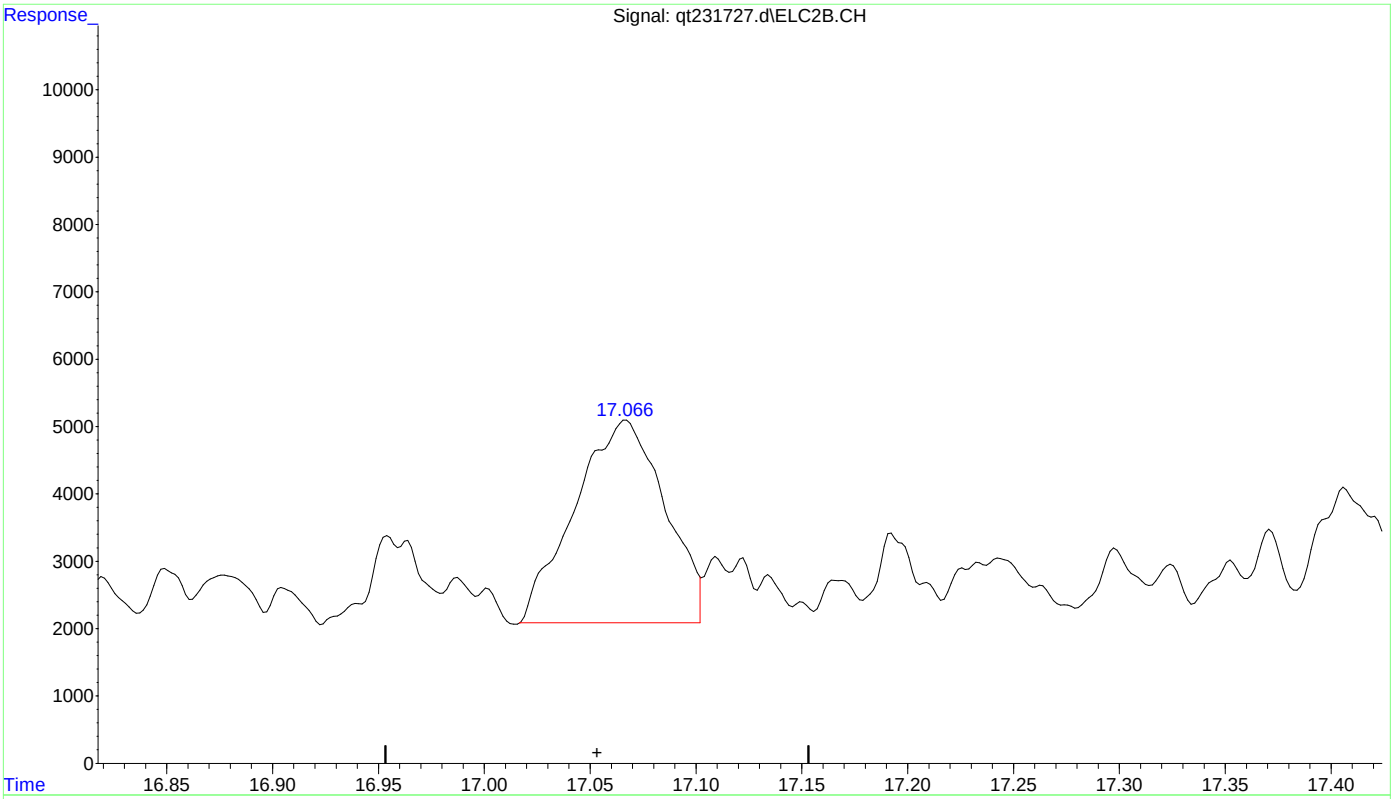
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:02:05 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(6) o-XYLENE

17.066min 0.117 PPMV m

response 88446

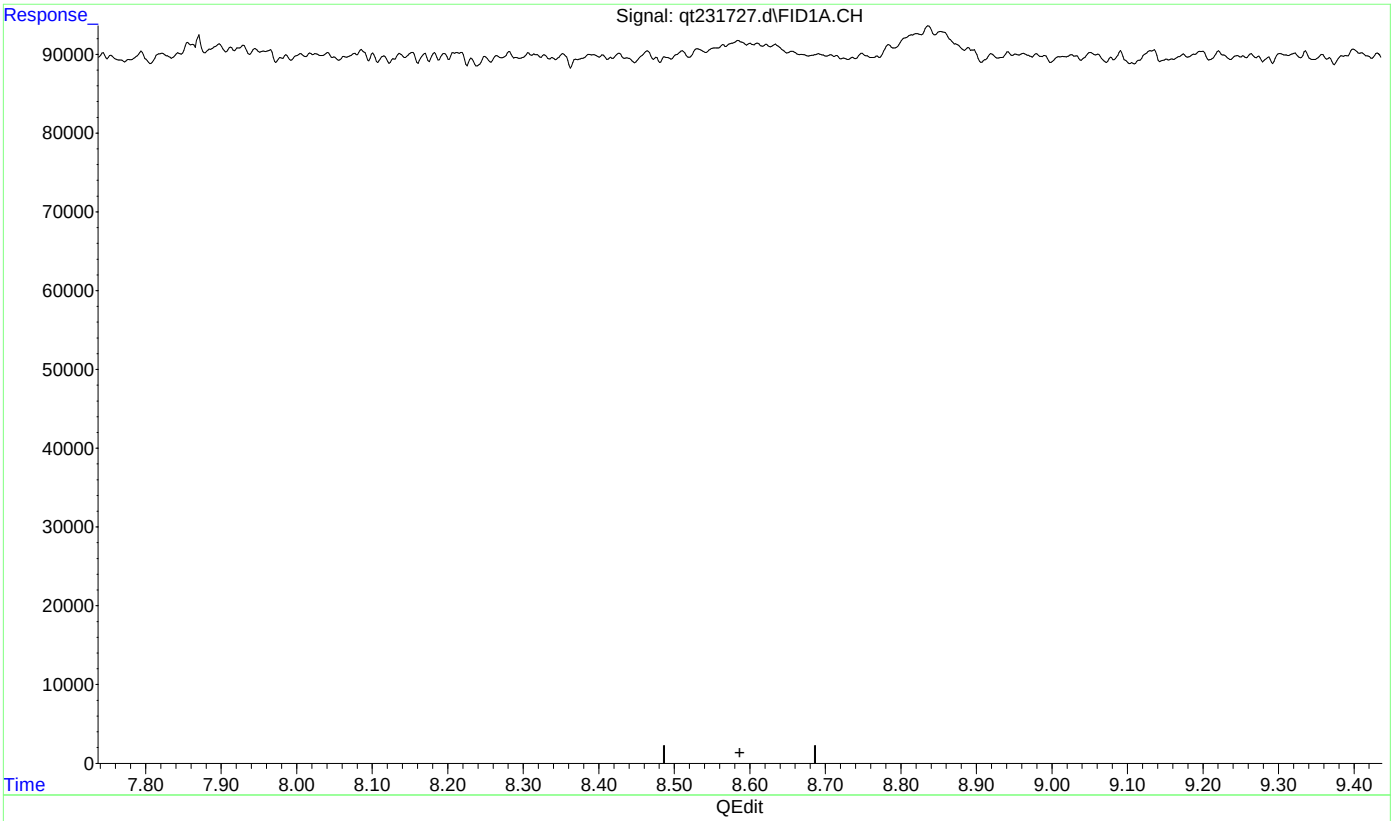
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:02:20 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(17) METHYL TERTIARY BUTYL ETHER #2

8.587min 0.000 PPMV

response 0

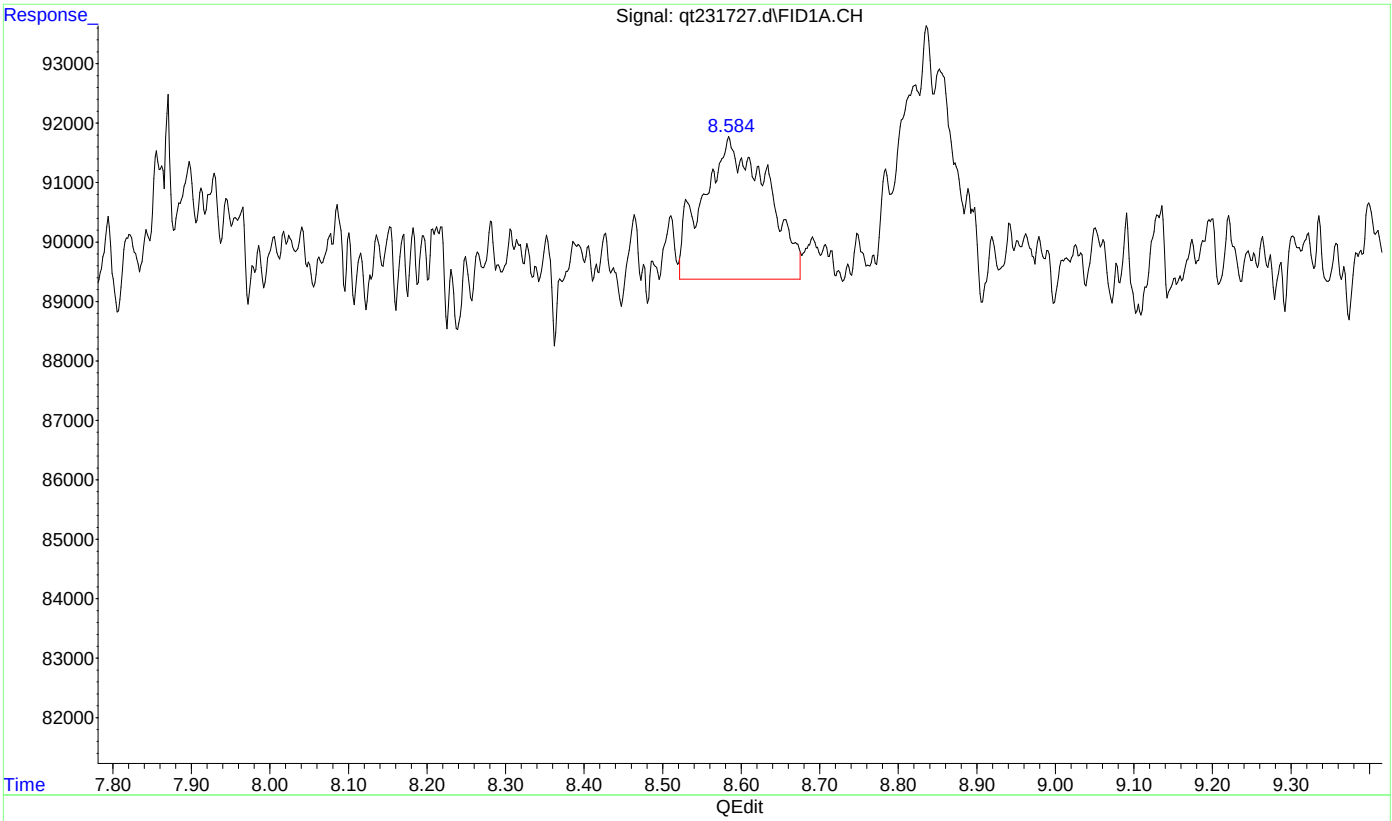
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:02:37 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample : ic3105-0.1
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(17) METHYL TERTIARY BUTYL ETHER #2

8.584min 0.115 PPMV m

response 135107

(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:03:08 2025

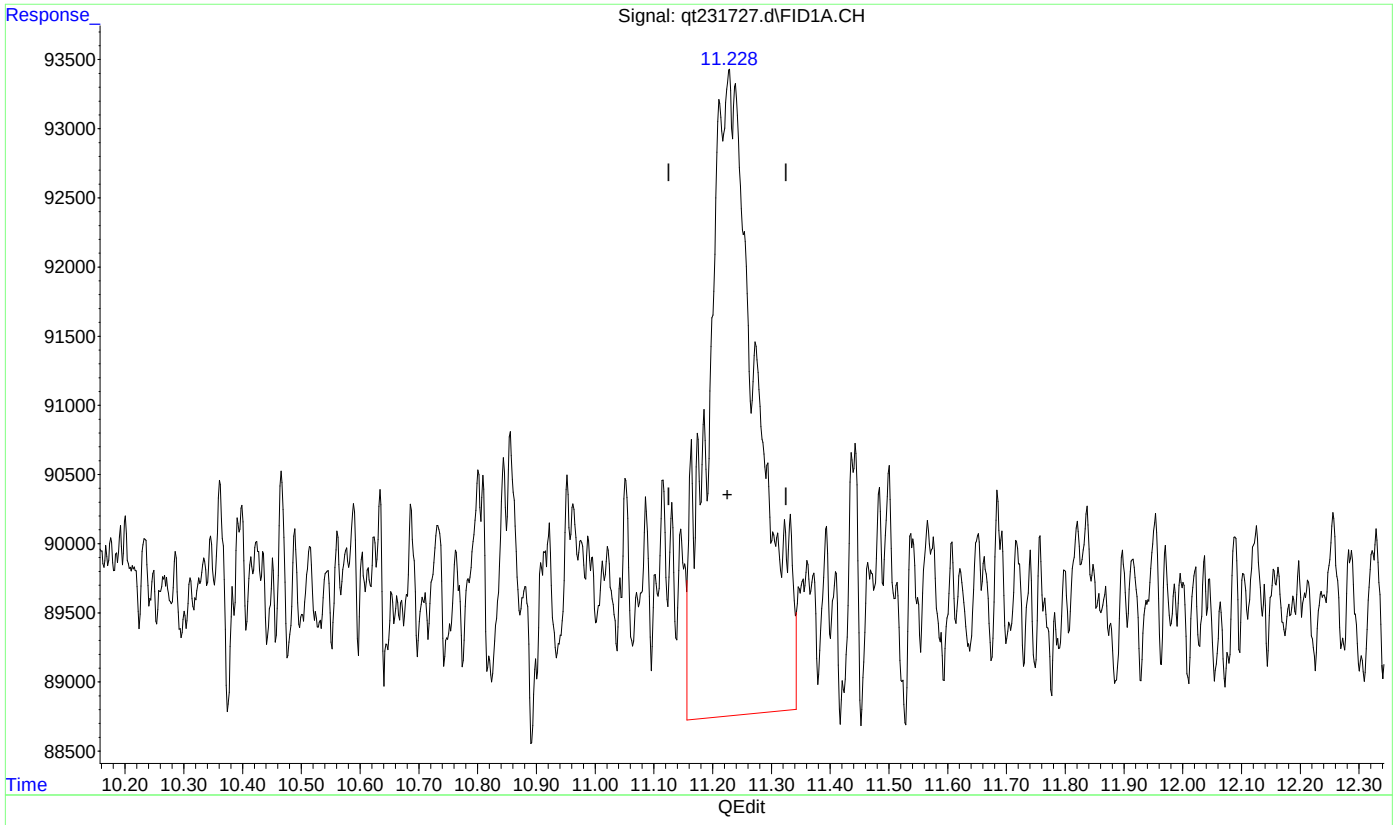
QT231727.D edits: METHYL TERTIARY BUTYL ETHER #2

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(19) BENZENE #2

11.228min 0.156 PPMV

response 272880

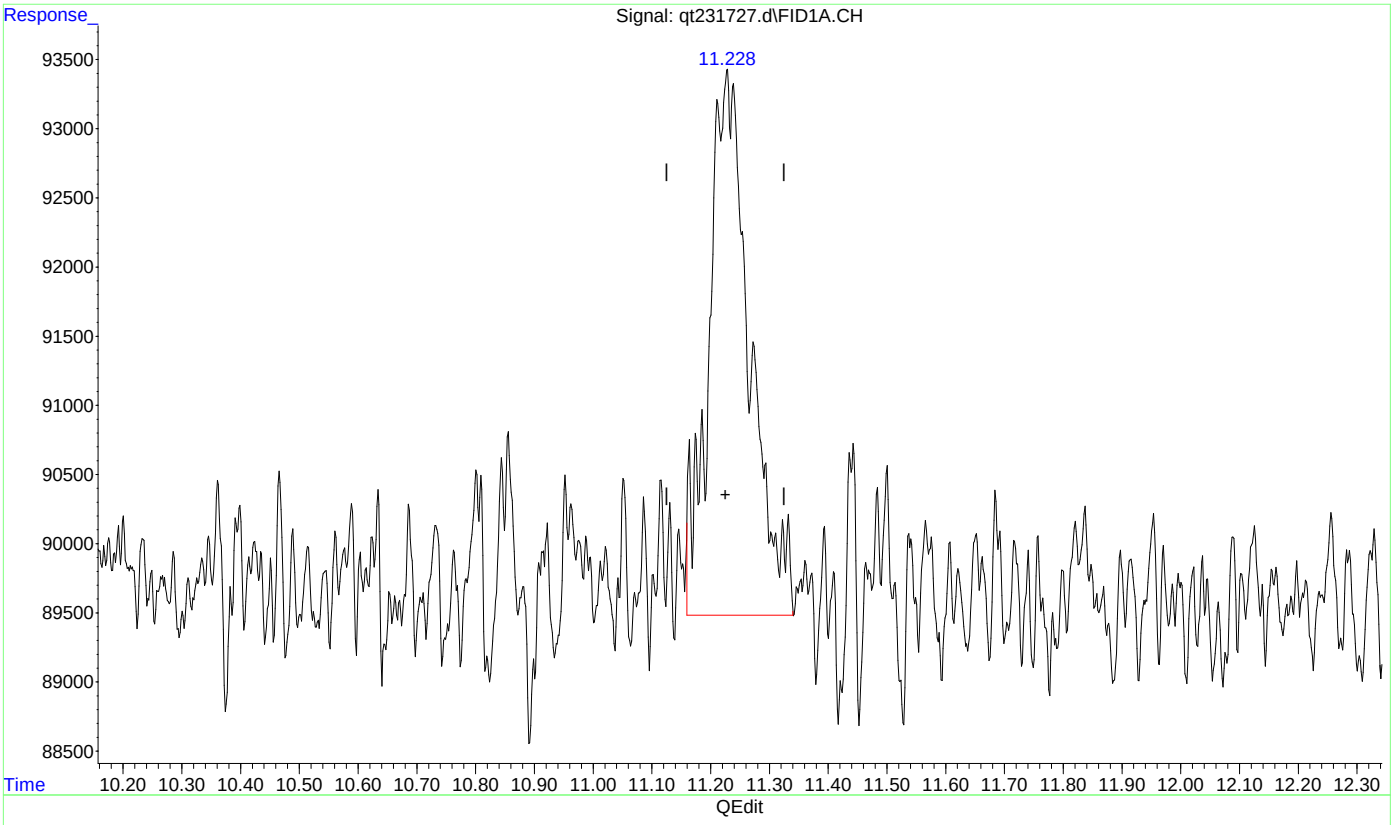
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:03:17 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(19) BENZENE #2

11.228min 0.110 PPMV m

response 191722

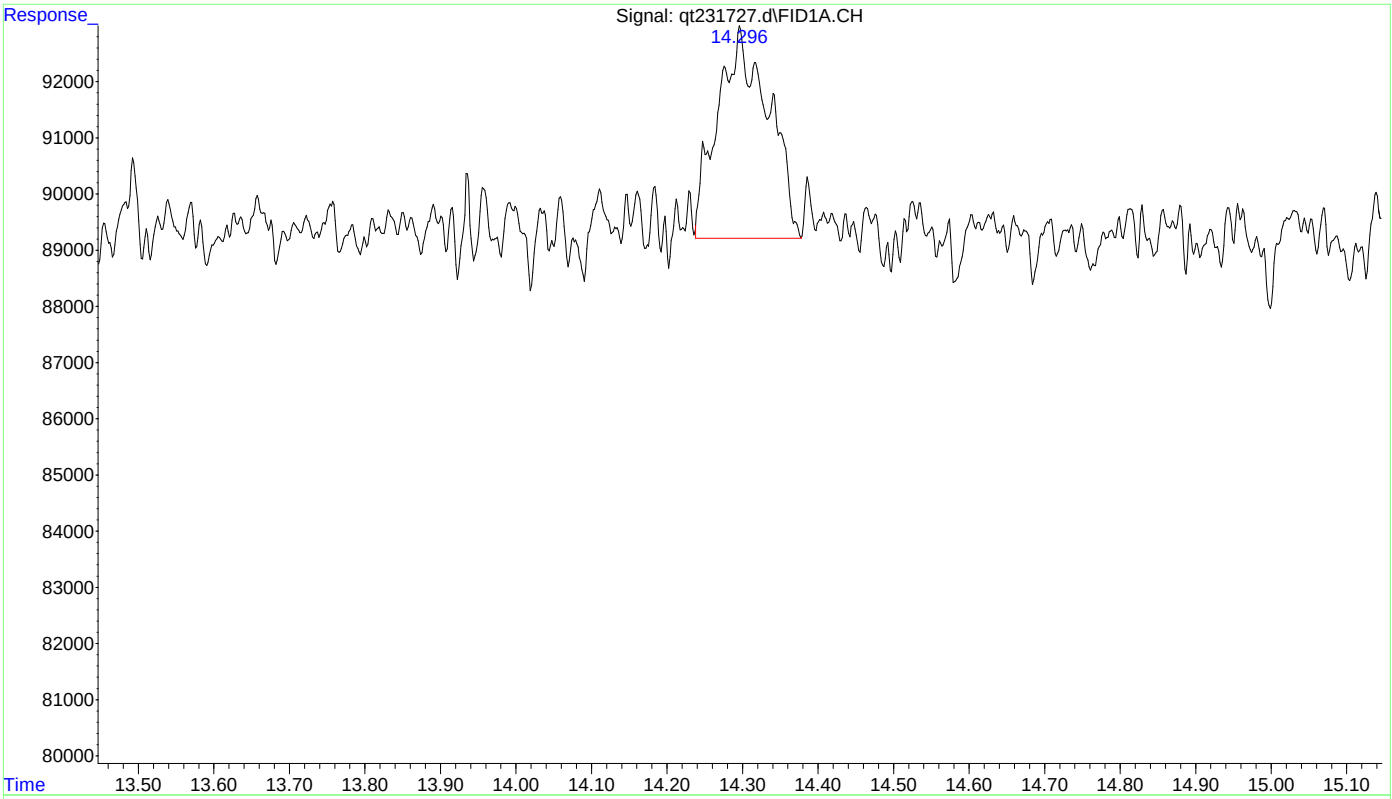
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:03:39 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(20) TOLUENE #2

14.296min 0.099 PPMV m

response 174923

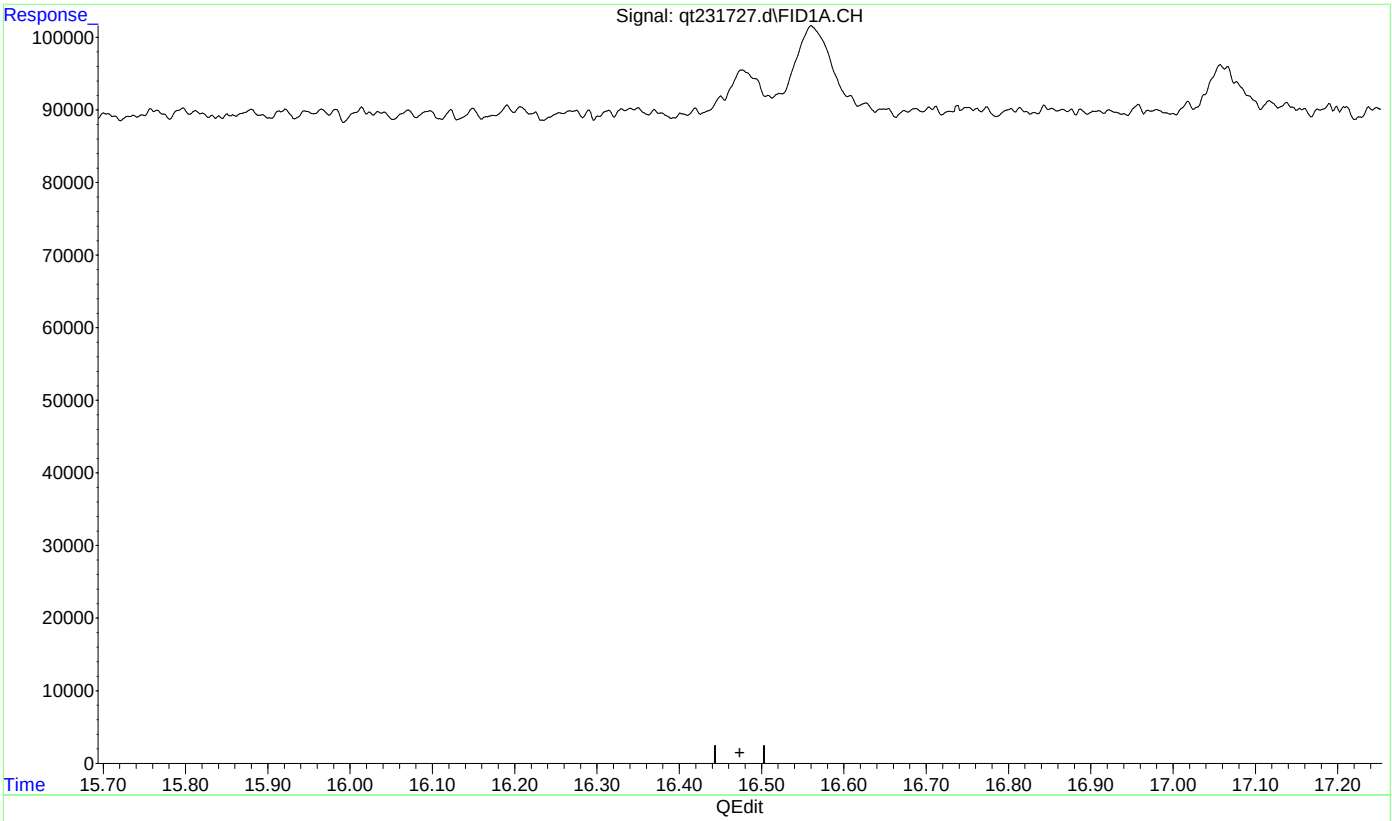
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:04:15 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(21) ETHYLBENZENE #2

16.473min 0.000 PPMV

response 0

(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:04:24 2025

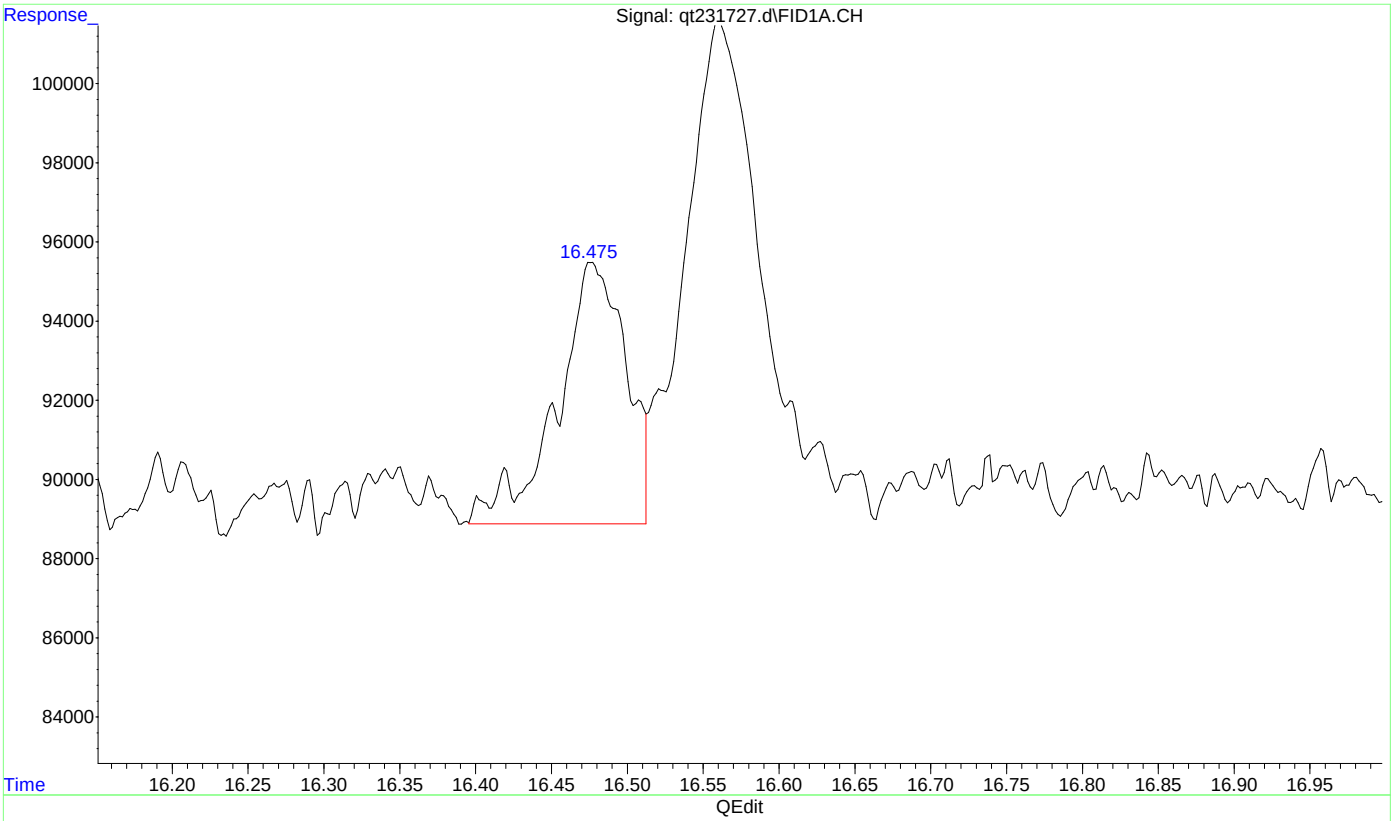
QT231727.D edits: ETHYLBENZENE #2

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(21) ETHYLBENZENE #2

16.475min 0.117 PPMV m

response 210257

(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:04:40 2025

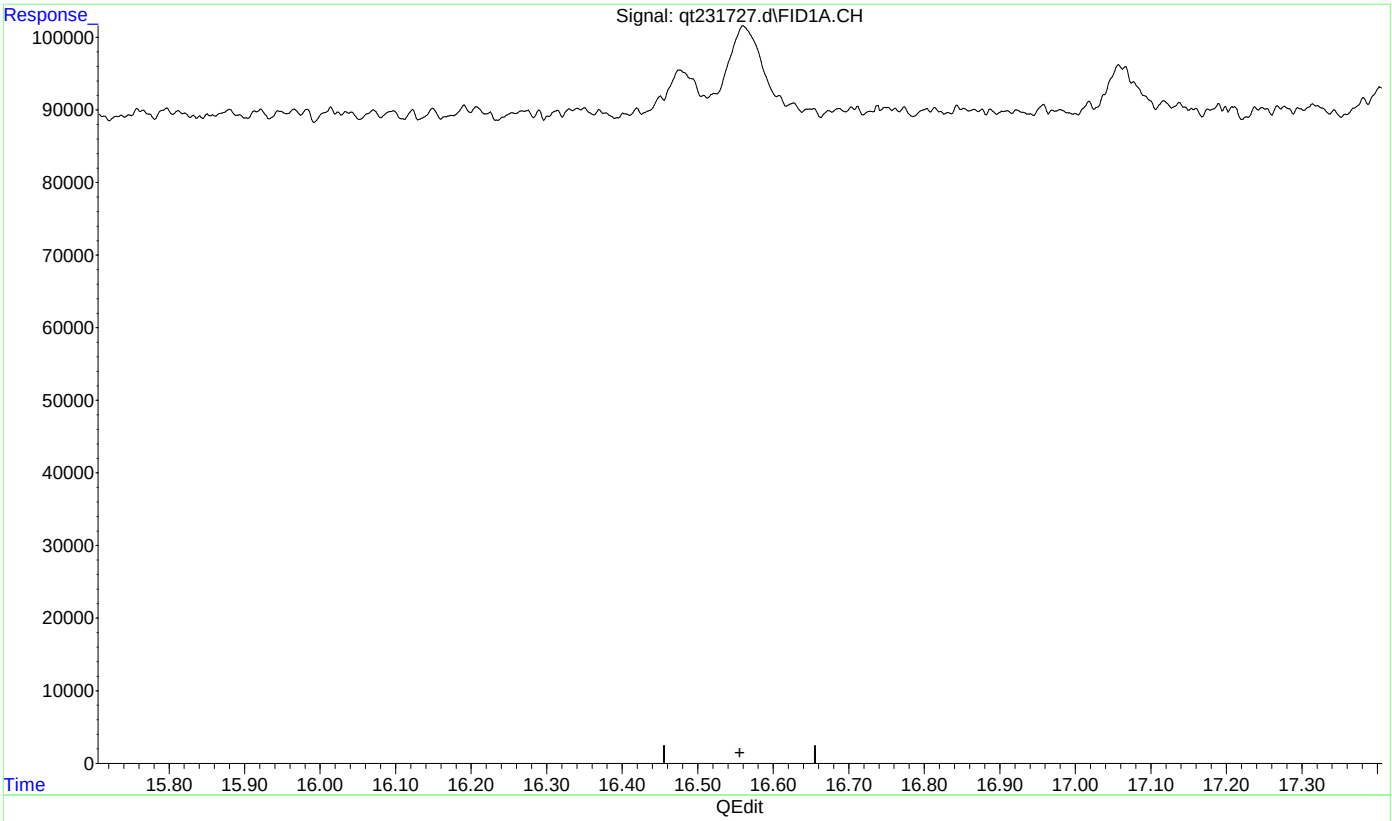
QT231727.D edits: ETHYLBENZENE #2

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(22) m,p-XYLENE #2

16.556min 0.000 PPMV

response 0

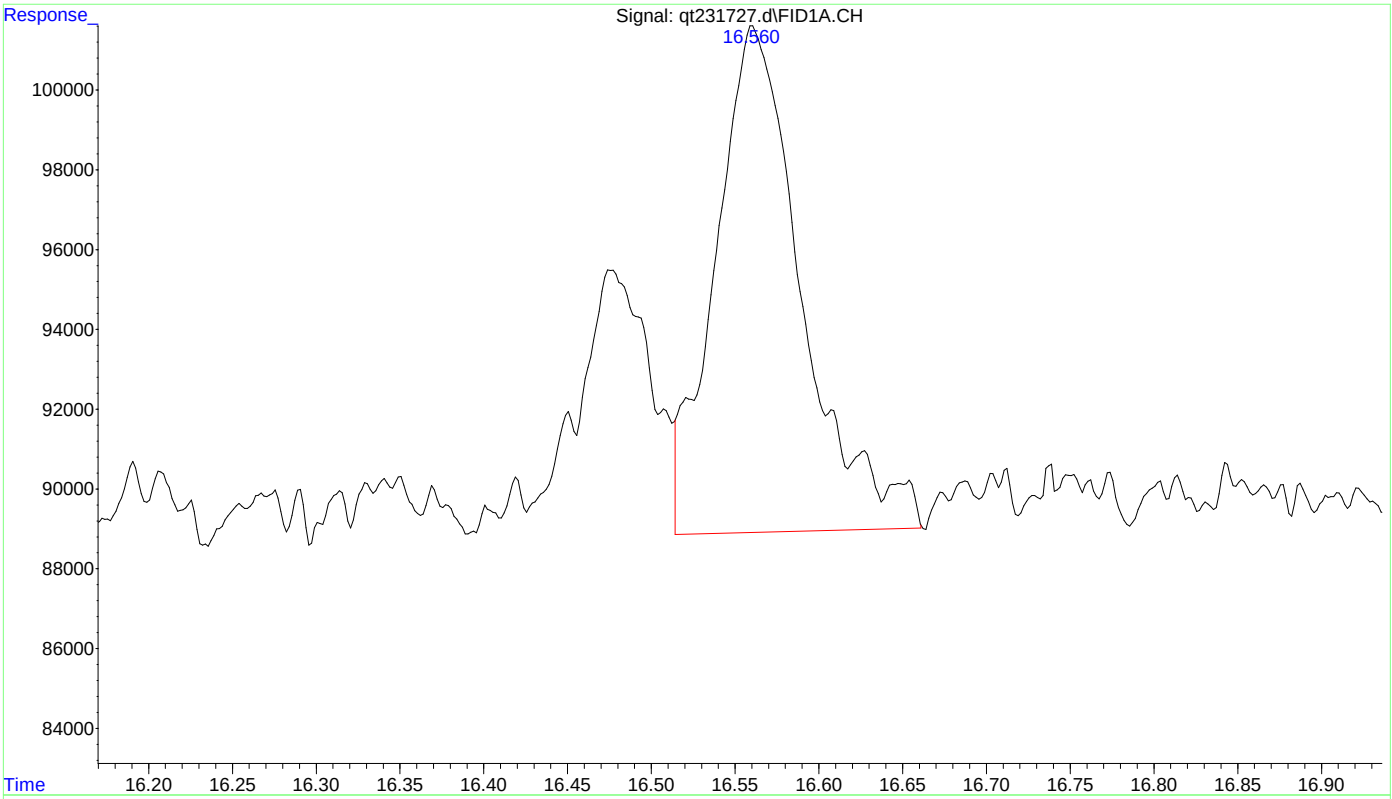
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:04:47 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(22) m,p-XYLENE #2

16.560min 0.229 PPMV m

response 457628

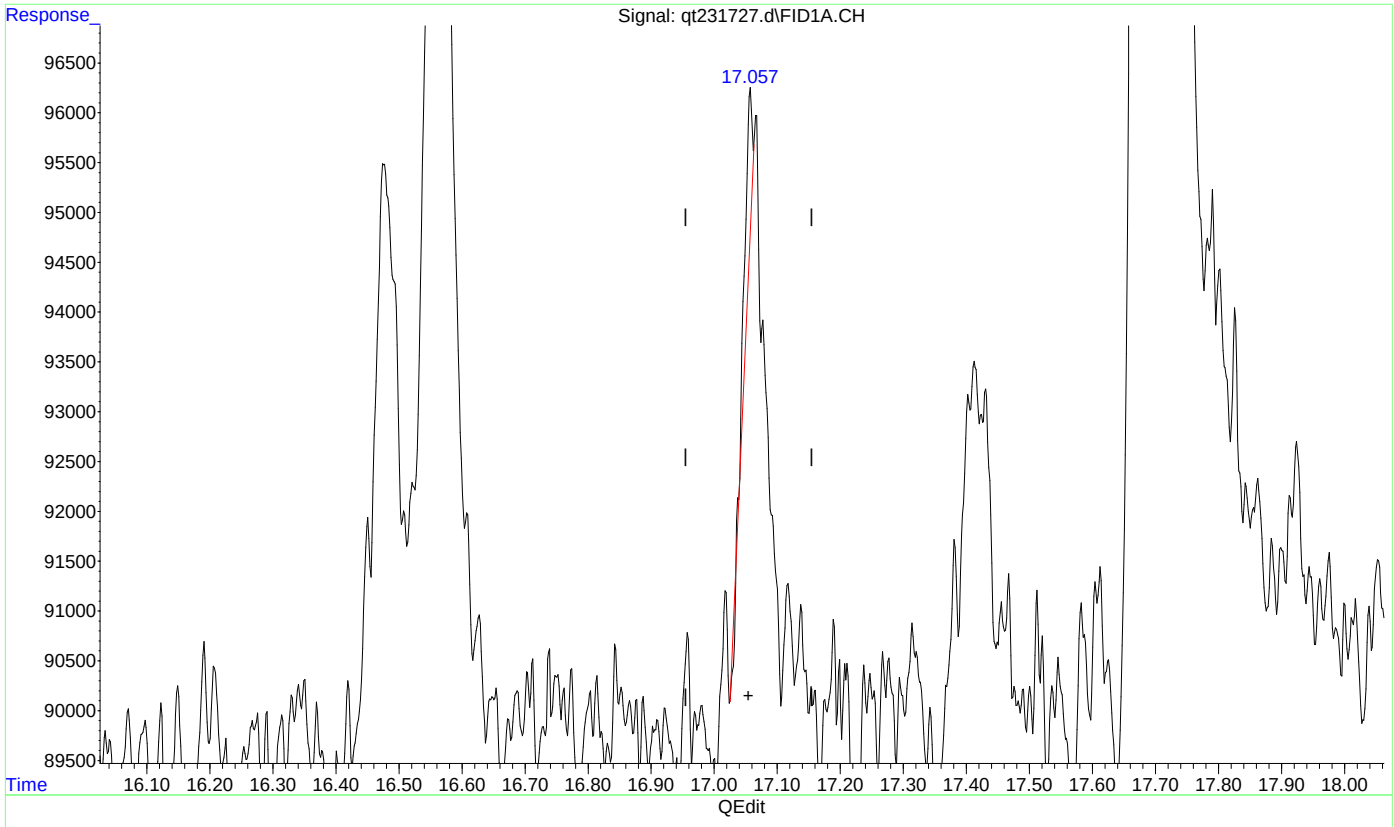
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:05:11 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(23) o-XYLENE #2

17.058min 0.005 PPMV

response 9767

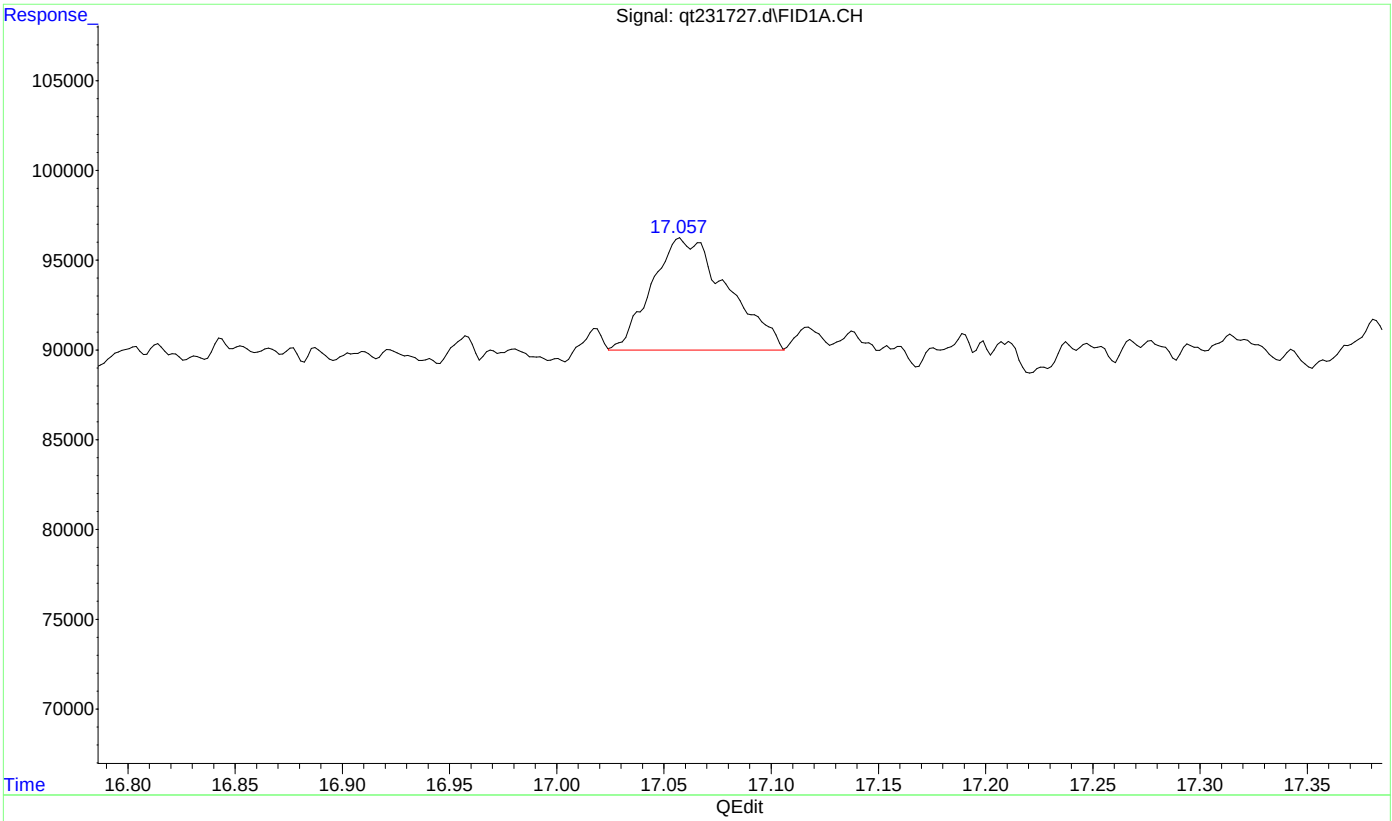
(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:05:19 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231727.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:03:18 (#1); 03-Jan-25, 16:03:17 (#2)
Operator : thomash
Sample   : ic3105-0.1
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 18:57:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3104.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(23) o-XYLENE #2

17.057min 0.080 PPMV m

response 153458

(+) = Expected Retention Time
MQT3104.M Fri Jan 03 19:05:33 2025

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/06/25 21:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 16:49:03
Operator : thomash
Sample : ic3105-0.5
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:37:15 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.693	2643535	9.419 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	94.19%	
26) s	4-Bromofluorobenzene #2	17.694	3048423	9.894 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	98.94%	
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.576	263759	0.559 PPMV
2)	BENZENE	11.216	326212	0.401 PPMV
3)	TOLUENE	14.285	393569	0.490 PPMV m
4)	ETHYLBENZENE	16.478	301250	0.423 PPMV
5)	m,p-XYLENE	16.559	753508	0.760 PPMV
6)	o-XYLENE	17.057	337186	0.447 PPMV m
7)	ISOPROPYLBENZENE	17.409	163961	0.238 PPMV m
11)	METHANE #2	3.766	1676560	5.517 PPMV m
12)	ETHANE #2	3.928	366160	0.508 PPMV m
13)	PROPANE #2	4.260	479980	0.513 PPMV m
14)	n-BUTANE #2	5.193	608331	0.491 PPMV
15)	PENTANE #2	6.867	735884	0.509 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.870	506857	0.522 PPMV
17)	METHYL TERTIARY BUTYL...	8.567	626288	0.533 PPMV
18)	HEXANE #2	8.823	856675	0.511 PPMV
19)	BENZENE #2	11.219	899580	0.515 PPMV
20)	TOLUENE #2	14.291	794621	0.448 PPMV
21)	ETHYLBENZENE #2	16.478	809813	0.450 PPMV
22)	m,p-XYLENE #2	16.559	1647441	0.826 PPMV
23)	o-XYLENE #2	17.059	751887	0.390 PPMV
24)	Isopropylbenzene #2	17.412	400253	0.202 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	707192	0.469 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	1684430	5.600 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	844564	0.487 PPMV
30) H	TPH Range A as Methan...	6.000	1680741	5.527 ppmv
31) H	TPH Range A as Methan...	6.000	1685400	5.498 PPMV
32) H	TPH Range B as Pentan...	12.500	706349	0.470 ppmv
33) H	TPH Range A as Propan...	6.000	477324	0.523 ppmv
34) H	TPH Range B as Hexane #2	12.500	850705	0.495 ppmv

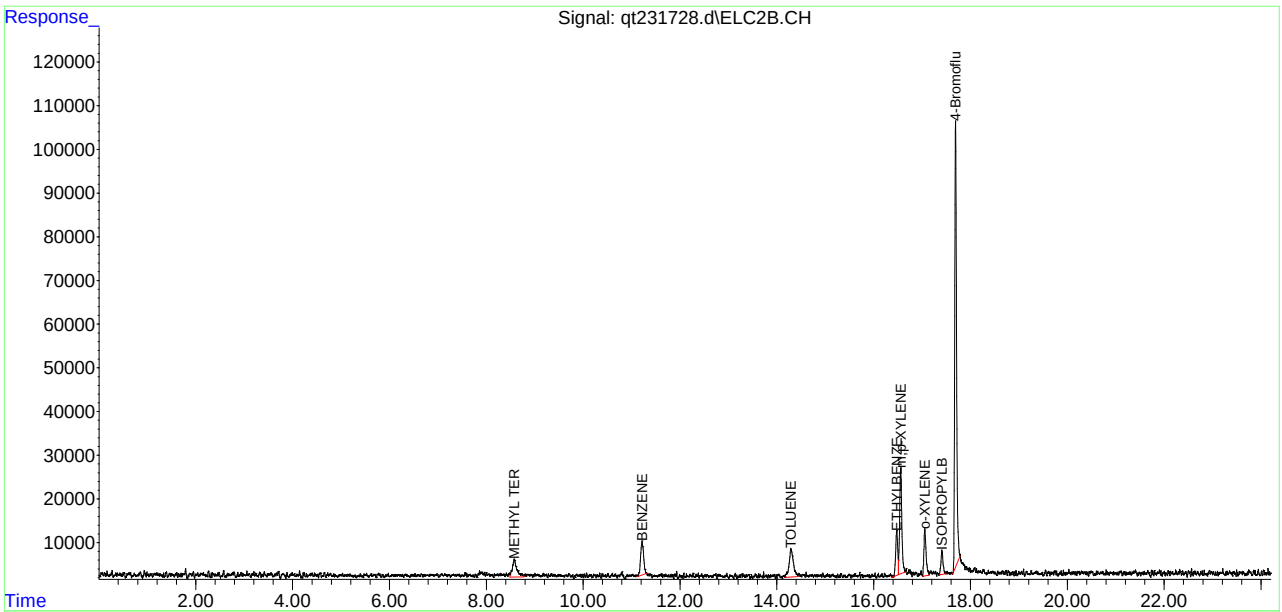
(f)=RT Delta > 1/2 Window (m)=manual int.

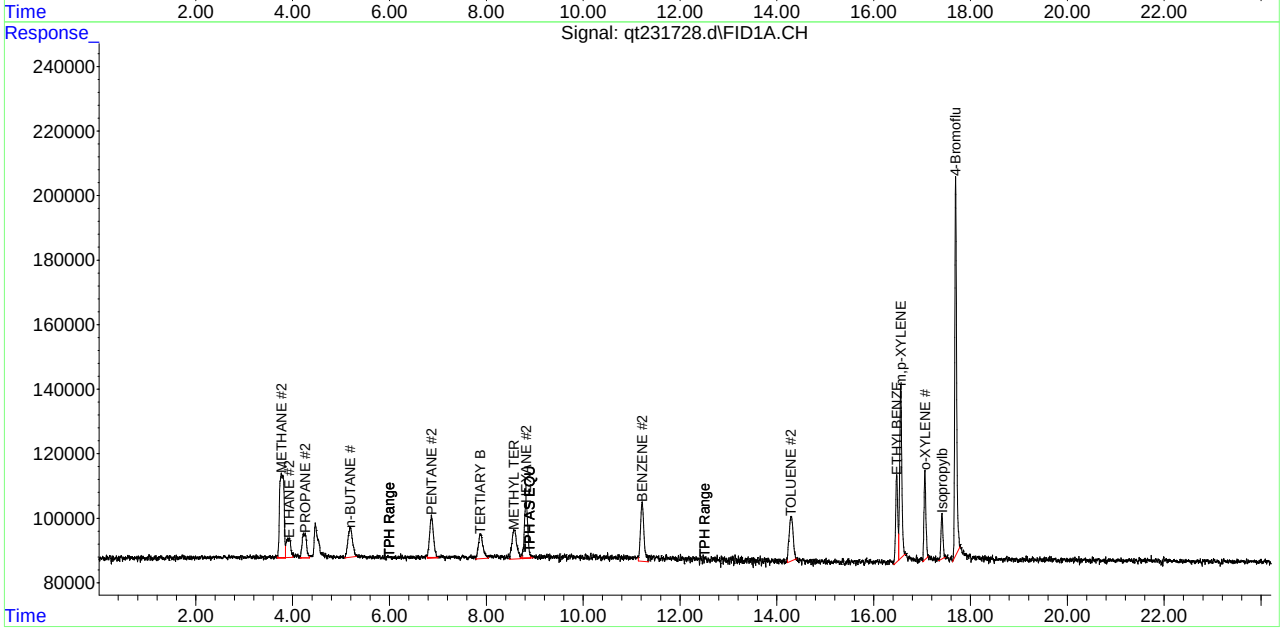
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 16:49:03
Operator : thomash
Sample : ic3105-0.5
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:37:15 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number: GQT3105-IC3105
Lab FileID: QT231728.D
Injection Time: 01/03/25 16:49
Method: EPA TO-3
Analyst approved: 01/06/25 16:49 William Cruser
Supervisor approved: 01/06/25 21:51 Kanya Veerawat

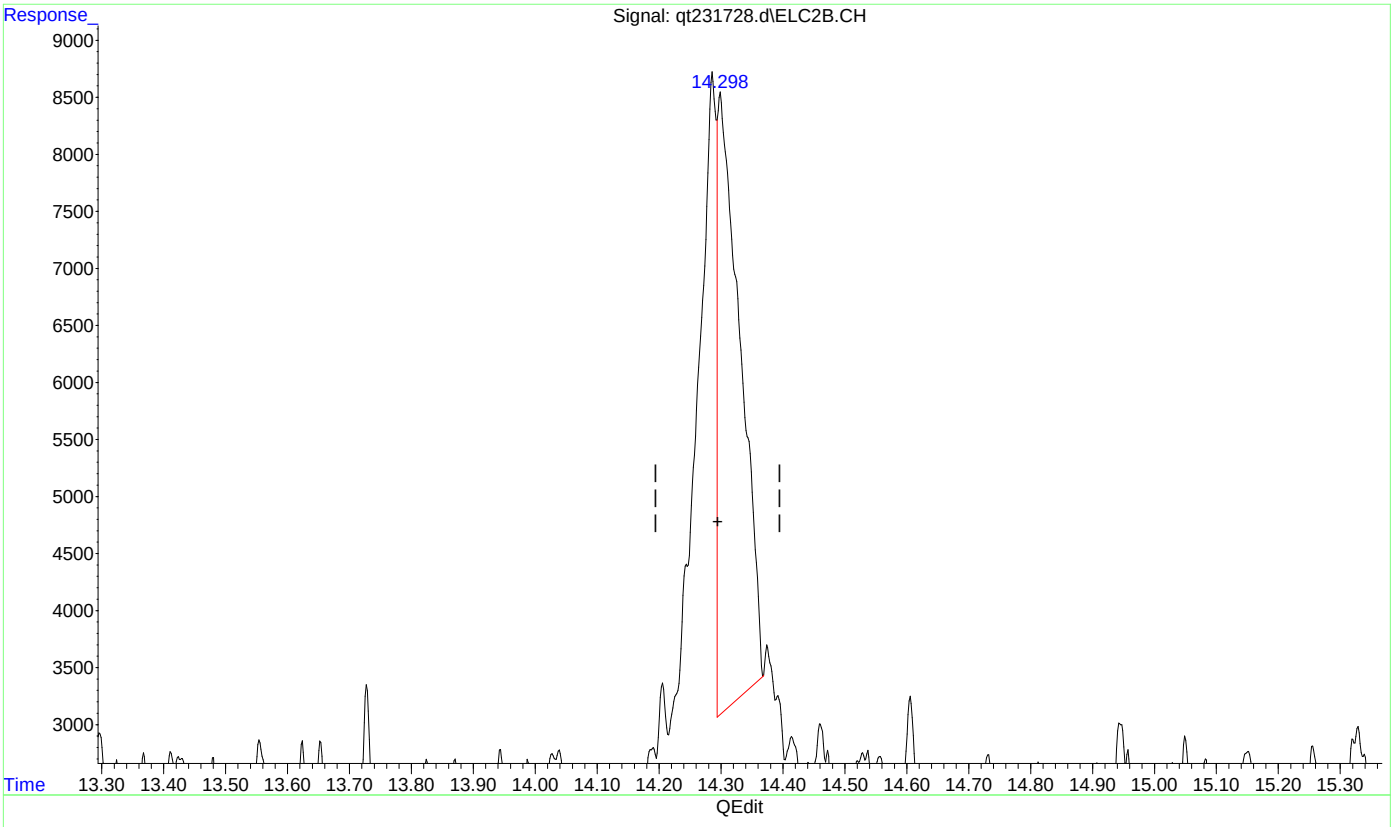
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	2	3.77	Split peak
Ethane	74-84-0	2	3.93	Missed peak
Propane	74-98-6	2	4.26	Split peak
Toluene	108-88-3	1	14.29	Split peak
o-Xylene	95-47-6	1	17.06	Missed peak
Isopropylbenzene	98-82-8	1	17.41	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 16:49:03
Operator : thomash
Sample : ic3105-0.5
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:06:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(3) TOLUENE

14.299min 0.172 PPMV

response 138059

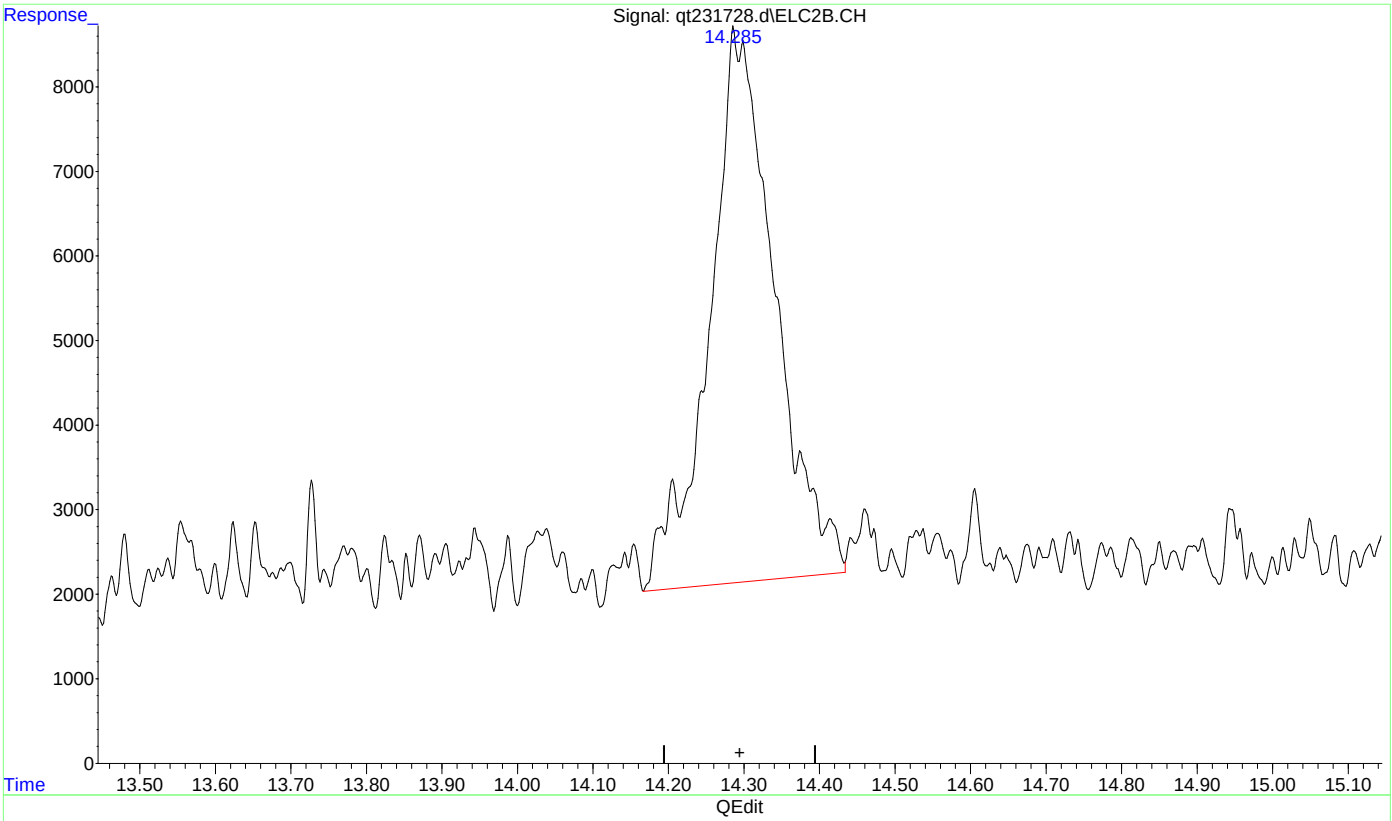
(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:06:46 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:49:03
Operator : thomash
Sample   : ic3105-0.5
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:06:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(3) TOLUENE

14.285min 0.490 PPMV m

response 393569

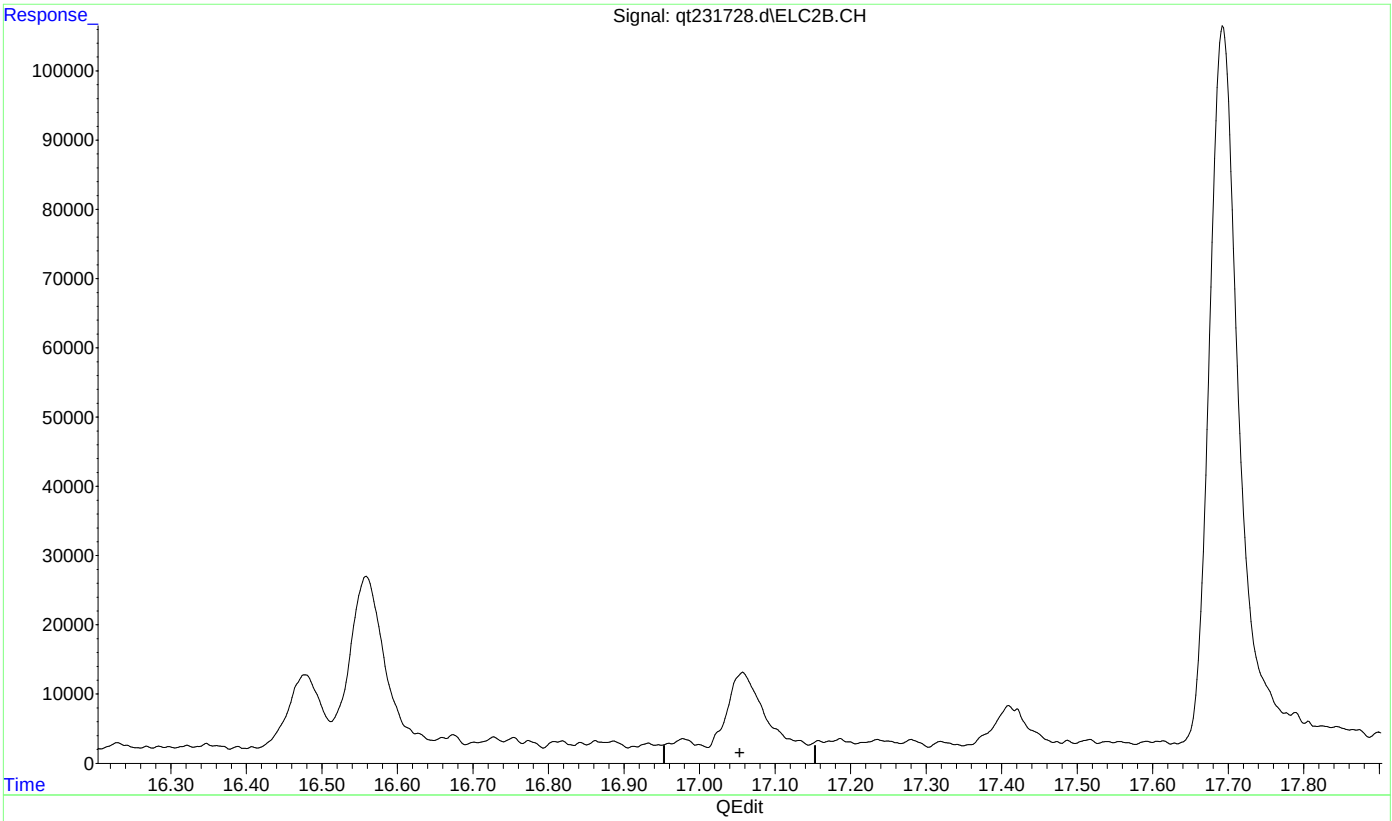
(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:07:00 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:49:03
Operator : thomash
Sample   : ic3105-0.5
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:06:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(6) o-XYLENE

17.053min 0.000 PPMV

response 0

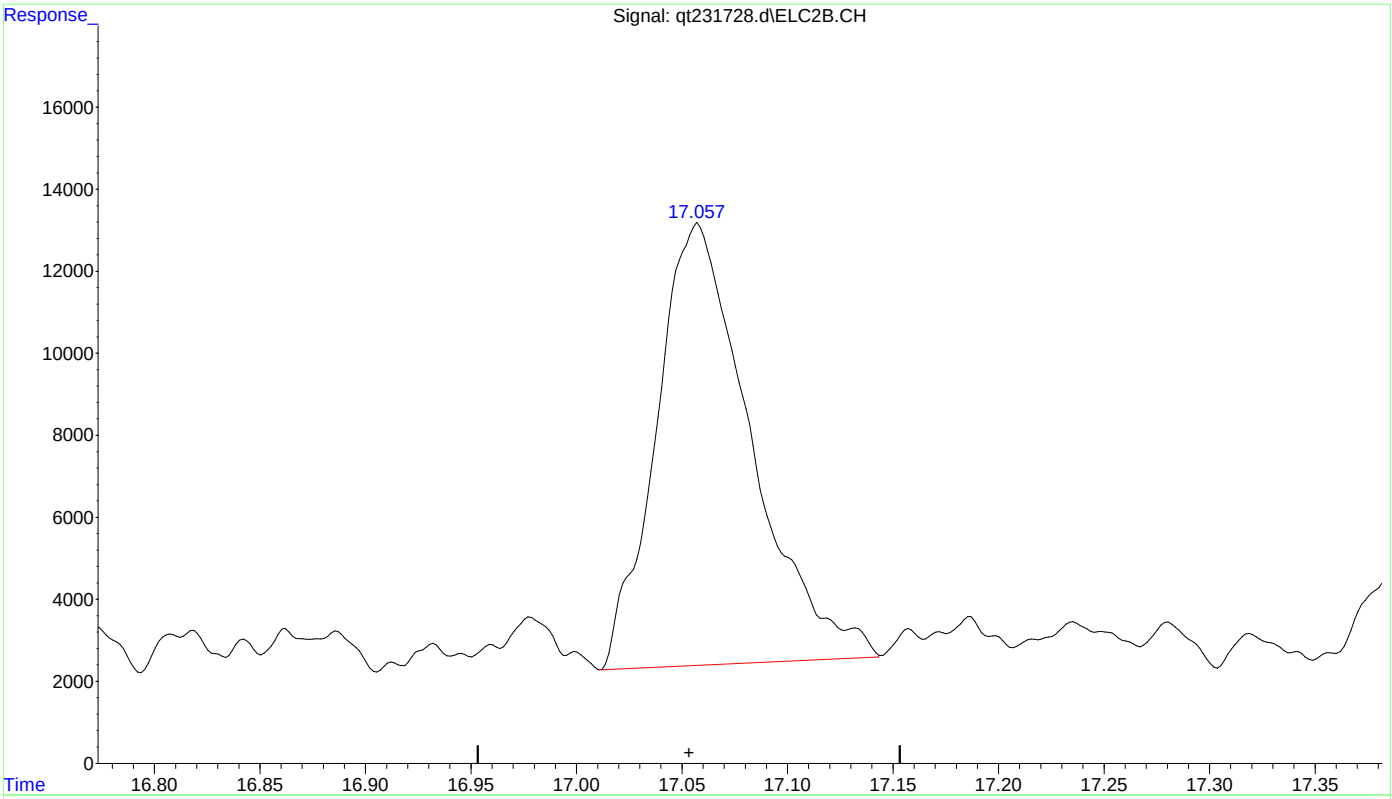
(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:07:09 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:49:03
Operator : thomash
Sample   : ic3105-0.5
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:06:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(6) o-XYLENE

17.057min 0.447 PPMV m

response 337186

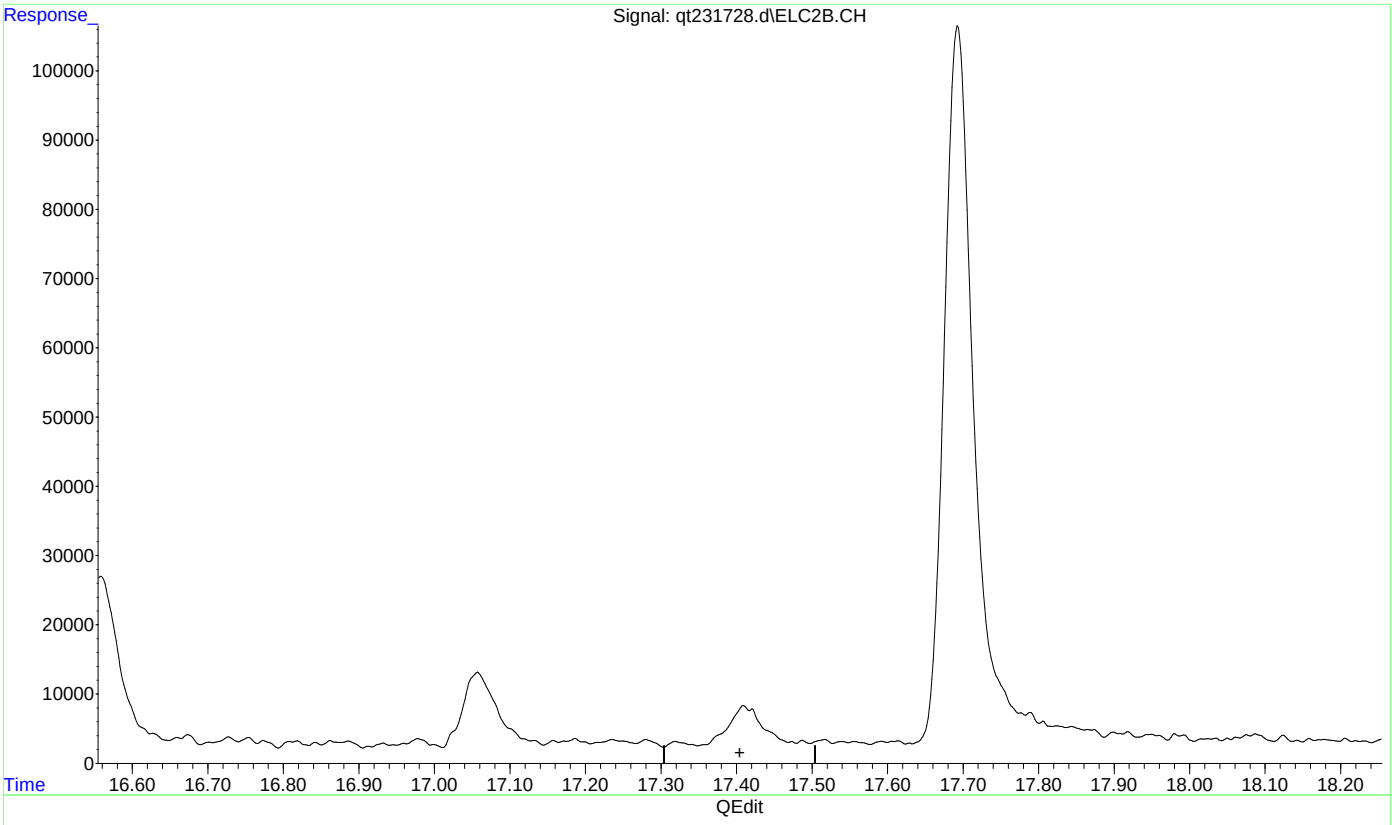
(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:07:21 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 16:49:03
Operator : thomash
Sample : ic3105-0.5
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:06:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(7) ISOPROPYLBENZENE ( )

17.404min 0.000 PPMV

response 0

(+) = Expected Retention Time

MQT3105.M Fri Jan 03 19:07:44 2025 Page: 1

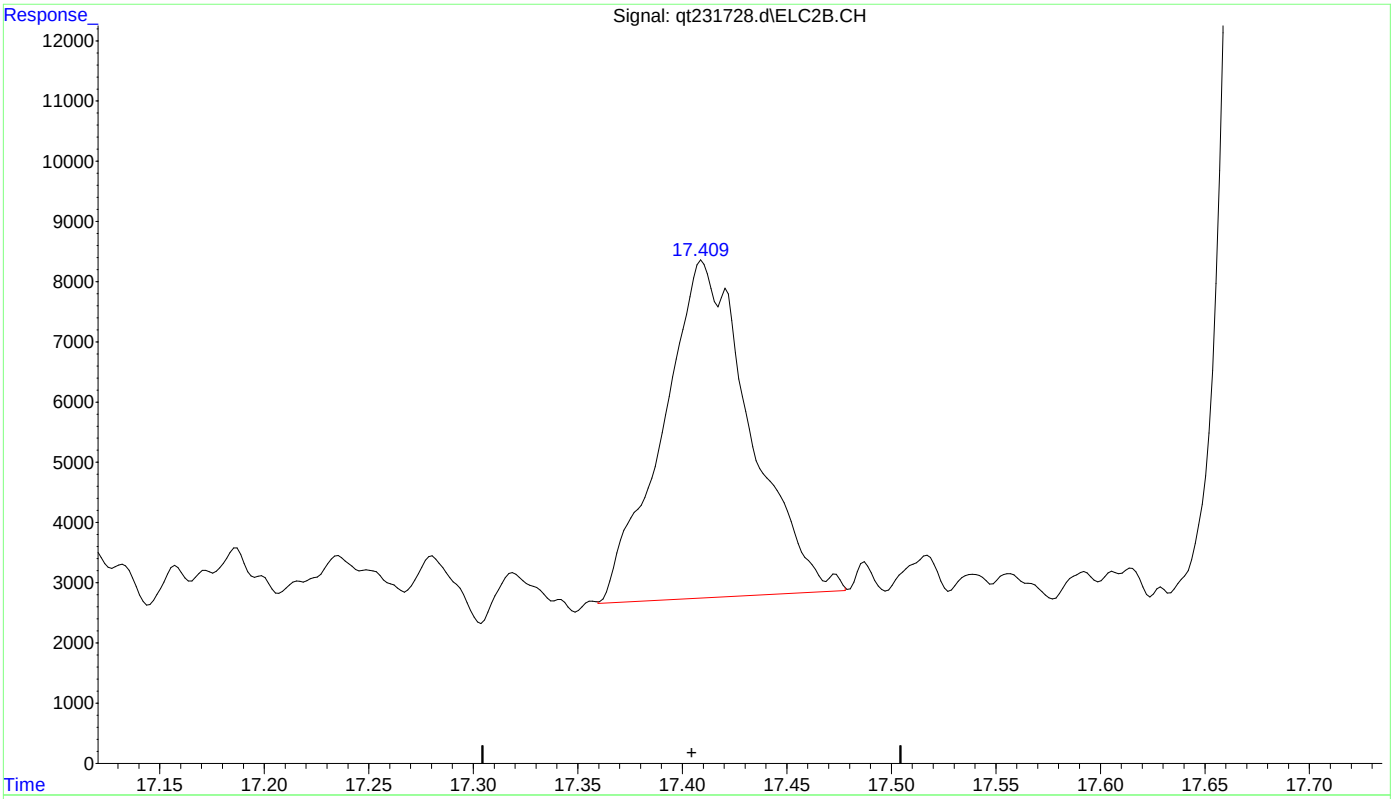
QT231728.D edits: ISOPROPYLBENZENE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 16:49:03
Operator : thomash
Sample : ic3105-0.5
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:06:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(7) ISOPROPYLBENZENE ( )

17.409min 0.238 PPMV m

response 163961

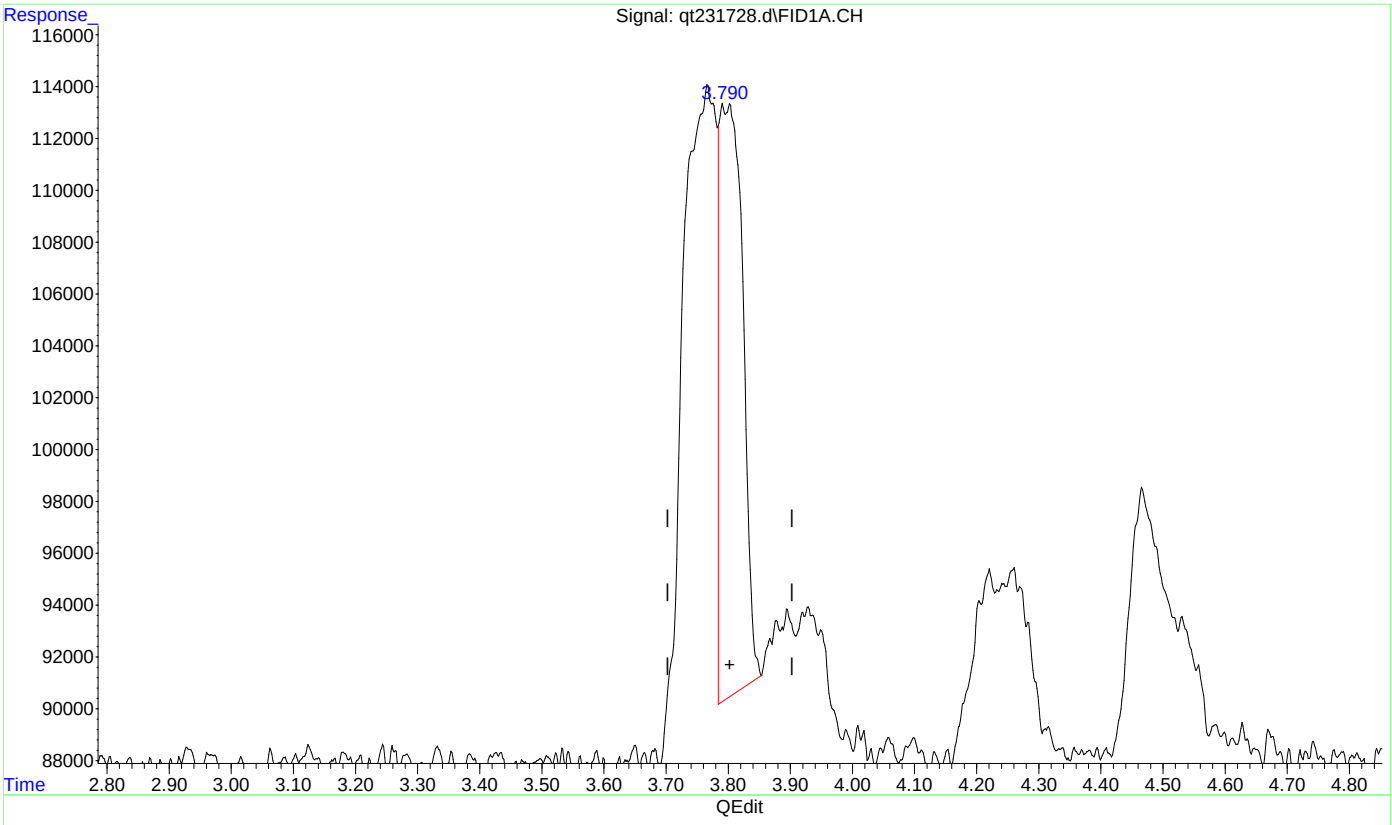
(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:08:00 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 16:49:03
Operator : thomash
Sample : ic3105-0.5
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:06:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(11) METHANE #2

3.802min 1.990 PPMV

response 604639

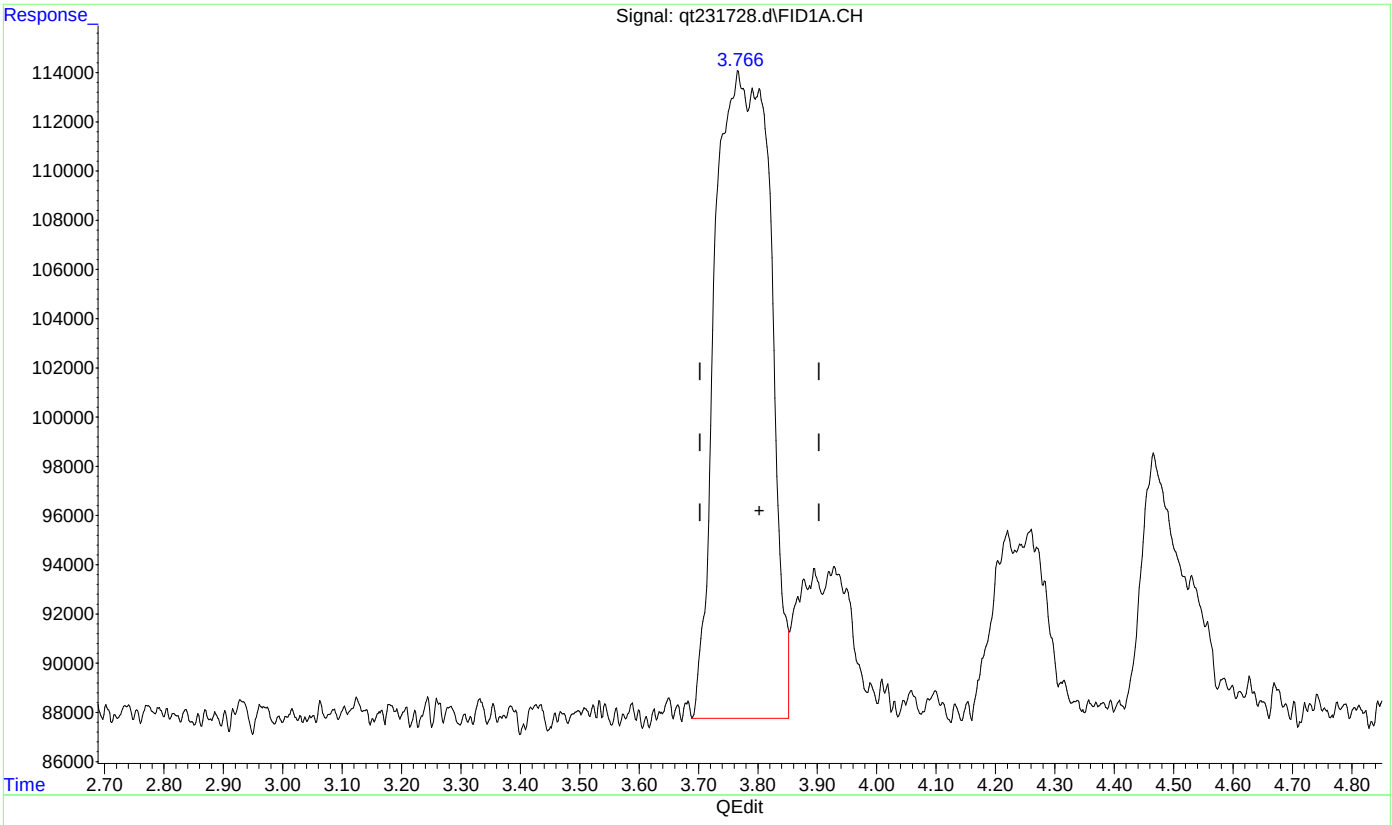
(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:08:37 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:49:03
Operator : thomash
Sample   : ic3105-0.5
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:06:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(11) METHANE #2

3.766min 5.517 PPMV m

response 1676560

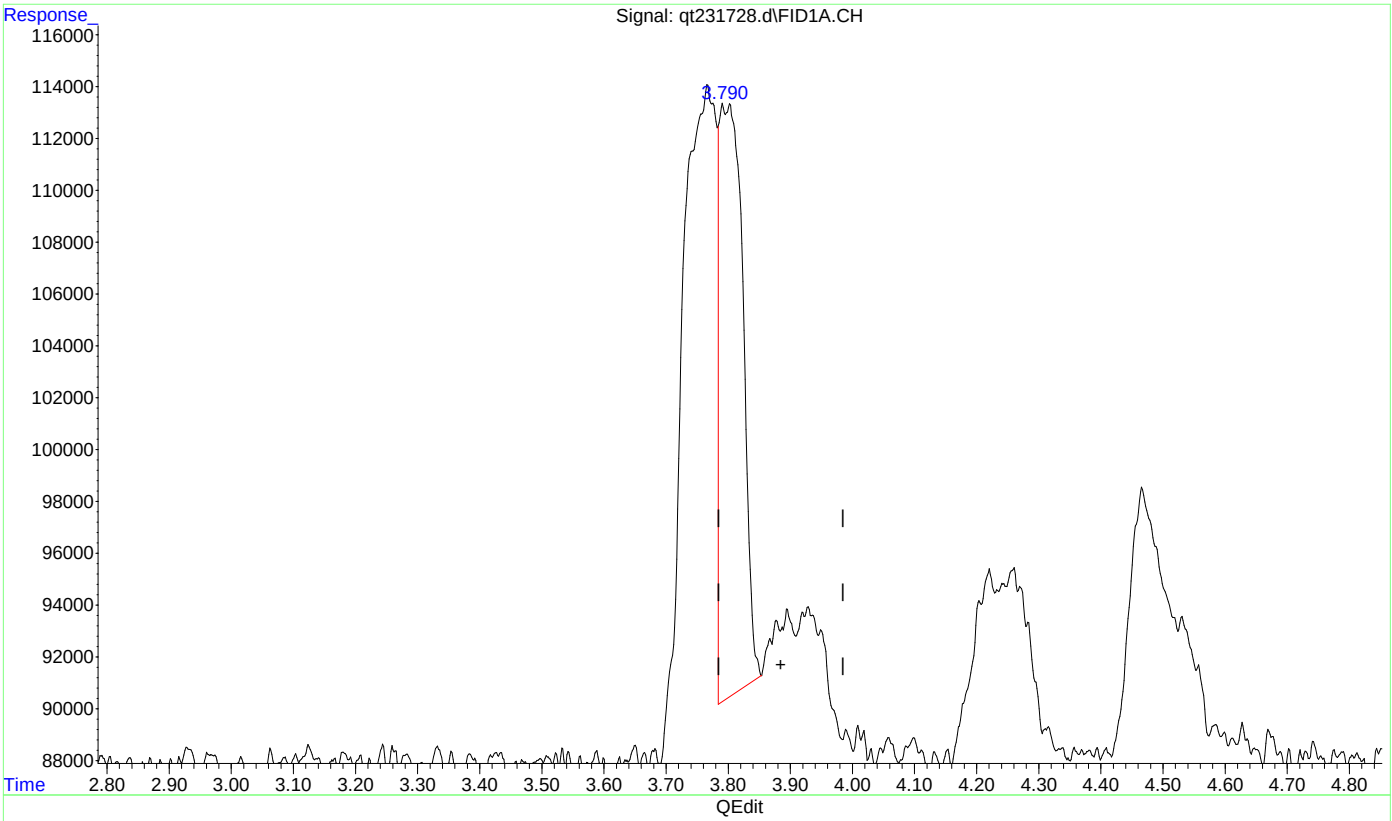
(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:32:48 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 16:49:03
Operator : thomash
Sample : ic3105-0.5
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:06:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(12) ETHANE #2

3.802min 0.838 PPMV

response 604639

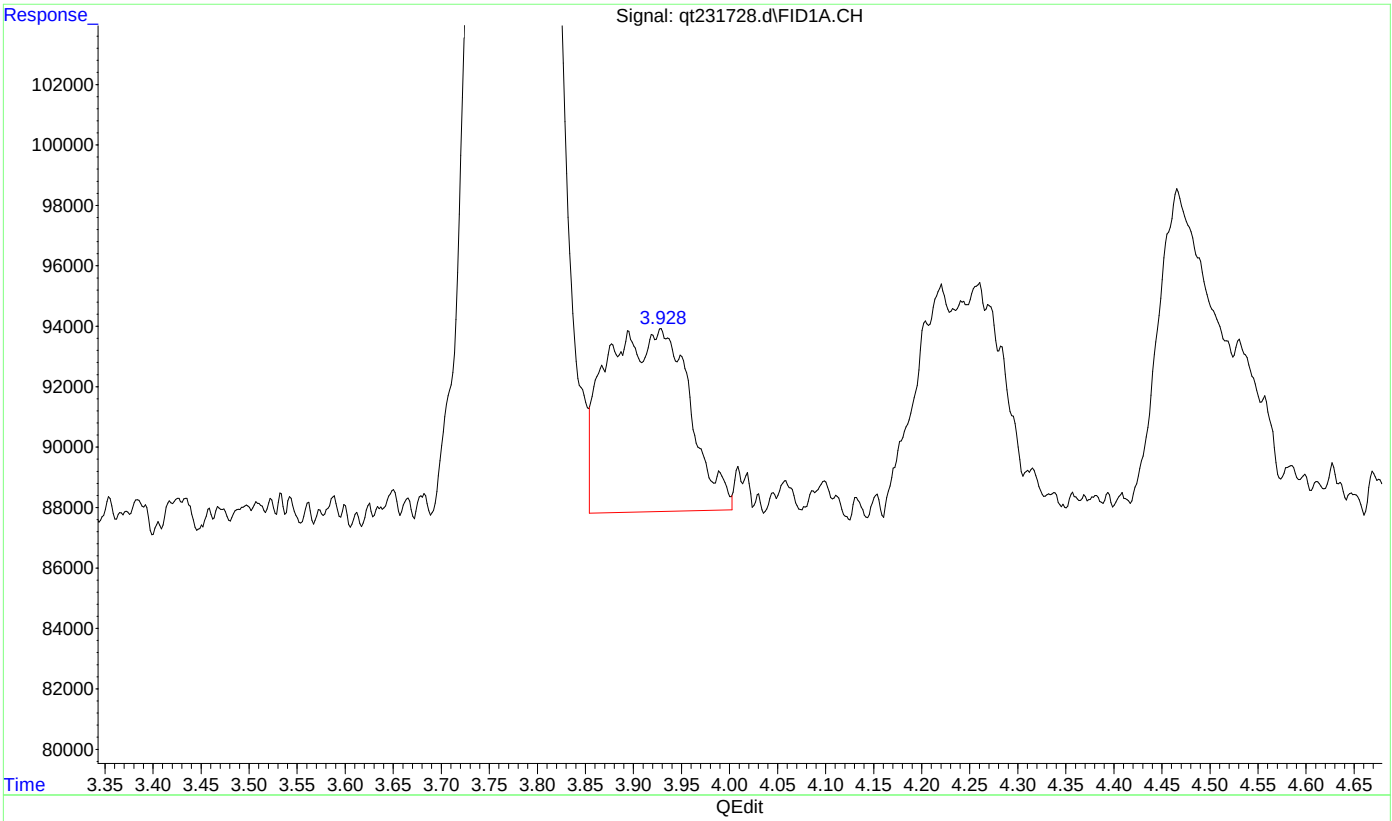
(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:32:55 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 03-Jan-25, 16:49:03
Operator : thomash
Sample   : ic3105-0.5
Misc   : GC64219,GQT3105,,,,,1
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:06:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(12) ETHANE #2

3.928min 0.508 PPMV m

response 366160

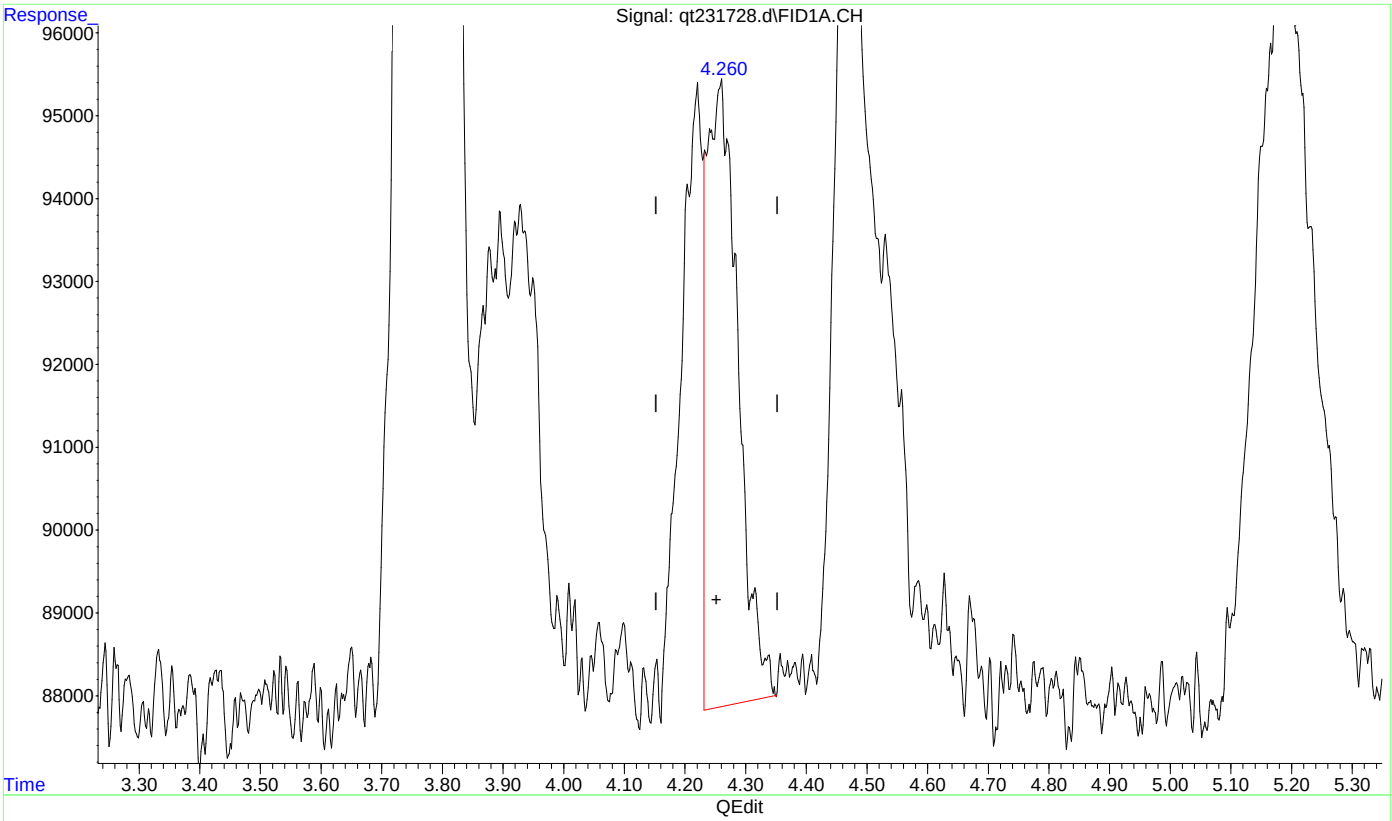
(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:33:19 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 16:49:03
Operator : thomash
Sample : ic3105-0.5
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:06:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(13) PROPANE #2

4.258min 0.291 PPMV

response 272211

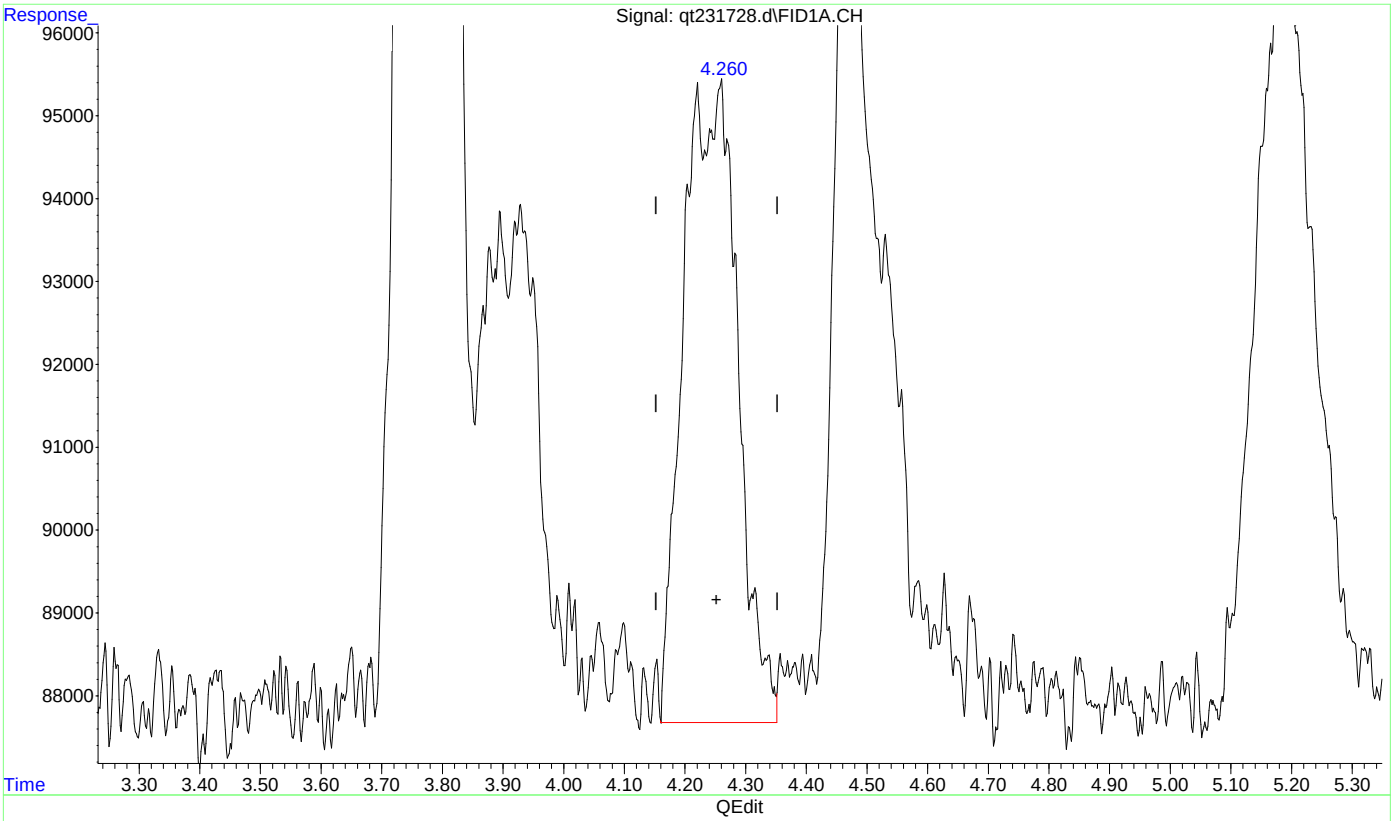
(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:33:27 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231728.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 16:49:03
Operator : thomash
Sample : ic3105-0.5
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:06:35 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(13) PROPANE #2

4.260min 0.513 PPMV m

response 479980

(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:33:50 2025

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/06/25 21:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231729.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 17:25:38
Operator : thomash
Sample : ic3105-1.0
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:44:19 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.694	2707381	9.646 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	96.46%	
26) s	4-Bromofluorobenzene #2	17.695	3102016	10.068 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	100.68%	
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.591	554578	1.176 PPMV
2)	BENZENE	11.229	673408	0.829 PPMV
3)	TOLUENE	14.302	688778	0.858 PPMV
4)	ETHYLBENZENE	16.477	639329	0.898 PPMV
5)	m,p-XYLENE	16.560	1640171	1.655 PPMV
6)	o-XYLENE	17.060	580883	0.769 PPMV
7)	ISOPROPYLBENZENE	17.410	258688	0.375 PPMV m
11)	METHANE #2	3.801	3006933	9.895 PPMV
12)	ETHANE #2	3.933	670761	0.930 PPMV
13)	PROPANE #2	4.238	887603	0.948 PPMV
14)	n-BUTANE #2	5.196	1260020	1.016 PPMV
15)	PENTANE #2	6.889	1399872	0.969 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.899	940378	0.969 PPMV
17)	METHYL TERTIARY BUTYL...	8.593	1190143	1.013 PPMV
18)	HEXANE #2	8.839	1614531	0.963 PPMV
19)	BENZENE #2	11.229	1666820	0.953 PPMV
20)	TOLUENE #2	14.301	1747305	0.985 PPMV
21)	ETHYLBENZENE #2	16.478	1559381	0.867 PPMV
22)	m,p-XYLENE #2	16.561	3281238	1.644 PPMV
23)	o-XYLENE #2	17.061	1500168	0.777 PPMV
24)	Isopropylbenzene #2	17.411	799624	0.403 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	1534023	1.017 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	3043546	10.118 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	1711035	0.987 PPMV
30) H	TPH Range A as Methan...	6.000	3081945	10.135 ppmv
31) H	TPH Range A as Methan...	6.000	3065829	10.002 PPMV
32) H	TPH Range B as Pentan...	12.500	1542556	1.027 ppmv
33) H	TPH Range A as Propan...	6.000	877012	0.961 ppmv
34) H	TPH Range B as Hexane #2	12.500	1712265	0.996 ppmv

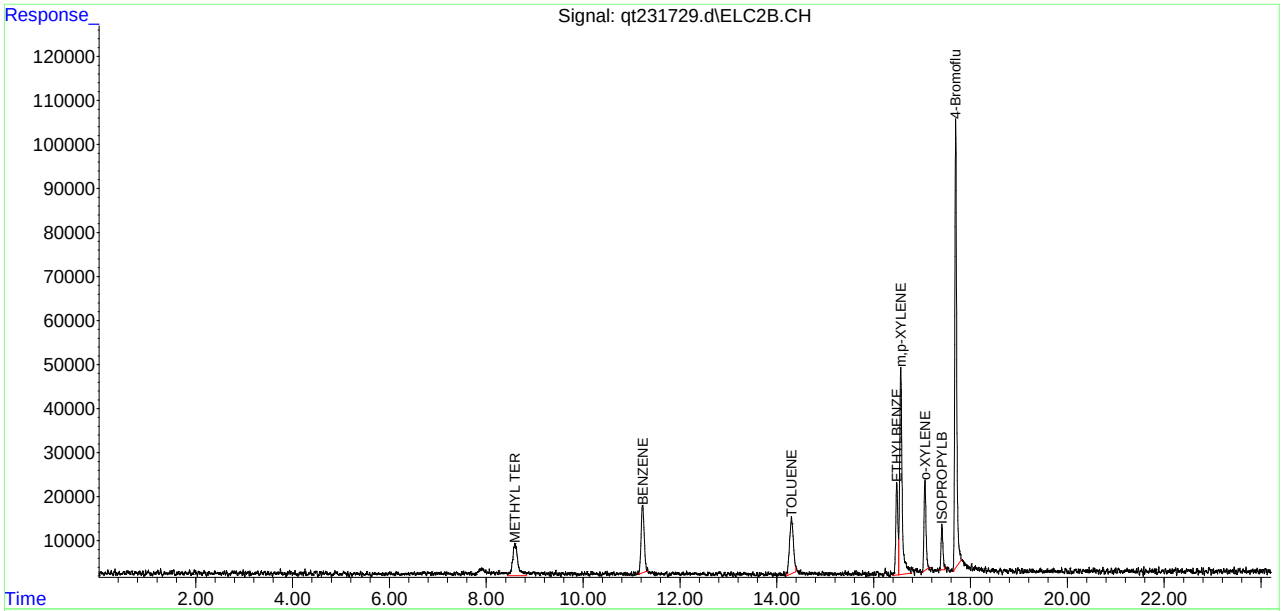
(f)=RT Delta > 1/2 Window (m)=manual int.

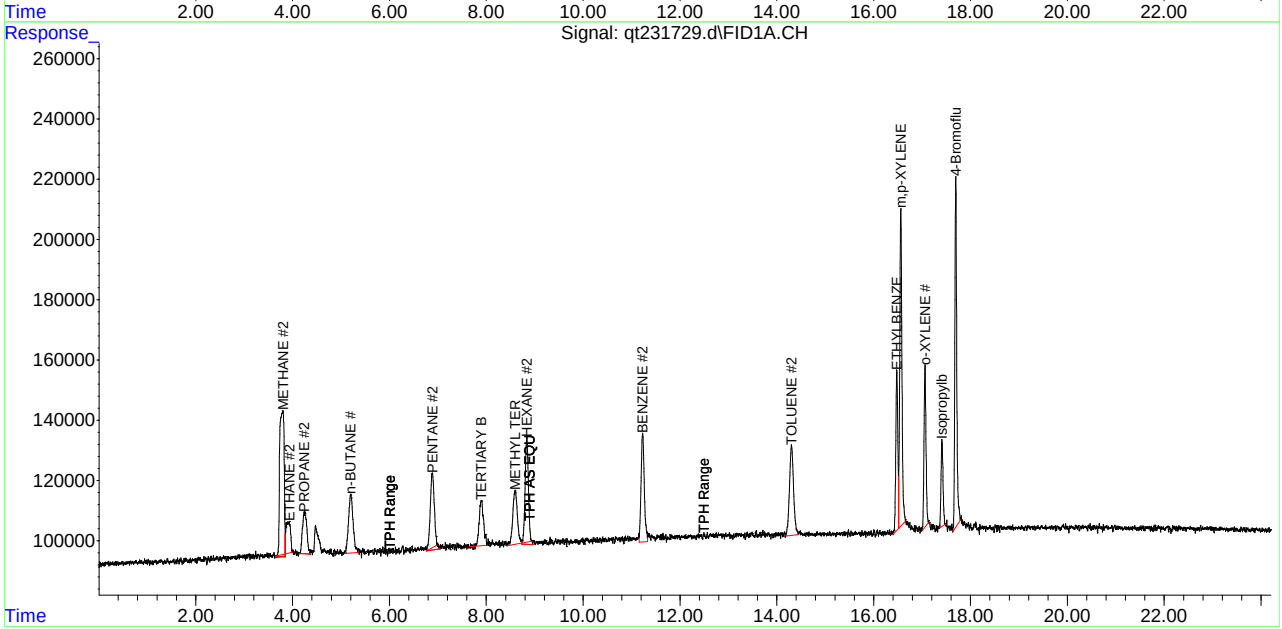
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231729.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 17:25:38
Operator : thomash
Sample : ic3105-1.0
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:44:19 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number: GQT3105-IC3105
Lab FileID: QT231729.D
Injection Time: 01/03/25 17:25
Method: EPA TO-3
Analyst approved: 01/06/25 16:49 William Cruser
Supervisor approved: 01/06/25 21:51 Kanya Veerawat

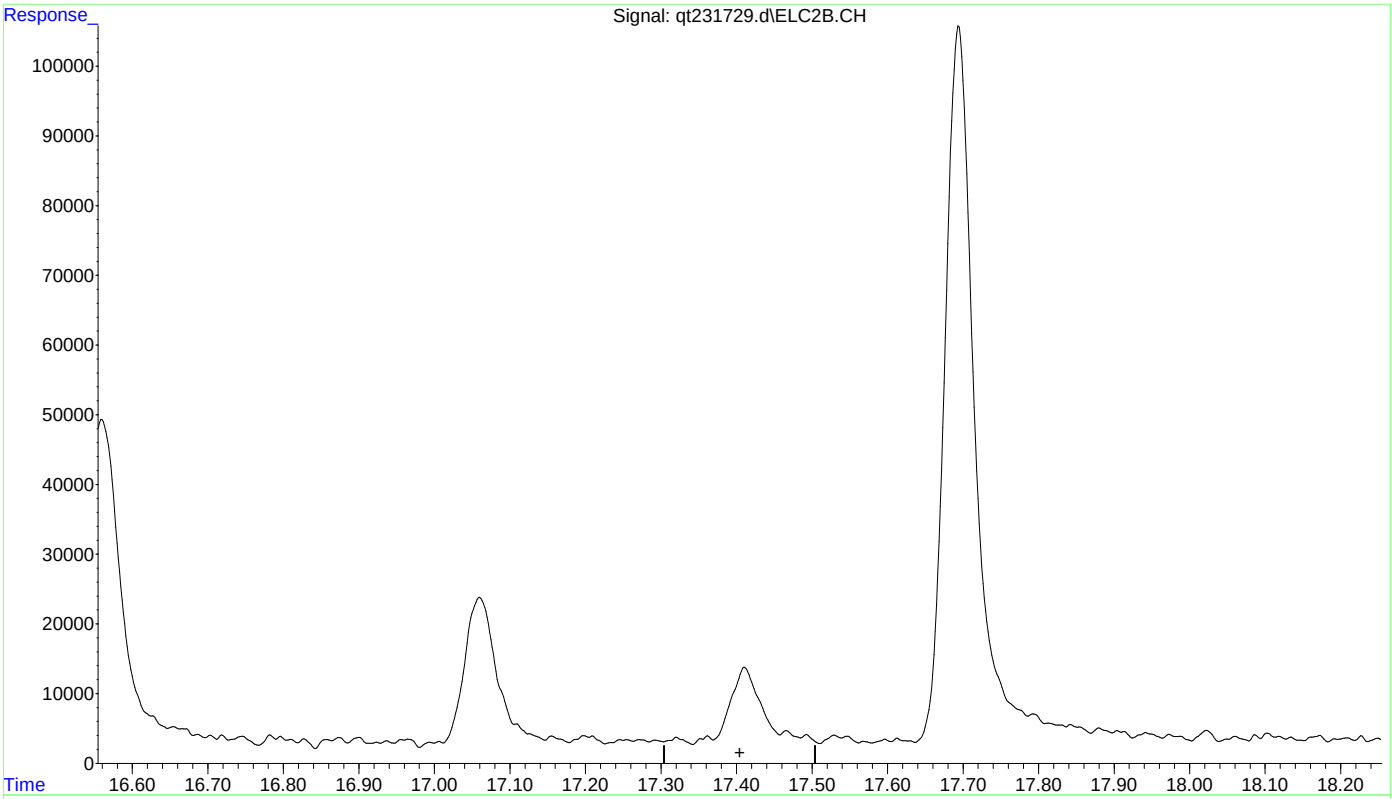
Parameter	CAS	Sig#	R.T. (min.)	Reason
Isopropylbenzene	98-82-8	1	17.41	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231729.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 17:25:38
Operator : thomash
Sample : ic3105-1.0
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:40:16 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(7) ISOPROPYLBENZENE ( )

17.404min 0.000 PPMV

response 0

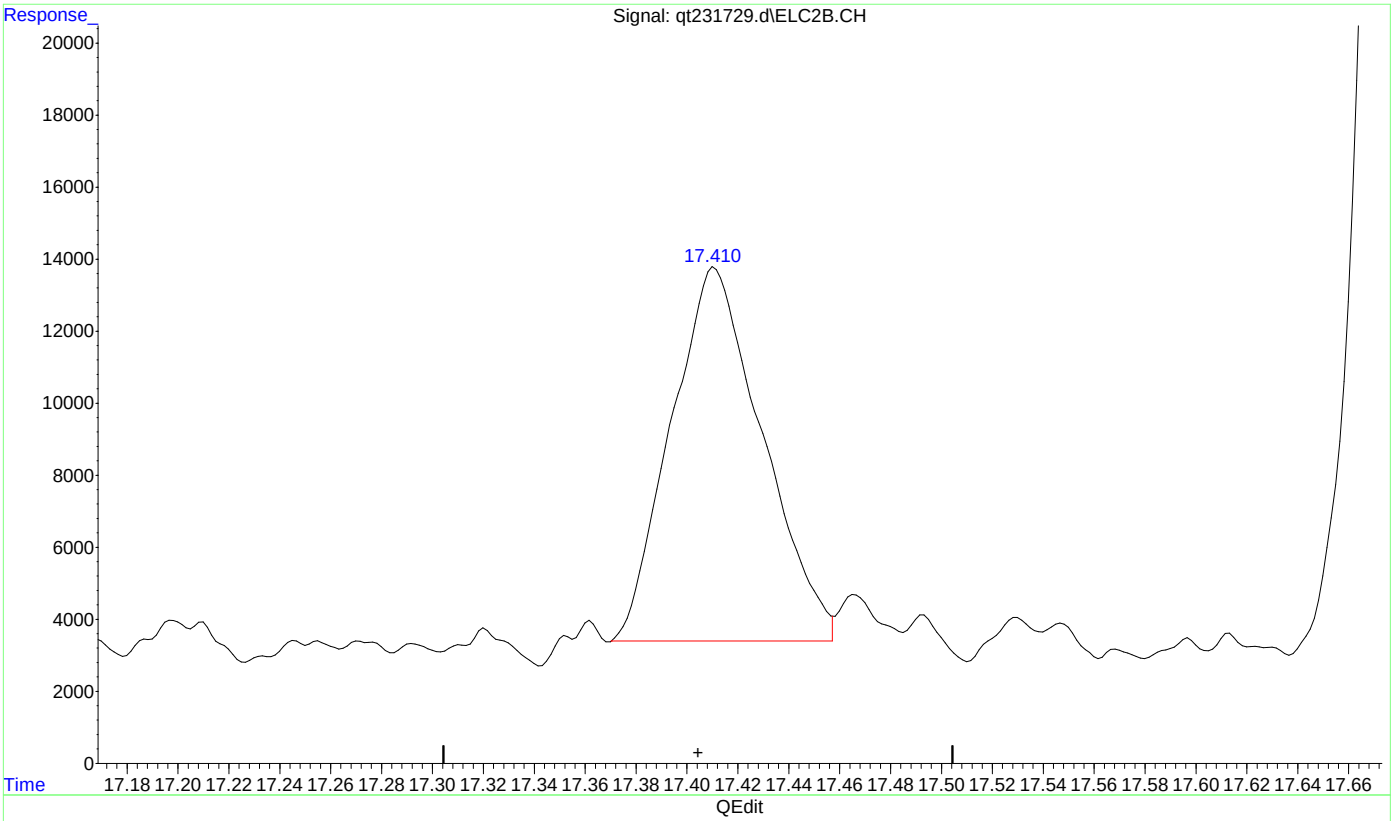
(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:40:28 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231729.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 17:25:38
Operator : thomash
Sample : ic3105-1.0
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:40:16 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(7) ISOPROPYLBENZENE ( )

17.410min 0.375 PPMV m

response 258688

(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:40:45 2025

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/06/25 21:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231730.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 18:04:45
Operator : thomash
Sample : ic3105-5.0
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:52:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.693	2679309	9.546 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	95.46%
26) s	4-Bromofluorobenzene #2	17.695	2954389	9.589 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	95.89%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.582	2242130	4.755 PPMV
2)	BENZENE	11.223	3583929	4.411 PPMV
3)	TOLUENE	14.298	3662901	4.564 PPMV
4)	ETHYLBENZENE	16.476	3248484	4.564 PPMV
5)	m,p-XYLENE	16.559	8858963	8.937 PPMV
6)	o-XYLENE	17.059	3218279	4.263 PPMV
7)	ISOPROPYLBENZENE	17.409	1513215	2.196 PPMV
11)	METHANE #2	3.800	14202697	46.737 PPMV m
12)	ETHANE #2	3.881	3568708	4.948 PPMV m
13)	PROPANE #2	4.253	4421364	4.724 PPMV
14)	n-BUTANE #2	5.194	6020507	4.855 PPMV
15)	PENTANE #2	6.877	7139382	4.940 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.884	4762376	4.909 PPMV
17)	METHYL TERTIARY BUTYL...	8.582	5613225	4.779 PPMV
18)	HEXANE #2	8.829	8136047	4.855 PPMV
19)	BENZENE #2	11.224	8158085	4.667 PPMV
20)	TOLUENE #2	14.299	8684921	4.897 PPMV
21)	ETHYLBENZENE #2	16.477	8337481	4.635 PPMV
22)	m,p-XYLENE #2	16.560	18616434	9.330 PPMV
23)	o-XYLENE #2	17.060	8471820	4.389 PPMV
24)	Isopropylbenzene #2	17.411	4755985	2.396 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	7413501	4.917 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	14179474	47.138 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	8337153	4.809 PPMV
30) H	TPH Range A as Methan...	6.000	14178235	46.625 ppmv
31) H	TPH Range A as Methan...	6.000	14164278	46.208 PPMV
32) H	TPH Range B as Pentan...	12.500	7364365	4.901 ppmv
33) H	TPH Range A as Propan...	6.000	4428675	4.855 ppmv
34) H	TPH Range B as Hexane #2	12.500	8332560	4.845 ppmv

(f)=RT Delta > 1/2 Window (m)=manual int.

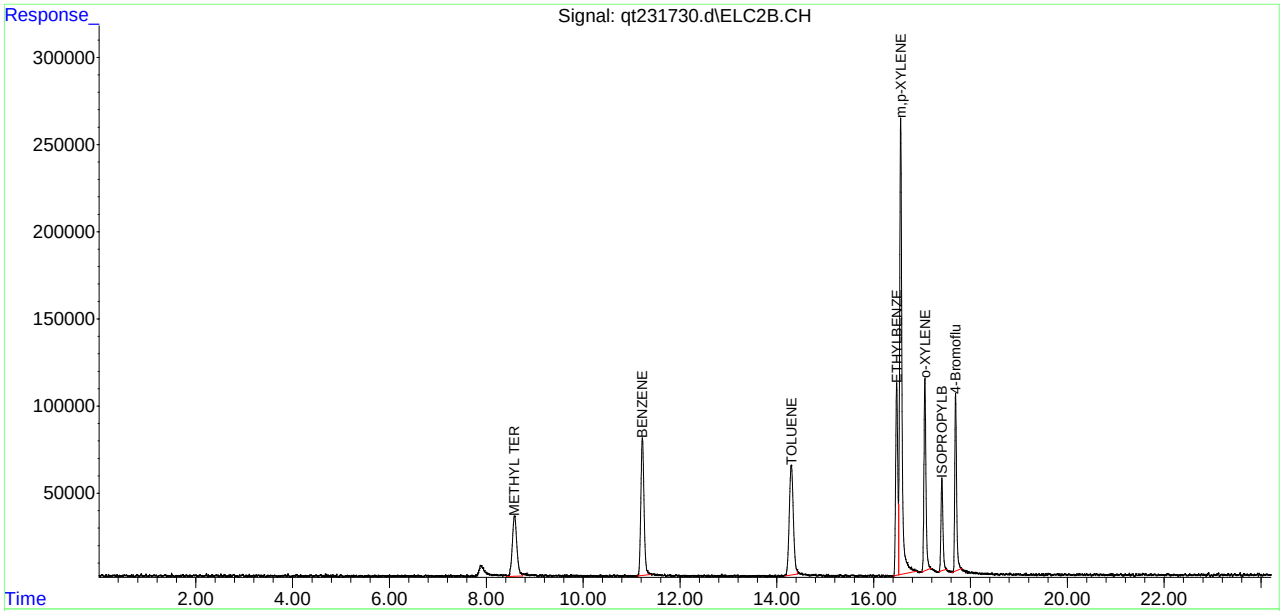
9.5.5

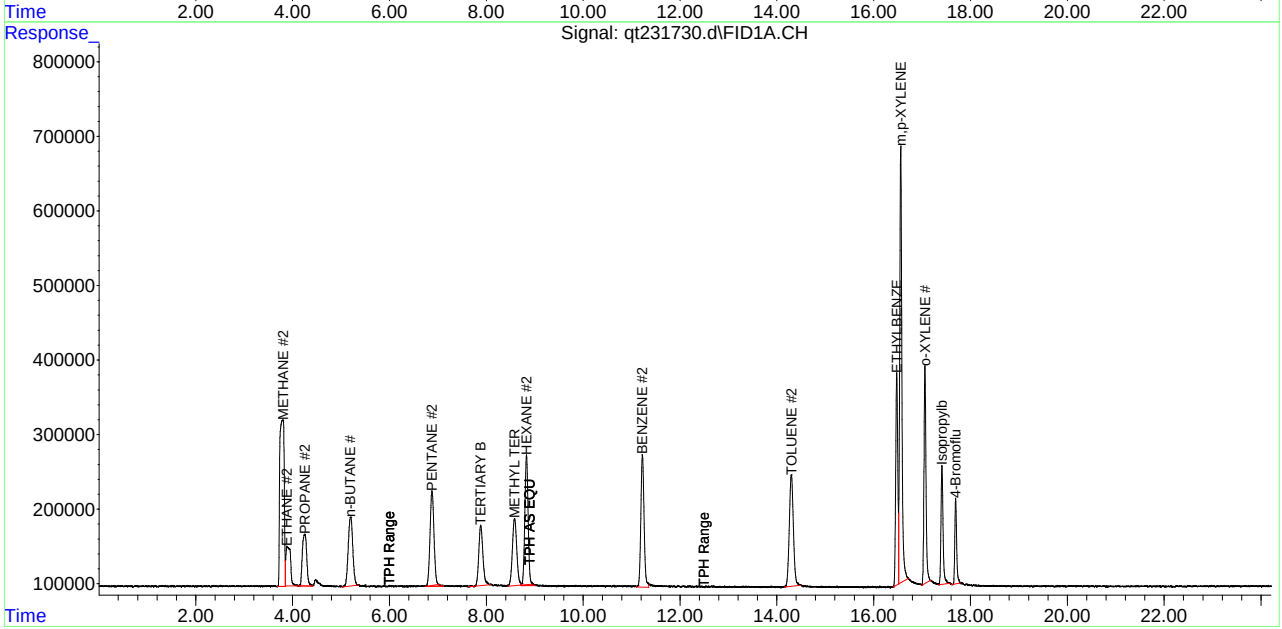
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231730.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 18:04:45
Operator : thomash
Sample : ic3105-5.0
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:52:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number: GQT3105-IC3105 **Method:** EPA TO-3
Lab FileID: QT231730.D **Analyst approved:** 01/06/25 16:49 William Cruser
Injection Time: 01/03/25 18:04 **Supervisor approved:** 01/06/25 21:51 Kanya Veerawat

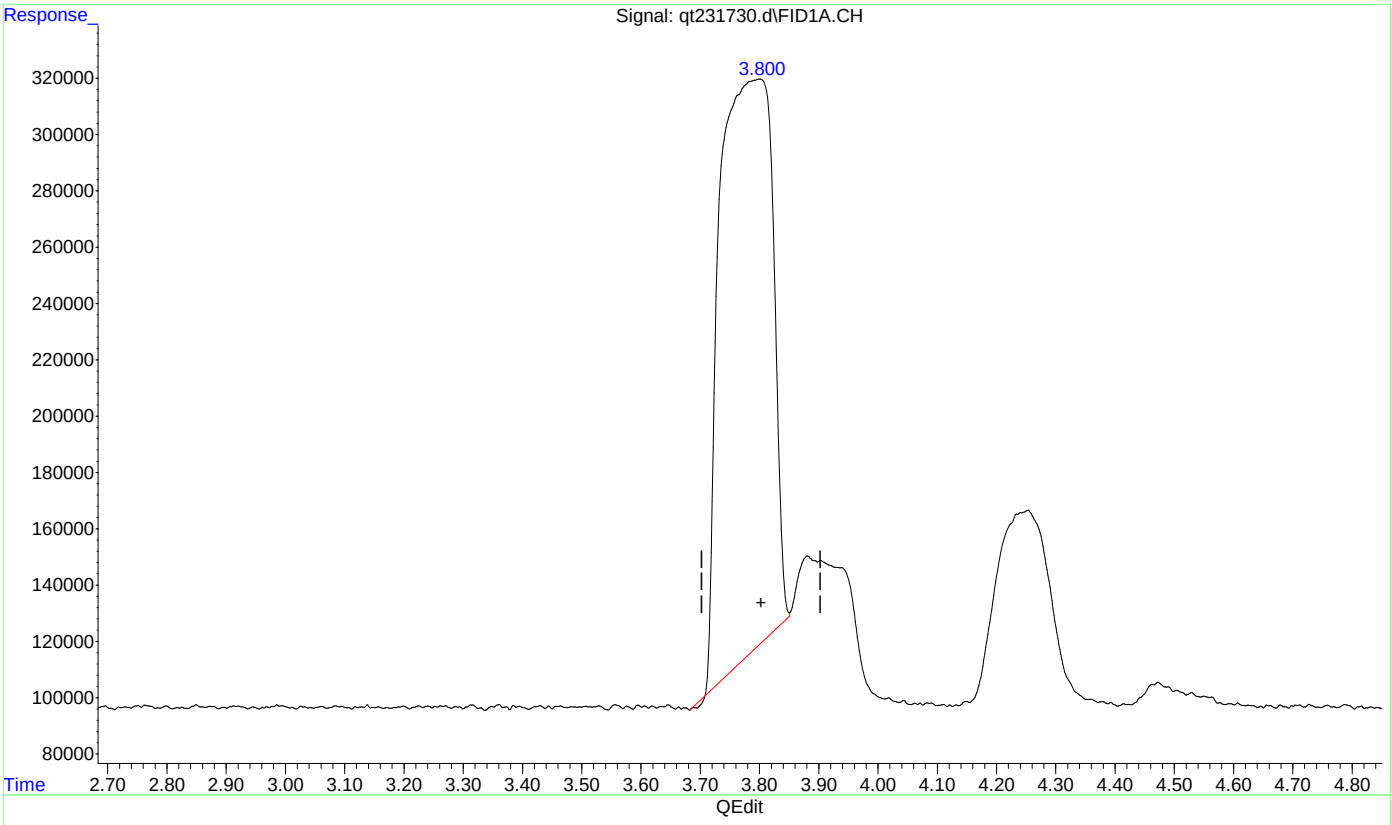
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	2	3.80	Poorly defined baseline
Ethane	74-84-0	2	3.88	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231730.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 18:04:45
Operator : thomash
Sample : ic3105-5.0
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:44:34 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(11) METHANE #2

3.800min 41.293 PPMV

response 12548282

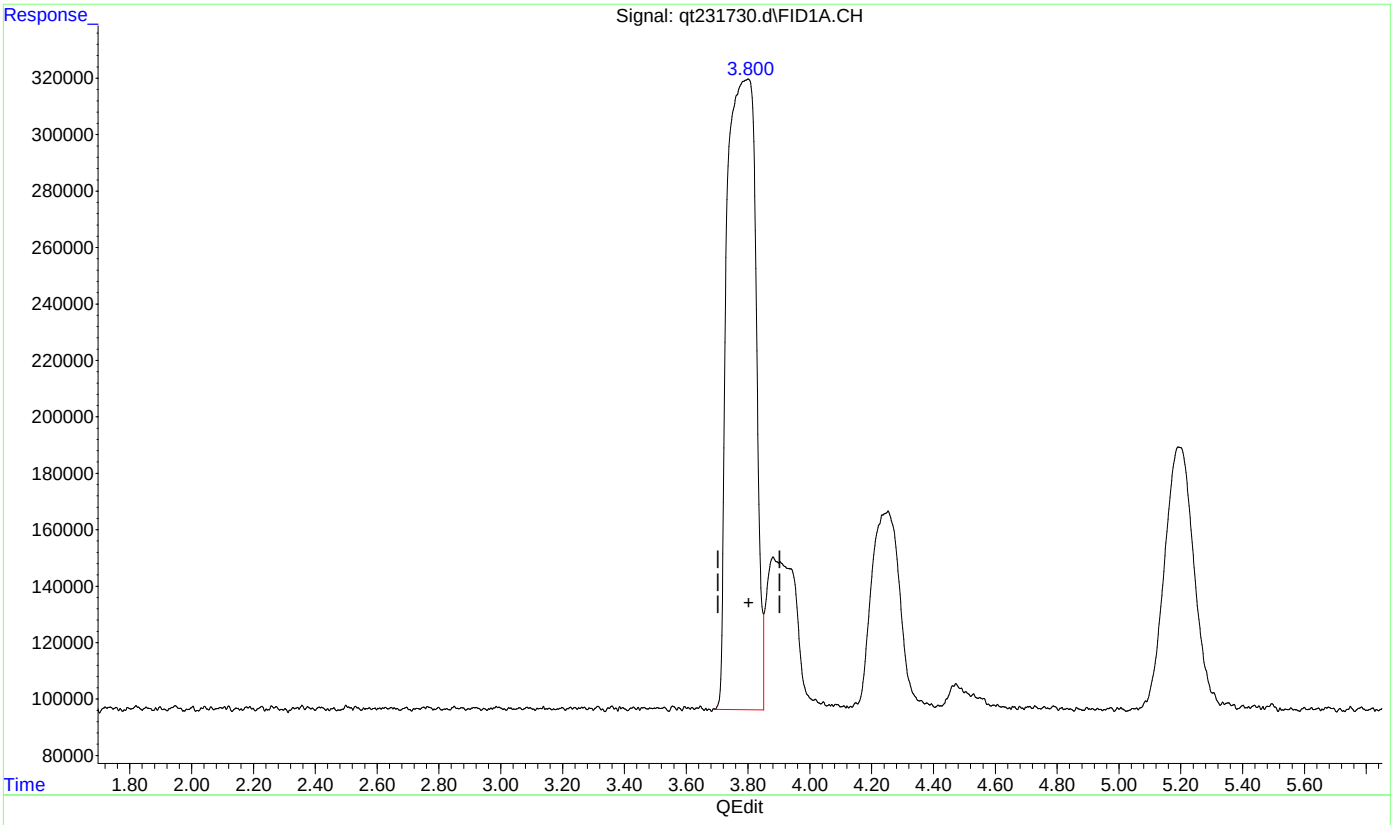
(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:46:20 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231730.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 18:04:45
Operator : thomash
Sample : ic3105-5.0
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:44:34 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(11) METHANE #2

3.800min 46.737 PPMV m

response 14202697

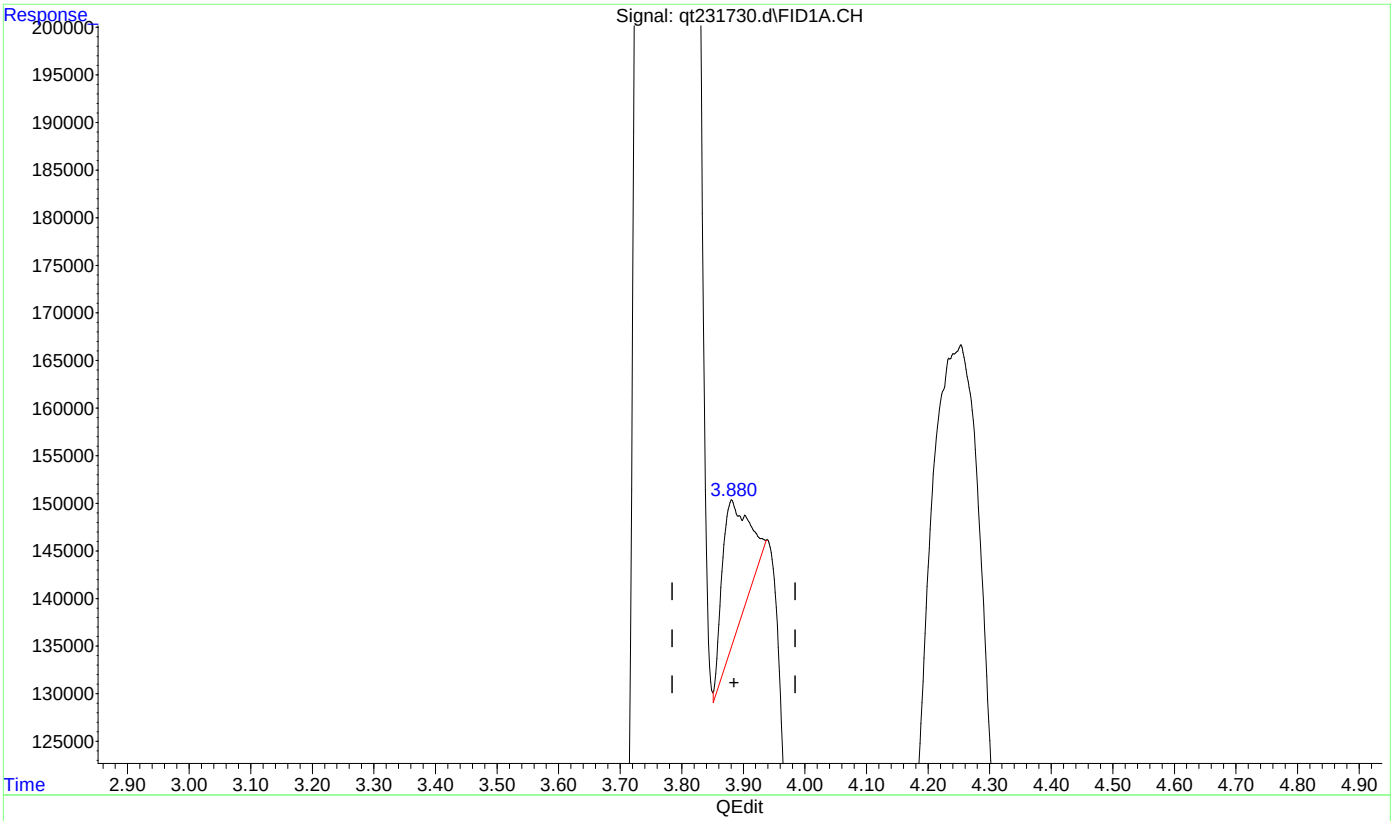
(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:46:34 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231730.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 18:04:45
Operator : thomash
Sample : ic3105-5.0
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:44:34 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(12) ETHANE #2

3.881min 0.579 PPMV

response 417624

(+) = Expected Retention Time

MQT3105.M Fri Jan 03 19:46:42 2025 Page: 1

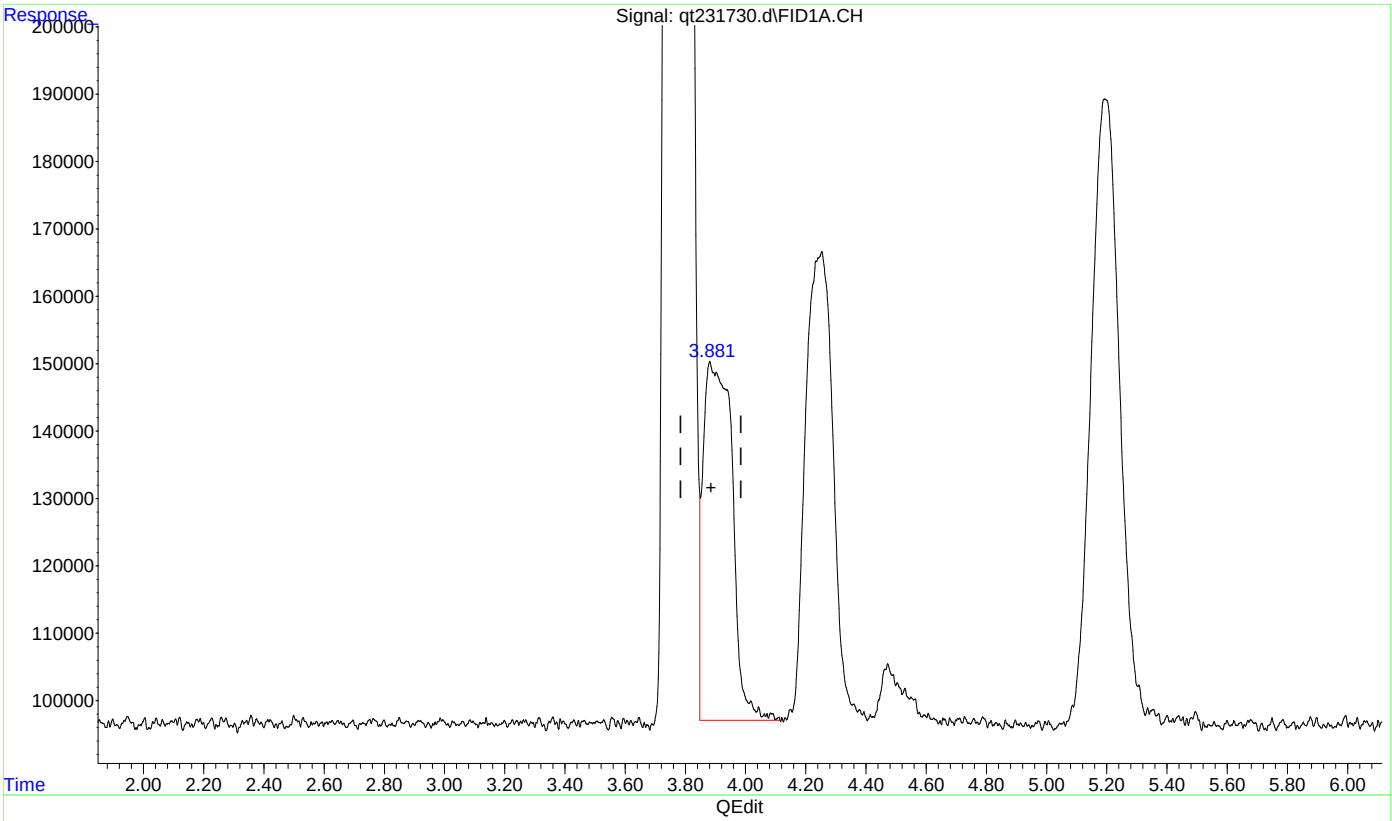
QT231730.D edits: ETHANE #2

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231730.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 18:04:45
Operator : thomash
Sample : ic3105-5.0
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:44:34 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(12) ETHANE #2

3.881min 4.948 PPMV m

response 3568708

(+) = Expected Retention Time
MQT3105.M Fri Jan 03 19:47:06 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231731.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 18:41:06
Operator : thomash
Sample : icc3105-10
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:58:23 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.693	2614859	9.317 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	93.17%
26) s	4-Bromofluorobenzene #2	17.694	2996400	9.725 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	97.25%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.586	4449505	9.437 PPMV
2)	BENZENE	11.228	7528117	9.265 PPMV
3)	TOLUENE	14.303	7481930	9.324 PPMV
4)	ETHYLBENZENE	16.477	6526731	9.170 PPMV
5)	m,p-XYLENE	16.560	17786341	17.944 PPMV
6)	o-XYLENE	17.059	6630428	8.783 PPMV
7)	ISOPROPYLBENZENE	17.410	3131165	4.543 PPMV
11)	METHANE #2	3.798	28098102	92.464 PPMV
12)	ETHANE #2	3.883	7097072	9.841 PPMV
13)	PROPANE #2	4.254	8919919	9.531 PPMV
14)	n-BUTANE #2	5.201	12142136	9.792 PPMV
15)	PENTANE #2	6.885	14524555	10.051 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.888	9824369	10.127 PPMV
17)	METHYL TERTIARY BUTYL...	8.587	11255549	9.582 PPMV
18)	HEXANE #2	8.835	16367353	9.767 PPMV
19)	BENZENE #2	11.229	16396795	9.380 PPMV
20)	TOLUENE #2	14.303	17684209	9.972 PPMV
21)	ETHYLBENZENE #2	16.478	16830401	9.356 PPMV
22)	m,p-XYLENE #2	16.561	38335422	19.212 PPMV
23)	o-XYLENE #2	17.060	17286781	8.956 PPMV
24)	Isopropylbenzene #2	17.411	9076403	4.572 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	14912532	9.890 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	28099205	93.412 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	16875069	9.734 PPMV
30) H	TPH Range A as Methan...	6.000	28137676	92.530 ppmv
31) H	TPH Range A as Methan...	6.000	28038888	91.471 PPMV
32) H	TPH Range B as Pentan...	12.500	14721430	9.797 ppmv
33) H	TPH Range A as Propan...	6.000	8782566	9.628 ppmv
34) H	TPH Range B as Hexane #2	12.500	16841251	9.793 ppmv

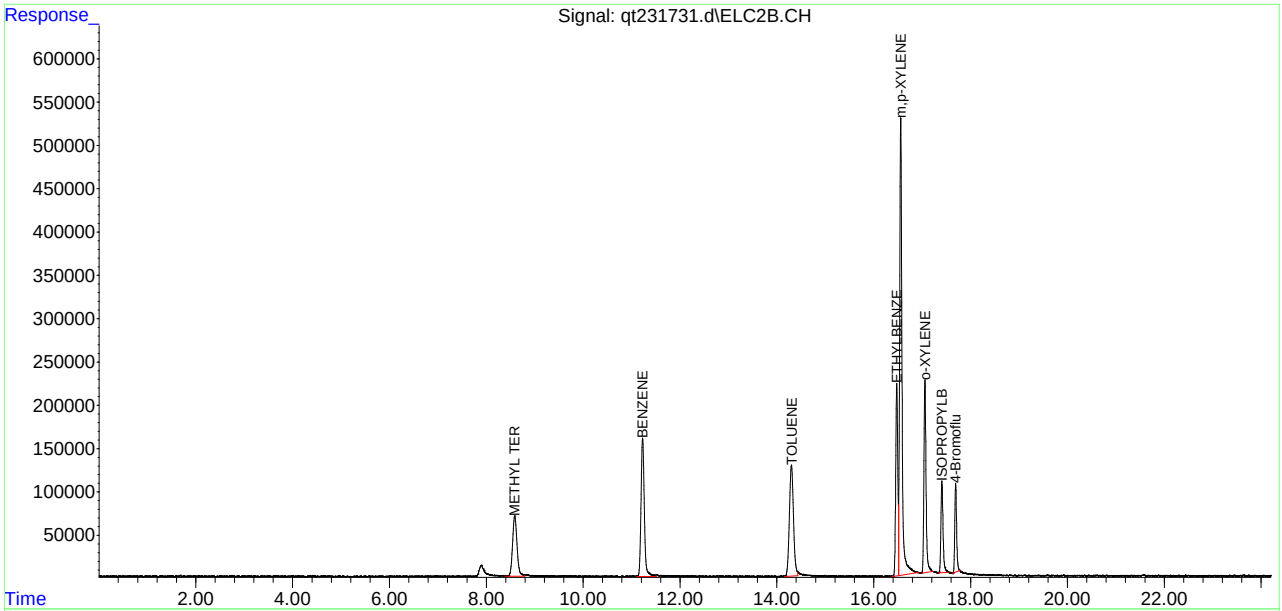
(f)=RT Delta > 1/2 Window (m)=manual int.

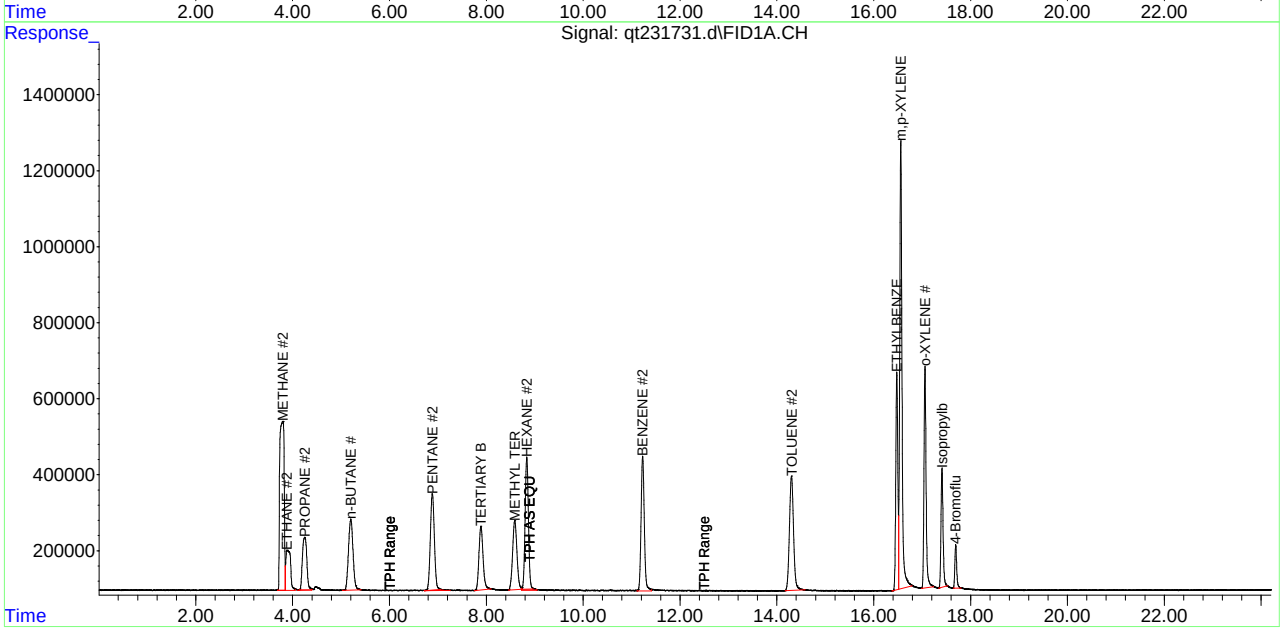
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231731.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 18:41:06
Operator : thomash
Sample : icc3105-10
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 19:58:23 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231732.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 19:20:24
Operator : thomash
Sample : ic3105-100
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 20:02:41 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
9)	s	4-Bromofluorobenzene	17.693	2896481	10.320	PPMV
Spiked Amount		10.000 Range 59 - 135		Recovery =	103.20%	
26)	s	4-Bromofluorobenzene #2	17.694	4920779	15.971	PPMV
Spiked Amount		10.000 Range 59 - 135		Recovery =	159.71%#	
		Target Compounds				
1)		METHYL TERTIARY BUTYL...	8.580	44496034	94.370	PPMV
2)		BENZENE	11.228	75766475	93.243	PPMV
3)		TOLUENE	14.302	79884777	99.547	PPMV
4)		ETHYLBENZENE	16.479	70510320	99.064	PPMV
5)		m,p-XYLENE	16.562	178800015	180.385	PPMV
6)		o-XYLENE	17.059	72946890	96.633	PPMV
7)		ISOPROPYLBENZENE	17.411	36580679	53.075	PPMV
8)		Naphthalene	21.561	784945	1.004	PPMV
11)		METHANE #2	3.800	279710412	920.455	PPMV
12)		ETHANE #2	3.885	71481862	99.116	PPMV
13)		PROPANE #2	4.251	90103086	96.276	PPMV
14)		n-BUTANE #2	5.199	123640533	99.714	PPMV
15)		PENTANE #2	6.884	148346683	102.651	PPMV
16)		TERTIARY BUTYL ALCOHO...	7.881	108361649	111.702	PPMV
17)		METHYL TERTIARY BUTYL...	8.581	115994833	98.748	PPMV
18)		HEXANE #2	8.835	170721398	101.879	PPMV
19)		BENZENE #2	11.229	166281797	95.120	PPMV
20)		TOLUENE #2	14.304	186598282	105.221	PPMV
21)		ETHYLBENZENE #2	16.480	185385818	103.053	PPMV
22)		m,p-XYLENE #2	16.563	434223096	217.610	PPMV
23)		o-XYLENE #2	17.061	203794408	105.580	PPMV
24)		Isopropylbenzene #2	17.412	113955956	57.401	PPMV
25)		Naphthalene #2	21.561	1173323	0.978	PPMV
27)	H	TPH AS EQUIV PENTANE #2	8.900	149201526	98.952	PPMV
28)	H	TPH AS EQUIV METHANE #2	8.900	280269174	931.715	PPMV
29)	H	TPH AS EQUIV HEXANE #2	8.900	172087424	99.264	PPMV
30)	H	TPH Range A as Methan...	6.000	279817583	920.168	ppmv
31)	H	TPH Range A as Methan...	6.000	279486183	911.764	PPMV
32)	H	TPH Range B as Pentan...	12.500	149371407	99.404	ppmv
33)	H	TPH Range A as Propan...	6.000	89547612	98.166	ppmv
34)	H	TPH Range B as Hexane #2	12.500	171393814	99.663	ppmv

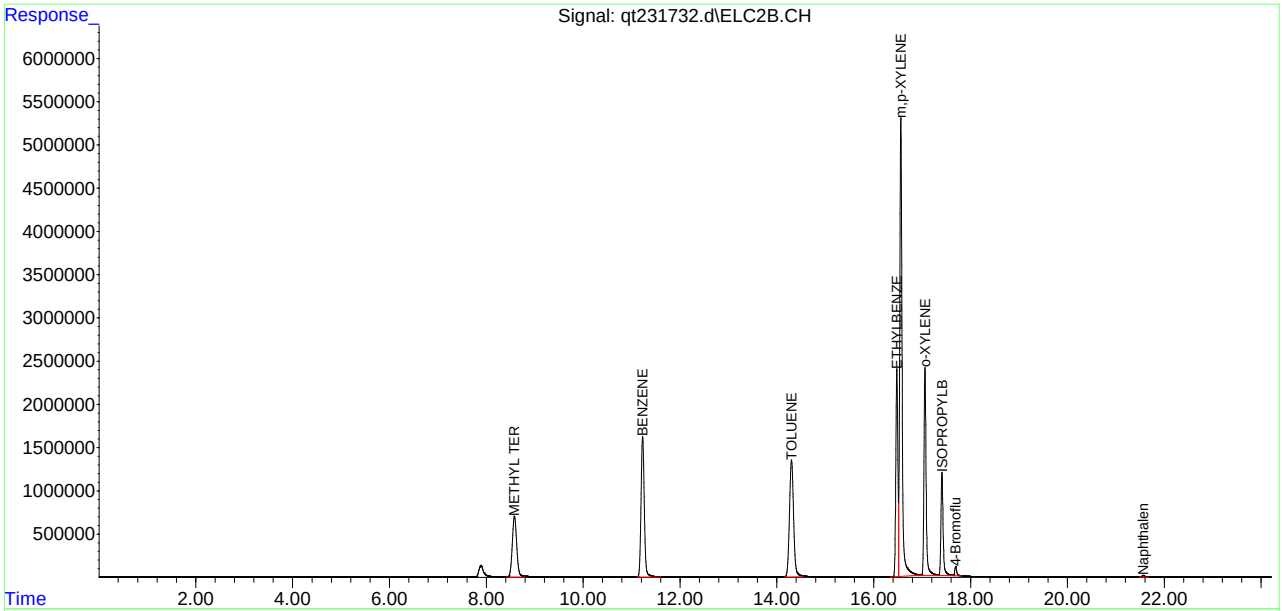
(f)=RT Delta > 1/2 Window (m)=manual int.

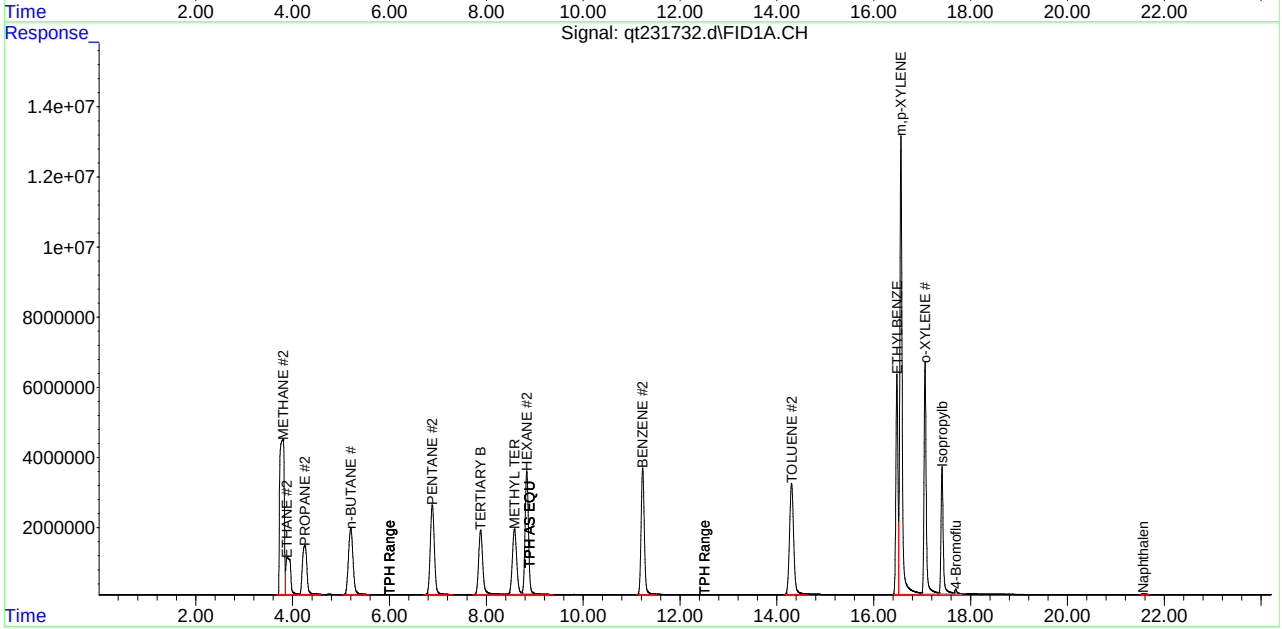
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231732.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 19:20:24
Operator : thomash
Sample : ic3105-100
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 03 20:02:41 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Dec 20 11:32:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231733.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 19:55:37
Operator : thomash
Sample : icv3105-10
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 16:35:47 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.692	2697268	10.047 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	100.47%
26) s	4-Bromofluorobenzene #2	17.694	2929898	8.936 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	89.36%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.587	4579688	9.295 PPMV
2)	BENZENE	11.227	7600567	9.764 PPMV
3)	TOLUENE	14.301	7770984	9.962 PPMV
4)	ETHYLBENZENE	16.477	6605640	9.570 PPMV
5)	m,p-XYLENE	16.559	17891492	19.254 PPMV
6)	o-XYLENE	17.058	6521241	8.793 PPMV
7)	ISOPROPYLBENZENE	17.409	3068675	4.892 PPMV
11)	METHANE #2	3.805	28089357	94.848 PPMV
12)	ETHANE #2	3.888	7098082	10.022 PPMV
13)	PROPANE #2	4.248	8961887	9.903 PPMV
14)	n-BUTANE #2	5.199	11996148	9.783 PPMV
15)	PENTANE #2	6.885	14489354	10.013 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.888	10096989	10.153 PPMV
17)	METHYL TERTIARY BUTYL...	8.587	11689471	9.739 PPMV
18)	HEXANE #2	8.835	17380039	10.471 PPMV
19)	BENZENE #2	11.228	16561335	10.012 PPMV
20)	TOLUENE #2	14.302	17254668	10.149 PPMV
21)	ETHYLBENZENE #2	16.478	17033975	9.241 PPMV
22)	m,p-XYLENE #2	16.560	38411342	18.469 PPMV
23)	o-XYLENE #2	17.059	17514781	11.004 PPMV
24)	Isopropylbenzene #2	17.410	9242035	5.024 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	15018764	10.128 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	28218397	94.942 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	17695891	10.439 PPMV
30) H	TPH Range A as Methan...	6.000	28033911	94.130 ppmv
31) H	TPH Range A as Methan...	6.000	28048198	94.323 PPMV
32) H	TPH Range B as Pentan...	12.500	14953069	10.112 ppmv
33) H	TPH Range A as Propan...	6.000	8926145	9.938 ppmv
34) H	TPH Range B as Hexane #2	12.500	17513410	10.328 ppmv

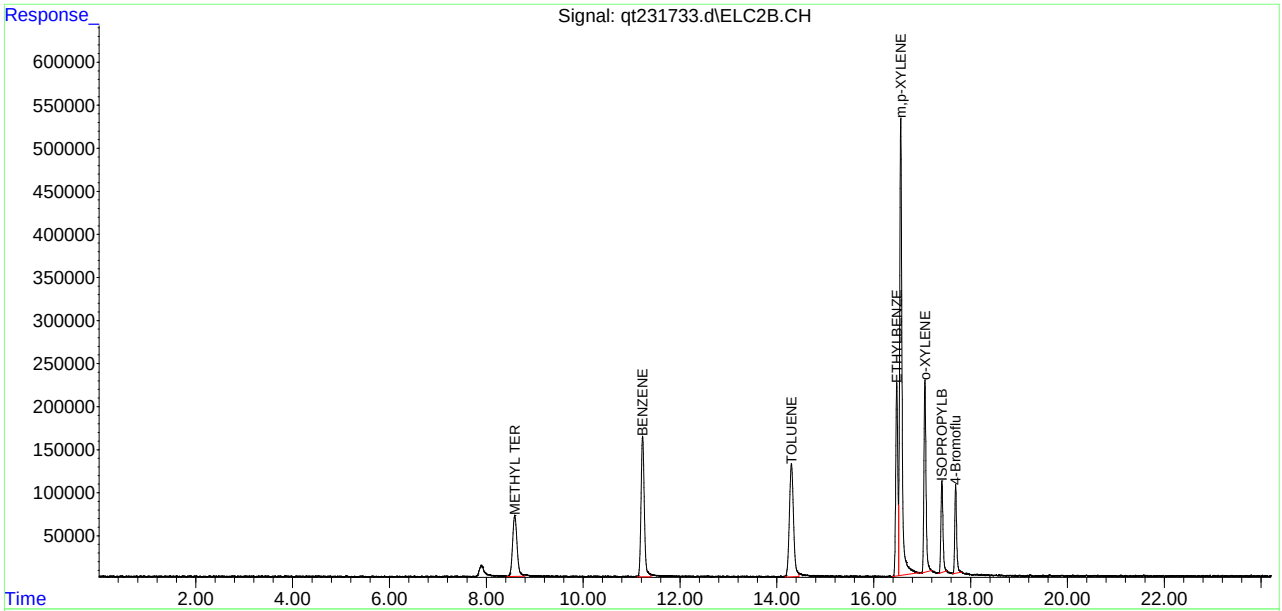
(f)=RT Delta > 1/2 Window (m)=manual int.

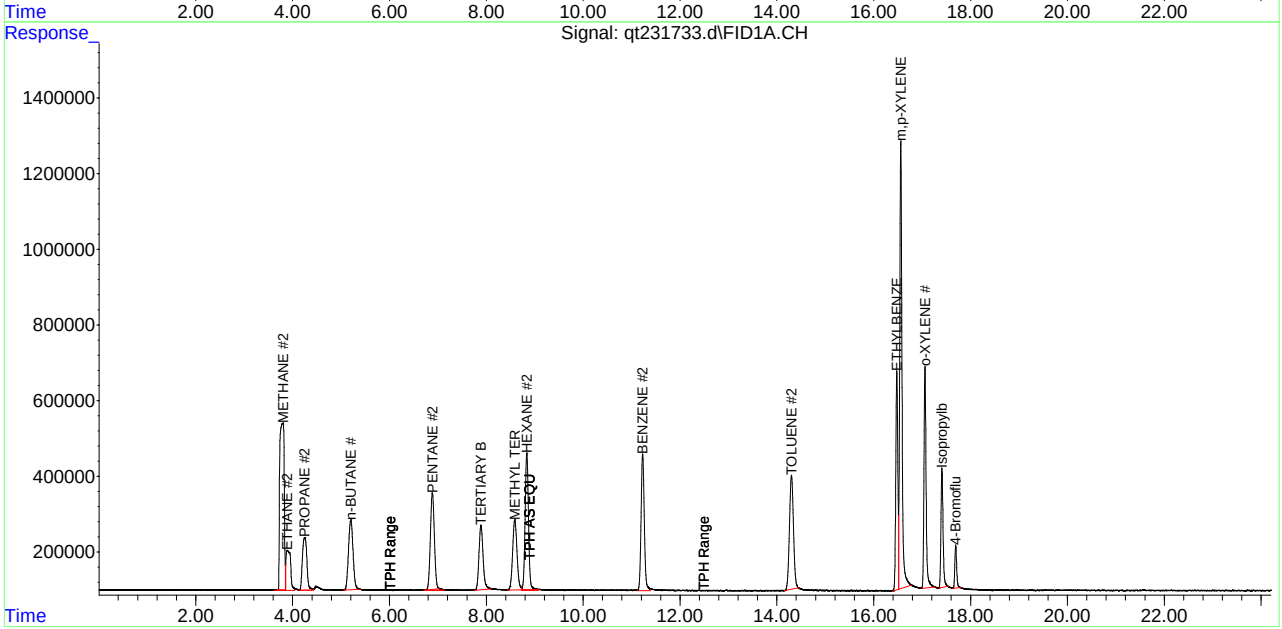
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231733.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 03-Jan-25, 19:55:37
Operator : thomash
Sample : icv3105-10
Misc : GC64219,GQT3105,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 16:35:47 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231749.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 08:54:34
Operator : williamc
Sample : cc3105-5
Misc : GC64227,GQT3106,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:18:53 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
9) s	4-Bromofluorobenzene	17.692	2721910	10.139	PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	101.39%	
26) s	4-Bromofluorobenzene #2	17.694	3043110	9.281	PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	92.81%	
	Target Compounds				
1)	METHYL TERTIARY BUTYL...	8.585	2251411	4.570	PPMV
2)	BENZENE	11.224	3675599	4.722	PPMV
3)	TOLUENE	14.297	3655689	4.686	PPMV
4)	ETHYLBENZENE	16.475	3242998	4.698	PPMV
5)	m,p-XYLENE	16.557	8892090	9.569	PPMV
6)	o-XYLENE	17.057	3167537	4.271	PPMV
7)	ISOPROPYLBENZENE	17.410	1553106	2.476	PPMV
11)	METHANE #2	3.796	13800643	46.600	PPMV
12)	ETHANE #2	3.883	3465135	4.892	PPMV
13)	PROPANE #2	4.249	4346754	4.803	PPMV
14)	n-BUTANE #2	5.196	5872979	4.789	PPMV
15)	PENTANE #2	6.881	6920850	4.783	PPMV
16)	TERTIARY BUTYL ALCOHO...	7.887	4694106	4.720	PPMV
17)	METHYL TERTIARY BUTYL...	8.586	5496206	4.579	PPMV
18)	HEXANE #2	8.831	8111417	4.887	PPMV
19)	BENZENE #2	11.225	8097502	4.895	PPMV
20)	TOLUENE #2	14.299	8488111	4.992	PPMV
21)	ETHYLBENZENE #2	16.476	8145240	4.419	PPMV
22)	m,p-XYLENE #2	16.558	18108426	8.707	PPMV
23)	o-XYLENE #2	17.058	8400827	5.278	PPMV
24)	Isopropylbenzene #2	17.410	4606815	2.505	PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	7219943	4.869	PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	13874362	46.681	PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	8340268	4.920	PPMV
30) H	TPH Range A as Methan...	6.000	13808342	46.365	ppmv
31) H	TPH Range A as Methan...	6.000	13815566	46.460	PPMV
32) H	TPH Range B as Pentan...	12.500	7171090	4.849	ppmv
33) H	TPH Range A as Propan...	6.000	4353413	4.847	ppmv
34) H	TPH Range B as Hexane #2	12.500	8302432	4.896	ppmv

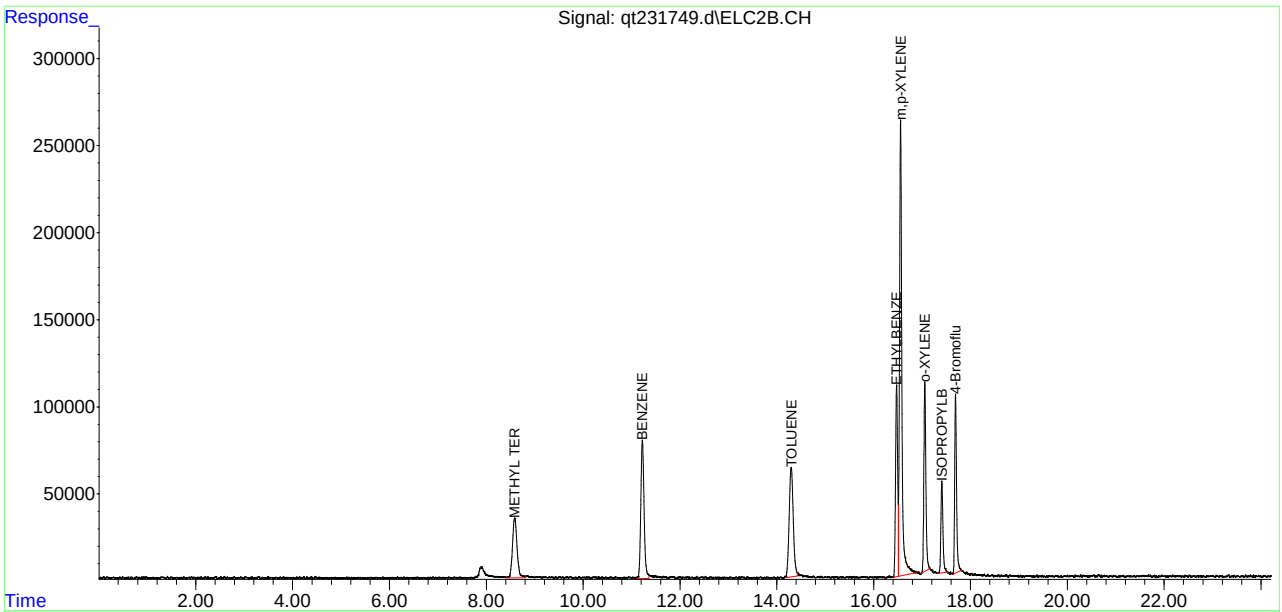
(f)=RT Delta > 1/2 Window (m)=manual int.

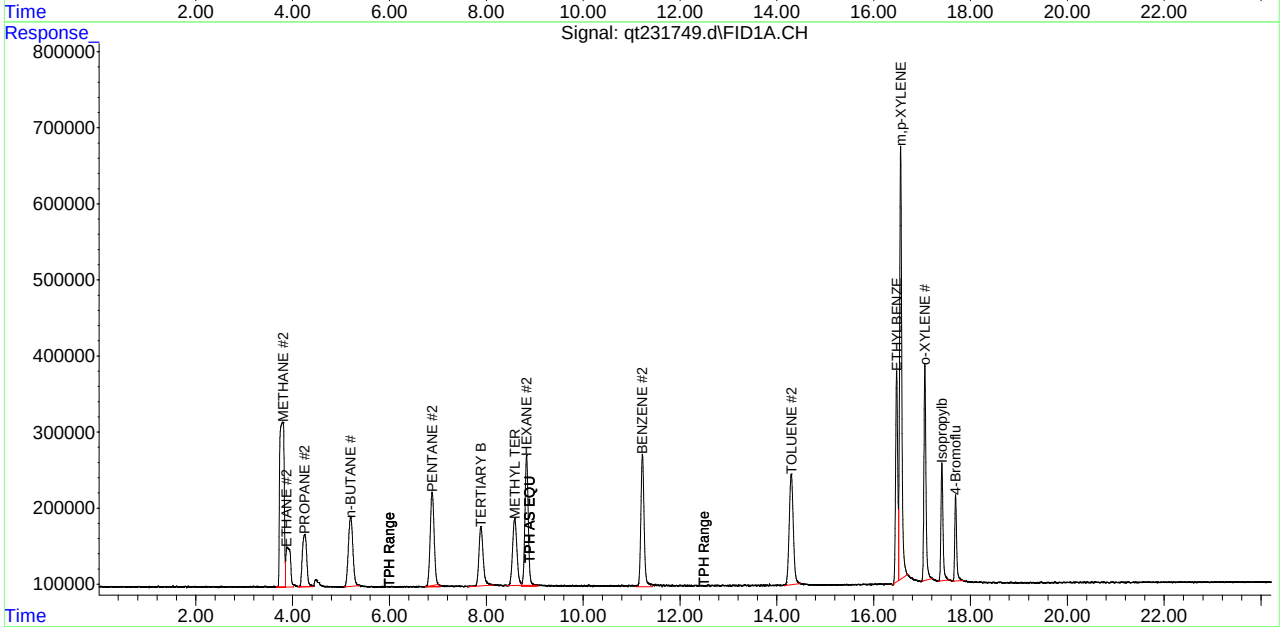
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231749.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 08:54:34
Operator : williamc
Sample : cc3105-5
Misc : GC64227,GQT3106,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:18:53 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231754.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:57:38
Operator : williamc
Sample : cc3105-10
Misc : GC64244,GQT3106,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:40:24 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.693	2722769	10.142 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	101.42%	
26) s	4-Bromofluorobenzene #2	17.695	2938024	8.961 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	89.61%	
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.585	4443961	9.020 PPMV
2)	BENZENE	11.227	7253708	9.319 PPMV
3)	TOLUENE	14.297	7610346	9.756 PPMV
4)	ETHYLBENZENE	16.477	6536667	9.470 PPMV
5)	m,p-XYLENE	16.559	17860056	19.221 PPMV
6)	o-XYLENE	17.058	6469345	8.723 PPMV
7)	ISOPROPYLBENZENE	17.410	3093260	4.931 PPMV
11)	METHANE #2	3.801	28285300	95.510 PPMV
12)	ETHANE #2	3.881	7181754	10.140 PPMV
13)	PROPANE #2	4.250	8806624	9.731 PPMV
14)	n-BUTANE #2	5.198	12116135	9.880 PPMV
15)	PENTANE #2	6.884	14595278	10.086 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.886	9961489	10.016 PPMV
17)	METHYL TERTIARY BUTYL...	8.586	11329489	9.439 PPMV
18)	HEXANE #2	8.834	16653889	10.034 PPMV
19)	BENZENE #2	11.228	16551671	10.006 PPMV
20)	TOLUENE #2	14.301	17323075	10.189 PPMV
21)	ETHYLBENZENE #2	16.478	16941955	9.191 PPMV
22)	m,p-XYLENE #2	16.560	38176415	18.356 PPMV
23)	o-XYLENE #2	17.060	17430655	10.952 PPMV
24)	Isopropylbenzene #2	17.411	9328722	5.072 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	14978827	10.101 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	28116280	94.598 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	17223247	10.160 PPMV
30) H	TPH Range A as Methan...	6.000	28304841	95.040 ppmv
31) H	TPH Range A as Methan...	6.000	28366108	95.392 PPMV
32) H	TPH Range B as Pentan...	12.500	14878237	10.061 ppmv
33) H	TPH Range A as Propan...	6.000	9076449	10.105 ppmv
34) H	TPH Range B as Hexane #2	12.500	17220932	10.156 ppmv

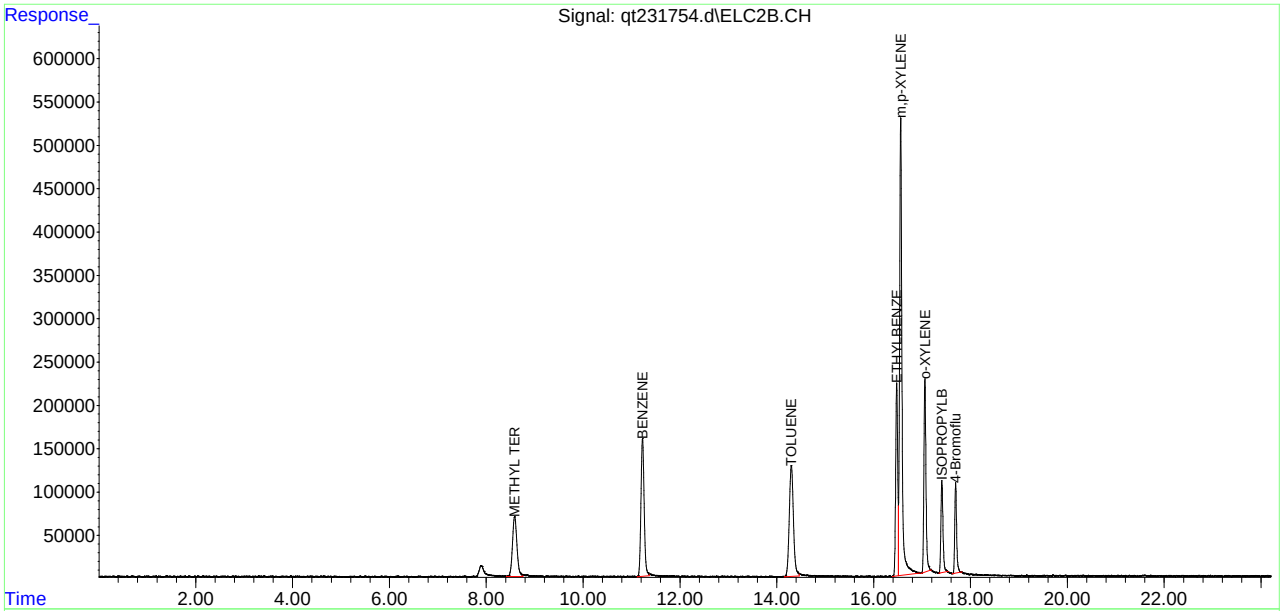
(f)=RT Delta > 1/2 Window (m)=manual int.

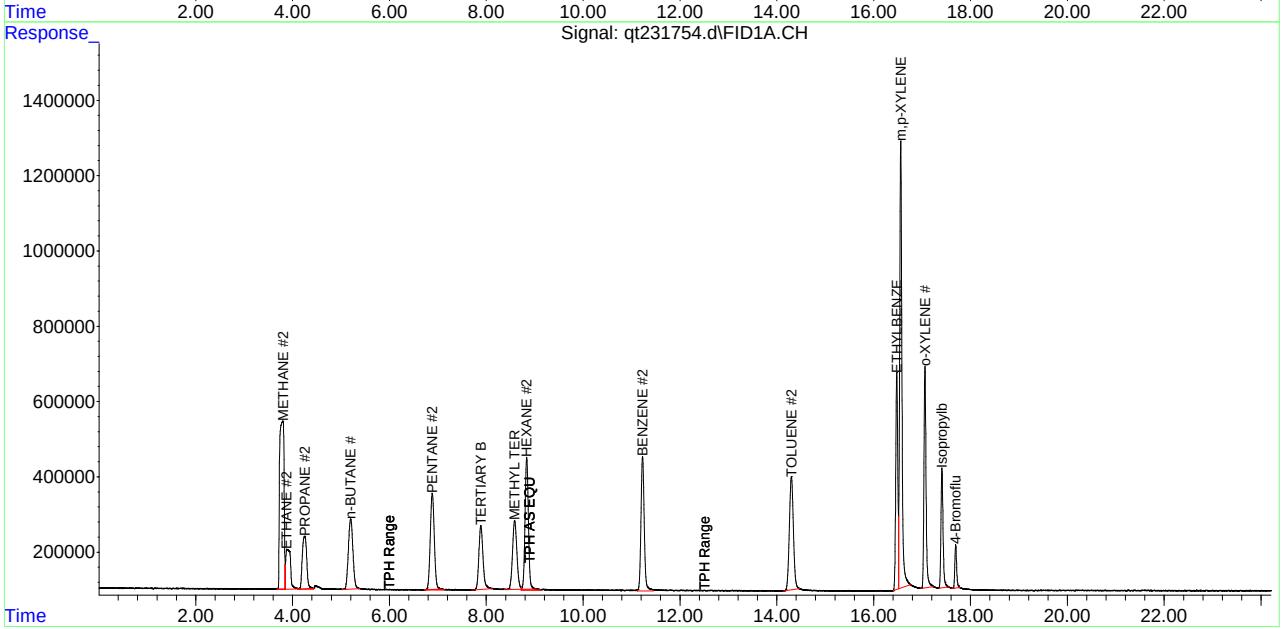
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231754.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 11:57:38
Operator : williamc
Sample : cc3105-10
Misc : GC64244,GQT3106,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 13:40:24 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231758.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 14:23:40
Operator : williamc
Sample : cc3105-5
Misc : GC64227,GQT3106,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 16:19:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.693	2697872	10.049 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	100.49%
26) s	4-Bromofluorobenzene #2	17.695	2875160	8.769 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	87.69%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.591	2242421	4.551 PPMV
2)	BENZENE	11.228	3658686	4.700 PPMV
3)	TOLUENE	14.299	3588576	4.600 PPMV
4)	ETHYLBENZENE	16.477	3263515	4.728 PPMV
5)	m,p-XYLENE	16.560	8678615	9.340 PPMV
6)	o-XYLENE	17.058	3182786	4.292 PPMV
7)	ISOPROPYLBENZENE	17.410	1521824	2.426 PPMV
11)	METHANE #2	3.803	13998845	47.269 PPMV
12)	ETHANE #2	3.887	3122910	4.409 PPMV
13)	PROPANE #2	4.248	4431289	4.897 PPMV
14)	n-BUTANE #2	5.198	6060010	4.942 PPMV
15)	PENTANE #2	6.885	7214361	4.985 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.890	4716653	4.743 PPMV
17)	METHYL TERTIARY BUTYL...	8.590	5688388	4.739 PPMV
18)	HEXANE #2	8.835	8329135	5.018 PPMV
19)	BENZENE #2	11.229	7883220	4.766 PPMV
20)	TOLUENE #2	14.303	8463258	4.978 PPMV
21)	ETHYLBENZENE #2	16.478	8400243	4.557 PPMV
22)	m,p-XYLENE #2	16.561	18769853	9.025 PPMV
23)	o-XYLENE #2	17.060	8635778	5.426 PPMV
24)	Isopropylbenzene #2	17.412	4565129	2.482 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	7347496	4.955 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	14123296	47.518 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	8437190	4.977 PPMV
30) H	TPH Range A as Methan...	6.000	14184925	47.629 ppmv
31) H	TPH Range A as Methan...	6.000	14251645	47.926 PPMV
32) H	TPH Range B as Pentan...	12.500	7329012	4.956 ppmv
33) H	TPH Range A as Propan...	6.000	4477923	4.985 ppmv
34) H	TPH Range B as Hexane #2	12.500	8483088	5.003 ppmv

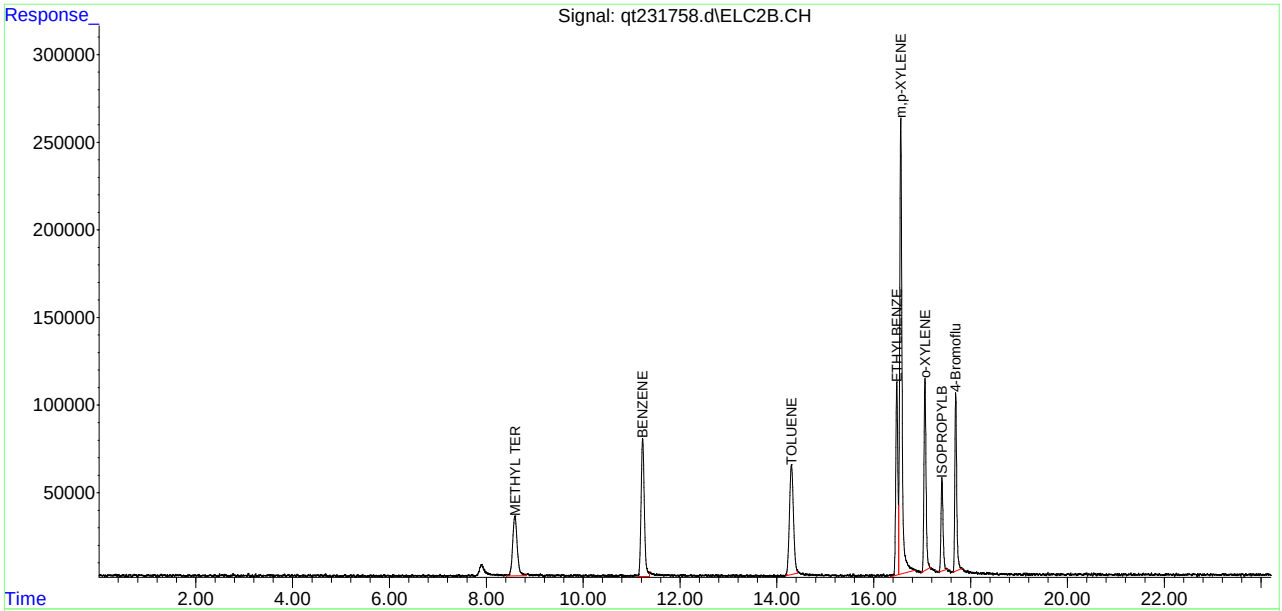
(f)=RT Delta > 1/2 Window (m)=manual int.

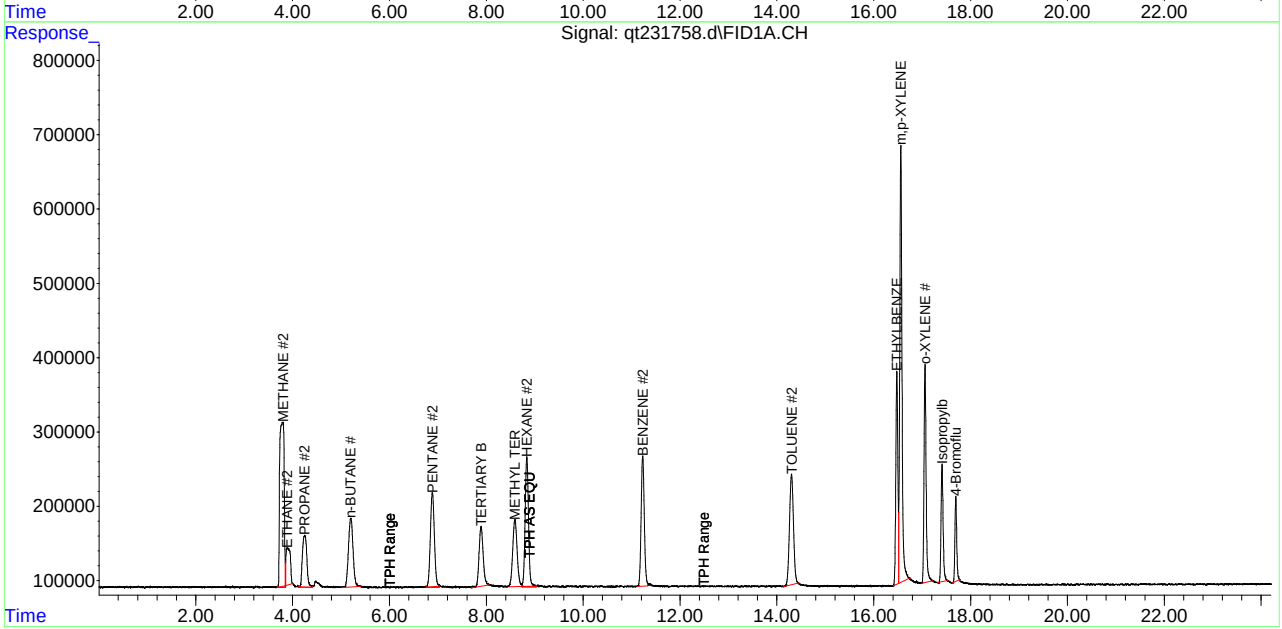
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231758.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 14:23:40
Operator : williamc
Sample : cc3105-5
Misc : GC64227,GQT3106,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 06 16:19:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231764.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 18:14:27
Operator : williamc
Sample : cc3105-10
Misc : GC64264,GQT3106,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:51:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.694	2756288	10.267 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	102.67%	
26) s	4-Bromofluorobenzene #2	17.695	3016964	9.202 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	92.02%	
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.585	4393229	8.917 PPMV
2)	BENZENE	11.227	7267378	9.336 PPMV
3)	TOLUENE	14.301	7541865	9.668 PPMV
4)	ETHYLBENZENE	16.478	6521151	9.448 PPMV
5)	m,p-XYLENE	16.560	17629194	18.972 PPMV
6)	o-XYLENE	17.059	6599844	8.899 PPMV
7)	ISOPROPYLBENZENE	17.410	3095266	4.935 PPMV
11)	METHANE #2	3.797	28613490	96.618 PPMV
12)	ETHANE #2	3.884	7298330	10.304 PPMV
13)	PROPANE #2	4.251	9166957	10.130 PPMV
14)	n-BUTANE #2	5.199	12320825	10.047 PPMV
15)	PENTANE #2	6.882	14659001	10.130 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.888	10120530	10.176 PPMV
17)	METHYL TERTIARY BUTYL...	8.587	11381438	9.482 PPMV
18)	HEXANE #2	8.835	16489359	9.934 PPMV
19)	BENZENE #2	11.228	16288222	9.847 PPMV
20)	TOLUENE #2	14.303	17904028	10.531 PPMV
21)	ETHYLBENZENE #2	16.479	17172668	9.316 PPMV
22)	m,p-XYLENE #2	16.561	39209433	18.852 PPMV
23)	o-XYLENE #2	17.061	17438807	10.957 PPMV
24)	Isopropylbenzene #2	17.412	9498397	5.164 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	14950981	10.082 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	28714169	96.610 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	17372332	10.248 PPMV
30) H	TPH Range A as Methan...	6.000	28407502	95.385 ppmv
31) H	TPH Range A as Methan...	6.000	28692112	96.488 PPMV
32) H	TPH Range B as Pentan...	12.500	14924709	10.092 ppmv
33) H	TPH Range A as Propan...	6.000	8966527	9.982 ppmv
34) H	TPH Range B as Hexane #2	12.500	17102068	10.086 ppmv

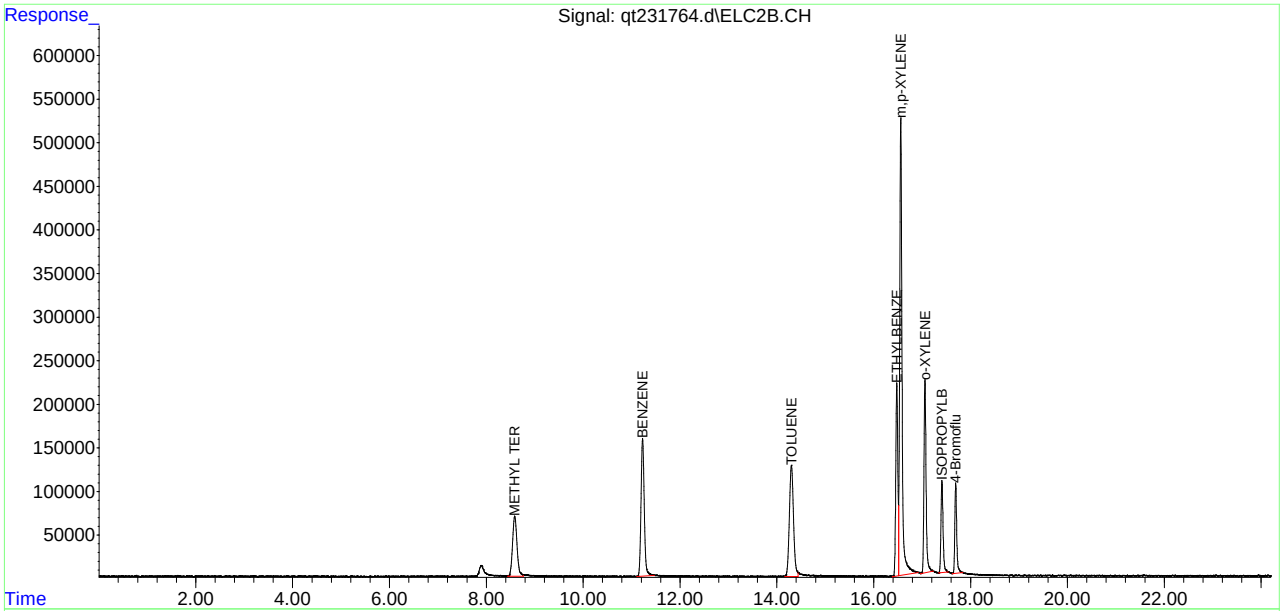
(f)=RT Delta > 1/2 Window (m)=manual int.

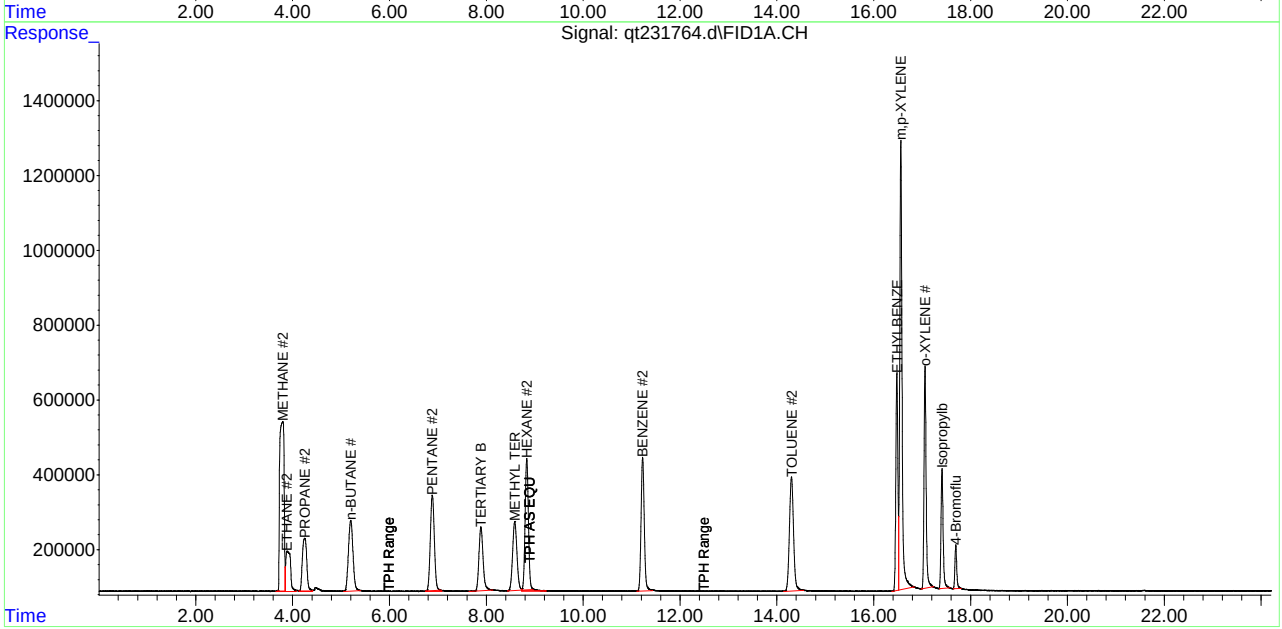
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231764.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 06-Jan-25, 18:14:27
Operator : williamc
Sample : cc3105-10
Misc : GC64264,GQT3106,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 08:51:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231779.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 14:30:13
Operator : williamc
Sample : cc3105-5
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:08:20 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.693	2625314	9.779 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	97.79%
26) s	4-Bromofluorobenzene #2	17.695	2468426	7.529 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	75.29%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.585	2164492	4.393 PPMV
2)	BENZENE	11.223	3344766	4.297 PPMV
3)	TOLUENE	14.296	3473245	4.452 PPMV
4)	ETHYLBENZENE	16.476	3062686	4.437 PPMV
5)	m,p-XYLENE	16.558	8439366	9.082 PPMV
6)	o-XYLENE	17.058	3044191	4.105 PPMV
7)	ISOPROPYLBENZENE	17.412	1379546	2.199 PPMV
11)	METHANE #2	3.793	11367043	38.383 PPMV
12)	ETHANE #2	3.881	3017918	4.261 PPMV
13)	PROPANE #2	4.244	3836448	4.239 PPMV
14)	n-BUTANE #2	5.194	5155959	4.205 PPMV
15)	PENTANE #2	6.880	5978611	4.131 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.887	3876026	3.897 PPMV
17)	METHYL TERTIARY BUTYL...	8.587	4721943	3.934 PPMV
18)	HEXANE #2	8.831	6942548	4.183 PPMV
19)	BENZENE #2	11.224	6637759	4.013 PPMV
20)	TOLUENE #2	14.299	7304866	4.297 PPMV
21)	ETHYLBENZENE #2	16.477	6852087	3.717 PPMV
22)	m,p-XYLENE #2	16.560	15367273	7.389 PPMV
23)	o-XYLENE #2	17.059	6846105	4.301 PPMV
24)	Isopropylbenzene #2	17.411	3758124	2.043 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	6209110	4.187 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	11354286	38.202 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	7026047	4.145 PPMV
30) H	TPH Range A as Methan...	6.000	11312879	37.986 ppmv
31) H	TPH Range A as Methan...	6.000	11338355	38.129 PPMV
32) H	TPH Range B as Pentan...	12.500	6213301	4.202 ppmv
33) H	TPH Range A as Propan...	6.000	3783964	4.213 ppmv
34) H	TPH Range B as Hexane #2	12.500	7139277	4.210 ppmv

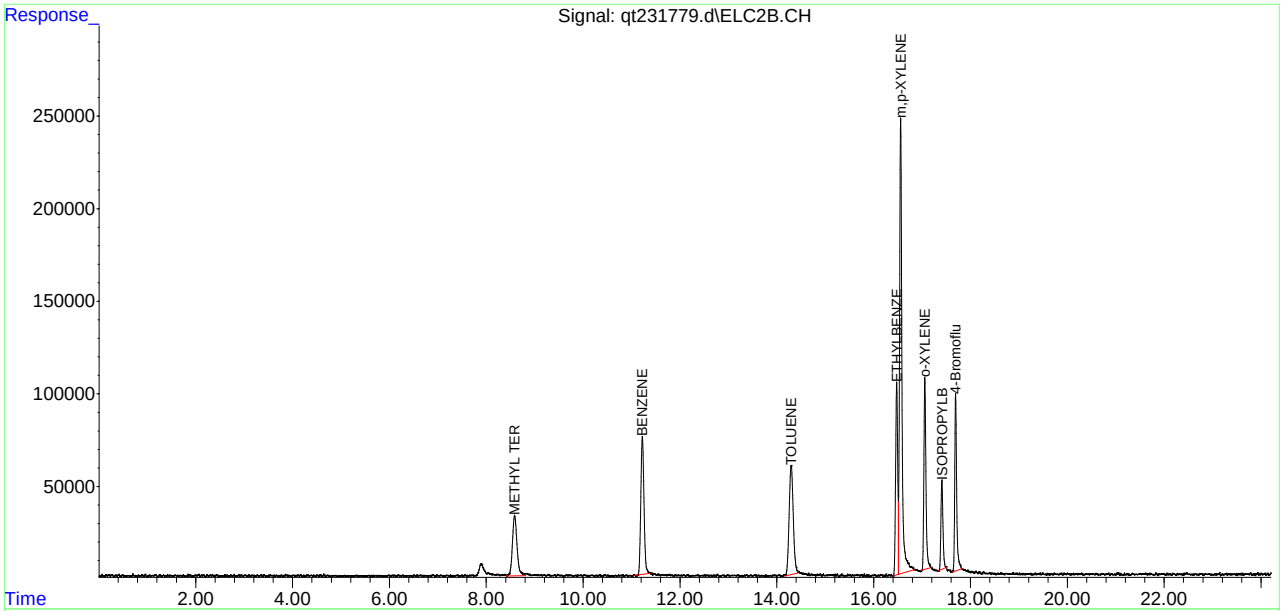
(f)=RT Delta > 1/2 Window (m)=manual int.

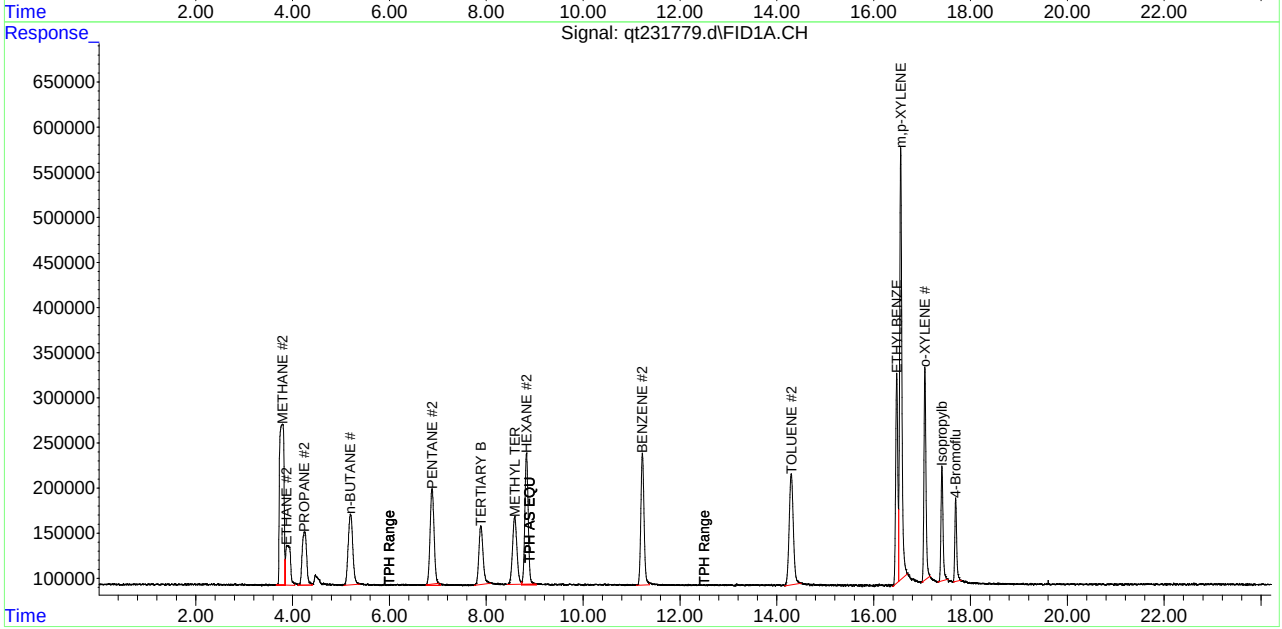
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231779.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 14:30:13
Operator : williamc
Sample : cc3105-5
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:08:20 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231784.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 17:59:31
Operator : williamc
Sample : cc3105-10
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:15:44 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
9)	s	4-Bromofluorobenzene	17.691	2610804	9.725	PPMV
Spiked Amount		10.000	Range 59 - 135	Recovery =	97.25%	
26)	s	4-Bromofluorobenzene #2	17.693	2406136	7.339	PPMV
Spiked Amount		10.000	Range 59 - 135	Recovery =	73.39%	
		Target Compounds				
1)		METHYL TERTIARY BUTYL...	8.578	4366615	8.863	PPMV
2)		BENZENE	11.221	7036784	9.040	PPMV
3)		TOLUENE	14.295	7314478	9.376	PPMV
4)		ETHYLBENZENE	16.475	6232230	9.029	PPMV
5)		m,p-XYLENE	16.557	17356646	18.679	PPMV
6)		o-XYLENE	17.056	6367114	8.585	PPMV
7)		ISOPROPYLBENZENE	17.409	2919366	4.654	PPMV
11)		METHANE #2	3.797	24047756	81.201	PPMV
12)		ETHANE #2	3.885	6325266	8.931	PPMV
13)		PROPANE #2	4.247	7923513	8.756	PPMV
14)		n-BUTANE #2	5.193	10667984	8.699	PPMV
15)		PENTANE #2	6.877	12858671	8.886	PPMV
16)		TERTIARY BUTYL ALCOHO...	7.882	8780225	8.829	PPMV
17)		METHYL TERTIARY BUTYL...	8.577	9865977	8.219	PPMV
18)		HEXANE #2	8.828	14355542	8.649	PPMV
19)		BENZENE #2	11.222	14276652	8.631	PPMV
20)		TOLUENE #2	14.296	14924149	8.778	PPMV
21)		ETHYLBENZENE #2	16.476	14383359	7.803	PPMV
22)		m,p-XYLENE #2	16.558	32671569	15.709	PPMV
23)		o-XYLENE #2	17.058	14812982	9.307	PPMV
24)		Isopropylbenzene #2	17.409	8003895	4.351	PPMV
27)	H	TPH AS EQUIV PENTANE #2	8.900	13017519	8.779	PPMV
28)	H	TPH AS EQUIV METHANE #2	8.900	23991501	80.720	PPMV
29)	H	TPH AS EQUIV HEXANE #2	8.900	14841720	8.755	PPMV
30)	H	TPH Range A as Methan...	6.000	24021321	80.657	ppmv
31)	H	TPH Range A as Methan...	6.000	24039294	80.841	PPMV
32)	H	TPH Range B as Pentan...	12.500	13080145	8.845	ppmv
33)	H	TPH Range A as Propan...	6.000	7784218	8.666	ppmv
34)	H	TPH Range B as Hexane #2	12.500	14738587	8.692	ppmv

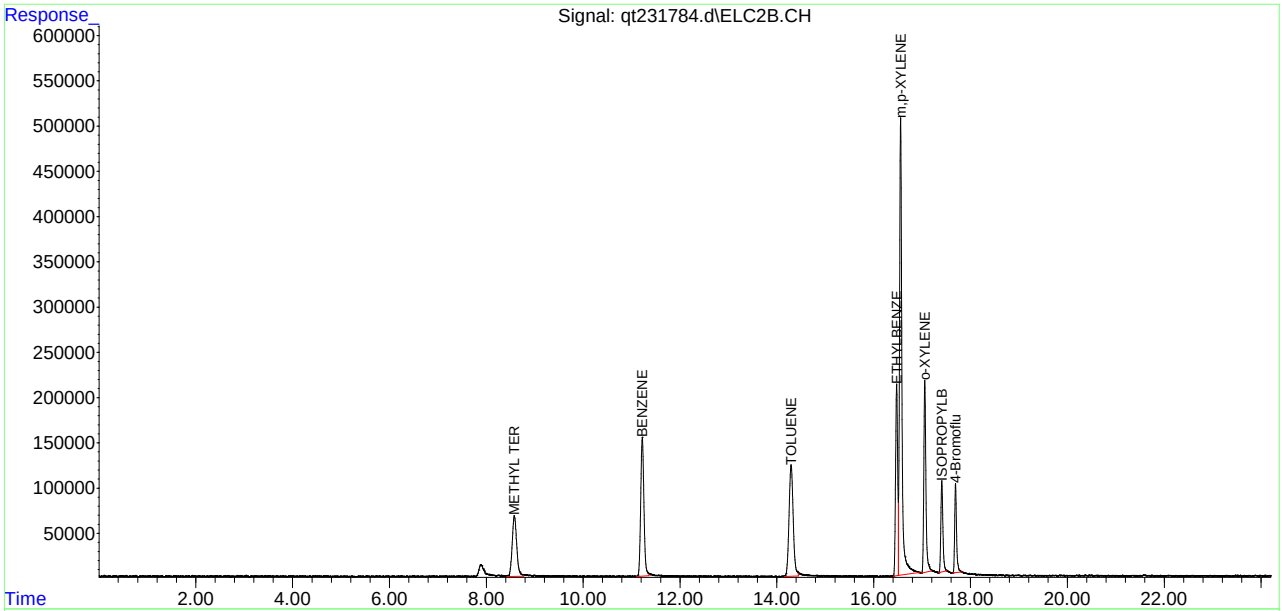
(f)=RT Delta > 1/2 Window (m)=manual int.

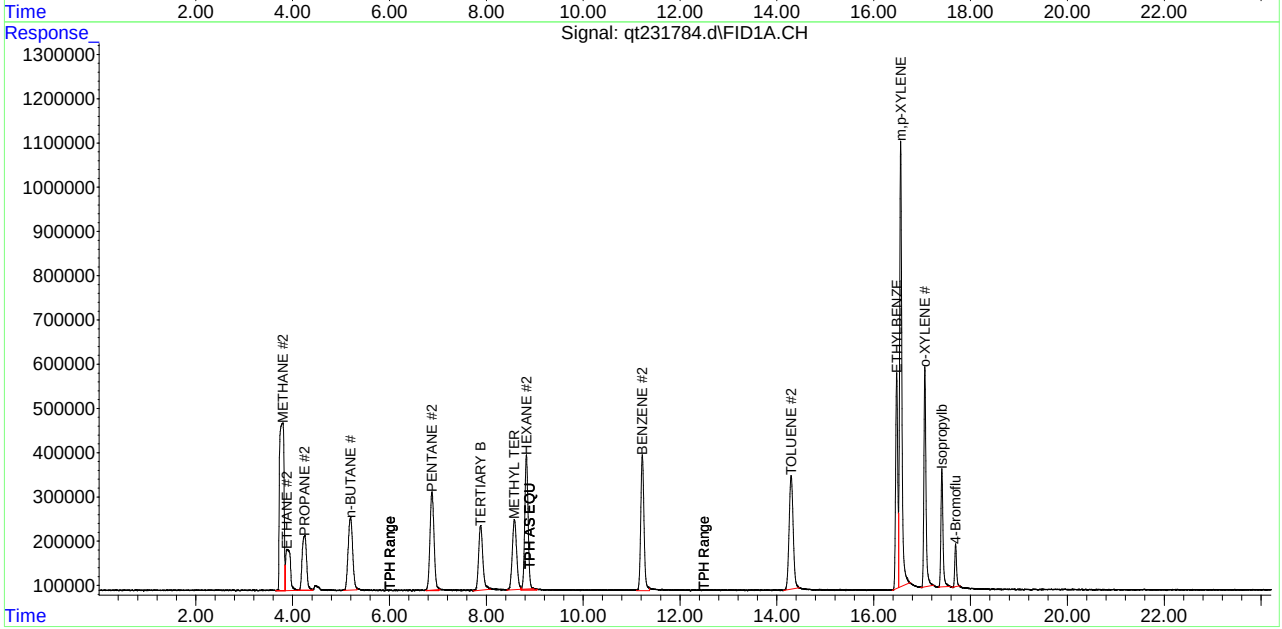
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231784.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 17:59:31
Operator : williamc
Sample : cc3105-10
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 13:15:44 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/10/25 15:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231791.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 22:44:06
Operator : williamc
Sample : cc3105-5
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:02:59 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
9) s	4-Bromofluorobenzene	17.687	2631994	9.804	PPMV	
Spiked Amount	10.000 Range 59 - 135	Recovery =	98.04%			
26) s	4-Bromofluorobenzene #2	17.689	2622796	7.999	PPMV	
Spiked Amount	10.000 Range 59 - 135	Recovery =	79.99%			
	Target Compounds					
1)	METHYL TERTIARY BUTYL...	8.549	2125643	4.314	PPMV	
2)	BENZENE	11.198	3489996	4.484	PPMV	
3)	TOLUENE	14.278	3490711	4.475	PPMV	
4)	ETHYLBENZENE	16.469	3101652	4.494	PPMV	
5)	m,p-XYLENE	16.553	8360579	8.997	PPMV	
6)	o-XYLENE	17.052	3116500	4.202	PPMV	
7)	ISOPROPYLBENZENE	17.405	1475926	2.353	PPMV	
11)	METHANE #2	3.792	11841678	39.985	PPMV	
12)	ETHANE #2	3.875	3077727	4.345	PPMV	m
13)	PROPANE #2	4.237	3812705	4.213	PPMV	
14)	n-BUTANE #2	5.173	5204677	4.244	PPMV	
15)	PENTANE #2	6.845	6132926	4.238	PPMV	
16)	TERTIARY BUTYL ALCOHO...	7.851	3982278	4.004	PPMV	
17)	METHYL TERTIARY BUTYL...	8.551	5038564	4.198	PPMV	
18)	HEXANE #2	8.798	7254402	4.371	PPMV	
19)	BENZENE #2	11.199	6928275	4.188	PPMV	
20)	TOLUENE #2	14.282	7323962	4.308	PPMV	
21)	ETHYLBENZENE #2	16.471	7061853	3.831	PPMV	
22)	m,p-XYLENE #2	16.554	16209890	7.794	PPMV	
23)	o-XYLENE #2	17.054	7263274	4.563	PPMV	
24)	Isopropylbenzene #2	17.405	3825667	2.080	PPMV	
27) H	TPH AS EQUIV PENTANE #2	8.900	6506816	4.388	PPMV	
28) H	TPH AS EQUIV METHANE #2	8.900	11861874	39.910	PPMV	
29) H	TPH AS EQUIV HEXANE #2	8.900	7269285	4.288	PPMV	
30) H	TPH Range A as Methan...	6.000	11907724	39.983	ppmv	
31) H	TPH Range A as Methan...	6.000	11774662	39.597	PPMV	
32) H	TPH Range B as Pentan...	12.500	6429042	4.347	ppmv	
33) H	TPH Range A as Propan...	6.000	3822651	4.256	ppmv	
34) H	TPH Range B as Hexane #2	12.500	7268823	4.287	ppmv	

(f)=RT Delta > 1/2 Window (m)=manual int.

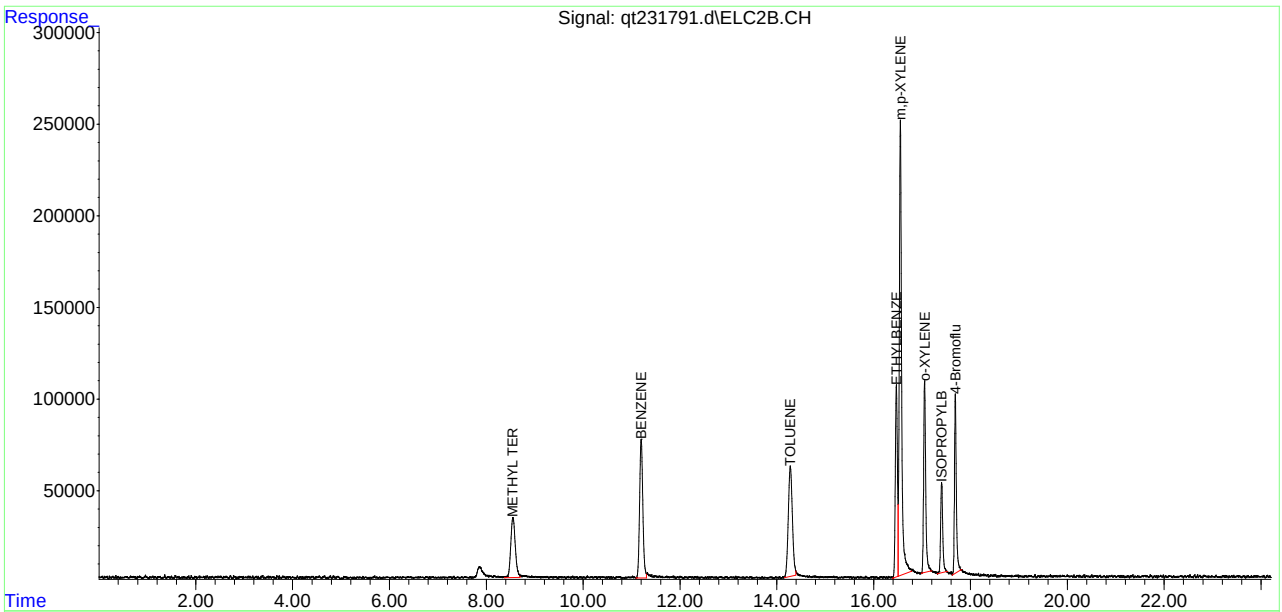
9.5.15
9

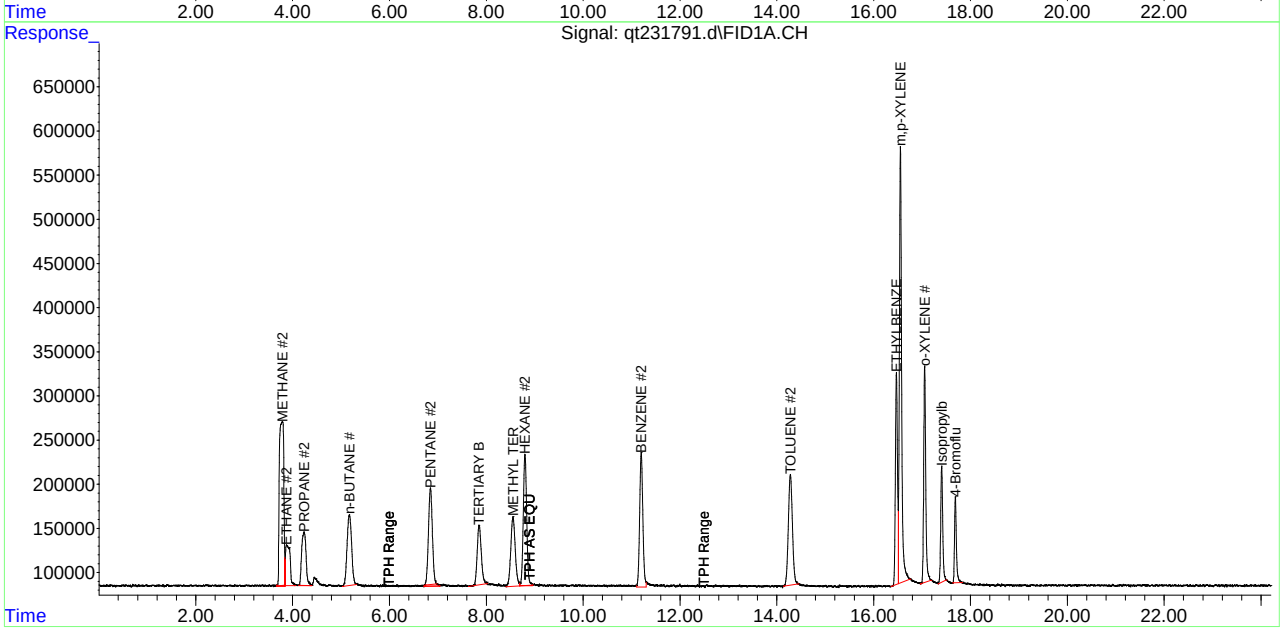
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231791.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 22:44:06
Operator : williamc
Sample : cc3105-5
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:02:59 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number:	GQT3108-CC3105	**Method:**	EPA TO-3
Lab FileID:	QT231791.D	**Analyst approved:**	01/10/25 14:43 William Cruser
Injection Time:	01/09/25 22:44	**Supervisor approved:**	01/10/25 15:15 Kanya Veerawat

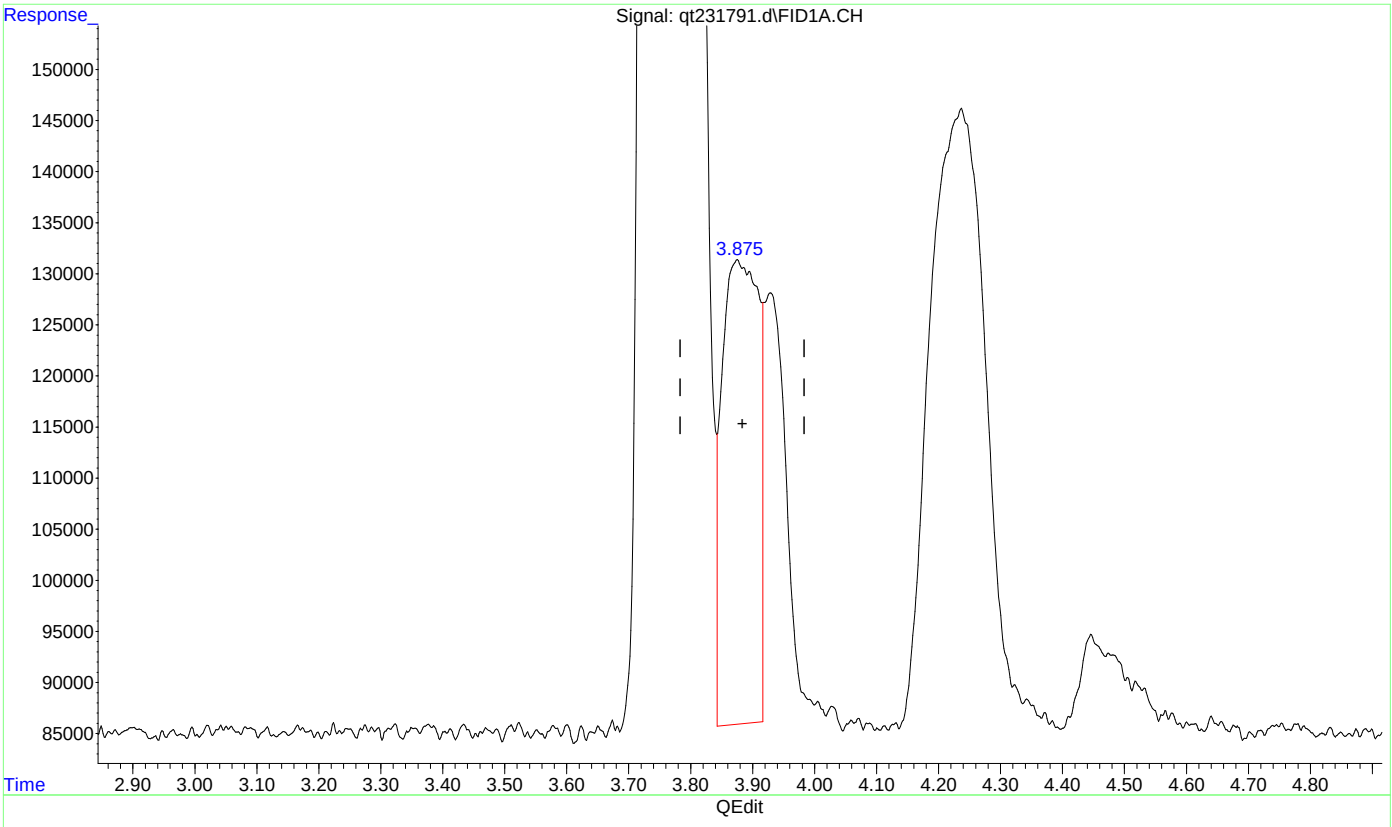
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethane	74-84-0	2	3.87	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231791.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 22:44:06
Operator : williamc
Sample : cc3105-5
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:22:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(12) ETHANE #2

3.875min 2.598 PPMV

response 1840045

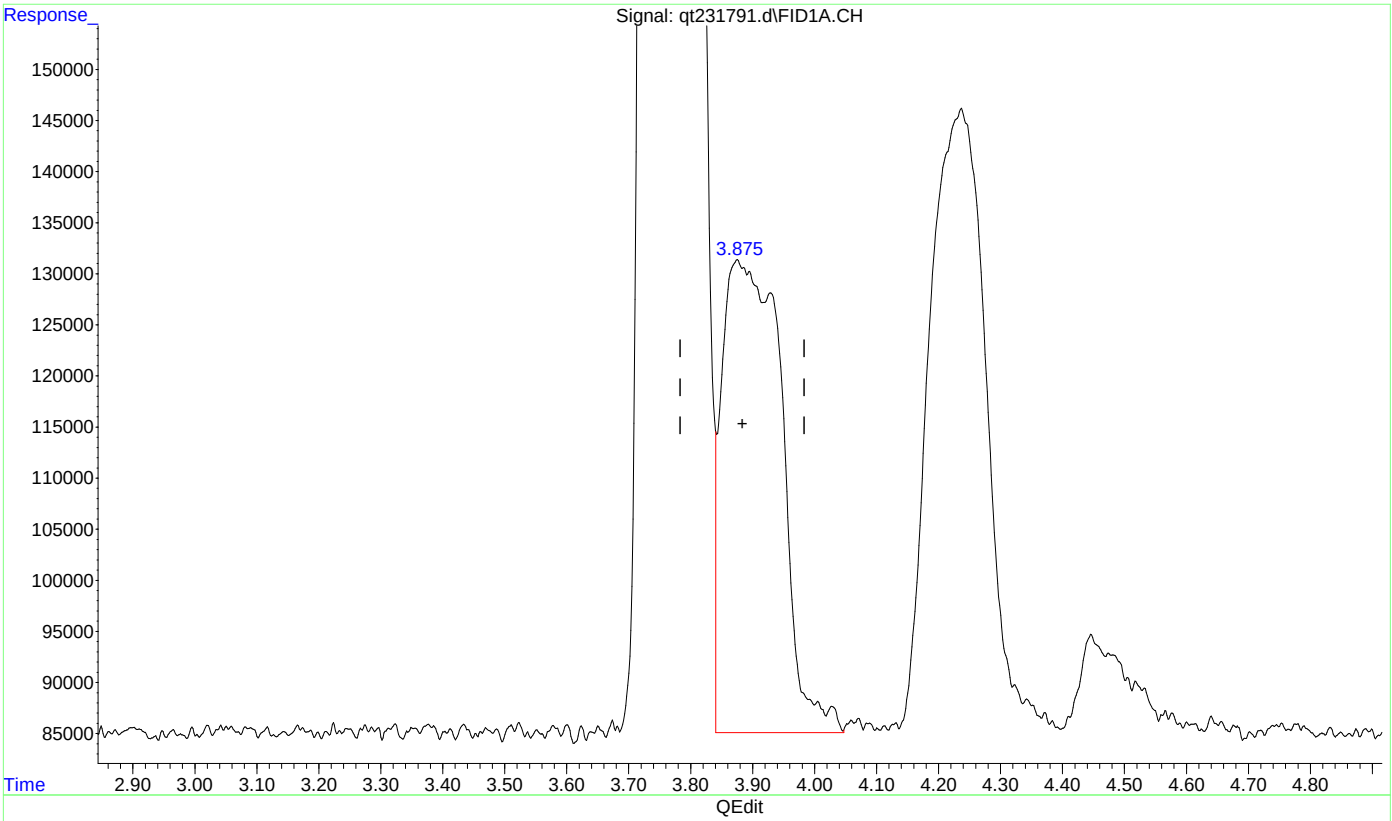
(+) = Expected Retention Time
MQT3105.M Fri Jan 10 14:01:03 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231791.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 09-Jan-25, 22:44:06
Operator : williamc
Sample : cc3105-5
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 08:22:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(12) ETHANE #2

3.875min 4.345 PPMV m

response 3077727

(+) = Expected Retention Time
MQT3105.M Fri Jan 10 14:01:23 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231795.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 10-Jan-25, 01:26:20
Operator : williamc
Sample : cc3105-10
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:19:05 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.689	2572560	9.583 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	95.83%	
26) s	4-Bromofluorobenzene #2	17.691	2511828	7.661 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	76.61%	
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.569	4326614	8.782 PPMV
2)	BENZENE	11.213	7033011	9.035 PPMV
3)	TOLUENE	14.293	7379776	9.460 PPMV
4)	ETHYLBENZENE	16.473	6282458	9.102 PPMV
5)	m,p-XYLENE	16.555	17402749	18.728 PPMV
6)	o-XYLENE	17.055	6329043	8.534 PPMV
7)	ISOPROPYLBENZENE	17.406	2967663	4.731 PPMV
11)	METHANE #2	3.792	23968409	80.933 PPMV
12)	ETHANE #2	3.883	6285980	8.875 PPMV
13)	PROPANE #2	4.243	8007436	8.848 PPMV
14)	n-BUTANE #2	5.187	10829408	8.831 PPMV
15)	PENTANE #2	6.865	12597507	8.705 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.871	8080672	8.125 PPMV
17)	METHYL TERTIARY BUTYL...	8.569	9975710	8.311 PPMV
18)	HEXANE #2	8.818	14800427	8.917 PPMV
19)	BENZENE #2	11.214	13896363	8.401 PPMV
20)	TOLUENE #2	14.291	14782675	8.695 PPMV
21)	ETHYLBENZENE #2	16.474	14316162	7.766 PPMV
22)	m,p-XYLENE #2	16.557	32663416	15.705 PPMV
23)	o-XYLENE #2	17.056	14555098	9.145 PPMV
24)	Isopropylbenzene #2	17.407	7942276	4.318 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	12882634	8.688 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	24156005	81.274 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	14859495	8.766 PPMV
30) H	TPH Range A as Methan...	6.000	23923792	80.330 ppmv
31) H	TPH Range A as Methan...	6.000	24005986	80.729 PPMV
32) H	TPH Range B as Pentan...	12.500	13028863	8.810 ppmv
33) H	TPH Range A as Propan...	6.000	7898810	8.794 ppmv
34) H	TPH Range B as Hexane #2	12.500	14690524	8.664 ppmv

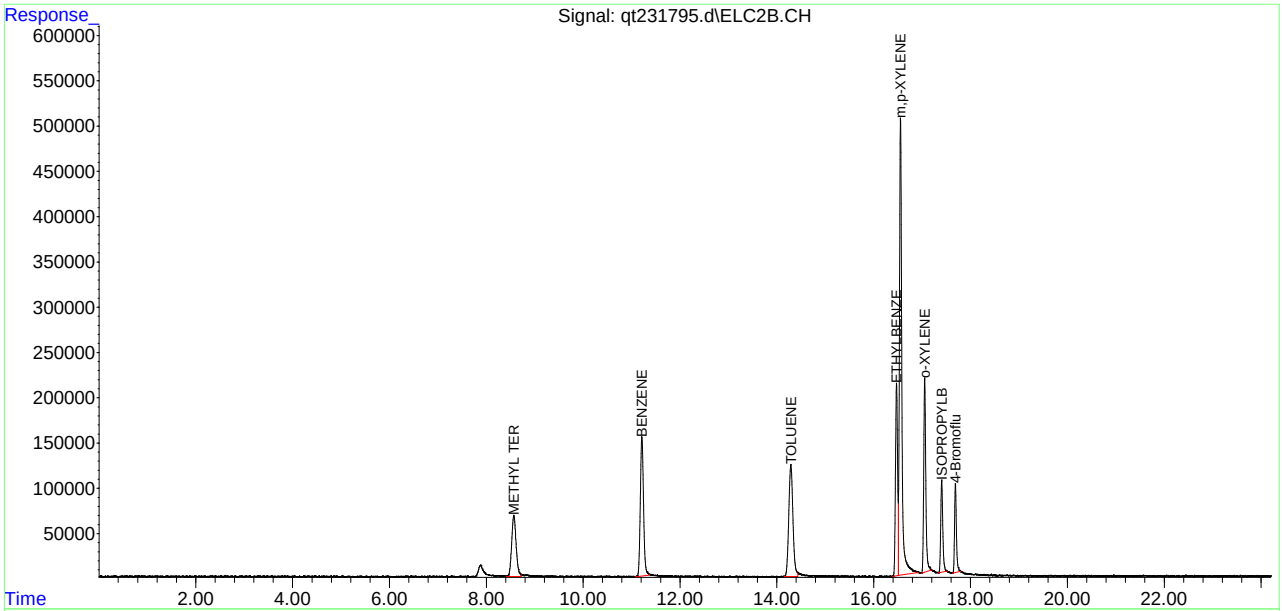
(f)=RT Delta > 1/2 Window (m)=manual int.

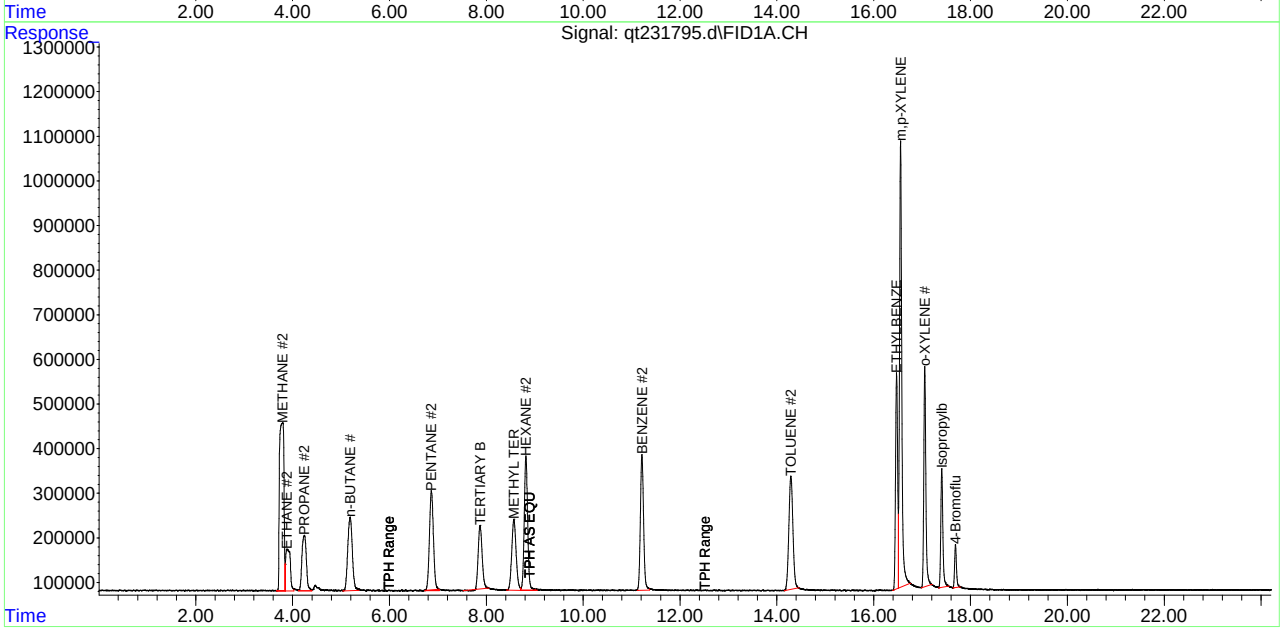
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231795.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 10-Jan-25, 01:26:20
Operator : williamc
Sample : cc3105-10
Misc : GC64264,GQT3108,,,,,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 10 14:19:05 2025
Quant Method : C:\msdchem\1\METHODS\MQT3105.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Fri Jan 03 20:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





TO-3 ANALYSIS by GC-FID/PID LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration**
4-BFB	a961	AS10512	12/2/2025	100ppmv
TO3 STD	a772	AS10514	1/18/2025	10ppmv
TO3 STD	a370	AS10515	1/18/2025	5ppmv
TO3 BS	A082	AS10516	1/18/2025	10ppmv
TO3 STD	a034	AS10517	1/18/2025	1.0ppmv
TO3 STD	a734	AS10518	1/18/2025	0.5ppmv
TO3 STD	m133	AS10519	1/18/2025	0.1ppmv
TO3 STD	a666	AS10520	1/18/2025	0.05ppmv
TO3 STD	a1011	AS10482	10/1/2025	100ppmv

Batch ID: **GQT3105**
Date: **1/3/2025**
Laboratory Analyst: **Thomas Hilbig**
Columns: Rtx-502.2: 105m x 0.53mm x 3um
GC Method: BTEX3.M
Sequence File: QT20250103.s
Initial Calibration Method: MQT3105.M
Concentrator Method: QT-TO3.7650LX.LX
Data Validator: **William Cruser**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	GC Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	Tedlar Bag	Surrogate Areas	STATUS	COMMENTS
c9	ib	qt231725			a666	1.0					
c6	ic3105-0.05	qt231726			a666	1.0			√	OK	
d4	ic3105-0.1	qt231727			m133	1.0			√	OK	
d5	ic3105-0.5	qt231728			a734	1.0			√	OK	
d6	ic3105-1.0	qt231729			a034	1.0			√	OK	
d7	ic3105-5.0	qt231730			a370	1.0			√	OK	
d9	icc3105-10	qt231731			a772	1.0			√	OK	
d3	ic3105-100	qt231732			a1011	1.0			√	OK	
d8	icv3105-10	qt231733			a082	1.0			√	OK	
d7	cc3105-5	qt231734			a370	1.0				NOT USED	
d8	bs	qt231735			a082	1.0				NOT USED	
c9	mb	qt231736			a962	1.0				NOT USED	
c1	je3098-1	qt231737			a1545	1.0	1			NOT USED	
c2	je3098-2	qt231738			a2320	1.0	1			NOT USED	
c2	je3098-2dup	qt231739			a2320	1.0	1		↓	NOT USED	
d2	je3575-3	qt231740			tbag,a418	1.0	1		↓	NOT USED	
d9	cc3105-10	qt231741				1.0				NOT USED	
c9	ib	qt231742			a962	1.0				NOT USED	
c9	ib	qt231743			a962	1.0				NOT USED	
c9	ib	qt231744			a962	1.0				NOT USED	
c9	ib	qt231745			a962	1.0				NOT USED	
c9	ib	qt231746			a962	1.0				NOT USED	
c3	je2985-1	qt231747			a1885	1.0	1.15		↓	NOT USED	
d7	cc3105-5	qt231748				1.0				NOT USED	

TO-3 ANALYSIS by GC-FID/PID LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration**
4-BFB	a961	AS10512	12/2/2025	100ppmv
TO3 STD	a772	AS10514	1/18/2025	10ppmv
TO3 STD	a370	AS10515	1/18/2025	5ppmv
TO3 BS	A082	AS10516	1/18/2025	10ppmv

Batch ID: **GQT3106**
Date: **1/6/2025**
Laboratory Analyst: **William Cruser**
Columns: Rtx-502.2: 105m x 0.53mm x 3um
GC Method: BTEX3.M
Sequence File: QT20250106.s
Initial Calibration Method: MQT3105.M
Concentrator Method: QT-TO3.7650LX.LX
Data Validator: **William Cruser**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	GC Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	Tedlar Bag	Surrogate Areas	STATUS	COMMENTS
c9	cc3105-5	qt231749			a370	1.0			√	OK	
c6	bs	qt231750			a082	1.0			√	OK	
d4	mb	qt231751			a962	1.0			√	OK	
c1	je3098-1	qt231752	GC64244	BTXMTPHF	a1545	1.0	1.12		√	OK	
c1	je3098-1dup	qt231753	GC64244	BTXMTPHF	a1545	1.0	1.12		√	OK	
d9	cc3105-10	qt231754			a772	1.0			√	OK	
c2	je3098-2	qt231755	GC64244	BTXMTPHF	a2320	1.0	1		√	OK	
d2	je3575-3	qt231756	GC64268	BTXTPH	tbag,a418	1.0	1		√	OK	
c3	je2985-1	qt231757	GC64227	CH4	a1885	1.0	1.288		√	OK	
d7	cc3105-5	qt231758			a370	1.0			√	OK	
d1	je3522-11	qt231759	GC64264	CH4	a358	1.0	1.38		√	OK	
d2	je3522-12	qt231760	GC64264	CH4	a1783	1.0	1.35		√	OK	
d3	je3522-13	qt231761	GC64264	CH4	a471	1.0	1.45		√	OK	
d4	je3522-14	qt231762	GC64264	CH4	a735	1.0	1.30		√	OK	
d5	je3522-15	qt231763	GC64264	CH4	a1013	1.0	1.33		√	OK	
d9	cc3105-10	qt231764			a772	1.0			√	OK	

TO-3 ANALYSIS by GC-FID/PID LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration**
4-BFB	a961	AS10512	12/2/2025	100ppmv
TO3 STD	a772	AS10514	1/18/2025	10ppmv
TO3 STD	a370	AS10515	1/18/2025	5ppmv
TO3 BS	A082	AS10516	1/18/2025	10ppmv

Batch ID: **GQT3106**
Date: **1/6/2025**
Laboratory Analyst: **William Cruser**
Columns: Rtx-502.2: 105m x 0.53mm x 3um
GC Method: BTEX3.M
Sequence File: QT20250106.s
Initial Calibration Method: MQT3105.M
Concentrator Method: QT-TO3.7650LX.LX
Data Validator: **William Cruser**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Canisters Pressurization/Dilution Log							
Date	**INITIAL**	**Sample ID**	**Canister ID**	**Initial Vacuum (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**COMMENTS**
1/7/2025	wc	je3522-11	a358	6.5	1.1	1.38	
1/7/2025	wc	je3522-12	a1783	6.0	1.2	1.35	
1/7/2025	wc	je3522-13	a471	7.5	1.3	1.45	
1/7/2025	wc	je3522-14	a735	5.0	1.2	1.30	
1/7/2025	wc	je3522-15	a1013	5.5	1.2	1.33	

TO-3 ANALYSIS by GC-FID/PID LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration**
4-BFB	a961	AS10512	12/2/2025	100ppmv
TO3 STD	a772	AS10514	1/18/2025	10ppmv
TO3 STD	a370	AS10515	1/18/2025	5ppmv
TO3 BS	A082	AS10516	1/18/2025	10ppmv

Batch ID: **GQT3108**
Date: **1/9/2025**
Laboratory Analyst: **William Cruser**
Columns: Rtx-502.2: 105m x 0.53mm x 3um
GC Method: BTEX3.M
Sequence File: QT20250109.s
Initial Calibration Method: MQT3105.M
Concentrator Method: QT-TO3.7650LX.LX
Data Validator: **William Cruser**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	GC Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	Tedlar Bag	Surrogate Areas	STATUS	COMMENTS
c9	cc3105-5	qt231779			a370	1.0			√	OK	
c6	bs	qt231780			a082	1.0			√	OK	
d4	mb	qt231781			a962	1.0			√	OK	
c1	je3522-1	qt231782	GC64264	CH4	a871	1.0	1.60		√	OK	
c1	je3522-1dup	qt231783	GC64264	CH4	a871	1.0	1.60		√	OK	
d9	cc3105-10	qt231784							√	OK	
c2	je3522-2	qt231785	GC64264	CH4	a2105	1.0	1.43		√	OK	
c3	je3522-3	qt231786	GC64264	CH4	a1334	1.0	1.25		√	OK	
c4	je3522-4	qt231787	GC64264	CH4	a2158	1.0	1.35		√	OK	
c5	je3522-5	qt231788	GC64264	CH4	a1285	1.0	1.52		√	OK	
c6	je3522-6	qt231789	GC64264	CH4	m026	1.0	1.23		√	OK	
c7	je3522-7	qt231790	GC64264	CH4	a2097	1.0	1.08		√	OK	
d7	cc3105-5	qt231791				1.0			√	OK	
c8	je3522-8	qt231792	GC64264	CH4	a1073	1.0	1.38		√	OK	
d1	je3522-9	qt231793	GC64264	CH4	m409	1.0	1.08		√	OK	
d2	je3522-10	qt231794	GC64264	CH4	a1166	1.0	1.28		√	OK	
d9	cc3105-10	qt231795				1.0			√	OK	

TO-3 ANALYSIS by GC-FID/PID LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration**
4-BFB	a961	AS10512	12/2/2025	100ppmv
TO3 STD	a772	AS10514	1/18/2025	10ppmv
TO3 STD	a370	AS10515	1/18/2025	5ppmv
TO3 BS	A082	AS10516	1/18/2025	10ppmv

Batch ID: **GQT3108**
Date: **1/9/2025**
Laboratory Analyst: **William Cruser**
Columns: Rtx-502.2: 105m x 0.53mm x 3um
GC Method: BTEX3.M
Sequence File: QT20250109.s
Initial Calibration Method: MQT3105.M
Concentrator Method: QT-TO3.7650LX.LX
Data Validator: **William Cruser**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Canisters Pressurization/Dilution Log							
Date	**INITIAL**	**Sample ID**	**Canister ID**	**Initial Vacuum (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**COMMENTS**
1/9/2025	wc	je3522-1	a871	10.0	1.0	1.60	
1/9/2025	wc	je3522-2	a2105	7.0	1.3	1.43	
1/9/2025	wc	je3522-3	a1334	4.0	1.2	1.25	
1/9/2025	wc	je3522-4	a2158	6.0	1.2	1.35	
1/9/2025	wc	je3522-5	a1285	8.5	1.3	1.52	
1/9/2025	wc	je3522-6	m026	3.5	1.2	1.23	
1/9/2025	wc	je3522-7	a1097	0.0	1.2	1.08	
1/9/2025	wc	je3522-8	a1073	6.5	1.1	1.38	
1/9/2025	wc	je3522-9	m409	0.0	1.2	1.08	
1/9/2025	wc	je3522-10	a1166	4.5	1.2	1.28	

The results set forth herein are provided by SGS North America Inc.

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Automated Report



Technical Report for

Paulus, Sokolowski and Sartor Inc

Edge on Hudson, Sleepy Hollow, NY

083970001

SGS Job Number: JE5543

Sampling Date: 02/11/25

Report to:

Paulus Sokolowski and Sartor Inc
3 Mountainview Road
Warren, NJ 07059
jboyer@psands.com; randes@psands.com

ATTN: James Boyer

Total number of pages in report: **493**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Marie Meidhof 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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SGS North America Inc.

Sample Summary

Paulus, Sokolowski and Sartor Inc

Job No: JE5543

Edge on Hudson, Sleepy Hollow, NY
Project No: 083970001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the MDL							
JE5543-1	02/11/25	12:00	RA	02/11/25	AIR	Ambient Air Comp.	21125 AMBIENT
JE5543-2	02/11/25	12:00	RA	02/11/25	AIR	Soil Vapor Comp.	21125 VP-06 SOIL VAPOR
JE5543-3	02/11/25	12:00	RA	02/11/25	AIR	Indoor Air Comp.	21125 VP-06 INDOOR
JE5543-4	02/11/25	12:00	RA	02/11/25	AIR	Soil Vapor Comp.	21125 VP-07 SOIL VAPOR
JE5543-5	02/11/25	12:00	RA	02/11/25	AIR	Indoor Air Comp.	21125 VP-07 INDOOR

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Paulus, Sokolowski and Sartor Inc	**Job No:**	JE5543
Site:	Edge on Hudson, Sleepy Hollow, NY	**Report Date**	2/18/2025 2:56:57 PM

On 02/11/2025, 5 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. An SGS Job Number of JE5543 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2179

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE5543-2DUP were used as the QC samples indicated.
- The blank spike (BS) recovery(s) of Trichlorofluoromethane are outside control limits.
- The duplicate RPD(s) for Chloromethane, Dichlorodifluoromethane are outside control limits for sample JE5543-2DUP. Probable cause due to sample homogeneity.
- JE5543-5 for Trichlorofluoromethane: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE5543-4 for Trichlorofluoromethane: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE5543-3 for Trichlorofluoromethane: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE5543-2 for Trichlorofluoromethane: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE5543-1 for Trichlorofluoromethane: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- V5W2179-BS for Trichlorofluoromethane: Outside in house control limits.

GC Volatiles By Method EPA TO-3

Matrix: AIR **Batch ID:** GQT3117

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE5543-1DUP were used as the QC samples indicated.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE5543
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 02/11/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE5543-1	**21125 AMBIENT**					
Acetone (2-Propanone)		2.7	0.16	0.12	ppbv	TO-15
Benzene		0.22	0.16	0.038	ppbv	TO-15
Chloromethane		0.50	0.16	0.072	ppbv	TO-15
Carbon tetrachloride		0.078	0.032	0.032	ppbv	TO-15
Dichlorodifluoromethane		0.53	0.16	0.083	ppbv	TO-15
trans-1,2-Dichloroethylene		0.086 J	0.16	0.022	ppbv	TO-15
Ethanol		2.2	0.40	0.32	ppbv	TO-15
Ethylbenzene		0.097 J	0.16	0.049	ppbv	TO-15
Ethyl Acetate		70.0	0.80	0.42	ppbv	TO-15
Hexane		0.27	0.16	0.042	ppbv	TO-15
Isopropyl Alcohol		0.36	0.16	0.11	ppbv	TO-15
Methylene chloride		0.30	0.16	0.11	ppbv	TO-15
Methyl ethyl ketone		0.14 J	0.16	0.088	ppbv	TO-15
2,2,4-Trimethylpentane		0.087 J	0.16	0.032	ppbv	TO-15
Toluene		0.21	0.16	0.046	ppbv	TO-15
Trichlorofluoromethane [a]		0.34	0.080	0.12	ppbv	TO-15
m,p-Xylene		0.30	0.16	0.11	ppbv	TO-15
o-Xylene		0.094 J	0.16	0.062	ppbv	TO-15
Xylenes (total)		0.39	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)		6.4	0.38	0.29	ug/m3	TO-15
Benzene		0.70	0.51	0.12	ug/m3	TO-15
Chloromethane		1.0	0.33	0.15	ug/m3	TO-15
Carbon tetrachloride		0.49	0.20	0.20	ug/m3	TO-15
Dichlorodifluoromethane		2.6	0.79	0.41	ug/m3	TO-15
trans-1,2-Dichloroethylene		0.34 J	0.63	0.087	ug/m3	TO-15
Ethanol		4.1	0.75	0.60	ug/m3	TO-15
Ethylbenzene		0.42 J	0.69	0.21	ug/m3	TO-15
Ethyl Acetate		252	2.9	1.5	ug/m3	TO-15
Hexane		0.95	0.56	0.15	ug/m3	TO-15
Isopropyl Alcohol		0.88	0.39	0.27	ug/m3	TO-15
Methylene chloride		1.0	0.56	0.38	ug/m3	TO-15
Methyl ethyl ketone		0.41 J	0.47	0.26	ug/m3	TO-15
2,2,4-Trimethylpentane		0.41 J	0.75	0.15	ug/m3	TO-15
Toluene		0.79	0.60	0.17	ug/m3	TO-15
Trichlorofluoromethane [a]		1.9	0.45	0.67	ug/m3	TO-15
m,p-Xylene		1.3	0.69	0.48	ug/m3	TO-15
o-Xylene		0.41 J	0.69	0.27	ug/m3	TO-15
Xylenes (total)		1.7	0.69	0.27	ug/m3	TO-15
JE5543-2	**21125 VP-06 SOIL VAPOR**					
Acetone (2-Propanone)		0.86	0.20	0.15	ppbv	TO-15
Benzene		0.11 J	0.20	0.047	ppbv	TO-15

Summary of Hits

Job Number: JE5543
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 02/11/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Carbon disulfide		0.61	0.20	0.045	ppbv	TO-15
Chloroform		0.33	0.20	0.037	ppbv	TO-15
Chloromethane		0.19 J	0.20	0.090	ppbv	TO-15
Dichlorodifluoromethane		0.37	0.20	0.10	ppbv	TO-15
trans-1,2-Dichloroethylene		1.0	0.20	0.028	ppbv	TO-15
Ethanol		1.7	0.50	0.39	ppbv	TO-15
Ethylbenzene		0.12 J	0.20	0.061	ppbv	TO-15
Ethyl Acetate		34.9	0.20	0.10	ppbv	TO-15
Isopropyl Alcohol		0.25	0.20	0.14	ppbv	TO-15
Methylene chloride		0.39	0.20	0.13	ppbv	TO-15
1,2,4-Trimethylbenzene		0.22	0.20	0.087	ppbv	TO-15
Tetrachloroethylene		0.49	0.040	0.014	ppbv	TO-15
Toluene		0.20	0.20	0.057	ppbv	TO-15
Trichloroethylene		0.072	0.040	0.019	ppbv	TO-15
Trichlorofluoromethane [a]		0.33	0.10	0.15	ppbv	TO-15
m,p-Xylene		0.42	0.20	0.14	ppbv	TO-15
o-Xylene		0.15 J	0.20	0.077	ppbv	TO-15
Xylenes (total)		0.57	0.20	0.077	ppbv	TO-15
Acetone (2-Propanone)		2.0	0.48	0.36	ug/m3	TO-15
Benzene		0.35 J	0.64	0.15	ug/m3	TO-15
Carbon disulfide		1.9	0.62	0.14	ug/m3	TO-15
Chloroform		1.6	0.98	0.18	ug/m3	TO-15
Chloromethane		0.39 J	0.41	0.19	ug/m3	TO-15
Dichlorodifluoromethane		1.8	0.99	0.49	ug/m3	TO-15
trans-1,2-Dichloroethylene		4.0	0.79	0.11	ug/m3	TO-15
Ethanol		3.2	0.94	0.73	ug/m3	TO-15
Ethylbenzene		0.52 J	0.87	0.26	ug/m3	TO-15
Ethyl Acetate		126	0.72	0.36	ug/m3	TO-15
Isopropyl Alcohol		0.61	0.49	0.34	ug/m3	TO-15
Methylene chloride		1.4	0.69	0.45	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.1	0.98	0.43	ug/m3	TO-15
Tetrachloroethylene		3.3	0.27	0.095	ug/m3	TO-15
Toluene		0.75	0.75	0.21	ug/m3	TO-15
Trichloroethylene		0.39	0.21	0.10	ug/m3	TO-15
Trichlorofluoromethane [a]		1.9	0.56	0.84	ug/m3	TO-15
m,p-Xylene		1.8	0.87	0.61	ug/m3	TO-15
o-Xylene		0.65 J	0.87	0.33	ug/m3	TO-15
Xylenes (total)		2.5	0.87	0.33	ug/m3	TO-15
JE5543-3	**21125 VP-06 INDOOR**					
Acetone (2-Propanone)		106	4.0	2.9	ppbv	TO-15
Benzene		0.17	0.16	0.038	ppbv	TO-15
Chloromethane		0.49	0.16	0.072	ppbv	TO-15
Carbon tetrachloride		0.081	0.032	0.032	ppbv	TO-15

Summary of Hits

Job Number: JE5543
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 02/11/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Dichlorodifluoromethane		0.59	0.16	0.083	ppbv	TO-15
trans-1,2-Dichloroethylene		0.61	0.16	0.022	ppbv	TO-15
Ethanol		35.2	0.40	0.32	ppbv	TO-15
Ethylbenzene		0.097 J	0.16	0.049	ppbv	TO-15
Ethyl Acetate		10.1	0.16	0.083	ppbv	TO-15
4-Ethyltoluene		0.15 J	0.16	0.076	ppbv	TO-15
Hexane		0.97	0.16	0.042	ppbv	TO-15
Isopropyl Alcohol		0.53	0.16	0.11	ppbv	TO-15
Methylene chloride		0.29	0.16	0.11	ppbv	TO-15
Methyl ethyl ketone		107	4.0	2.2	ppbv	TO-15
1,2,4-Trimethylbenzene		0.51	0.16	0.070	ppbv	TO-15
1,3,5-Trimethylbenzene		0.15 J	0.16	0.064	ppbv	TO-15
Tetrahydrofuran		313	4.0	1.8	ppbv	TO-15
Toluene		2.2	0.16	0.046	ppbv	TO-15
Trichlorofluoromethane [a]		0.35	0.080	0.12	ppbv	TO-15
m,p-Xylene		0.34	0.16	0.11	ppbv	TO-15
o-Xylene		0.13 J	0.16	0.062	ppbv	TO-15
Xylenes (total)		0.47	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)		252	9.5	6.9	ug/m3	TO-15
Benzene		0.54	0.51	0.12	ug/m3	TO-15
Chloromethane		1.0	0.33	0.15	ug/m3	TO-15
Carbon tetrachloride		0.51	0.20	0.20	ug/m3	TO-15
Dichlorodifluoromethane		2.9	0.79	0.41	ug/m3	TO-15
trans-1,2-Dichloroethylene		2.4	0.63	0.087	ug/m3	TO-15
Ethanol		66.3	0.75	0.60	ug/m3	TO-15
Ethylbenzene		0.42 J	0.69	0.21	ug/m3	TO-15
Ethyl Acetate		36.4	0.58	0.30	ug/m3	TO-15
4-Ethyltoluene		0.74 J	0.79	0.37	ug/m3	TO-15
Hexane		3.4	0.56	0.15	ug/m3	TO-15
Isopropyl Alcohol		1.3	0.39	0.27	ug/m3	TO-15
Methylene chloride		1.0	0.56	0.38	ug/m3	TO-15
Methyl ethyl ketone		316	12	6.5	ug/m3	TO-15
1,2,4-Trimethylbenzene		2.5	0.79	0.34	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.74 J	0.79	0.31	ug/m3	TO-15
Tetrahydrofuran		923	12	5.3	ug/m3	TO-15
Toluene		8.3	0.60	0.17	ug/m3	TO-15
Trichlorofluoromethane [a]		2.0	0.45	0.67	ug/m3	TO-15
m,p-Xylene		1.5	0.69	0.48	ug/m3	TO-15
o-Xylene		0.56 J	0.69	0.27	ug/m3	TO-15
Xylenes (total)		2.1	0.69	0.27	ug/m3	TO-15
JE5543-4	**21125 VP-07 SOIL VAPOR**					
Acetone (2-Propanone)		2.6	0.20	0.15	ppbv	TO-15
Benzene		0.27	0.20	0.047	ppbv	TO-15

Summary of Hits

Job Number: JE5543
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 02/11/25

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Carbon disulfide	1.4	0.20	0.045	ppbv	TO-15
Chloroform	0.28	0.20	0.037	ppbv	TO-15
Dichlorodifluoromethane	0.71	0.20	0.10	ppbv	TO-15
trans-1,2-Dichloroethylene	0.60	0.20	0.028	ppbv	TO-15
Ethanol	11.1	0.50	0.39	ppbv	TO-15
Ethylbenzene	0.83	0.20	0.061	ppbv	TO-15
Ethyl Acetate	146	1.2	0.63	ppbv	TO-15
Heptane	0.11 J	0.20	0.091	ppbv	TO-15
Hexane	0.60	0.20	0.052	ppbv	TO-15
Isopropyl Alcohol	1.7	0.20	0.14	ppbv	TO-15
Methylene chloride	0.52	0.20	0.13	ppbv	TO-15
Methyl ethyl ketone	0.49	0.20	0.11	ppbv	TO-15
Styrene	0.10 J	0.20	0.053	ppbv	TO-15
1,2,4-Trimethylbenzene	0.30	0.20	0.087	ppbv	TO-15
Tetrachloroethylene	1.0	0.040	0.014	ppbv	TO-15
Tetrahydrofuran	0.76	0.20	0.090	ppbv	TO-15
Toluene	2.1	0.20	0.057	ppbv	TO-15
Trichloroethylene	1.8	0.040	0.019	ppbv	TO-15
Trichlorofluoromethane [a]	1.4	0.10	0.15	ppbv	TO-15
Vinyl Acetate	1.5	0.20	0.11	ppbv	TO-15
m,p-Xylene	3.3	0.20	0.14	ppbv	TO-15
o-Xylene	1.0	0.20	0.077	ppbv	TO-15
Xylenes (total)	4.3	0.20	0.077	ppbv	TO-15
Acetone (2-Propanone)	6.2	0.48	0.36	ug/m3	TO-15
Benzene	0.86	0.64	0.15	ug/m3	TO-15
Carbon disulfide	4.4	0.62	0.14	ug/m3	TO-15
Chloroform	1.4	0.98	0.18	ug/m3	TO-15
Dichlorodifluoromethane	3.5	0.99	0.49	ug/m3	TO-15
trans-1,2-Dichloroethylene	2.4	0.79	0.11	ug/m3	TO-15
Ethanol	20.9	0.94	0.73	ug/m3	TO-15
Ethylbenzene	3.6	0.87	0.26	ug/m3	TO-15
Ethyl Acetate	525	4.3	2.3	ug/m3	TO-15
Heptane	0.45 J	0.82	0.37	ug/m3	TO-15
Hexane	2.1	0.70	0.18	ug/m3	TO-15
Isopropyl Alcohol	4.2	0.49	0.34	ug/m3	TO-15
Methylene chloride	1.8	0.69	0.45	ug/m3	TO-15
Methyl ethyl ketone	1.4	0.59	0.32	ug/m3	TO-15
Styrene	0.43 J	0.85	0.23	ug/m3	TO-15
1,2,4-Trimethylbenzene	1.5	0.98	0.43	ug/m3	TO-15
Tetrachloroethylene	6.8	0.27	0.095	ug/m3	TO-15
Tetrahydrofuran	2.2	0.59	0.27	ug/m3	TO-15
Toluene	7.9	0.75	0.21	ug/m3	TO-15
Trichloroethylene	9.7	0.21	0.10	ug/m3	TO-15
Trichlorofluoromethane [a]	7.9	0.56	0.84	ug/m3	TO-15
Vinyl Acetate	5.3	0.70	0.39	ug/m3	TO-15

Summary of Hits

Job Number: JE5543
Account: Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Collected: 02/11/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
m,p-Xylene		14	0.87	0.61	ug/m3	TO-15
o-Xylene		4.3	0.87	0.33	ug/m3	TO-15
Xylenes (total)		18	0.87	0.33	ug/m3	TO-15
JE5543-5	**21125 VP-07 INDOOR**					
Acetone (2-Propanone)		3.1	0.16	0.12	ppbv	TO-15
Benzene		0.23	0.16	0.038	ppbv	TO-15
Chloromethane		0.47	0.16	0.072	ppbv	TO-15
Carbon tetrachloride		0.084	0.032	0.032	ppbv	TO-15
Dichlorodifluoromethane		0.59	0.16	0.083	ppbv	TO-15
trans-1,2-Dichloroethylene		0.26	0.16	0.022	ppbv	TO-15
Ethanol		6.9	0.40	0.32	ppbv	TO-15
Ethyl Acetate		56.6	0.80	0.42	ppbv	TO-15
Hexane		0.96	0.16	0.042	ppbv	TO-15
Isopropyl Alcohol		0.56	0.16	0.11	ppbv	TO-15
Methylene chloride		0.47	0.16	0.11	ppbv	TO-15
Methyl ethyl ketone		0.26	0.16	0.088	ppbv	TO-15
Tetrahydrofuran		0.18	0.16	0.072	ppbv	TO-15
Toluene		1.8	0.16	0.046	ppbv	TO-15
Trichlorofluoromethane [a]		0.39	0.080	0.12	ppbv	TO-15
m,p-Xylene		0.23	0.16	0.11	ppbv	TO-15
o-Xylene		0.10 J	0.16	0.062	ppbv	TO-15
Xylenes (total)		0.33	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)		7.4	0.38	0.29	ug/m3	TO-15
Benzene		0.73	0.51	0.12	ug/m3	TO-15
Chloromethane		0.97	0.33	0.15	ug/m3	TO-15
Carbon tetrachloride		0.53	0.20	0.20	ug/m3	TO-15
Dichlorodifluoromethane		2.9	0.79	0.41	ug/m3	TO-15
trans-1,2-Dichloroethylene		1.0	0.63	0.087	ug/m3	TO-15
Ethanol		13	0.75	0.60	ug/m3	TO-15
Ethyl Acetate		204	2.9	1.5	ug/m3	TO-15
Hexane		3.4	0.56	0.15	ug/m3	TO-15
Isopropyl Alcohol		1.4	0.39	0.27	ug/m3	TO-15
Methylene chloride		1.6	0.56	0.38	ug/m3	TO-15
Methyl ethyl ketone		0.77	0.47	0.26	ug/m3	TO-15
Tetrahydrofuran		0.53	0.47	0.21	ug/m3	TO-15
Toluene		6.8	0.60	0.17	ug/m3	TO-15
Trichlorofluoromethane [a]		2.2	0.45	0.67	ug/m3	TO-15
m,p-Xylene		1.0	0.69	0.48	ug/m3	TO-15
o-Xylene		0.43 J	0.69	0.27	ug/m3	TO-15
Xylenes (total)		1.4	0.69	0.27	ug/m3	TO-15

(a) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	21125 AMBIENT		
Lab Sample ID:	JE5543-1	**Date Sampled:**	02/11/25
Matrix:	AIR - Ambient Air Comp. Summa ID: A1686	**Date Received:**	02/11/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W56875.D	1	02/14/25 01:30	TCH	n/a	n/a	V5W2179
Run #2	5W56886.D	1	02/14/25 10:03	TCH	n/a	n/a	V5W2179

	Initial Volume
Run #1	500 ml
Run #2	100 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	2.7	0.16	0.12	ppbv		6.4	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	0.067	ppbv		ND	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.22	0.16	0.038	ppbv		0.70	0.51	0.12	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane	0.50	0.16	0.072	ppbv		1.0	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.078	0.032	0.032	ppbv		0.49	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	0.036	ppbv		ND	0.55	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.024	ppbv		ND	0.61	0.18	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.038	ppbv		ND	0.58	0.14	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.53	0.16	0.083	ppbv		2.6	0.79	0.41	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.086	0.16	0.022	ppbv	J	0.34	0.63	0.087	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.024	ppbv		ND	0.13	0.095	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.11	ppbv		ND	0.48	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.055	ppbv		ND	0.19	0.33	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.063	ppbv		ND	0.48	0.38	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21125 AMBIENT		
Lab Sample ID:	JE5543-1	**Date Sampled:**	02/11/25
Matrix:	AIR - Ambient Air Comp. Summa ID: A1686	**Date Received:**	02/11/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	2.2	0.40	0.32	ppbv		4.1	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	0.097	0.16	0.049	ppbv	J	0.42	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	70.0 [a]	0.80	0.42	ppbv		252 [a]	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	0.076	ppbv		ND	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.16	0.073	ppbv		ND	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	0.27	0.16	0.042	ppbv		0.95	0.56	0.15	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.36	0.16	0.11	ppbv		0.88	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	0.30	0.16	0.11	ppbv		1.0	0.56	0.38	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.14	0.16	0.088	ppbv	J	0.41	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene	ND	0.40	0.11	ppbv		ND	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	ND	0.16	0.042	ppbv		ND	0.68	0.18	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.062	ppbv		ND	0.44	0.34	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	0.070	ppbv		ND	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	0.064	ppbv		ND	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.087	0.16	0.032	ppbv	J	0.41	0.75	0.15	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.074	ppbv		ND	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.16	0.072	ppbv		ND	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	0.21	0.16	0.046	ppbv		0.79	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	0.015	ppbv		ND	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane [b]	0.34	0.080	0.12	ppbv		1.9	0.45	0.67	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	0.30	0.16	0.11	ppbv		1.3	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	0.094	0.16	0.062	ppbv	J	0.41	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	0.39	0.16	0.062	ppbv		1.7	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	116%	113%	65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21125 AMBIENT		
Lab Sample ID:	JE5543-1	**Date Sampled:**	02/11/25
Matrix:	AIR - Ambient Air Comp. Summa ID: A1686	**Date Received:**	02/11/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	21125 AMBIENT		
Lab Sample ID:	JE5543-1	**Date Sampled:**	02/11/25
Matrix:	AIR - Ambient Air Comp. Summa ID: A1686	**Date Received:**	02/11/25
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231951.D	1.45	02/14/25 15:10	WC	n/a	n/a	GQT3117
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	7.3	2.9	ppmv		ND	4.8	1.9	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		59-135%
460-00-4	4-Bromofluorobenzene	101%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 21125 VP-06 SOIL VAPOR
Lab Sample ID: JE5543-2
Matrix: AIR - Soil Vapor Comp. Summa ID: A1329
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 02/11/25
Date Received: 02/11/25
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W56876.D	1	02/14/25 02:18	TCH	n/a	n/a	V5W2179
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	0.86	0.20	0.15	ppbv		2.0	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.11	0.20	0.047	ppbv	J	0.35	0.64	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	0.61	0.20	0.045	ppbv		1.9	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	0.33	0.20	0.037	ppbv		1.6	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.19	0.20	0.090	ppbv	J	0.39	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	0.15	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.030	ppbv		ND	0.77	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	0.17	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.37	0.20	0.10	ppbv		1.8	0.99	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	1.0	0.20	0.028	ppbv		4.0	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.030	ppbv		ND	0.16	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.13	ppbv		ND	0.60	0.78	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.069	ppbv		ND	0.24	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.079	ppbv		ND	0.60	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 21125 VP-06 SOIL VAPOR
Lab Sample ID: JE5543-2
Matrix: AIR - Soil Vapor Comp. Summa ID: A1329
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 02/11/25
Date Received: 02/11/25
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	1.7	0.50	0.39	ppbv		3.2	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	0.12	0.20	0.061	ppbv	J	0.52	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	34.9	0.20	0.10	ppbv		126	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.091	ppbv		ND	0.82	0.37	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	ND	0.20	0.052	ppbv		ND	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.25	0.20	0.14	ppbv		0.61	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.39	0.20	0.13	ppbv		1.4	0.69	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene	ND	0.50	0.14	ppbv		ND	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.053	ppbv		ND	0.85	0.23	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.078	ppbv		ND	0.55	0.43	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.22	0.20	0.087	ppbv		1.1	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	0.19	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.49	0.040	0.014	ppbv		3.3	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	0.20	0.20	0.057	ppbv		0.75	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	0.072	0.040	0.019	ppbv		0.39	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane [a]	0.33	0.10	0.15	ppbv		1.9	0.56	0.84	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	0.42	0.20	0.14	ppbv		1.8	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.15	0.20	0.077	ppbv	J	0.65	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	0.57	0.20	0.077	ppbv		2.5	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	115%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21125 VP-06 SOIL VAPOR		
Lab Sample ID:	JE5543-2	**Date Sampled:**	02/11/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1329	**Date Received:**	02/11/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 21125 VP-06 SOIL VAPOR
Lab Sample ID: JE5543-2
Matrix: AIR - Soil Vapor Comp. Summa ID: A1329
Method: EPA TO-3
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 02/11/25
Date Received: 02/11/25
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231953.D	1.43	02/14/25 16:26	WC	n/a	n/a	GQT3117
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	7.2	2.8	ppmv		ND	4.7	1.8	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		59-135%
460-00-4	4-Bromofluorobenzene	102%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: 21125 VP-06 INDOOR
Lab Sample ID: JE5543-3
Matrix: AIR - Indoor Air Comp. Summa ID: A1647
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 02/11/25
Date Received: 02/11/25
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W56878.D	1	02/14/25 03:53	TCH	n/a	n/a	V5W2179
Run #2	5W56887.D	1	02/14/25 10:44	TCH	n/a	n/a	V5W2179

	Initial Volume
Run #1	500 ml
Run #2	20.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	106 [a]	4.0	2.9	ppbv		252 [a]	9.5	6.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	0.067	ppbv		ND	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.17	0.16	0.038	ppbv		0.54	0.51	0.12	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane	0.49	0.16	0.072	ppbv		1.0	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.081	0.032	0.032	ppbv		0.51	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	0.036	ppbv		ND	0.55	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.024	ppbv		ND	0.61	0.18	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.038	ppbv		ND	0.58	0.14	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.59	0.16	0.083	ppbv		2.9	0.79	0.41	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.61	0.16	0.022	ppbv		2.4	0.63	0.087	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.024	ppbv		ND	0.13	0.095	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.11	ppbv		ND	0.48	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.055	ppbv		ND	0.19	0.33	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.063	ppbv		ND	0.48	0.38	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 21125 VP-06 INDOOR
Lab Sample ID: JE5543-3
Matrix: AIR - Indoor Air Comp. Summa ID: A1647
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 02/11/25
Date Received: 02/11/25
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	35.2	0.40	0.32	ppbv		66.3	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	0.097	0.16	0.049	ppbv	J	0.42	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	10.1	0.16	0.083	ppbv		36.4	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.15	0.16	0.076	ppbv	J	0.74	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.16	0.073	ppbv		ND	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	0.97	0.16	0.042	ppbv		3.4	0.56	0.15	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.53	0.16	0.11	ppbv		1.3	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	0.29	0.16	0.11	ppbv		1.0	0.56	0.38	ug/m3
78-93-3	72.11	Methyl ethyl ketone	107 [a]	4.0	2.2	ppbv		316 [a]	12	6.5	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene	ND	0.40	0.11	ppbv		ND	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	ND	0.16	0.042	ppbv		ND	0.68	0.18	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.062	ppbv		ND	0.44	0.34	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.51	0.16	0.070	ppbv		2.5	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.15	0.16	0.064	ppbv	J	0.74	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.16	0.032	ppbv		ND	0.75	0.15	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.074	ppbv		ND	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	313 [a]	4.0	1.8	ppbv		923 [a]	12	5.3	ug/m3
108-88-3	92.14	Toluene	2.2	0.16	0.046	ppbv		8.3	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	0.015	ppbv		ND	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane [b]	0.35	0.080	0.12	ppbv		2.0	0.45	0.67	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	0.34	0.16	0.11	ppbv		1.5	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	0.13	0.16	0.062	ppbv	J	0.56	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	0.47	0.16	0.062	ppbv		2.1	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	115%	116%	65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21125 VP-06 INDOOR		
Lab Sample ID:	JE5543-3	**Date Sampled:**	02/11/25
Matrix:	AIR - Indoor Air Comp. Summa ID: A1647	**Date Received:**	02/11/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	21125 VP-06 INDOOR		
Lab Sample ID:	JE5543-3	**Date Sampled:**	02/11/25
Matrix:	AIR - Indoor Air Comp. Summa ID: A1647	**Date Received:**	02/11/25
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231954.D	1.65	02/14/25 17:02	WC	n/a	n/a	GQT3117
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	8.3	3.3	ppmv		ND	5.4	2.2	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		59-135%
460-00-4	4-Bromofluorobenzene	102%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	21125 VP-07 SOIL VAPOR		
Lab Sample ID:	JE5543-4	**Date Sampled:**	02/11/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1632	**Date Received:**	02/11/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W56879.D	1.52	02/14/25 04:43	TCH	n/a	n/a	V5W2179
Run #2	5W56888.D	1.52	02/14/25 11:25	TCH	n/a	n/a	V5W2179

	Initial Volume
Run #1	608 ml
Run #2	100 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	2.6	0.20	0.15	ppbv		6.2	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.27	0.20	0.047	ppbv		0.86	0.64	0.15	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	1.4	0.20	0.045	ppbv		4.4	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	0.28	0.20	0.037	ppbv		1.4	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	0.15	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.030	ppbv		ND	0.77	0.23	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	0.17	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.71	0.20	0.10	ppbv		3.5	0.99	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.60	0.20	0.028	ppbv		2.4	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.030	ppbv		ND	0.16	0.12	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.13	ppbv		ND	0.60	0.78	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.069	ppbv		ND	0.24	0.41	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.079	ppbv		ND	0.60	0.47	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 21125 VP-07 SOIL VAPOR
Lab Sample ID: JE5543-4
Matrix: AIR - Soil Vapor Comp. Summa ID: A1632
Method: TO-15
Project: Edge on Hudson, Sleepy Hollow, NY

Date Sampled: 02/11/25
Date Received: 02/11/25
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	11.1	0.50	0.39	ppbv		20.9	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	0.83	0.20	0.061	ppbv		3.6	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	146 [a]	1.2	0.63	ppbv		525 [a]	4.3	2.3	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	0.11	0.20	0.091	ppbv	J	0.45	0.82	0.37	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.60	0.20	0.052	ppbv		2.1	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.7	0.20	0.14	ppbv		4.2	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.52	0.20	0.13	ppbv		1.8	0.69	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.49	0.20	0.11	ppbv		1.4	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene	ND	0.50	0.14	ppbv		ND	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	0.10	0.20	0.053	ppbv	J	0.43	0.85	0.23	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.078	ppbv		ND	0.55	0.43	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.30	0.20	0.087	ppbv		1.5	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	0.19	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.0	0.040	0.014	ppbv		6.8	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.76	0.20	0.090	ppbv		2.2	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	2.1	0.20	0.057	ppbv		7.9	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	1.8	0.040	0.019	ppbv		9.7	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane [b]	1.4	0.10	0.15	ppbv		7.9	0.56	0.84	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	1.5	0.20	0.11	ppbv		5.3	0.70	0.39	ug/m3
	106.2	m,p-Xylene	3.3	0.20	0.14	ppbv		14	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	1.0	0.20	0.077	ppbv		4.3	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	4.3	0.20	0.077	ppbv		18	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	117%	115%	65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21125 VP-07 SOIL VAPOR		
Lab Sample ID:	JE5543-4	**Date Sampled:**	02/11/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1632	**Date Received:**	02/11/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	21125 VP-07 SOIL VAPOR		
Lab Sample ID:	JE5543-4	**Date Sampled:**	02/11/25
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1632	**Date Received:**	02/11/25
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231955.D	1.75	02/14/25 17:38	WC	n/a	n/a	GQT3117
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	8.8	3.4	ppmv		ND	5.8	2.2	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		59-135%
460-00-4	4-Bromofluorobenzene	97%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	21125 VP-07 INDOOR		
Lab Sample ID:	JE5543-5	**Date Sampled:**	02/11/25
Matrix:	AIR - Indoor Air Comp. Summa ID: A1763	**Date Received:**	02/11/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W56880.D	1	02/14/25 05:32	TCH	n/a	n/a	V5W2179
Run #2	5W56889.D	1	02/14/25 12:07	TCH	n/a	n/a	V5W2179

	Initial Volume
Run #1	500 ml
Run #2	100 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	3.1	0.16	0.12	ppbv		7.4	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	0.067	ppbv		ND	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.23	0.16	0.038	ppbv		0.73	0.51	0.12	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane	0.47	0.16	0.072	ppbv		0.97	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.084	0.032	0.032	ppbv		0.53	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	0.036	ppbv		ND	0.55	0.12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.024	ppbv		ND	0.61	0.18	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.038	ppbv		ND	0.58	0.14	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.59	0.16	0.083	ppbv		2.9	0.79	0.41	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.26	0.16	0.022	ppbv		1.0	0.63	0.087	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.024	ppbv		ND	0.13	0.095	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.11	ppbv		ND	0.48	0.66	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.055	ppbv		ND	0.19	0.33	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.063	ppbv		ND	0.48	0.38	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21125 VP-07 INDOOR		
Lab Sample ID:	JE5543-5	**Date Sampled:**	02/11/25
Matrix:	AIR - Indoor Air Comp. Summa ID: A1763	**Date Received:**	02/11/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	6.9	0.40	0.32	ppbv		13	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.16	0.049	ppbv		ND	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	56.6 [a]	0.80	0.42	ppbv		204 [a]	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	0.076	ppbv		ND	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.16	0.073	ppbv		ND	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	0.96	0.16	0.042	ppbv		3.4	0.56	0.15	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.56	0.16	0.11	ppbv		1.4	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	0.47	0.16	0.11	ppbv		1.6	0.56	0.38	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.26	0.16	0.088	ppbv		0.77	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene	ND	0.40	0.11	ppbv		ND	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	ND	0.16	0.042	ppbv		ND	0.68	0.18	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.062	ppbv		ND	0.44	0.34	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	0.070	ppbv		ND	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	0.064	ppbv		ND	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.16	0.032	ppbv		ND	0.75	0.15	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.074	ppbv		ND	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.18	0.16	0.072	ppbv		0.53	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	1.8	0.16	0.046	ppbv		6.8	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	0.015	ppbv		ND	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane [b]	0.39	0.080	0.12	ppbv		2.2	0.45	0.67	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	0.23	0.16	0.11	ppbv		1.0	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	0.10	0.16	0.062	ppbv	J	0.43	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	0.33	0.16	0.062	ppbv		1.4	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	116%	114%	65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	21125 VP-07 INDOOR		
Lab Sample ID:	JE5543-5	**Date Sampled:**	02/11/25
Matrix:	AIR - Indoor Air Comp. Summa ID: A1763	**Date Received:**	02/11/25
Method:	TO-15	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	21125 VP-07 INDOOR		
Lab Sample ID:	JE5543-5	**Date Sampled:**	02/11/25
Matrix:	AIR - Indoor Air Comp. Summa ID: A1763	**Date Received:**	02/11/25
Method:	EPA TO-3	**Percent Solids:**	n/a
Project:	Edge on Hudson, Sleepy Hollow, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QT231956.D	1.52	02/14/25 18:15	WC	n/a	n/a	GQT3117
Run #2							

	Initial Volume
Run #1	0.50 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
74-82-8	16	Methane	ND	7.6	3.0	ppmv		ND	5.0	2.0	mg/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		59-135%
460-00-4	4-Bromofluorobenzene	103%		59-135%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- 2024 MDL Study - Method: TO-15

AIR CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

AIR

PAGE 1 OF 1

FED-EX Tracking #: 7761-4911 0245 105
Bottle Order Control #:
SGS Quote #:
SGS Job #: JE5543

Client / Reporting Information

Company Name: PSands, LLC
Address: 3 Mountainview Rd
City: Warren State: NJ Zip:
Project Contact: Rich Andes E-mail: Jbova@pesandscan Randes@pesandscan
Phone #: 9739085973 Fax #:
Sampler(s) Name(s): Rich Andes

Project Information

Project Name: East (Deciccos)
Street: 50 River street
City: Sleepy Hollow State: NY
Project #: 08397.0001
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: 28.5 Maximum: 32.4
Stop: 32.4 Minimum: 18.0
Atmoshpheric Pressure (Inches of Hg)
Start: 30.34 Maximum: 30.36
Stop: 30.29 Minimum: 30.25
Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	VT015 NYLL-TBC	VT03 C14+MS
1	21125 Ambient	A	A1686	6	FC653	21025	1200	30		RA	21125	1200	6		RA	X	X
2	21125VP-06 SoilVapor	SV	A1329	6	FC1147	"	1200	21		RA	"	1200	1		RA	X	X
3	21125VP-06 Indoor	I	A1647	6	FC724	"	1200	30		RA	"	1200	5		RA	X	X
4	21125VP-07 SoilVapor	SV	A1632	6	FC1265	"	1200	30		RA	"	1200	8		RA	X	X
5	21125VP-07 Indoor	I	A1763	6	FC1098	↓	1200	30		RA	↓	1200	6		RA	X	X
													Initial Assessment				
													Label Verification				

Turnaround Time (Business days)

- [X] Standard - 15 Days
- [ ] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Other

Approved By:
Date:

Data Deliverable Information

All NJDEP TO-15 is Mandatory Full T1

- Comm A
- Comm B
- Reduced T2
- Full T1
- Other:
- DKQP reporting

Comments / Remarks

Full NYTO15
&
Methane

Sample Custody must be documented below each time samples change possession, including courier delivery.

Sample inventory is verified upon receipt in the Laboratory

	Relinquished by Laboratory:	Date Time:	Received By:
1		2/10/25 1600	1
2	Relinquished By: 1		Received By: 2
3	Relinquished By: 2	Date Time: 2/11/25 1800	Received By: 3 E. Carter
4	Relinquished By: 3	Date Time: 2/11/25 1915	Received By: 4
5	Relinquished by: 4	Date Time:	Received By: 5

Custody Seal #

Form:SM088-03D (revised 2-12-18)

SGS Coolers pic

http://www.sgs.com/en/terms-and-conditi...

5.1.5

SGS Sample Receipt Summary

Job Number: JE5543 **Client:** PAULUS SOKOLOWSKI AND SARTOR IN **Project:** EDGE ON HUDSON, SLEEPY HOLLOW,

Date / Time Received: 2/11/2025 7:15:00 PM **Delivery Method:** sgs **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Summa Canister and Flow Controller Log

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Received: 02/11/25

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A1686	6	29.5	02/07/25	BK	CP12990	7W12742.D	JE5543-1	02/13/25	JN	4.5			1
A1329	6	29.5	02/07/25	BK	CP12990	7W12742.D	JE5543-2	02/13/25	JN	3			1
A1647	6	29.5	02/07/25	BK	CP12990	7W12742.D	JE5543-3	02/13/25	JN	7.5			1
A1632	6	29.5	02/07/25	BK	CP12990	7W12742.D	JE5543-4	02/13/25	JN	8.5		1.3	1.52
A1763	6	29.5	02/07/25	BK	CP12990	7W12742.D	JE5543-5	02/13/25	JN	5.5			1

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC653	02/07/25	BK	3.16	24	02/13/25	JN	2.96	6.5	Flow Controller
FC724	02/07/25	BK	3.12	24	02/13/25	JN	2.93	6.3	Flow Controller
FC1098	02/07/25	BK	3.15	24	02/13/25	JN	2.99	5.2	Flow Controller
FC1147	02/07/25	BK	3.17	24	02/13/25	JN	6.5	68.9*	Flow Controller
FC1265	02/07/25	BK	3.14	24	02/13/25	JN	2.69	15.4	Flow Controller

* Flow controller RPD > 20%

SGS Bottle Order(s):
PREM-MM-02425-105

Prep Date	Room Temp(F)	Bar Pres "Hg
02/07/25	70	29.92

Internal Sample Tracking Chronicle

Paulus, Sokolowski and Sartor Inc

Job No: JE5543

Edge on Hudson, Sleepy Hollow, NY
Project No: 083970001

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE5543-1	Collected: 11-FEB-25 12:00 By: RA		Received: 11-FEB-25 By: EC			
21125 AMBIENT						
JE5543-1	TO-15	14-FEB-25 01:30	TCH			VTO15NYLL + GC
JE5543-1	TO-15	14-FEB-25 10:03	TCH			VTO15NYLL + GC
JE5543-1	EPA TO-3	14-FEB-25 15:10	WC			VTO3CH4
JE5543-2	Collected: 11-FEB-25 12:00 By: RA		Received: 11-FEB-25 By: EC			
21125 VP-06 SOIL VAPOR						
JE5543-2	TO-15	14-FEB-25 02:18	TCH			VTO15NYSVLL + GC
JE5543-2	EPA TO-3	14-FEB-25 16:26	WC			VTO3CH4
JE5543-3	Collected: 11-FEB-25 12:00 By: RA		Received: 11-FEB-25 By: EC			
21125 VP-06 INDOOR						
JE5543-3	TO-15	14-FEB-25 03:53	TCH			VTO15NYLL + GC
JE5543-3	TO-15	14-FEB-25 10:44	TCH			VTO15NYLL + GC
JE5543-3	EPA TO-3	14-FEB-25 17:02	WC			VTO3CH4
JE5543-4	Collected: 11-FEB-25 12:00 By: RA		Received: 11-FEB-25 By: EC			
21125 VP-07 SOIL VAPOR						
JE5543-4	TO-15	14-FEB-25 04:43	TCH			VTO15NYSVLL + GC
JE5543-4	TO-15	14-FEB-25 11:25	TCH			VTO15NYSVLL + GC
JE5543-4	EPA TO-3	14-FEB-25 17:38	WC			VTO3CH4
JE5543-5	Collected: 11-FEB-25 12:00 By: RA		Received: 11-FEB-25 By: EC			
21125 VP-07 INDOOR						
JE5543-5	TO-15	14-FEB-25 05:32	TCH			VTO15NYLL + GC
JE5543-5	TO-15	14-FEB-25 12:07	TCH			VTO15NYLL + GC
JE5543-5	EPA TO-3	14-FEB-25 18:15	WC			VTO3CH4

METHODREF	LOGINNUM	DATE RECALC	INSTRUME	PARM_STORED	PARM_SYN	MDLVALUE CURRENT	RDL	UNITS
TO-15	JD57260	5/22/2024	GCMS8W	120-82-1	1,2,4-Trichlorobenzene	0.121	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	541-73-1	m-Dichlorobenzene	0.132	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	91-20-3	Naphthalene	0.127	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	127-18-4	Tetrachloroethylene	0.014	0.04	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	79-01-6	Trichloroethylene	0.019	0.04	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	630-20-6	1,1,1,2-Tetrachloroethane	0.042	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	71-55-6	1,1,1-Trichloroethane	0.078	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	79-34-5	1,1,2,2-Tetrachloroethane	0.048	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	79-00-5	1,1,2-Trichloroethane	0.038	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-34-3	1,1-Dichloroethane	0.057	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-35-4	1,1-Dichloroethylene	0.059	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	96-18-4	1,2,3-Trichloropropane	0.050	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	526-73-8	1,2,3-Trimethylbenzene	0.099	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-63-6	1,2,4-Trimethylbenzene	0.087	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-93-4	1,2-Dibromoethane (EDB)	0.030	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-06-2	1,2-Dichloroethane	0.070	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	78-87-5	1,2-Dichloropropane	0.062	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-67-8	1,3,5-Trimethylbenzene	0.080	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-99-0	1,3-Butadiene	0.084	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	142-28-9	1,3-Dichloropropane	0.057	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	123-91-1	1,4-Dioxane	0.048	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	540-84-1	2,2,4-Trimethylpentane	0.040	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	565-59-3	2,3-Dimethylpentane	0.036	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-08-7	2,4-Dimethylpentane	0.048	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-49-8	2-Chlorotoluene	0.072	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	591-78-6	2-Hexanone	0.145	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-05-1	3-Chloropropene	0.083	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	622-96-8	4-Ethyltoluene	0.095	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	67-64-1	Acetone (2-Propanone)	0.145	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-05-8	Acetonitrile	0.171	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-02-8	Acrolein	0.088	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	107-13-1	Acrylonitrile	0.091	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	71-43-2	Benzene	0.047	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	100-44-7	Benzyl Chloride	0.125	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-86-1	Bromobenzene	0.055	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-27-4	Bromodichloromethane	0.030	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	593-60-2	Bromoethene	0.061	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-25-2	Bromoform	0.071	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-83-9	Bromomethane	0.069	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-15-0	Carbon disulfide	0.045	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	56-23-5	Carbon tetrachloride	0.040	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-90-7	Chlorobenzene	0.074	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-45-6	Chlorodifluoromethane	0.106	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-00-3	Chloroethane	0.068	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	67-66-3	Chloroform	0.037	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-87-3	Chloromethane	0.090	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	79-38-9	Chlorotrifluoroethene	0.059	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	156-59-2	cis-1,2-Dichloroethylene	0.030	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	10061-01-5	cis-1,3-Dichloropropene	0.062	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	110-82-7	Cyclohexane	0.045	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	124-48-1	Dibromochloromethane	0.052	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-95-3	Dibromomethane	0.053	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-71-8	Dichlorodifluoromethane	0.104	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-43-4	Dichlorofluoromethane	0.066	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-20-3	Di-Isopropyl ether	0.082	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	64-17-5	Ethanol	0.394	0.5	ppbv

TO-15	JD57260	5/22/2024	GCMS7W	141-78-6	Ethyl Acetate	0.104	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	140-88-5	Ethyl Acrylate	0.105	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	100-41-4	Ethylbenzene	0.061	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	76-13-1	Freon 113	0.031	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	76-14-2	Freon 114	0.050	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	306-83-2	Freon 123	0.035	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	354-23-4	Freon 123A	0.082	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-68-3	Freon 142B	0.070	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-37-6	Freon 152A	0.060	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	142-82-5	Heptane	0.091	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	87-68-3	Hexachlorobutadiene	0.062	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS8W	67-72-1	Hexachloroethane	0.082	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	110-54-3	Hexane	0.052	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	74-88-4	Iodomethane	0.037	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	67-63-0	Isopropyl Alcohol	0.141	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	98-82-8	Isopropylbenzene	0.064	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	M,P-XYLENE	m,p-Xylene	0.139	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	78-93-3	Methyl ethyl ketone	0.110	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-10-1	Methyl Isobutyl Ketone	0.073	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	1634-04-4	Methyl Tert Butyl Ether	0.080	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-09-2	Methylene chloride	0.133	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	80-62-6	Methylmethacrylate	0.070	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-97-8	n-Butane	0.106	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	104-51-8	n-Butylbenzene	0.106	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	111-84-2	Nonane	0.100	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	103-65-1	n-Propylbenzene	0.091	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	111-65-9	Octane	0.120	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-50-1	o-Dichlorobenzene	0.069	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	95-47-6	o-Xylene	0.077	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	106-46-7	p-Dichlorobenzene	0.079	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	109-66-0	Pentane	0.138	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	99-87-6	p-Isopropyltoluene	0.080	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	115-07-1	Propylene	0.142	0.5	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	135-98-8	sec-Butylbenzene	0.081	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	100-42-5	Styrene	0.053	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	98-06-6	tert-Butylbenzene	0.083	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-65-0	Tertiary Butyl Alcohol	0.093	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	109-99-9	Tetrahydrofuran	0.090	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-88-3	Toluene	0.057	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	156-60-5	trans-1,2-Dichloroethylene	0.028	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	10061-02-6	trans-1,3-Dichloropropene	0.101	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-69-4	Trichlorofluoromethane	0.154	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	C AS EQUIV PENT	TVHC As Equiv Pentane	0.136	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	108-05-4	Vinyl Acetate	0.112	0.2	ppbv
TO-15	JD57260	5/22/2024	GCMS7W	75-01-4	Vinyl chloride	0.069	0.2	ppbv

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2179-MB	5W56869.D	1	02/13/25	TCH	n/a	n/a	V5W2179

The QC reported here applies to the following samples: **Method:** TO-15

JE5543-1, JE5543-2, JE5543-3, JE5543-4, JE5543-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2179-MB	5W56869.D	1	02/13/25	TCH	n/a	n/a	V5W2179

The QC reported here applies to the following samples: **Method:** TO-15

JE5543-1, JE5543-2, JE5543-3, JE5543-4, JE5543-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2179-MB	5W56869.D	1	02/13/25	TCH	n/a	n/a	V5W2179

The QC reported here applies to the following samples: **Method:** TO-15

JE5543-1, JE5543-2, JE5543-3, JE5543-4, JE5543-5

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	110%	65-128%

Method Blank Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2171-MB	5W56677.D	1	02/06/25	TCH	n/a	n/a	V5W2171

The QC reported here applies to the following samples: **Method:** TO-15

V5W2171-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2171-MB	5W56677.D	1	02/06/25	TCH	n/a	n/a	V5W2171

The QC reported here applies to the following samples: **Method:** TO-15

V5W2171-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2171-MB	5W56677.D	1	02/06/25	TCH	n/a	n/a	V5W2171

The QC reported here applies to the following samples: **Method:** TO-15

V5W2171-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	114%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2179-BS	5W56865.D	1	02/13/25	TCH	n/a	n/a	V5W2179
V5W2179-BSD	5W56866.D	1	02/13/25	TCH	n/a	n/a	V5W2179

The QC reported here applies to the following samples: **Method:** TO-15

JE5543-1, JE5543-2, JE5543-3, JE5543-4, JE5543-5

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	7.6	74	7.5	73	1	70-130/30
106-99-0	1,3-Butadiene	10.8	8.6	80	8.5	79	1	70-130/30
71-43-2	Benzene	11	10.6	96	10.4	95	2	70-130/30
75-27-4	Bromodichloromethane	10.5	10.9	104	10.8	103	1	70-130/30
75-25-2	Bromoform	10.7	10.5	98	10.7	100	2	70-130/30
74-83-9	Bromomethane	10.5	9.6	91	9.3	89	3	70-130/30
593-60-2	Bromoethene	10.6	9.8	92	9.5	90	3	70-130/30
100-44-7	Benzyl Chloride	10.4	12.7	122	13.0	125	2	70-130/30
75-15-0	Carbon disulfide	10.6	11.0	104	11.0	104	0	70-130/30
108-90-7	Chlorobenzene	10.8	10.8	100	10.7	99	1	70-130/30
75-00-3	Chloroethane	10.4	8.2	79	7.8	75	5	70-130/30
67-66-3	Chloroform	10.8	11.2	104	11.4	106	2	70-130/30
74-87-3	Chloromethane	10.4	7.9	76	7.8	75	1	70-130/30
107-05-1	3-Chloropropene	10.5	11.5	110	11.4	109	1	70-130/30
95-49-8	2-Chlorotoluene	10.3	12.3	119	12.2	118	1	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.5	116	12.7	118	2	70-130/30
110-82-7	Cyclohexane	10.9	10.9	100	10.8	99	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	10.6	99	10.6	99	0	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.0	103	11.1	104	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.4	113	12.6	115	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.7	107	11.7	107	0	70-130/30
78-87-5	1,2-Dichloropropane	10.5	9.7	92	9.6	91	1	70-130/30
123-91-1	1,4-Dioxane	10.5	11.2	107	10.8	103	4	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	12.6	119	12.1	114	4	70-130/30
124-48-1	Dibromochloromethane	10.5	12.4	118	12.4	118	0	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	10.8	103	11.0	105	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	10.6	99	10.7	100	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.4	107	11.4	107	0	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.5	111	11.7	113	2	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.9	111	12.0	112	1	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.1	111	12.1	111	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.9	107	10.7	105	2	70-130/30
64-17-5	Ethanol	10.2	9.5	93	9.4	92	1	70-130/30
100-41-4	Ethylbenzene	11	12.1	110	12.2	111	1	70-130/30
141-78-6	Ethyl Acetate	10.8	10.7	99	11.0	102	3	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.9	118	13.1	120	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2179-BS	5W56865.D	1	02/13/25	TCH	n/a	n/a	V5W2179
V5W2179-BSD	5W56866.D	1	02/13/25	TCH	n/a	n/a	V5W2179

The QC reported here applies to the following samples: **Method:** TO-15

JE5543-1, JE5543-2, JE5543-3, JE5543-4, JE5543-5

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	9.9	93	10.2	96	3	70-130/30
76-14-2	Freon 114	11	10.8	98	10.3	94	5	70-130/30
142-82-5	Heptane	11	11.2	102	10.8	98	4	70-130/30
87-68-3	Hexachlorobutadiene	10.8	8.2	76	8.8	81	7	70-130/30
110-54-3	Hexane	10.8	10.7	99	10.4	96	3	70-130/30
591-78-6	2-Hexanone	10.6	11.6	109	11.6	109	0	70-130/30
67-63-0	Isopropyl Alcohol	10.6	10.6	100	9.8	92	8	70-130/30
75-09-2	Methylene chloride	10.5	9.7	92	10	95	3	70-130/30
78-93-3	Methyl ethyl ketone	10.8	12.0	111	12.1	112	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	11.1	103	10.8	100	3	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.4	106	11.6	107	2	70-130/30
80-62-6	Methylmethacrylate	10.9	11.7	107	11.7	107	0	70-130/30
115-07-1	Propylene	10.9	11.2	103	10.8	99	4	70-130/30
100-42-5	Styrene	11	13.2	120	13.4	122	2	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.7	108	12.0	111	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.8	108	11.9	109	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	10.8	101	10.6	99	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	9.5	87	10.3	94	8	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	13.4	122	13.6	124	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	13.2	121	13.5	124	2	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	10.8	100	10.5	97	3	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	10.5	106	10.5	106	0	70-130/30
127-18-4	Tetrachloroethylene	10.9	9.7	89	9.5	87	2	70-130/30
109-99-9	Tetrahydrofuran	10.5	11.8	112	11.7	111	1	70-130/30
108-88-3	Toluene	10.6	11.2	106	11.0	104	2	70-130/30
79-01-6	Trichloroethylene	10.5	10.5	100	10.3	98	2	70-130/30
75-69-4	Trichlorofluoromethane	10.6	15.3	144* [a]	14.8	140* [a]	3	70-130/30
75-01-4	Vinyl chloride	10.3	8.6	83	8.3	81	4	70-130/30
108-05-4	Vinyl Acetate	10.4	11.8	113	11.9	114	1	70-130/30
	m,p-Xylene	21.4	24.8	116	25.4	119	2	70-130/30
95-47-6	o-Xylene	10.9	13.1	120	13.2	121	1	70-130/30
1330-20-7	Xylenes (total)	32.3	37.9	117	38.6	120	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2179-BS	5W56865.D	1	02/13/25	TCH	n/a	n/a	V5W2179
V5W2179-BSD	5W56866.D	1	02/13/25	TCH	n/a	n/a	V5W2179

The QC reported here applies to the following samples: **Method:** TO-15

JE5543-1, JE5543-2, JE5543-3, JE5543-4, JE5543-5

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	107%	110%	65-128%

(a) Outside in house control limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2171-BS	5W56673.D	1	02/06/25	TCH	n/a	n/a	V5W2171
V5W2171-BSD	5W56674.D	1	02/06/25	TCH	n/a	n/a	V5W2171

The QC reported here applies to the following samples: **Method:** TO-15

V5W2171-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.5	83	7.9	77	7	70-130/30
106-99-0	1,3-Butadiene	10.8	9.0	83	8.4	78	7	70-130/30
71-43-2	Benzene	11	10.8	98	10.6	96	2	70-130/30
75-27-4	Bromodichloromethane	10.5	11.1	106	10.9	104	2	70-130/30
75-25-2	Bromoform	10.7	10.8	101	10.8	101	0	70-130/30
74-83-9	Bromomethane	10.5	10.3	98	9.5	90	8	70-130/30
593-60-2	Bromoethene	10.6	10.2	96	9.6	91	6	70-130/30
100-44-7	Benzyl Chloride	10.4	13.0	125	12.9	124	1	70-130/30
75-15-0	Carbon disulfide	10.6	11.5	108	11.2	106	3	70-130/30
108-90-7	Chlorobenzene	10.8	11.1	103	10.9	101	2	70-130/30
75-00-3	Chloroethane	10.4	8.6	83	8.0	77	7	70-130/30
67-66-3	Chloroform	10.8	11.7	108	11.4	106	3	70-130/30
74-87-3	Chloromethane	10.4	8.8	85	8.4	81	5	70-130/30
107-05-1	3-Chloropropene	10.5	12.1	115	11.5	110	5	70-130/30
95-49-8	2-Chlorotoluene	10.3	12.6	122	12.4	120	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.4	115	12.5	116	1	70-130/30
110-82-7	Cyclohexane	10.9	10.9	100	10.8	99	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	10.9	102	10.6	99	3	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.8	110	11.3	106	4	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	13.1	119	13.0	118	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.7	107	11.5	106	2	70-130/30
78-87-5	1,2-Dichloropropane	10.5	9.8	93	9.5	90	3	70-130/30
123-91-1	1,4-Dioxane	10.5	11.3	108	10.9	104	4	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	12.9	122	12.2	115	6	70-130/30
124-48-1	Dibromochloromethane	10.5	12.6	120	12.5	119	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.3	108	11.0	105	3	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.1	104	10.9	102	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.5	107	11.2	105	3	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.7	113	11.5	111	2	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.8	110	12.0	112	2	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.2	112	12.1	111	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.7	105	10.6	104	1	70-130/30
64-17-5	Ethanol	10.2	8.1	79	7.9	77	2	70-130/30
100-41-4	Ethylbenzene	11	12.7	115	12.6	115	1	70-130/30
141-78-6	Ethyl Acetate	10.8	11.2	104	11.1	103	1	70-130/30
622-96-8	4-Ethyltoluene	10.9	13.3	122	13.2	121	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2171-BS	5W56673.D	1	02/06/25	TCH	n/a	n/a	V5W2171
V5W2171-BSD	5W56674.D	1	02/06/25	TCH	n/a	n/a	V5W2171

The QC reported here applies to the following samples: **Method:** TO-15

V5W2171-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	10.3	97	10.3	97	0	70-130/30
76-14-2	Freon 114	11	11.3	103	10.5	95	7	70-130/30
142-82-5	Heptane	11	10.8	98	10.6	96	2	70-130/30
87-68-3	Hexachlorobutadiene	10.8	8.3	77	8.3	77	0	70-130/30
110-54-3	Hexane	10.8	10.6	98	10.3	95	3	70-130/30
591-78-6	2-Hexanone	10.6	12.0	113	11.7	110	3	70-130/30
67-63-0	Isopropyl Alcohol	10.6	12.4	117	11.5	108	8	70-130/30
75-09-2	Methylene chloride	10.5	10.6	101	10.1	96	5	70-130/30
78-93-3	Methyl ethyl ketone	10.8	12.2	113	12.0	111	2	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.8	100	10.5	97	3	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.6	107	11.5	106	1	70-130/30
80-62-6	Methylmethacrylate	10.9	11.9	109	11.8	108	1	70-130/30
115-07-1	Propylene	10.9	11.4	105	10.6	97	7	70-130/30
100-42-5	Styrene	11	13.7	125	13.6	124	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	12.1	112	12.0	111	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	12.3	113	12.1	111	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	10.9	102	10.8	101	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	10.2	94	10.0	92	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	13.6	124	13.3	121	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	13.6	125	13.4	123	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	10.5	97	10.3	95	2	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	10.9	110	10.4	105	5	70-130/30
127-18-4	Tetrachloroethylene	10.9	9.8	90	9.8	90	0	70-130/30
109-99-9	Tetrahydrofuran	10.5	11.9	113	11.7	111	2	70-130/30
108-88-3	Toluene	10.6	11.1	105	10.8	102	3	70-130/30
79-01-6	Trichloroethylene	10.5	10.8	103	10.6	101	2	70-130/30
75-69-4	Trichlorofluoromethane	10.6	14.8	140* [a]	14.0	132* [a]	6	70-130/30
75-01-4	Vinyl chloride	10.3	9.1	88	8.4	82	8	70-130/30
108-05-4	Vinyl Acetate	10.4	13.1	126	12.4	119	5	70-130/30
	m,p-Xylene	21.4	25.7	120	25.2	118	2	70-130/30
95-47-6	o-Xylene	10.9	13.2	121	13.0	119	2	70-130/30
1330-20-7	Xylenes (total)	32.3	38.9	120	38.2	118	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2171-BS	5W56673.D	1	02/06/25	TCH	n/a	n/a	V5W2171
V5W2171-BSD	5W56674.D	1	02/06/25	TCH	n/a	n/a	V5W2171

The QC reported here applies to the following samples: **Method:** TO-15

V5W2171-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	109%	109%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE5543-2DUP	5W56877.D	1	02/14/25	TCH	n/a	n/a	V5W2179
JE5543-2	5W56876.D	1	02/14/25	TCH	n/a	n/a	V5W2179

The QC reported here applies to the following samples: **Method:** TO-15

JE5543-1, JE5543-2, JE5543-3, JE5543-4, JE5543-5

CAS No.	Compound	JE5543-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	0.86		0.89		3	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	0.11	J	0.12	J	9	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	0.61		0.66		8	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	0.33		0.38		14	25
74-87-3	Chloromethane	0.19	J	0.13	J	38* [a]	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.37		0.49		28* [a]	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	1.0		1.1		10	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	1.7		2.1		21	25
100-41-4	Ethylbenzene	0.12	J	0.13	J	8	25
141-78-6	Ethyl Acetate	34.9		38.7		10	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE5543-2DUP	5W56877.D	1	02/14/25	TCH	n/a	n/a	V5W2179
JE5543-2	5W56876.D	1	02/14/25	TCH	n/a	n/a	V5W2179

The QC reported here applies to the following samples: **Method:** TO-15

JE5543-1, JE5543-2, JE5543-3, JE5543-4, JE5543-5

CAS No.	Compound	JE5543-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	ND		ND		nc	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	ND		ND		nc	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	0.25		0.25		0	25
75-09-2	Methylene chloride	0.39		0.48		21	25
78-93-3	Methyl ethyl ketone	ND		ND		nc	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	0.22		0.24		9	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	0.49		0.54		10	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	0.20		0.20		0	25
79-01-6	Trichloroethylene	0.072		0.079		9	25
75-69-4	Trichlorofluoromethane	0.33		0.39		17	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	0.42		0.47		11	25
95-47-6	o-Xylene	0.15	J	0.14	J	7	25
1330-20-7	Xylenes (total)	0.57		0.61		7	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE5543-2DUP	5W56877.D	1	02/14/25	TCH	n/a	n/a	V5W2179
JE5543-2	5W56876.D	1	02/14/25	TCH	n/a	n/a	V5W2179

The QC reported here applies to the following samples: **Method:** TO-15

JE5543-1, JE5543-2, JE5543-3, JE5543-4, JE5543-5

CAS No.	Surrogate Recoveries	DUP	JE5543-2	Limits
460-00-4	4-Bromofluorobenzene	115%	115%	65-128%

(a) Outside control limits.

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2171-SCC	5W56694.D	1	02/07/25	TCH	n/a	n/a	V5W2171

The QC reported here (Summa A2074) applies to the following samples: **Method:** TO-15

Batch CP12990 cleaned 01/29/25: JE5543-1(A1686), JE5543-2(A1329), JE5543-3(A1647), JE5543-4(A1632), JE5543-5(A1763)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.047	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.048	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.13	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2171-SCC	5W56694.D	1	02/07/25	TCH	n/a	n/a	V5W2171

The QC reported here (Summa A2074) applies to the following samples: **Method:** TO-15

Batch CP12990 cleaned 01/29/25: JE5543-1(A1686), JE5543-2(A1329), JE5543-3(A1647), JE5543-4(A1632), JE5543-5(A1763)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.091	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.13	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.078	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2171-SCC	5W56694.D	1	02/07/25	TCH	n/a	n/a	V5W2171

The QC reported here (Summa A2074) applies to the following samples: **Method:** TO-15

Batch CP12990 cleaned 01/29/25: JE5543-1(A1686), JE5543-2(A1329), JE5543-3(A1647), JE5543-4(A1632), JE5543-5(A1763)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	112%	65-128%

Instrument Performance Check (BFB)

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2144-BFB
Lab File ID: 5W55993.D
Instrument ID: GCMS5W
Injection Date: 01/08/25
Injection Time: 23:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	98517	19.3		Pass
75	30.0 - 66.0% of mass 95	249792	48.9		Pass
95	Base peak, 100% relative abundance	510763	100.0		Pass
96	5.0 - 9.0% of mass 95	33464	6.55		Pass
173	Less than 2.0% of mass 174	5620	1.10	(1.14) [a]	Pass
174	50.0 - 120.0% of mass 95	494933	96.9		Pass
175	4.0 - 9.01% of mass 174	36869	7.22	(7.45) [a]	Pass
176	93.0 - 101.0% of mass 174	482155	94.4	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	31496	6.17	(6.53) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2144-IC2144	5W55994.D	01/09/25	00:36	00:40	Initial cal 0.04
V5W2144-IC2144	5W55995.D	01/09/25	01:16	01:20	Initial cal 0.1
V5W2144-IC2144	5W55996.D	01/09/25	01:59	02:03	Initial cal 0.2
V5W2144-IC2144	5W56001.D	01/09/25	05:39	05:43	Initial cal 5
V5W2144-ICC2144	5W56002.D	01/09/25	06:20	06:24	Initial cal 10
V5W2144-IC2144	5W56003.D	01/09/25	07:03	07:07	Initial cal 20
V5W2144-IC2144	5W56004.D	01/09/25	07:49	07:53	Initial cal 40
V5W2144-IC2144	5W56005.D	01/09/25	08:36	08:40	Initial cal 50
V5W2144-IC2144	5W56013.D	01/09/25	15:02	15:06	Initial cal 0.5
V5W2144-ICV2144	5W56014.D	01/09/25	15:42	15:46	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2171-BFB
Lab File ID: 5W56671.D
Instrument ID: GCMS5W
Injection Date: 02/06/25
Injection Time: 12:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	95741	19.6		Pass
75	30.0 - 66.0% of mass 95	241771	49.5		Pass
95	Base peak, 100% relative abundance	488043	100.0		Pass
96	5.0 - 9.0% of mass 95	30888	6.33		Pass
173	Less than 2.0% of mass 174	6882	1.41	(1.82) [a]	Pass
174	50.0 - 120.0% of mass 95	378987	77.7		Pass
175	4.0 - 9.01% of mass 174	28763	5.89	(7.59) [a]	Pass
176	93.0 - 101.0% of mass 174	363797	74.5	(96.0) [a]	Pass
177	5.0 - 9.0% of mass 176	23539	4.82	(6.47) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2171-CC2144	5W56672.D	02/06/25	12:46	00:41	Continuing cal 10
V5W2171-BS	5W56673.D	02/06/25	14:21	02:16	Blank Spike
V5W2171-BSD	5W56674.D	02/06/25	15:01	02:56	Blank Spike Duplicate
V5W2171-MB	5W56677.D	02/06/25	17:54	05:49	Method Blank
V5W2171-SCC	5W56678.D	02/06/25	18:44	06:39	Summa Cleaning Certification
V5W2171-SCC	5W56679.D	02/06/25	19:31	07:26	Summa Cleaning Certification
V5W2171-SCC	5W56680.D	02/06/25	20:17	08:12	Summa Cleaning Certification
V5W2171-SCC	5W56681.D	02/06/25	21:03	08:58	Summa Cleaning Certification
V5W2171-SCC	5W56682.D	02/06/25	21:49	09:44	Summa Cleaning Certification
V5W2171-SCC	5W56683.D	02/06/25	22:35	10:30	Summa Cleaning Certification
V5W2171-SCC	5W56684.D	02/06/25	23:21	11:16	Summa Cleaning Certification
V5W2171-SCC	5W56685.D	02/07/25	00:07	12:02	Summa Cleaning Certification
V5W2171-SCC	5W56686.D	02/07/25	00:53	12:48	Summa Cleaning Certification
V5W2171-SCC	5W56687.D	02/07/25	01:39	13:34	Summa Cleaning Certification
V5W2171-SCC	5W56688.D	02/07/25	02:25	14:20	Summa Cleaning Certification
V5W2171-SCC	5W56690.D	02/07/25	03:58	15:53	Summa Cleaning Certification
V5W2171-SCC	5W56691.D	02/07/25	04:44	16:39	Summa Cleaning Certification
V5W2171-SCC	5W56692.D	02/07/25	05:30	17:25	Summa Cleaning Certification
V5W2171-SCC	5W56693.D	02/07/25	06:16	18:11	Summa Cleaning Certification
V5W2171-SCC	5W56694.D	02/07/25	07:03	18:58	Summa Cleaning Certification
V5W2171-SCC	5W56695.D	02/07/25	07:49	19:44	Summa Cleaning Certification
V5W2171-SCC	5W56696.D	02/07/25	08:36	20:31	Summa Cleaning Certification
V5W2171-SCC	5W56697.D	02/07/25	09:22	21:17	Summa Cleaning Certification
V5W2171-SCC	5W56698.D	02/07/25	10:08	22:03	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2179-BFB
Lab File ID: 5W56863.D
Instrument ID: GCMS5W
Injection Date: 02/13/25
Injection Time: 16:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	119555	19.2		Pass
75	30.0 - 66.0% of mass 95	320384	51.5		Pass
95	Base peak, 100% relative abundance	622272	100.0		Pass
96	5.0 - 9.0% of mass 95	39859	6.41		Pass
173	Less than 2.0% of mass 174	9284	1.49	(1.87) [a]	Pass
174	50.0 - 120.0% of mass 95	496363	79.8		Pass
175	4.0 - 9.01% of mass 174	38717	6.22	(7.80) [a]	Pass
176	93.0 - 101.0% of mass 174	474048	76.2	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	31592	5.08	(6.66) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2179-CC2144	5W56864.D	02/13/25	17:09	00:41	Continuing cal 10
V5W2179-BS	5W56865.D	02/13/25	17:51	01:23	Blank Spike
V5W2179-BSD	5W56866.D	02/13/25	18:32	02:04	Blank Spike Duplicate
V5W2179-MB	5W56869.D	02/13/25	20:51	04:23	Method Blank
V5W2179-SCC	5W56871.D	02/13/25	22:23	05:55	Summa Cleaning Certification
V5W2179-SCC	5W56872.D	02/13/25	23:09	06:41	Summa Cleaning Certification
V5W2179-SCC	5W56873.D	02/13/25	23:55	07:27	Summa Cleaning Certification
V5W2179-SCC	5W56874.D	02/14/25	00:42	08:14	Summa Cleaning Certification
JE5543-1	5W56875.D	02/14/25	01:30	09:02	21125 AMBIENT
JE5543-2	5W56876.D	02/14/25	02:18	09:50	21125 VP-06 SOIL VAPOR
JE5543-2DUP	5W56877.D	02/14/25	03:05	10:37	Duplicate
JE5543-3	5W56878.D	02/14/25	03:53	11:25	21125 VP-06 INDOOR
JE5543-4	5W56879.D	02/14/25	04:43	12:15	21125 VP-07 SOIL VAPOR
JE5543-5	5W56880.D	02/14/25	05:32	13:04	21125 VP-07 INDOOR
ZZZZZZ	5W56881.D	02/14/25	06:13	13:45	(unrelated sample)
ZZZZZZ	5W56882.D	02/14/25	06:55	14:27	(unrelated sample)
ZZZZZZ	5W56883.D	02/14/25	07:38	15:10	(unrelated sample)
ZZZZZZ	5W56884.D	02/14/25	08:19	15:51	(unrelated sample)
ZZZZZZ	5W56885.D	02/14/25	09:01	16:33	(unrelated sample)
JE5543-1	5W56886.D	02/14/25	10:03	17:35	21125 AMBIENT
JE5543-3	5W56887.D	02/14/25	10:44	18:16	21125 VP-06 INDOOR
JE5543-4	5W56888.D	02/14/25	11:25	18:57	21125 VP-07 SOIL VAPOR
JE5543-5	5W56889.D	02/14/25	12:07	19:39	21125 VP-07 INDOOR

Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	V5W2171-CC2144	**Injection Date:**	02/06/25
Lab File ID:	5W56672.D	**Injection Time:**	12:46
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	398727	7.65	1802170	9.82	949524	15.33
Upper Limit [a]	558218	7.98	2523038	10.15	1329334	15.66
Lower Limit [b]	239236	7.32	1081302	9.49	569714	15.00

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2171-BS	433040	7.64	1926123	9.81	987458	15.33
V5W2171-BSD	456933	7.64	2054720	9.82	1046267	15.33
V5W2171-MB	540440	7.64	2432342	9.81	1061991	15.33
V5W2171-SCC	521642	7.64	2366422	9.81	1043136	15.33
V5W2171-SCC	504253	7.64	2282284	9.81	1015396	15.33
V5W2171-SCC	505471	7.64	2330698	9.81	1017766	15.33
V5W2171-SCC	502617	7.64	2326612	9.81	1019024	15.33
V5W2171-SCC	507527	7.64	2314546	9.81	1026577	15.33
V5W2171-SCC	503828	7.64	2280493	9.81	1006622	15.33
V5W2171-SCC	499851	7.64	2260376	9.81	1004321	15.33
V5W2171-SCC	484053	7.64	2230346	9.81	990135	15.33
V5W2171-SCC	489906	7.64	2220345	9.81	986494	15.33
V5W2171-SCC	495896	7.64	2229900	9.81	1008412	15.33
V5W2171-SCC	475062	7.64	2191887	9.81	969332	15.33
V5W2171-SCC	443366	7.64	2058931	9.81	930010	15.33
V5W2171-SCC	452694	7.64	2081271	9.81	940300	15.33
V5W2171-SCC	454199	7.64	2094348	9.81	951698	15.33
V5W2171-SCC	473310	7.64	2130063	9.81	969112	15.33
V5W2171-SCC	463581	7.64	2089350	9.81	945279	15.33
V5W2171-SCC	462991	7.64	2104826	9.81	956882	15.33
V5W2171-SCC	464724	7.64	2120807	9.81	961858	15.33
V5W2171-SCC	461222	7.64	2110724	9.81	954080	15.33
V5W2171-SCC	459293	7.64	2094424	9.81	949513	15.33

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	V5W2179-CC2144	**Injection Date:**	02/13/25
Lab File ID:	5W56864.D	**Injection Time:**	17:09
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	442492	7.64	2026914	9.82	1076657	15.33
Upper Limit [a]	619489	7.97	2837680	10.15	1507320	15.66
Lower Limit [b]	265495	7.31	1216148	9.49	645994	15.00

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2179-BS	501770	7.64	2215678	9.82	1194817	15.33
V5W2179-BSD	530480	7.64	2372247	9.82	1231677	15.33
V5W2179-MB	602764	7.64	2794617	9.81	1254004	15.33
V5W2179-SCC	509450	7.64	2256056	9.81	1002871	15.33
V5W2179-SCC	475911	7.64	2192371	9.81	1005295	15.33
V5W2179-SCC	460743	7.64	2087021	9.81	949335	15.33
V5W2179-SCC	455743	7.64	2029317	9.81	935368	15.33
JE5543-1	411912	7.64	1865686	9.82	848040	15.33
JE5543-2	384066	7.64	1817320	9.81	891257	15.33
JE5543-2DUP	365968	7.64	1733865	9.81	845842	15.33
JE5543-3	425978	7.66	1949819	9.82	895298	15.33
JE5543-4	414487	7.64	1936347	9.82	969724	15.33
JE5543-5	422909	7.64	1944736	9.81	884073	15.33
ZZZZZZ	434556	7.64	2000500	9.81	899226	15.33
ZZZZZZ	434149	7.64	1977706	9.81	910926	15.33
ZZZZZZ	392679	7.64	1872315	9.81	902354	15.33
ZZZZZZ	410388	7.64	1907128	9.81	862263	15.33
ZZZZZZ	409882	7.64	1877033	9.81	830971	15.33
JE5543-1	394923	7.64	1778659	9.81	809945	15.33
JE5543-3	403349	7.64	1796186	9.81	769653	15.33
JE5543-4	389287	7.64	1794251	9.81	874072	15.33
JE5543-5	400060	7.64	1792952	9.81	812038	15.33

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acrylonitrile	5.21	7.64	0.682	ok	0.679	0.619-0.739
1,3-Butadiene	4.00	7.64	0.524	ok	0.524	0.464-0.584
Benzene	9.39	9.82	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.93	15.33	1.170	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.31	15.33	1.064	ok	1.062	1.002-1.122
Bromomethane	4.21	7.64	0.551	ok	0.550	0.490-0.610
Bromoethene	4.60	7.64	0.602	ok	0.601	0.541-0.661
n-Butane	4.04	7.64	0.529	ok	0.529	0.469-0.589
Carbon disulfide	5.83	7.64	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.41	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.55	7.64	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.64	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.58	7.64	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.64	1.020	ok	1.019	0.959-1.079
Chloromethane	3.75	7.64	0.491	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.64	0.742	ok	0.741	0.681-0.801
Carbon tetrachloride	9.55	7.64	1.250	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.62	7.64	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.45	7.64	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.85	15.33	0.903	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.60	7.64	1.126	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.82	1.326	ok	1.324	1.264-1.384
Dichlorodifluoromethane	3.63	7.64	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.64	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.82	1.052	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.64	0.842	ok	0.841	0.781-0.901
cis-1,2-Dichloroethylene	7.49	7.64	0.980	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.82	1.196	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.84	15.33	1.294	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.42	15.33	1.332	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.95	15.33	1.301	ok	1.299	1.239-1.359
2,3-Dimethylpentane	9.98	9.82	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.64	1.132	ok	1.131	1.071-1.191
Ethylbenzene	15.98	15.33	1.042	ok	1.041	0.981-1.101
Freon 113	5.80	7.64	0.759	ok	0.758	0.698-0.818

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Freon 114	3.81	7.64	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.64	0.616	ok	0.616	0.556-0.676
Freon 123A	4.75	7.64	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.64	0.490	ok	0.489	0.429-0.549
Freon 152A	3.52	7.64	0.461	ok	0.461	0.401-0.521
Heptane	11.03	9.82	1.123	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.68	7.64	1.005	ok	1.005	0.945-1.065
Iodomethane	5.39	7.64	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.33	1.162	ok	1.162	1.102-1.222
Methylene chloride	5.58	7.64	0.730	ok	0.728	0.668-0.788
Methyl Tert Butyl Ether	6.77	7.64	0.886	ok	0.878	0.818-0.938
Naphthalene	22.91	15.33	1.494	ok	1.493	1.433-1.553
Nonane	17.31	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.22	7.64	0.683	ok	0.681	0.621-0.741
n-Propylbenzene	18.66	15.33	1.217	ok	1.215	1.155-1.275
1,1,1-Trichloroethane	8.86	7.64	1.160	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.39	15.33	1.004	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.93	15.33	1.104	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.62	9.82	1.285	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.24	15.33	1.516	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.12	15.33	1.117	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.25	15.33	1.321	ok	1.319	1.259-1.379
1,3,5-Trimethylbenzene	19.02	15.33	1.241	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.63	7.64	0.737	ok	0.727	0.667-0.787
Tetrachloroethylene	14.47	15.33	0.944	ok	0.943	0.883-1.003
Toluene	12.97	9.82	1.321	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.64	0.644	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.64	0.512	ok	0.511	0.451-0.571
m,p-Xylene	16.25	15.33	1.060	ok	1.058	0.998-1.118
o-Xylene	16.91	15.33	1.103	ok	1.102	1.042-1.162

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	443022	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1966418	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-15.67	923193	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	5.20	7.64	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.64	0.605	ok	0.602	0.542-0.662
1,3-Butadiene	4.00	7.64	0.524	ok	0.524	0.464-0.584
Benzene	9.39	9.82	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.33	1.168	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.30	15.33	1.063	ok	1.062	1.002-1.122
Bromomethane	4.21	7.64	0.551	ok	0.550	0.490-0.610
Bromoethene	4.59	7.64	0.601	ok	0.601	0.541-0.661
n-Butane	4.04	7.64	0.529	ok	0.529	0.469-0.589
n-Butylbenzene	20.86	15.33	1.361	ok	1.360	1.300-1.420
sec-Butylbenzene	20.02	15.33	1.306	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.33	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.64	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.64	0.466	ok	0.465	0.405-0.525
Chloroethane	4.33	7.64	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.58	7.64	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.64	1.020	ok	1.019	0.959-1.079
Chloromethane	3.75	7.64	0.491	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.64	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.56	15.33	1.211	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.64	1.250	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.64	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.45	7.64	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.83	15.33	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.64	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.82	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.82	1.326	ok	1.324	1.264-1.384
1,4-Dioxane	10.78	9.82	1.098	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.63	7.64	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.64	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.44	7.64	0.843	ok	0.841	0.781-0.901
cis-1,2-Dichloroethylene	7.48	7.64	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.82	1.196	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.33	1.294	ok	1.292	1.232-1.352

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	20.41	15.33	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.94	15.33	1.301	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.43	9.82	1.266	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.74	7.64	1.013	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.64	1.132	ok	1.131	1.071-1.191
Ethylbenzene	15.96	15.33	1.041	ok	1.041	0.981-1.101
4-Ethyltoluene	18.89	15.33	1.232	ok	1.231	1.171-1.291
Freon 113	5.79	7.64	0.758	ok	0.758	0.698-0.818
Freon 114	3.82	7.64	0.500	ok	0.499	0.439-0.559
Freon 123	4.71	7.64	0.616	ok	0.616	0.556-0.676
Freon 123A	4.75	7.64	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.64	0.490	ok	0.489	0.429-0.549
Freon 152A	3.53	7.64	0.462	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.69	7.64	1.007	ok	1.005	0.945-1.065
Iodomethane	5.39	7.64	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.33	1.162	ok	1.162	1.102-1.222
p-Isopropyltoluene	20.27	15.33	1.322	ok	1.321	1.261-1.381
Methylene chloride	5.56	7.64	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.16	7.64	0.937	ok	0.924	0.864-0.984
Methyl Tert Butyl Ether	6.75	7.64	0.884	ok	0.878	0.818-0.938
Methylmethacrylate	11.01	9.82	1.121	ok	1.115	1.055-1.175
Naphthalene	22.90	15.33	1.494	ok	1.493	1.433-1.553
Nonane	17.30	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.21	7.64	0.682	ok	0.681	0.621-0.741
n-Propylbenzene	18.66	15.33	1.217	ok	1.215	1.155-1.275
Propylene	3.58	7.64	0.469	ok	0.468	0.408-0.528
Styrene	16.78	15.33	1.095	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.64	1.160	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.33	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.33	1.103	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.62	9.82	1.285	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.33	1.515	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.11	15.33	1.116	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.24	15.33	1.320	ok	1.319	1.259-1.379

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	19.64	15.33	1.281	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.02	15.33	1.241	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.61	7.64	0.734	ok	0.727	0.667-0.787
Tetrachloroethylene	14.47	15.33	0.944	ok	0.943	0.883-1.003
Tetrahydrofuran	8.34	7.64	1.092	ok	1.079	1.019-1.139
Toluene	12.97	9.82	1.321	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.64	0.644	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.64	0.512	ok	0.511	0.451-0.571
m,p-Xylene	16.25	15.33	1.060	ok	1.058	0.998-1.118
o-Xylene	16.91	15.33	1.103	ok	1.102	1.042-1.162

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	433255	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1918380	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-15.67	901402	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.84	7.65	0.633	ok	0.629	0.569-0.689
Acrolein	4.72	7.65	0.617	ok	0.614	0.554-0.674
Acrylonitrile	5.22	7.65	0.682	ok	0.679	0.619-0.739
Acetonitrile	4.63	7.65	0.605	ok	0.602	0.542-0.662
1,3-Butadiene	4.02	7.65	0.525	ok	0.524	0.464-0.584
Benzene	9.39	9.82	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.33	1.169	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.30	15.33	1.063	ok	1.062	1.002-1.122
Bromomethane	4.22	7.65	0.552	ok	0.550	0.490-0.610
Bromoethene	4.60	7.65	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.65	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.82	15.33	1.293	ok	1.292	1.232-1.352
n-Butylbenzene	20.86	15.33	1.361	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.33	1.305	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.33	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.84	7.65	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.57	7.65	0.467	ok	0.465	0.405-0.525
Chloroethane	4.34	7.65	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.65	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.65	1.020	ok	1.019	0.959-1.079
Chloromethane	3.76	7.65	0.492	ok	0.490	0.430-0.550
3-Chloropropene	5.68	7.65	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.33	1.210	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.65	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.64	7.65	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.47	7.65	0.715	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.83	15.33	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.60	7.65	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.82	1.326	ok	1.324	1.264-1.384
1,4-Dioxane	10.76	9.82	1.096	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.65	0.476	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.41	7.65	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.82	1.052	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.65	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.49	7.65	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.82	1.195	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.33	1.294	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.33	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.93	15.33	1.300	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.42	9.82	1.265	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.75	7.65	1.013	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.65	1.131	ok	1.131	1.071-1.191
Ethylbenzene	15.96	15.33	1.041	ok	1.041	0.981-1.101
Ethyl Acetate	7.80	7.65	1.020	ok	1.012	0.952-1.072
Ethyl Acrylate	10.48	9.82	1.067	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.33	1.232	ok	1.231	1.171-1.291
Freon 113	5.81	7.65	0.759	ok	0.758	0.698-0.818
Freon 114	3.83	7.65	0.501	ok	0.499	0.439-0.559
Freon 123	4.72	7.65	0.617	ok	0.616	0.556-0.676
Freon 123A	4.76	7.65	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.65	0.489	ok	0.489	0.429-0.549
Freon 152A	3.53	7.65	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.69	7.65	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.44	15.33	0.877	ok	0.872	0.812-0.932
Iodomethane	5.41	7.65	0.707	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.33	1.162	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.06	7.65	0.661	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.27	15.33	1.322	ok	1.321	1.261-1.381
Methylene chloride	5.58	7.65	0.729	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.12	7.65	0.931	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.86	9.82	1.208	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.75	7.65	0.882	ok	0.878	0.818-0.938
Methylmethacrylate	10.98	9.82	1.118	ok	1.115	1.055-1.175
Naphthalene	22.90	15.33	1.494	ok	1.493	1.433-1.553
Nonane	17.30	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.22	7.65	0.682	ok	0.681	0.621-0.741
n-Propylbenzene	18.64	15.33	1.216	ok	1.215	1.155-1.275
Propylene	3.59	7.65	0.469	ok	0.468	0.408-0.528

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.77	15.33	1.094	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.65	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.39	15.33	1.004	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.33	1.103	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.62	9.82	1.285	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.33	1.515	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.10	15.33	1.115	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.24	15.33	1.320	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.63	15.33	1.280	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.02	15.33	1.241	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.61	7.65	0.733	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.33	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.32	7.65	1.088	ok	1.079	1.019-1.139
Toluene	12.96	9.82	1.320	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.93	7.65	0.644	ok	0.643	0.583-0.703
Vinyl chloride	3.92	7.65	0.512	ok	0.511	0.451-0.571
Vinyl Acetate	6.82	7.65	0.892	ok	0.888	0.828-0.948
m,p-Xylene	16.23	15.33	1.059	ok	1.058	0.998-1.118
o-Xylene	16.90	15.33	1.102	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.22	15.33	0.341	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	430146	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1898537	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-15.67	894261	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	Reporting this level
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.81	7.65	0.629	ok	0.629	0.569-0.689
Acrolein	4.70	7.65	0.614	ok	0.614	0.554-0.674
Acrylonitrile	5.19	7.65	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.65	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.65	0.524	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.34	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.28	15.34	1.061	ok	1.062	1.002-1.122
Bromomethane	4.21	7.65	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.65	0.601	ok	0.601	0.541-0.661
n-Butane	4.04	7.65	0.528	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.34	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.34	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.34	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.60	15.34	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.65	0.762	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.34	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.65	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.65	0.566	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.65	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.65	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.65	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.65	0.741	ok	0.741	0.681-0.801
2-Chlorotoluene	18.54	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.65	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.65	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.65	0.714	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.81	15.34	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.65	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.67	9.82	1.087	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.63	7.65	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.65	0.575	ok	0.575	0.515-0.635
Dibromochloromethane	13.50	15.34	0.880	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.65	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	Reporting this level
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.48	7.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.82	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.81	15.34	1.291	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.40	15.34	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.82	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.70	7.65	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.98	9.82	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.65	1.131	ok	1.131	1.071-1.191
Ethanol	4.43	7.65	0.579	ok	0.579	0.519-0.639
Ethylbenzene	15.95	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.74	7.65	1.012	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.82	1.059	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.65	0.758	ok	0.758	0.698-0.818
Freon 114	3.82	7.65	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.65	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.65	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.65	0.489	ok	0.489	0.429-0.549
Freon 152A	3.53	7.65	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.31	15.34	1.389	ok	1.390	1.330-1.450
Hexane	7.69	7.65	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.34	0.871	ok	0.872	0.812-0.932
Iodomethane	5.39	7.65	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.34	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.01	7.65	0.655	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.34	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.57	7.65	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.04	7.65	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.82	1.201	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.70	7.65	0.876	ok	0.878	0.818-0.938
Methylmethacrylate	10.93	9.82	1.113	ok	1.115	1.055-1.175
Naphthalene	22.88	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.30	15.34	1.128	ok	1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.65	0.681	ok	0.681	0.621-0.741
n-Propylbenzene	18.63	15.34	1.214	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	Reporting this level
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.65	0.468	ok	0.468	0.408-0.528
Styrene	16.75	15.34	1.092	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.65	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.34	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.90	15.34	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.60	9.82	1.283	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.22	15.34	1.514	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.09	15.34	1.114	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.23	15.34	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.62	15.34	1.279	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.34	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.53	7.65	0.723	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.34	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.65	1.076	ok	1.079	1.019-1.139
Toluene	12.95	9.82	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.65	0.643	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.65	0.511	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.65	0.888	ok	0.888	0.828-0.948
m,p-Xylene	16.20	15.34	1.056	ok	1.058	0.998-1.118
o-Xylene	16.89	15.34	1.101	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.34	0.340	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	412314	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1823891	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.34	ok	15.34	15.01-15.67	913003	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.80	7.65	0.627	ok	0.629	0.569-0.689
Acrolein	4.69	7.65	0.613	ok	0.614	0.554-0.674
Acrylonitrile	5.18	7.65	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.65	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.65	0.524	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.34	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.28	15.34	1.061	ok	1.062	1.002-1.122
Bromomethane	4.21	7.65	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.65	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.65	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.34	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.34	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.34	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.34	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.65	0.762	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.34	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.65	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.65	0.566	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.65	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.65	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.65	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.65	0.741	ok	0.741	0.681-0.801
2-Chlorotoluene	18.54	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.65	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.65	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.65	0.714	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.34	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.65	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.82	1.085	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.65	0.476	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.65	0.575	ok	0.575	0.515-0.635
Dibromochloromethane	13.50	15.34	0.880	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.65	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.48	7.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.82	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.81	15.34	1.291	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.40	15.34	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.82	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.69	7.65	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.65	1.131	ok	1.131	1.071-1.191
Ethanol	4.43	7.65	0.579	ok	0.579	0.519-0.639
Ethylbenzene	15.95	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.73	7.65	1.010	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.82	1.059	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.65	0.758	ok	0.758	0.698-0.818
Freon 114	3.82	7.65	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.65	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.65	0.622	ok	0.622	0.562-0.682
Freon 142B	3.74	7.65	0.489	ok	0.489	0.429-0.549
Freon 152A	3.53	7.65	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.34	1.390	ok	1.390	1.330-1.450
Hexane	7.69	7.65	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.35	15.34	0.870	ok	0.872	0.812-0.932
Iodomethane	5.39	7.65	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.34	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.00	7.65	0.654	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.34	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.57	7.65	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.65	0.919	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.82	1.199	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.69	7.65	0.875	ok	0.878	0.818-0.938
Methylmethacrylate	10.92	9.82	1.112	ok	1.115	1.055-1.175
Naphthalene	22.88	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.30	15.34	1.128	ok	1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.65	0.681	ok	0.681	0.621-0.741
n-Propylbenzene	18.63	15.34	1.214	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.65	0.468	ok	0.468	0.408-0.528
Styrene	16.75	15.34	1.092	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.65	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.34	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.90	15.34	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.60	9.82	1.283	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.22	15.34	1.514	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.09	15.34	1.114	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.23	15.34	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.62	15.34	1.279	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.34	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.52	7.65	0.722	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.34	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.22	7.65	1.075	ok	1.079	1.019-1.139
Toluene	12.95	9.82	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.65	0.643	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.65	0.511	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.65	0.888	ok	0.888	0.828-0.948
m,p-Xylene	16.23	15.34	1.058	ok	1.058	0.998-1.118
o-Xylene	16.89	15.34	1.101	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.34	0.340	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	422761	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1839130	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.34	ok	15.34	15.01-15.67	963498	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.80	7.66	0.627	ok	0.629	0.569-0.689
Acrolein	4.69	7.66	0.612	ok	0.614	0.554-0.674
Acrylonitrile	5.18	7.66	0.676	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.66	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.66	0.523	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.34	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.28	15.34	1.061	ok	1.062	1.002-1.122
Bromomethane	4.21	7.66	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.66	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.66	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.34	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.34	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.34	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.61	15.34	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.66	0.761	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.34	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.66	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.66	0.565	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.66	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.66	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.66	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.66	0.740	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.66	1.247	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.82	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.66	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.66	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.34	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.66	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.82	1.085	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.66	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.66	0.574	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.34	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.66	0.839	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.48	7.66	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.82	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.34	1.292	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.40	15.34	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.82	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.69	7.66	1.004	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.82	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.66	1.129	ok	1.131	1.071-1.191
Ethanol	4.43	7.66	0.578	ok	0.579	0.519-0.639
Ethylbenzene	15.95	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.72	7.66	1.008	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.82	1.059	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.66	0.757	ok	0.758	0.698-0.818
Freon 114	3.82	7.66	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.66	0.615	ok	0.616	0.556-0.676
Freon 123A	4.76	7.66	0.621	ok	0.622	0.562-0.682
Freon 142B	3.74	7.66	0.488	ok	0.489	0.429-0.549
Freon 152A	3.53	7.66	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.34	1.390	ok	1.390	1.330-1.450
Hexane	7.69	7.66	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.34	15.34	0.870	ok	0.872	0.812-0.932
Iodomethane	5.40	7.66	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.34	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.00	7.66	0.653	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.34	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.57	7.66	0.727	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.66	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.82	1.199	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.68	7.66	0.872	ok	0.878	0.818-0.938
Methylmethacrylate	10.92	9.82	1.112	ok	1.115	1.055-1.175
Naphthalene	22.88	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.31	15.34	1.128	ok	1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.66	0.680	ok	0.681	0.621-0.741
n-Propylbenzene	18.63	15.34	1.214	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.66	0.467	ok	0.468	0.408-0.528
Styrene	16.75	15.34	1.092	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.66	1.157	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.34	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.90	15.34	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.61	9.82	1.284	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.22	15.34	1.514	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.09	15.34	1.114	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.23	15.34	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.62	15.34	1.279	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.34	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.52	7.66	0.721	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.34	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.21	7.66	1.072	ok	1.079	1.019-1.139
Toluene	12.95	9.82	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.66	0.642	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.66	0.510	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.66	0.886	ok	0.888	0.828-0.948
m,p-Xylene	16.23	15.34	1.058	ok	1.058	0.998-1.118
o-Xylene	16.89	15.34	1.101	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.34	0.340	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.65	7.32-7.98	434526	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	1816899	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.34	ok	15.34	15.01-15.67	1045556	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.80	7.66	0.627	ok	0.629	0.569-0.689
Acrolein	4.70	7.66	0.614	ok	0.614	0.554-0.674
Acrylonitrile	5.19	7.66	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.66	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.66	0.523	ok	0.524	0.464-0.584
Benzene	9.39	9.83	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.34	1.168	ok	1.168	1.108-1.228
Bromodichloromethane	10.60	9.83	1.078	ok	1.078	1.018-1.138
Bromoform	16.29	15.34	1.062	ok	1.062	1.002-1.122
Bromomethane	4.21	7.66	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.66	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.66	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.82	15.34	1.292	ok	1.292	1.232-1.352
n-Butylbenzene	20.86	15.34	1.360	ok	1.360	1.300-1.420
sec-Butylbenzene	20.02	15.34	1.305	ok	1.305	1.245-1.365
tert-Butylbenzene	19.62	15.34	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.66	0.761	ok	0.762	0.702-0.822
Chlorobenzene	15.41	15.34	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.66	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.66	0.565	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.66	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.66	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.66	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.68	7.66	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.34	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.66	1.247	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.83	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.63	7.66	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.47	7.66	0.714	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.34	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.66	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.83	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.83	1.322	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.83	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.66	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.66	0.574	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.34	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.83	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.66	0.839	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.49	7.66	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.72	9.83	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.34	1.292	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.34	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.93	15.34	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.83	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.70	7.66	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.83	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.66	1.129	ok	1.131	1.071-1.191
Ethanol	4.44	7.66	0.580	ok	0.579	0.519-0.639
Ethylbenzene	15.96	15.34	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.73	7.66	1.009	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.83	1.058	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.34	1.231	ok	1.231	1.171-1.291
Freon 113	5.80	7.66	0.757	ok	0.758	0.698-0.818
Freon 114	3.83	7.66	0.500	ok	0.499	0.439-0.559
Freon 123	4.72	7.66	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.66	0.621	ok	0.622	0.562-0.682
Freon 142B	3.74	7.66	0.488	ok	0.489	0.429-0.549
Freon 152A	3.53	7.66	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.83	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.34	1.523	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.34	1.390	ok	1.390	1.330-1.450
Hexane	7.69	7.66	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.35	15.34	0.870	ok	0.872	0.812-0.932
Iodomethane	5.40	7.66	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.34	1.162	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.01	7.66	0.654	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.27	15.34	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.58	7.66	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.66	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.83	1.197	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.68	7.66	0.872	ok	0.878	0.818-0.938
Methylmethacrylate	10.93	9.83	1.112	ok	1.115	1.055-1.175
Naphthalene	22.89	15.34	1.492	ok	1.493	1.433-1.553
Nonane	17.31	15.34	1.128	ok	1.128	1.068-1.188
Octane	14.32	15.34	0.934	ok	0.934	0.874-0.994
Pentane	5.22	7.66	0.681	ok	0.681	0.621-0.741
n-Propylbenzene	18.64	15.34	1.215	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.66	0.467	ok	0.468	0.408-0.528
Styrene	16.75	15.34	1.092	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.39	15.34	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.34	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.34	1.514	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.10	15.34	1.115	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.24	15.34	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.63	15.34	1.280	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.34	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.52	7.66	0.721	ok	0.727	0.667-0.787
Tetrachloroethylene	14.46	15.34	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.21	7.66	1.072	ok	1.079	1.019-1.139
Toluene	12.95	9.83	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.66	0.642	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.66	0.510	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.66	0.886	ok	0.888	0.828-0.948
m,p-Xylene	16.24	15.34	1.059	ok	1.058	0.998-1.118
o-Xylene	16.90	15.34	1.102	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.34	0.340	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.65	7.32-7.98	463457	ok	443667	266200-621134
1,4-Difluorobenzene	9.83	ok	9.82	9.49-10.15	1816263	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.34	ok	15.34	15.01-15.67	1233579	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.80	7.66	0.627	ok	0.629	0.569-0.689
Acrolein	4.70	7.66	0.614	ok	0.614	0.554-0.674
Acrylonitrile	5.19	7.66	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.60	7.66	0.601	ok	0.602	0.542-0.662
1,3-Butadiene	4.01	7.66	0.523	ok	0.524	0.464-0.584
Benzene	9.39	9.83	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.168	1.108-1.228
Bromodichloromethane	10.60	9.83	1.078	ok	1.078	1.018-1.138
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.21	7.66	0.550	ok	0.550	0.490-0.610
Bromoethene	4.60	7.66	0.601	ok	0.601	0.541-0.661
n-Butane	4.05	7.66	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.82	15.35	1.291	ok	1.292	1.232-1.352
n-Butylbenzene	20.86	15.35	1.359	ok	1.360	1.300-1.420
sec-Butylbenzene	20.02	15.35	1.304	ok	1.305	1.245-1.365
tert-Butylbenzene	19.62	15.35	1.278	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.66	0.761	ok	0.762	0.702-0.822
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.66	0.465	ok	0.465	0.405-0.525
Chloroethane	4.33	7.66	0.565	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.59	7.66	0.469	ok	0.469	0.409-0.529
Chloroform	7.80	7.66	1.018	ok	1.019	0.959-1.079
Chloromethane	3.75	7.66	0.490	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.66	0.740	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.66	1.247	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.83	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.64	7.66	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.46	7.66	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.66	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.83	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.83	1.322	ok	1.324	1.264-1.384
1,4-Dioxane	10.65	9.83	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.64	7.66	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.66	0.574	ok	0.575	0.515-0.635
Dibromochloromethane	13.51	15.35	0.880	ok	0.881	0.821-0.941
Dibromomethane	10.33	9.83	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.66	0.839	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.49	7.66	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.40	9.83	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.70	7.66	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.99	9.83	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.66	1.129	ok	1.131	1.071-1.191
Ethanol	4.44	7.66	0.580	ok	0.579	0.519-0.639
Ethylbenzene	15.96	15.35	1.040	ok	1.041	0.981-1.101
Ethyl Acetate	7.73	7.66	1.009	ok	1.012	0.952-1.072
Ethyl Acrylate	10.40	9.83	1.058	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.35	1.230	ok	1.231	1.171-1.291
Freon 113	5.80	7.66	0.757	ok	0.758	0.698-0.818
Freon 114	3.82	7.66	0.499	ok	0.499	0.439-0.559
Freon 123	4.71	7.66	0.615	ok	0.616	0.556-0.676
Freon 123A	4.76	7.66	0.621	ok	0.622	0.562-0.682
Freon 142B	3.74	7.66	0.488	ok	0.489	0.429-0.549
Freon 152A	3.53	7.66	0.461	ok	0.461	0.401-0.521
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.35	1.389	ok	1.390	1.330-1.450
Hexane	7.69	7.66	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.35	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.40	7.66	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.82	15.35	1.161	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.01	7.66	0.654	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.321	1.261-1.381
Methylene chloride	5.58	7.66	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.03	7.66	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.77	9.83	1.197	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.68	7.66	0.872	ok	0.878	0.818-0.938
Methylmethacrylate	10.93	9.83	1.112	ok	1.115	1.055-1.175
Naphthalene	22.89	15.35	1.491	ok	1.493	1.433-1.553
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.21	7.66	0.680	ok	0.681	0.621-0.741
n-Propylbenzene	18.64	15.35	1.214	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	Reporting this level
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.66	0.467	ok	0.468	0.408-0.528
Styrene	16.75	15.35	1.091	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.35	1.513	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.52	7.66	0.721	ok	0.727	0.667-0.787
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.21	7.66	1.072	ok	1.079	1.019-1.139
Toluene	12.95	9.83	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.66	0.642	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.66	0.510	ok	0.511	0.451-0.571
Vinyl Acetate	6.79	7.66	0.886	ok	0.888	0.828-0.948
m,p-Xylene	16.24	15.35	1.058	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.21	15.35	0.339	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.65	7.32-7.98	497435	ok	443667	266200-621134
1,4-Difluorobenzene	9.83	ok	9.82	9.49-10.15	1886774	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.35	ok	15.34	15.01-15.67	1356790	ok	1019287	611572-1427002

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.64	0.631	ok	0.629	0.569-0.689
Acrolein	4.70	7.64	0.615	ok	0.614	0.554-0.674
Acrylonitrile	5.20	7.64	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.61	7.64	0.603	ok	0.602	0.542-0.662
1,3-Butadiene	4.00	7.64	0.524	ok	0.524	0.464-0.584
Benzene	9.38	9.82	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.33	1.168	ok	1.168	1.108-1.228
Bromodichloromethane	10.59	9.82	1.078	ok	1.078	1.018-1.138
Bromoform	16.29	15.33	1.063	ok	1.062	1.002-1.122
Bromomethane	4.21	7.64	0.551	ok	0.550	0.490-0.610
Bromoethene	4.60	7.64	0.602	ok	0.601	0.541-0.661
n-Butane	4.04	7.64	0.529	ok	0.529	0.469-0.589
Benzyl Chloride	19.81	15.33	1.292	ok	1.292	1.232-1.352
n-Butylbenzene	20.85	15.33	1.360	ok	1.360	1.300-1.420
sec-Butylbenzene	20.01	15.33	1.305	ok	1.305	1.245-1.365
tert-Butylbenzene	19.60	15.33	1.279	ok	1.279	1.219-1.339
Carbon disulfide	5.83	7.64	0.763	ok	0.762	0.702-0.822
Chlorobenzene	15.40	15.33	1.005	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.56	7.64	0.466	ok	0.465	0.405-0.525
Chloroethane	4.33	7.64	0.567	ok	0.566	0.506-0.626
Chlorotrifluoroethene	3.58	7.64	0.469	ok	0.469	0.409-0.529
Chloroform	7.79	7.64	1.020	ok	1.019	0.959-1.079
Chloromethane	3.75	7.64	0.491	ok	0.490	0.430-0.550
3-Chloropropene	5.67	7.64	0.742	ok	0.741	0.681-0.801
2-Chlorotoluene	18.55	15.33	1.210	ok	1.209	1.149-1.269
Carbon tetrachloride	9.55	7.64	1.250	ok	1.248	1.188-1.308
Cyclohexane	9.68	9.82	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.62	7.64	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.45	7.64	0.713	ok	0.714	0.654-0.774
1,2-Dibromoethane (EDB)	13.82	15.33	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.59	7.64	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.35	9.82	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.82	1.324	ok	1.324	1.264-1.384
1,4-Dioxane	10.73	9.82	1.093	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.63	7.64	0.475	ok	0.475	0.415-0.535
Dichlorofluoromethane	4.40	7.64	0.576	ok	0.575	0.515-0.635
Dibromochloromethane	13.50	15.33	0.881	ok	0.881	0.821-0.941
Dibromomethane	10.32	9.82	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	6.43	7.64	0.842	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.47	7.64	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.82	1.195	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.33	1.293	ok	1.292	1.232-1.352
o-Dichlorobenzene	20.41	15.33	1.331	ok	1.331	1.271-1.391
p-Dichlorobenzene	19.92	15.33	1.299	ok	1.299	1.239-1.359
trans-1,3-Dichloropropene	12.41	9.82	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.64	1.010	ok	1.008	0.948-1.068
2,3-Dimethylpentane	9.98	9.82	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.65	7.64	1.132	ok	1.131	1.071-1.191
Ethanol	4.44	7.64	0.581	ok	0.579	0.519-0.639
Ethylbenzene	15.96	15.33	1.041	ok	1.041	0.981-1.101
Ethyl Acetate	7.77	7.64	1.017	ok	1.012	0.952-1.072
Ethyl Acrylate	10.45	9.82	1.064	ok	1.061	1.001-1.121
4-Ethyltoluene	18.88	15.33	1.232	ok	1.231	1.171-1.291
Freon 113	5.80	7.64	0.759	ok	0.758	0.698-0.818
Freon 114	3.82	7.64	0.500	ok	0.499	0.439-0.559
Freon 123	4.71	7.64	0.616	ok	0.616	0.556-0.676
Freon 123A	4.76	7.64	0.623	ok	0.622	0.562-0.682
Freon 142B	3.74	7.64	0.490	ok	0.489	0.429-0.549
Freon 152A	3.52	7.64	0.461	ok	0.461	0.401-0.521
Heptane	11.02	9.82	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.33	1.524	ok	1.524	1.464-1.584
Hexachloroethane	21.32	15.33	1.391	ok	1.390	1.330-1.450
Hexane	7.69	7.64	1.007	ok	1.005	0.945-1.065
2-Hexanone	13.41	15.33	0.875	ok	0.872	0.812-0.932
Iodomethane	5.39	7.64	0.705	ok	0.705	0.645-0.765
Isopropylbenzene	17.81	15.33	1.162	ok	1.162	1.102-1.222
Isopropyl Alcohol	5.04	7.64	0.660	ok	0.656	0.596-0.716
p-Isopropyltoluene	20.26	15.33	1.322	ok	1.321	1.261-1.381
Methylene chloride	5.56	7.64	0.728	ok	0.728	0.668-0.788
Methyl ethyl ketone	7.09	7.64	0.928	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.84	9.82	1.206	ok	1.201	1.141-1.261
Methyl Tert Butyl Ether	6.73	7.64	0.881	ok	0.878	0.818-0.938
Methylmethacrylate	10.96	9.82	1.116	ok	1.115	1.055-1.175
Naphthalene	22.89	15.33	1.493	ok	1.493	1.433-1.553
Nonane	17.30	15.33	1.129	ok	1.128	1.068-1.188
Octane	14.33	15.33	0.935	ok	0.934	0.874-0.994
Pentane	5.20	7.64	0.681	ok	0.681	0.621-0.741
n-Propylbenzene	18.64	15.33	1.216	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2144-IC2144	5W55994.D	01/09/25 00:36	TCH	0.04	GCMS5W	TO-15	
V5W2144-IC2144	5W55995.D	01/09/25 01:16	TCH	0.1	GCMS5W	TO-15	
V5W2144-IC2144	5W55996.D	01/09/25 01:59	TCH	0.2	GCMS5W	TO-15	
V5W2144-IC2144	5W56001.D	01/09/25 05:39	TCH	5	GCMS5W	TO-15	
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	TCH	10	GCMS5W	TO-15	
V5W2144-IC2144	5W56003.D	01/09/25 07:03	TCH	20	GCMS5W	TO-15	
V5W2144-IC2144	5W56004.D	01/09/25 07:49	TCH	40	GCMS5W	TO-15	
V5W2144-IC2144	5W56005.D	01/09/25 08:36	TCH	50	GCMS5W	TO-15	
V5W2144-IC2144	5W56013.D	01/09/25 15:02	TCH	0.5	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.58	7.64	0.469	ok	0.468	0.408-0.528
Styrene	16.75	15.33	1.093	ok	1.093	1.033-1.153
1,1,1-Trichloroethane	8.86	7.64	1.160	ok	1.158	1.098-1.218
1,1,1,2-Tetrachloroethane	15.38	15.33	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.33	1.103	ok	1.103	1.043-1.163
1,1,2-Trichloroethane	12.61	9.82	1.284	ok	1.284	1.224-1.344
1,2,4-Trichlorobenzene	23.23	15.33	1.515	ok	1.515	1.455-1.575
1,2,3-Trichloropropane	17.10	15.33	1.115	ok	1.115	1.055-1.175
1,2,3-Trimethylbenzene	20.23	15.33	1.320	ok	1.319	1.259-1.379
1,2,4-Trimethylbenzene	19.62	15.33	1.280	ok	1.280	1.220-1.340
1,3,5-Trimethylbenzene	19.01	15.33	1.240	ok	1.240	1.180-1.300
2,2,4-Trimethylpentane	10.67	9.82	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.58	7.64	0.730	ok	0.727	0.667-0.787
Tetrachloroethylene	14.45	15.33	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.29	7.64	1.085	ok	1.079	1.019-1.139
Toluene	12.95	9.82	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.64	9.82	1.084	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.92	7.64	0.644	ok	0.643	0.583-0.703
Vinyl chloride	3.91	7.64	0.512	ok	0.511	0.451-0.571
Vinyl Acetate	6.81	7.64	0.891	ok	0.888	0.828-0.948
m,p-Xylene	16.23	15.33	1.059	ok	1.058	0.998-1.118
o-Xylene	16.90	15.33	1.102	ok	1.102	1.042-1.162
TVHC As Equiv Pentane	5.20	15.33	0.339	ok	0.340	0.280-0.400

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	456086	ok	443667	266200-621134
1,4-Difluorobenzene	9.82	ok	9.82	9.49-10.15	2018572	ok	1887207	1132324-2642090
Chlorobenzene-D5	15.33	ok	15.34	15.01-15.67	942297	ok	1019287	611572-1427002

Surrogate Recovery Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JE5543-1	5W56886.D	113
JE5543-1	5W56875.D	116
JE5543-2	5W56876.D	115
JE5543-3	5W56887.D	116
JE5543-3	5W56878.D	115
JE5543-4	5W56888.D	115
JE5543-4	5W56879.D	117
JE5543-5	5W56889.D	114
JE5543-5	5W56880.D	116
JE5543-2DUP	5W56877.D	115
V5W2171-SCC	5W56694.D	112
V5W2179-BS	5W56865.D	107
V5W2179-BSD	5W56866.D	110
V5W2179-MB	5W56869.D	110
V5W2171-BS	5W56673.D	109
V5W2171-BSD	5W56674.D	109
V5W2171-MB	5W56677.D	114

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2144-ICC2144
Lab FileID: 5W56002.D

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Calibration Files
0.04=5w55994.D 0.1 =5w55995.D 0.2 =5w55996.D 0.5 =5w56013.D
5 =5w56001.D 10 =5w56002.D 20 =5w56003.D 40 =5w56004.D
50 =5w56005.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) FREON 152A	0.977	0.787	0.670	0.625	0.668	0.660	0.668	0.662	0.657	0.708	15.57
4) CHLORODIFLUOROMETHANE	0.238	0.334	0.322	0.311	0.335	0.337	0.340	0.341	0.340	0.322	10.26
5) CHLOROTRIFLUOROETHENE	1.580	1.575	1.612	1.516	1.684	1.682	1.723	1.697	1.692	1.640	4.34
6) DICHLORODIFLUOROMETHANE	3.163	3.254	3.326	3.153	3.357	3.302	3.232	3.015	2.854	3.184	5.09
7) PROPYLENE		0.956	0.805	0.746	0.796	0.801	0.794	0.765	0.747	0.801	8.36
8) 1-CHLORO-1,1-DIFLUOROETHANE	3.576	3.452	3.526	3.321	3.461	3.344	3.143	2.765	2.545	3.237	11.05
9) FREON 114	4.396	4.557	4.599	4.436	4.572	4.312	3.985	3.389	3.065	4.146	13.48
10) CHLOROMETHANE	0.532	0.498	0.493	0.428	0.447	0.433	0.403	0.356	0.335	0.436	15.01
11) VINYL CHLORIDE	1.572	1.668	1.645	1.558	1.589	1.505	1.389	1.218	1.132	1.475	12.84
12) 1,3-BUTADIENE	1.234	1.132	1.077	0.975	1.020	0.981	0.906	0.807	0.755	0.987	15.37
13) n-BUTANE	2.771	2.383	2.498	2.095	2.079	1.960	1.805	1.562	1.452	2.067	20.92
14) BROMOMETHANE	1.889	1.805	1.717	1.602	1.657	1.569	1.472	1.325	1.239	1.586	13.45
15) CHLOROETHANE	0.810	0.779	0.741	0.702	0.680	0.638	0.600	0.541	0.507	0.667	15.62
16) DICHLOROFLUOROMETHANE	3.592	3.779	3.651	3.414	3.396	3.223	2.981	2.620	2.414	3.230	14.57
17) ACETONITRILE		1.364	1.664	1.246	1.237	1.166	1.087	0.960	0.882	1.201	20.35
18) ACROLEIN			0.690	0.625	0.539	0.521	0.491	0.440	0.410	0.531	18.66
19) FREON 123	3.961	3.873	3.863	3.681	3.730	3.507	3.270	2.875	2.643	3.489	13.39
20) FREON 123A	2.115	2.206	2.146	2.081	2.097	1.986	1.863	1.666	1.552	1.968	11.57
21) TRICHLOROFLUOROMETHANE	4.223	4.253	3.302	4.128	3.611	3.416	3.198	2.721	2.695	3.505	17.14
22) ISOPROPYL ALCOHOL			2.754	2.207	1.839	1.735	1.659	1.432	1.340	1.852	26.34
23) ACETONE											

Initial Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Sample: V5W2144-ICC2144
Lab FileID: 5W56002.D

			0.948	0.680	0.608	0.555	0.514	0.448	0.416	0.596	30.21
24)	PENTANE											
	1.138	1.064	0.992	0.901	0.931	0.901	0.864	0.832	0.807	0.937	11.67
25)	IODOMETHANE											
	2.657	2.712	2.701	2.722	2.875	2.851	2.829	2.779	2.741	2.763	2.70
26)	1,1-DICHLOROETHYLENE											
	1.065	0.968	0.946	0.906	0.928	0.909	0.883	0.850	0.831	0.921	7.55
27)	CARBON DISULFIDE											
	2.450	2.649	2.788	2.645	2.770	2.640	2.539	2.402	2.314	2.577	6.33
28)	ETHANOL											
				1.054	0.787	0.739	0.669	0.553	0.513	0.719	27.07
29)	BROMOETHENE											
	1.684	1.596	1.582	1.563	1.563	1.519	1.450	1.320	1.242	1.502	9.40
30)	ACRYLONITRILE											
	0.541	0.665	0.740	0.506	0.546	0.526	0.519	0.498	0.488	0.559	15.33
31)	METHYLENE CHLORIDE											
	1.155	0.991	0.974	0.931	0.897	0.854	0.825	0.778	0.748	0.906	13.81
32)	3-CHLOROPROPENE											
	0.288	0.370	0.429	0.400	0.437	0.431	0.422	0.404	0.389	0.397	11.65
33)	FREON 113											
	1.689	1.727	1.781	1.702	1.715	1.691	1.686	1.698	1.707	1.711	1.72
34)	TRANS-1,2-DICHLOROETHYLENE											
	0.954	0.971	1.007	0.951	0.982	0.975	0.962	0.949	0.941	0.966	2.11
35)	TERTIARY BUTYL ALCOHOL											
	1.434	1.519	1.548	1.588	1.695	1.669	1.645	1.527	1.412	1.560	6.36
36)	METHYL TERTIARY BUTYL ETHER											
	2.016	2.086	2.189	2.200	2.485	2.479	2.472	2.389	2.331	2.294	7.76
37)	TETRAHYDROFURAN											
			0.219	0.278	0.335	0.421	0.426	0.425	0.409	0.401	0.364	21.63
38)	HEXANE											
	1.169	1.134	1.164	1.192	1.350	1.360	1.421	1.486	1.454	1.303	10.64
39)	VINYL ACETATE											
			0.050	0.095	0.165	0.174	0.186	0.182	0.179	0.147	36.06
40)	1,1-DICHLOROETHANE											
	1.687	1.610	1.702	1.661	1.740	1.670	1.647	1.576	1.536	1.648	3.88
41)	METHYL ETHYL KETONE											
			0.220	0.293	0.336	0.420	0.432	0.430	0.414	0.405	0.369	21.16
42)	cis-1,2-DICHLOROETHYLENE											
	1.362	0.963	1.020	0.995	1.031	1.024	1.034	1.016	1.004	1.050	11.35
43)	DIISOPROPYL ETHER											
			0.290	0.335	0.355	0.407	0.411	0.428	0.449	0.442	0.390	14.52
44)	ETHYL ACETATE											
			0.197	0.245	0.303	0.307	0.304	0.301	0.292	0.278	15.07
45)	METHYL ACRYLATE											
			1.082	1.239	1.690	1.694	1.734	1.743	1.687	1.553	17.55
46)	CHLOROFORM											
	2.326	2.338	2.340	2.187	2.283	2.208	2.133	2.023	1.965	2.200	6.28
47)	2,4-DIMETHYLPENTANE											
	1.237	1.183	1.241	1.320	1.534	1.555	1.551	1.519	1.496	1.404	11.07
48)	1,1,1-TRICHLOROETHANE											
	2.131	2.291	2.342	2.223	2.346	2.312	2.320	2.286	2.257	2.279	2.99
49)	CARBON TETRACHLORIDE											
	2.320	2.445	2.497	2.385	2.605	2.596	2.619	2.595	2.562	2.514	4.31
50)	1,2-DICHLOROETHANE											
	1.108	1.296	1.393	1.321	1.419	1.394	1.403	1.378	1.365	1.342	7.17
51)	I 1,4-DIFLUOROBENZENE	----------	ISTD	----------								
52)	BENZENE											
	0.590	0.631	0.613	0.596	0.647	0.654	0.680	0.698	0.704	0.646	6.53
53)	CYCLOHEXANE											

		0.233	0.221	0.212	0.230	0.262	0.268	0.276	0.281	0.285	0.252	11.13
54)	2,3-DIMETHYLPENTANE											
		0.094	0.114	0.125	0.116	0.134	0.137	0.142	0.150	0.154	0.129	14.76
55)	TRICHLOROETHYLENE											
		0.326	0.308	0.306	0.323	0.337	0.337	0.360	0.397	0.407	0.345	10.59
56)	1,2-DICHLOROPROPANE											
		0.256	0.251	0.244	0.243	0.254	0.257	0.265	0.282	0.284	0.260	5.71
57)	DIBROMOMETHANE											
		0.390	0.352	0.354	0.317	0.337	0.347	0.375	0.422	0.445	0.371	11.13
58)	ETHYL ACRYLATE											
				0.272	0.306	0.451	0.470	0.487	0.497	0.496	0.426	22.41
59)	BROMODICHLOROMETHANE											
		0.571	0.566	0.588	0.559	0.605	0.609	0.633	0.670	0.683	0.609	7.35
60)	2,2,4-TRIMETHYLPENTANE											
		0.797	0.829	0.804	0.868	0.997	0.992	1.007	1.038	1.023	0.928	10.90
61)	1,4-DIOXANE											
			0.104	0.108	0.145	0.163	0.164	0.171	0.181	0.185	0.153	20.48
62)	HEPTANE											
		0.250	0.287	0.298	0.318	0.367	0.368	0.377	0.391	0.393	0.339	15.24
63)	METHYL METHACRYLATE											
			0.123	0.151	0.177	0.224	0.231	0.240	0.242	0.246	0.204	23.20
64)	METHYL ISOBUTYL KETONE											
				0.104	0.127	0.188	0.193	0.202	0.210	0.214	0.177	24.46
65)	cis-1,3-DICHLOROPROPENE											
		0.271	0.312	0.322	0.351	0.423	0.442	0.469	0.499	0.510	0.400	21.92
66)	TOLUENE											
		0.377	0.370	0.379	0.414	0.487	0.502	0.532	0.563	0.576	0.467	17.76
67)	1,3-DICHLOROPROPANE											
		0.286	0.341	0.358	0.378	0.419	0.419	0.429	0.435	0.440	0.390	13.48
68)	trans-1,3-DICHLOROPROPENE											
			0.289	0.285	0.303	0.393	0.415	0.447	0.474	0.486	0.387	21.61
69)	1,1,2-TRICHLOROETHANE											
		0.200	0.267	0.262	0.253	0.276	0.283	0.295	0.311	0.318	0.274	12.81
70)	I CHLOROBENZENE-D5	----------				ISTD	----------					
71)	2-HEXANONE											
				0.204	0.385	0.542	0.545	0.527	0.475	0.457	0.448	27.18
72)	ETHYL METHACRYLATE											
				0.443	0.569	0.819	0.809	0.771	0.687	0.655	0.679	20.27
73)	TETRACHLOROETHYLENE											
		0.708	0.734	0.726	0.730	0.734	0.720	0.701	0.653	0.640	0.705	4.98
74)	DIBROMOCHLOROMETHANE											
		1.062	1.206	1.262	1.232	1.378	1.356	1.308	1.184	1.134	1.236	8.33
75)	1,2-DIBROMOETHANE											
		0.805	0.873	0.931	0.953	1.033	1.008	0.963	0.869	0.842	0.920	8.39
76)	OCTANE											
		0.743	0.734	0.766	0.854	1.046	1.024	0.989	0.893	0.841	0.877	13.72
77)	1,1,1,2-TETRACHLOROETHANE											
		0.793	0.818	0.820	0.825	0.874	0.859	0.866	0.829	0.805	0.832	3.36
78)	CHLOROBENZENE											
		1.358	1.433	1.499	1.416	1.448	1.406	1.369	1.256	1.199	1.376	6.89
79)	ETHYLBENZENE											
		1.562	1.692	1.684	1.813	2.113	2.097	2.006	1.764	1.659	1.821	11.11
80)	m,p-XYLENE											
		0.554	0.598	0.643	0.738	0.871	0.853	0.822	0.756	0.733	0.730	15.35
81)	o-XYLENE											
		0.500	0.561	0.606	0.722	0.846	0.828	0.816	0.771	0.738	0.710	17.63
82)	STYRENE											
			0.719	0.769	0.890	1.253	1.258	1.222	1.100	1.066	1.035	20.94
83)	NONANE											

Initial Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2144-ICC2144
Lab FileID: 5W56002.D

```
          0.699 0.724 0.785 0.906 1.124 1.084 1.027 0.912 0.858   0.902   16.93
 84)  BROMOFORM
          1.027 1.057 1.156 1.208 1.364 1.353 1.315 1.218 1.176   1.208    9.98
 85)  4-BROMOFLUOROBENZENE
          1.274 1.279 1.295 1.292 1.273 1.211 1.104 0.958 0.916   1.178   12.68
 86)  1,1,2,2-TETRACHLOROETHANE
          1.204 1.402 1.411 1.418 1.491 1.435 1.391 1.267 1.175   1.355    8.18
 87)  1,2,3-TRICHLOROPROPANE
          0.913 0.995 1.000 1.022 1.025 0.967 0.896 0.788 0.755   0.929   10.79
 88)  ISOPROPYLBENZENE
          1.933 2.029 2.044 2.220 2.515 2.466 2.348 2.065 1.936   2.173   10.26
 89)  BROMOBENZENE
          1.022 1.172 1.154 1.166 1.238 1.188 1.121 1.007 0.963   1.115    8.48
 90)  2-CHLOROTOLUENE
                0.496 0.513 0.576 0.690 0.676 0.655 0.602 0.594   0.600   11.93
 91)  n-PROPYLBENZENE
          0.448 0.447 0.481 0.588 0.713 0.692 0.658 0.599 0.582   0.579   17.48
 92)  4-ETHYLTOLUENE
                1.603 1.702 2.003 2.544 2.437 2.321 2.003 1.853   2.058   16.74
 93)  1,3,5-TRIMETHYLBENZENE
          1.268 1.397 1.511 1.791 2.084 2.012 1.915 1.686 1.572   1.693   16.57
 94)  ALPHA-METHYLSTYRENE
                0.607 0.636 0.818 1.106 1.098 1.065 0.976 0.947   0.907   22.01
 95)  tert-BUTYLBENZENE
                0.296 0.309 0.377 0.473 0.474 0.483 0.463 0.446   0.415   18.56
 96)  1,2,4-TRIMETHYLBENZENE
                1.362 1.466 1.875 2.218 2.169 2.131 1.853 1.673   1.843   17.55
 97)  m-DICHLOROBENZENE
          1.403 1.370 1.449 1.615 1.722 1.681 1.653 1.492 1.400   1.532    8.90
 98)  BENZYL CHLORIDE
                     1.410 1.571 2.053 2.060 2.049 1.825 1.654   1.803   14.67
 99)  p-DICHLOROBENZENE
          1.326 1.405 1.392 1.590 1.647 1.554 1.482 1.319 1.245   1.440    9.49
100)  sec-BUTYLBENZENE
                0.381 0.418 0.492 0.593 0.567 0.541 0.498 0.481   0.496   14.41
101)  1,2,3-TRIMETHYLBENZENE
          1.312 1.441 1.556 1.930 2.235 2.172 2.087 1.870 1.720   1.814   18.12
102)  p-ISOPROPYLTOLUENE
                0.412 0.487 0.607 0.691 0.666 0.651 0.612 0.585   0.589   16.06
103)  o-DICHLOROBENZENE
          1.313 1.326 1.389 1.616 1.573 1.493 1.412 1.263 1.200   1.398   10.02
104)  n-BUTYLBENZENE
                0.361 0.407 0.524 0.668 0.657 0.647 0.607 0.588   0.557   20.99
105)  HEXACHLOROETHANE
          0.838 0.941 0.934 0.967 1.124 1.100 1.117 1.022 0.941   0.998    9.91
106)  HEXACHLOROBUTADIENE
          1.315 1.202 1.218 1.278 1.408 1.431 1.538 1.424 1.306   1.347    8.23
107)  1,2,4-TRICHLOROBENZENE
          1.497 1.146 1.068 1.625 1.358 1.308 1.281 1.223 1.180   1.298   13.51
108)  NAPHTHALENE
          3.232 2.218 2.169 3.940 3.184 3.078 2.884 2.360 2.102   2.796   22.39

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
                     6.790 5.925 6.087 5.865 5.693 5.390 5.242   5.856    8.68
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M5w2144.M         Thu Jan 09 19:07:44 2025
```

Initial Calibration Verification

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2144-ICV2144
Lab FileID: 5W56014.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w56014.D Vial: 4
Acq On : 9 Jan 2025 3:42 pm Operator: thomash
Sample : icv2144-10 Inst : GCMS5W
Misc : MS88386,V5W2144,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Thu Jan 09 19:02:22 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	98	0.00	7.66
2	FREON 115		----------NA----------				
3	FREON 152A	0.708	0.652	7.9	97	0.00	3.53
4	CHLORODIFLUOROMETHANE	0.322	0.331	-2.8	96	0.00	3.56
5	CHLOROTRIFLUOROETHENE	1.640	1.648	-0.5	96	0.00	3.59
6	DICHLORODIFLUOROMETHANE	3.184	3.248	-2.0	97	0.00	3.64
7	PROPYLENE	0.801	0.777	3.0	95	0.00	3.58
8	1-CHLORO-1,1-DIFLUOROETHA	3.237	3.303	-2.0	97	0.00	3.74
9	FREON 114	4.146	4.305	-3.8	98	0.00	3.83
10	CHLOROMETHANE	0.436	0.426	2.3	97	0.00	3.75
11	VINYL CHLORIDE	1.475	1.488	-0.9	97	0.00	3.91
12	1,3-BUTADIENE	0.987	0.967	2.0	97	0.00	4.01
13	n-BUTANE	2.067	1.974	4.5	99	0.00	4.05
14	BROMOMETHANE	1.586	1.560	1.6	98	0.00	4.21
15	CHLOROETHANE	0.667	0.641	3.9	99	0.00	4.33
16	DICHLOROFLUOROMETHANE	3.230	3.276	-1.4	100	0.00	4.40
17	ACETONITRILE	1.201	1.220	-1.6	103	0.00	4.60
18	ACROLEIN	0.531	0.544	-2.4	102	0.00	4.70
19	FREON 123	3.489	3.421	1.9	96	0.00	4.71
20	FREON 123A	1.968	1.825	7.3	90	0.00	4.76
21	TRICHLOROFLUOROMETHANE	3.505	3.705	-5.7	106	0.00	4.92
22	ISOPROPYL ALCOHOL	1.852	1.809	2.3	102	0.00	5.01
23	ACETONE	0.596	0.564	5.4	100	0.00	4.80
24	PENTANE	0.937	0.897	4.3	98	0.00	5.21
25	IODOMETHANE	2.763	2.800	-1.3	96	0.00	5.40
26	1,1-DICHLOROETHYLENE	0.921	0.907	1.5	98	0.00	5.46
27	CARBON DISULFIDE	2.577	2.803	-8.8	104	0.00	5.83
28	ETHANOL	0.719	0.621	13.6	82	0.00	4.43
29	BROMOETHENE	1.502	1.509	-0.5	97	0.00	4.60
30	ACRYLONITRILE	0.559	0.534	4.5	100	0.00	5.19
31	METHYLENE CHLORIDE	0.906	0.877	3.2	101	0.00	5.57
32	3-CHLOROPROPENE	0.397	0.429	-8.1	98	0.00	5.67
33	FREON 113	1.711	1.724	-0.8	100	0.00	5.80
34	TRANS-1,2-DICHLOROETHYLEN	0.966	0.989	-2.4	100	0.00	6.43
35	TERTIARY BUTYL ALCOHOL	1.560	1.848	-18.5	109	0.00	5.52
36	METHYL TERTIARY BUTYL ETH	2.294	2.476	-7.9	98	0.00	6.69
37	TETRAHYDROFURAN	0.364	0.431	-18.4	99	0.00	8.23
38	HEXANE	1.303	1.338	-2.7	97	0.00	7.69
39	VINYL ACETATE	0.147	0.180	-22.4	102	0.00	6.79
40	1,1-DICHLOROETHANE	1.648	1.660	-0.7	98	0.00	6.63
41	METHYL ETHYL KETONE	0.369	0.427	-15.7	97	0.00	7.04
42	cis-1,2-DICHLOROETHYLENE	1.050	1.019	3.0	98	0.00	7.48

Initial Calibration Verification

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2144-ICV2144
Lab FileID: 5W56014.D

43		DIISOPROPYL ETHER	0.390	0.407	-4.4	97	0.00	7.70
44		ETHYL ACETATE	0.278	0.308	-10.8	98	0.00	7.73
45		METHYL ACRYLATE	1.553	1.716	-10.5	99	0.00	7.72
46		CHLOROFORM	2.200	2.262	-2.8	101	0.00	7.80
47		2,4-DIMETHYLPENTANE	1.404	1.548	-10.3	98	0.00	8.65
48		1,1,1-TRICHLOROETHANE	2.279	2.361	-3.6	100	0.00	8.86
49		CARBON TETRACHLORIDE	2.514	2.577	-2.5	97	0.00	9.55
50		1,2-DICHLOROETHANE	1.342	1.398	-4.2	98	0.00	8.59
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	9.82
52		BENZENE	0.646	0.658	-1.9	99	0.00	9.38
53		CYCLOHEXANE	0.252	0.265	-5.2	97	0.00	9.69
54		2,3-DIMETHYLPENTANE	0.129	0.135	-4.7	97	0.00	9.99
55		TRICHLOROETHYLENE	0.345	0.337	2.3	98	0.00	10.64
56		1,2-DICHLOROPROPANE	0.260	0.257	1.2	98	0.00	10.35
57		DIBROMOMETHANE	0.371	0.352	5.1	100	0.00	10.32
58		ETHYL ACRYLATE	0.426	0.475	-11.5	99	0.00	10.40
59		BROMODICHLOROMETHANE	0.609	0.614	-0.8	99	0.00	10.59
60		2,2,4-TRIMETHYLPENTANE	0.928	0.980	-5.6	97	0.00	10.67
61		1,4-DIOXANE	0.153	0.158	-3.3	95	0.00	10.66
62		HEPTANE	0.339	0.363	-7.1	97	0.00	11.02
63		METHYL METHACRYLATE	0.204	0.233	-14.2	99	0.00	10.92
64		METHYL ISOBUTYL KETONE	0.177	0.194	-9.6	99	0.00	11.78
65		cis-1,3-DICHLOROPROPENE	0.400	0.415	-3.7	92	0.00	11.72
66		TOLUENE	0.467	0.500	-7.1	98	0.00	12.95
67		1,3-DICHLOROPROPANE	0.390	0.427	-9.5	100	0.00	13.00
68		trans-1,3-DICHLOROPROPENE	0.387	0.416	-7.5	99	0.00	12.40
69		1,1,2-TRICHLOROETHANE	0.274	0.287	-4.7	100	0.00	12.60
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	15.34
71		2-HEXANONE	0.448	0.548	-22.3	99	0.00	13.35
72		ETHYL METHACRYLATE	0.679	0.836	-23.1	102	0.00	13.38
73		TETRACHLOROETHYLENE	0.705	0.732	-3.8	100	0.00	14.46
74		DIBROMOCHLOROMETHANE	1.236	1.384	-12.0	100	0.00	13.50
75		1,2-DIBROMOETHANE	0.920	1.021	-11.0	100	0.00	13.82
76		OCTANE	0.877	1.021	-16.4	98	0.00	14.32
77		1,1,1,2-TETRACHLOROETHANE	0.832	0.869	-4.4	100	0.00	15.38
78		CHLOROBENZENE	1.376	1.412	-2.6	99	0.00	15.40
79		ETHYLBENZENE	1.821	2.111	-15.9	99	0.00	15.95
80		m,p-XYLENE	0.730	0.858	-17.5	99	0.00	16.23
81		o-XYLENE	0.710	0.833	-17.3	99	0.00	16.89
82		STYRENE	1.035	1.239	-19.7	97	0.00	16.74
83		NONANE	0.902	1.082	-20.0	98	0.00	17.30
84		BROMOFORM	1.208	1.359	-12.5	99	0.00	16.28
85	S	4-BROMOFLUOROBENZENE	1.178	1.218	-3.4	99	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.355	1.488	-9.8	102	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.929	1.003	-8.0	102	0.00	17.09
88		ISOPROPYLBENZENE	2.173	2.504	-15.2	100	0.00	17.81
89		BROMOBENZENE	1.115	1.234	-10.7	102	0.00	17.90
90		2-CHLOROTOLUENE	0.600	0.703	-17.2	102	0.00	18.54
91		n-PROPYLBENZENE	0.579	0.703	-21.4	100	0.00	18.63
92		4-ETHYLTOLUENE	2.058	2.452	-19.1	99	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.693	2.044	-20.7	100	0.00	19.00
94		ALPHA-METHYLSTYRENE	0.907	1.079	-19.0	97	0.00	19.25
95		tert-BUTYLBENZENE	0.415	0.490	-18.1	102	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.843	2.221	-20.5	101	0.00	19.62
97		m-DICHLOROBENZENE	1.532	1.754	-14.5	103	0.00	19.81
98		BENZYL CHLORIDE	1.803	2.284	-26.7	109	0.00	19.81
99		p-DICHLOROBENZENE	1.440	1.599	-11.0	101	0.00	19.92
100		sec-BUTYLBENZENE	0.496	0.585	-17.9	102	0.00	20.01

Initial Calibration Verification

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2144-ICV2144
Lab FileID: 5W56014.D

101		1,2,3-TRIMETHYLBENZENE	1.814	2.235	-23.2	101	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.589	0.700	-18.8	103	0.00	20.26
103		o-DICHLOROBENZENE	1.398	1.543	-10.4	102	0.00	20.40
104		n-BUTYLBENZENE	0.557	0.673	-20.8	101	0.00	20.85
105		HEXACHLOROETHANE	0.998	1.043	-4.5	93	0.00	21.31
106		HEXACHLOROBUTADIENE	1.347	1.507	-11.9	104	-0.02	23.35
107		1,2,4-TRICHLOROBENZENE	1.298	1.409	-8.6	106	-0.01	23.21
108		NAPHTHALENE	2.796	3.506	-25.4	112	-0.02	22.87
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	98	0.00	7.66
110		TVHC as equiv Pentane	5.856	5.722	2.3	96	0.00	5.21

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w56002.D M5w2144.M Thu Jan 09 19:07:14 2025

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2171-CC2144
Lab FileID: 5W56672.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w56672.D Vial: 1
Acq On : 6 Feb 2025 12:46 pm Operator: thomash
Sample : cc2144-10 Inst : GCMS5W
Misc : MS89333,V5W2171,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Thu Jan 09 19:02:22 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	94	0.00	7.65
2	FREON 115		----------NA----------				
3	FREON 152A	0.708	0.650	8.2	93	0.00	3.53
4	CHLORODIFLUOROMETHANE	0.322	0.345	-7.1	97	0.00	3.56
5	CHLOROTRIFLUOROETHENE	1.640	1.790	-9.1	100	0.00	3.59
6	DICHLORODIFLUOROMETHANE	3.184	3.579	-12.4	102	0.00	3.63
7	PROPYLENE	0.801	0.772	3.6	91	0.00	3.58
8	1-CHLORO-1,1-DIFLUOROETHA	3.237	3.367	-4.0	95	0.00	3.74
9	FREON 114	4.146	3.939	5.0	86	0.00	3.82
10	CHLOROMETHANE	0.436	0.341	21.8	74	0.00	3.75
11	VINYL CHLORIDE	1.475	1.213	17.8	76	0.00	3.91
12	1,3-BUTADIENE	0.987	0.756	23.4	73	0.00	4.00
13	n-BUTANE	2.067	1.542	25.4	74	0.00	4.04
14	BROMOMETHANE	1.586	1.428	10.0	86	0.00	4.21
15	CHLOROETHANE	0.667	0.511	23.4	76	0.00	4.33
16	DICHLOROFLUOROMETHANE	3.230	2.992	7.4	88	0.00	4.40
17	ACETONITRILE	1.201	0.914	23.9	74	0.00	4.60
18	ACROLEIN	0.531	0.423	20.3	77	0.00	4.69
19	FREON 123	3.489	3.181	8.8	86	0.00	4.71
20	FREON 123A	1.968	1.914	2.7	91	0.00	4.75
21	TRICHLOROFLUOROMETHANE	3.505	4.652	-32.7#	128	0.00	4.92
22	ISOPROPYL ALCOHOL	1.852	1.958	-5.7	106	0.00	5.00
23	ACETONE	0.596	0.468	21.5	79	0.00	4.80
24	PENTANE	0.937	0.855	8.8	90	0.00	5.20
25	IODOMETHANE	2.763	3.009	-8.9	100	0.00	5.39
26	1,1-DICHLOROETHYLENE	0.921	0.967	-5.0	100	0.00	5.45
27	CARBON DISULFIDE	2.577	2.769	-7.5	99	0.00	5.83
28	ETHANOL	0.719	0.541	24.8	69	0.00	4.43
29	BROMOETHENE	1.502	1.370	8.8	85	0.00	4.60
30	ACRYLONITRILE	0.559	0.499	10.7	89	0.00	5.18
31	METHYLENE CHLORIDE	0.906	0.878	3.1	97	0.00	5.56
32	3-CHLOROPROPENE	0.397	0.435	-9.6	95	0.00	5.67
33	FREON 113	1.711	1.619	5.4	90	0.00	5.80
34	TRANS-1,2-DICHLOROETHYLEN	0.966	0.998	-3.3	96	0.00	6.43
35	TERTIARY BUTYL ALCOHOL	1.560	1.642	-5.3	93	0.00	5.52
36	METHYL TERTIARY BUTYL ETH	2.294	2.373	-3.4	90	0.00	6.68
37	TETRAHYDROFURAN	0.364	0.407	-11.8	90	0.00	8.21
38	HEXANE	1.303	1.262	3.1	88	0.00	7.68
39	VINYL ACETATE	0.147	0.170	-15.6	92	0.00	6.78
40	1,1-DICHLOROETHANE	1.648	1.623	1.5	92	0.00	6.62
41	METHYL ETHYL KETONE	0.369	0.415	-12.5	91	0.00	7.03
42	cis-1,2-DICHLOROETHYLENE	1.050	1.065	-1.4	98	0.00	7.47

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Sample: V5W2171-CC2144
Lab FileID: 5W56672.D

43		DIISOPROPYL ETHER	0.390	0.385	1.3	88	0.00	7.69
44		ETHYL ACETATE	0.278	0.280	-0.7	86	0.00	7.72
45		METHYL ACRYLATE	1.553	1.635	-5.3	91	0.00	7.71
46		CHLOROFORM	2.200	2.335	-6.1	100	0.00	7.79
47		2,4-DIMETHYLPENTANE	1.404	1.448	-3.1	88	0.00	8.64
48		1,1,1-TRICHLOROETHANE	2.279	2.496	-9.5	102	0.00	8.86
49		CARBON TETRACHLORIDE	2.514	2.849	-13.3	103	-0.01	9.54
50		1,2-DICHLOROETHANE	1.342	1.418	-5.7	96	0.00	8.59
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	9.82
52		BENZENE	0.646	0.619	4.2	93	0.00	9.38
53		CYCLOHEXANE	0.252	0.245	2.8	89	0.00	9.68
54		2,3-DIMETHYLPENTANE	0.129	0.123	4.7	88	0.00	9.98
55		TRICHLOROETHYLENE	0.345	0.344	0.3	100	0.00	10.63
56		1,2-DICHLOROPROPANE	0.260	0.238	8.5	91	0.00	10.34
57		DIBROMOMETHANE	0.371	0.269	27.5	76	0.00	10.32
58		ETHYL ACRYLATE	0.426	0.435	-2.1	91	0.00	10.39
59		BROMODICHLOROMETHANE	0.609	0.631	-3.6	102	0.00	10.59
60		2,2,4-TRIMETHYLPENTANE	0.928	0.891	4.0	88	0.00	10.67
61		1,4-DIOXANE	0.153	0.160	-4.6	95	0.00	10.65
62		HEPTANE	0.339	0.328	3.2	87	0.00	11.01
63		METHYL METHACRYLATE	0.204	0.218	-6.9	92	0.00	10.92
64		METHYL ISOBUTYL KETONE	0.177	0.174	1.7	88	0.00	11.77
65		cis-1,3-DICHLOROPROPENE	0.400	0.416	-4.0	92	0.00	11.71
66		TOLUENE	0.467	0.475	-1.7	93	0.00	12.94
67		1,3-DICHLOROPROPANE	0.390	0.407	-4.4	95	0.00	12.99
68		trans-1,3-DICHLOROPROPENE	0.387	0.399	-3.1	94	0.00	12.39
69		1,1,2-TRICHLOROETHANE	0.274	0.275	-0.4	95	0.00	12.59
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	99	0.00	15.33
71		2-HEXANONE	0.448	0.477	-6.5	86	0.00	13.34
72		ETHYL METHACRYLATE	0.679	0.745	-9.7	91	-0.01	13.37
73		TETRACHLOROETHYLENE	0.705	0.605	14.2	83	0.00	14.45
74		DIBROMOCHLOROMETHANE	1.236	1.414	-14.4	103	0.00	13.49
75		1,2-DIBROMOETHANE	0.920	1.045	-13.6	102	0.00	13.81
76		OCTANE	0.877	0.909	-3.6	87	0.00	14.31
77		1,1,1,2-TETRACHLOROETHANE	0.832	0.865	-4.0	99	0.00	15.38
78		CHLOROBENZENE	1.376	1.366	0.7	96	-0.01	15.39
79		ETHYLBENZENE	1.821	2.009	-10.3	94	0.00	15.95
80		m,p-XYLENE	0.730	0.846	-15.9	98	0.00	16.22
81		o-XYLENE	0.710	0.835	-17.6	99	0.00	16.89
82		STYRENE	1.035	1.243	-20.1	97	-0.01	16.74
83		NONANE	0.902	1.013	-12.3	92	0.00	17.30
84		BROMOFORM	1.208	1.169	3.2	85	0.00	16.28
85	S	4-BROMOFLUOROBENZENE	1.178	1.306	-10.9	106	0.00	17.58
86		1,1,2,2-TETRACHLOROETHANE	1.355	1.484	-9.5	102	0.00	16.89
87		1,2,3-TRICHLOROPROPANE	0.929	0.955	-2.8	97	0.00	17.08
88		ISOPROPYLBENZENE	2.173	2.455	-13.0	98	0.00	17.80
89		BROMOBENZENE	1.115	1.185	-6.3	98	-0.01	17.89
90		2-CHLOROTOLUENE	0.600	0.707	-17.8	103	0.00	18.53
91		n-PROPYLBENZENE	0.579	0.719	-24.2	102	0.00	18.63
92		4-ETHYLTOLUENE	2.058	2.447	-18.9	99	-0.01	18.86
93		1,3,5-TRIMETHYLBENZENE	1.693	2.041	-20.6	100	0.00	19.00
94		ALPHA-METHYLSTYRENE	0.907	1.144	-26.1	103	0.00	19.24
95		tert-BUTYLBENZENE	0.415	0.471	-13.5	98	0.00	19.60
96		1,2,4-TRIMETHYLBENZENE	1.843	2.232	-21.1	101	0.00	19.62
97		m-DICHLOROBENZENE	1.532	1.675	-9.3	98	0.00	19.81
98		BENZYL CHLORIDE	1.803	2.204	-22.2	105	0.00	19.80
99		p-DICHLOROBENZENE	1.440	1.582	-9.9	100	0.00	19.91
100		sec-BUTYLBENZENE	0.496	0.591	-19.2	103	0.00	20.01

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2171-CC2144
Lab FileID: 5W56672.D

101		1,2,3-TRIMETHYLBENZENE	1.814	2.270	-25.1	103	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.589	0.700	-18.8	104	0.00	20.25
103		o-DICHLOROBENZENE	1.398	1.512	-8.2	100	0.00	20.39
104		n-BUTYLBENZENE	0.557	0.673	-20.8	101	0.00	20.85
105		HEXACHLOROETHANE	0.998	1.265	-26.8	113	-0.01	21.31
106		HEXACHLOROBUTADIENE	1.347	0.996	26.1	69	-0.02	23.34
107		1,2,4-TRICHLOROBENZENE	1.298	1.139	12.2	86	-0.02	23.20
108		NAPHTHALENE	2.796	3.563	-27.4	114	-0.02	22.86
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	94	0.00	7.65
110		TVHC as equiv Pentane	5.856	5.642	3.7	91	0.00	5.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w56002.D M5w2144.M Thu Feb 06 17:24:54 2025

6.9.3

6

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2179-CC2144
Lab FileID: 5W56864.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...425\v5w2179\5w56864.D Vial: 1
Acq On : 13 Feb 2025 5:09 pm Operator: thomash
Sample : cc2144-10 Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Thu Jan 09 19:02:22 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	105	0.00	7.64
2	FREON 115		----------NA----------				
3	FREON 152A	0.708	0.666	5.9	106	0.00	3.53
4	CHLORODIFLUOROMETHANE	0.322	0.361	-12.1	112	0.00	3.56
5	CHLOROTRIFLUOROETHENE	1.640	1.803	-9.9	112	0.00	3.59
6	DICHLORODIFLUOROMETHANE	3.184	3.670	-15.3	116	0.00	3.64
7	PROPYLENE	0.801	0.817	-2.0	107	0.00	3.58
8	1-CHLORO-1,1-DIFLUOROETHA	3.237	3.503	-8.2	110	0.00	3.74
9	FREON 114	4.146	4.019	3.1	98	0.00	3.82
10	CHLOROMETHANE	0.436	0.330	24.3	80	0.00	3.75
11	VINYL CHLORIDE	1.475	1.164	21.1	81	0.00	3.91
12	1,3-BUTADIENE	0.987	0.750	24.0	80	0.00	4.00
13	n-BUTANE	2.067	1.484	28.2	79	0.00	4.04
14	BROMOMETHANE	1.586	1.387	12.5	93	0.00	4.21
15	CHLOROETHANE	0.667	0.482	27.7	79	0.00	4.33
16	DICHLOROFLUOROMETHANE	3.230	3.059	5.3	99	0.00	4.40
17	ACETONITRILE	1.201	0.801	33.3#	72	0.00	4.59
18	ACROLEIN	0.531	0.379	28.6	76	0.00	4.69
19	FREON 123	3.489	3.097	11.2	92	0.00	4.71
20	FREON 123A	1.968	1.911	2.9	101	0.00	4.75
21	TRICHLOROFLUOROMETHANE	3.505	5.022	-43.3#	154#	0.00	4.92
22	ISOPROPYL ALCOHOL	1.852	1.882	-1.6	114	0.00	5.00
23	ACETONE	0.596	0.442	25.8	83	0.00	4.79
24	PENTANE	0.937	0.903	3.6	105	0.00	5.20
25	IODOMETHANE	2.763	3.039	-10.0	112	0.00	5.39
26	1,1-DICHLOROETHYLENE	0.921	0.997	-8.3	115	0.00	5.45
27	CARBON DISULFIDE	2.577	2.831	-9.9	112	0.00	5.83
28	ETHANOL	0.719	0.644	10.4	91	0.00	4.43
29	BROMOETHENE	1.502	1.323	11.9	91	0.00	4.59
30	ACRYLONITRILE	0.559	0.529	5.4	105	0.00	5.17
31	METHYLENE CHLORIDE	0.906	0.899	0.8	110	0.00	5.56
32	3-CHLOROPROPENE	0.397	0.451	-13.6	110	0.00	5.67
33	FREON 113	1.711	1.621	5.3	100	0.00	5.79
34	TRANS-1,2-DICHLOROETHYLEN	0.966	1.013	-4.9	109	0.00	6.43
35	TERTIARY BUTYL ALCOHOL	1.560	1.734	-11.2	109	0.00	5.52
36	METHYL TERTIARY BUTYL ETH	2.294	2.560	-11.6	108	0.00	6.68
37	TETRAHYDROFURAN	0.364	0.424	-16.5	104	0.00	8.21
38	HEXANE	1.303	1.340	-2.8	103	0.00	7.68
39	VINYL ACETATE	0.147	0.178	-21.1	107	0.00	6.78
40	1,1-DICHLOROETHANE	1.648	1.722	-4.5	108	0.00	6.62
41	METHYL ETHYL KETONE	0.369	0.437	-18.4	106	0.00	7.03
42	cis-1,2-DICHLOROETHYLENE	1.050	1.093	-4.1	112	0.00	7.47

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY
Sample: V5W2179-CC2144
Lab FileID: 5W56864.D

43		DIISOPROPYL ETHER	0.390	0.399	-2.3	102	0.00	7.69
44		ETHYL ACETATE	0.278	0.293	-5.4	100	0.00	7.72
45		METHYL ACRYLATE	1.553	1.691	-8.9	104	0.00	7.71
46		CHLOROFORM	2.200	2.415	-9.8	115	0.00	7.79
47		2,4-DIMETHYLPENTANE	1.404	1.505	-7.2	101	0.00	8.64
48		1,1,1-TRICHLOROETHANE	2.279	2.608	-14.4	118	-0.01	8.85
49		CARBON TETRACHLORIDE	2.514	3.039	-20.9	122	-0.01	9.54
50		1,2-DICHLOROETHANE	1.342	1.523	-13.5	114	0.00	8.58
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	110	0.00	9.82
52		BENZENE	0.646	0.629	2.6	106	0.00	9.38
53		CYCLOHEXANE	0.252	0.252	0.0	104	0.00	9.68
54		2,3-DIMETHYLPENTANE	0.129	0.130	-0.8	105	0.00	9.98
55		TRICHLOROETHYLENE	0.345	0.349	-1.2	114	0.00	10.63
56		1,2-DICHLOROPROPANE	0.260	0.246	5.4	105	-0.01	10.34
57		DIBROMOMETHANE	0.371	0.277	25.3	88	-0.01	10.31
58		ETHYL ACRYLATE	0.426	0.437	-2.6	103	0.00	10.39
59		BROMODICHLOROMETHANE	0.609	0.641	-5.3	116	-0.01	10.58
60		2,2,4-TRIMETHYLPENTANE	0.928	0.938	-1.1	104	-0.01	10.66
61		1,4-DIOXANE	0.153	0.156	-2.0	105	0.00	10.65
62		HEPTANE	0.339	0.342	-0.9	103	0.00	11.01
63		METHYL METHACRYLATE	0.204	0.220	-7.8	105	0.00	10.92
64		METHYL ISOBUTYL KETONE	0.177	0.183	-3.4	104	0.00	11.77
65		cis-1,3-DICHLOROPROPENE	0.400	0.435	-8.7	108	0.00	11.71
66		TOLUENE	0.467	0.490	-4.9	107	0.00	12.94
67		1,3-DICHLOROPROPANE	0.390	0.417	-6.9	110	0.00	12.99
68		trans-1,3-DICHLOROPROPENE	0.387	0.410	-5.9	109	0.00	12.39
69		1,1,2-TRICHLOROETHANE	0.274	0.277	-1.1	108	0.00	12.59
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	112	-0.01	15.33
71		2-HEXANONE	0.448	0.497	-10.9	102	0.00	13.34
72		ETHYL METHACRYLATE	0.679	0.764	-12.5	106	-0.01	13.37
73		TETRACHLOROETHYLENE	0.705	0.620	12.1	96	0.00	14.45
74		DIBROMOCHLOROMETHANE	1.236	1.478	-19.6	122	0.00	13.49
75		1,2-DIBROMOETHANE	0.920	1.051	-14.2	117	-0.01	13.81
76		OCTANE	0.877	0.945	-7.8	103	0.00	14.31
77		1,1,1,2-TETRACHLOROETHANE	0.832	0.891	-7.1	116	-0.01	15.37
78		CHLOROBENZENE	1.376	1.403	-2.0	112	-0.01	15.39
79		ETHYLBENZENE	1.821	2.043	-12.2	109	-0.01	15.94
80		m,p-XYLENE	0.730	0.889	-21.8	116	0.00	16.22
81		o-XYLENE	0.710	0.887	-24.9	120	0.00	16.89
82		STYRENE	1.035	1.290	-24.6	115	-0.01	16.74
83		NONANE	0.902	1.067	-18.3	110	0.00	17.30
84		BROMOFORM	1.208	1.221	-1.1	101	0.00	16.28
85	S	4-BROMOFLUOROBENZENE	1.178	1.314	-11.5	121	0.00	17.58
86		1,1,2,2-TETRACHLOROETHANE	1.355	1.512	-11.6	118	-0.01	16.89
87		1,2,3-TRICHLOROPROPANE	0.929	0.999	-7.5	115	-0.01	17.08
88		ISOPROPYLBENZENE	2.173	2.562	-17.9	116	0.00	17.80
89		BROMOBENZENE	1.115	1.203	-7.9	113	-0.01	17.89
90		2-CHLOROTOLUENE	0.600	0.748	-24.7	124	0.00	18.53
91		n-PROPYLBENZENE	0.579	0.756	-30.6#	122	-0.01	18.62
92		4-ETHYLTOLUENE	2.058	2.532	-23.0	116	-0.01	18.86
93		1,3,5-TRIMETHYLBENZENE	1.693	2.092	-23.6	116	0.00	19.00
94		ALPHA-METHYLSTYRENE	0.907	1.168	-28.8	119	0.00	19.24
95		tert-BUTYLBENZENE	0.415	0.506	-21.9	119	-0.01	19.60
96		1,2,4-TRIMETHYLBENZENE	1.843	2.318	-25.8	119	-0.01	19.61
97		m-DICHLOROBENZENE	1.532	1.732	-13.1	115	0.00	19.81
98		BENZYL CHLORIDE	1.803	2.285	-26.7	124	0.00	19.80
99		p-DICHLOROBENZENE	1.440	1.629	-13.1	117	0.00	19.91
100		sec-BUTYLBENZENE	0.496	0.624	-25.8	123	-0.01	20.00

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: V5W2179-CC2144
Lab FileID: 5W56864.D

101		1,2,3-TRIMETHYLBENZENE	1.814	2.345	-29.3	121	-0.01	20.22
102		p-ISOPROPYLTOLUENE	0.589	0.736	-25.0	123	-0.01	20.25
103		o-DICHLOROBENZENE	1.398	1.582	-13.2	118	0.00	20.39
104		n-BUTYLBENZENE	0.557	0.705	-26.6	120	-0.01	20.84
105		HEXACHLOROETHANE	0.998	1.381	-38.4#	140#	-0.01	21.31
106		HEXACHLOROBUTADIENE	1.347	1.031	23.5	81	-0.01	23.35
107		1,2,4-TRICHLOROBENZENE	1.298	1.119	13.8	96	0.00	23.21
108		NAPHTHALENE	2.796	3.458	-23.7	126	0.00	22.88
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	105	0.00	7.64
110		TVHC as equiv Pentane	5.856	5.900	-0.8	105	0.00	5.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0

5w56002.D M5w2144.M Fri Feb 14 11:38:12 2025

Run Sequence Report

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V5W2144	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2144-BFB	5W55993.D	01/08/25 23:56	n/a	BFB Tune
V5W2144-IC2144	5W55994.D	01/09/25 00:36	n/a	Initial cal 0.04
V5W2144-IC2144	5W55995.D	01/09/25 01:16	n/a	Initial cal 0.1
V5W2144-IC2144	5W55996.D	01/09/25 01:59	n/a	Initial cal 0.2
V5W2144-IC2144	5W56001.D	01/09/25 05:39	n/a	Initial cal 5
V5W2144-ICC2144	5W56002.D	01/09/25 06:20	n/a	Initial cal 10
V5W2144-IC2144	5W56003.D	01/09/25 07:03	n/a	Initial cal 20
V5W2144-IC2144	5W56004.D	01/09/25 07:49	n/a	Initial cal 40
V5W2144-IC2144	5W56005.D	01/09/25 08:36	n/a	Initial cal 50
V5W2144-IC2144	5W56013.D	01/09/25 15:02	n/a	Initial cal 0.5
V5W2144-ICV2144	5W56014.D	01/09/25 15:42	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V5W2171	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2171-BFB	5W56671.D	02/06/25 12:05	n/a	BFB Tune
V5W2171-CC2144	5W56672.D	02/06/25 12:46	n/a	Continuing cal 10
V5W2171-BS	5W56673.D	02/06/25 14:21	n/a	Blank Spike
V5W2171-BSD	5W56674.D	02/06/25 15:01	n/a	Blank Spike Duplicate
V5W2171-MB	5W56677.D	02/06/25 17:54	n/a	Method Blank
V5W2171-SCC	5W56678.D	02/06/25 18:44	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56679.D	02/06/25 19:31	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56680.D	02/06/25 20:17	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56681.D	02/06/25 21:03	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56682.D	02/06/25 21:49	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56683.D	02/06/25 22:35	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56684.D	02/06/25 23:21	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56685.D	02/07/25 00:07	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56686.D	02/07/25 00:53	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56687.D	02/07/25 01:39	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56688.D	02/07/25 02:25	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56690.D	02/07/25 03:58	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56691.D	02/07/25 04:44	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56692.D	02/07/25 05:30	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56693.D	02/07/25 06:16	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56694.D	02/07/25 07:03	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56695.D	02/07/25 07:49	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56696.D	02/07/25 08:36	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56697.D	02/07/25 09:22	n/a	Summa Cleaning Certification
V5W2171-SCC	5W56698.D	02/07/25 10:08	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: V5W2179	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2179-BFB	5W56863.D	02/13/25 16:28	n/a	BFB Tune
V5W2179-CC2144	5W56864.D	02/13/25 17:09	n/a	Continuing cal 10
V5W2179-BS	5W56865.D	02/13/25 17:51	n/a	Blank Spike
V5W2179-BSD	5W56866.D	02/13/25 18:32	n/a	Blank Spike Duplicate
V5W2179-MB	5W56869.D	02/13/25 20:51	n/a	Method Blank
V5W2179-SCC	5W56871.D	02/13/25 22:23	n/a	Summa Cleaning Certification
V5W2179-SCC	5W56872.D	02/13/25 23:09	n/a	Summa Cleaning Certification
V5W2179-SCC	5W56873.D	02/13/25 23:55	n/a	Summa Cleaning Certification
V5W2179-SCC	5W56874.D	02/14/25 00:42	n/a	Summa Cleaning Certification
JE5543-1	5W56875.D	02/14/25 01:30	n/a	21125 AMBIENT
JE5543-2	5W56876.D	02/14/25 02:18	n/a	21125 VP-06 SOIL VAPOR
JE5543-2DUP	5W56877.D	02/14/25 03:05	n/a	Duplicate
JE5543-3	5W56878.D	02/14/25 03:53	n/a	21125 VP-06 INDOOR
JE5543-4	5W56879.D	02/14/25 04:43	n/a	21125 VP-07 SOIL VAPOR
JE5543-5	5W56880.D	02/14/25 05:32	n/a	21125 VP-07 INDOOR
ZZZZZZ	5W56881.D	02/14/25 06:13	n/a	(unrelated sample)
ZZZZZZ	5W56882.D	02/14/25 06:55	n/a	(unrelated sample)
ZZZZZZ	5W56883.D	02/14/25 07:38	n/a	(unrelated sample)
ZZZZZZ	5W56884.D	02/14/25 08:19	n/a	(unrelated sample)
ZZZZZZ	5W56885.D	02/14/25 09:01	n/a	(unrelated sample)
JE5543-1	5W56886.D	02/14/25 10:03	n/a	21125 AMBIENT
JE5543-3	5W56887.D	02/14/25 10:44	n/a	21125 VP-06 INDOOR
JE5543-4	5W56888.D	02/14/25 11:25	n/a	21125 VP-07 SOIL VAPOR
JE5543-5	5W56889.D	02/14/25 12:07	n/a	21125 VP-07 INDOOR

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56875.D
Acq On : 14 Feb 2025 1:30 am
Operator : thomash
Sample : je5543-1 Inst : GCMS5W
Misc : MS89637,V5W2179,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 15 03:20:33 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

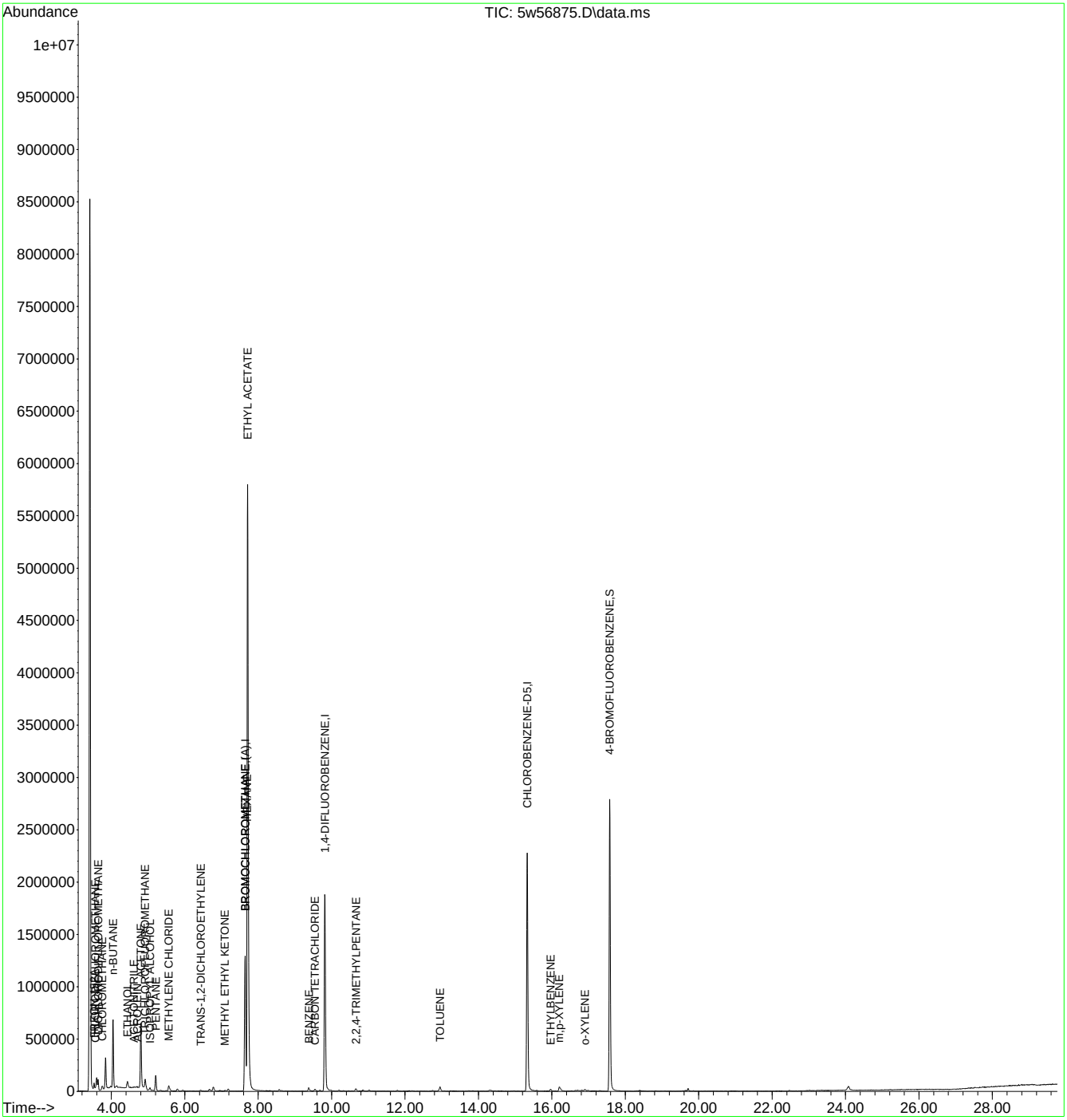
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.645	128	411912	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1865686	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.328	82	848040	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.645	128	411912	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.574	95	1160199	11.61	PPBV	-0.01
Spiked Amount 10.000	Range 65 - 128		Recovery = 116.10%			
Target Compounds						Qvalue
3) FREON 152A	3.527	65	23718	0.8128	PPBV	88
4) CHLORODIFLUOROMETHANE	3.558	67	5296	0.3994	PPBV	93
6) DICHLORODIFLUOROMETHANE	3.637	85	86960	0.6630	PPBV	98
10) CHLOROMETHANE	3.748	52	11147	0.6205	PPBV #	80
13) n-BUTANE	4.047	43	508755	5.9746	PPBV	98
17) ACETONITRILE	4.610	41	9435	0.1907	PPBV #	77
18) ACROLEIN	4.702	56	5578	0.2551	PPBV	86
21) TRICHLOROFLUOROMETHANE	4.916	101	61780	0.4279	PPBV	98
22) ISOPROPYL ALCOHOL	5.051	45	34763	0.4556	PPBV	73
23) ACETONE	4.800	58	83614	3.4084	PPBV #	14
24) PENTANE	5.210	42	66950	1.7354	PPBV	88
28) ETHANOL	4.439	45	81651	2.7562	PPBV	97
31) METHYLENE CHLORIDE	5.565	84	14199	0.3805	PPBV	99
34) TRANS-1,2-DICHLOROETHY...	6.433	96	4283	0.1077	PPBV #	75
38) HEXANE	7.694	57	18130	0.3377	PPBV #	11
41) METHYL ETHYL KETONE	7.088	72	2596	0.1709	PPBV #	13
44) ETHYL ACETATE	7.712	61	1127526	98.3309	PPBV #	78
49) CARBON TETRACHLORIDE	9.541	117	10054	0.0971	PPBV	88
52) BENZENE	9.382	78	32946	0.2735	PPBV	95
60) 2,2,4-TRIMETHYLPENTANE	10.667	57	18886	0.1090	PPBV	81
66) TOLUENE	12.955	92	23031	0.2645	PPBV	99
79) ETHYLBENZENE	15.965	91	18811	0.1218	PPBV #	88
80) m,p-XYLENE	16.197	106	23049	0.3724	PPBV #	69
81) o-XYLENE	16.901	106	7084	0.1177	PPBV	96

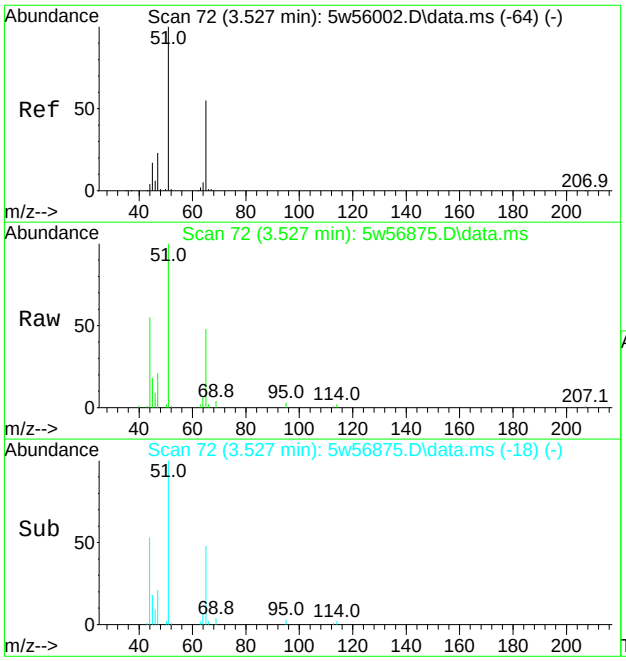
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56875.D
Acq On : 14 Feb 2025 1:30 am
Operator : thomash
Sample : je5543-1 Inst : GCMS5W
Misc : MS89637,V5W2179,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 15 03:20:33 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

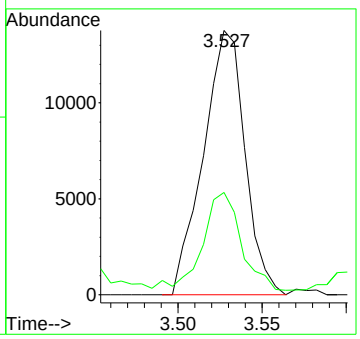


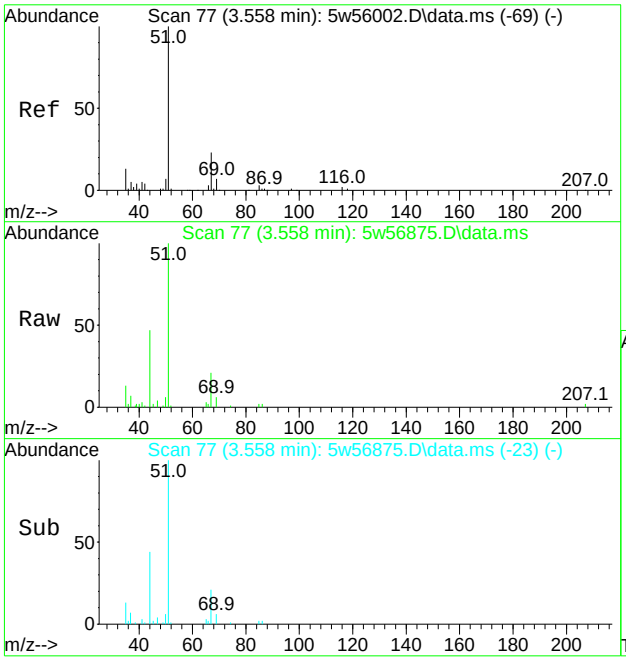


#3
FREON 152A
Concen: 0.8128 PPBV
RT: 3.527 min Scan# 72
Delta R.T. 0.000 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 65 Resp: 23718

Ion	Ratio	Lower	Upper
65	100		
45	37.7	1.3	61.3

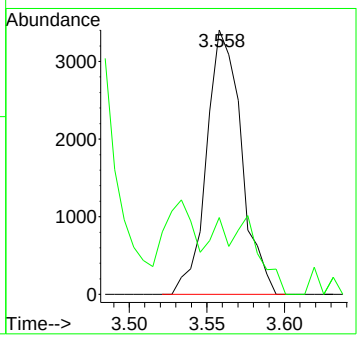


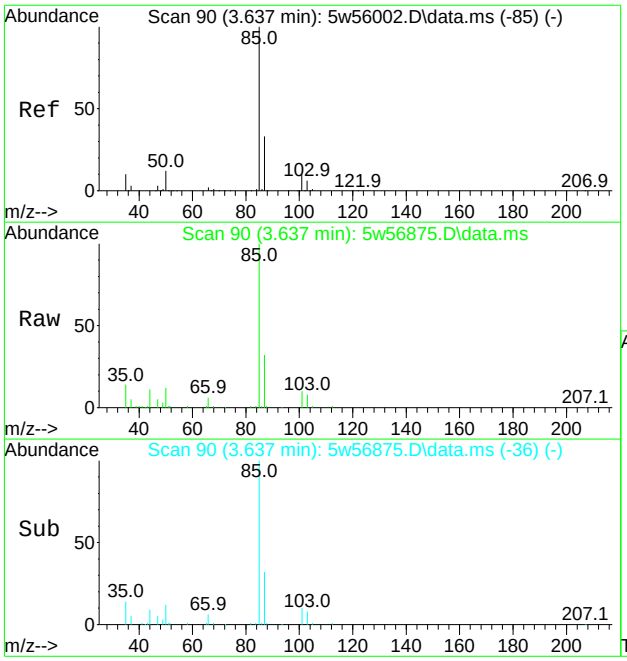


#4
CHLORODIFLUOROMETHANE
Concen: 0.3994 PPBV
RT: 3.558 min Scan# 77
Delta R.T. 0.000 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 67 Resp: 5296

Ion	Ratio	Lower	Upper
67	100		
69	29.1	2.8	62.8

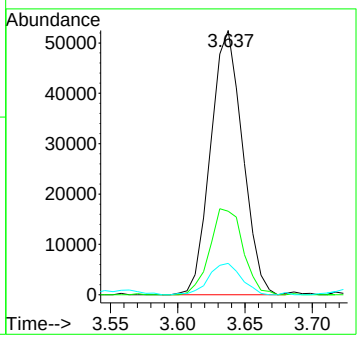


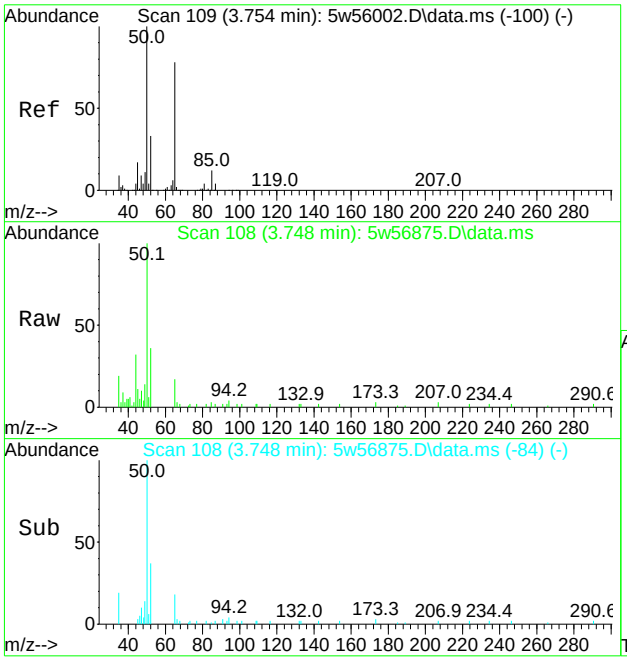


#6
DICHLORODIFLUOROMETHANE
Concen: 0.6630 PPBV
RT: 3.637 min Scan# 90
Delta R.T. 0.000 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 85 Resp: 86960

Ion	Ratio	Lower	Upper
85	100		
87	33.7	2.7	62.7
50	12.1	0.0	42.5

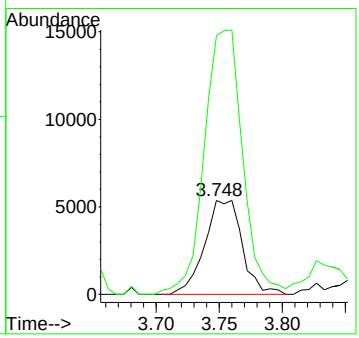


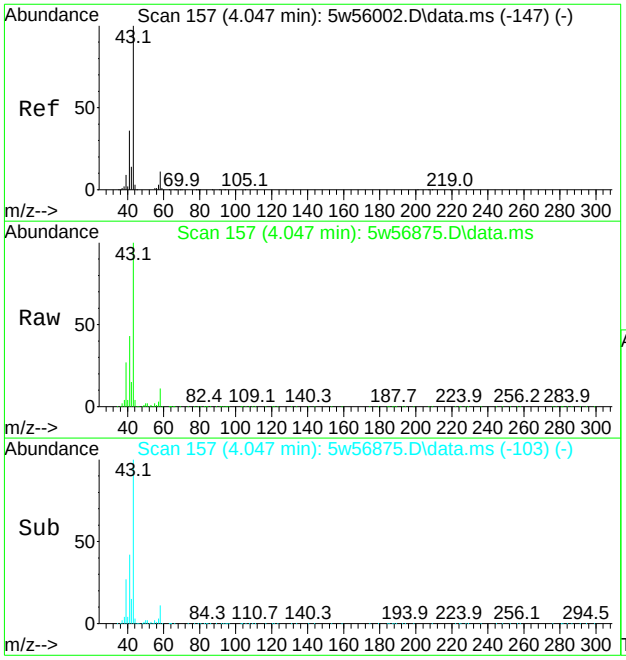


#10
CHLOROMETHANE
Concen: 0.6205 PPBV
RT: 3.748 min Scan# 108
Delta R.T. -0.006 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 52 Resp: 11147

Ion	Ratio	Lower	Upper
52	100		
50	268.1	277.5	337.5#

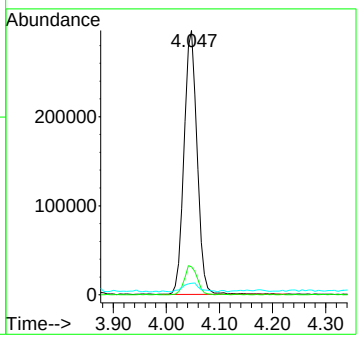


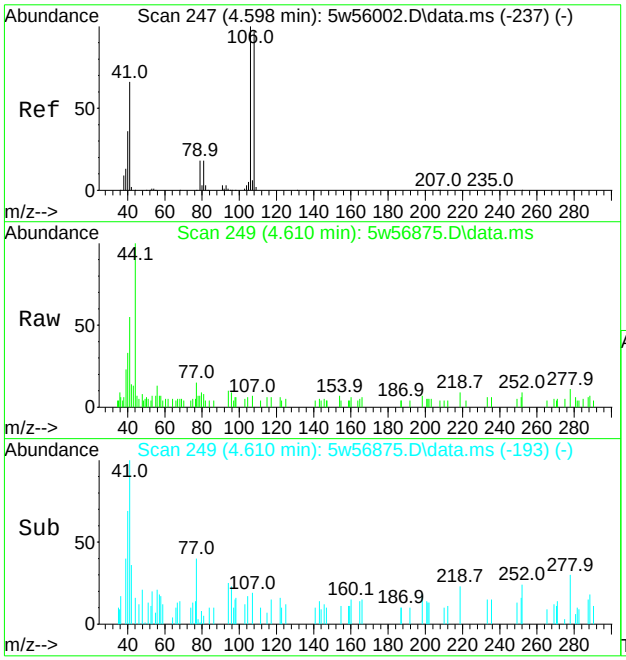


#13
n-BUTANE
Concen: 5.9746 PPBV
RT: 4.047 min Scan# 157
Delta R.T. 0.000 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 43 Resp: 508755

Ion	Ratio	Lower	Upper
43	100		
58	11.0	0.0	40.6
44	4.4	0.0	36.0

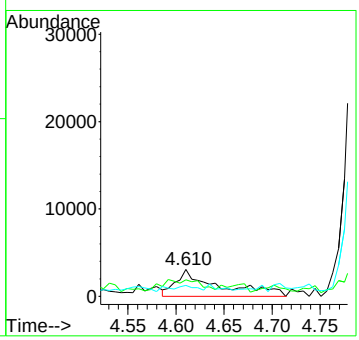


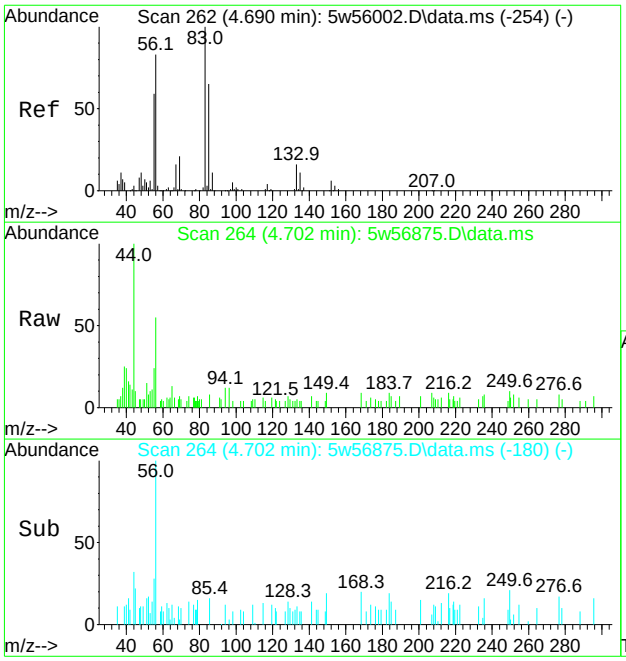


#17
ACETONITRILE
Concen: 0.1907 PPBV
RT: 4.610 min Scan# 249
Delta R.T. 0.012 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 41 Resp: 9435

Ion	Ratio	Lower	Upper
41	100		
40	35.1	38.2	71.0#
39	14.3	13.9	25.9

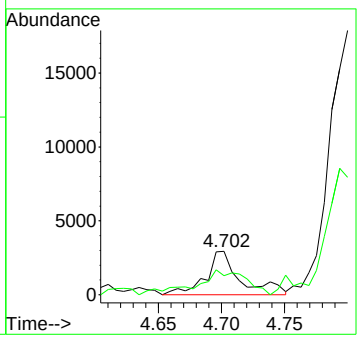


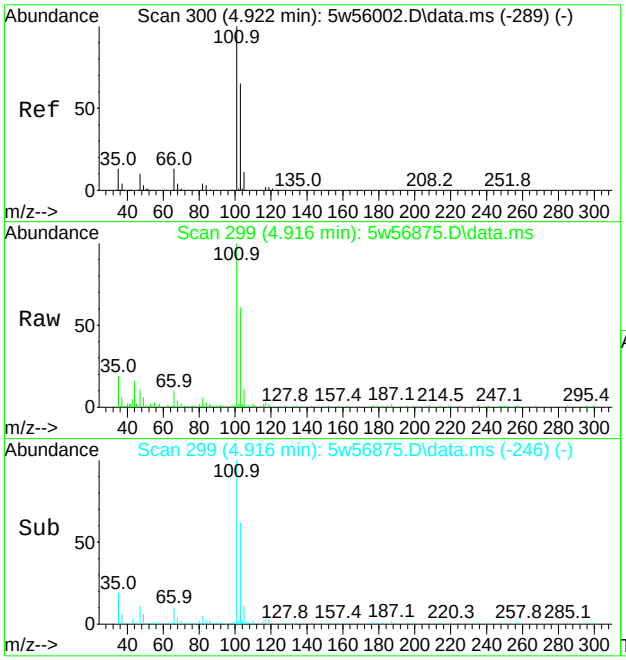


#18
ACROLEIN
Concen: 0.2551 PPBV
RT: 4.702 min Scan# 264
Delta R.T. 0.012 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 56 Resp: 5578

Ion	Ratio	Lower	Upper
56	100		
55	81.8	49.2	91.4

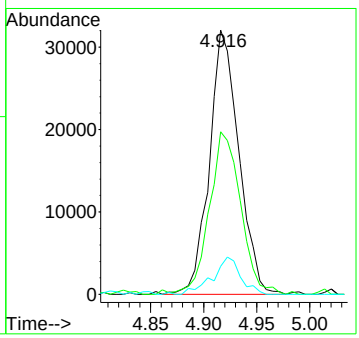


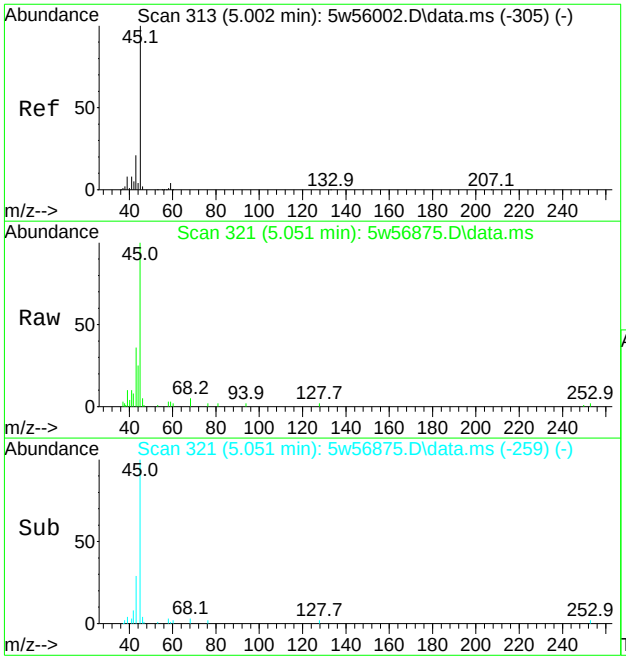


#21
TRICHLOROFLUOROMETHANE
Concen: 0.4279 PPBV
RT: 4.916 min Scan# 299
Delta R.T. -0.006 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion:101 Resp: 61780

Ion	Ratio	Lower	Upper
101	100		
103	65.8	34.8	94.8
105	13.5	0.0	40.9

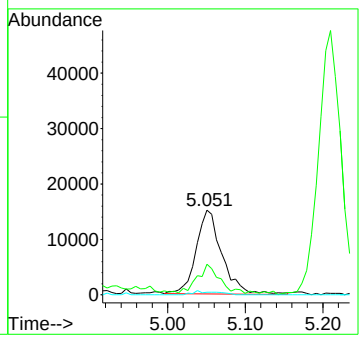


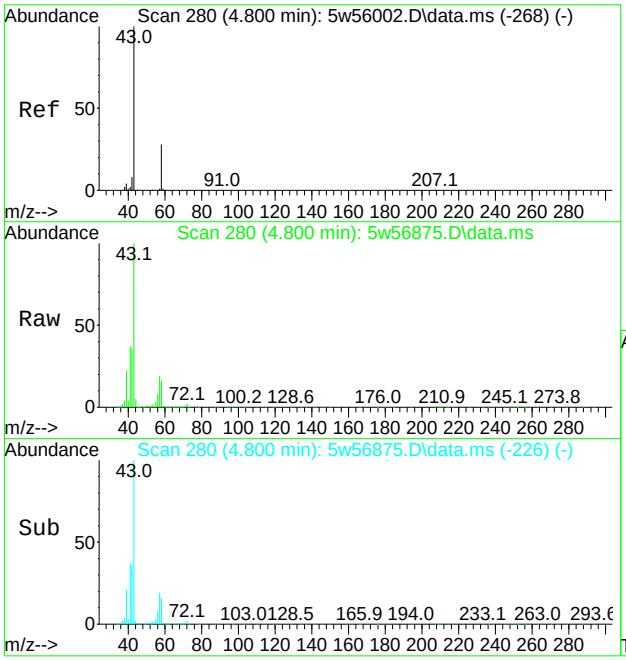


#22
ISOPROPYL ALCOHOL
Concen: 0.4556 PPBV
RT: 5.051 min Scan# 321
Delta R.T. 0.049 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 45 Resp: 34763

Ion	Ratio	Lower	Upper
45	100		
43	36.0	0.0	51.3
59	2.9	0.0	33.7

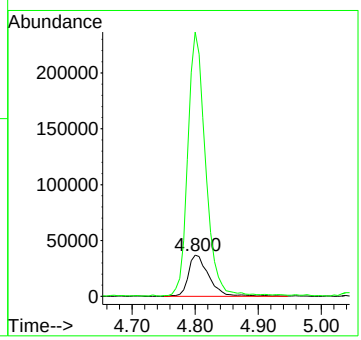


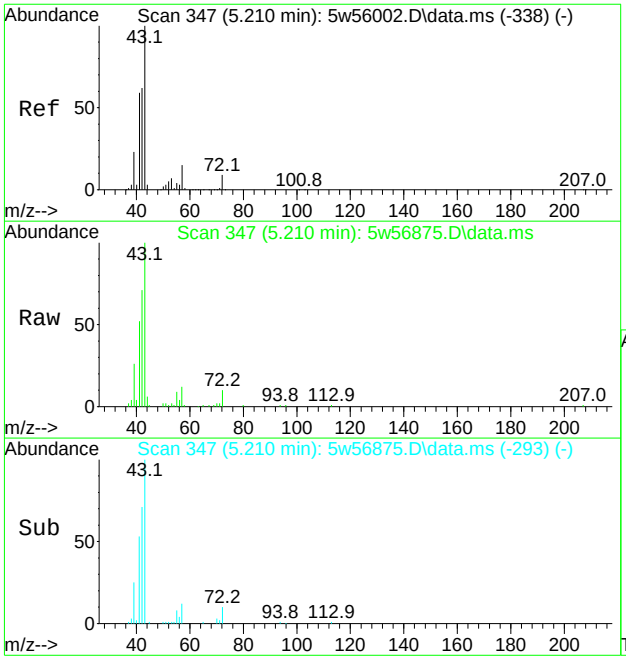


#23
ACETONE
Concen: 3.4084 PPBV
RT: 4.800 min Scan# 280
Delta R.T. 0.000 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 58 Resp: 83614

Ion	Ratio	Lower	Upper
58	100		
43	557.5	334.9	394.9#

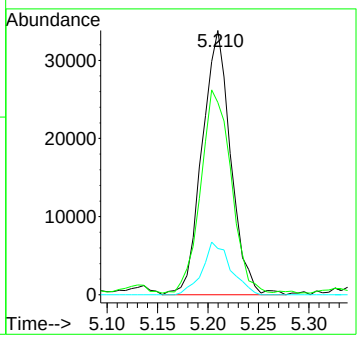


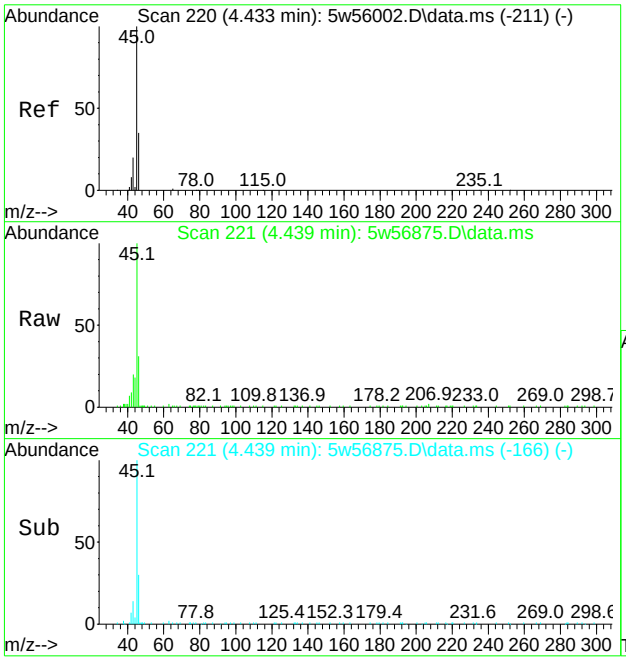


#24
PENTANE
Concen: 1.7354 PPBV
RT: 5.210 min Scan# 347
Delta R.T. 0.000 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 42 Resp: 66950

Ion	Ratio	Lower	Upper
42	100		
41	81.4	63.7	123.7
57	19.7	0.0	53.4

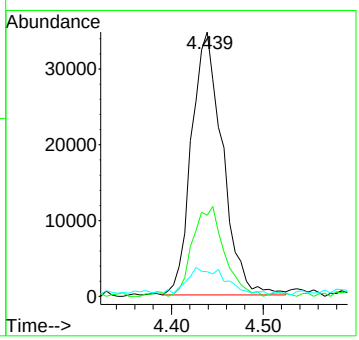


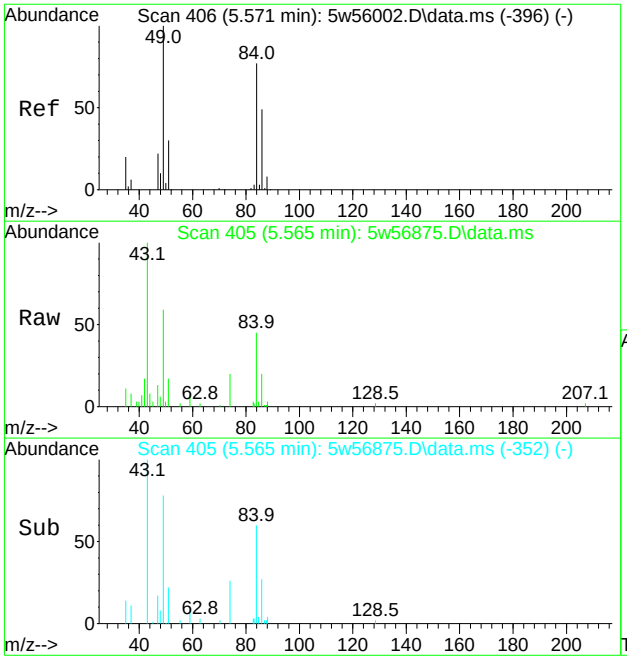


#28
ETHANOL
Concen: 2.7562 PPBV
RT: 4.439 min Scan# 221
Delta R.T. 0.006 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 45 Resp: 81651

Ion	Ratio	Lower	Upper
45	100		
46	34.7	4.8	64.8
42	13.4	0.0	38.6

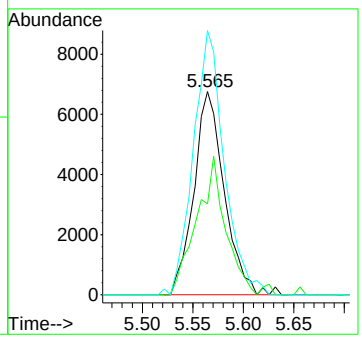


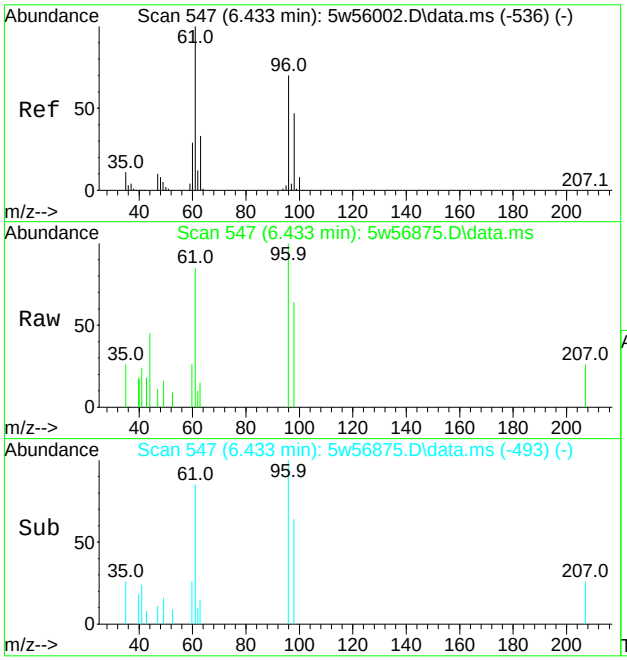


#31
METHYLENE CHLORIDE
Concen: 0.3805 PPBV
RT: 5.565 min Scan# 405
Delta R.T. -0.006 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 84 Resp: 14199

Ion	Ratio	Lower	Upper
84	100		
86	64.3	34.4	94.4
49	132.3	100.0	160.0

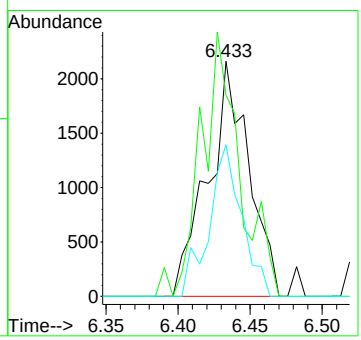


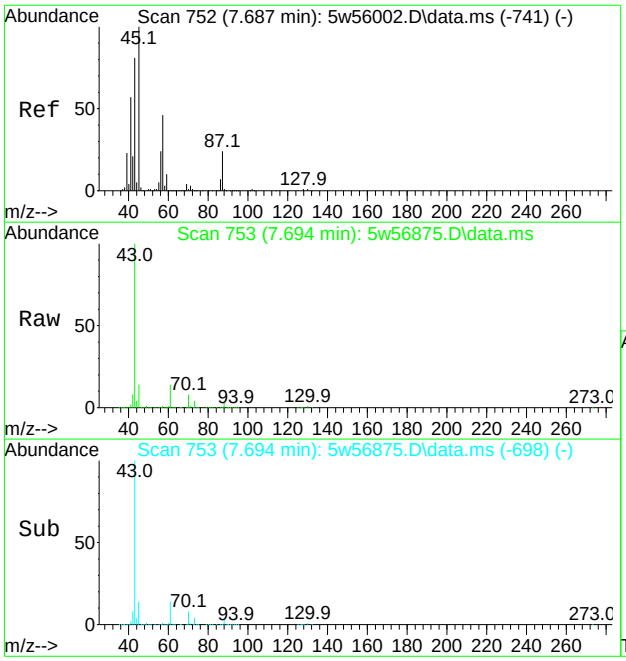


#34
TRANS-1,2-DICHLOROETHYLENE
Concen: 0.1077 PPBV
RT: 6.433 min Scan# 547
Delta R.T. 0.000 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 96 Resp: 4283

Ion	Ratio	Lower	Upper
96	100		
61	105.8	109.7	169.7#
98	51.3	35.0	95.0

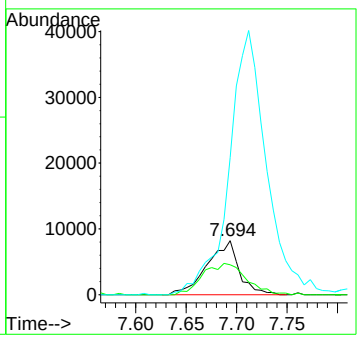


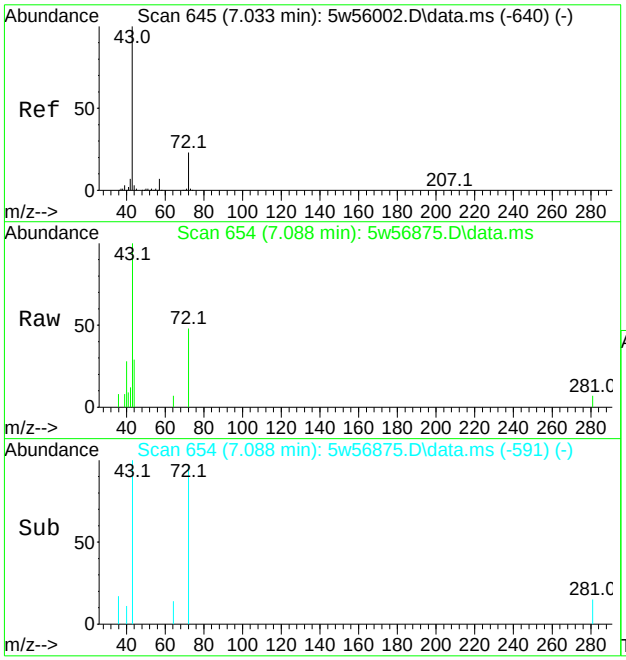


#38
HEXANE
Concen: 0.3377 PPBV
RT: 7.694 min Scan# 753
Delta R.T. 0.006 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 57 Resp: 18130

Ion	Ratio	Lower	Upper
57	100		
56	79.8	25.0	85.0
41	0.0	100.0	160.0#

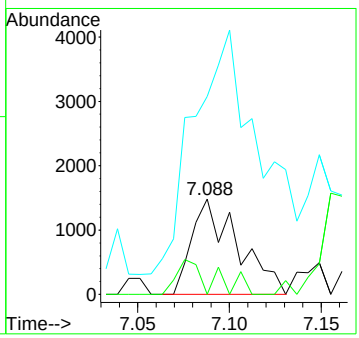


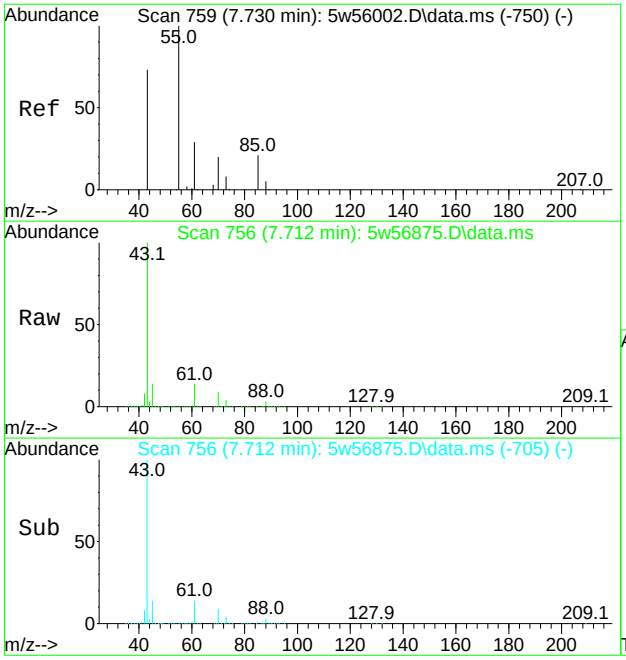


#41
METHYL ETHYL KETONE
Concen: 0.1709 PPBV
RT: 7.088 min Scan# 654
Delta R.T. 0.055 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 72 Resp: 2596

Ion	Ratio	Lower	Upper
72	100		
57	0.0	0.0	59.5
43	207.3	398.1	458.1#

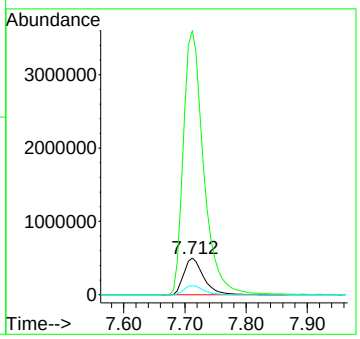


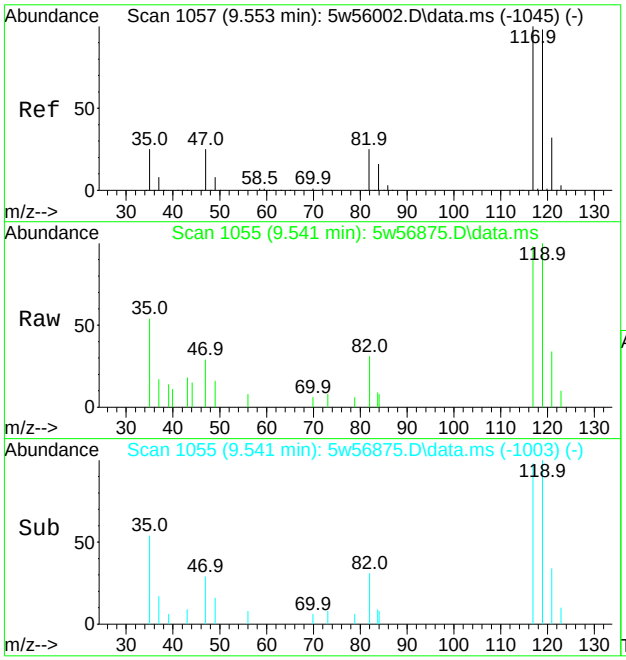


#44
ETHYL ACETATE
Concen: 98.3309 PPBV
RT: 7.712 min Scan# 756
Delta R.T. -0.018 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 61 Resp: 1127526

Ion	Ratio	Lower	Upper
61	100		
43	738.8	0.0	30.0#
88	25.0	8.3	68.3

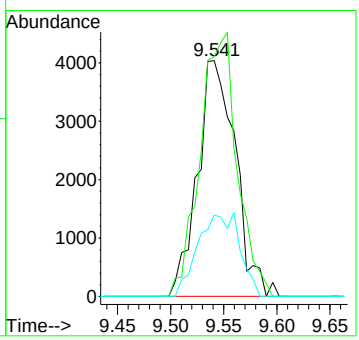


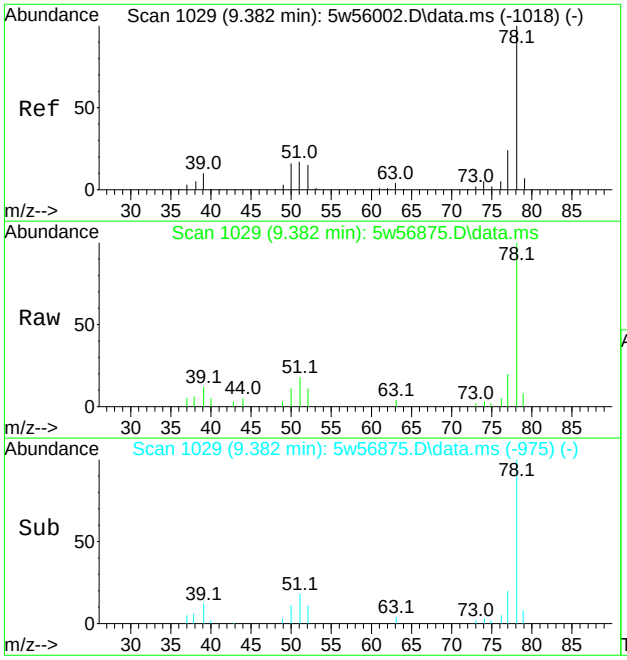


#49
CARBON TETRACHLORIDE
Concen: 0.0971 PPBV
RT: 9.541 min Scan# 1055
Delta R.T. -0.012 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion:117 Resp: 10054

Ion	Ratio	Lower	Upper
117	100		
119	109.4	67.6	127.6
121	38.5	1.5	61.5

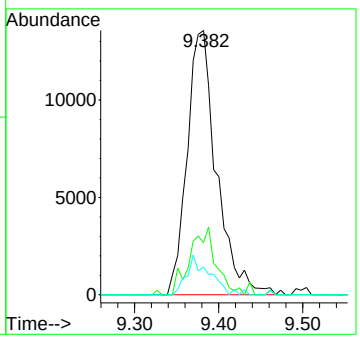


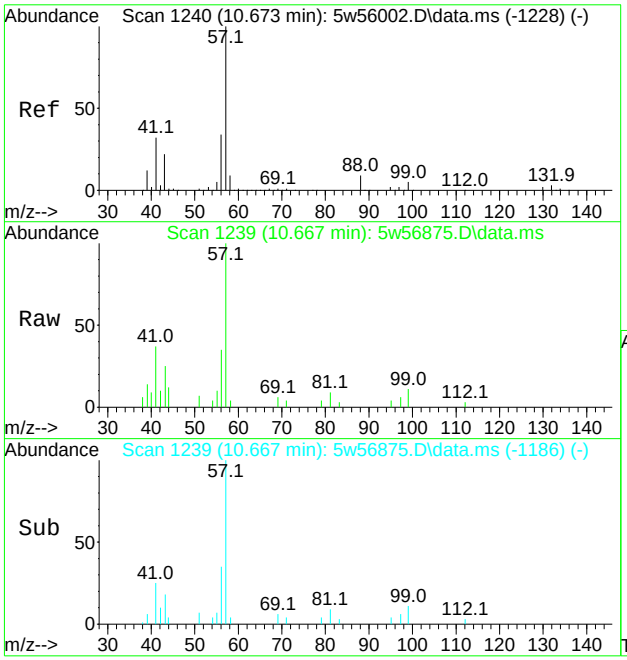


#52
BENZENE
Concen: 0.2735 PPBV
RT: 9.382 min Scan# 1029
Delta R.T. 0.000 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 78 Resp: 32946

Ion	Ratio	Lower	Upper
78	100		
77	22.6	0.0	54.1
52	11.8	0.0	45.0

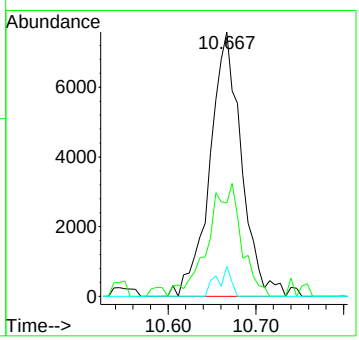


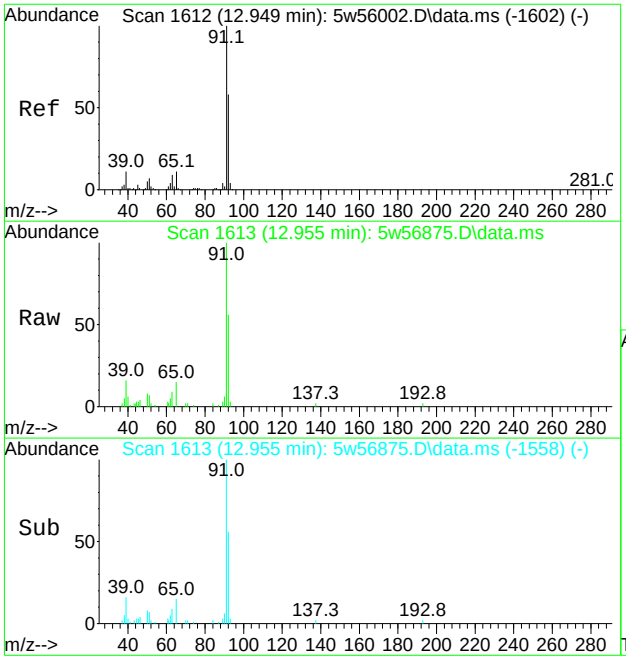


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1090 PPBV
RT: 10.667 min Scan# 1239
Delta R.T. -0.006 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 57 Resp: 18886

Ion	Ratio	Lower	Upper
57	100		
56	45.3	3.3	63.3
99	5.1	0.0	38.5

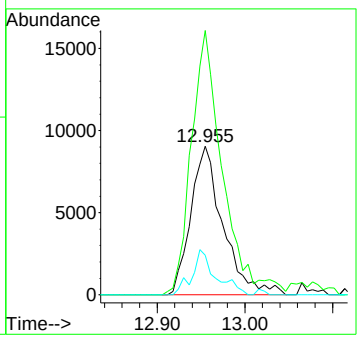


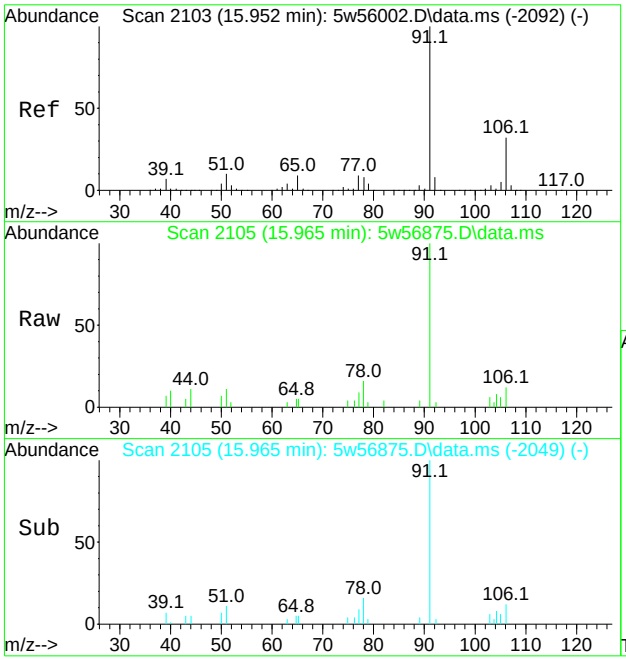


#66
TOLUENE
Concen: 0.2645 PPBV
RT: 12.955 min Scan# 1613
Delta R.T. 0.006 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 92 Resp: 23031

Ion	Ratio	Lower	Upper
92	100		
91	172.4	142.9	202.9
65	22.2	0.0	51.6

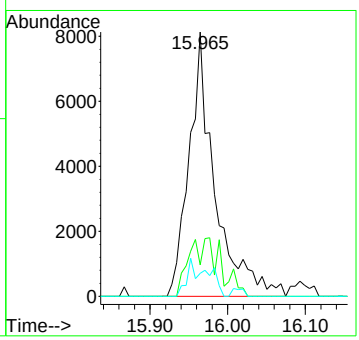


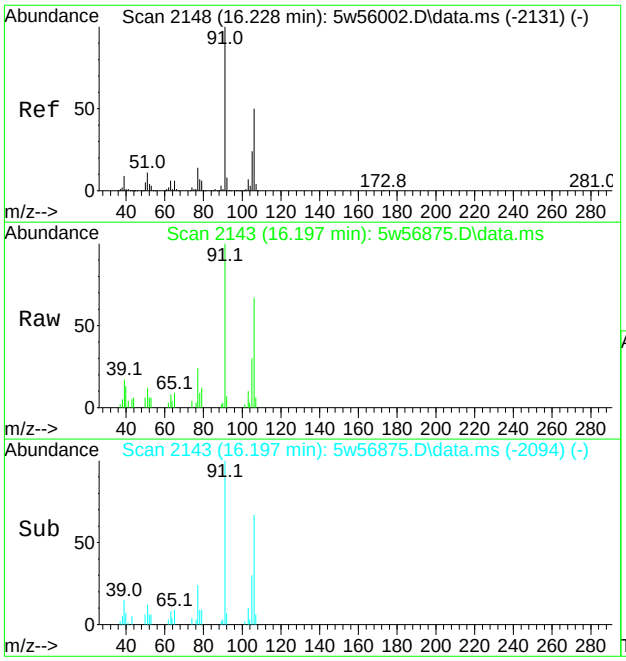


#79
ETHYLBENZENE
Concen: 0.1218 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.012 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion: 91 Resp: 18811

Ion	Ratio	Lower	Upper
91	100		
106	27.1	1.6	61.6
77	0.0	0.0	38.8

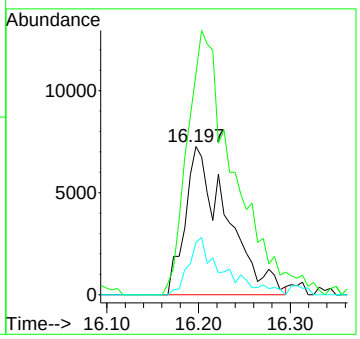


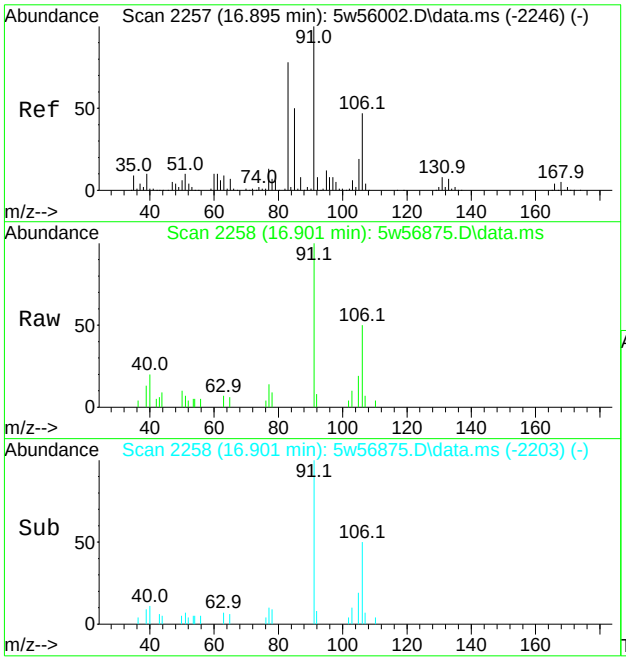


#80
m,p-XYLENE
Concen: 0.3724 PPBV
RT: 16.197 min Scan# 2143
Delta R.T. -0.031 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion:106 Resp: 23049

Ion	Ratio	Lower	Upper
106	100		
91	149.3	168.7	228.7#
77	35.4	0.0	57.9

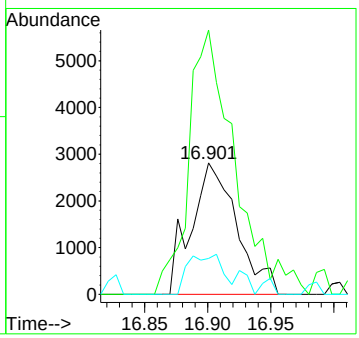




#81
o-XYLENE
Concen: 0.1177 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. 0.006 min
Lab File: 5w56875.D
Acq: 14 Feb 2025 1:30 am

Tgt Ion:106 Resp: 7084

Ion	Ratio	Lower	Upper
106	100		
91	203.2	181.0	241.0
77	27.6	0.0	57.4



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-14-25\V5W2179 hw\
Data File : 5w56886.D
Acq On : 14 Feb 2025 10:03 am
Operator : thomash
Sample : je5543-1 Inst : GCMS5W
Misc : MS89637,V5W2179,100,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 14 19:39:47 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

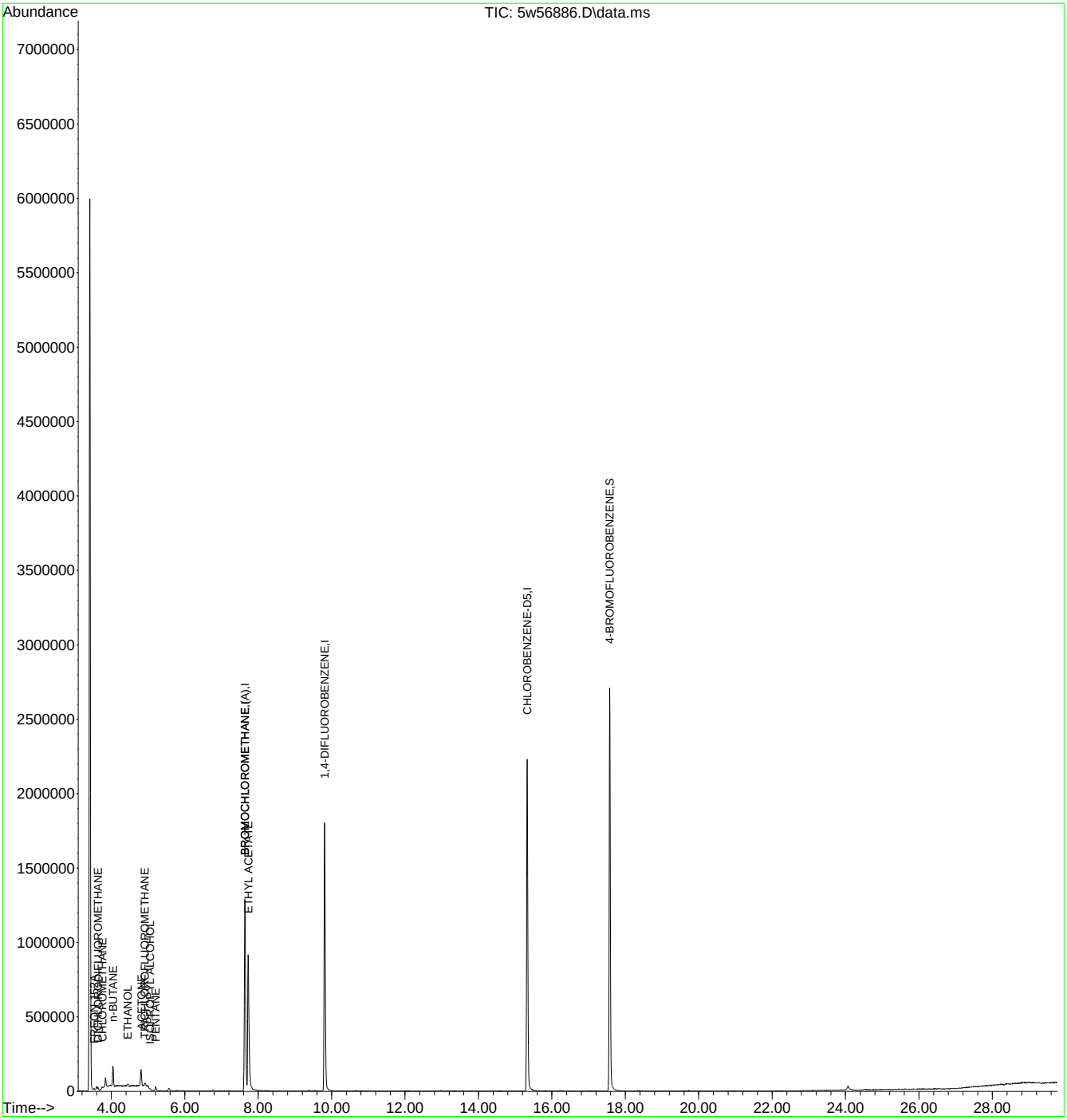
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.638	128	394923	10.00	PPBV	-0.01
51) 1,4-DIFLUOROBENZENE	9.810	114	1778659	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.328	82	809945	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.638	128	394923	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.574	95	1082812	11.35	PPBV	-0.01
Spiked Amount 10.000	Range 65 - 128		Recovery = 113.50%			
Target Compounds						Qvalue
3) FREON 152A	3.533	65	6604	0.2361	PPBV	94
6) DICHLORODIFLUOROMETHANE	3.631	85	20627	0.1640	PPBV	98
10) CHLOROMETHANE	3.754	52	2621	0.1522	PPBV #	32
13) n-BUTANE	4.047	43	106921	1.3097	PPBV	97
21) TRICHLOROFLUOROMETHANE	4.910	101	13884	0.1003	PPBV	87
22) ISOPROPYL ALCOHOL	5.051	45	15080	0.2061	PPBV	91
23) ACETONE	4.818	58	18375	0.7813	PPBV #	18
24) PENTANE	5.204	42	12366	0.3343	PPBV	97
28) ETHANOL	4.445	45	17249	0.6073	PPBV	92
44) ETHYL ACETATE	7.730	61	192507	17.5106	PPBV #	76

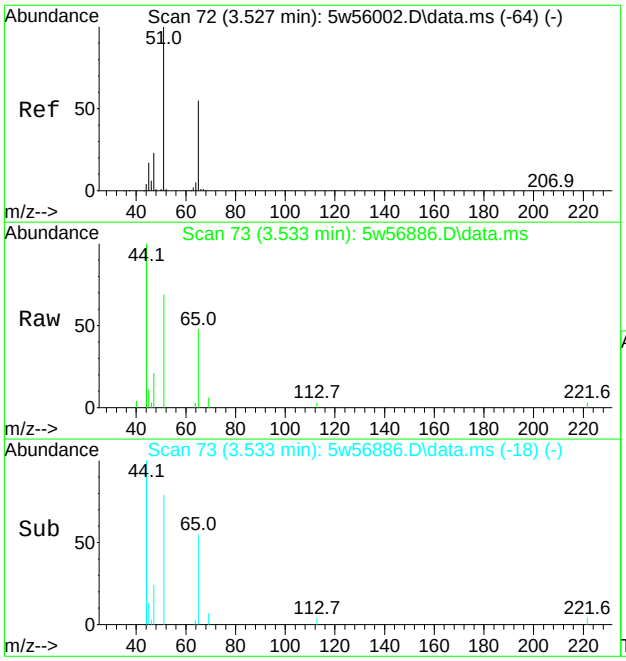
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-14-25\V5W2179 hw\
Data File : 5w56886.D
Acq On : 14 Feb 2025 10:03 am
Operator : thomash
Sample : je5543-1 Inst : GCMS5W
Misc : MS89637,V5W2179,100,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 14 19:39:47 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

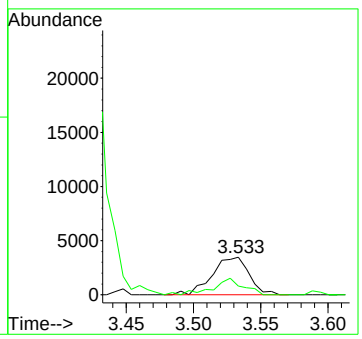


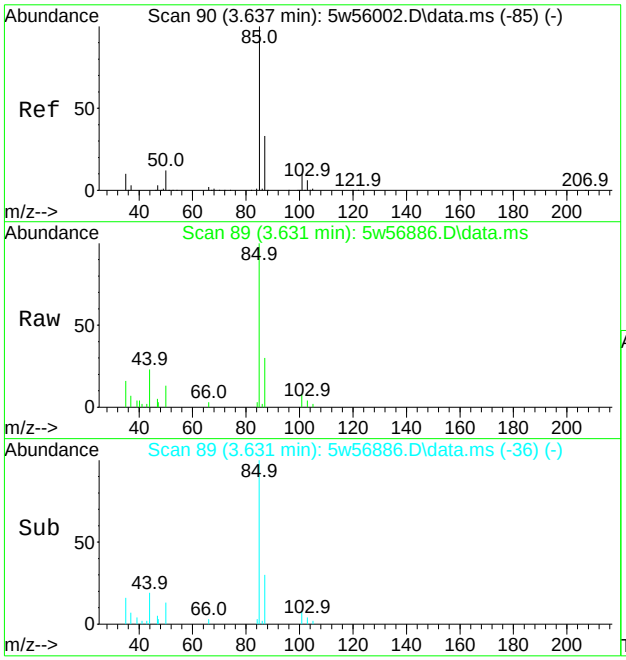


#3
FREON 152A
Concen: 0.2361 PPBV
RT: 3.533 min Scan# 73
Delta R.T. 0.006 min
Lab File: 5w56886.D
Acq: 14 Feb 2025 10:03 am

Tgt Ion: 65 Resp: 6604

Ion	Ratio	Lower	Upper
65	100		
45	34.7	1.3	61.3

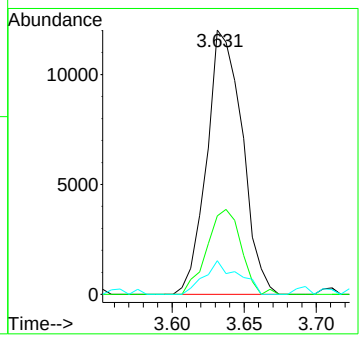


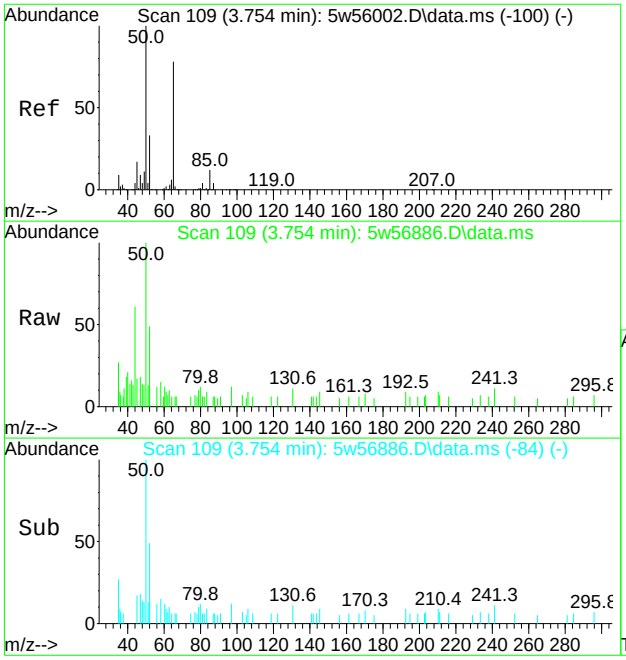


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1640 PPBV
RT: 3.631 min Scan# 89
Delta R.T. -0.006 min
Lab File: 5w56886.D
Acq: 14 Feb 2025 10:03 am

Tgt Ion: 85 Resp: 20627

Ion	Ratio	Lower	Upper
85	100		
87	31.0	2.7	62.7
50	12.2	0.0	42.5

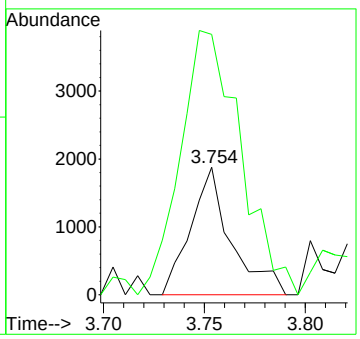


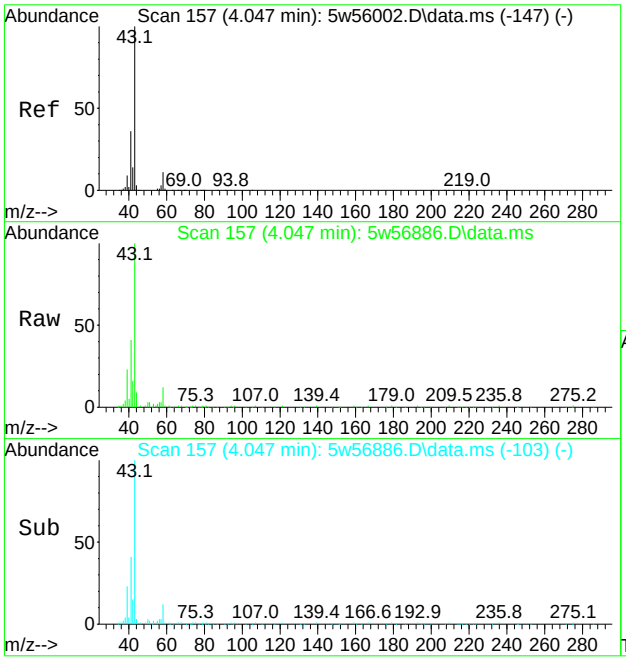


#10
CHLOROMETHANE
Concen: 0.1522 PPBV
RT: 3.754 min Scan# 109
Delta R.T. -0.000 min
Lab File: 5w56886.D
Acq: 14 Feb 2025 10:03 am

Tgt Ion: 52 Resp: 2621

Ion	Ratio	Lower	Upper
52	100		
50	171.8	277.5	337.5#

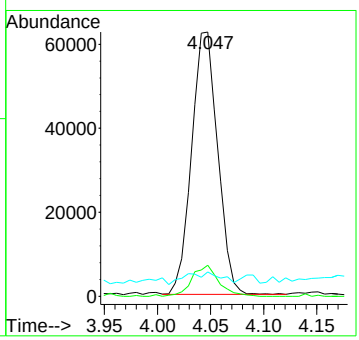


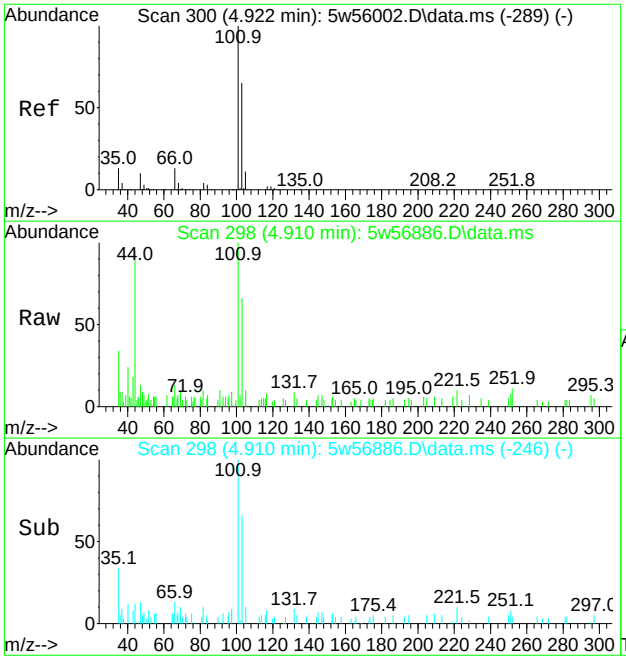


#13
n-BUTANE
Concen: 1.3097 PPBV
RT: 4.047 min Scan# 157
Delta R.T. -0.000 min
Lab File: 5w56886.D
Acq: 14 Feb 2025 10:03 am

Tgt Ion: 43 Resp: 106921

Ion	Ratio	Lower	Upper
43	100		
58	12.3	0.0	40.6
44	6.3	0.0	36.0

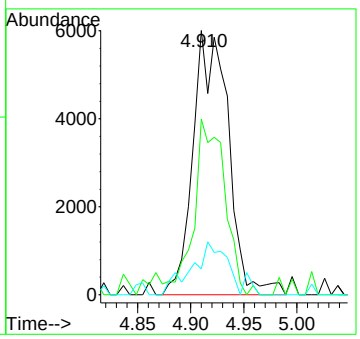


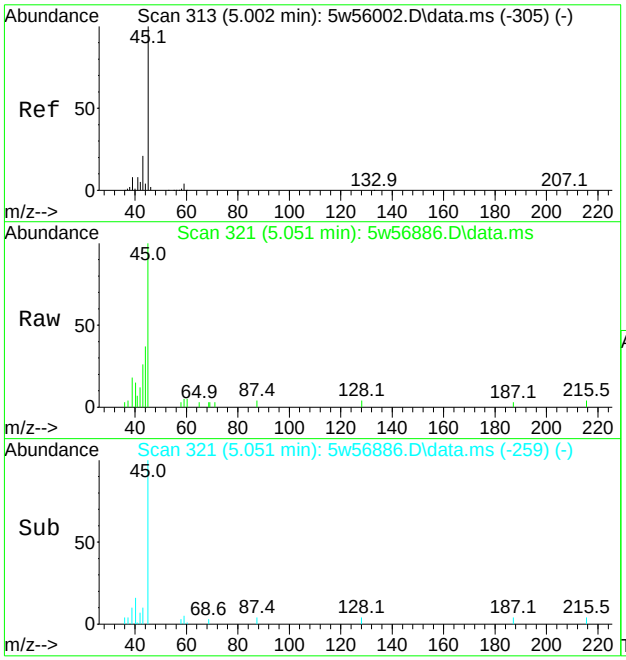


#21
TRICHLOROFLUOROMETHANE
Concen: 0.1003 PPBV
RT: 4.910 min Scan# 298
Delta R.T. -0.012 min
Lab File: 5w56886.D
Acq: 14 Feb 2025 10:03 am

Tgt Ion:101 Resp: 13884

Ion	Ratio	Lower	Upper
101	100		
103	56.1	34.8	94.8
105	19.5	0.0	40.9

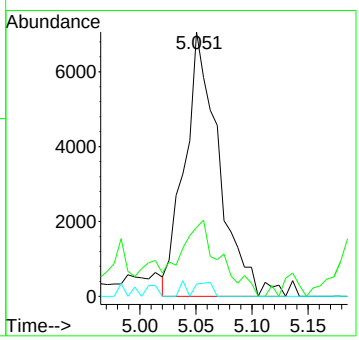


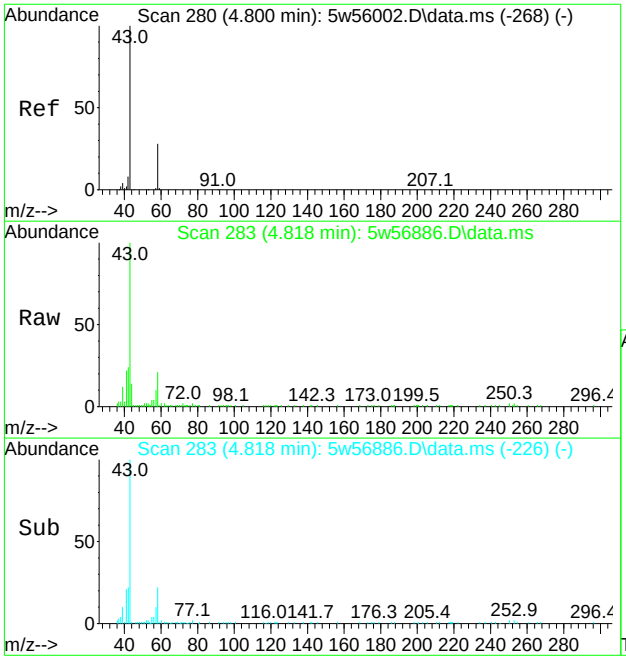


#22
ISOPROPYL ALCOHOL
Concen: 0.2061 PPBV
RT: 5.051 min Scan# 321
Delta R.T. 0.049 min
Lab File: 5w56886.D
Acq: 14 Feb 2025 10:03 am

Tgt Ion: 45 Resp: 15080

Ion	Ratio	Lower	Upper
45	100		
43	26.1	0.0	51.3
59	4.6	0.0	33.7

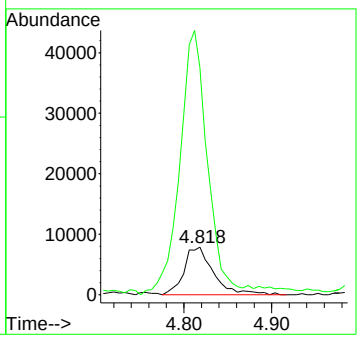


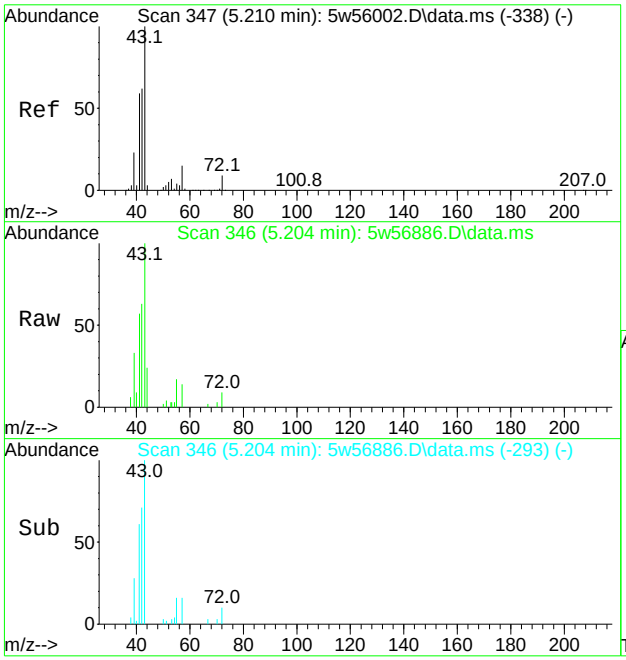


#23
ACETONE
Concen: 0.7813 PPBV
RT: 4.818 min Scan# 283
Delta R.T. 0.018 min
Lab File: 5w56886.D
Acq: 14 Feb 2025 10:03 am

Tgt Ion: 58 Resp: 18375

Ion	Ratio	Lower	Upper
58	100		
43	547.9	334.9	394.9#

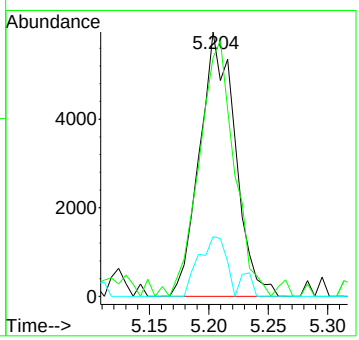


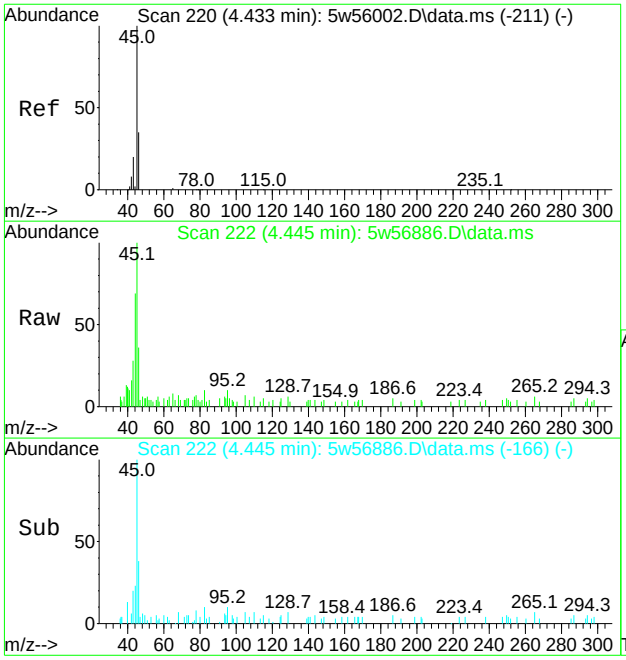


#24
PENTANE
Concen: 0.3343 PPBV
RT: 5.204 min Scan# 346
Delta R.T. -0.006 min
Lab File: 5w56886.D
Acq: 14 Feb 2025 10:03 am

Tgt Ion: 42 Resp: 12366

Ion	Ratio	Lower	Upper
42	100		
41	94.7	63.7	123.7
57	17.4	0.0	53.4

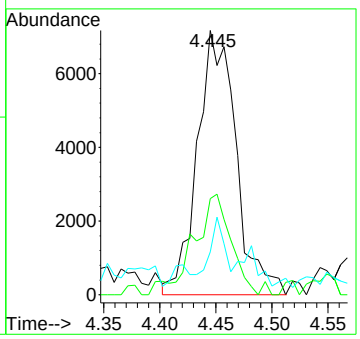


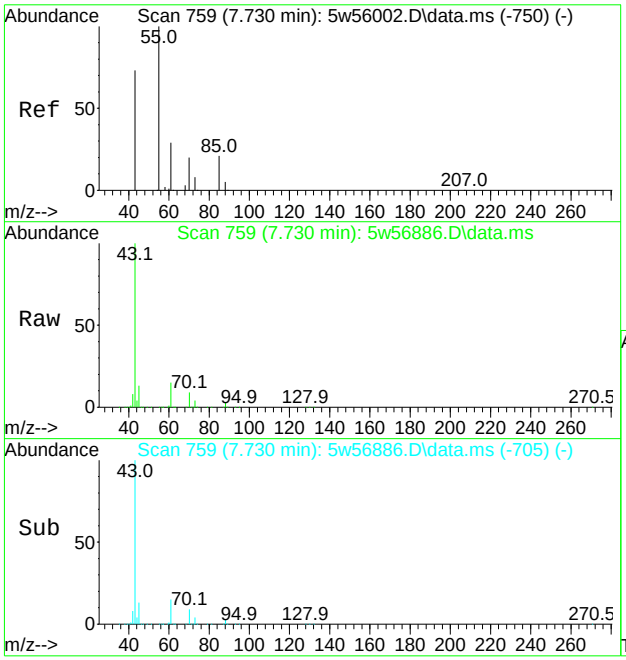


#28
ETHANOL
Concen: 0.6073 PPBV
RT: 4.445 min Scan# 222
Delta R.T. 0.012 min
Lab File: 5w56886.D
Acq: 14 Feb 2025 10:03 am

Tgt Ion: 45 Resp: 17249

Ion	Ratio	Lower	Upper
45	100		
46	36.7	4.8	64.8
42	18.4	0.0	38.6

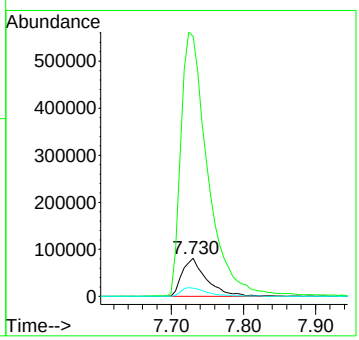




#44
ETHYL ACETATE
Concen: 17.5106 PPBV
RT: 7.730 min Scan# 759
Delta R.T. -0.000 min
Lab File: 5w56886.D
Acq: 14 Feb 2025 10:03 am

Tgt Ion: 61 Resp: 192507

Ion	Ratio	Lower	Upper
61	100		
43	761.8	0.0	30.0#
88	24.0	8.3	68.3



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-14-25\V5W2179 hw\
Data File : 5w56876.D
Acq On : 14 Feb 2025 2:18 am
Operator : thomash
Sample : je5543-2 Inst : GCMS5W
Misc : MS89637,V5W2179,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 14 15:58:44 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

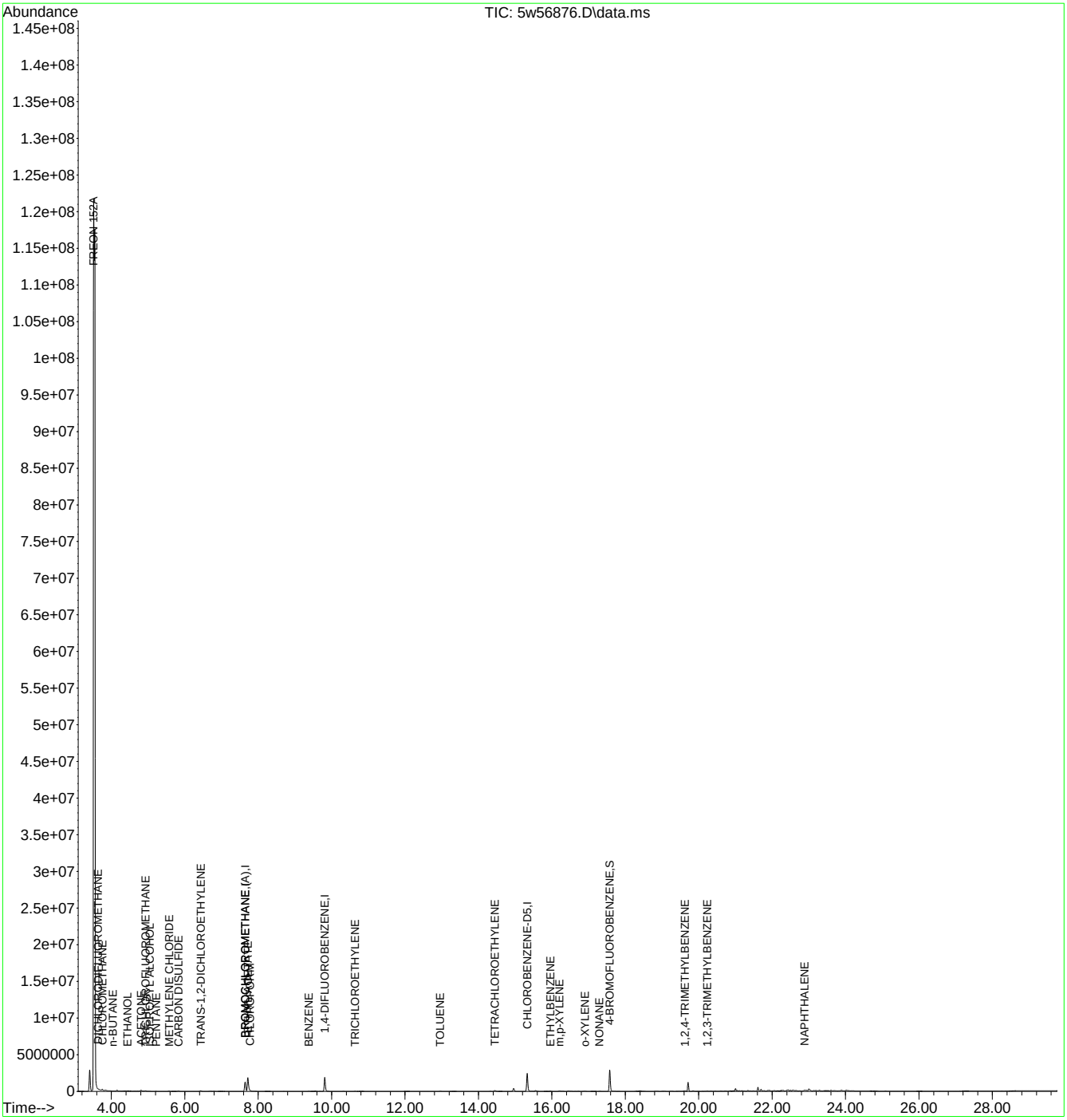
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.644	128	384066	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.810	114	1817320	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.328	82	891257	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.644	128	384066	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.573	95	1210127	11.53	PPBV	-0.01
Spiked Amount 10.000	Range 65 - 128		Recovery = 115.30%			
Target Compounds						Qvalue
3) FREON 152A	3.509	65	27516263	1011.3476	PPBV #	22
6) DICHLORODIFLUOROMETHANE	3.631	85	45626	0.3731	PPBV #	90
10) CHLOROMETHANE	3.753	52	3178	0.1897	PPBV #	78
13) n-BUTANE	4.041	43	12023	0.1514	PPBV #	89
21) TRICHLOROFLUOROMETHANE	4.928	101	44692	0.3320	PPBV	96
22) ISOPROPYL ALCOHOL	5.044	45	17523	0.2463	PPBV	93
23) ACETONE	4.806	58	19708	0.8616	PPBV #	33
24) PENTANE	5.222	42	3672	0.1021	PPBV	96
27) CARBON DISULFIDE	5.827	76	60737	0.6136	PPBV	86
28) ETHANOL	4.439	45	46903	1.6980	PPBV	93
31) METHYLENE CHLORIDE	5.577	84	13731	0.3946	PPBV	98
34) TRANS-1,2-DICHLOROETHY...	6.433	96	38050	1.0258	PPBV	94
44) ETHYL ACETATE	7.718	61	372925	34.8806	PPBV #	79
46) CHLOROFORM	7.779	83	27975	0.3310	PPBV	91
52) BENZENE	9.376	78	12718	0.1084	PPBV	98
55) TRICHLOROETHYLENE	10.636	95	4488	0.0717	PPBV	95
66) TOLUENE	12.955	92	16675	0.1966	PPBV	91
73) TETRACHLOROETHYLENE	14.447	164	30958	0.4926	PPBV	87
79) ETHYLBENZENE	15.958	91	18723	0.1153	PPBV	97
80) m,p-XYLENE	16.203	106	27411	0.4215	PPBV	100
81) o-XYLENE	16.900	106	9292	0.1469	PPBV #	77
83) NONANE	17.286	43	11218	0.1396	PPBV	93
96) 1,2,4-TRIMETHYLBENZENE	19.623	105	36046	0.2194	PPBV #	37
101) 1,2,3-TRIMETHYLBENZENE	20.228	105	17799	0.1101	PPBV	88
108) NAPHTHALENE	22.884	128	68396	0.2744	PPBV	85

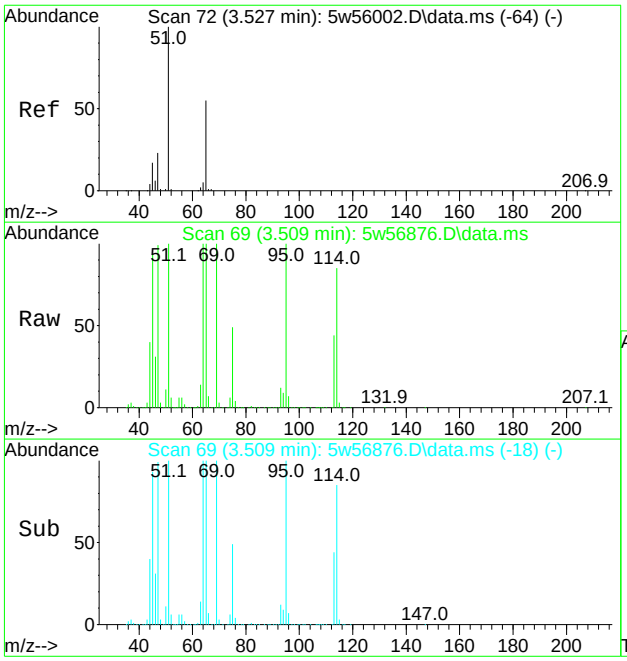
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-14-25\V5W2179 hw\
Data File : 5w56876.D
Acq On : 14 Feb 2025 2:18 am
Operator : thomash
Sample : je5543-2 Inst : GCMS5W
Misc : MS89637,V5W2179,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 14 15:58:44 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

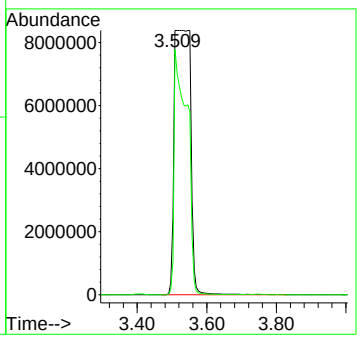


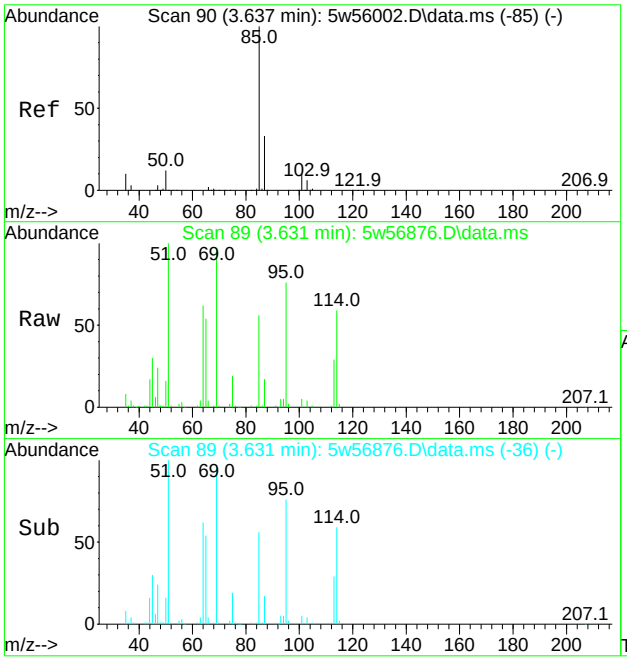


#3
FREON 152A
Concen: 1011.3476 PPBV
RT: 3.509 min Scan# 69
Delta R.T. -0.019 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 65 Resp:27516263

Ion	Ratio	Lower	Upper
65	100		
45	74.3	1.3	61.3#

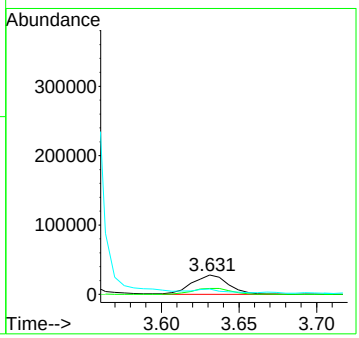


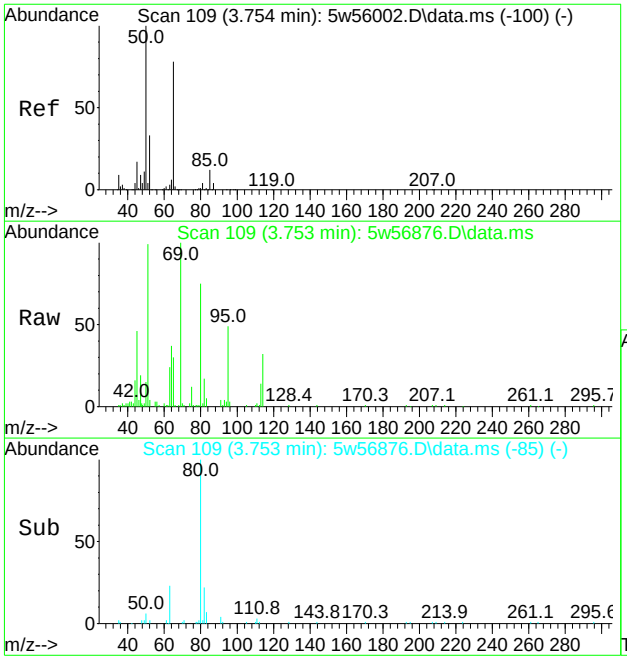


#6
DICHLORODIFLUOROMETHANE
Concen: 0.3731 PPBV
RT: 3.631 min Scan# 89
Delta R.T. -0.006 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 85 Resp: 45626

Ion	Ratio	Lower	Upper
85	100		
87	33.4	2.7	62.7
50	0.0	0.0	42.5

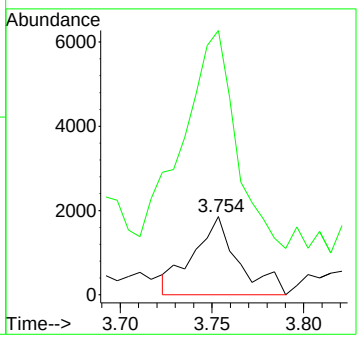


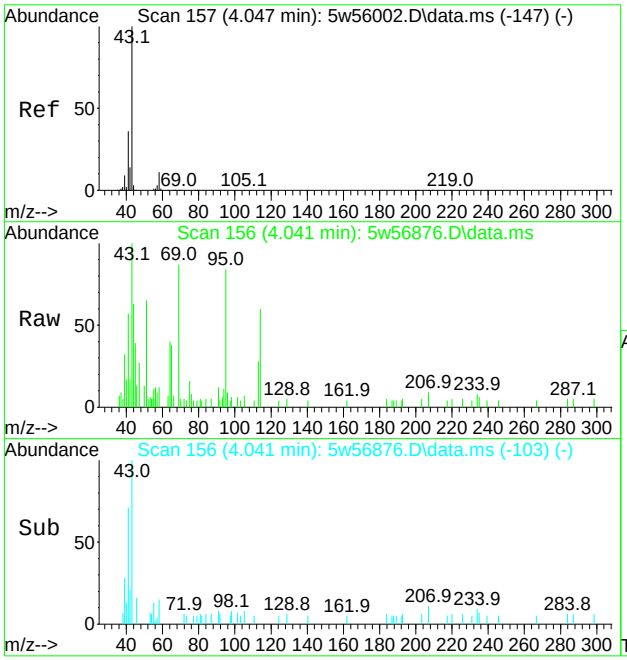


#10
CHLOROMETHANE
Concen: 0.1897 PPBV
RT: 3.753 min Scan# 109
Delta R.T. -0.000 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 52 Resp: 3178

Ion	Ratio	Lower	Upper
52	100		
50	264.0	277.5	337.5#

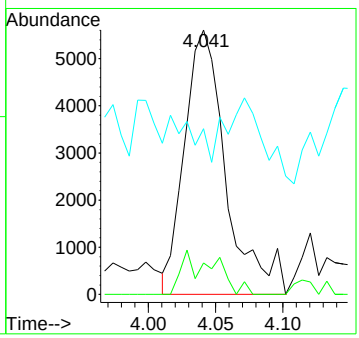


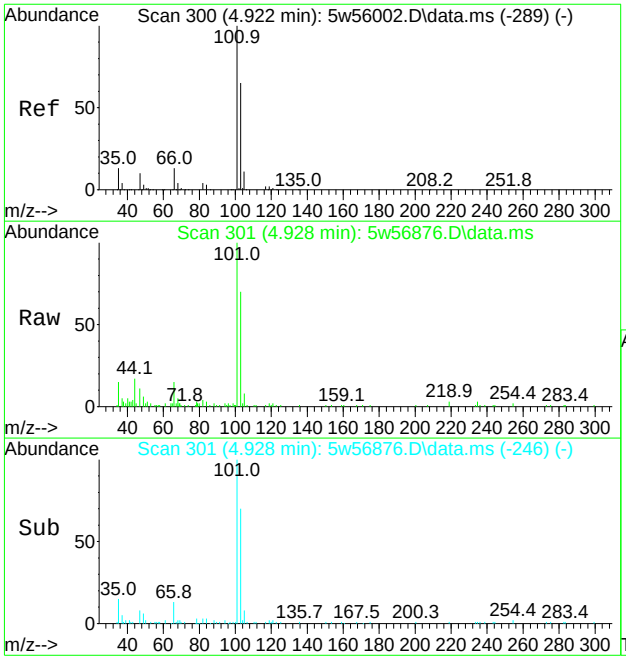


#13
n-BUTANE
Concen: 0.1514 PPBV
RT: 4.041 min Scan# 156
Delta R.T. -0.006 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 43 Resp: 12023

Ion	Ratio	Lower	Upper
43	100		
58	13.1	0.0	40.6
44	0.0	0.0	36.0

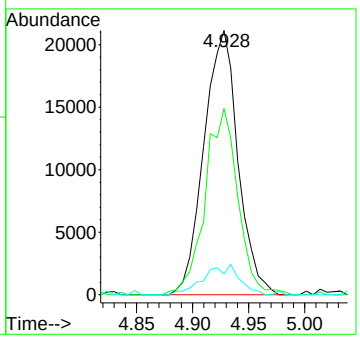


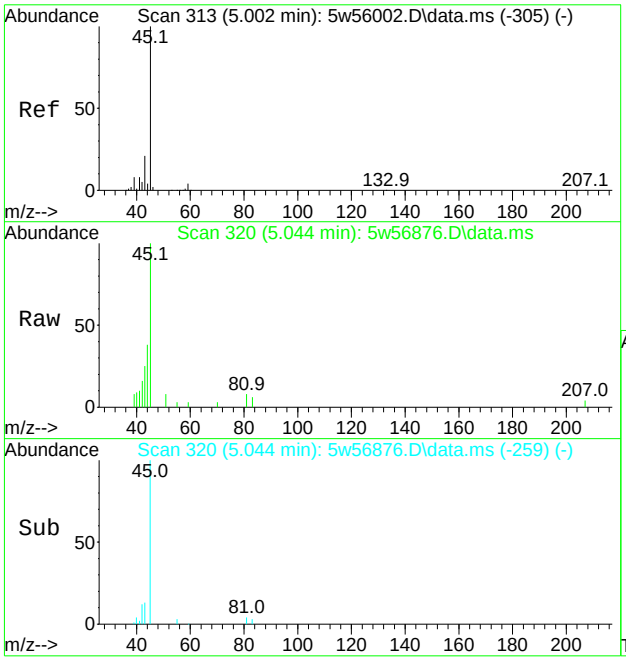


#21
TRICHLOROFLUOROMETHANE
Concen: 0.3320 PPBV
RT: 4.928 min Scan# 301
Delta R.T. 0.006 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion:101 Resp: 44692

Ion	Ratio	Lower	Upper
101	100		
103	67.9	34.8	94.8
105	11.9	0.0	40.9

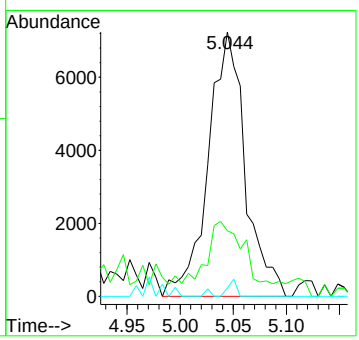


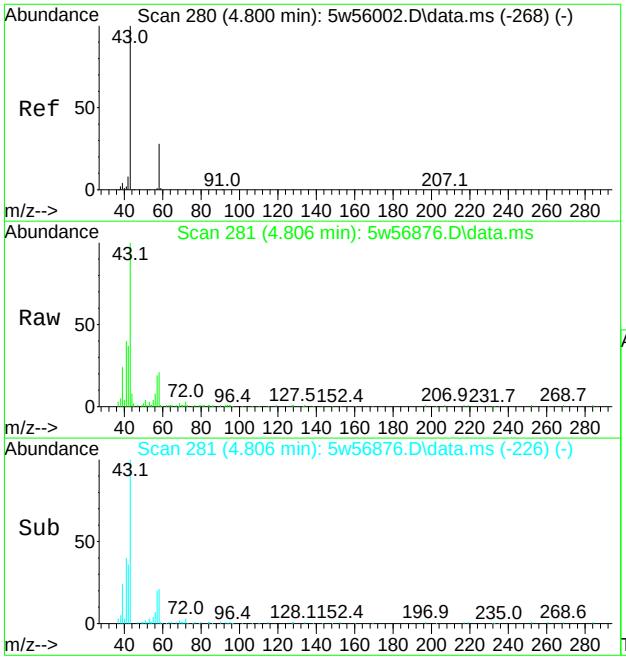


#22
ISOPROPYL ALCOHOL
Concen: 0.2463 PPBV
RT: 5.044 min Scan# 320
Delta R.T. 0.043 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 45 Resp: 17523

Ion	Ratio	Lower	Upper
45	100		
43	24.8	0.0	51.3
59	3.2	0.0	33.7

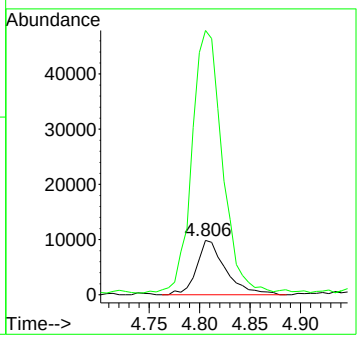


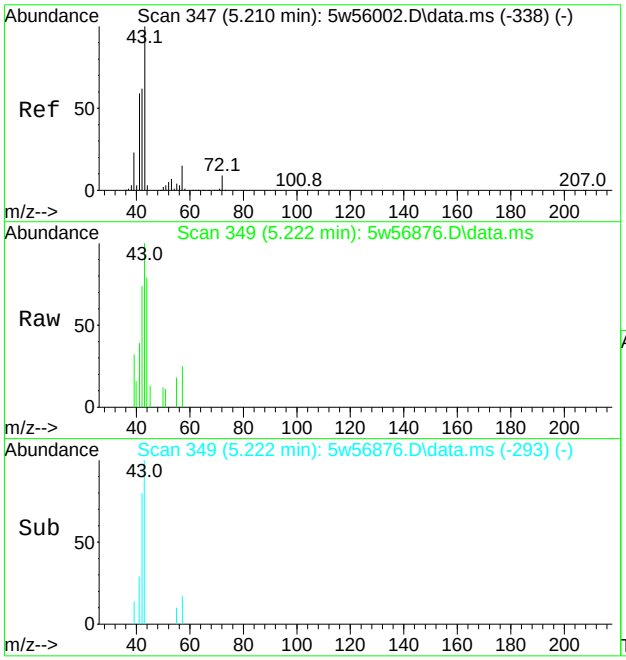


#23
ACETONE
Concen: 0.8616 PPBV
RT: 4.806 min Scan# 281
Delta R.T. 0.006 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 58 Resp: 19708

Ion	Ratio	Lower	Upper
58	100		
43	514.4	334.9	394.9#

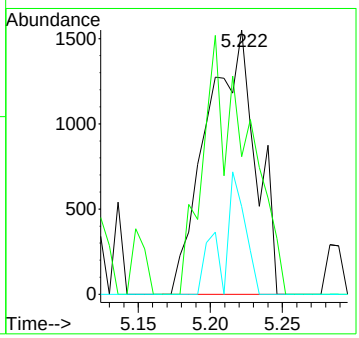


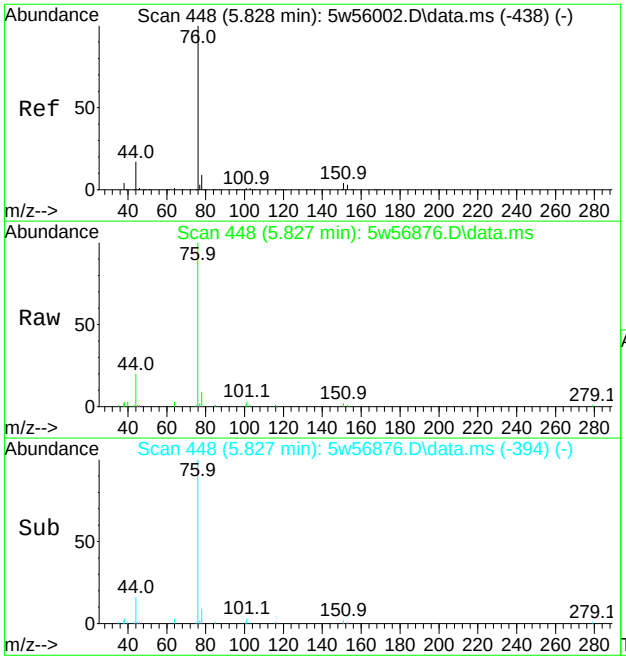


#24
PENTANE
Concen: 0.1021 PPBV
RT: 5.222 min Scan# 349
Delta R.T. 0.012 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 42 Resp: 3672

Ion	Ratio	Lower	Upper
42	100		
41	89.3	63.7	123.7
57	21.6	0.0	53.4

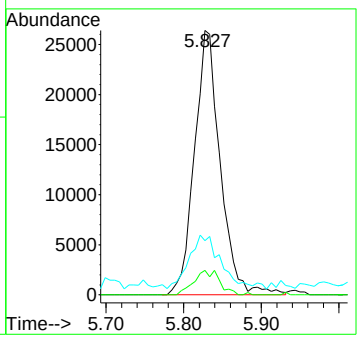


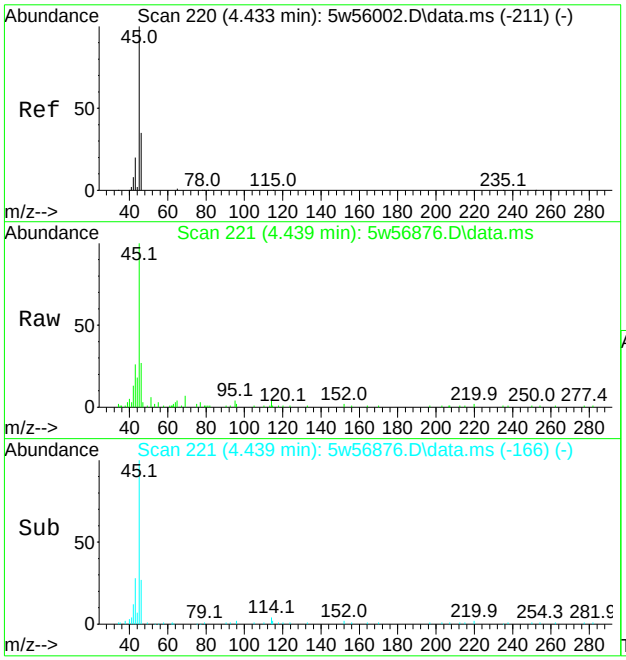


#27
CARBON DISULFIDE
Concen: 0.6136 PPBV
RT: 5.827 min Scan# 448
Delta R.T. -0.000 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 76 Resp: 60737

Ion	Ratio	Lower	Upper
76	100		
78	9.2	0.0	41.3
44	25.7	0.0	47.0

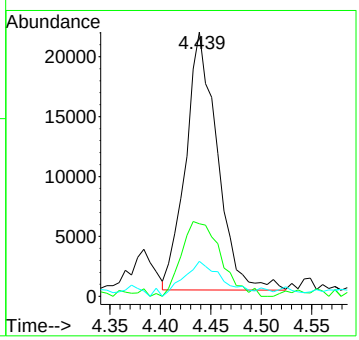


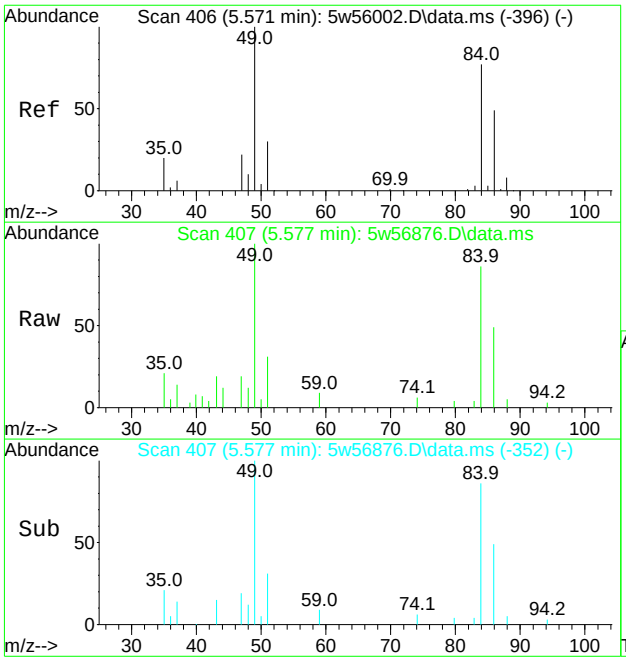


#28
ETHANOL
Concen: 1.6980 PPBV
RT: 4.439 min Scan# 221
Delta R.T. 0.006 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 45 Resp: 46903

Ion	Ratio	Lower	Upper
45	100		
46	35.9	4.8	64.8
42	17.9	0.0	38.6

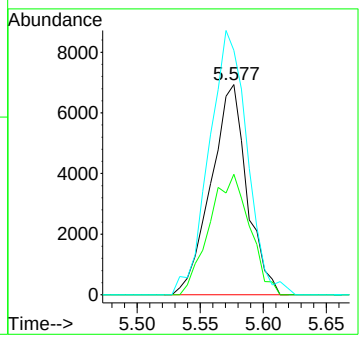


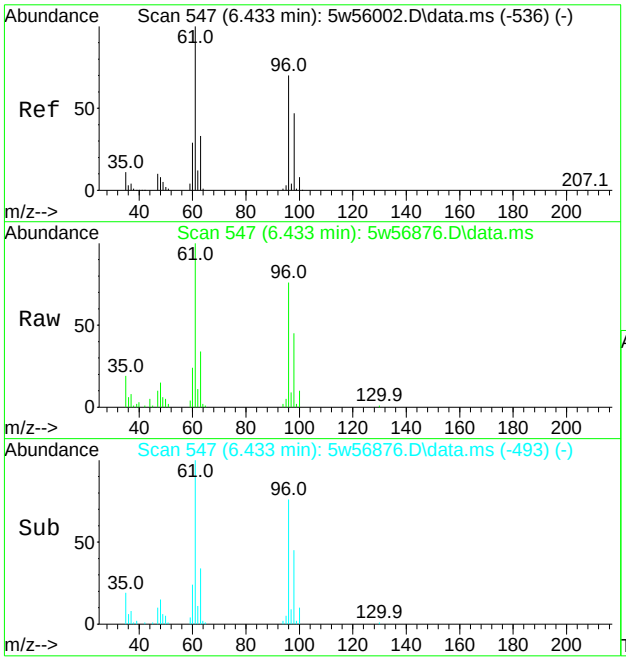


#31
METHYLENE CHLORIDE
Concen: 0.3946 PPBV
RT: 5.577 min Scan# 407
Delta R.T. 0.006 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 84 Resp: 13731

Ion	Ratio	Lower	Upper
84	100		
86	64.4	34.4	94.4
49	133.0	100.0	160.0

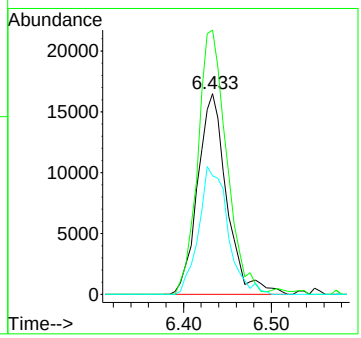


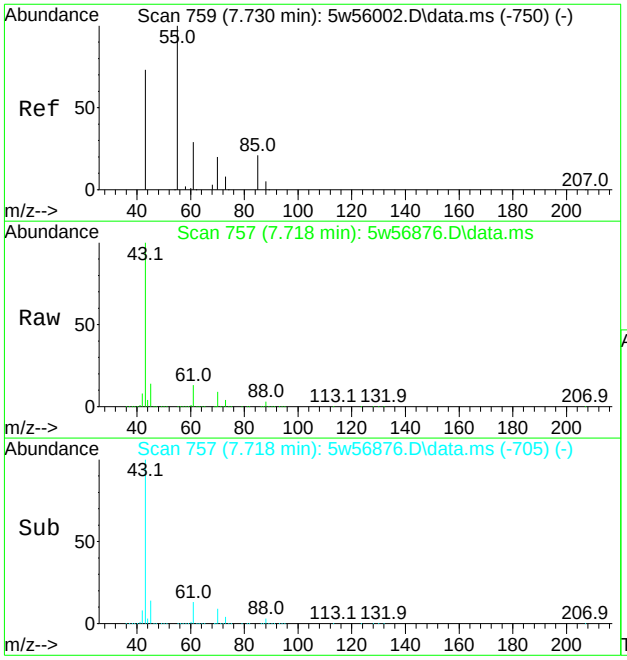


#34
TRANS-1,2-DICHLOROETHYLENE
Concen: 1.0258 PPBV
RT: 6.433 min Scan# 547
Delta R.T. -0.000 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 96 Resp: 38050

Ion	Ratio	Lower	Upper
96	100		
61	129.9	109.7	169.7
98	63.6	35.0	95.0

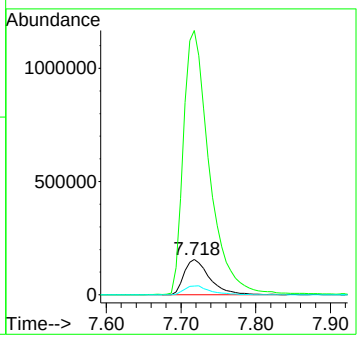


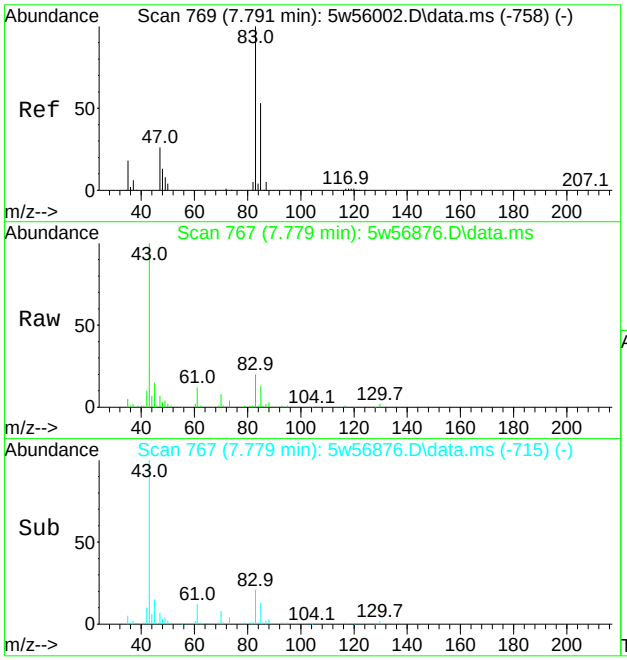


#44
ETHYL ACETATE
Concen: 34.8806 PPBV
RT: 7.718 min Scan# 757
Delta R.T. -0.012 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 61 Resp: 372925

Ion	Ratio	Lower	Upper
61	100		
43	767.7	0.0	30.0#
88	25.6	8.3	68.3

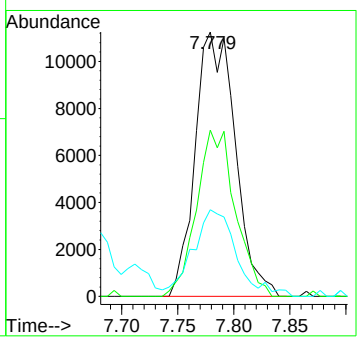


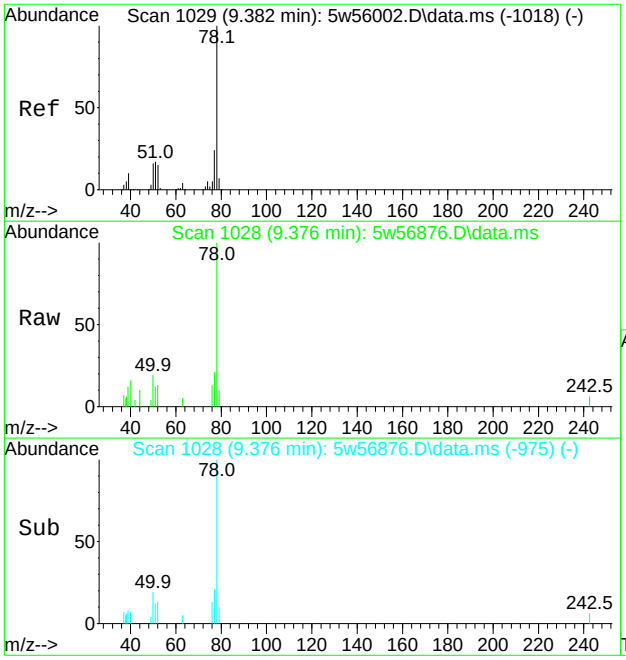


#46
CHLOROFORM
Concen: 0.3310 PPBV
RT: 7.779 min Scan# 767
Delta R.T. -0.012 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 83 Resp: 27975

Ion	Ratio	Lower	Upper
83	100		
85	61.2	35.5	95.5
47	35.6	0.0	55.9

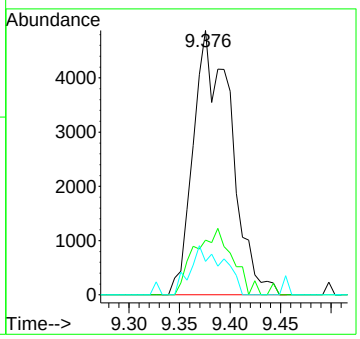


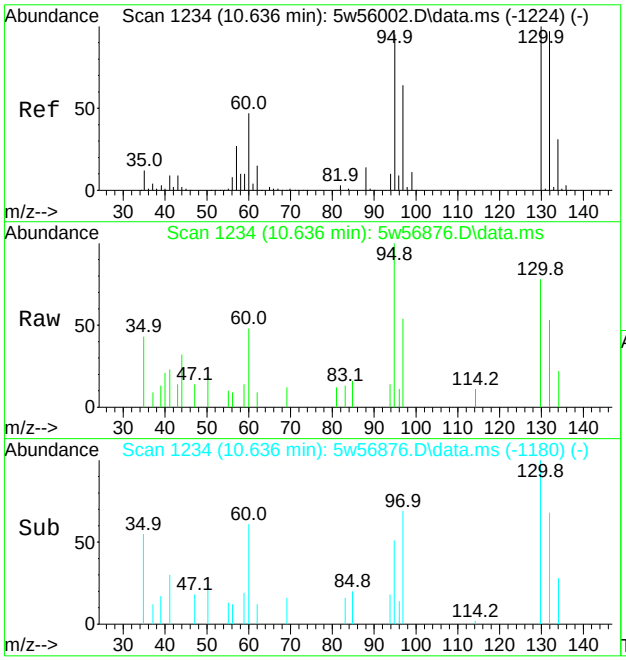


#52
BENZENE
Concen: 0.1084 PPBV
RT: 9.376 min Scan# 1028
Delta R.T. -0.006 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 78 Resp: 12718

Ion	Ratio	Lower	Upper
78	100		
77	25.2	0.0	54.1
52	16.2	0.0	45.0

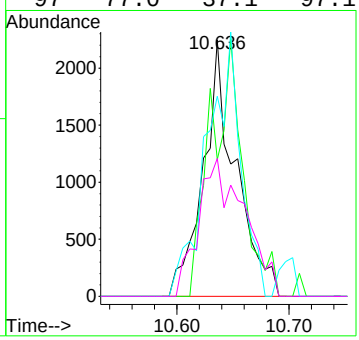


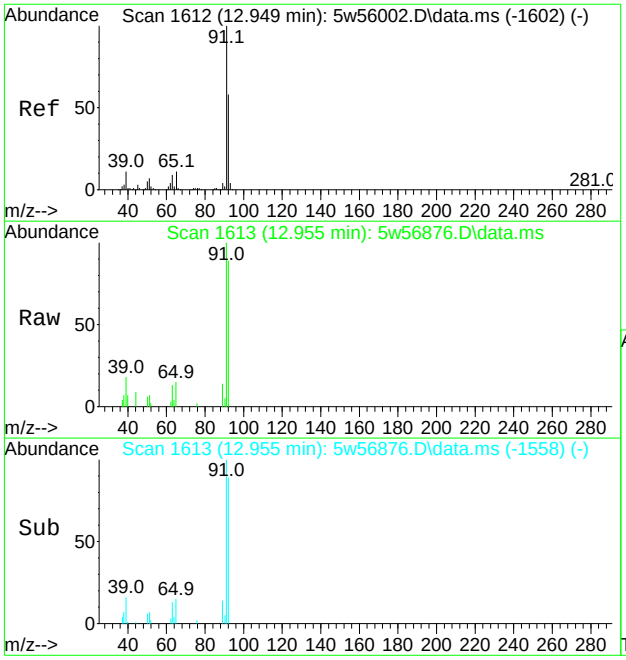


#55
TRICHLOROETHYLENE
Concen: 0.0717 PPBV
RT: 10.636 min Scan# 1234
Delta R.T. -0.000 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 95 Resp: 4488

Ion	Ratio	Lower	Upper
95	100		
132	100.0	74.7	134.7
130	107.3	76.4	136.4
97	77.0	37.1	97.1

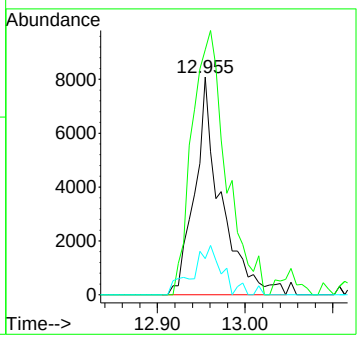


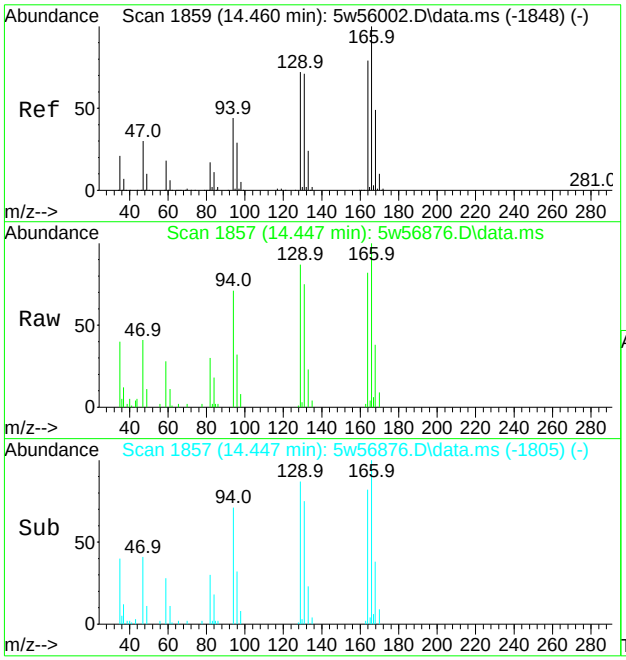


#66
TOLUENE
Concen: 0.1966 PPBV
RT: 12.955 min Scan# 1613
Delta R.T. 0.006 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 92 Resp: 16675

Ion	Ratio	Lower	Upper
92	100		
91	160.0	142.9	202.9
65	25.4	0.0	51.6

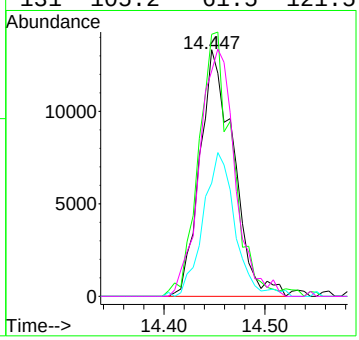


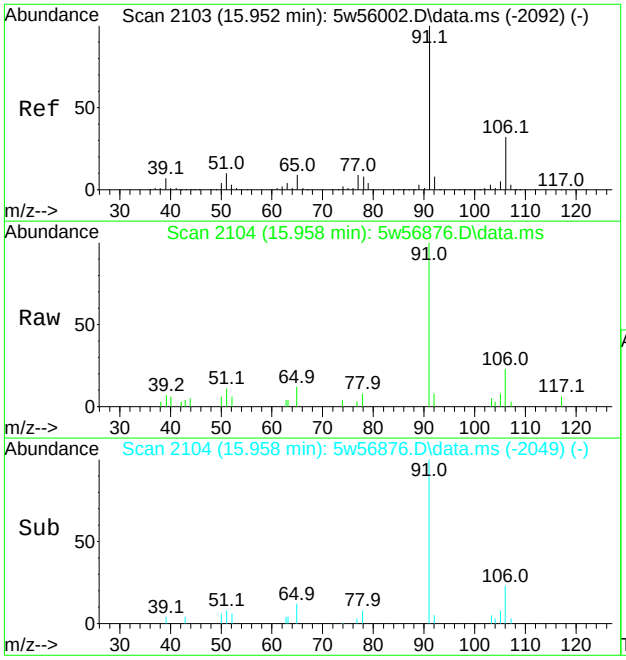


#73
TETRACHLOROETHYLENE
Concen: 0.4926 PPBV
RT: 14.447 min Scan# 1857
Delta R.T. -0.012 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion:164 Resp: 30958

Ion	Ratio	Lower	Upper
164	100		
129	108.0	63.5	123.5
168	55.3	31.0	91.0
131	105.2	61.5	121.5

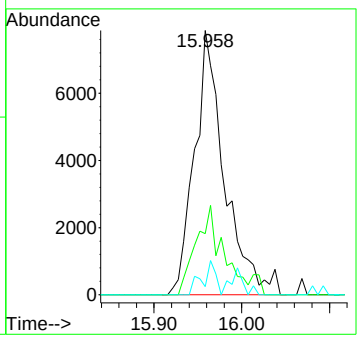


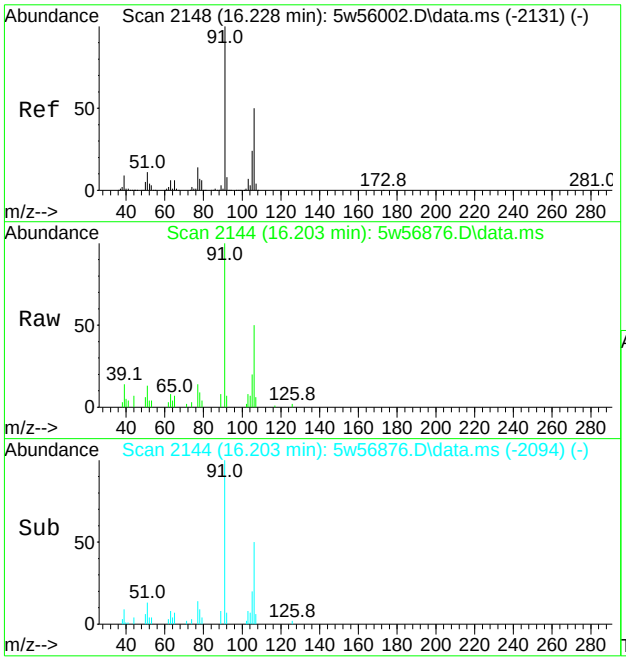


#79
ETHYLBENZENE
Concen: 0.1153 PPBV
RT: 15.958 min Scan# 2104
Delta R.T. 0.006 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 91 Resp: 18723

Ion	Ratio	Lower	Upper
91	100		
106	32.6	1.6	61.6
77	5.7	0.0	38.8

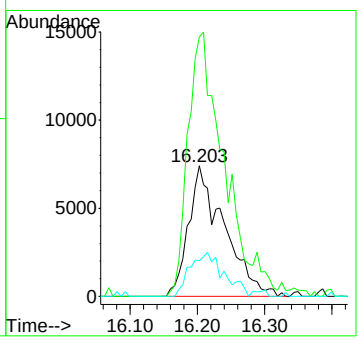


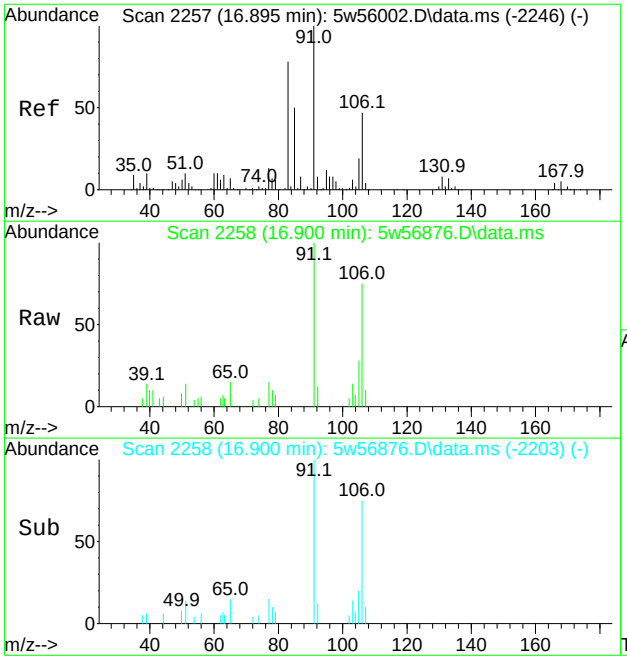


#80
m,p-XYLENE
Concen: 0.4215 PPBV
RT: 16.203 min Scan# 2144
Delta R.T. -0.025 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion:106 Resp: 27411

Ion	Ratio	Lower	Upper
106	100		
91	198.5	168.7	228.7
77	27.2	0.0	57.9

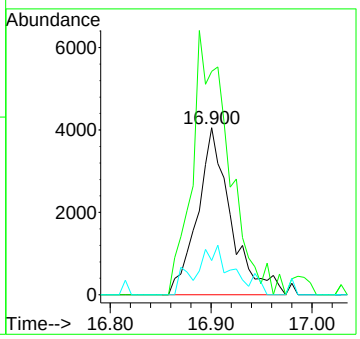


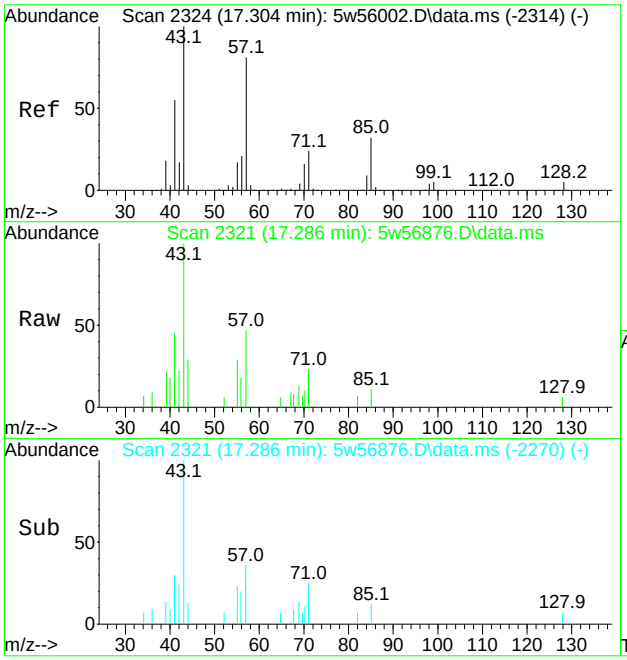


#81
o-XYLENE
Concen: 0.1469 PPBV
RT: 16.900 min Scan# 2258
Delta R.T. 0.006 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion:106 Resp: 9292

Ion	Ratio	Lower	Upper
106	100		
91	172.3	181.0	241.0#
77	33.3	0.0	57.4

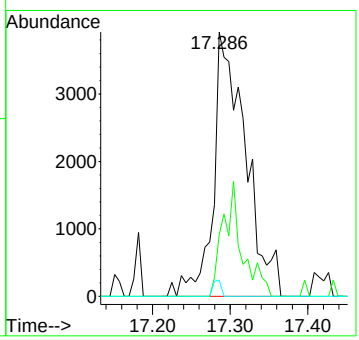


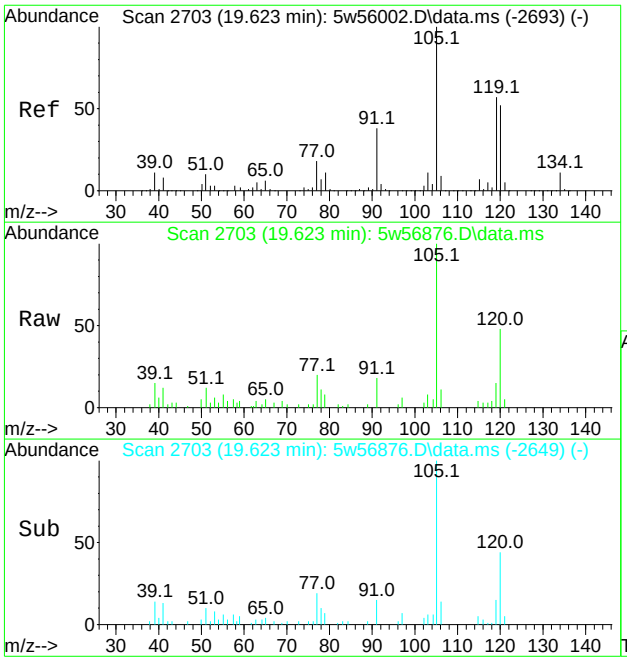


#83
NONANE
Concen: 0.1396 PPBV
RT: 17.286 min Scan# 2321
Delta R.T. -0.019 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion: 43 Resp: 11218

Ion	Ratio	Lower	Upper
43	100		
71	26.2	0.0	53.4
128	1.5	0.0	34.9

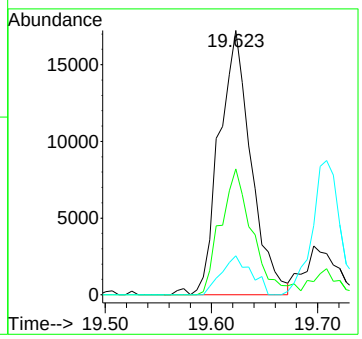


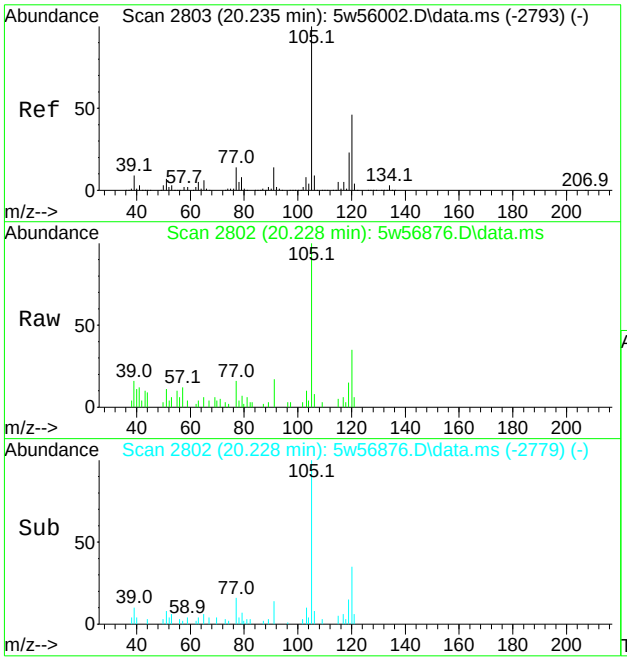


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.2194 PPBV
RT: 19.623 min Scan# 2703
Delta R.T. -0.000 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion:105 Resp: 36046

Ion	Ratio	Lower	Upper
105	100		
120	47.8	26.4	86.4
119	13.8	76.6	136.6#

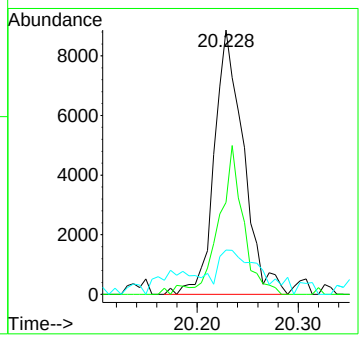


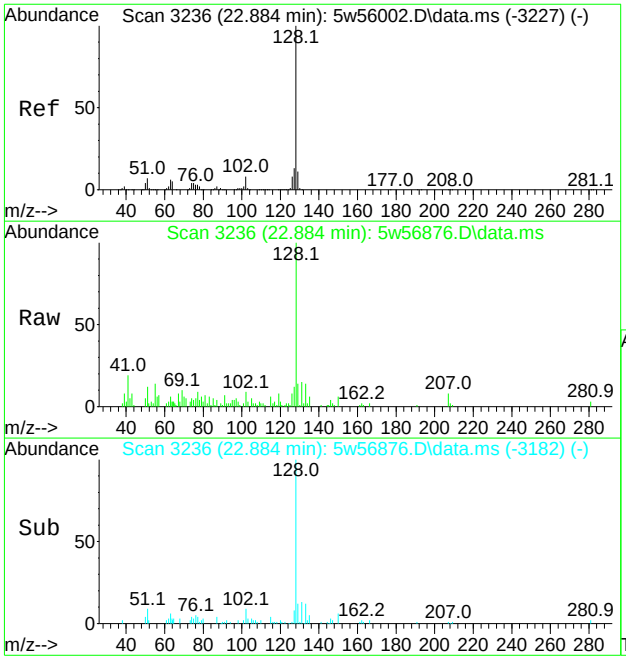


#101
1,2,3-TRIMETHYLBENZENE
Concen: 0.1101 PPBV
RT: 20.228 min Scan# 2802
Delta R.T. -0.006 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion:105 Resp: 17799

Ion	Ratio	Lower	Upper
105	100		
120	45.5	24.3	84.3
91	23.1	0.0	30.0

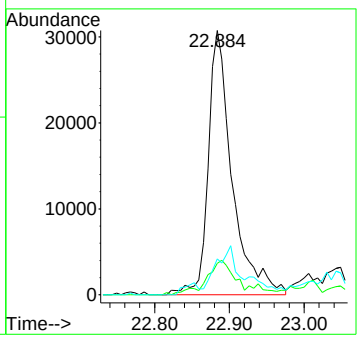




#108
NAPHTHALENE
Concen: 0.2744 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w56876.D
Acq: 14 Feb 2025 2:18 am

Tgt Ion:128 Resp: 68396

Ion	Ratio	Lower	Upper
128	100		
127	17.5	0.0	43.0
129	18.3	0.0	41.1



Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56878.D
Acq On : 14 Feb 2025 3:53 am
Operator : thomash
Sample : je5543-3 Inst : GCMS5W
Misc : MS89637,V5W2179,500,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 15 03:12:16 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

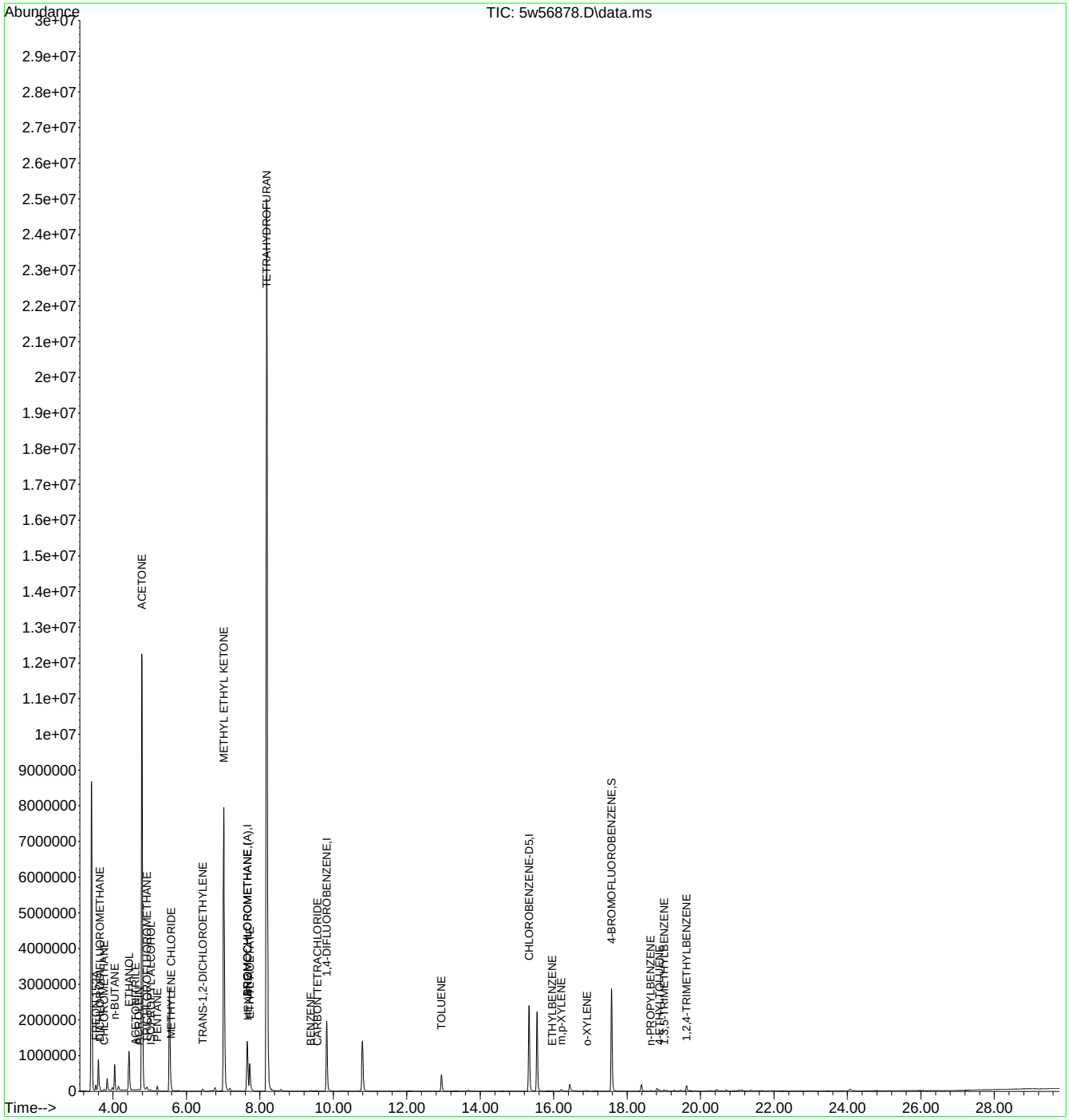
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	425978	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1949819	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.328	82	895298	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.657	128	425978	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.574	95	1216205	11.53	PPBV	-0.01
Spiked Amount 10.000	Range 65 - 128		Recovery = 115.30%			
Target Compounds						Qvalue
3) FREON 152A	3.527	65	58138	1.9266	PPBV	90
6) DICHLORODIFLUOROMETHANE	3.638	85	100199	0.7388	PPBV	100
10) CHLOROMETHANE	3.754	52	11419	0.6147	PPBV	90
13) n-BUTANE	4.047	43	561932	6.3812	PPBV	98
17) ACETONITRILE	4.610	41	6747	0.1319	PPBV #	92
18) ACROLEIN	4.696	56	16235	0.7180	PPBV	91
21) TRICHLOROFLUOROMETHANE	4.922	101	65254	0.4370	PPBV	97
22) ISOPROPYL ALCOHOL	5.032	45	52405	0.6641	PPBV	66
23) ACETONE	4.782	58	3441737	135.6644	PPBV #	59
24) PENTANE	5.204	42	64590	1.6190	PPBV	97
28) ETHANOL	4.433	45	1347791	43.9929	PPBV	98
31) METHYLENE CHLORIDE	5.583	84	14070	0.3646	PPBV	89
34) TRANS-1,2-DICHLOROETHY...	6.446	96	31216	0.7587	PPBV	92
37) TETRAHYDROFURAN	8.183	72	7088229	456.6571	PPBV	97
38) HEXANE	7.675	57	67287	1.2119	PPBV	89
41) METHYL ETHYL KETONE	7.015	72	2657942	169.1804	PPBV	97
44) ETHYL ACETATE	7.724	61	149206	12.5825	PPBV #	77
49) CARBON TETRACHLORIDE	9.559	117	10834	0.1012	PPBV	99
52) BENZENE	9.388	78	27353	0.2173	PPBV	99
66) TOLUENE	12.943	92	246199	2.7050	PPBV	97
79) ETHYLBENZENE	15.953	91	19753	0.1211	PPBV	96
80) m,p-XYLENE	16.203	106	27758	0.4249	PPBV #	78
81) o-XYLENE	16.907	106	10405	0.1638	PPBV	87
91) n-PROPYLBENZENE	18.638	120	6066	0.1171	PPBV #	1
92) 4-ETHYLTOLUENE	18.877	105	35660	0.1935	PPBV	92
93) 1,3,5-TRIMETHYLBENZENE	19.005	105	29153	0.1924	PPBV	96
96) 1,2,4-TRIMETHYLBENZENE	19.617	105	104192	0.6313	PPBV #	38

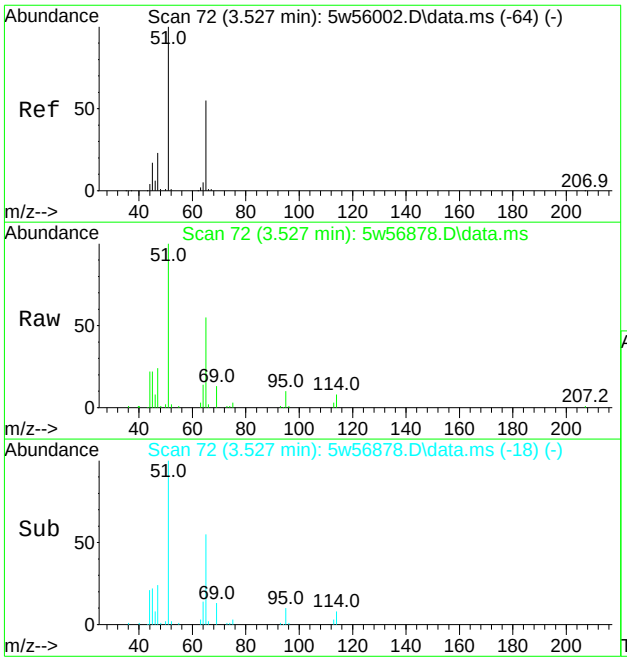
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56878.D
Acq On : 14 Feb 2025 3:53 am
Operator : thomash
Sample : je5543-3 Inst : GCMS5W
Misc : MS89637,V5W2179,500,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 15 03:12:16 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

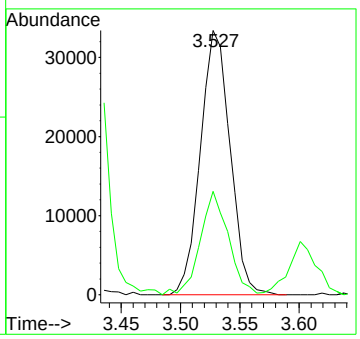


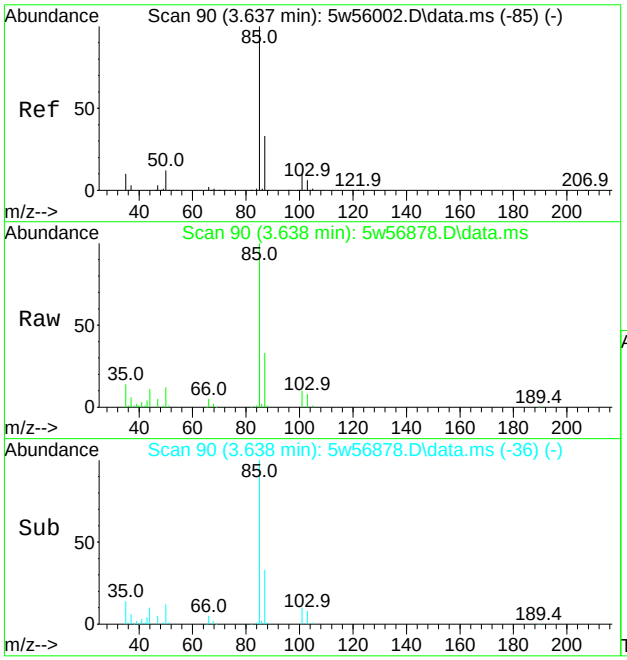


#3
FREON 152A
Concen: 1.9266 PPBV
RT: 3.527 min Scan# 72
Delta R.T. 0.000 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 65 Resp: 58138

Ion	Ratio	Lower	Upper
65	100		
45	37.0	1.3	61.3

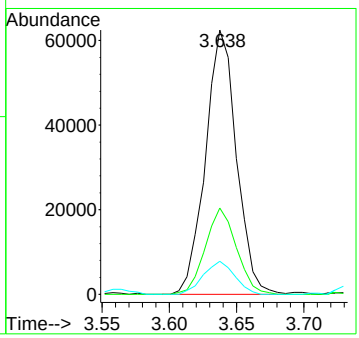


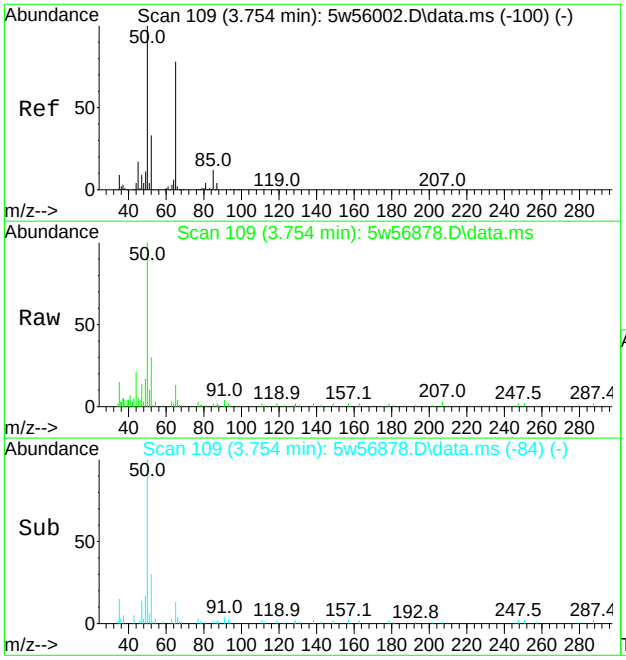


#6
DICHLORODIFLUOROMETHANE
Concen: 0.7388 PPBV
RT: 3.638 min Scan# 90
Delta R.T. 0.000 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 85 Resp: 100199

Ion	Ratio	Lower	Upper
85	100		
87	32.8	2.7	62.7
50	12.7	0.0	42.5

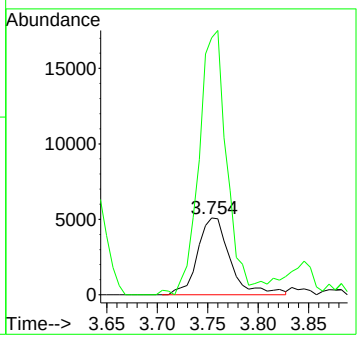


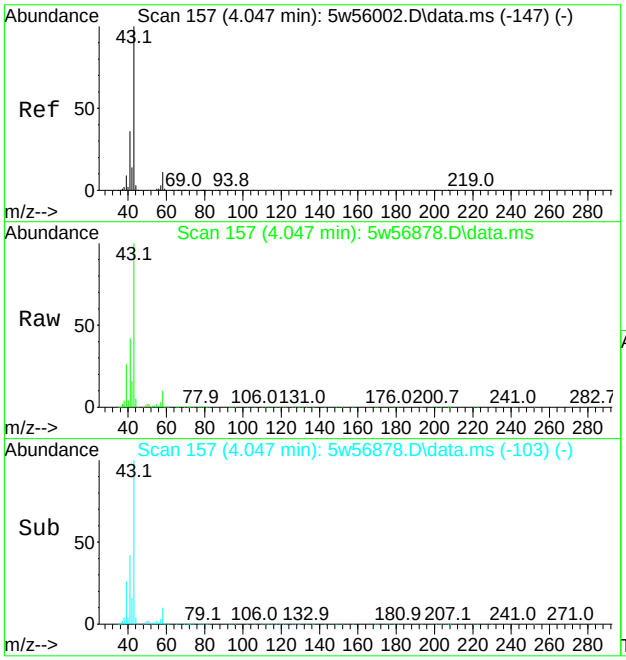


#10
CHLOROMETHANE
Concen: 0.6147 PPBV
RT: 3.754 min Scan# 109
Delta R.T. 0.000 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 52 Resp: 11419

Ion	Ratio	Lower	Upper
52	100		
50	326.8	277.5	337.5

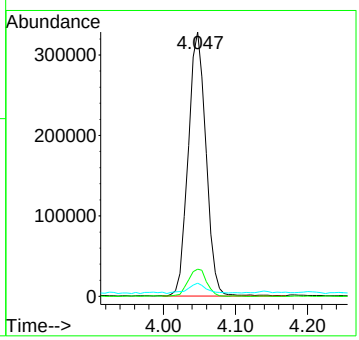


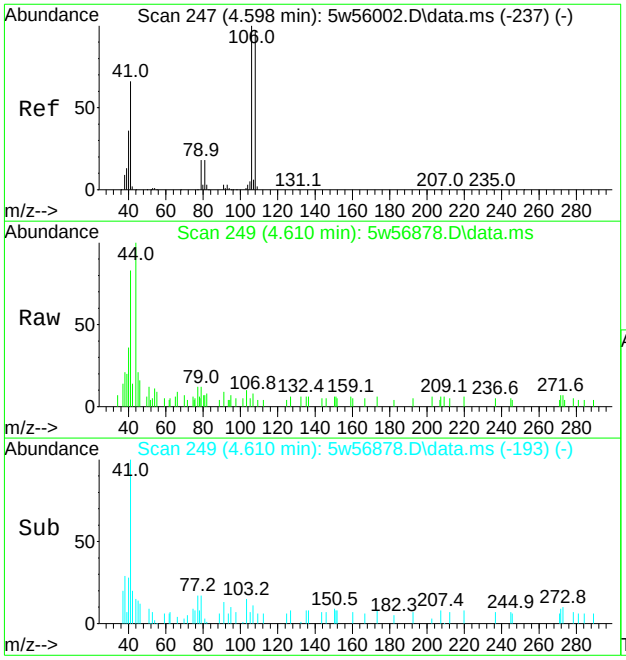


#13
n-BUTANE
Concen: 6.3812 PPBV
RT: 4.047 min Scan# 157
Delta R.T. 0.000 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 43 Resp: 561932

Ion	Ratio	Lower	Upper
43	100		
58	10.9	0.0	40.6
44	4.3	0.0	36.0

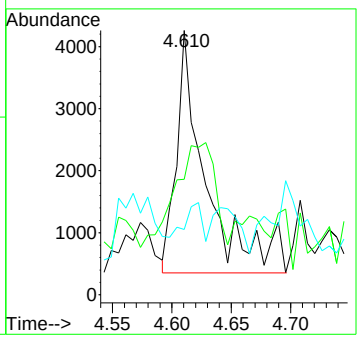


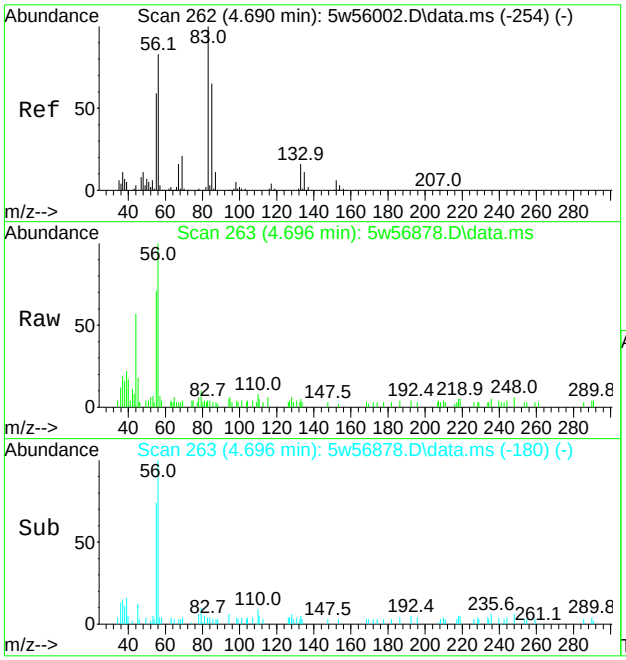


#17
ACETONITRILE
Concen: 0.1319 PPBV
RT: 4.610 min Scan# 249
Delta R.T. 0.012 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 41 Resp: 6747

Ion	Ratio	Lower	Upper
41	100		
40	54.9	38.2	71.0
39	7.1	13.9	25.9#

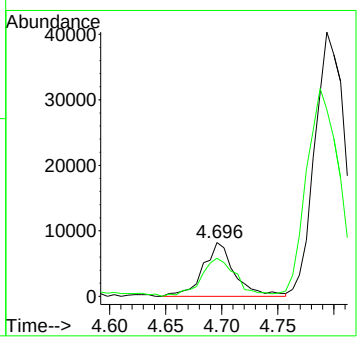


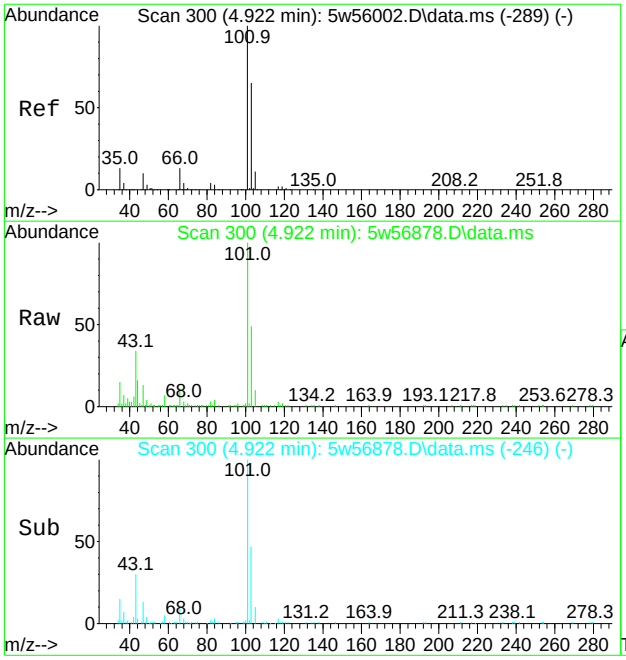


#18
ACROLEIN
Concen: 0.7180 PPBV
RT: 4.696 min Scan# 263
Delta R.T. 0.006 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 56 Resp: 16235

Ion	Ratio	Lower	Upper
56	100		
55	78.0	49.2	91.4

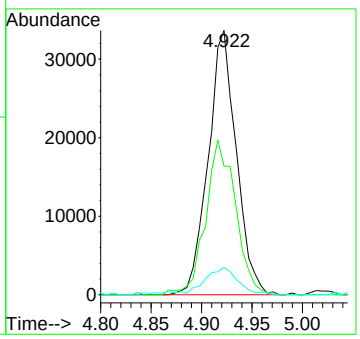


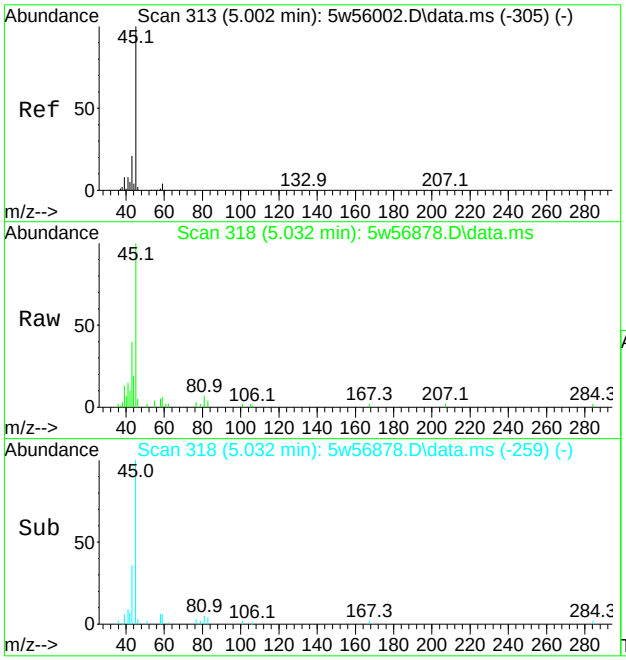


#21
TRICHLOROFLUOROMETHANE
Concen: 0.4370 PPBV
RT: 4.922 min Scan# 300
Delta R.T. 0.000 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion:101 Resp: 65254

Ion	Ratio	Lower	Upper
101	100		
103	62.5	34.8	94.8
105	12.2	0.0	40.9

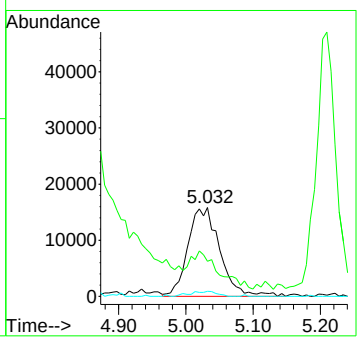


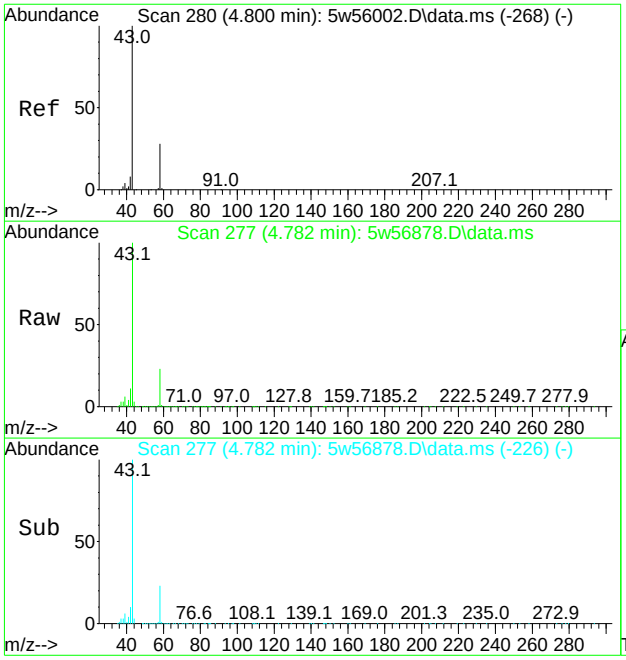


#22
ISOPROPYL ALCOHOL
Concen: 0.6641 PPBV
RT: 5.032 min Scan# 318
Delta R.T. 0.031 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 45 Resp: 52405

Ion	Ratio	Lower	Upper
45	100		
43	39.6	0.0	51.3
59	5.8	0.0	33.7

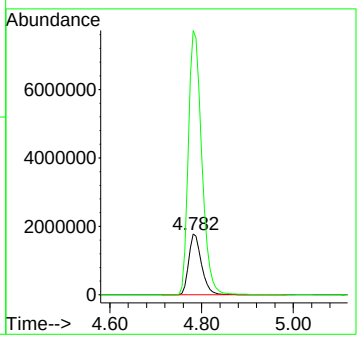


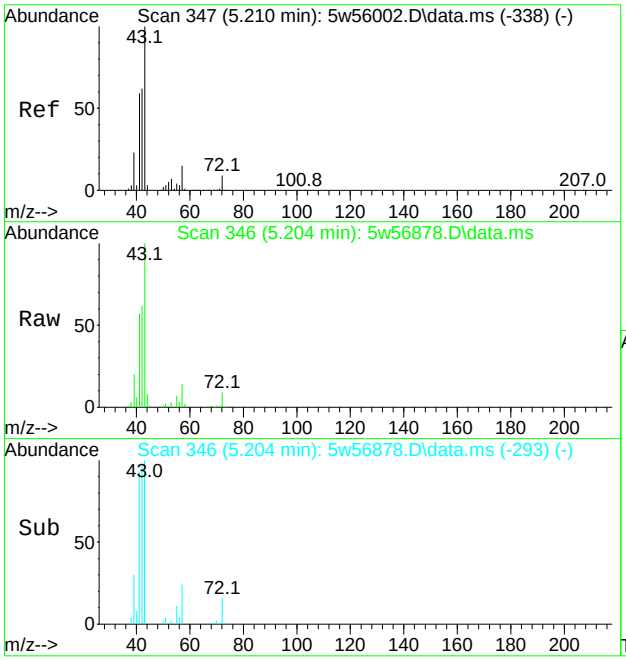


#23
ACETONE
Concen: 135.6644 PPBV
RT: 4.782 min Scan# 277
Delta R.T. -0.018 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 58 Resp: 3441737

Ion	Ratio	Lower	Upper
58	100		
43	456.4	334.9	394.9#

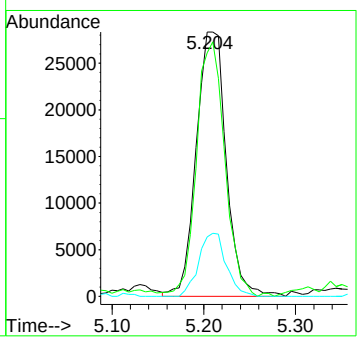


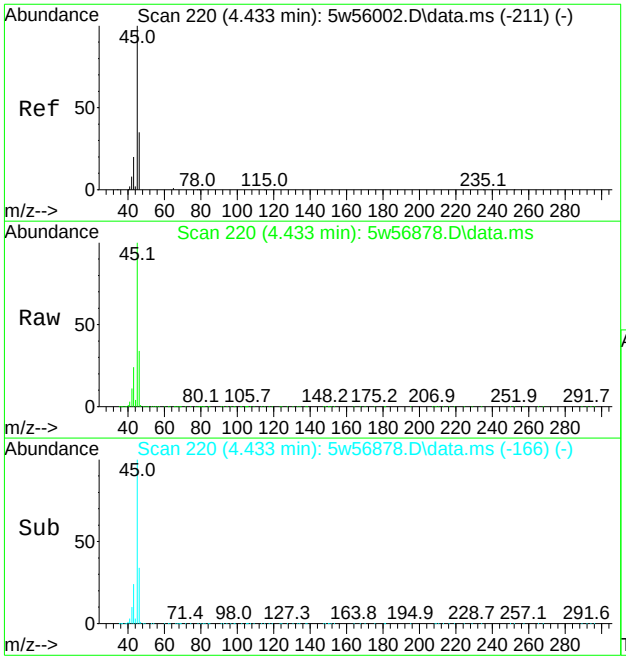


#24
PENTANE
Concen: 1.6190 PPBV
RT: 5.204 min Scan# 346
Delta R.T. -0.006 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 42 Resp: 64590

Ion	Ratio	Lower	Upper
42	100		
41	90.6	63.7	123.7
57	21.8	0.0	53.4

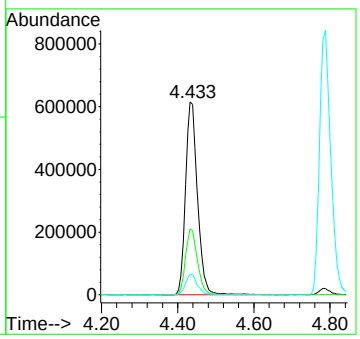


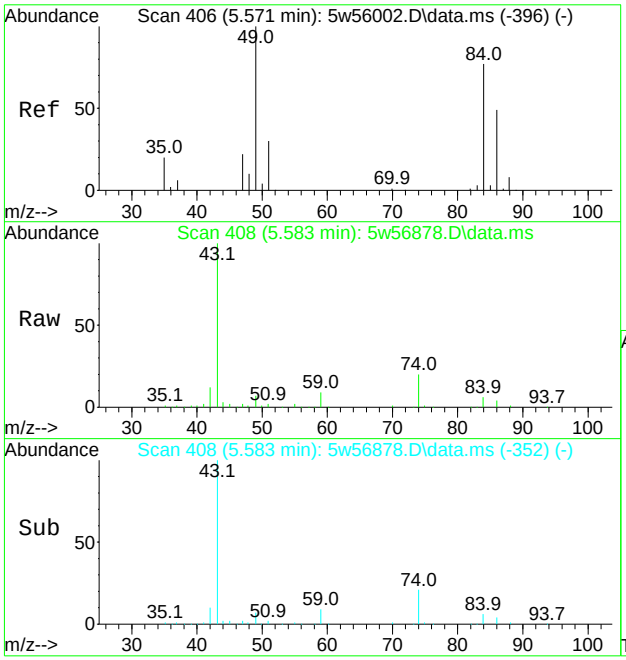


#28
ETHANOL
Concen: 43.9929 PPBV
RT: 4.433 min Scan# 220
Delta R.T. 0.000 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 45 Resp: 1347791

Ion	Ratio	Lower	Upper
45	100		
46	33.9	4.8	64.8
42	10.5	0.0	38.6

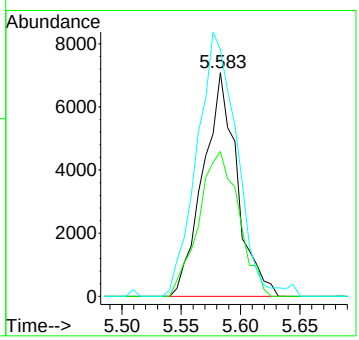


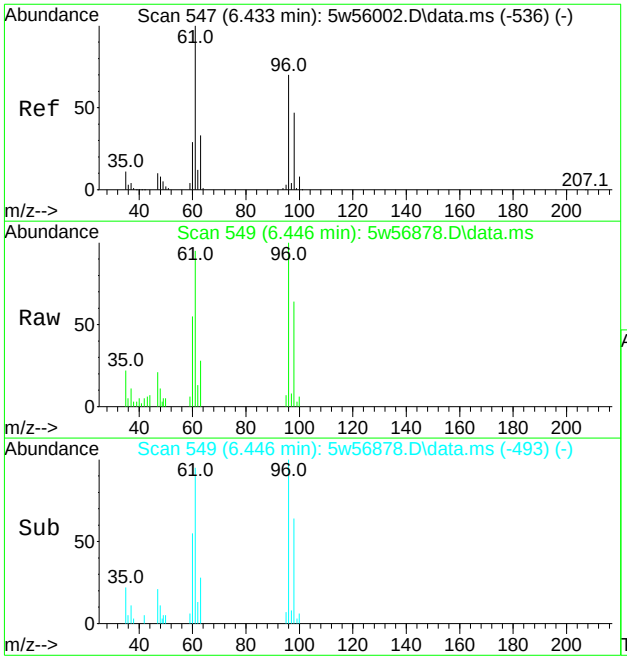


#31
METHYLENE CHLORIDE
Concen: 0.3646 PPBV
RT: 5.583 min Scan# 408
Delta R.T. 0.012 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 84 Resp: 14070

Ion	Ratio	Lower	Upper
84	100		
86	76.7	34.4	94.4
49	139.6	100.0	160.0

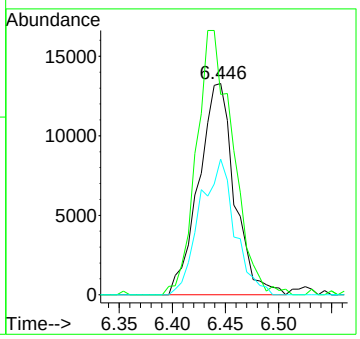


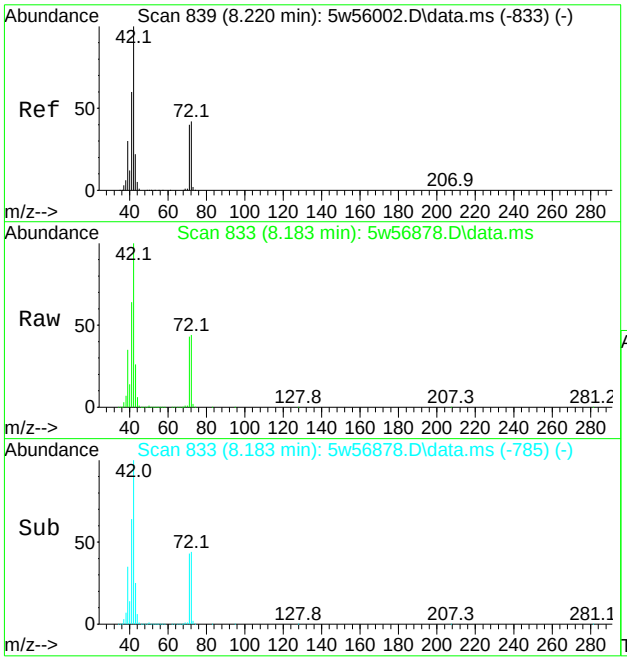


#34
TRANS-1,2-DICHLOROETHYLENE
Concen: 0.7587 PPBV
RT: 6.446 min Scan# 549
Delta R.T. 0.012 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 96 Resp: 31216

Ion	Ratio	Lower	Upper
96	100		
61	127.5	109.7	169.7
98	62.8	35.0	95.0

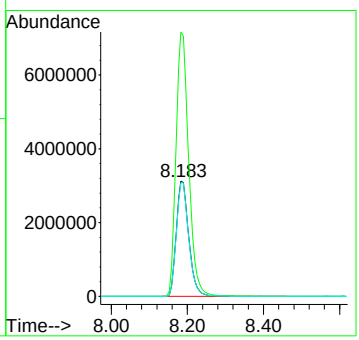


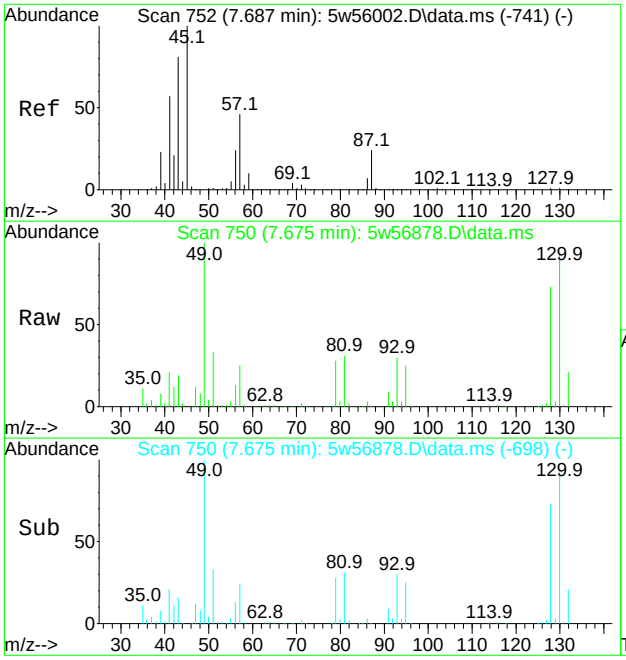


#37
TETRAHYDROFURAN
Concen: 456.6571 PPBV
RT: 8.183 min Scan# 833
Delta R.T. -0.037 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 72 Resp: 7088229

Ion	Ratio	Lower	Upper
72	100		
42	233.3	209.0	269.0
71	98.3	67.8	127.8

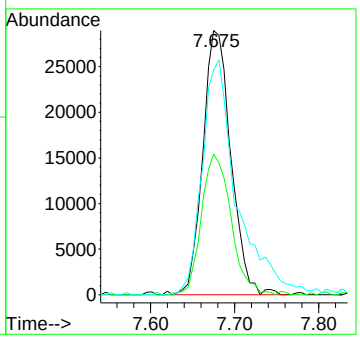


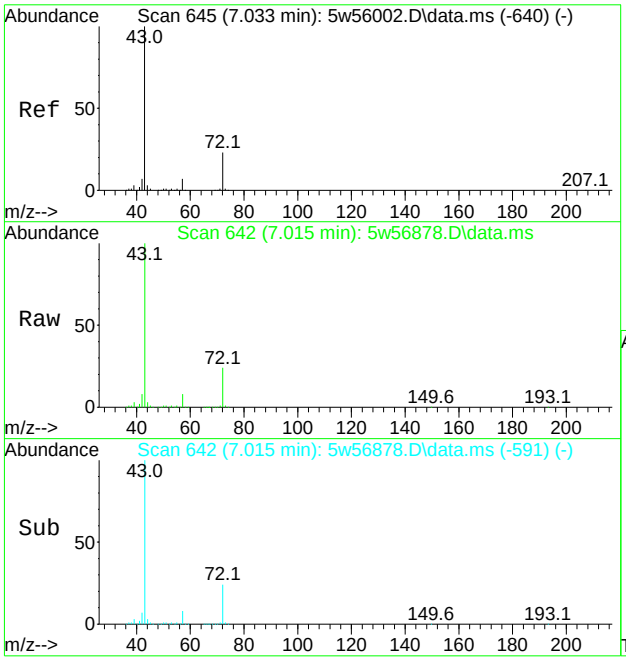


#38
HEXANE
Concen: 1.2119 PPBV
RT: 7.675 min Scan# 750
Delta R.T. -0.012 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 57 Resp: 67287

Ion	Ratio	Lower	Upper
57	100		
56	55.9	25.0	85.0
41	111.7	100.0	160.0

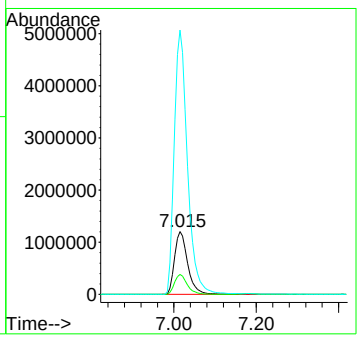


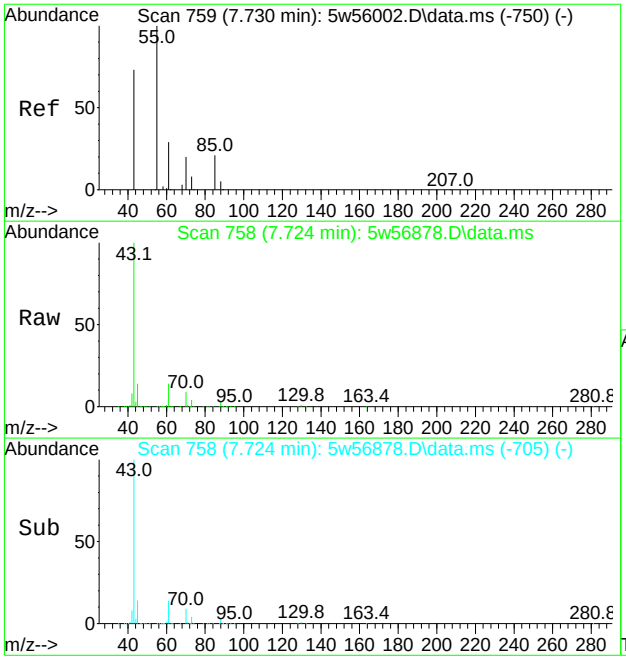


#41
METHYL ETHYL KETONE
Concen: 169.1804 PPBV
RT: 7.015 min Scan# 642
Delta R.T. -0.018 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 72 Resp: 2657942

Ion	Ratio	Lower	Upper
72	100		
57	31.7	0.0	59.5
43	420.9	398.1	458.1

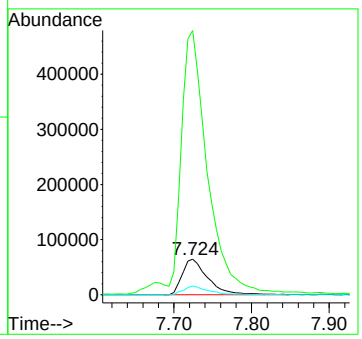


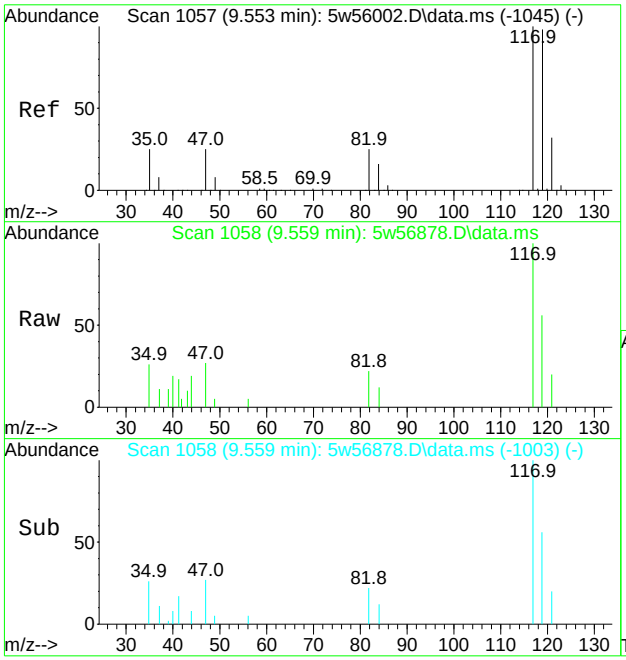


#44
ETHYL ACETATE
Concen: 12.5825 PPBV
RT: 7.724 min Scan# 758
Delta R.T. -0.006 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 61 Resp: 149206

Ion	Ratio	Lower	Upper
61	100		
43	759.7	0.0	30.0#
88	24.1	8.3	68.3

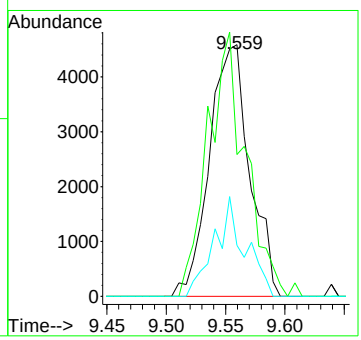


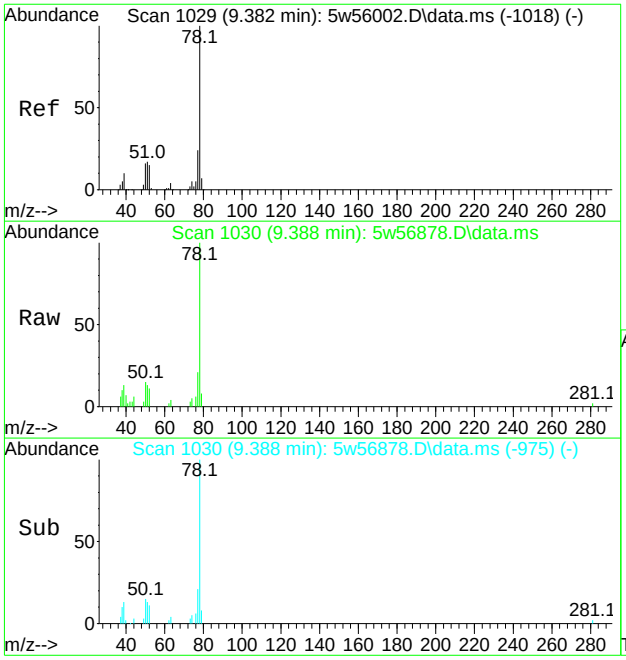


#49
CARBON TETRACHLORIDE
Concen: 0.1012 PPBV
RT: 9.559 min Scan# 1058
Delta R.T. 0.006 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion:117 Resp: 10834

Ion	Ratio	Lower	Upper
117	100		
119	97.7	67.6	127.6
121	29.8	1.5	61.5

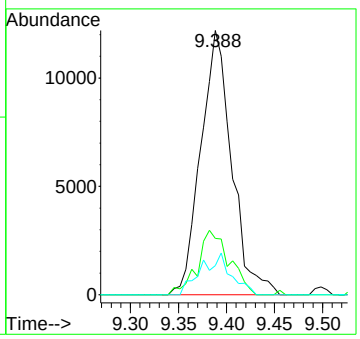


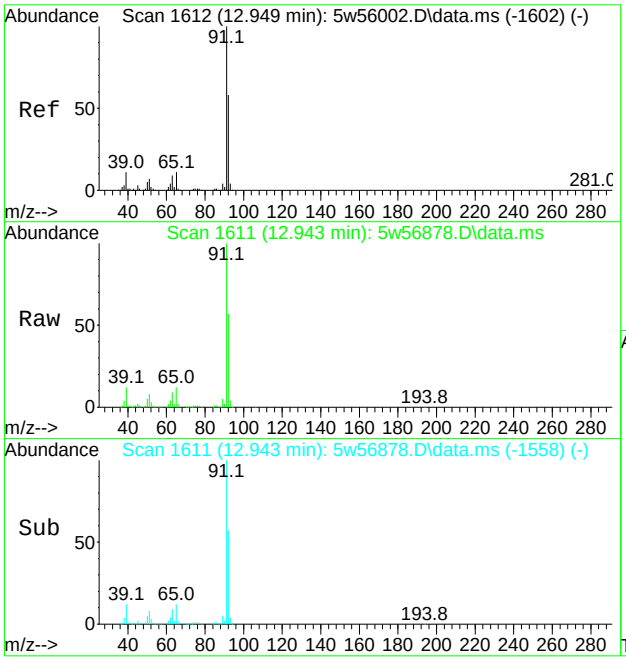


#52
BENZENE
Concen: 0.2173 PPBV
RT: 9.388 min Scan# 1030
Delta R.T. 0.006 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 78 Resp: 27353

Ion	Ratio	Lower	Upper
78	100		
77	25.1	0.0	54.1
52	15.2	0.0	45.0

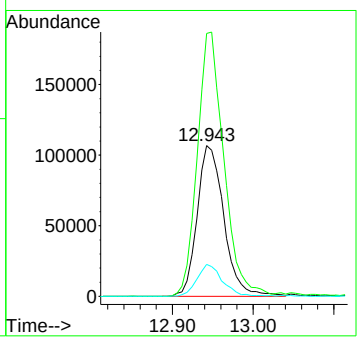


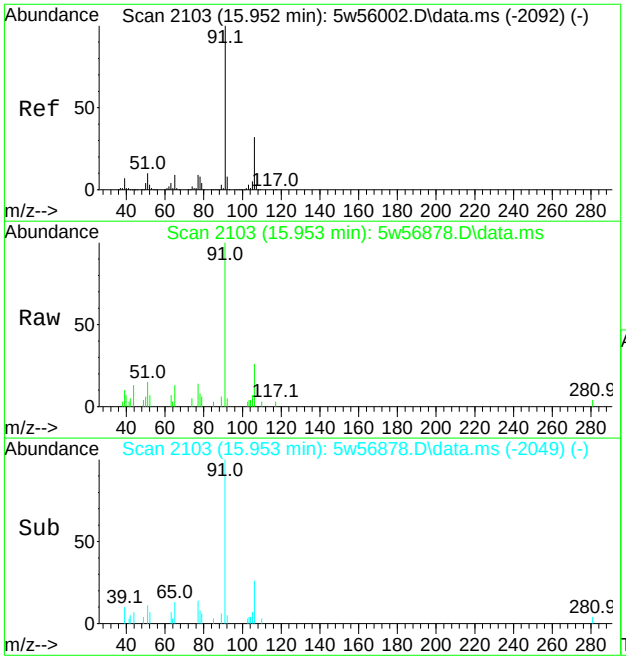


#66
TOLUENE
Concen: 2.7050 PPBV
RT: 12.943 min Scan# 1611
Delta R.T. -0.006 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 92 Resp: 246199

Ion	Ratio	Lower	Upper
92	100		
91	176.7	142.9	202.9
65	20.4	0.0	51.6

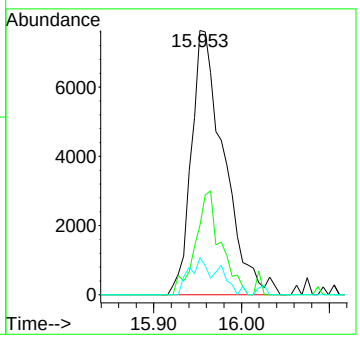


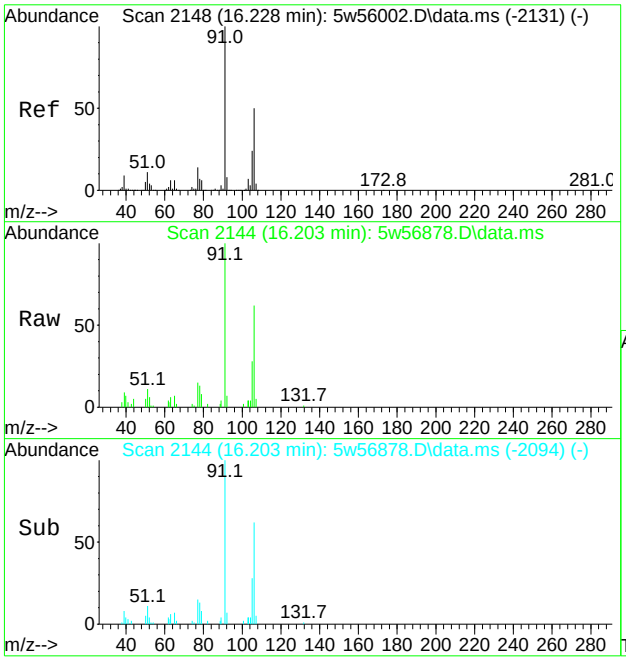


#79
ETHYLBENZENE
Concen: 0.1211 PPBV
RT: 15.953 min Scan# 2103
Delta R.T. 0.000 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion: 91 Resp: 19753

Ion	Ratio	Lower	Upper
91	100		
106	30.4	1.6	61.6
77	12.6	0.0	38.8

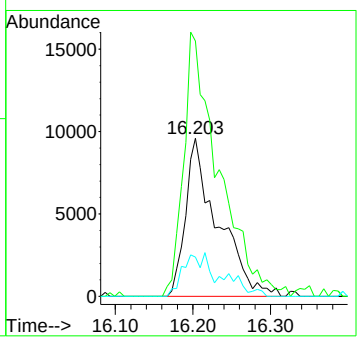


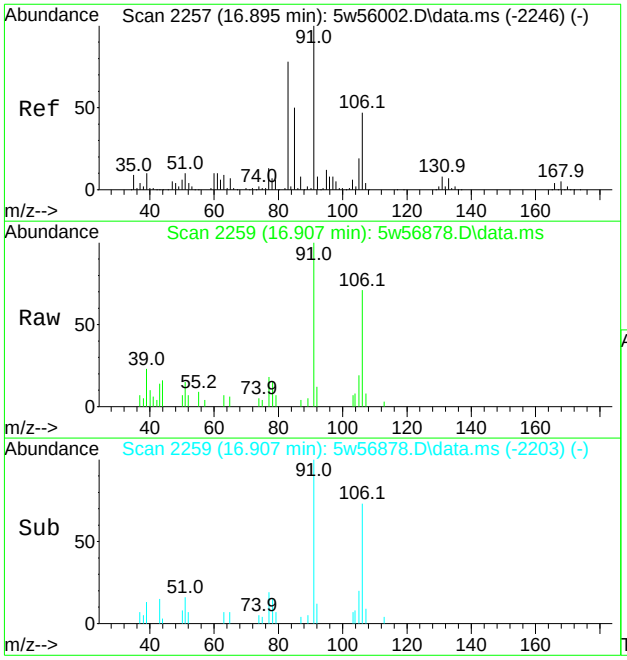


#80
m,p-XYLENE
Concen: 0.4249 PPBV
RT: 16.203 min Scan# 2144
Delta R.T. -0.024 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion:106 Resp: 27758

Ion	Ratio	Lower	Upper
106	100		
91	161.5	168.7	228.7#
77	24.8	0.0	57.9

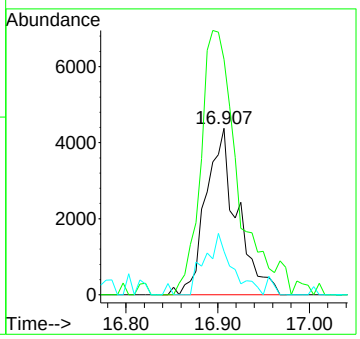


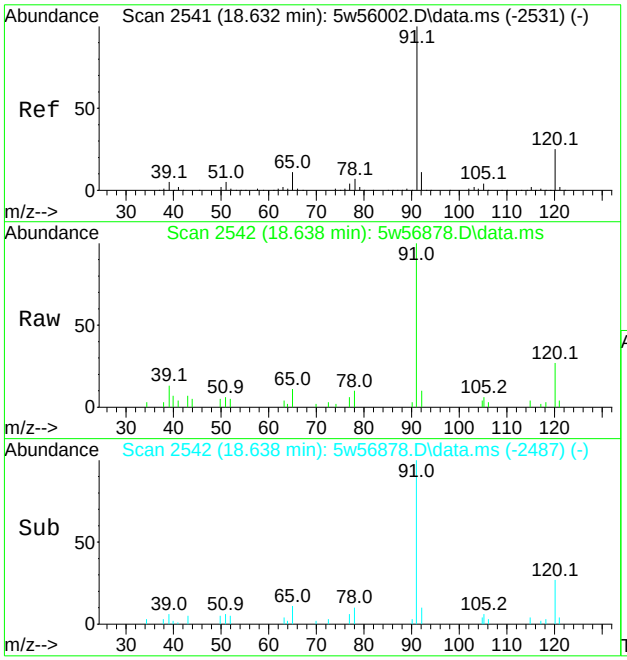


#81
o-XYLENE
Concen: 0.1638 PPBV
RT: 16.907 min Scan# 2259
Delta R.T. 0.012 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion:106 Resp: 10405

Ion	Ratio	Lower	Upper
106	100		
91	189.7	181.0	241.0
77	31.9	0.0	57.4

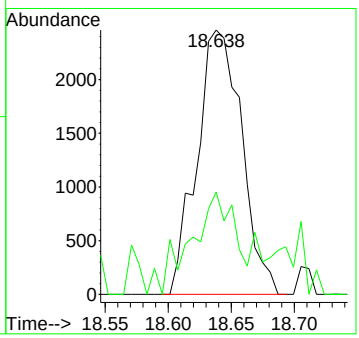


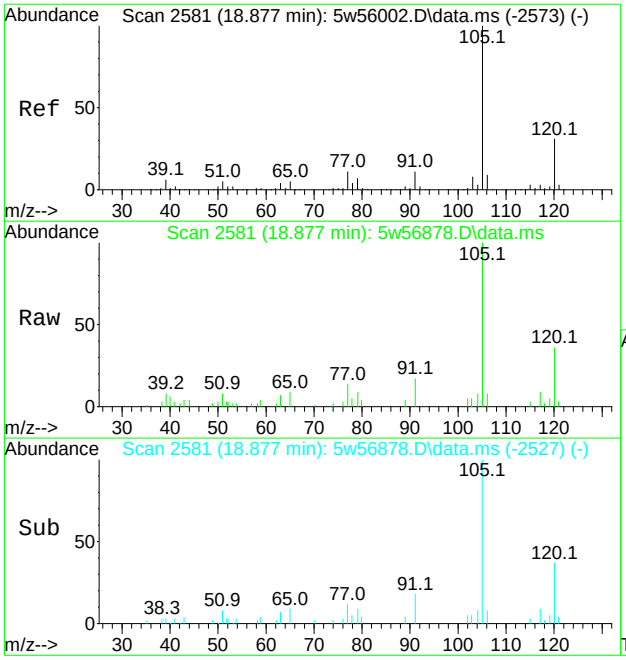


#91
n-PROPYLBENZENE
Concen: 0.1171 PPBV
RT: 18.638 min Scan# 2542
Delta R.T. 0.006 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion:120 Resp: 6066

Ion	Ratio	Lower	Upper
120	100		
105	58.5	0.0	46.2#

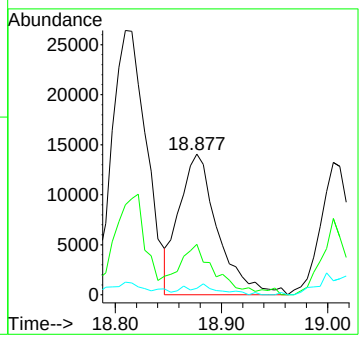


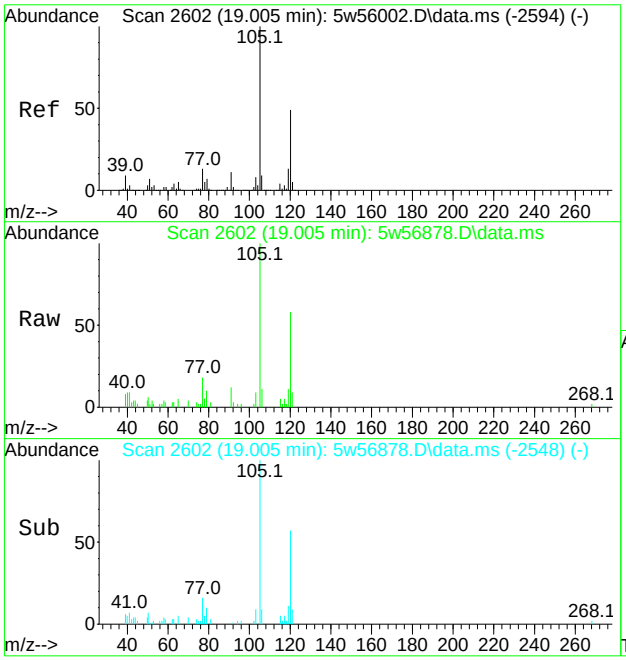


#92
4-ETHYLTOLUENE
Concen: 0.1935 PPBV
RT: 18.877 min Scan# 2581
Delta R.T. 0.000 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion:105 Resp: 35660

Ion	Ratio	Lower	Upper
105	100		
120	34.4	0.0	60.0
119	6.2	0.0	32.3

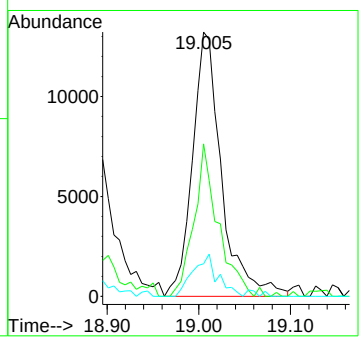


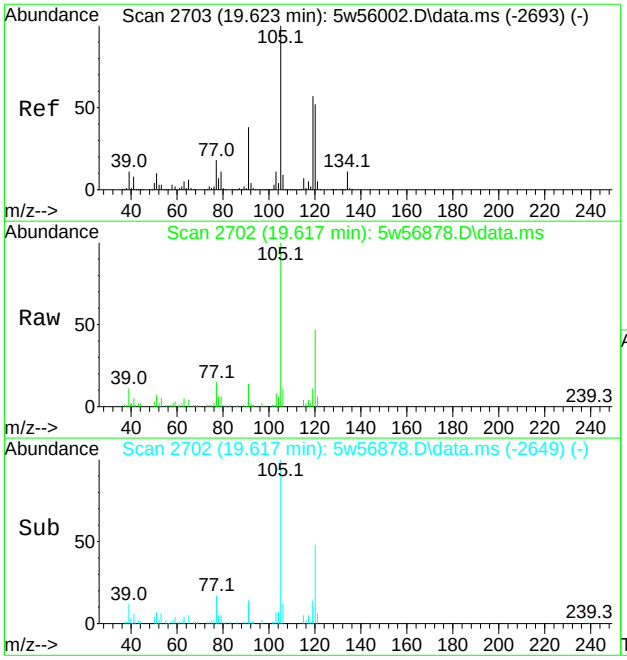


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.1924 PPBV
RT: 19.005 min Scan# 2602
Delta R.T. 0.000 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion:105 Resp: 29153

Ion	Ratio	Lower	Upper
105	100		
120	47.6	19.6	79.6
91	13.5	0.0	41.0

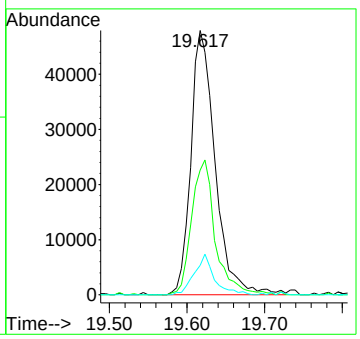




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.6313 PPBV
RT: 19.617 min Scan# 2702
Delta R.T. -0.006 min
Lab File: 5w56878.D
Acq: 14 Feb 2025 3:53 am

Tgt Ion:105 Resp: 104192

Ion	Ratio	Lower	Upper
105	100		
120	49.6	26.4	86.4
119	12.7	76.6	136.6#



Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56887.D
Acq On : 14 Feb 2025 10:44 am
Operator : thomash
Sample : je5543-3 Inst : GCMS5W
Misc : MS89637,V5W2179,20,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 15 03:14:24 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

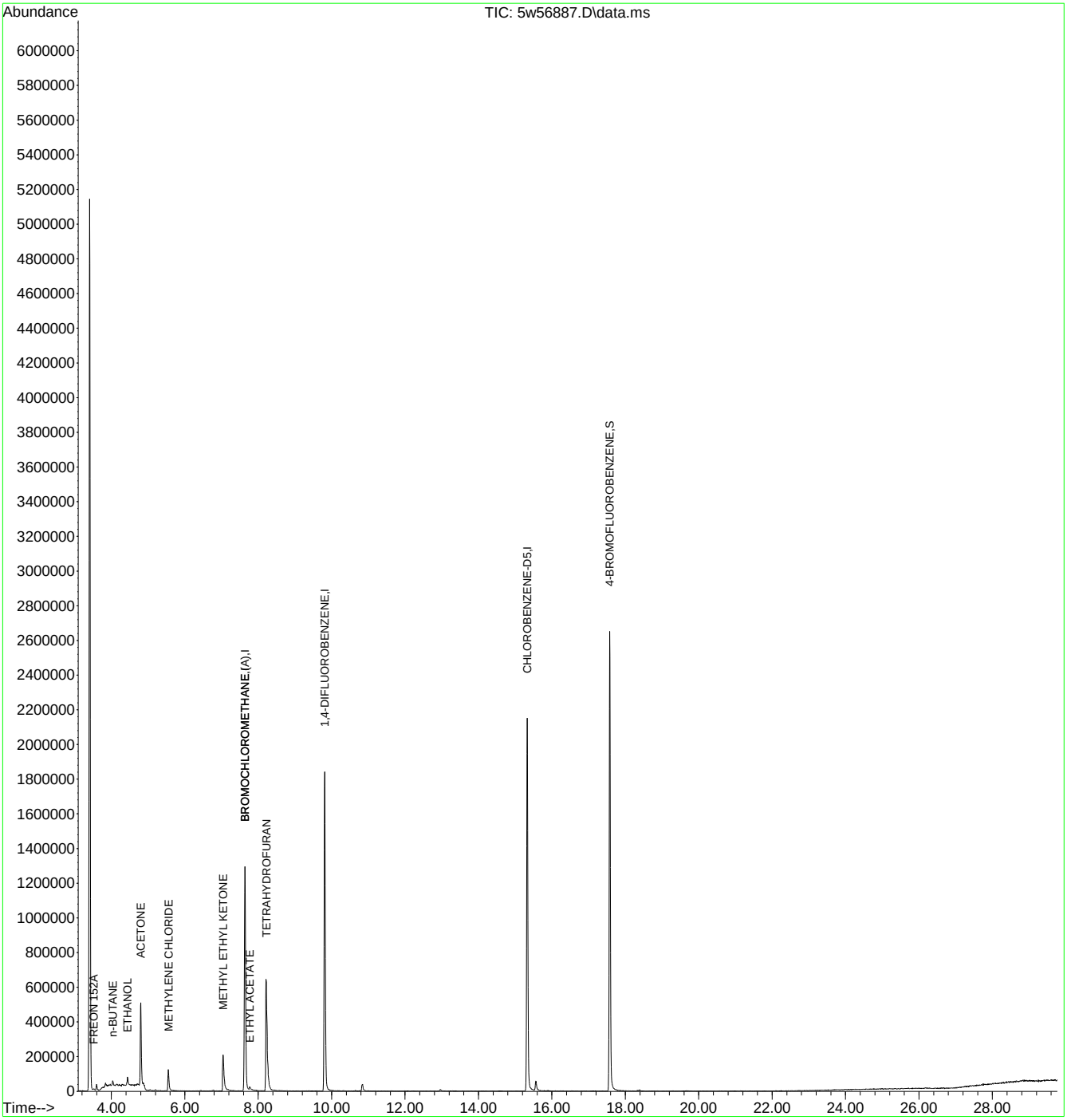
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.638	128	403349	10.00	PPBV	-0.01
51) 1,4-DIFLUOROBENZENE	9.810	114	1796186	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.328	82	769653	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.638	128	403349	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.573	95	1052446	11.61	PPBV	-0.01
Spiked Amount 10.000	Range 65 - 128		Recovery = 116.10%			
Target Compounds						Qvalue
3) FREON 152A	3.515	65	3014	0.1055	PPBV	49
13) n-BUTANE	4.041	43	21543	0.2584	PPBV	85
23) ACETONE	4.800	58	127609	5.3122	PPBV #	59
28) ETHANOL	4.439	45	50436	1.7386	PPBV	98
31) METHYLENE CHLORIDE	5.564	84	5885	0.1610	PPBV	94
37) TETRAHYDROFURAN	8.219	72	229811	15.6361	PPBV	97
41) METHYL ETHYL KETONE	7.039	72	79681	5.3563	PPBV #	85
44) ETHYL ACETATE	7.767	61	4346	0.3871	PPBV #	44

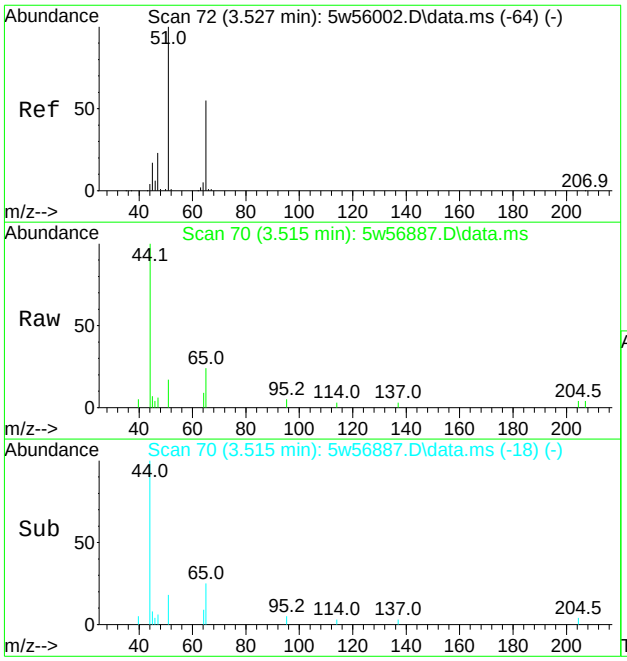
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56887.D
Acq On : 14 Feb 2025 10:44 am
Operator : thomash
Sample : je5543-3 Inst : GCMS5W
Misc : MS89637,V5W2179,20,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 15 03:14:24 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

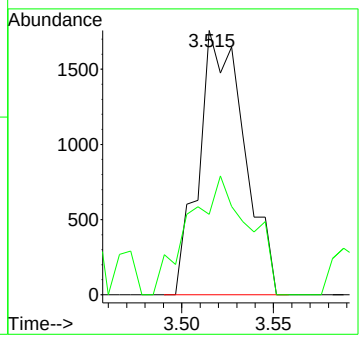


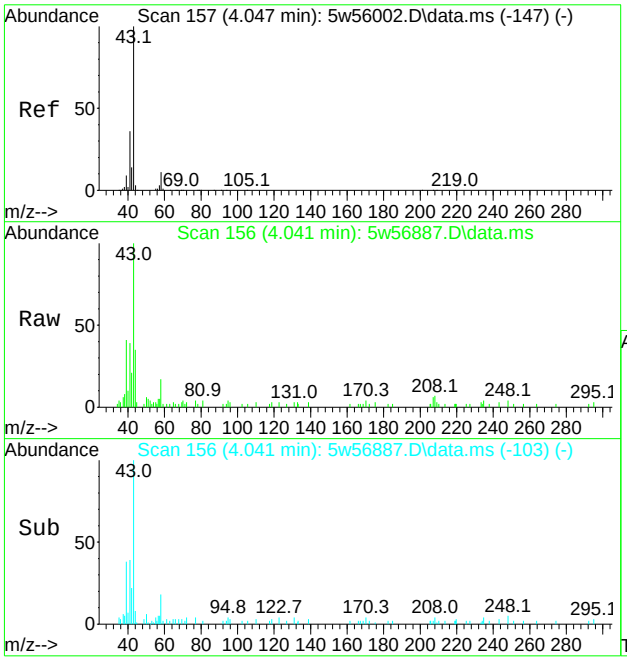


#3
FREON 152A
Concen: 0.1055 PPBV
RT: 3.515 min Scan# 70
Delta R.T. -0.012 min
Lab File: 5w56887.D
Acq: 14 Feb 2025 10:44 am

Tgt Ion: 65 Resp: 3014

Ion	Ratio	Lower	Upper
65	100		
45	59.6	1.3	61.3

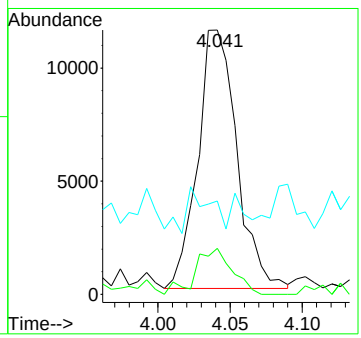


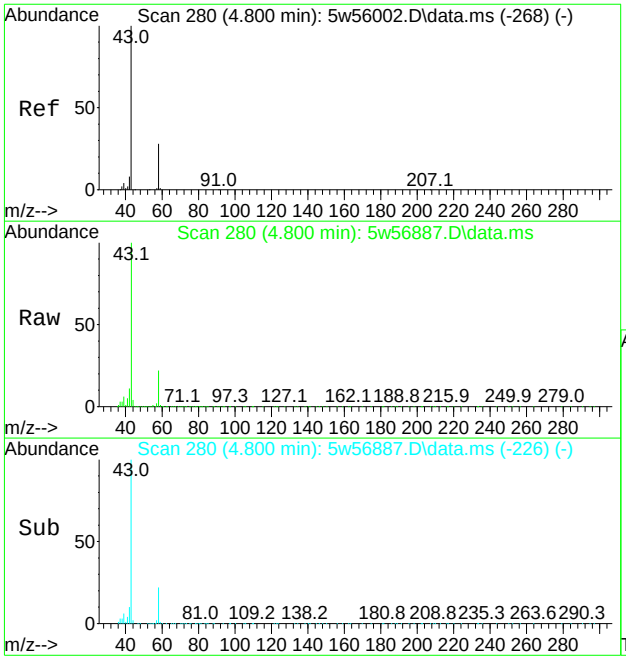


#13
n-BUTANE
Concen: 0.2584 PPBV
RT: 4.041 min Scan# 156
Delta R.T. -0.006 min
Lab File: 5w56887.D
Acq: 14 Feb 2025 10:44 am

Tgt Ion: 43 Resp: 21543

Ion	Ratio	Lower	Upper
43	100		
58	16.7	0.0	40.6
44	10.6	0.0	36.0

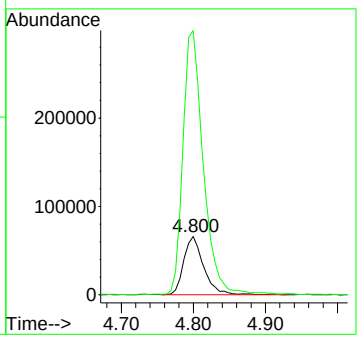


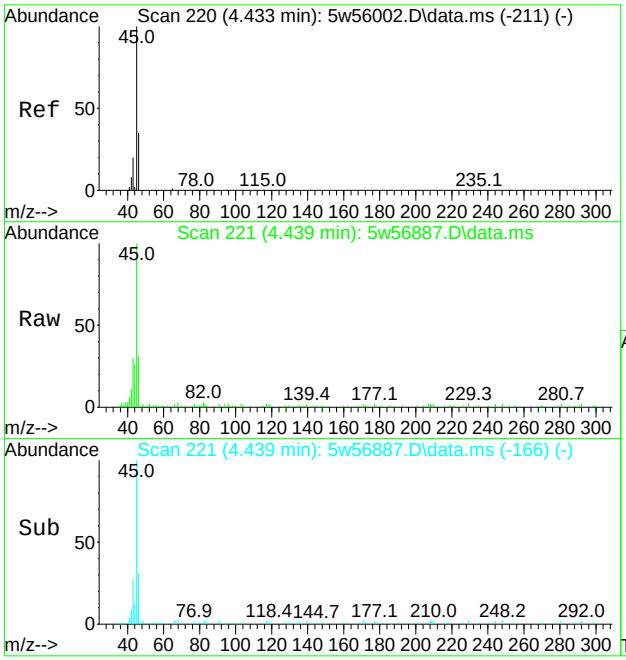


#23
ACETONE
Concen: 5.3122 PPBV
RT: 4.800 min Scan# 280
Delta R.T. -0.000 min
Lab File: 5w56887.D
Acq: 14 Feb 2025 10:44 am

Tgt Ion: 58 Resp: 127609

Ion	Ratio	Lower	Upper
58	100		
43	455.9	334.9	394.9#

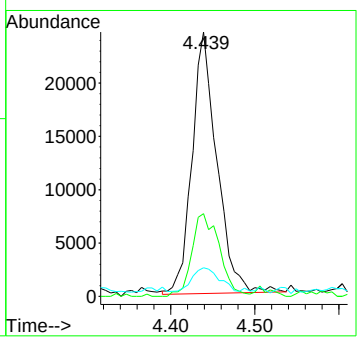


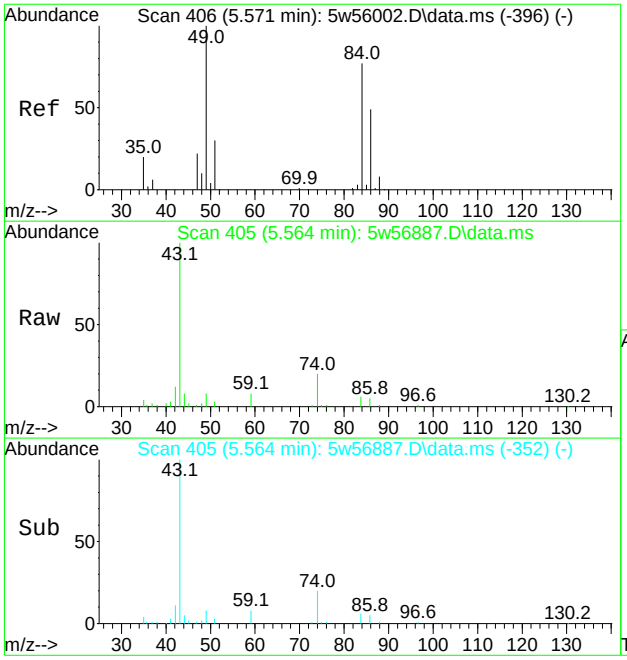


#28
ETHANOL
Concen: 1.7386 PPBV
RT: 4.439 min Scan# 221
Delta R.T. 0.006 min
Lab File: 5w56887.D
Acq: 14 Feb 2025 10:44 am

Tgt Ion: 45 Resp: 50436

Ion	Ratio	Lower	Upper
45	100		
46	35.1	4.8	64.8
42	12.1	0.0	38.6

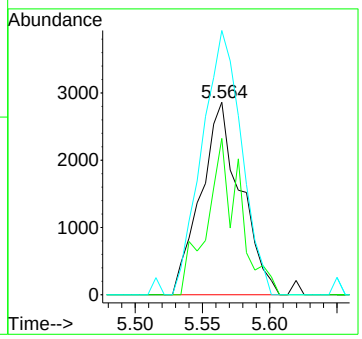


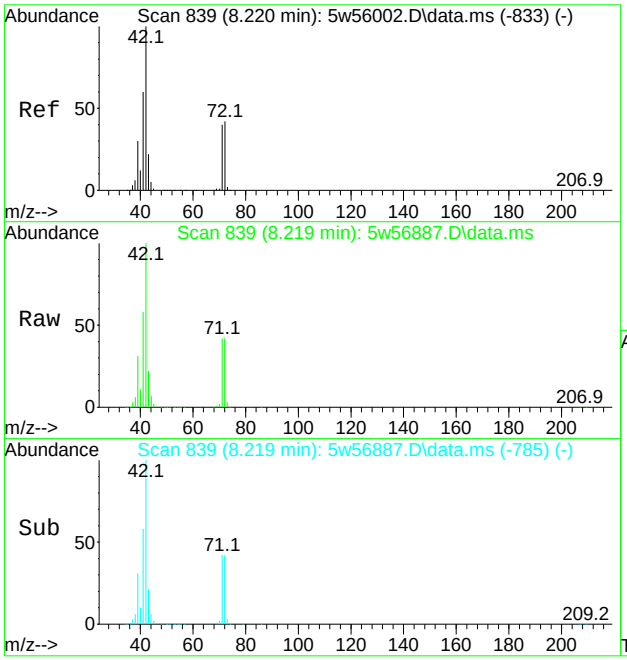


#31
METHYLENE CHLORIDE
Concen: 0.1610 PPBV
RT: 5.564 min Scan# 405
Delta R.T. -0.006 min
Lab File: 5w56887.D
Acq: 14 Feb 2025 10:44 am

Tgt Ion: 84 Resp: 5885

Ion	Ratio	Lower	Upper
84	100		
86	67.8	34.4	94.4
49	137.3	100.0	160.0

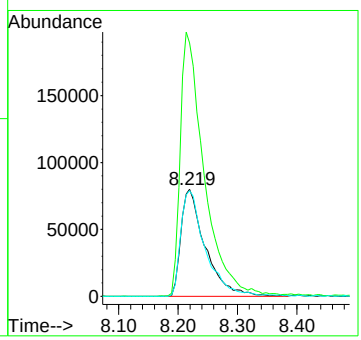


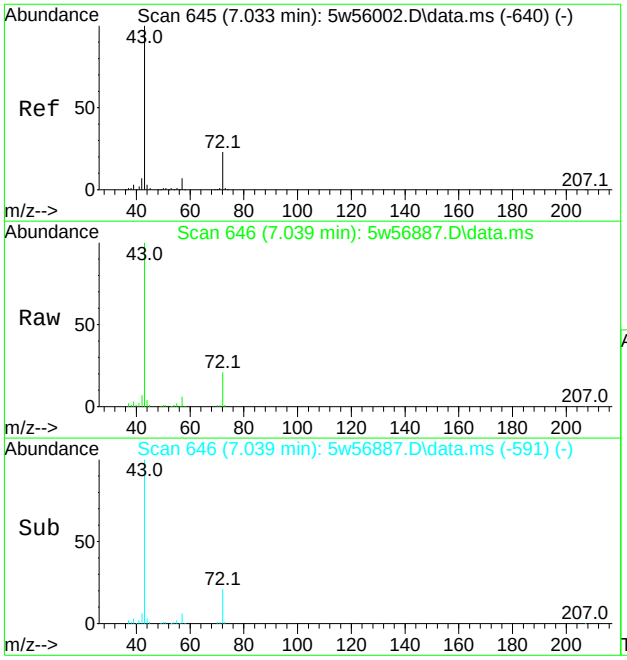


#37
TETRAHYDROFURAN
Concen: 15.6361 PPBV
RT: 8.219 min Scan# 839
Delta R.T. -0.000 min
Lab File: 5w56887.D
Acq: 14 Feb 2025 10:44 am

Tgt Ion: 72 Resp: 229811

Ion	Ratio	Lower	Upper
72	100		
42	244.1	209.0	269.0
71	99.6	67.8	127.8

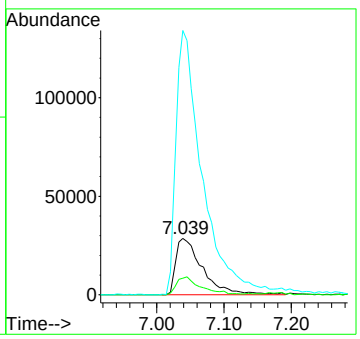


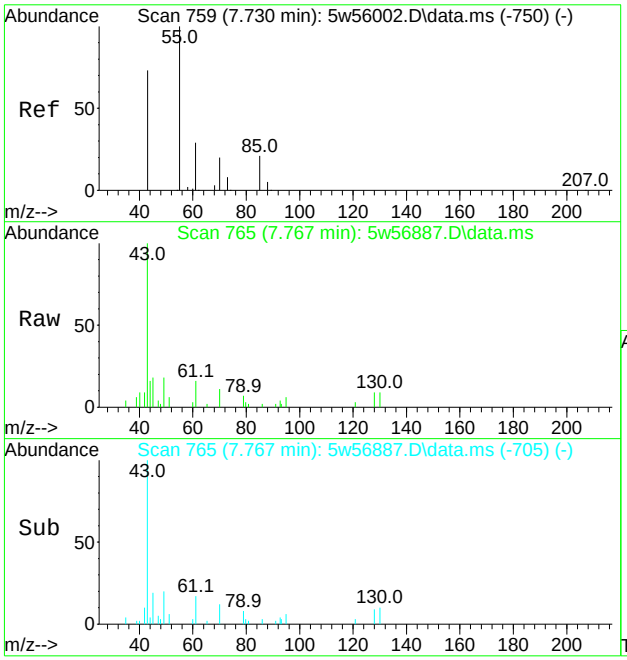


#41
METHYL ETHYL KETONE
Concen: 5.3563 PPBV
RT: 7.039 min Scan# 646
Delta R.T. 0.006 min
Lab File: 5w56887.D
Acq: 14 Feb 2025 10:44 am

Tgt Ion: 72 Resp: 79681

Ion	Ratio	Lower	Upper
72	100		
57	29.6	0.0	59.5
43	468.2	398.1	458.1#

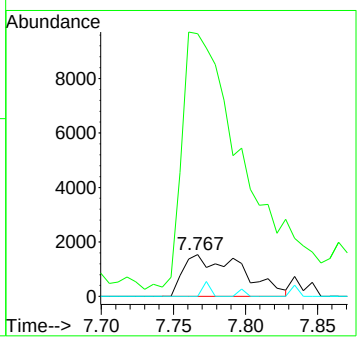




#44
ETHYL ACETATE
Concen: 0.3871 PPBV
RT: 7.767 min Scan# 765
Delta R.T. 0.037 min
Lab File: 5w56887.D
Acq: 14 Feb 2025 10:44 am

Tgt Ion: 61 Resp: 4346

Ion	Ratio	Lower	Upper
61	100		
43	806.0	0.0	30.0#
88	4.6	8.3	68.3#



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/14/25 22:54

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56879.D
Acq On : 14 Feb 2025 4:43 am
Operator : thomash
Sample : je5543-4 Inst : GCMS5W
Misc : MS89637,V5W2179,608,,,,1.52
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 15 03:13:03 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

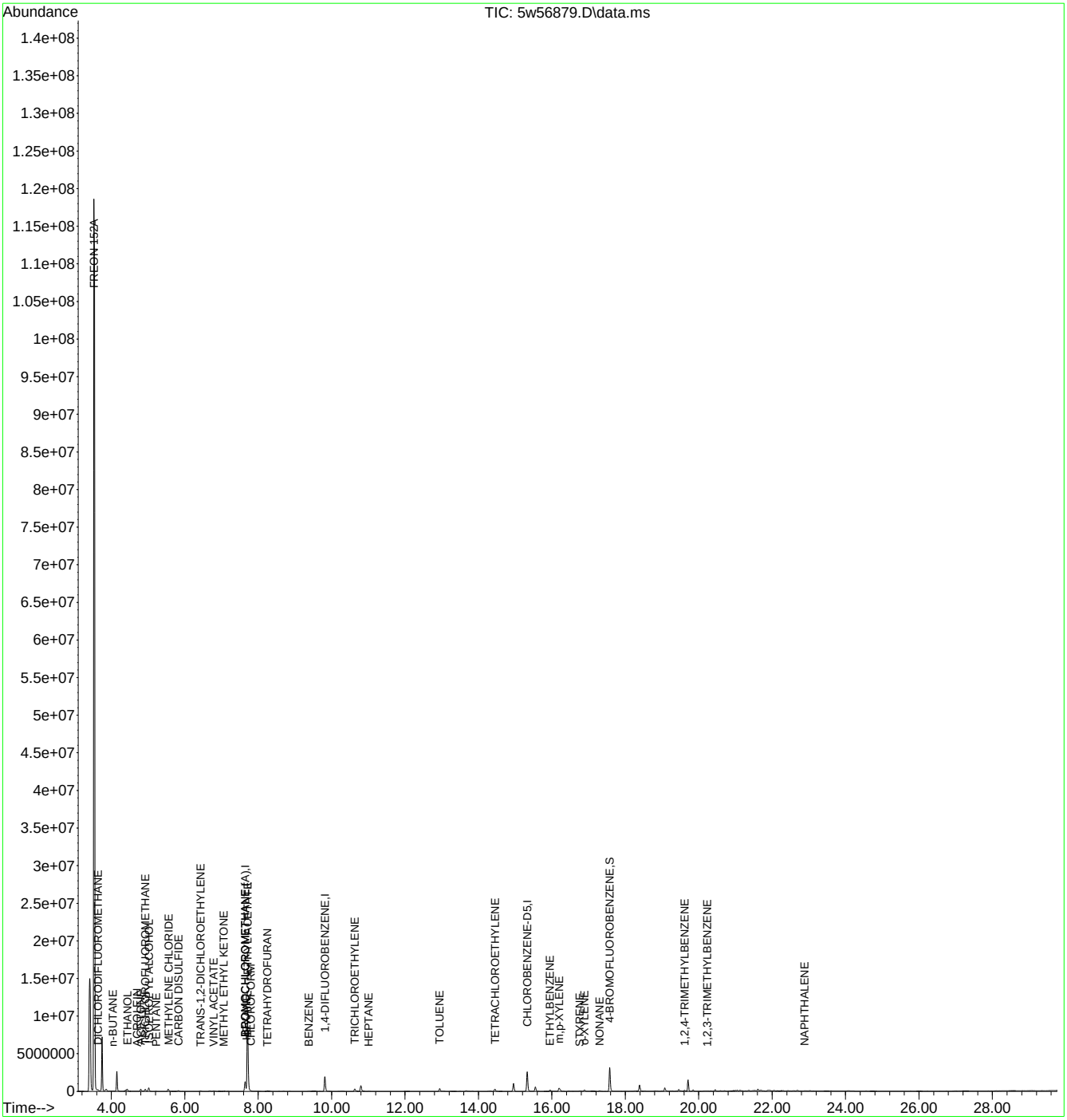
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.645	128	414487	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1936347	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.328	82	969724	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.645	128	414487	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.574	95	1338535	11.72	PPBV	-0.01
Spiked Amount 10.000	Range 65 - 128		Recovery = 117.20%			
Target Compounds						Qvalue
3) FREON 152A	3.521	65	13617134	463.7583	PPBV #	1
6) DICHLORODIFLUOROMETHANE	3.631	85	94311	0.7146	PPBV	97
13) n-BUTANE	4.041	43	15601	0.1821	PPBV	76
18) ACROLEIN	4.696	56	3339m	0.1518	PPBV	
21) TRICHLOROFLUOROMETHANE	4.922	101	207920	1.4310	PPBV	98
22) ISOPROPYL ALCOHOL	5.020	45	132547	1.7264	PPBV	83
23) ACETONE	4.794	58	63411	2.5688	PPBV #	62
24) PENTANE	5.216	42	5844	0.1505	PPBV	85
27) CARBON DISULFIDE	5.828	76	153876	1.4404	PPBV	92
28) ETHANOL	4.433	45	330206	11.0770	PPBV	97
31) METHYLENE CHLORIDE	5.565	84	19520	0.5198	PPBV	97
34) TRANS-1,2-DICHLOROETHY...	6.427	96	24180	0.6040	PPBV	94
37) TETRAHYDROFURAN	8.244	72	11426	0.7565	PPBV #	83
38) HEXANE	7.681	57	32590	0.6032	PPBV #	16
39) VINYL ACETATE	6.788	86	8893	1.4559	PPBV #	59
41) METHYL ETHYL KETONE	7.057	72	7485	0.4896	PPBV #	87
44) ETHYL ACETATE	7.712	61	1821945	157.9036	PPBV #	79
46) CHLOROFORM	7.798	83	25746	0.2823	PPBV	95
52) BENZENE	9.376	78	34052	0.2723	PPBV	96
55) TRICHLOROETHYLENE	10.630	95	122262	1.8327	PPBV	95
62) HEPTANE	11.003	43	7512	0.1145	PPBV #	31
66) TOLUENE	12.943	92	192651	2.1314	PPBV	98
73) TETRACHLOROETHYLENE	14.454	164	71133	1.0404	PPBV	86
79) ETHYLBENZENE	15.946	91	146691	0.8306	PPBV	97
80) m,p-XYLENE	16.197	106	235150	3.3229	PPBV	94
81) o-XYLENE	16.888	106	70388	1.0227	PPBV	98
82) STYRENE	16.754	104	10340	0.1031	PPBV	97
83) NONANE	17.298	43	38661	0.4420	PPBV	85
96) 1,2,4-TRIMETHYLBENZENE	19.617	105	54442	0.3046	PPBV #	39
101) 1,2,3-TRIMETHYLBENZENE	20.229	105	17786	0.1011	PPBV	93
108) NAPHTHALENE	22.884	128	31493	0.1161	PPBV	93

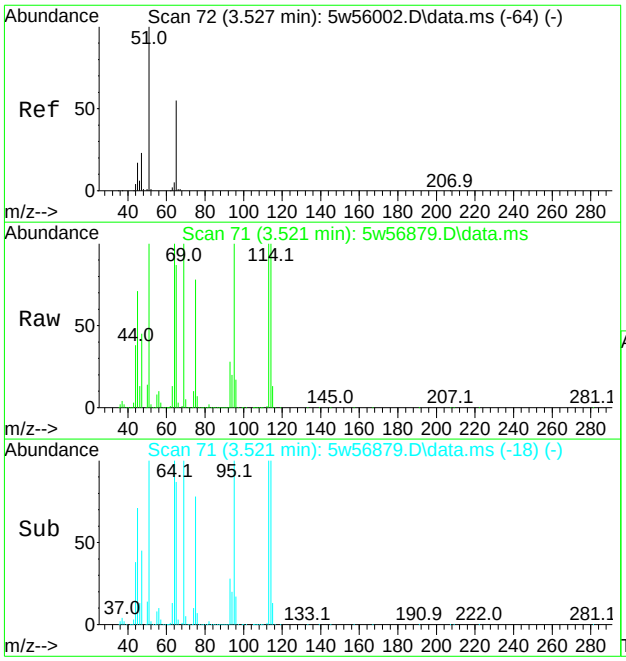
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56879.D
Acq On : 14 Feb 2025 4:43 am
Operator : thomash
Sample : je5543-4 Inst : GCMS5W
Misc : MS89637,V5W2179,608,,,,1.52
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 15 03:13:03 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

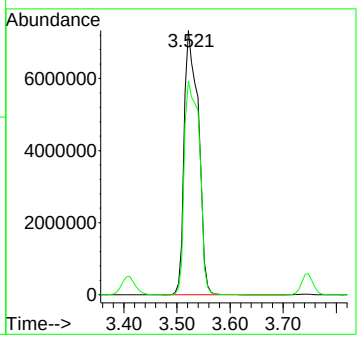


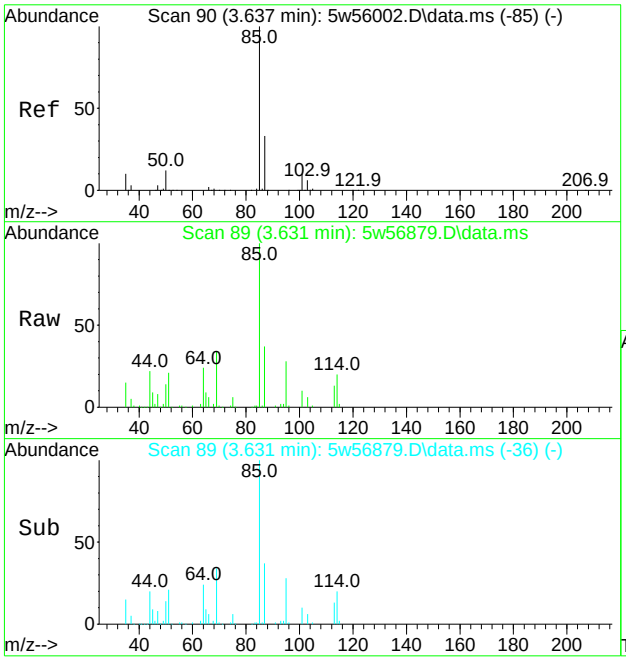


#3
FREON 152A
Concen: 463.7583 PPBV
RT: 3.521 min Scan# 71
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 65 Resp:13617134

Ion	Ratio	Lower	Upper
65	100		
45	86.4	1.3	61.3#

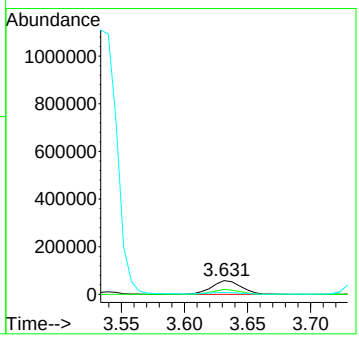


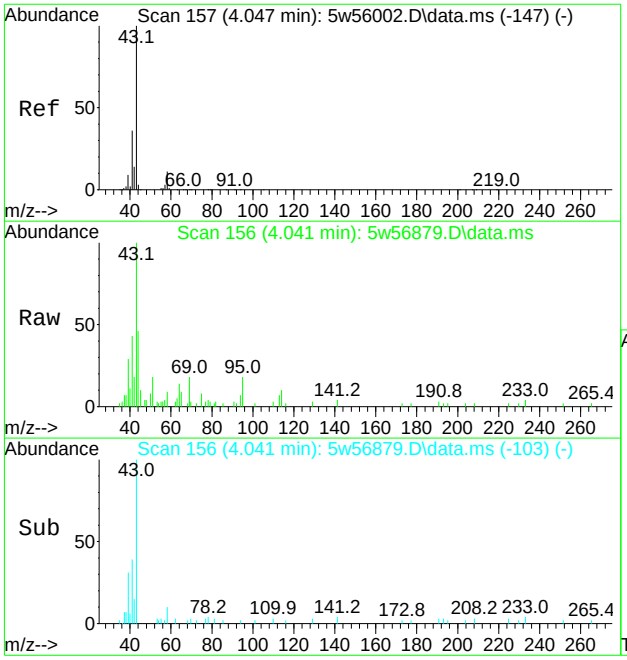


#6
DICHLORODIFLUOROMETHANE
Concen: 0.7146 PPBV
RT: 3.631 min Scan# 89
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 85 Resp: 94311

Ion	Ratio	Lower	Upper
85	100		
87	33.7	2.7	62.7
50	15.0	0.0	42.5

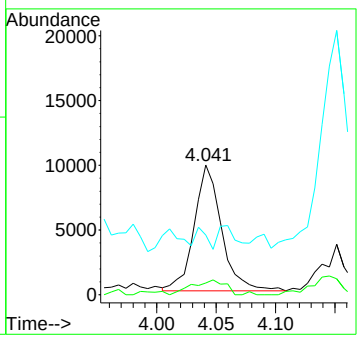


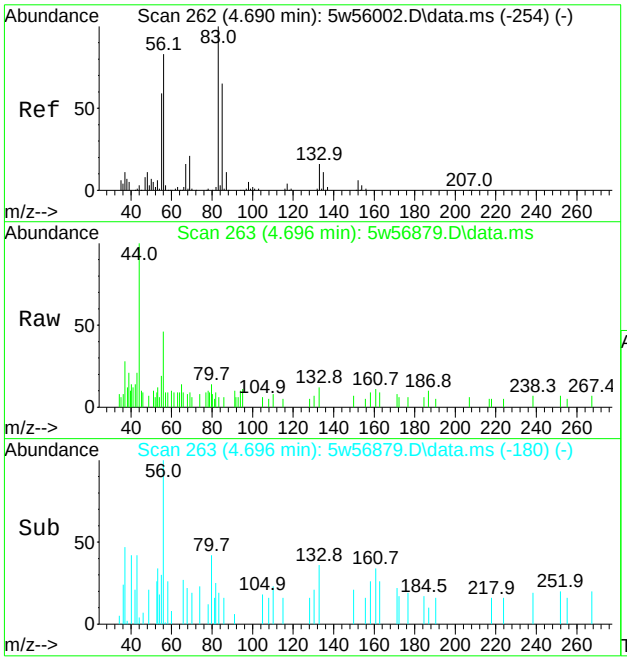


#13
n-BUTANE
Concen: 0.1821 PPBV
RT: 4.041 min Scan# 156
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 43 Resp: 15601

Ion	Ratio	Lower	Upper
43	100		
58	14.1	0.0	40.6
44	23.0	0.0	36.0

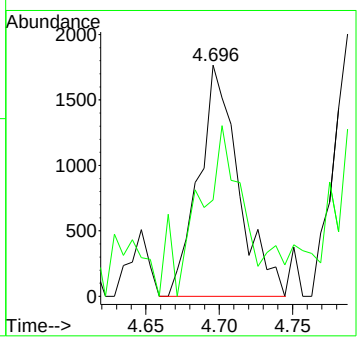


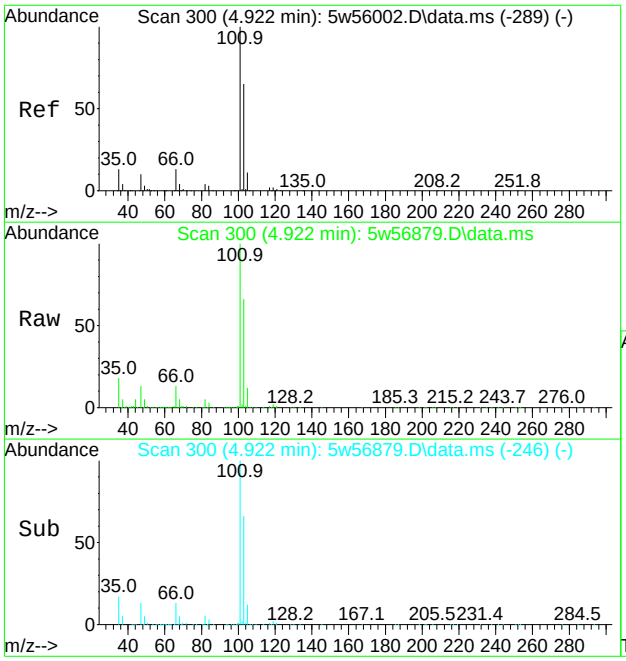


#18
ACROLEIN
Concen: 0.1518 PPBV m
RT: 4.696 min Scan# 263
Delta R.T. 0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 56 Resp: 3339

Ion	Ratio	Lower	Upper
56	100		
55	6.9	49.2	91.4#

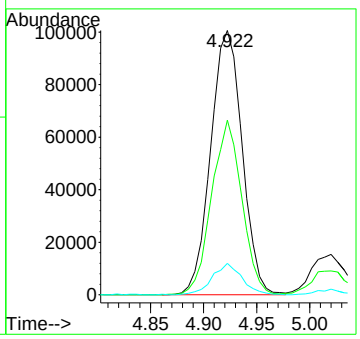


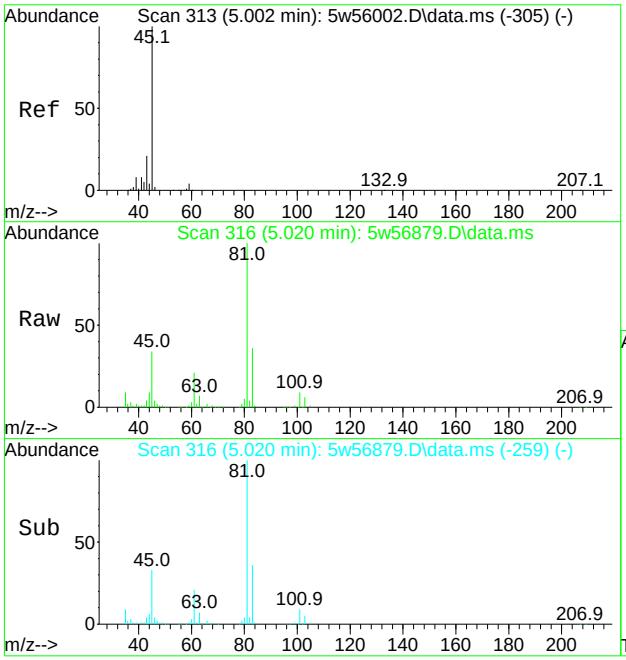


#21
TRICHLOROFLUOROMETHANE
Concen: 1.4310 PPBV
RT: 4.922 min Scan# 300
Delta R.T. 0.000 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion:101 Resp: 207920

Ion	Ratio	Lower	Upper
101	100		
103	63.4	34.8	94.8
105	11.2	0.0	40.9

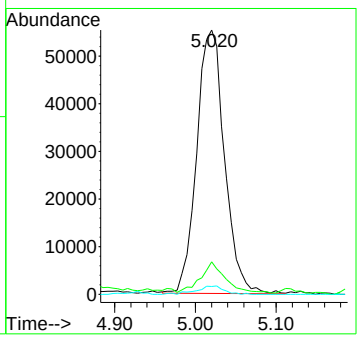


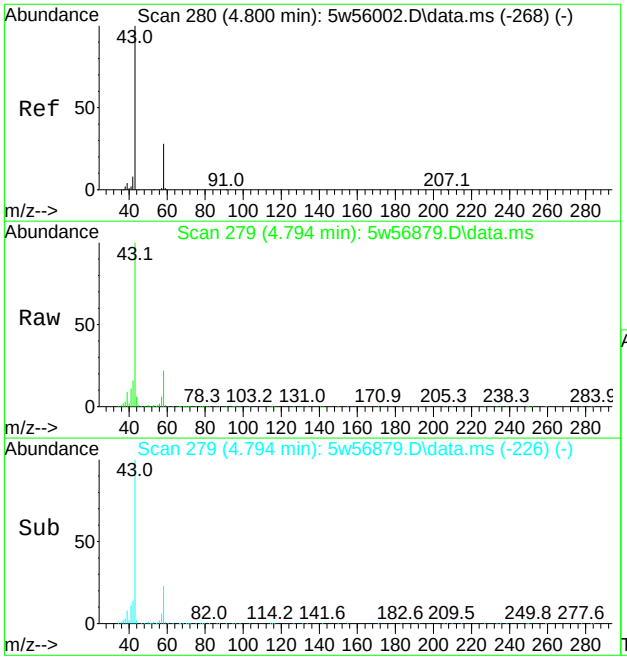


#22
ISOPROPYL ALCOHOL
Concen: 1.7264 PPBV
RT: 5.020 min Scan# 316
Delta R.T. 0.018 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 45 Resp: 132547

Ion	Ratio	Lower	Upper
45	100		
43	12.4	0.0	51.3
59	2.9	0.0	33.7

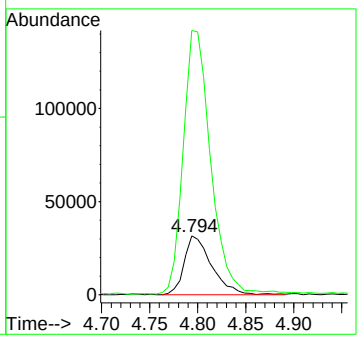


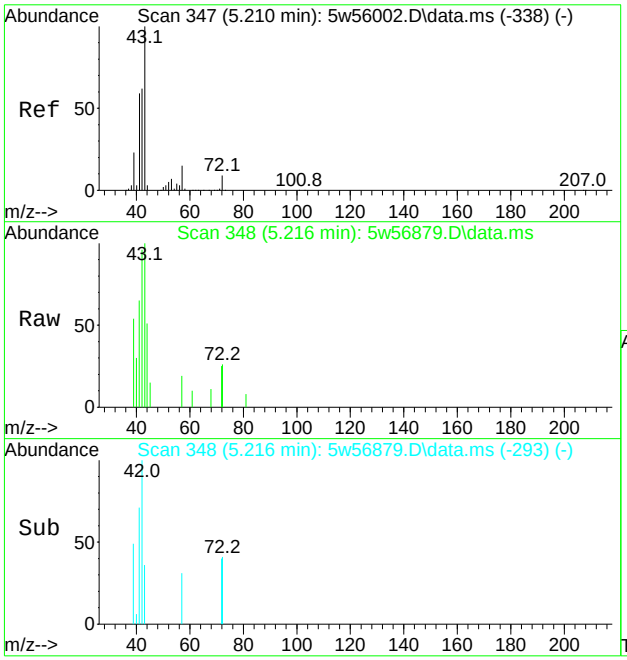


#23
ACETONE
Concen: 2.5688 PPBV
RT: 4.794 min Scan# 279
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 58 Resp: 63411

Ion	Ratio	Lower	Upper
58	100		
43	449.8	334.9	394.9#

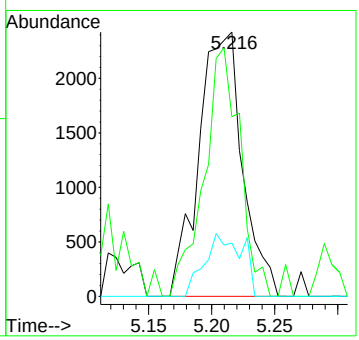


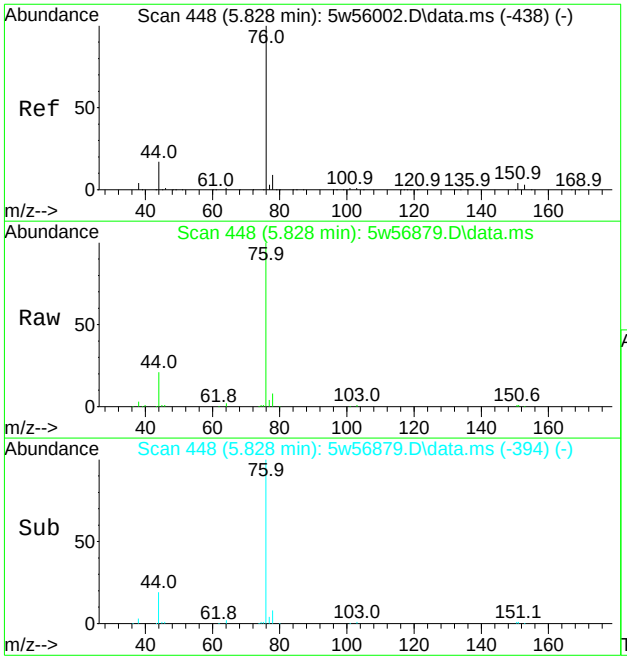


#24
PENTANE
Concen: 0.1505 PPBV
RT: 5.216 min Scan# 348
Delta R.T. 0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 42 Resp: 5844

Ion	Ratio	Lower	Upper
42	100		
41	77.2	63.7	123.7
57	20.3	0.0	53.4

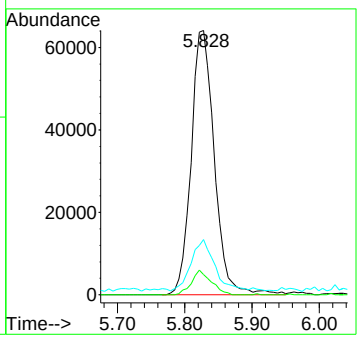


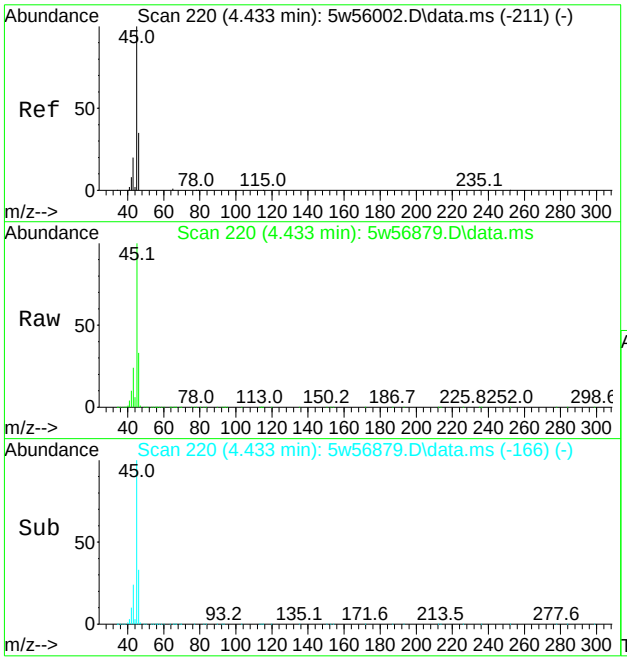


#27
CARBON DISULFIDE
Concen: 1.4404 PPBV
RT: 5.828 min Scan# 448
Delta R.T. 0.000 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 76 Resp: 153876

Ion	Ratio	Lower	Upper
76	100		
78	7.9	0.0	41.3
44	20.0	0.0	47.0

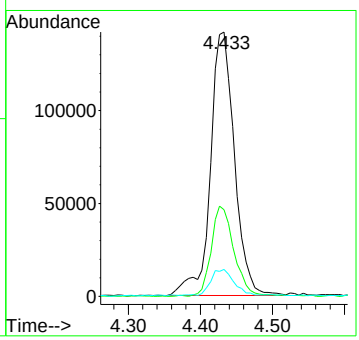


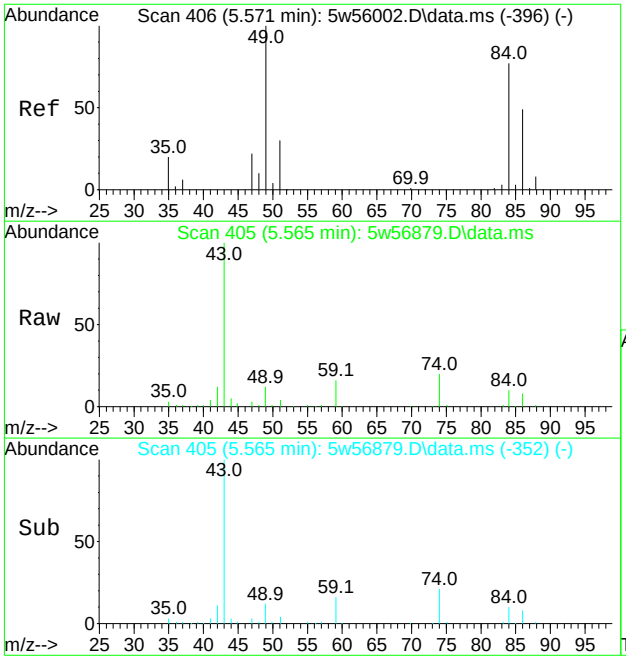


#28
ETHANOL
Concen: 11.0770 PPBV
RT: 4.433 min Scan# 220
Delta R.T. 0.000 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 45 Resp: 330206

Ion	Ratio	Lower	Upper
45	100		
46	32.8	4.8	64.8
42	9.7	0.0	38.6

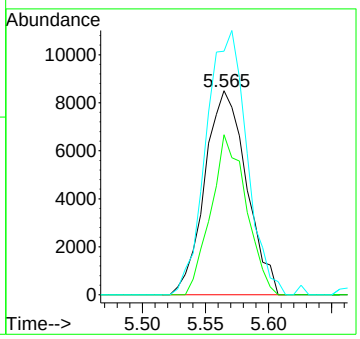


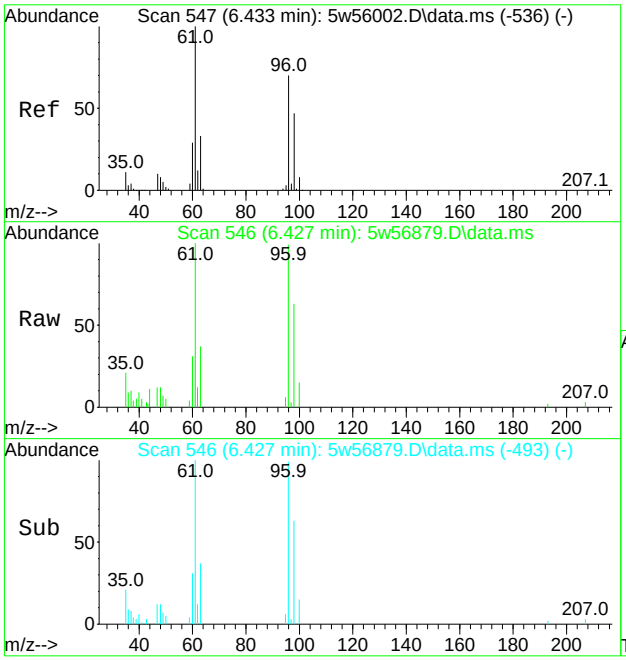


#31
METHYLENE CHLORIDE
Concen: 0.5198 PPBV
RT: 5.565 min Scan# 405
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 84 Resp: 19520

Ion	Ratio	Lower	Upper
84	100		
86	66.1	34.4	94.4
49	126.4	100.0	160.0

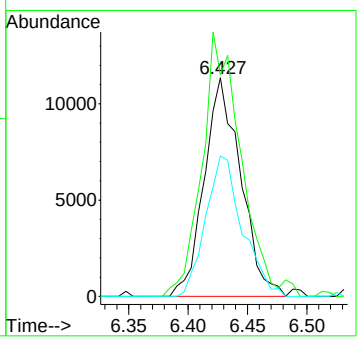


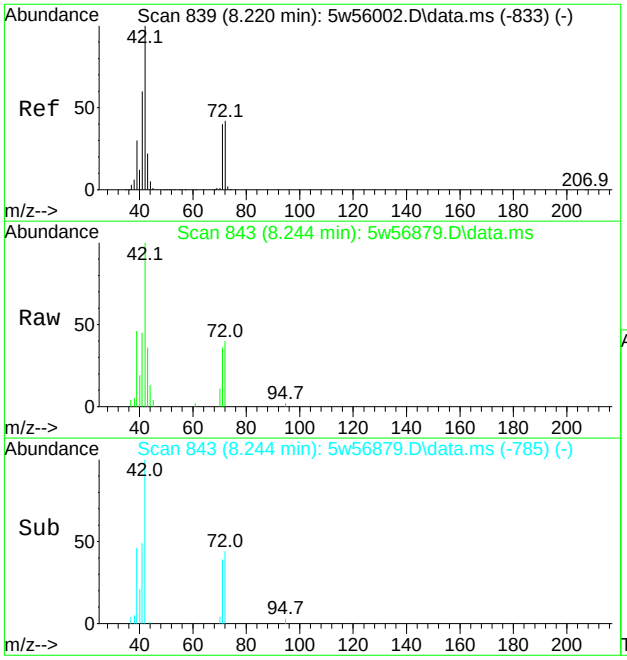


#34
TRANS-1,2-DICHLOROETHYLENE
Concen: 0.6040 PPBV
RT: 6.427 min Scan# 546
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 96 Resp: 24180

Ion	Ratio	Lower	Upper
96	100		
61	129.1	109.7	169.7
98	64.7	35.0	95.0

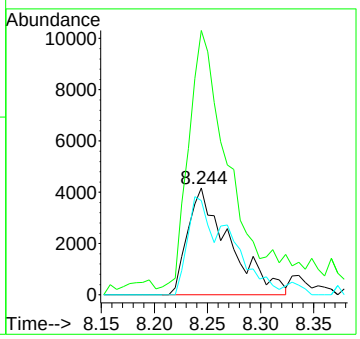


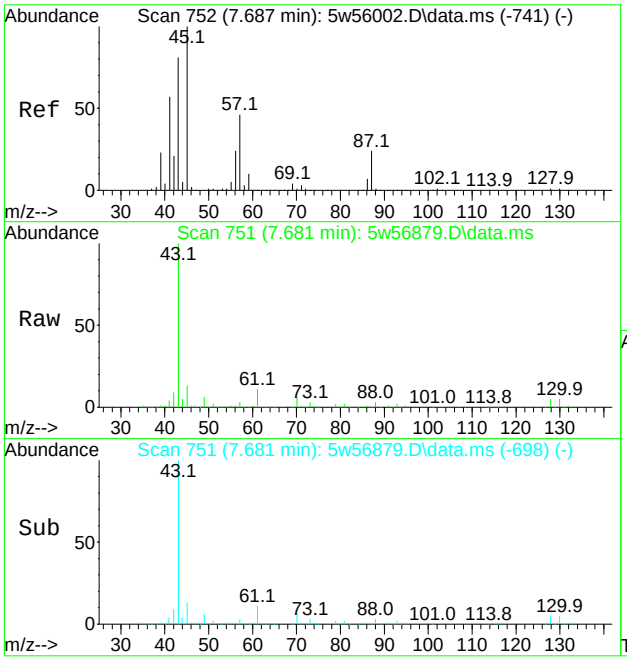


#37
TETRAHYDROFURAN
Concen: 0.7565 PPBV
RT: 8.244 min Scan# 843
Delta R.T. 0.025 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 72 Resp: 11426

Ion	Ratio	Lower	Upper
72	100		
42	274.6	209.0	269.0#
71	92.2	67.8	127.8

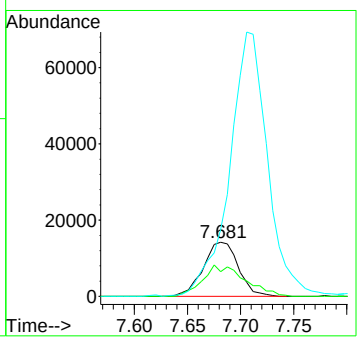


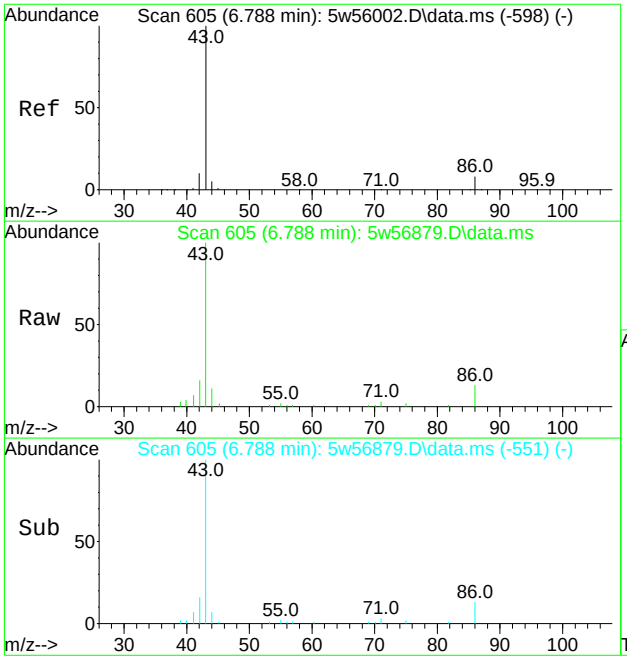


#38
HEXANE
Concen: 0.6032 PPBV
RT: 7.681 min Scan# 751
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 57 Resp: 32590

Ion	Ratio	Lower	Upper
57	100		
56	69.4	25.0	85.0
41	0.0	100.0	160.0#

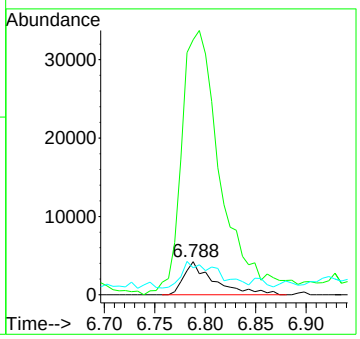


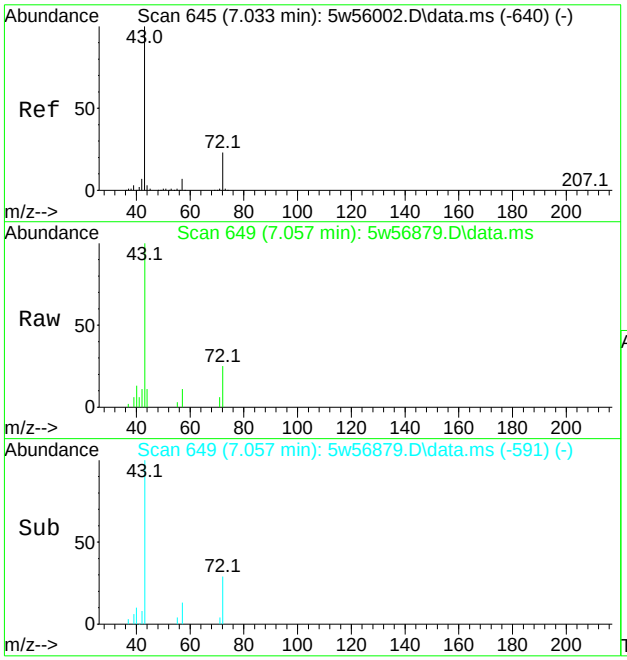


#39
VINYL ACETATE
Concen: 1.4559 PPBV
RT: 6.788 min Scan# 605
Delta R.T. 0.000 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 86 Resp: 8893

Ion	Ratio	Lower	Upper
86	100		
43	1067.6	1260.6	1320.6#
44	94.4	38.4	98.4

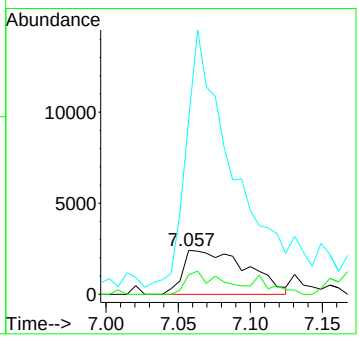


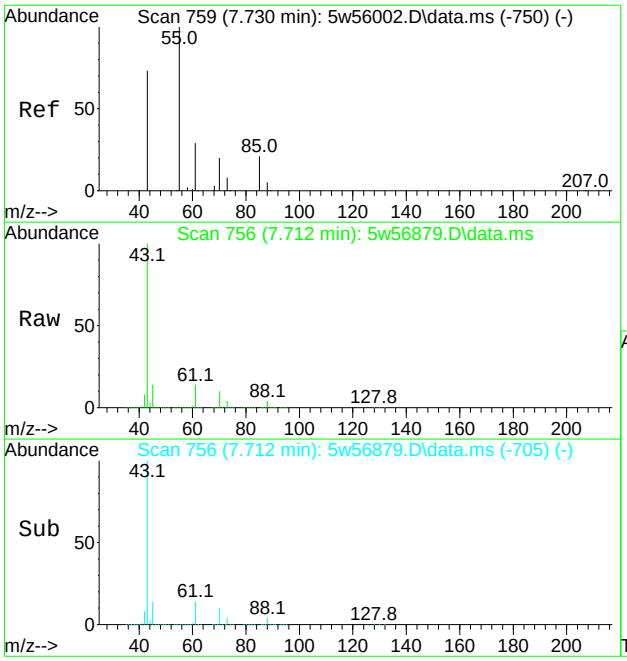


#41
METHYL ETHYL KETONE
Concen: 0.4896 PPBV
RT: 7.057 min Scan# 649
Delta R.T. 0.025 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 72 Resp: 7485

Ion	Ratio	Lower	Upper
72	100		
57	44.5	0.0	59.5
43	397.6	398.1	458.1#

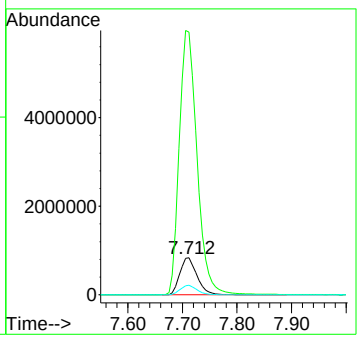


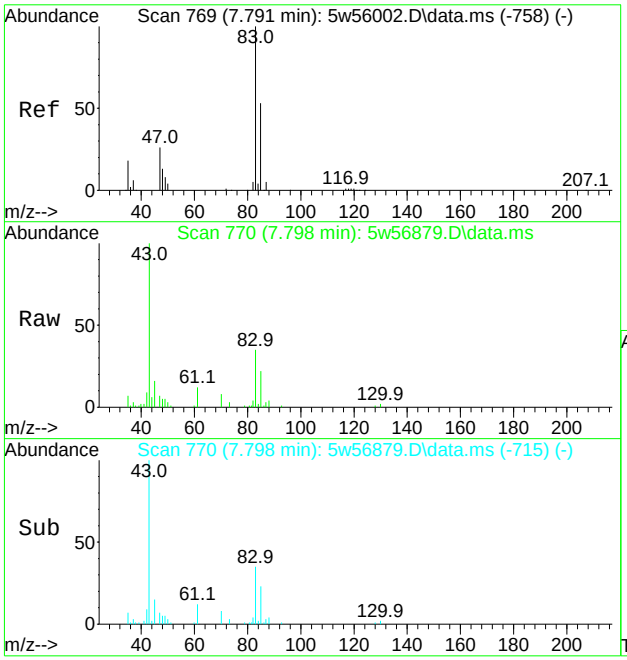


#44
ETHYL ACETATE
Concen: 157.9036 PPBV
RT: 7.712 min Scan# 756
Delta R.T. -0.018 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 61 Resp: 1821945

Ion	Ratio	Lower	Upper
61	100		
43	742.8	0.0	30.0#
88	25.4	8.3	68.3

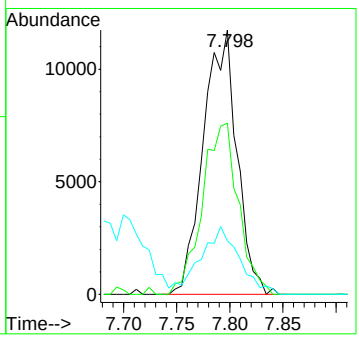


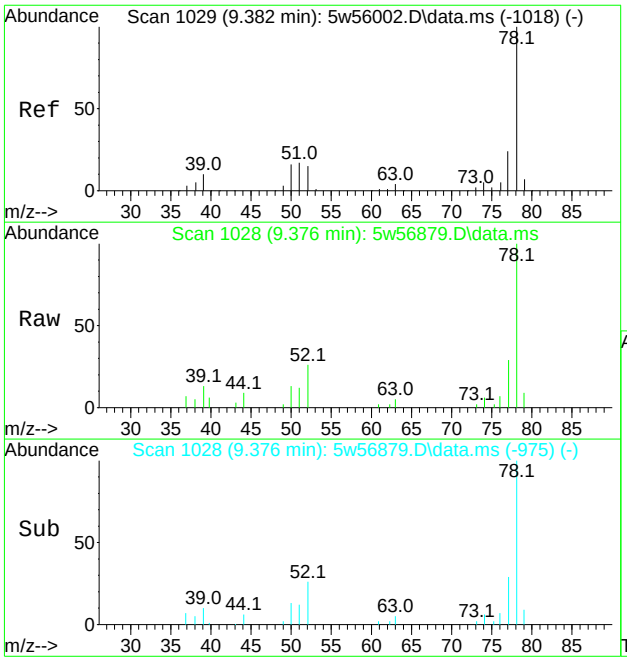


#46
CHLOROFORM
Concen: 0.2823 PPBV
RT: 7.798 min Scan# 770
Delta R.T. 0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 83 Resp: 25746

Ion	Ratio	Lower	Upper
83	100		
85	69.7	35.5	95.5
47	28.6	0.0	55.9

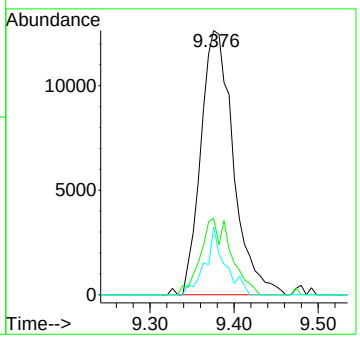


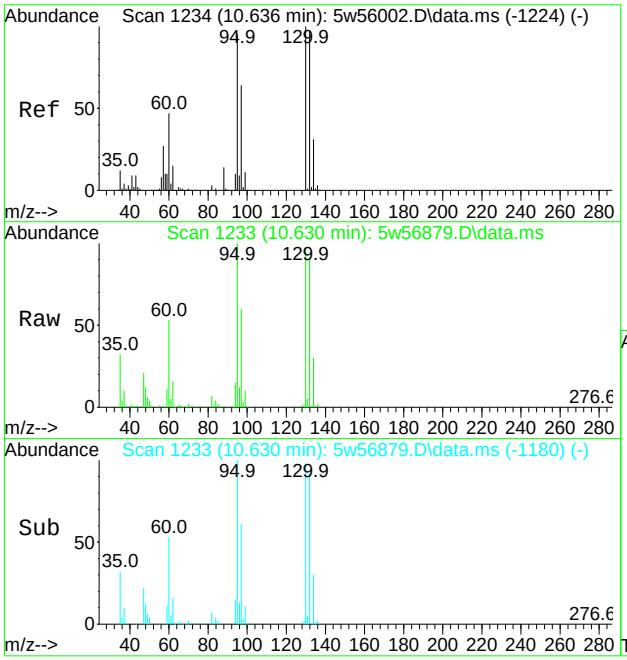


#52
BENZENE
Concen: 0.2723 PPBV
RT: 9.376 min Scan# 1028
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 78 Resp: 34052

Ion	Ratio	Lower	Upper
78	100		
77	27.2	0.0	54.1
52	15.6	0.0	45.0

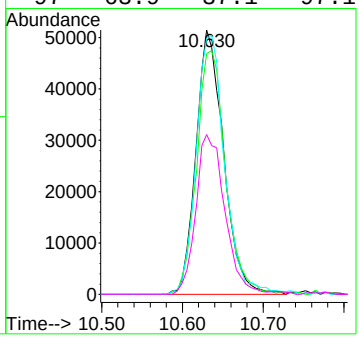


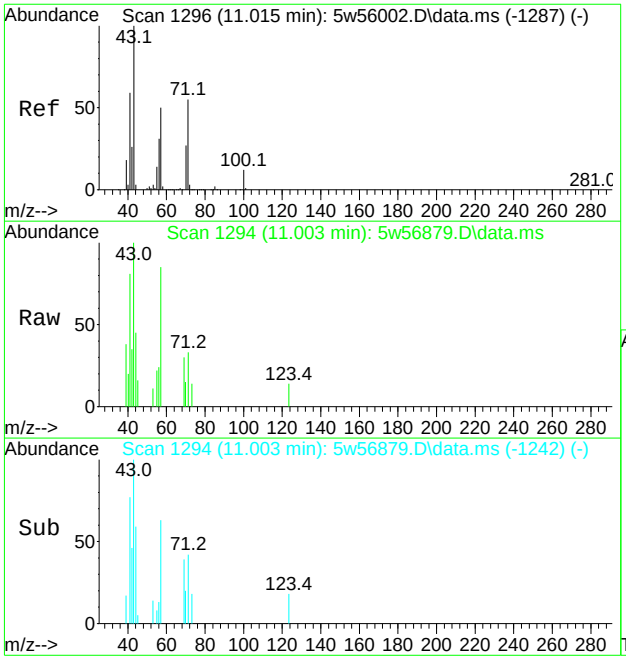


#55
TRICHLOROETHYLENE
Concen: 1.8327 PPBV
RT: 10.630 min Scan# 1233
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 95 Resp: 122262

Ion	Ratio	Lower	Upper
95	100		
132	97.3	74.7	134.7
130	101.4	76.4	136.4
97	63.9	37.1	97.1

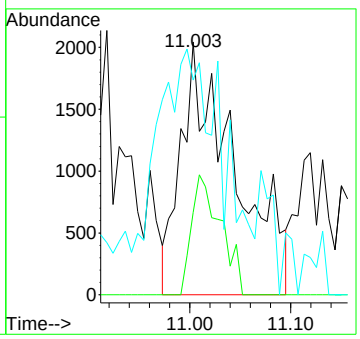


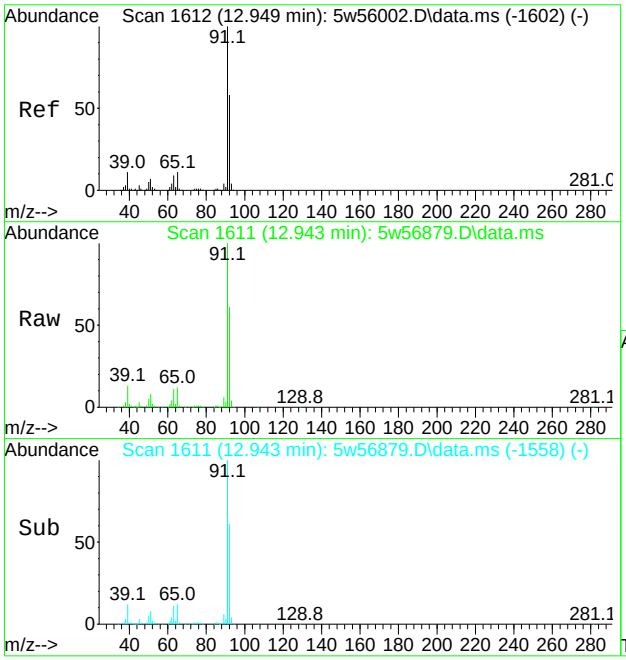


#62
HEPTANE
Concen: 0.1145 PPBV
RT: 11.003 min Scan# 1294
Delta R.T. -0.012 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 43 Resp: 7512

Ion	Ratio	Lower	Upper
43	100		
71	25.9	25.7	85.7
57	118.9	20.1	80.1#

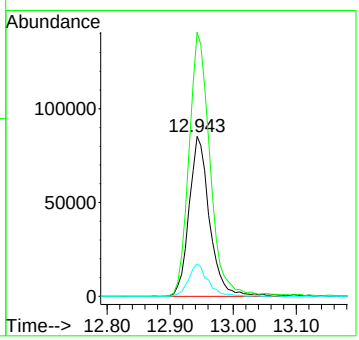


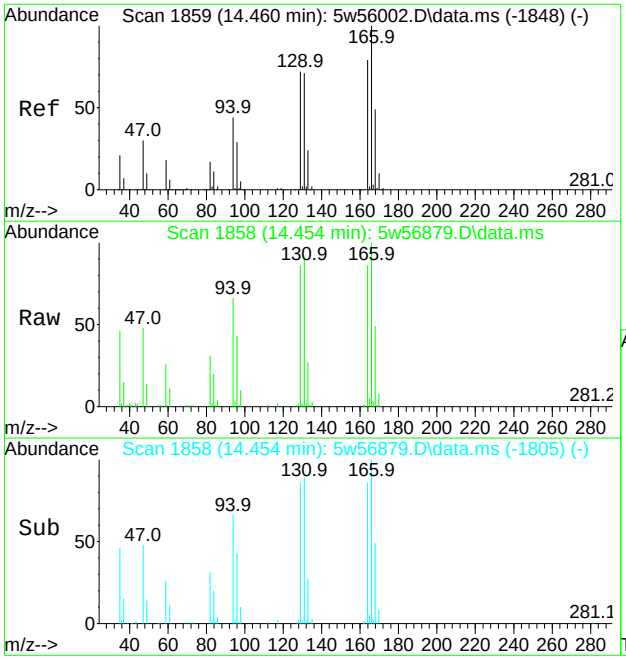


#66
TOLUENE
Concen: 2.1314 PPBV
RT: 12.943 min Scan# 1611
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 92 Resp: 192651

Ion	Ratio	Lower	Upper
92	100		
91	170.8	142.9	202.9
65	19.4	0.0	51.6

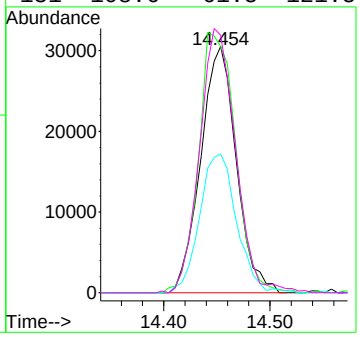


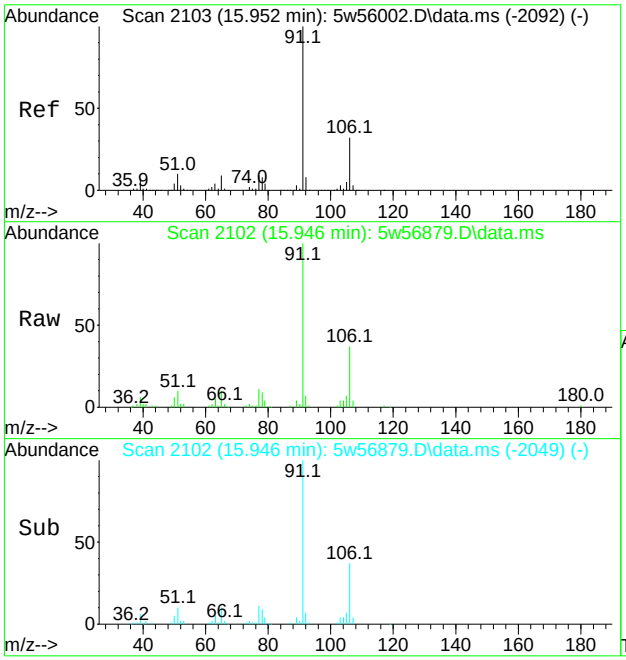


#73
TETRACHLOROETHYLENE
Concen: 1.0404 PPBV
RT: 14.454 min Scan# 1858
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion:164 Resp: 71133

Ion	Ratio	Lower	Upper
164	100		
129	109.7	63.5	123.5
168	58.6	31.0	91.0
131	108.6	61.5	121.5

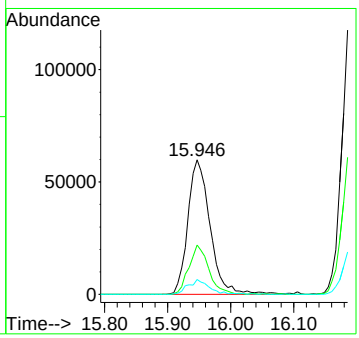


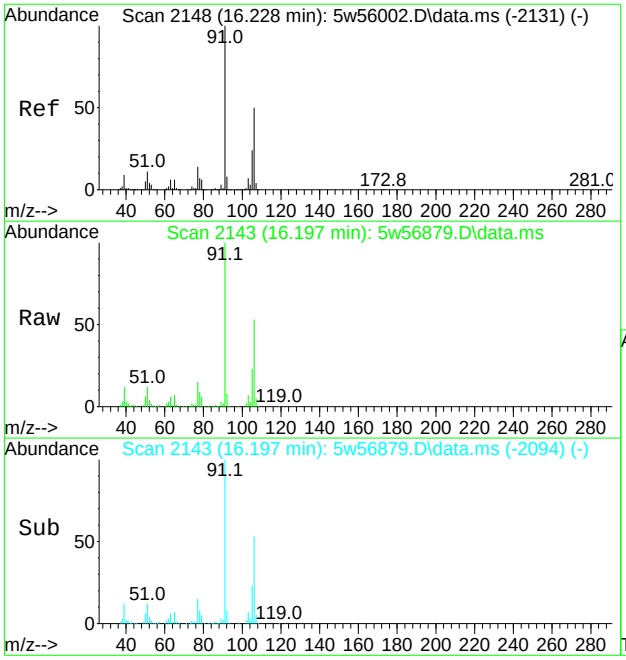


#79
ETHYLBENZENE
Concen: 0.8306 PPBV
RT: 15.946 min Scan# 2102
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 91 Resp: 146691

Ion	Ratio	Lower	Upper
91	100		
106	32.9	1.6	61.6
77	10.5	0.0	38.8

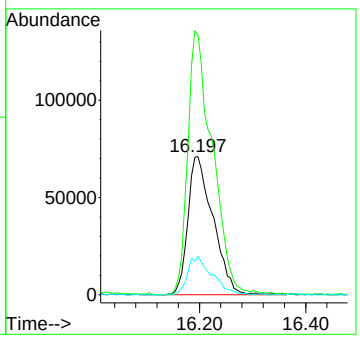


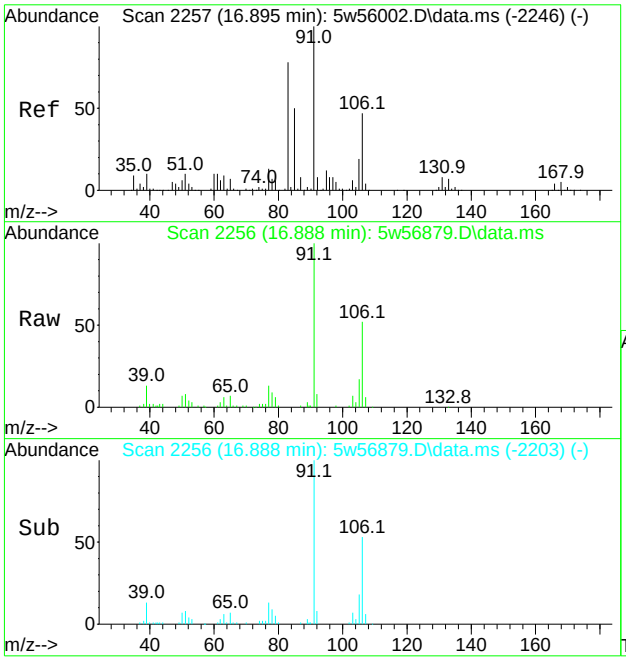


#80
m,p-XYLENE
Concen: 3.3229 PPBV
RT: 16.197 min Scan# 2143
Delta R.T. -0.031 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion:106 Resp: 235150

Ion	Ratio	Lower	Upper
106	100		
91	187.9	168.7	228.7
77	27.7	0.0	57.9

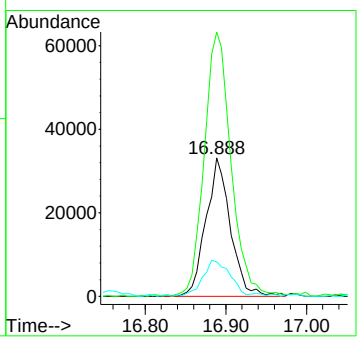


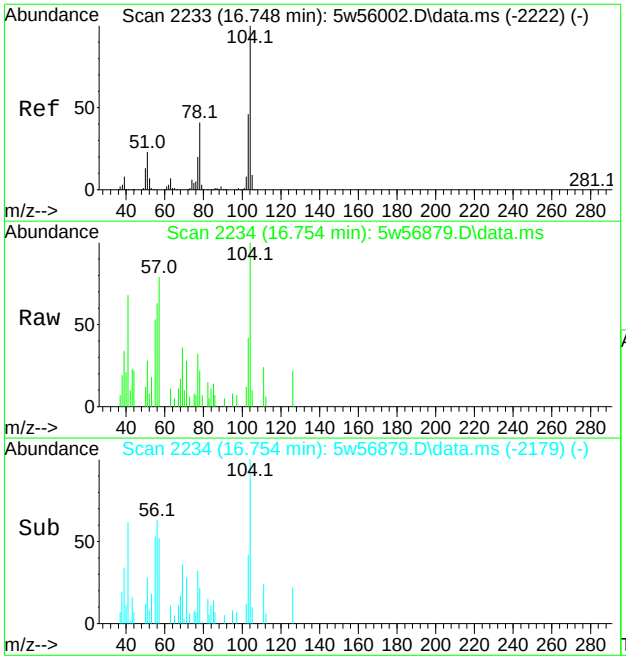


#81
o-XYLENE
Concen: 1.0227 PPBV
RT: 16.888 min Scan# 2256
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion:106 Resp: 70388

Ion	Ratio	Lower	Upper
106	100		
91	207.8	181.0	241.0
77	30.3	0.0	57.4

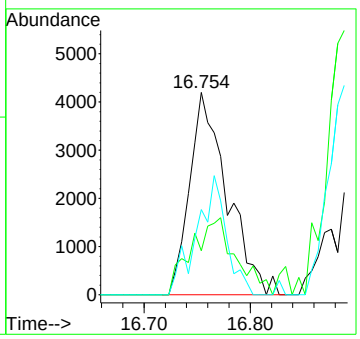


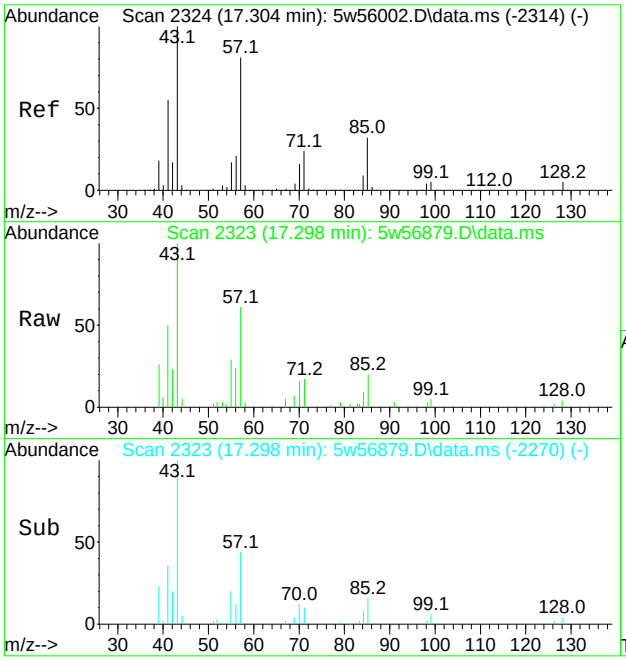


#82
STYRENE
Concen: 0.1031 PPBV
RT: 16.754 min Scan# 2234
Delta R.T. 0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion:104 Resp: 10340

Ion	Ratio	Lower	Upper
104	100		
78	44.8	11.4	71.4
103	46.3	16.3	76.3

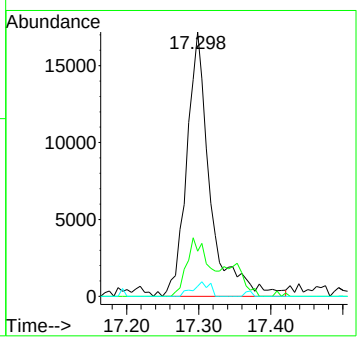


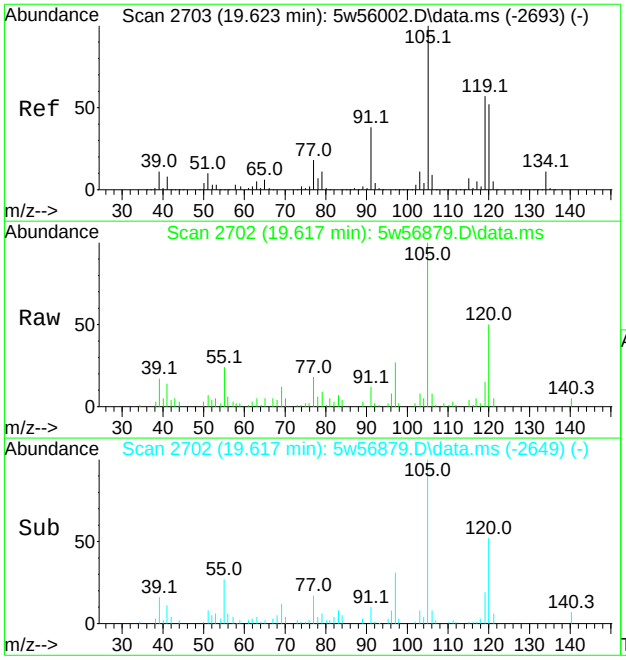


#83
NONANE
Concen: 0.4420 PPBV
RT: 17.298 min Scan# 2323
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion: 43 Resp: 38661

Ion	Ratio	Lower	Upper
43	100		
71	31.7	0.0	53.4
128	4.0	0.0	34.9

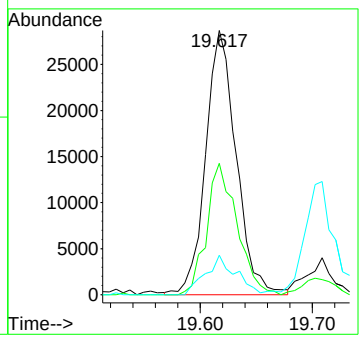


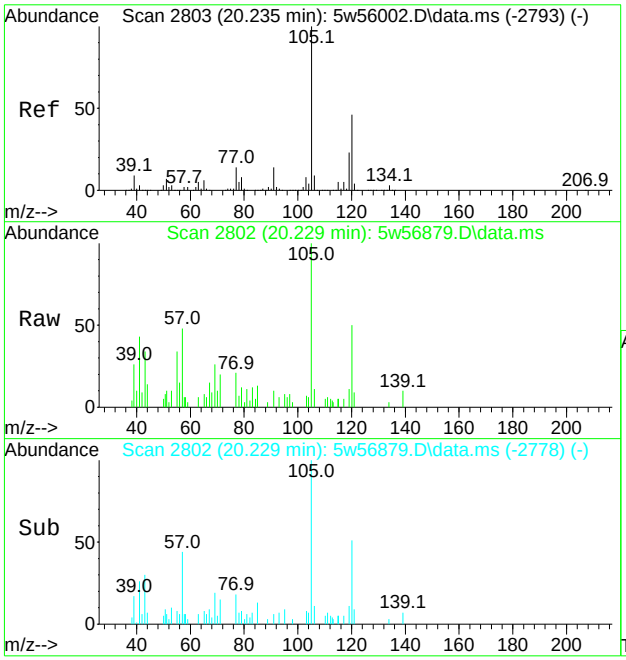


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.3046 PPBV
RT: 19.617 min Scan# 2702
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion:105 Resp: 54442

Ion	Ratio	Lower	Upper
105	100		
120	49.4	26.4	86.4
119	14.9	76.6	136.6#

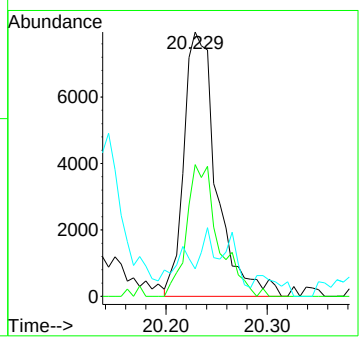


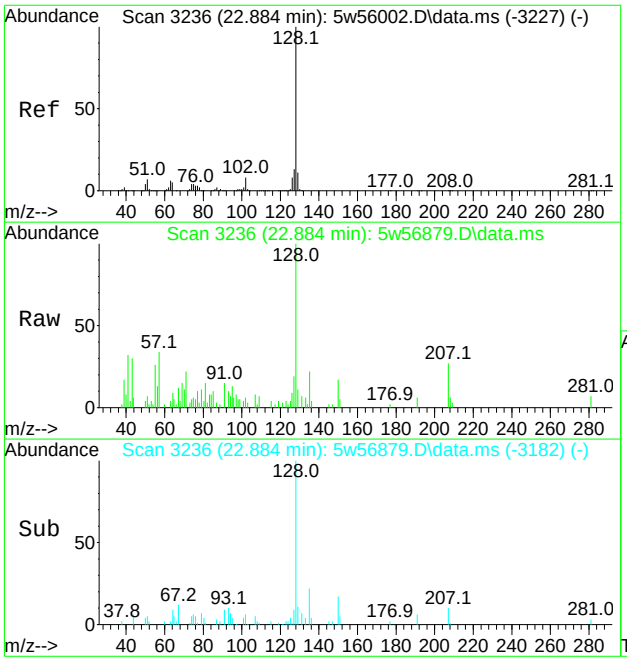


#101
1,2,3-TRIMETHYLBENZENE
Concen: 0.1011 PPBV
RT: 20.229 min Scan# 2802
Delta R.T. -0.006 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion:105 Resp: 17786

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.3	84.3
91	18.6	0.0	30.0

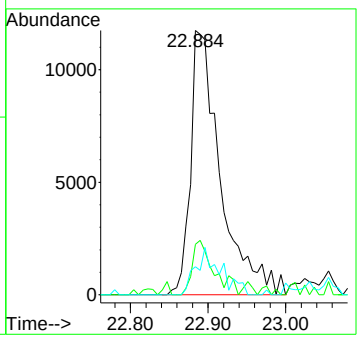




#108
NAPHTHALENE
Concen: 0.1161 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. 0.000 min
Lab File: 5w56879.D
Acq: 14 Feb 2025 4:43 am

Tgt Ion:128 Resp: 31493

Ion	Ratio	Lower	Upper
128	100		
127	14.7	0.0	43.0
129	14.7	0.0	41.1



Manual Integration Approval Summary

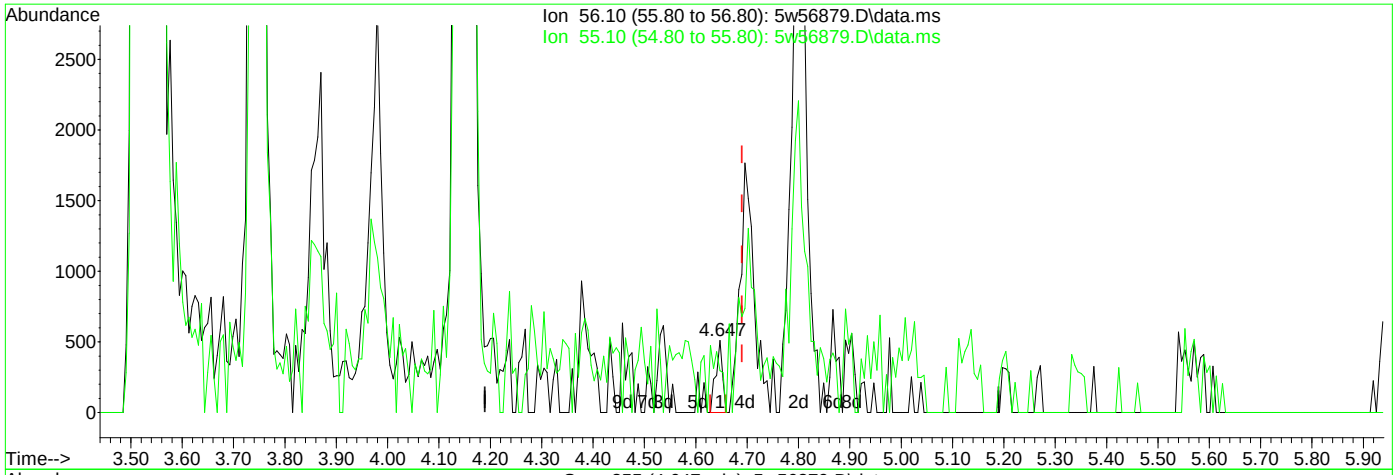
Sample Number:	JE5543-4	**Method:**	TO-15
Lab FileID:	5W56879.D	**Analyst approved:**	02/14/25 12:04 Rosanlie Alfon
Injection Time:	02/14/25 04:43	**Supervisor approved:**	02/14/25 22:54 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Acrolein	107-02-8		4.70	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-14-25\V5W2179 hw\
Data File : 5w56879.D
Acq On : 14 Feb 2025 4:43 am
Operator : thomash
Sample : je5543-4 Inst : GCMS5W
Misc : MS89637,V5W2179,608,,,,1.52
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 14 16:04:50 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



TIC: 5w56879.D\data.ms

(18) ACROLEIN

4.647min (-0.043) 0.02PPBV

response 455

Ion	Exp%	Act%
56.10	100	100
55.10	70.30	50.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56888.D
Acq On : 14 Feb 2025 11:25 am
Operator : thomash
Sample : je5543-4 Inst : GCMS5W
Misc : MS89637,V5W2179,100,,,,1.52
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 14 19:45:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

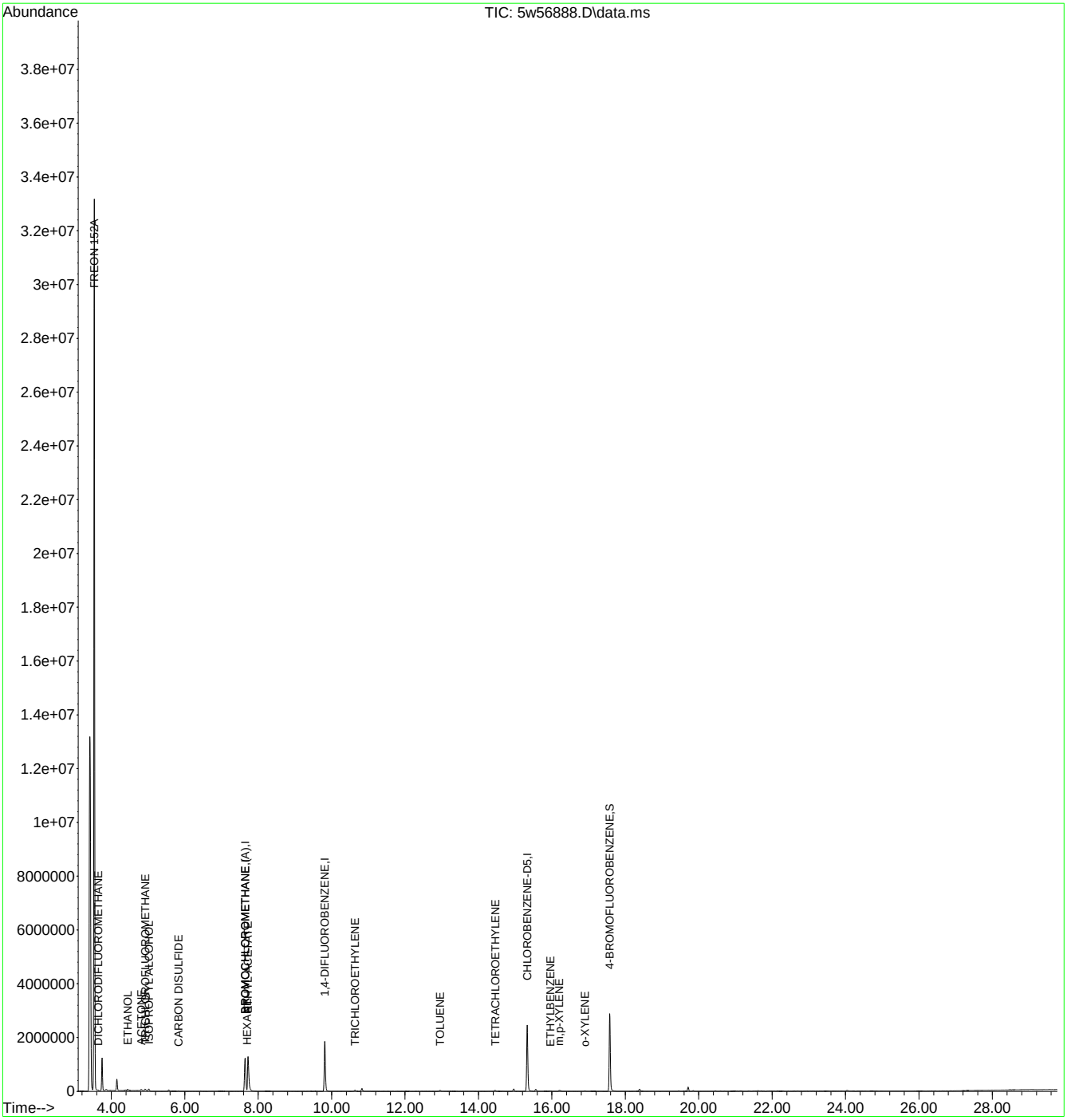
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.645	128	389287	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.810	114	1794251	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.328	82	874072	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.645	128	389287	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.574	95	1182997	11.49	PPBV	-0.01
Spiked Amount 10.000	Range 65 - 128		Recovery = 114.90%			
Target Compounds						Qvalue
3) FREON 152A	3.533	65	2209155	80.1075	PPBV #	1
6) DICHLORODIFLUOROMETHANE	3.637	85	19074	0.1539	PPBV	98
21) TRICHLOROFLUOROMETHANE	4.922	101	37402	0.2741	PPBV	99
22) ISOPROPYL ALCOHOL	5.020	45	27851	0.3862	PPBV	71
23) ACETONE	4.812	58	11980	0.5167	PPBV #	72
27) CARBON DISULFIDE	5.828	76	24096	0.2402	PPBV	90
28) ETHANOL	4.445	45	58194	2.0785	PPBV	98
38) HEXANE	7.693	57	3971	0.0783	PPBV #	45
44) ETHYL ACETATE	7.718	61	260381	24.0274	PPBV #	78
55) TRICHLOROETHYLENE	10.636	95	16308	0.2638	PPBV	91
66) TOLUENE	12.955	92	20521	0.2450	PPBV	99
73) TETRACHLOROETHYLENE	14.460	164	8677	0.1408	PPBV	85
79) ETHYLBENZENE	15.959	91	16409	0.1031	PPBV	94
80) m,p-XYLENE	16.197	106	21865	0.3428	PPBV #	80
81) o-XYLENE	16.901	106	7750	0.1249	PPBV #	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

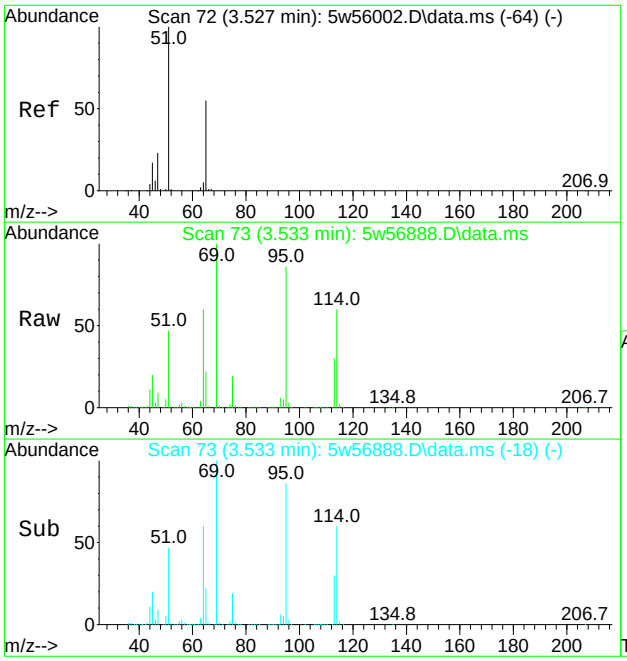
Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56888.D
Acq On : 14 Feb 2025 11:25 am
Operator : thomash
Sample : je5543-4 Inst : GCMS5W
Misc : MS89637,V5W2179,100,,,,1.52
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 14 19:45:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



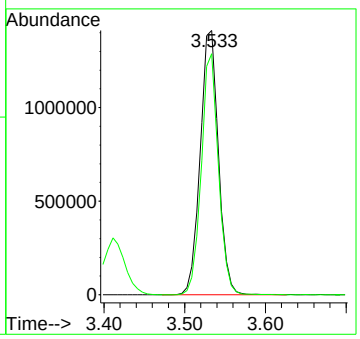
M5w2144.M Sat Feb 15 03:15:03 2025 Page: 2

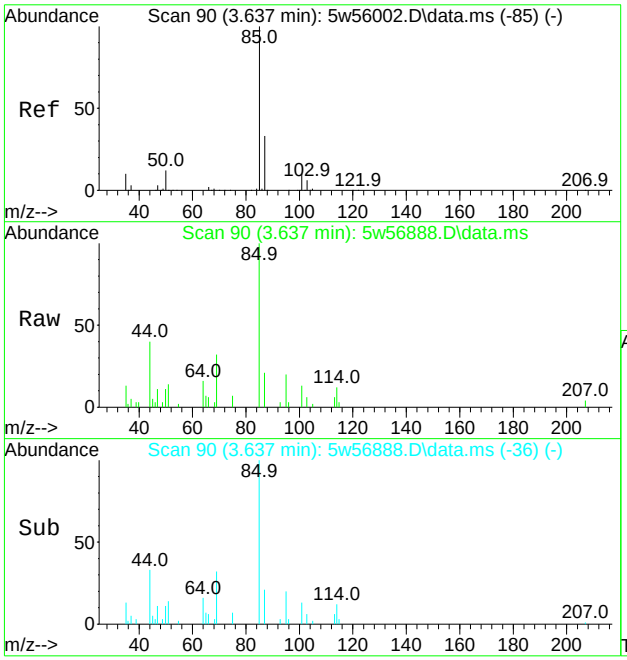


#3
FREON 152A
Concen: 80.1075 PPBV
RT: 3.533 min Scan# 73
Delta R.T. 0.006 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion: 65 Resp: 2209155

Ion	Ratio	Lower	Upper
65	100		
45	85.8	1.3	61.3#

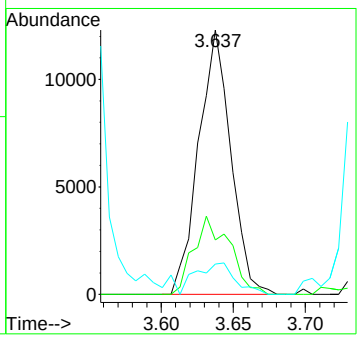


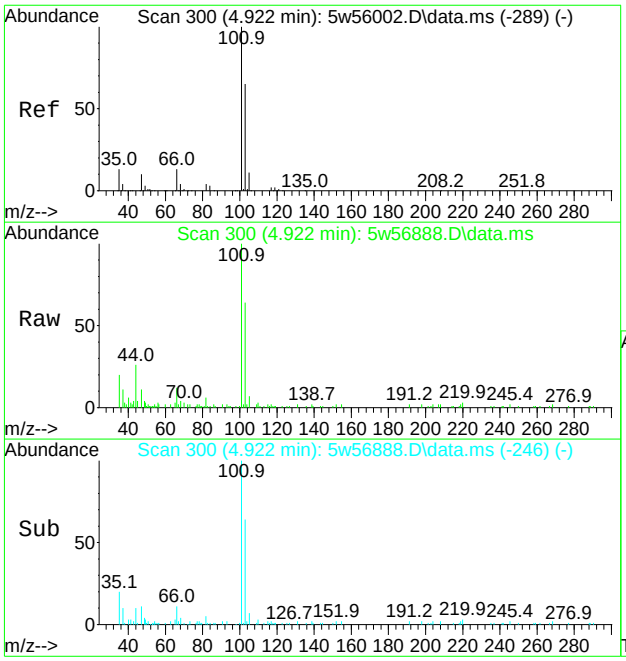


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1539 PPBV
RT: 3.637 min Scan# 90
Delta R.T. -0.000 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion: 85 Resp: 19074

Ion	Ratio	Lower	Upper
85	100		
87	33.0	2.7	62.7
50	14.5	0.0	42.5

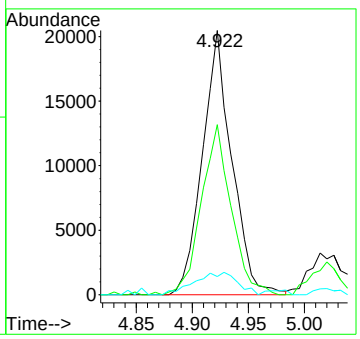


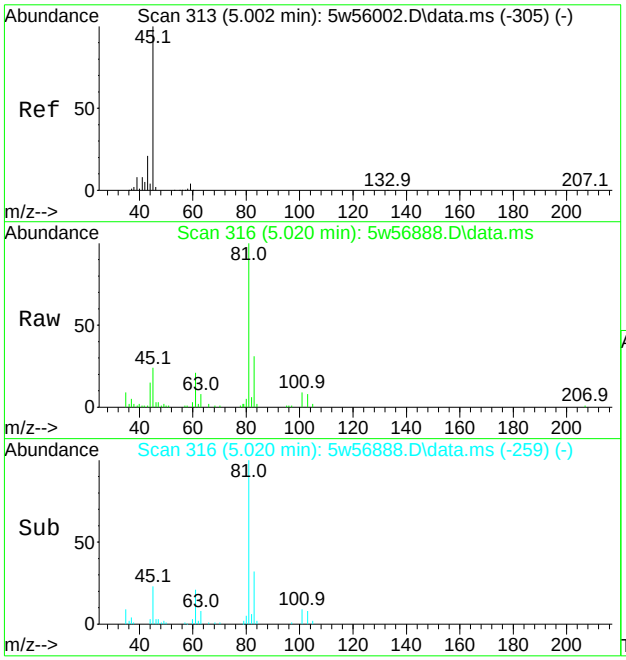


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2741 PPBV
RT: 4.922 min Scan# 300
Delta R.T. -0.000 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion:101 Resp: 37402

Ion	Ratio	Lower	Upper
101	100		
103	65.5	34.8	94.8
105	12.4	0.0	40.9

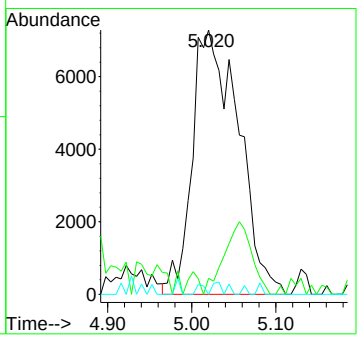


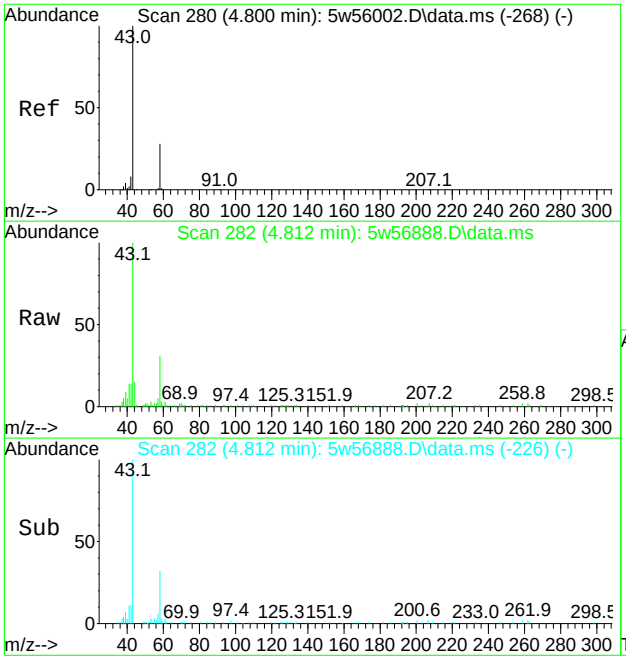


#22
ISOPROPYL ALCOHOL
Concen: 0.3862 PPBV
RT: 5.020 min Scan# 316
Delta R.T. 0.018 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion: 45 Resp: 27851

Ion	Ratio	Lower	Upper
45	100		
43	6.0	0.0	51.3
59	0.0	0.0	33.7

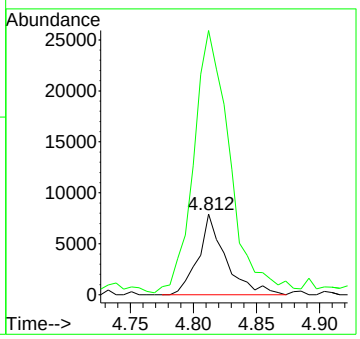


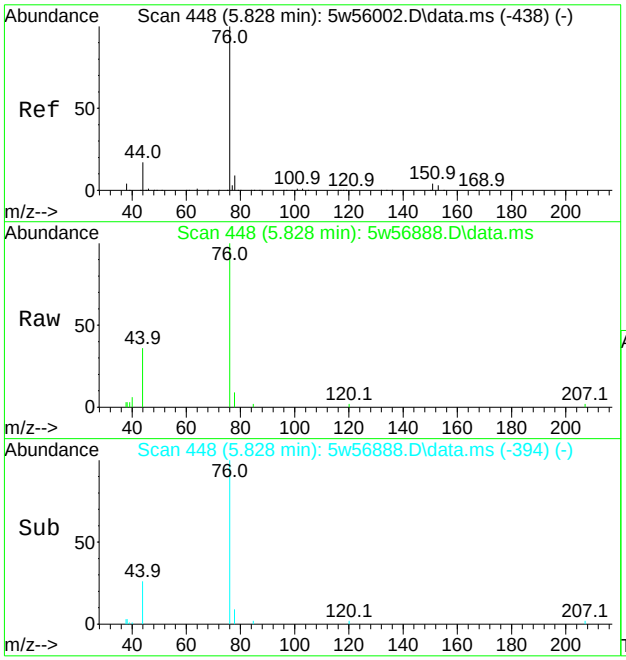


#23
ACETONE
Concen: 0.5167 PPBV
RT: 4.812 min Scan# 282
Delta R.T. 0.012 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion: 58 Resp: 11980

Ion	Ratio	Lower	Upper
58	100		
43	426.3	334.9	394.9#

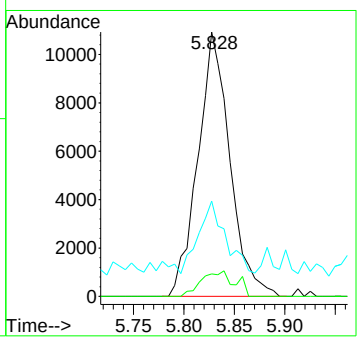


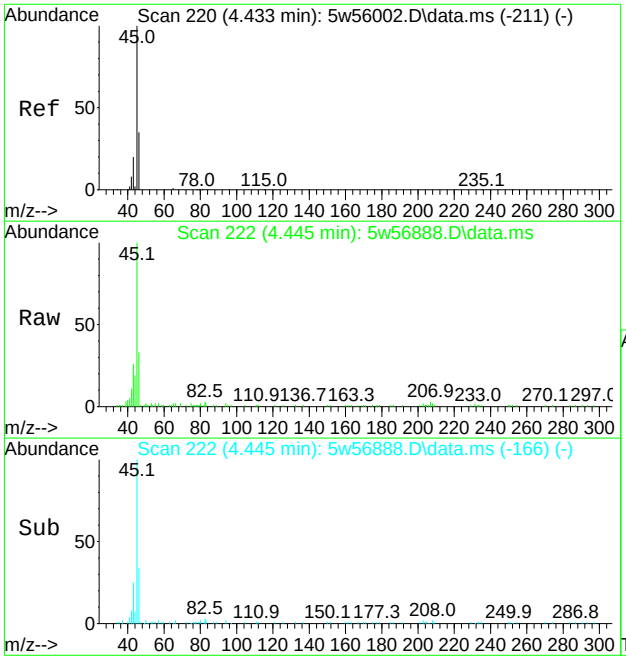


#27
CARBON DISULFIDE
Concen: 0.2402 PPBV
RT: 5.828 min Scan# 448
Delta R.T. -0.000 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion: 76 Resp: 24096

Ion	Ratio	Lower	Upper
76	100		
78	10.0	0.0	41.3
44	23.1	0.0	47.0

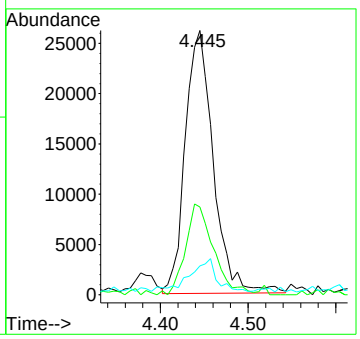


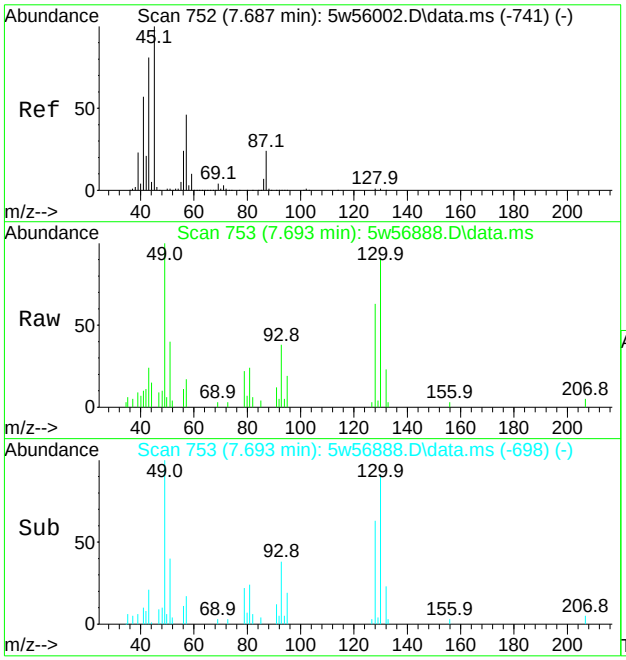


#28
ETHANOL
Concen: 2.0785 PPBV
RT: 4.445 min Scan# 222
Delta R.T. 0.012 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion: 45 Resp: 58194

Ion	Ratio	Lower	Upper
45	100		
46	34.4	4.8	64.8
42	11.8	0.0	38.6

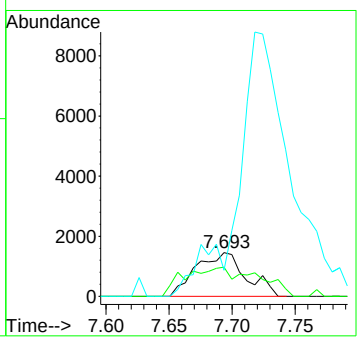


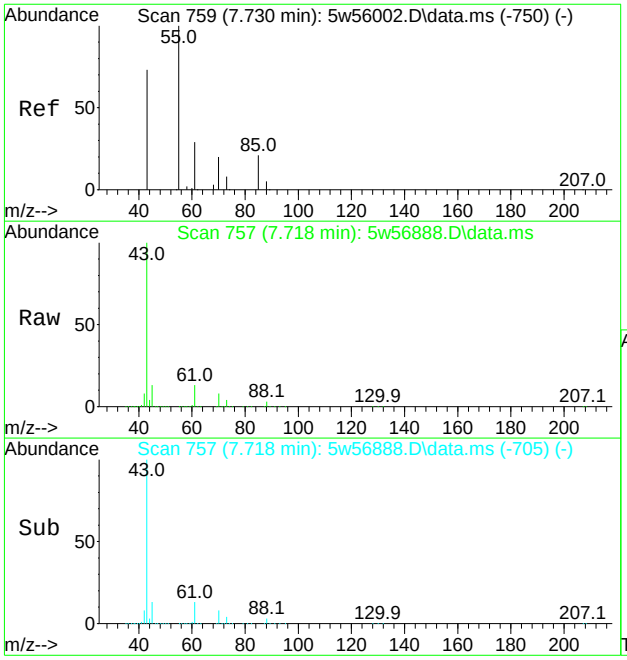


#38
HEXANE
Concen: 0.0783 PPBV
RT: 7.693 min Scan# 753
Delta R.T. 0.006 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion: 57 Resp: 3971

Ion	Ratio	Lower	Upper
57	100		
56	99.0	25.0	85.0#
41	68.1	100.0	160.0#

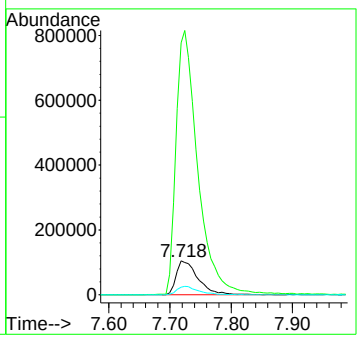


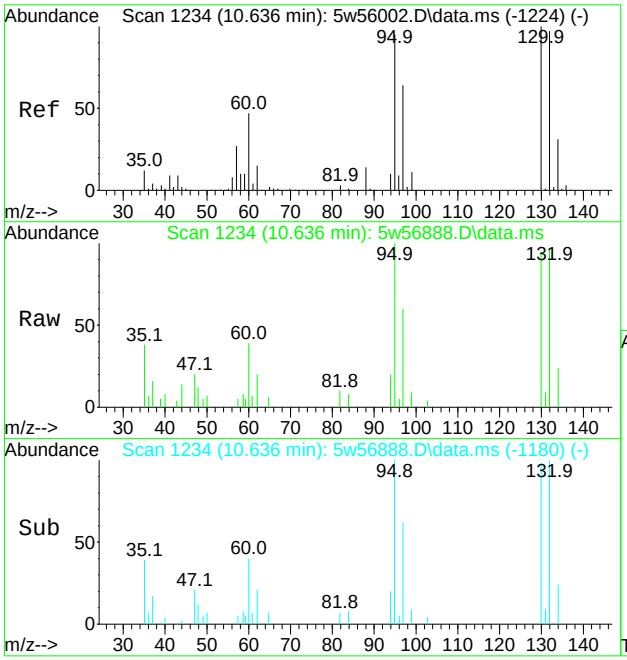


#44
ETHYL ACETATE
Concen: 24.0274 PPBV
RT: 7.718 min Scan# 757
Delta R.T. -0.012 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion: 61 Resp: 260381

Ion	Ratio	Lower	Upper
61	100		
43	783.6	0.0	30.0#
88	24.9	8.3	68.3

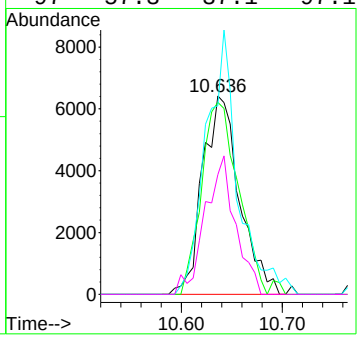


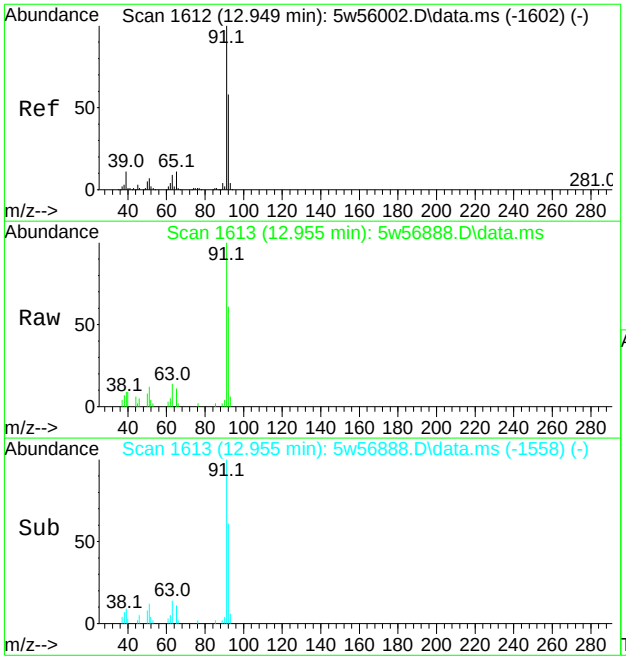


#55
TRICHLOROETHYLENE
Concen: 0.2638 PPBV
RT: 10.636 min Scan# 1234
Delta R.T. -0.000 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion: 95 Resp: 16308

Ion	Ratio	Lower	Upper
95	100		
132	97.1	74.7	134.7
130	114.5	76.4	136.4
97	57.3	37.1	97.1

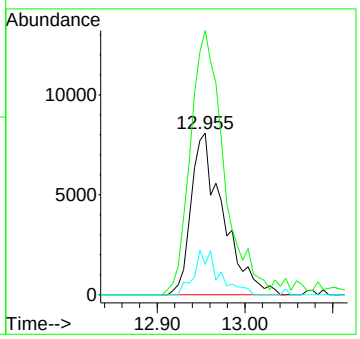


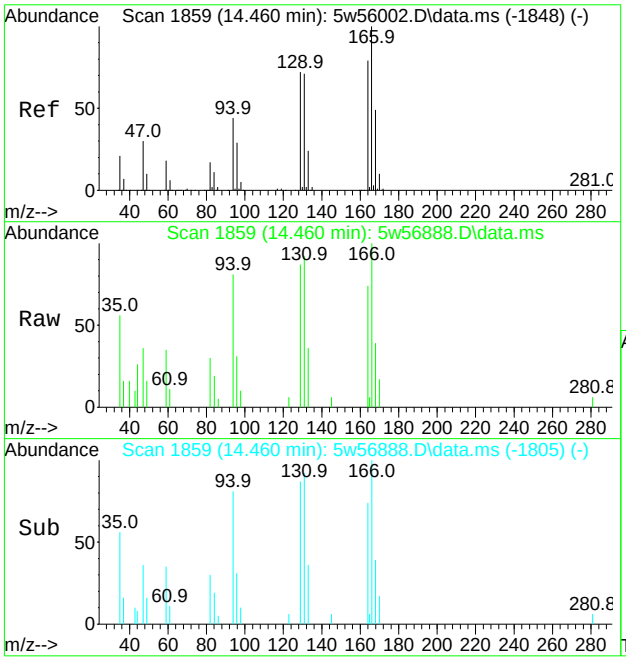


#66
TOLUENE
Concen: 0.2450 PPBV
RT: 12.955 min Scan# 1613
Delta R.T. 0.006 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion: 92 Resp: 20521

Ion	Ratio	Lower	Upper
92	100		
91	171.0	142.9	202.9
65	21.5	0.0	51.6

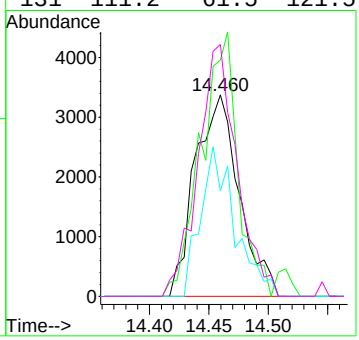


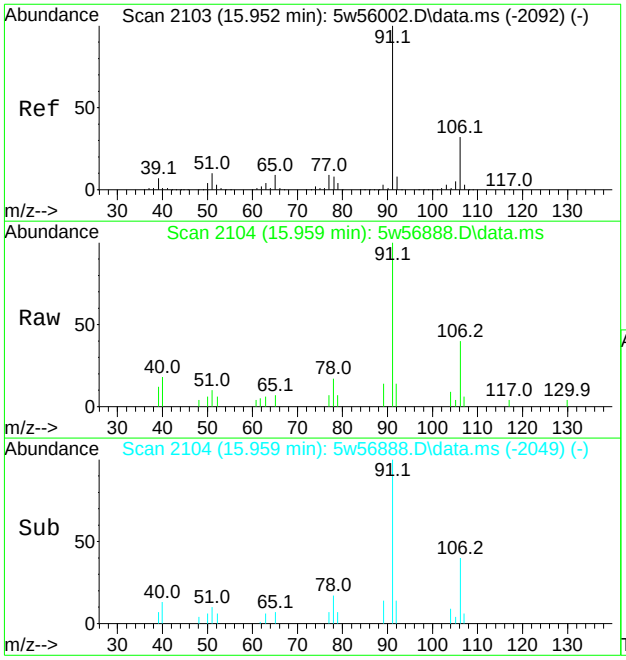


#73
TETRACHLOROETHYLENE
Concen: 0.1408 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.000 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion:164 Resp: 8677

Ion	Ratio	Lower	Upper
164	100		
129	109.7	63.5	123.5
168	58.1	31.0	91.0
131	111.2	61.5	121.5

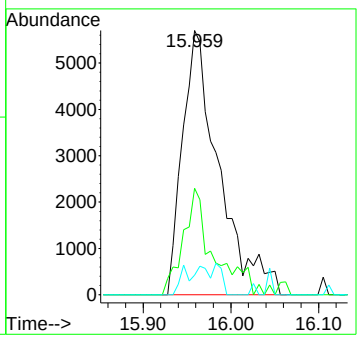


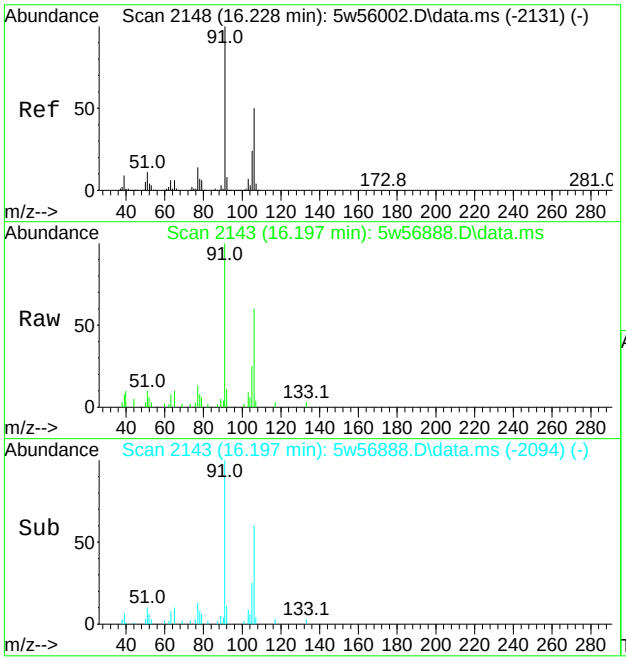


#79
ETHYLBENZENE
Concen: 0.1031 PPBV
RT: 15.959 min Scan# 2104
Delta R.T. 0.006 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion: 91 Resp: 16409

Ion	Ratio	Lower	Upper
91	100		
106	33.3	1.6	61.6
77	3.6	0.0	38.8

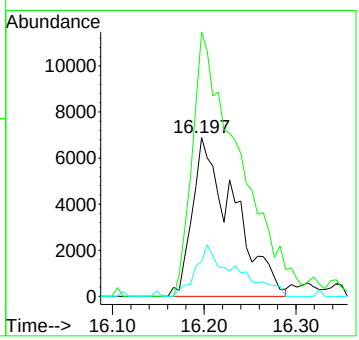


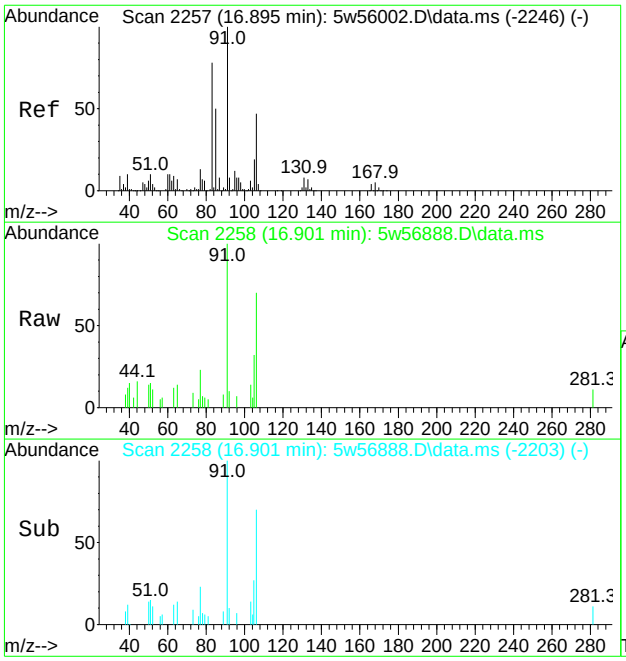


#80
m,p-XYLENE
Concen: 0.3428 PPBV
RT: 16.197 min Scan# 2143
Delta R.T. -0.031 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion:106 Resp: 21865

Ion	Ratio	Lower	Upper
106	100		
91	166.3	168.7	228.7#
77	22.0	0.0	57.9

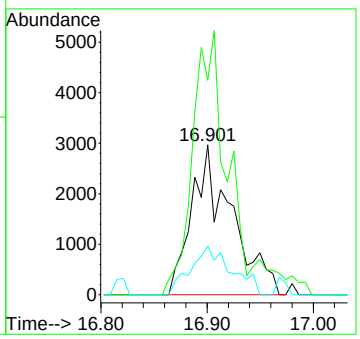




#81
o-XYLENE
Concen: 0.1249 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. 0.006 min
Lab File: 5w56888.D
Acq: 14 Feb 2025 11:25 am

Tgt Ion:106 Resp: 7750

Ion	Ratio	Lower	Upper
106	100		
91	164.1	181.0	241.0#
77	33.1	0.0	57.4



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/14/25 22:57

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56880.D
Acq On : 14 Feb 2025 5:32 am
Operator : thomash
Sample : je5543-5 Inst : GCMS5W
Misc : MS89637,V5W2179,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 15 03:13:40 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

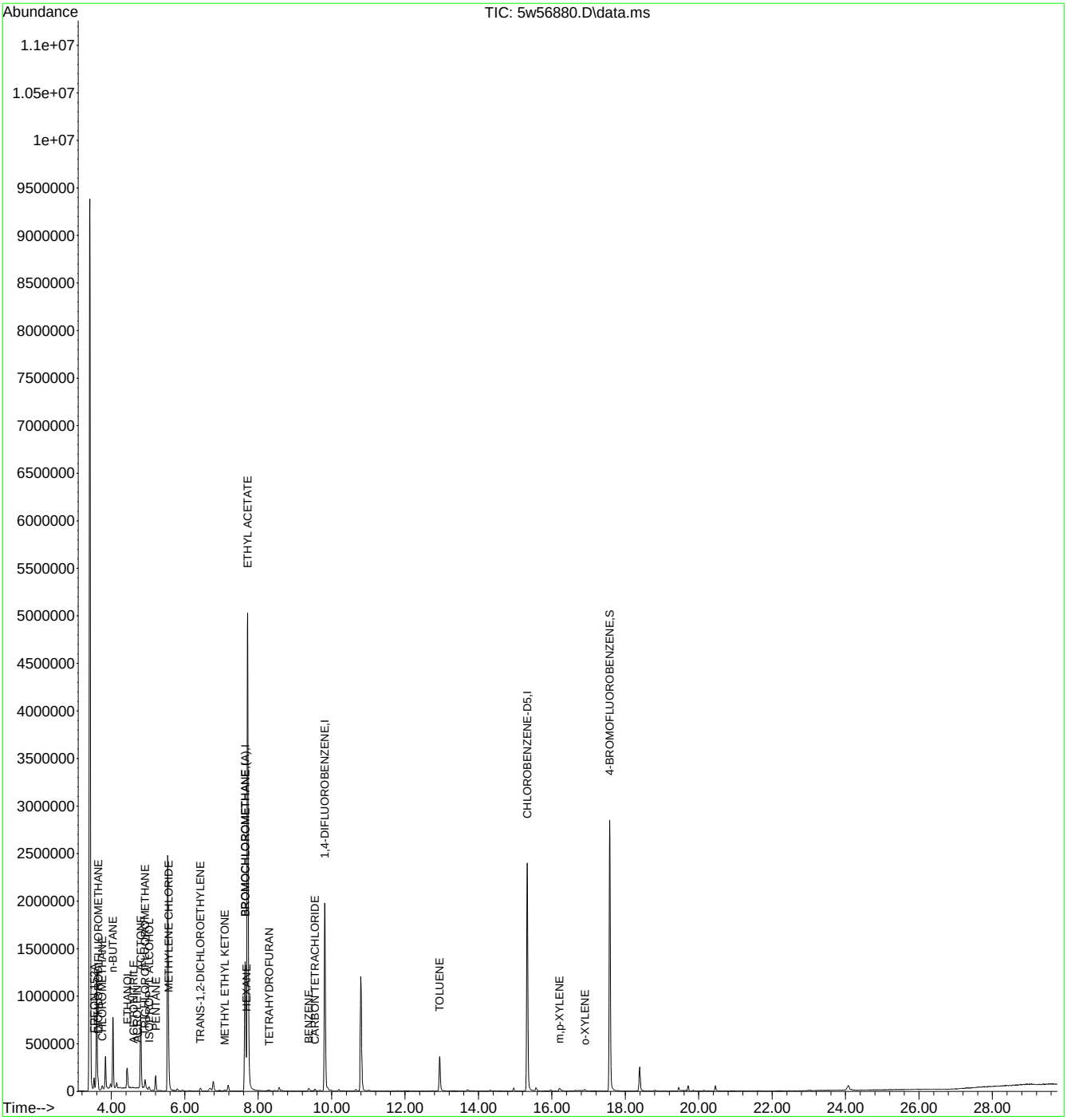
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.645	128	422909	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.810	114	1944736	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.328	82	884073	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.645	128	422909	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.574	95	1204963	11.57	PPBV	-0.01
Spiked Amount 10.000	Range 65 - 128		Recovery = 115.70%			
Target Compounds						Qvalue
3) FREON 152A	3.527	65	45560	1.5207	PPBV	87
6) DICHLORODIFLUOROMETHANE	3.637	85	99537	0.7392	PPBV	99
10) CHLOROMETHANE	3.748	52	10837	0.5876	PPBV	100
13) n-BUTANE	4.041	43	584707	6.6880	PPBV	97
17) ACETONITRILE	4.604	41	5181	0.1020	PPBV #	87
18) ACROLEIN	4.696	56	3544	0.1579	PPBV	95
21) TRICHLOROFLUOROMETHANE	4.916	101	73106	0.4931	PPBV	95
22) ISOPROPYL ALCOHOL	5.032	45	54388	0.6943	PPBV	95
23) ACETONE	4.794	58	97874	3.8859	PPBV #	3
24) PENTANE	5.210	42	70048	1.7685	PPBV	96
28) ETHANOL	4.433	45	263098	8.6500	PPBV	98
31) METHYLENE CHLORIDE	5.564	84	22292	0.5818	PPBV	92
34) TRANS-1,2-DICHLOROETHY...	6.421	96	13186	0.3228	PPBV	96
37) TETRAHYDROFURAN	8.293	72	3553m	0.2306	PPBV	
38) HEXANE	7.681	57	65837	1.1944	PPBV #	18
41) METHYL ETHYL KETONE	7.082	72	5028	0.3224	PPBV #	86
44) ETHYL ACETATE	7.712	61	945683	80.3279	PPBV #	78
49) CARBON TETRACHLORIDE	9.541	117	11219	0.1055	PPBV	87
52) BENZENE	9.376	78	36879	0.2937	PPBV	94
66) TOLUENE	12.942	92	201710	2.2220	PPBV	99
80) m,p-XYLENE	16.203	106	18320	0.2840	PPBV #	64
81) o-XYLENE	16.901	106	7984	0.1272	PPBV	90

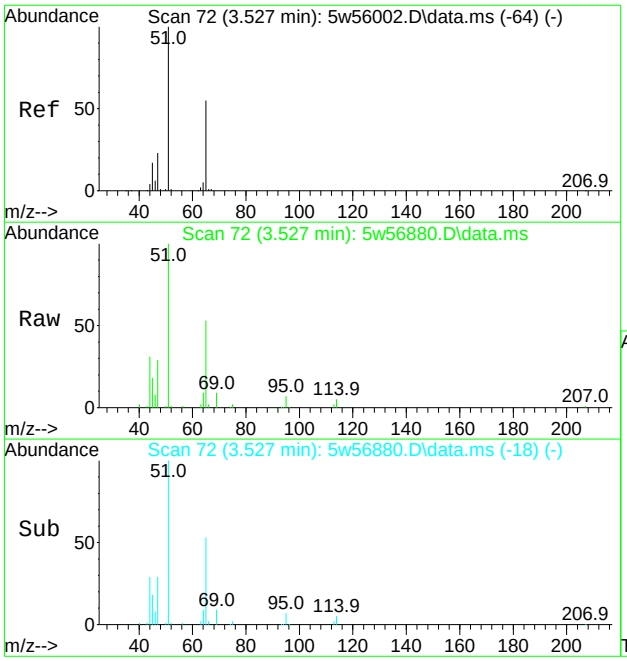
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56880.D
Acq On : 14 Feb 2025 5:32 am
Operator : thomash
Sample : je5543-5 Inst : GCMS5W
Misc : MS89637,V5W2179,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 15 03:13:40 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

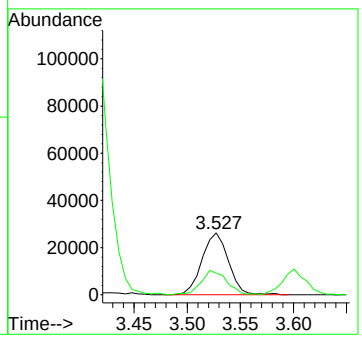


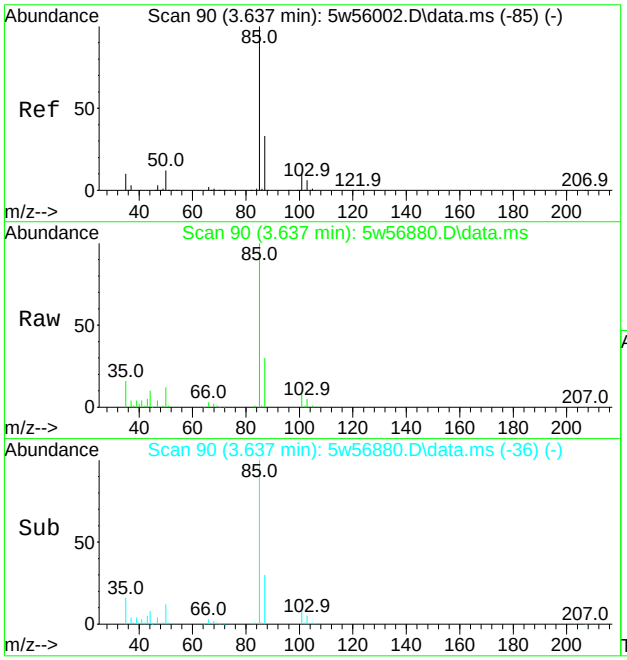


#3
FREON 152A
Concen: 1.5207 PPBV
RT: 3.527 min Scan# 72
Delta R.T. -0.000 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 65 Resp: 45560

Ion	Ratio	Lower	Upper
65	100		
45	38.2	1.3	61.3

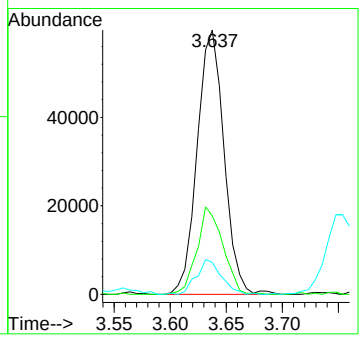


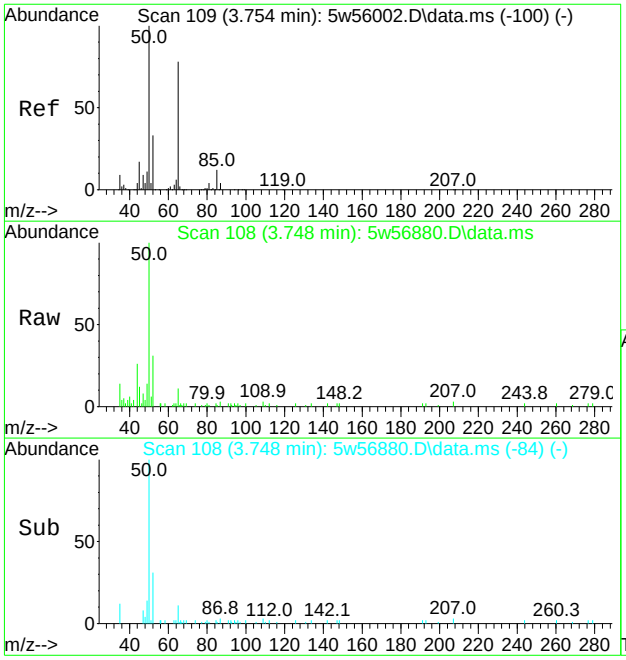


#6
DICHLORODIFLUOROMETHANE
Concen: 0.7392 PPBV
RT: 3.637 min Scan# 90
Delta R.T. -0.000 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 85 Resp: 99537

Ion	Ratio	Lower	Upper
85	100		
87	32.1	2.7	62.7
50	12.3	0.0	42.5

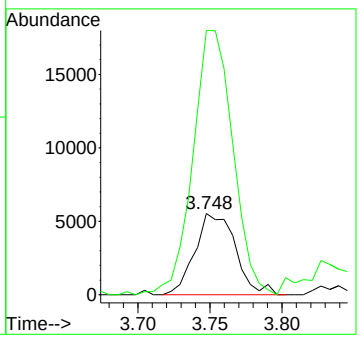


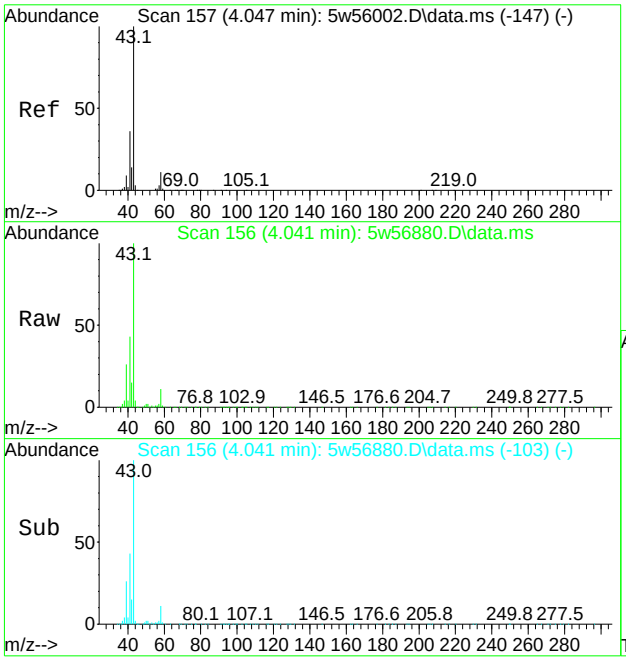


#10
CHLOROMETHANE
Concen: 0.5876 PPBV
RT: 3.748 min Scan# 108
Delta R.T. -0.006 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 52 Resp: 10837

Ion	Ratio	Lower	Upper
52	100		
50	308.3	277.5	337.5

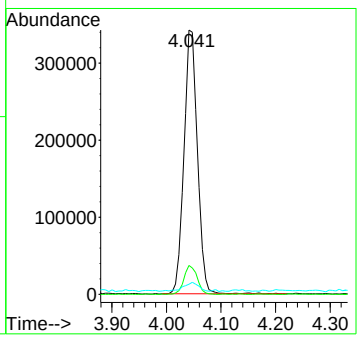


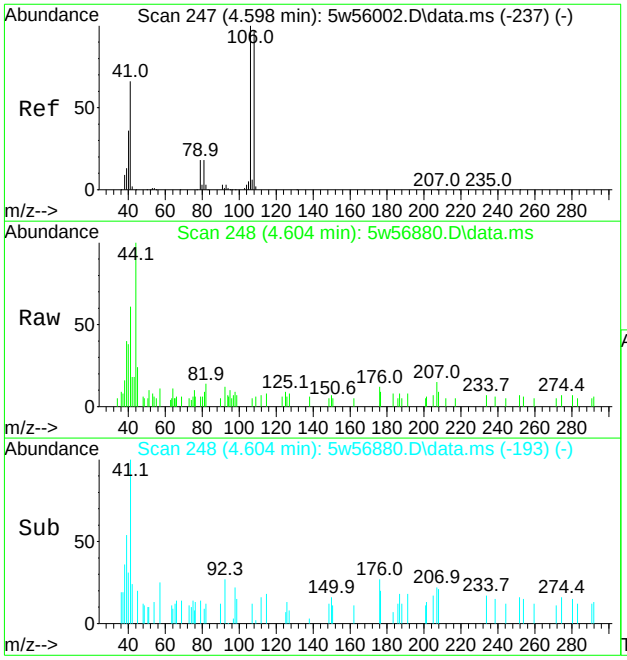


#13
n-BUTANE
Concen: 6.6880 PPBV
RT: 4.041 min Scan# 156
Delta R.T. -0.006 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 43 Resp: 584707

Ion	Ratio	Lower	Upper
43	100		
58	10.8	0.0	40.6
44	3.7	0.0	36.0

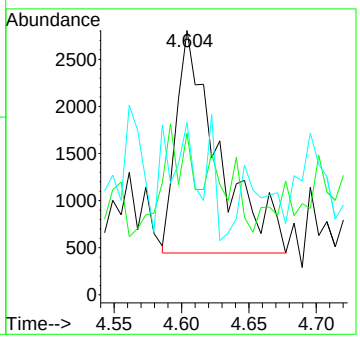


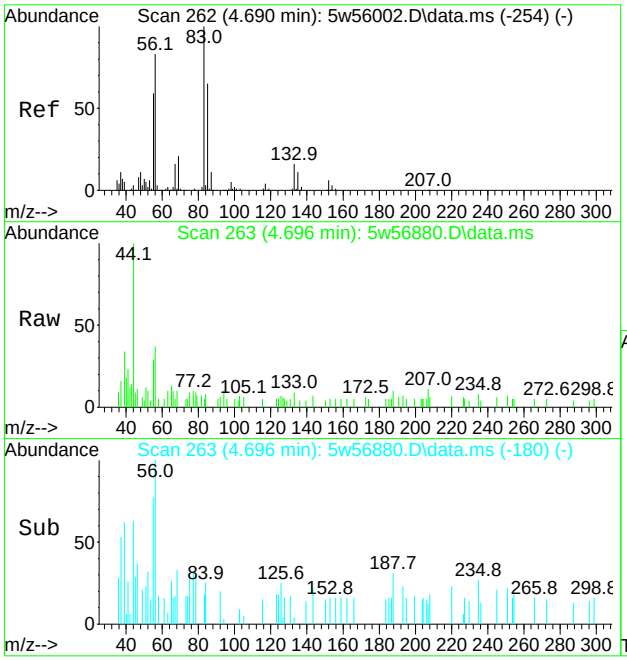


#17
ACETONITRILE
Concen: 0.1020 PPBV
RT: 4.604 min Scan# 248
Delta R.T. 0.006 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 41 Resp: 5181

Ion	Ratio	Lower	Upper
41	100		
40	56.3	38.2	71.0
39	0.0	13.9	25.9#

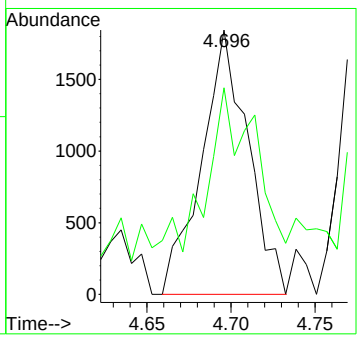


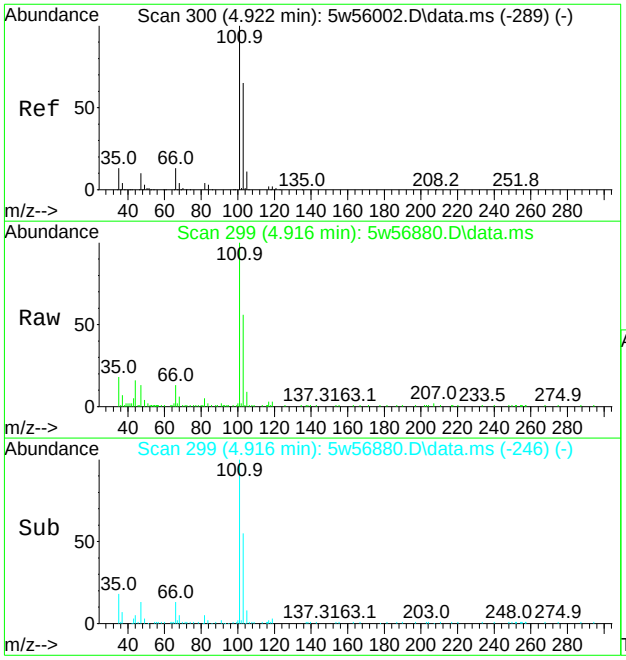


#18
ACROLEIN
Concen: 0.1579 PPBV
RT: 4.696 min Scan# 263
Delta R.T. 0.006 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 56 Resp: 3544

Ion	Ratio	Lower	Upper
56	100		
55	65.8	49.2	91.4

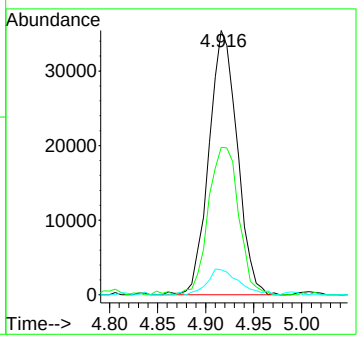


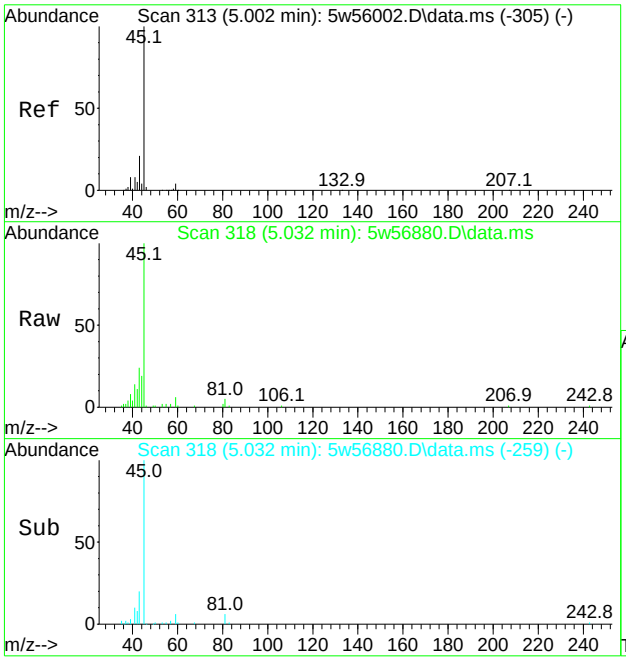


#21
TRICHLOROFLUOROMETHANE
Concen: 0.4931 PPBV
RT: 4.916 min Scan# 299
Delta R.T. -0.006 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion:101 Resp: 73106

Ion	Ratio	Lower	Upper
101	100		
103	59.8	34.8	94.8
105	10.9	0.0	40.9

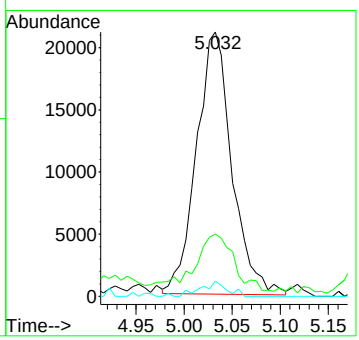


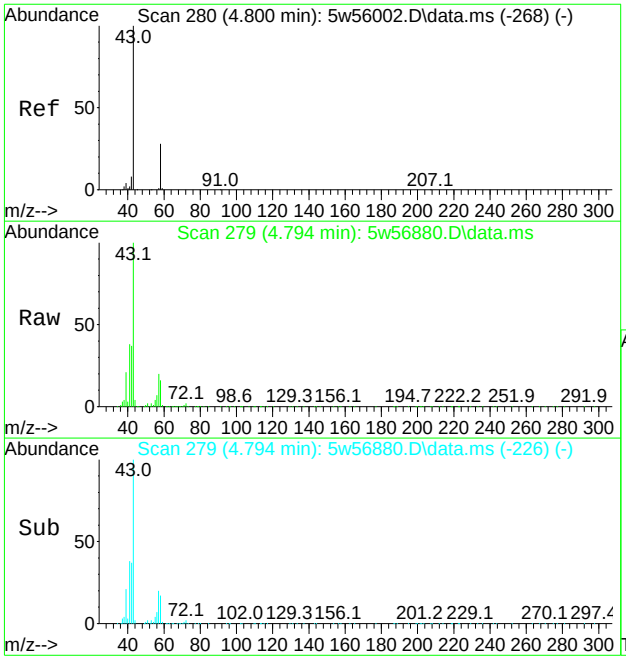


#22
ISOPROPYL ALCOHOL
Concen: 0.6943 PPBV
RT: 5.032 min Scan# 318
Delta R.T. 0.031 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 45 Resp: 54388

Ion	Ratio	Lower	Upper
45	100		
43	23.5	0.0	51.3
59	5.7	0.0	33.7

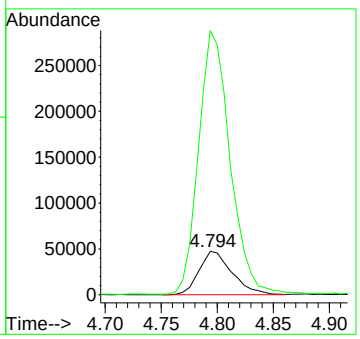


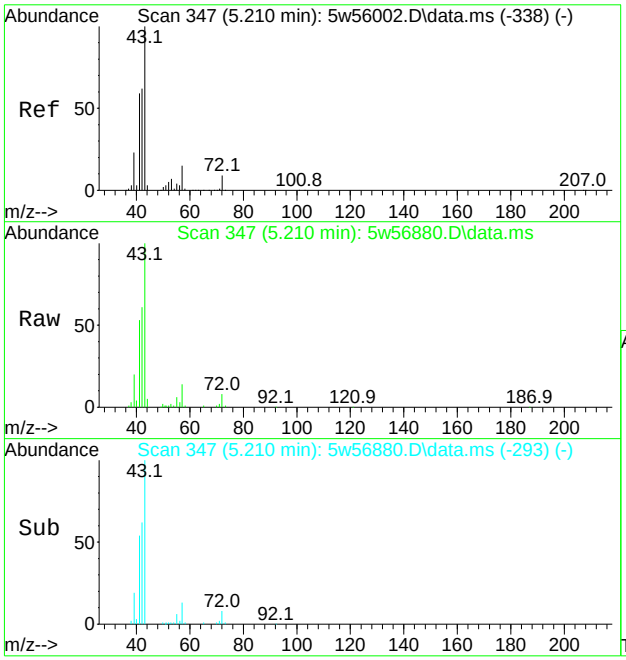


#23
ACETONE
Concen: 3.8859 PPBV
RT: 4.794 min Scan# 279
Delta R.T. -0.006 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 58 Resp: 97874

Ion	Ratio	Lower	Upper
58	100		
43	581.8	334.9	394.9#

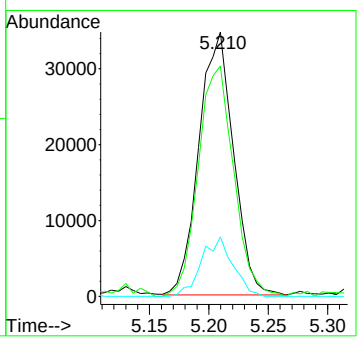


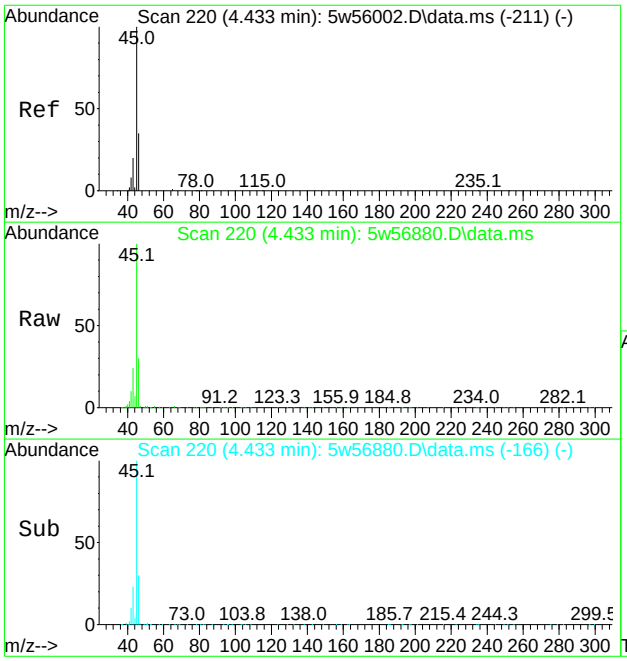


#24
PENTANE
Concen: 1.7685 PPBV
RT: 5.210 min Scan# 347
Delta R.T. -0.000 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 42 Resp: 70048

Ion	Ratio	Lower	Upper
42	100		
41	89.8	63.7	123.7
57	20.6	0.0	53.4

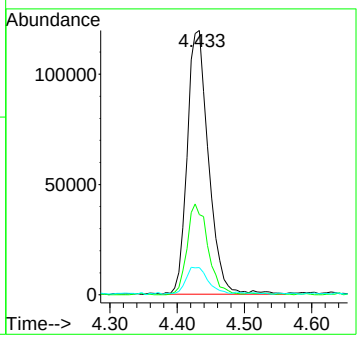


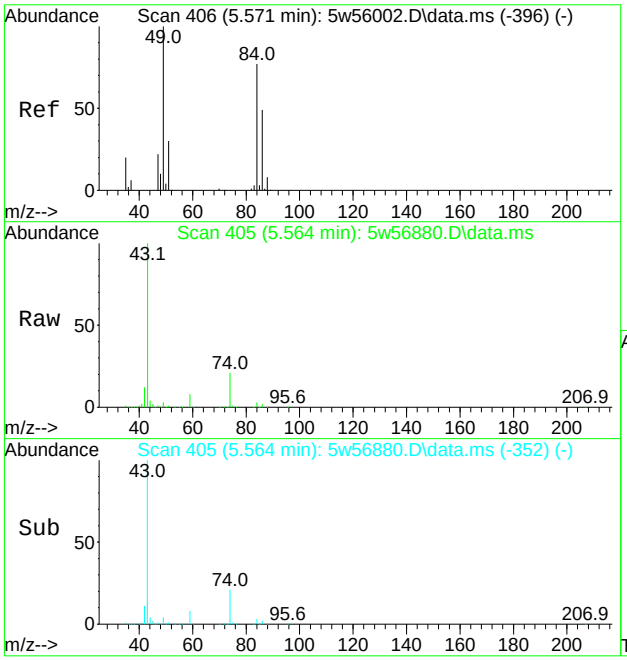


#28
ETHANOL
Concen: 8.6500 PPBV
RT: 4.433 min Scan# 220
Delta R.T. -0.000 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 45 Resp: 263098

Ion	Ratio	Lower	Upper
45	100		
46	33.8	4.8	64.8
42	10.0	0.0	38.6

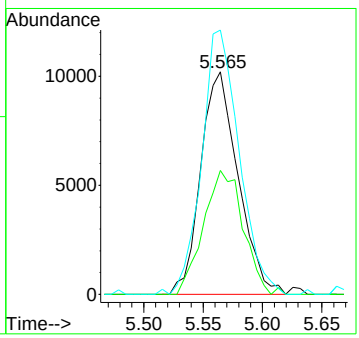


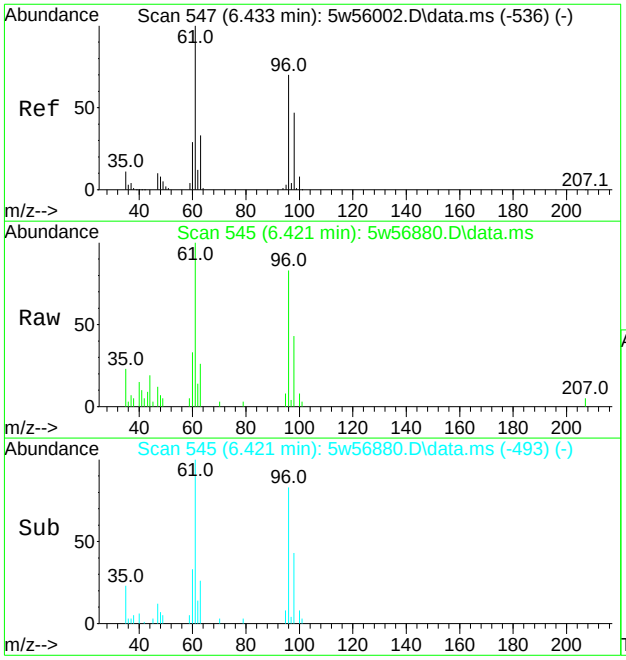


#31
METHYLENE CHLORIDE
Concen: 0.5818 PPBV
RT: 5.564 min Scan# 405
Delta R.T. -0.006 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 84 Resp: 22292

Ion	Ratio	Lower	Upper
84	100		
86	59.2	34.4	94.4
49	119.1	100.0	160.0

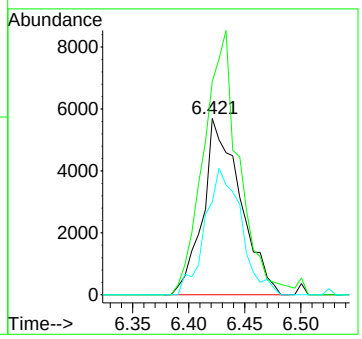


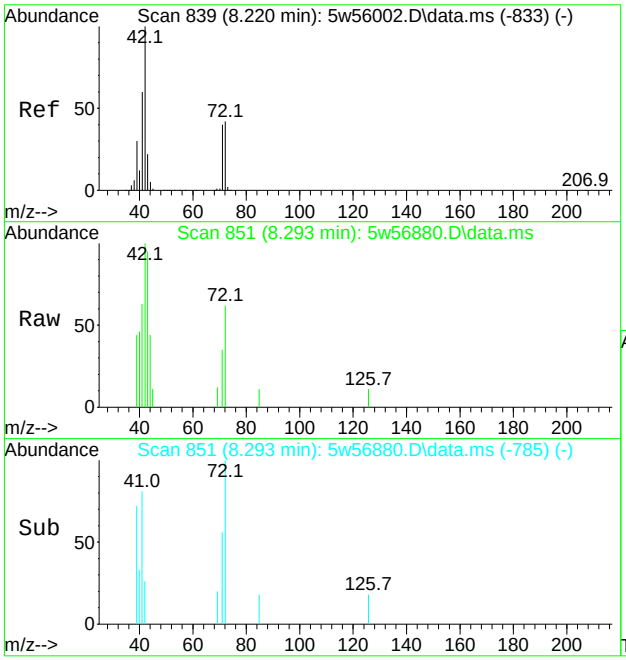


#34
TRANS-1,2-DICHLOROETHYLENE
Concen: 0.3228 PPBV
RT: 6.421 min Scan# 545
Delta R.T. -0.012 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 96 Resp: 13186

Ion	Ratio	Lower	Upper
96	100		
61	144.0	109.7	169.7
98	69.3	35.0	95.0

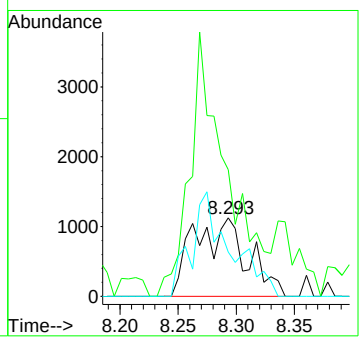


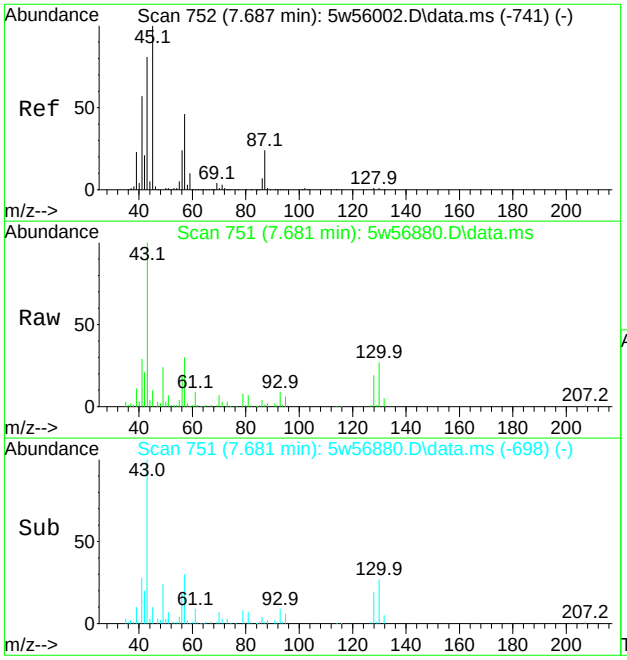


#37
TETRAHYDROFURAN
Concen: 0.2306 PPBV m
RT: 8.293 min Scan# 851
Delta R.T. 0.073 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 72 Resp: 3553

Ion	Ratio	Lower	Upper
72	100		
42	235.3	209.0	269.0
71	97.6	67.8	127.8

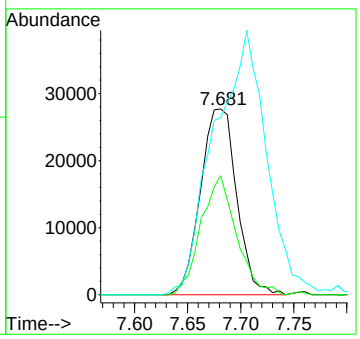


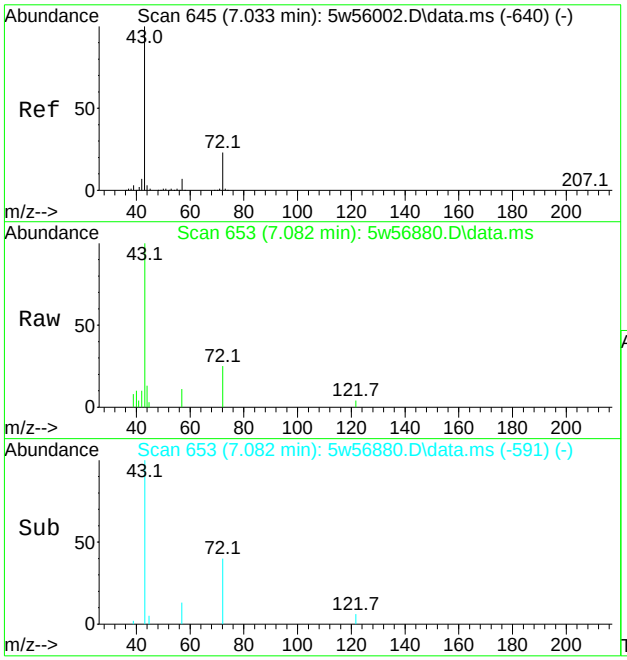


#38
HEXANE
Concen: 1.1944 PPBV
RT: 7.681 min Scan# 751
Delta R.T. -0.006 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 57 Resp: 65837

Ion	Ratio	Lower	Upper
57	100		
56	63.0	25.0	85.0
41	0.0	100.0	160.0#

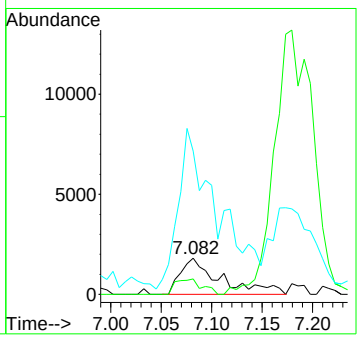


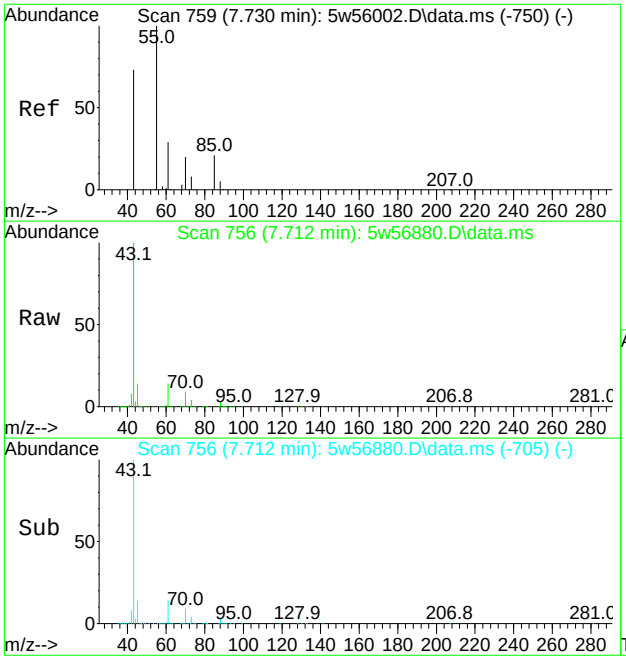


#41
METHYL ETHYL KETONE
Concen: 0.3224 PPBV
RT: 7.082 min Scan# 653
Delta R.T. 0.049 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 72 Resp: 5028

Ion	Ratio	Lower	Upper
72	100		
57	42.8	0.0	59.5
43	395.3	398.1	458.1#

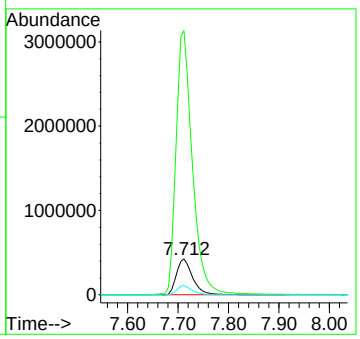


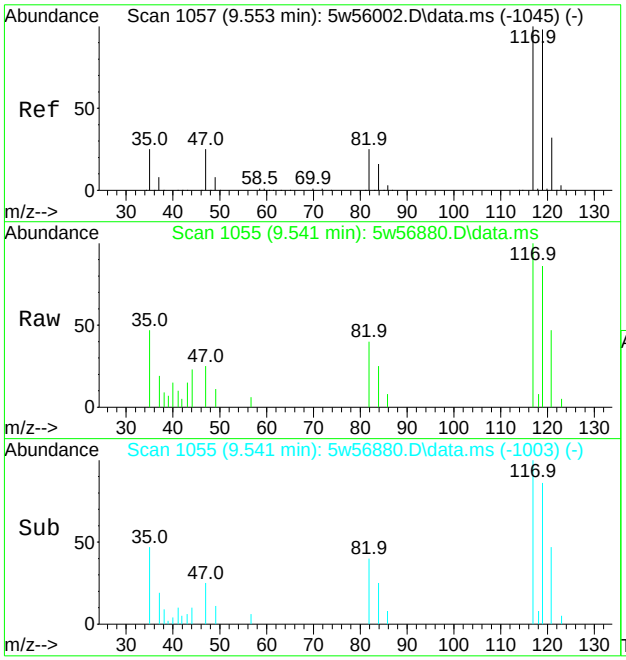


#44
ETHYL ACETATE
Concen: 80.3279 PPBV
RT: 7.712 min Scan# 756
Delta R.T. -0.018 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 61 Resp: 945683

Ion	Ratio	Lower	Upper
61	100		
43	753.2	0.0	30.0#
88	24.8	8.3	68.3

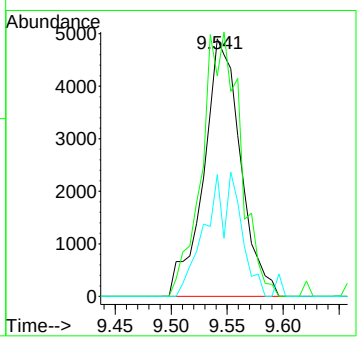


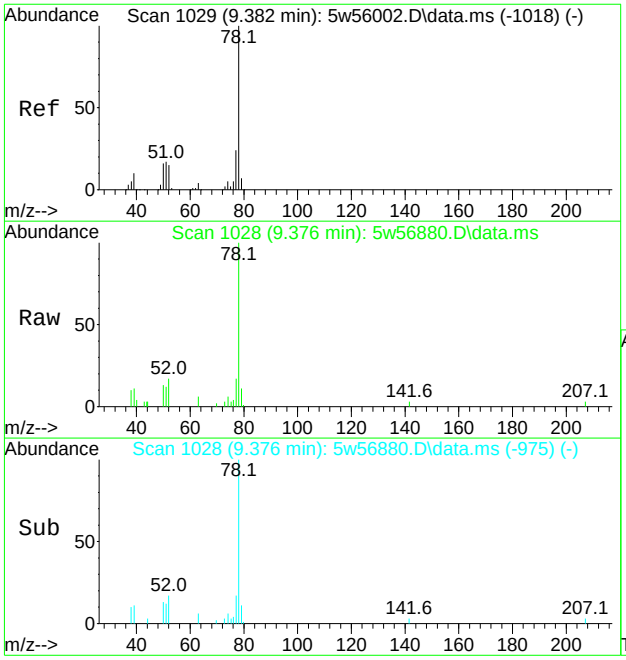


#49
CARBON TETRACHLORIDE
Concen: 0.1055 PPBV
RT: 9.541 min Scan# 1055
Delta R.T. -0.012 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion:117 Resp: 11219

Ion	Ratio	Lower	Upper
117	100		
119	107.5	67.6	127.6
121	44.9	1.5	61.5

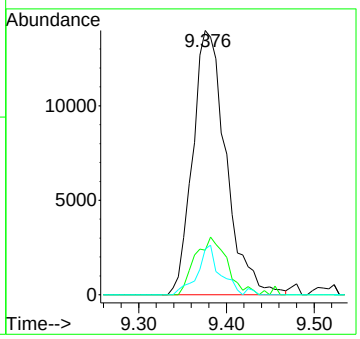


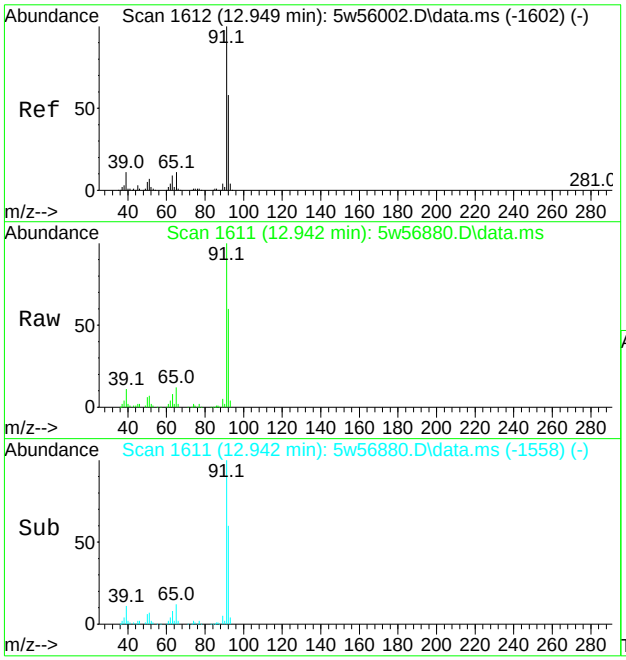


#52
BENZENE
Concen: 0.2937 PPBV
RT: 9.376 min Scan# 1028
Delta R.T. -0.006 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 78 Resp: 36879

Ion	Ratio	Lower	Upper
78	100		
77	21.0	0.0	54.1
52	12.6	0.0	45.0

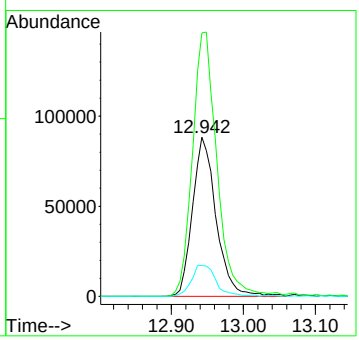


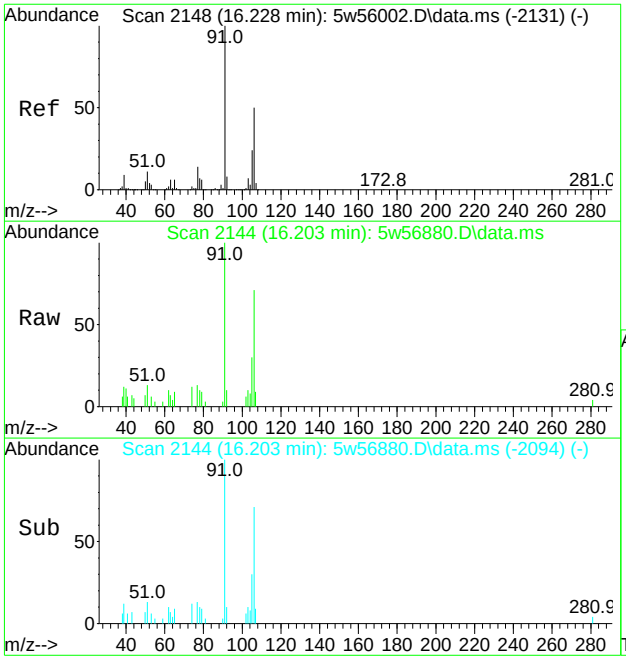


#66
TOLUENE
Concen: 2.2220 PPBV
RT: 12.942 min Scan# 1611
Delta R.T. -0.006 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion: 92 Resp: 201710

Ion	Ratio	Lower	Upper
92	100		
91	174.0	142.9	202.9
65	20.4	0.0	51.6

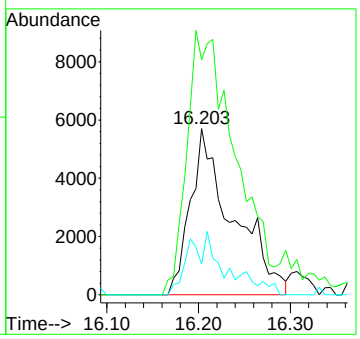


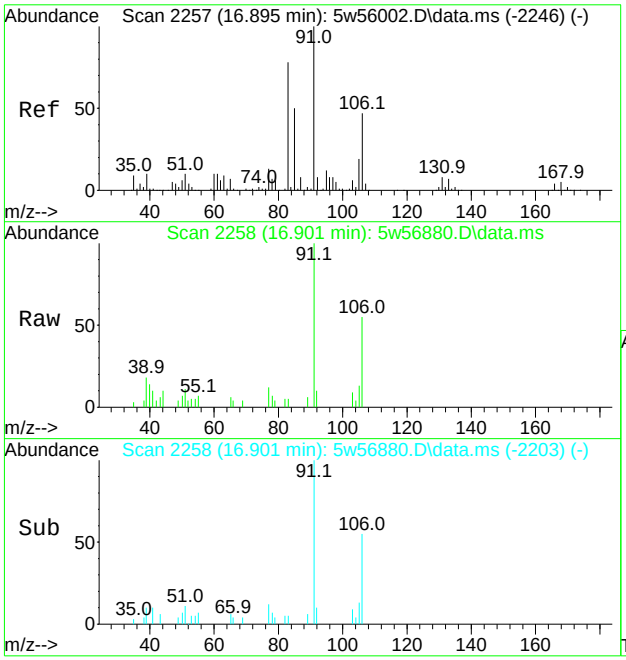


#80
m,p-XYLENE
Concen: 0.2840 PPBV
RT: 16.203 min Scan# 2144
Delta R.T. -0.024 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion:106 Resp: 18320

Ion	Ratio	Lower	Upper
106	100		
91	141.4	168.7	228.7#
77	18.5	0.0	57.9

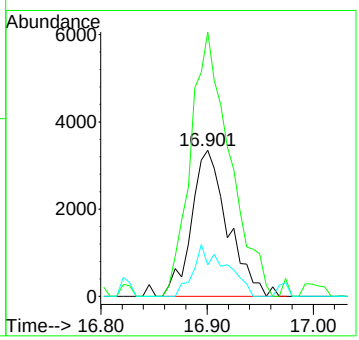




#81
o-XYLENE
Concen: 0.1272 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. 0.006 min
Lab File: 5w56880.D
Acq: 14 Feb 2025 5:32 am

Tgt Ion:106 Resp: 7984

Ion	Ratio	Lower	Upper
106	100		
91	195.2	181.0	241.0
77	31.6	0.0	57.4



Manual Integration Approval Summary

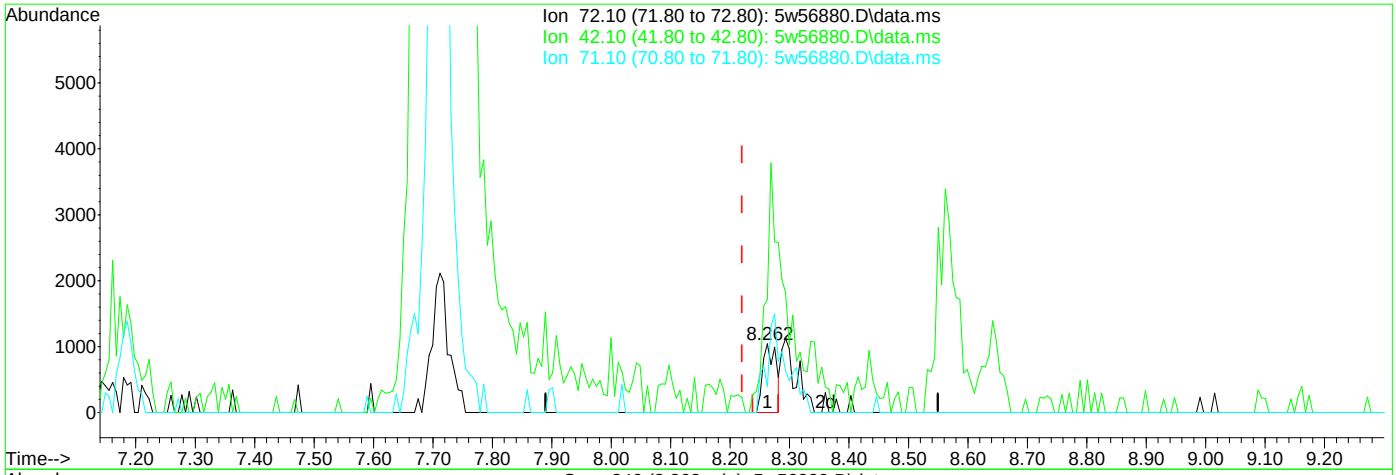
Sample Number:	JE5543-5	**Method:**	TO-15
Lab FileID:	5W56880.D	**Analyst approved:**	02/14/25 22:28 Geralyn Gomez
Injection Time:	02/14/25 05:32	**Supervisor approved:**	02/14/25 22:57 Kanya Veerawat

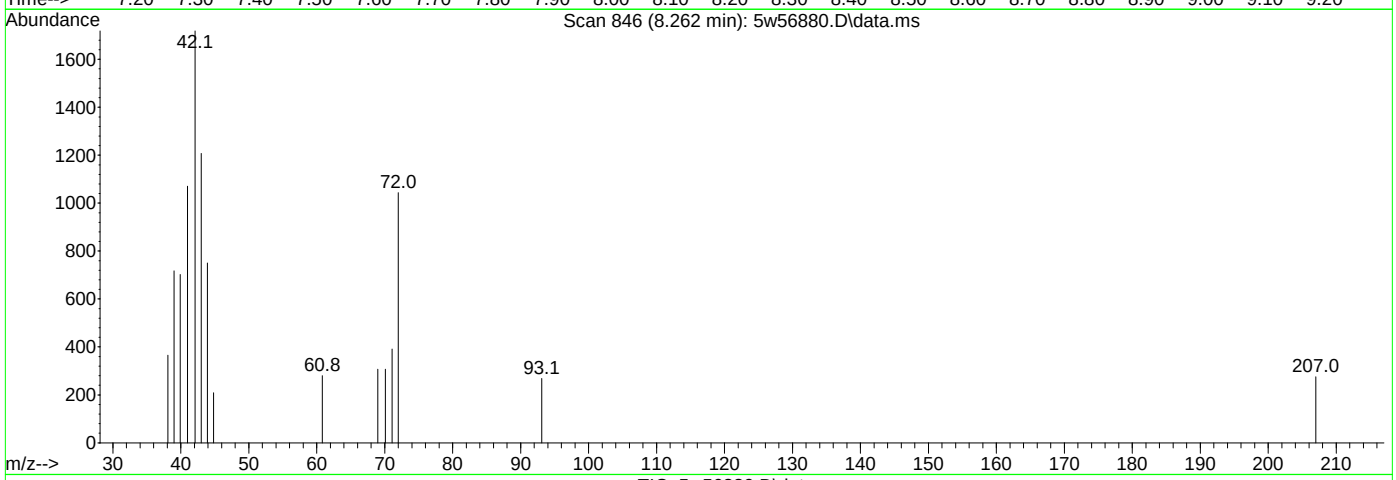
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tetrahydrofuran	109-99-9		8.29	Split peak

Quantitation Report (Qedit)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56880.D
Acq On : 14 Feb 2025 5:32 am
Operator : thomash
Sample : je5543-5 Inst : GCMS5W
Misc : MS89637,V5W2179,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 14 16:14:50 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration





TIC: 5w56880.D\data.ms

(37) TETRAHYDROFURAN

8.262min (+0.043) 0.10PPBV

response 1610

Ion	Exp%	Act%
72.10	100	100
42.10	239.00	519.25#
71.10	97.80	215.34#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56889.D
Acq On : 14 Feb 2025 12:07 pm
Operator : thomash
Sample : je5543-5 Inst : GCMS5W
Misc : MS89637,V5W2179,100,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 15 03:15:13 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

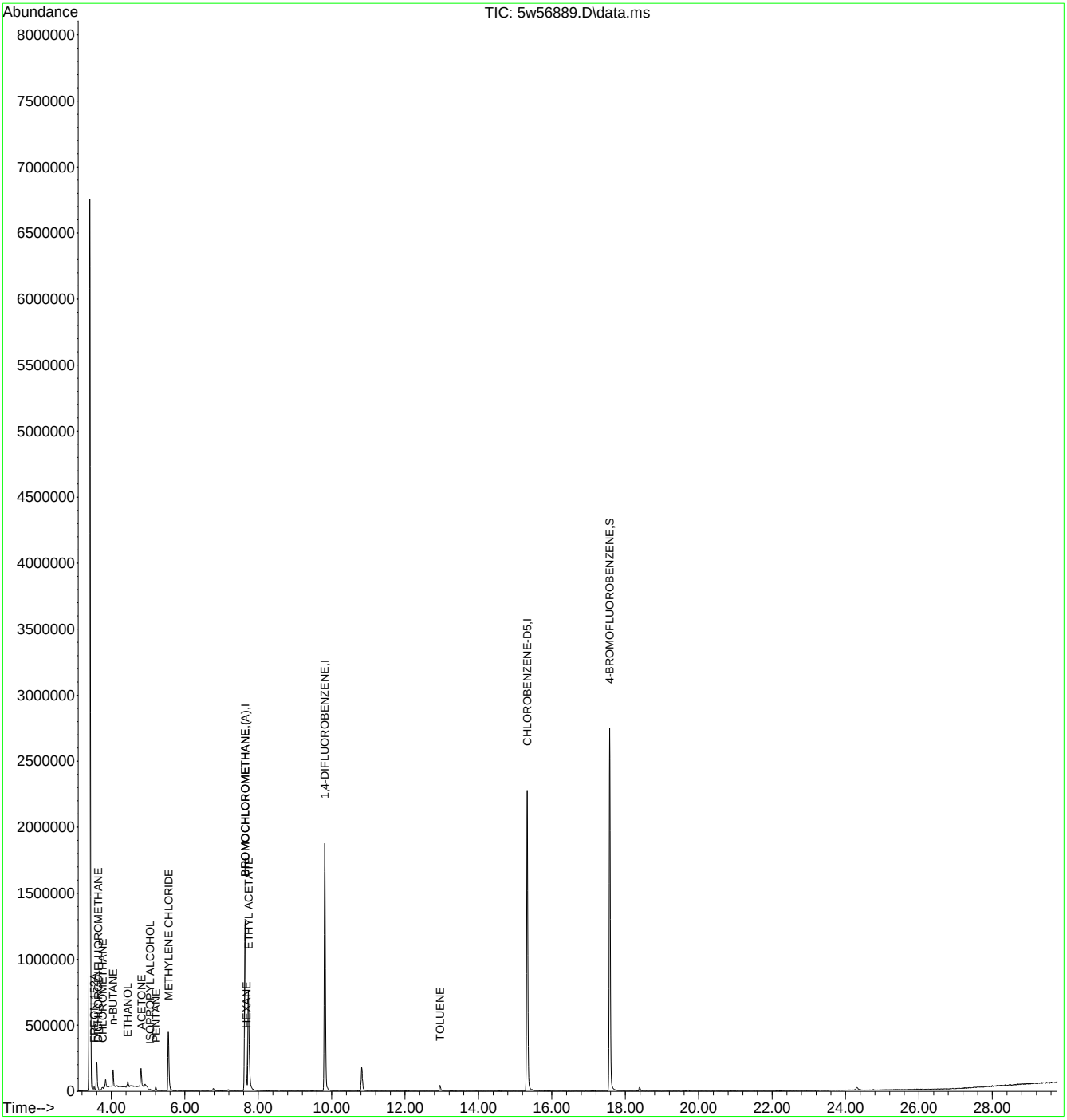
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.644	128	400060	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.810	114	1792952	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.328	82	812038	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.644	128	400060	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.573	95	1089920	11.39	PPBV	-0.01
Spiked Amount 10.000	Range 65 - 128		Recovery = 113.90%			
Target Compounds						Qvalue
3) FREON 152A	3.533	65	9250	0.3264	PPBV	74
6) DICHLORODIFLUOROMETHANE	3.637	85	18629	0.1462	PPBV	96
10) CHLOROMETHANE	3.760	52	2310	0.1324	PPBV #	65
13) n-BUTANE	4.047	43	102421	1.2384	PPBV	99
22) ISOPROPYL ALCOHOL	5.051	45	13488	0.1820	PPBV	68
23) ACETONE	4.818	58	18396	0.7721	PPBV #	1
24) PENTANE	5.216	42	14086	0.3759	PPBV	90
28) ETHANOL	4.445	45	44335	1.5409	PPBV	96
31) METHYLENE CHLORIDE	5.564	84	10114	0.2790	PPBV	94
38) HEXANE	7.681	57	12053	0.2311	PPBV #	76
44) ETHYL ACETATE	7.736	61	157669	14.1576	PPBV #	77
66) TOLUENE	12.955	92	26265	0.3138	PPBV	96

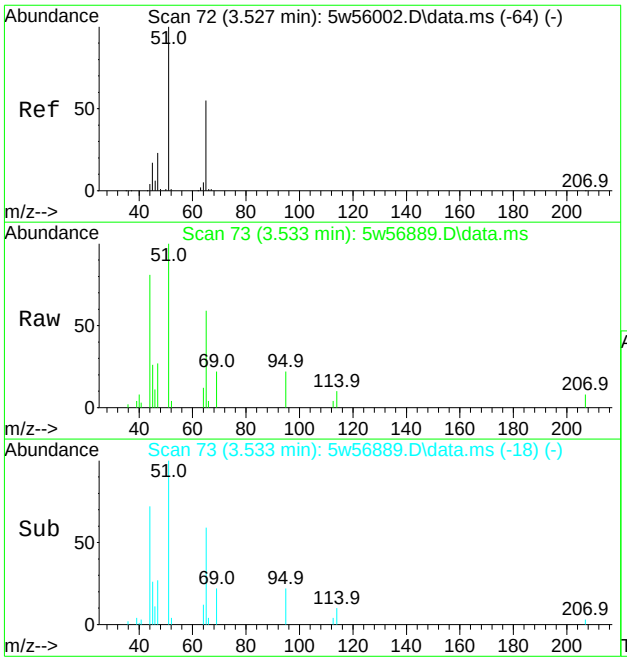
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\2. February\14 Feb 2025\V5W2179 hw\
Data File : 5w56889.D
Acq On : 14 Feb 2025 12:07 pm
Operator : thomash
Sample : je5543-5 Inst : GCMS5W
Misc : MS89637,V5W2179,100,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 15 03:15:13 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

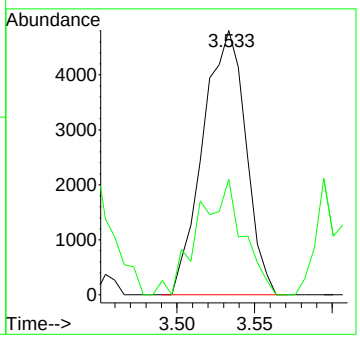


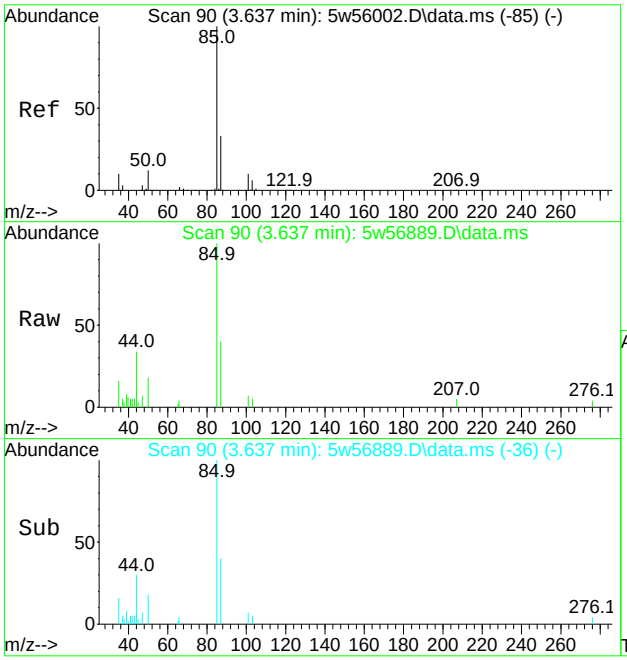


#3
FREON 152A
Concen: 0.3264 PPBV
RT: 3.533 min Scan# 73
Delta R.T. 0.006 min
Lab File: 5w56889.D
Acq: 14 Feb 2025 12:07 pm

Tgt Ion: 65 Resp: 9250

Ion	Ratio	Lower	Upper
65	100		
45	45.4	1.3	61.3

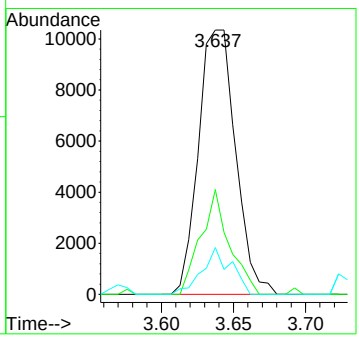


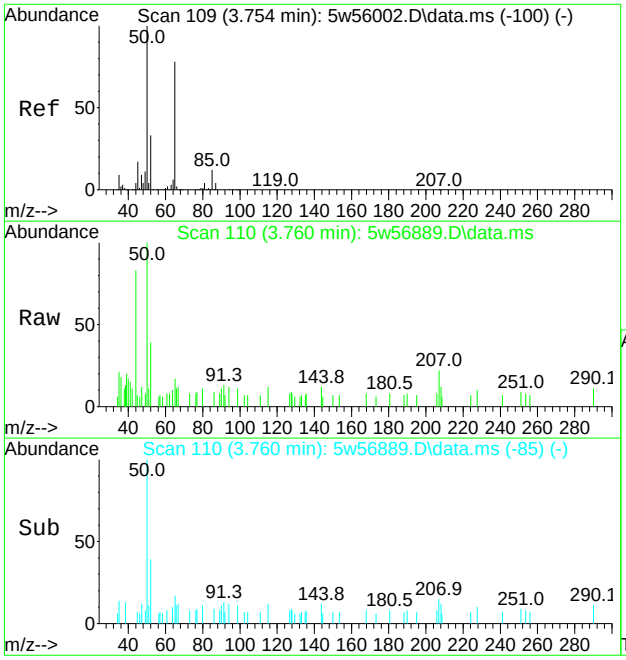


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1462 PPBV
RT: 3.637 min Scan# 90
Delta R.T. -0.000 min
Lab File: 5w56889.D
Acq: 14 Feb 2025 12:07 pm

Tgt Ion: 85 Resp: 18629

Ion	Ratio	Lower	Upper
85	100		
87	30.4	2.7	62.7
50	13.7	0.0	42.5

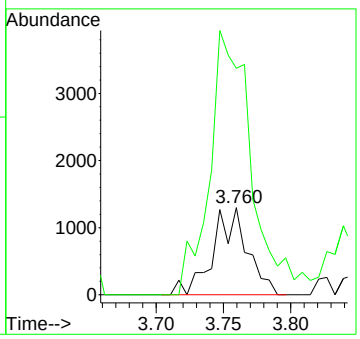


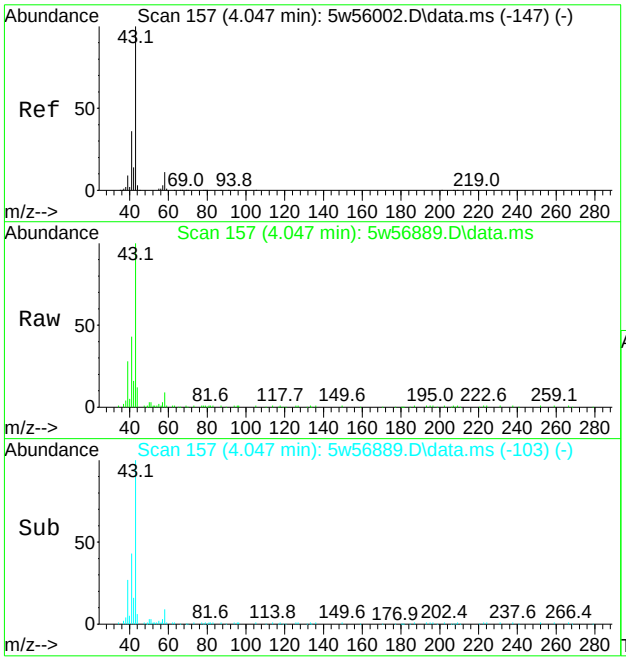


#10
CHLOROMETHANE
Concen: 0.1324 PPBV
RT: 3.760 min Scan# 110
Delta R.T. 0.006 min
Lab File: 5w56889.D
Acq: 14 Feb 2025 12:07 pm

Tgt Ion: 52 Resp: 2310

Ion	Ratio	Lower	Upper
52	100		
50	238.3	277.5	337.5#

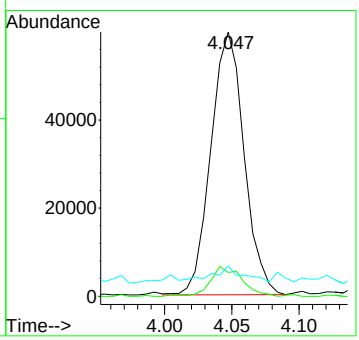


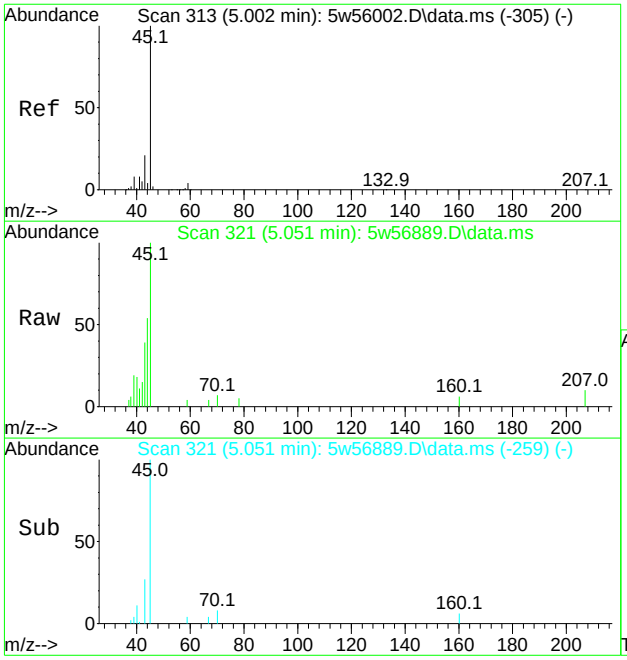


#13
n-BUTANE
Concen: 1.2384 PPBV
RT: 4.047 min Scan# 157
Delta R.T. -0.000 min
Lab File: 5w56889.D
Acq: 14 Feb 2025 12:07 pm

Tgt Ion: 43 Resp: 102421

Ion	Ratio	Lower	Upper
43	100		
58	10.9	0.0	40.6
44	5.3	0.0	36.0

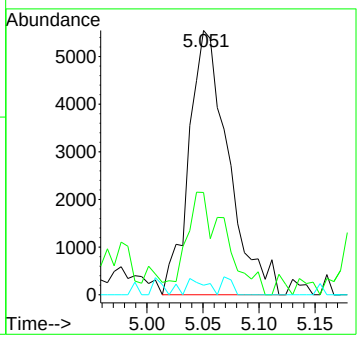


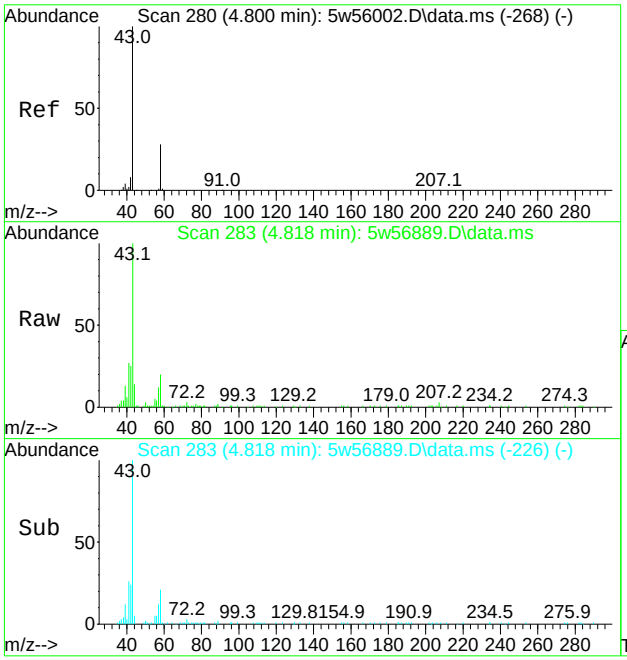


#22
ISOPROPYL ALCOHOL
Concen: 0.1820 PPBV
RT: 5.051 min Scan# 321
Delta R.T. 0.049 min
Lab File: 5w56889.D
Acq: 14 Feb 2025 12:07 pm

Tgt Ion: 45 Resp: 13488

Ion	Ratio	Lower	Upper
45	100		
43	38.7	0.0	51.3
59	3.6	0.0	33.7

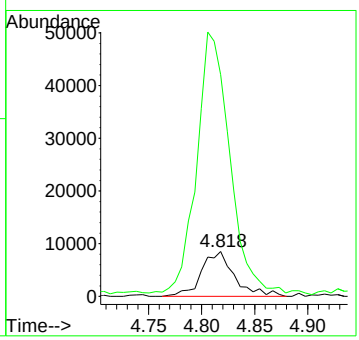


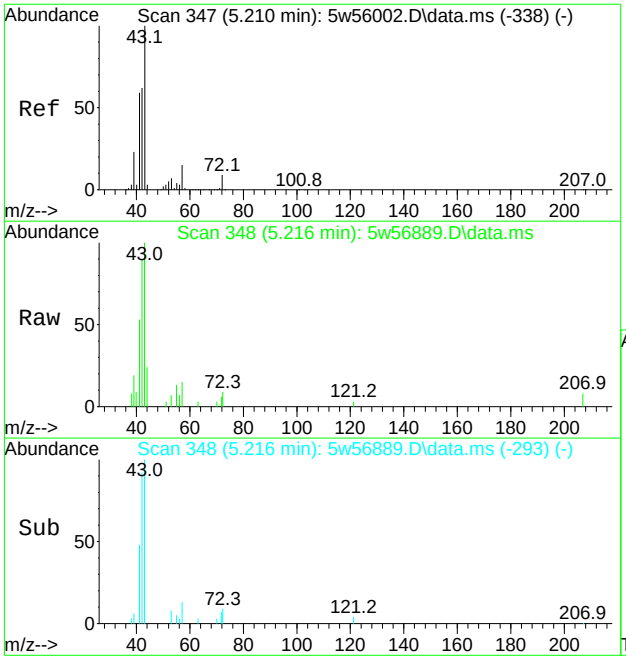


#23
ACETONE
Concen: 0.7721 PPBV
RT: 4.818 min Scan# 283
Delta R.T. 0.018 min
Lab File: 5w56889.D
Acq: 14 Feb 2025 12:07 pm

Tgt Ion: 58 Resp: 18396

Ion	Ratio	Lower	Upper
58	100		
43	595.6	334.9	394.9#

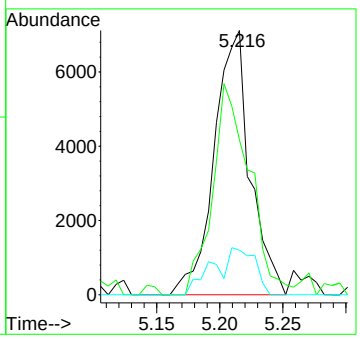


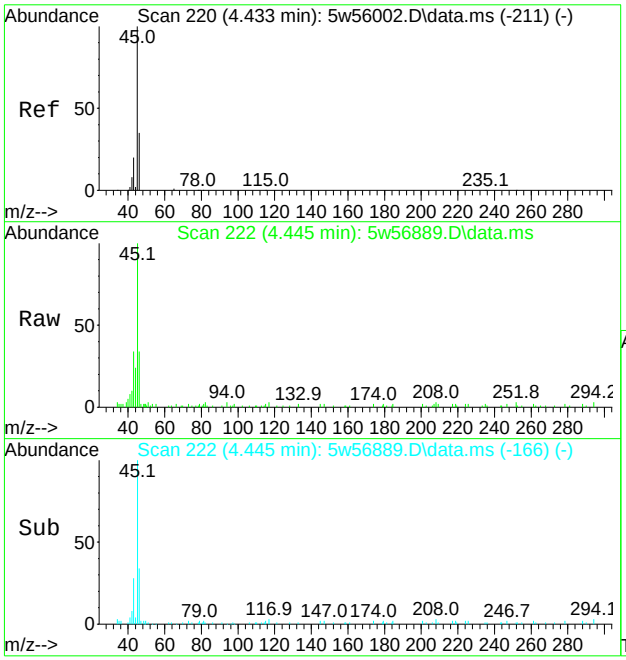


#24
PENTANE
Concen: 0.3759 PPBV
RT: 5.216 min Scan# 348
Delta R.T. 0.006 min
Lab File: 5w56889.D
Acq: 14 Feb 2025 12:07 pm

Tgt Ion: 42 Resp: 14086

Ion	Ratio	Lower	Upper
42	100		
41	82.5	63.7	123.7
57	20.5	0.0	53.4

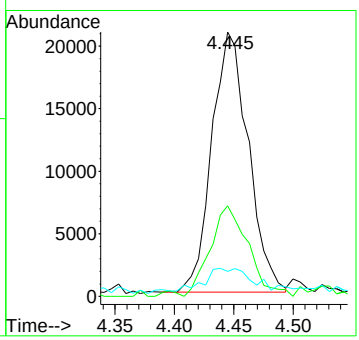


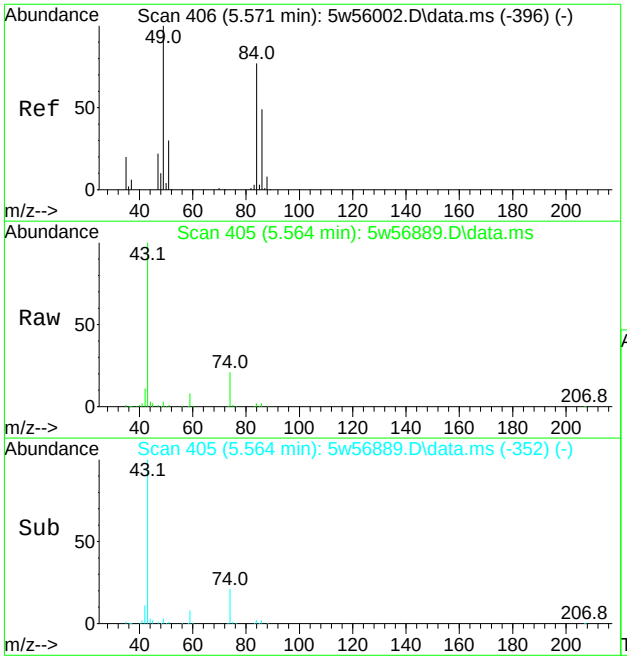


#28
ETHANOL
Concen: 1.5409 PPBV
RT: 4.445 min Scan# 222
Delta R.T. 0.012 min
Lab File: 5w56889.D
Acq: 14 Feb 2025 12:07 pm

Tgt Ion: 45 Resp: 44335

Ion	Ratio	Lower	Upper
45	100		
46	36.2	4.8	64.8
42	12.8	0.0	38.6

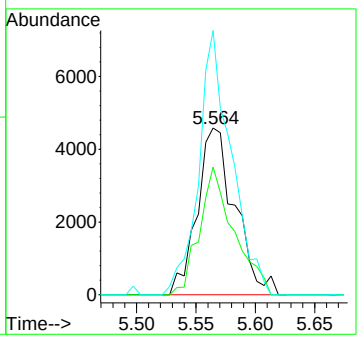


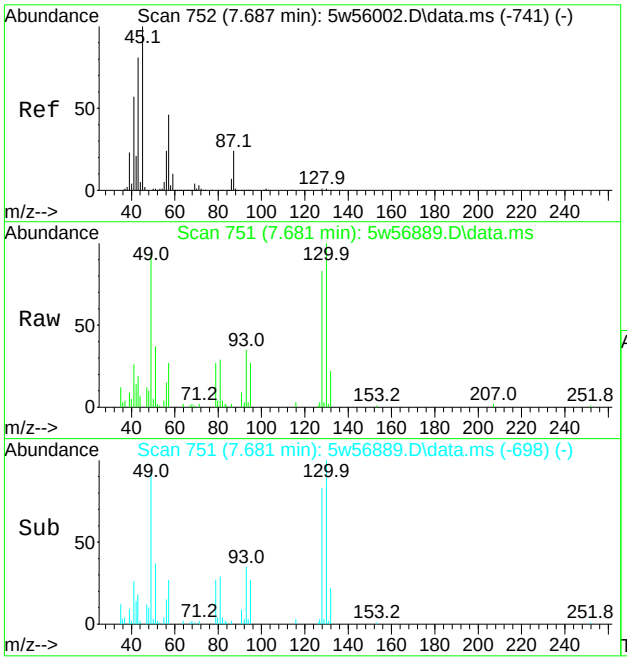


#31
METHYLENE CHLORIDE
Concen: 0.2790 PPBV
RT: 5.564 min Scan# 405
Delta R.T. -0.006 min
Lab File: 5w56889.D
Acq: 14 Feb 2025 12:07 pm

Tgt Ion: 84 Resp: 10114

Ion	Ratio	Lower	Upper
84	100		
86	70.1	34.4	94.4
49	136.9	100.0	160.0

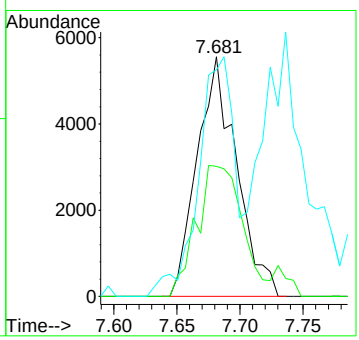


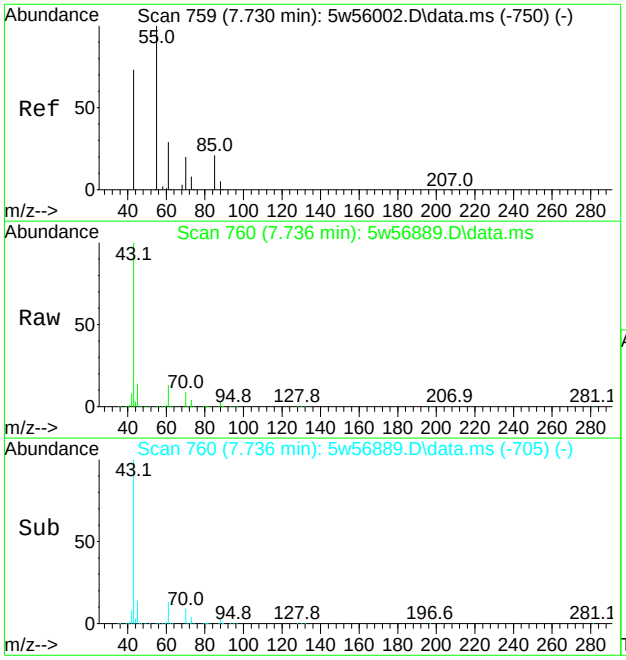


#38
HEXANE
Concen: 0.2311 PPBV
RT: 7.681 min Scan# 751
Delta R.T. -0.006 min
Lab File: 5w56889.D
Acq: 14 Feb 2025 12:07 pm

Tgt Ion: 57 Resp: 12053

Ion	Ratio	Lower	Upper
57	100		
56	63.8	25.0	85.0
41	95.6	100.0	160.0#

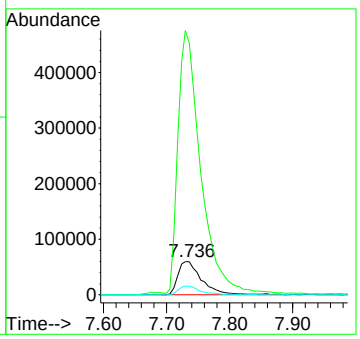


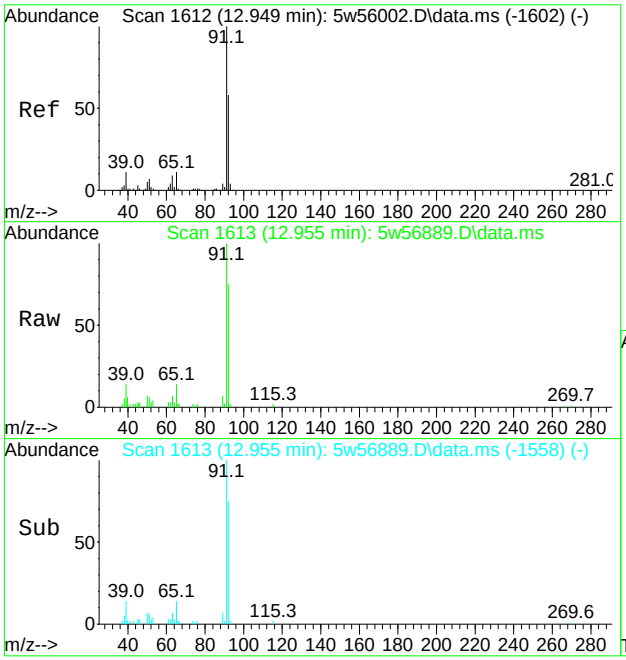


#44
ETHYL ACETATE
Concen: 14.1576 PPBV
RT: 7.736 min Scan# 760
Delta R.T. 0.006 min
Lab File: 5w56889.D
Acq: 14 Feb 2025 12:07 pm

Tgt Ion: 61 Resp: 157669

Ion	Ratio	Lower	Upper
61	100		
43	768.0	0.0	30.0#
88	24.3	8.3	68.3

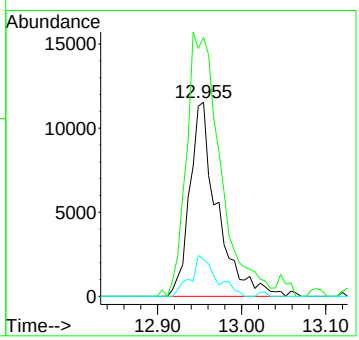




#66
TOLUENE
Concen: 0.3138 PPBV
RT: 12.955 min Scan# 1613
Delta R.T. 0.006 min
Lab File: 5w56889.D
Acq: 14 Feb 2025 12:07 pm

Tgt Ion: 92 Resp: 26265

Ion	Ratio	Lower	Upper
92	100		
91	168.1	142.9	202.9
65	19.7	0.0	51.6



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-14-25\V5W2179 hw\
Data File : 5w56869.D
Acq On : 13 Feb 2025 8:51 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 15:32:36 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

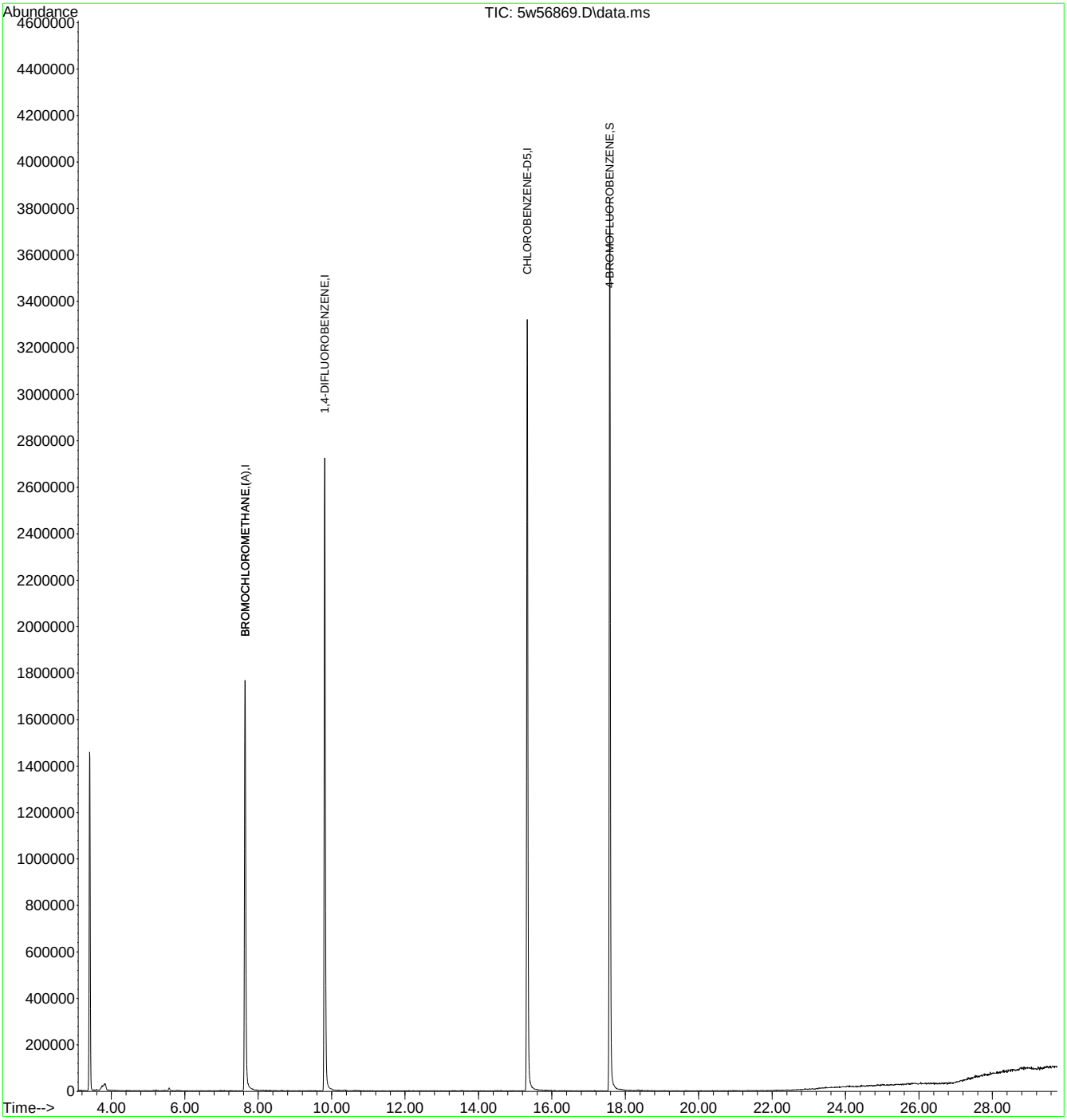
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.645	128	602764	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.810	114	2794617	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.328	82	1254004	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.645	128	602764	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.574	95	1630058	11.03	PPBV	-0.01
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.30%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-14-25\V5W2179 hw\
Data File : 5w56869.D
Acq On : 13 Feb 2025 8:51 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 15:32:36 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56677.D
Acq On : 6 Feb 2025 5:54 pm
Operator : thomash
Sample : mb
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 18:32:56 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

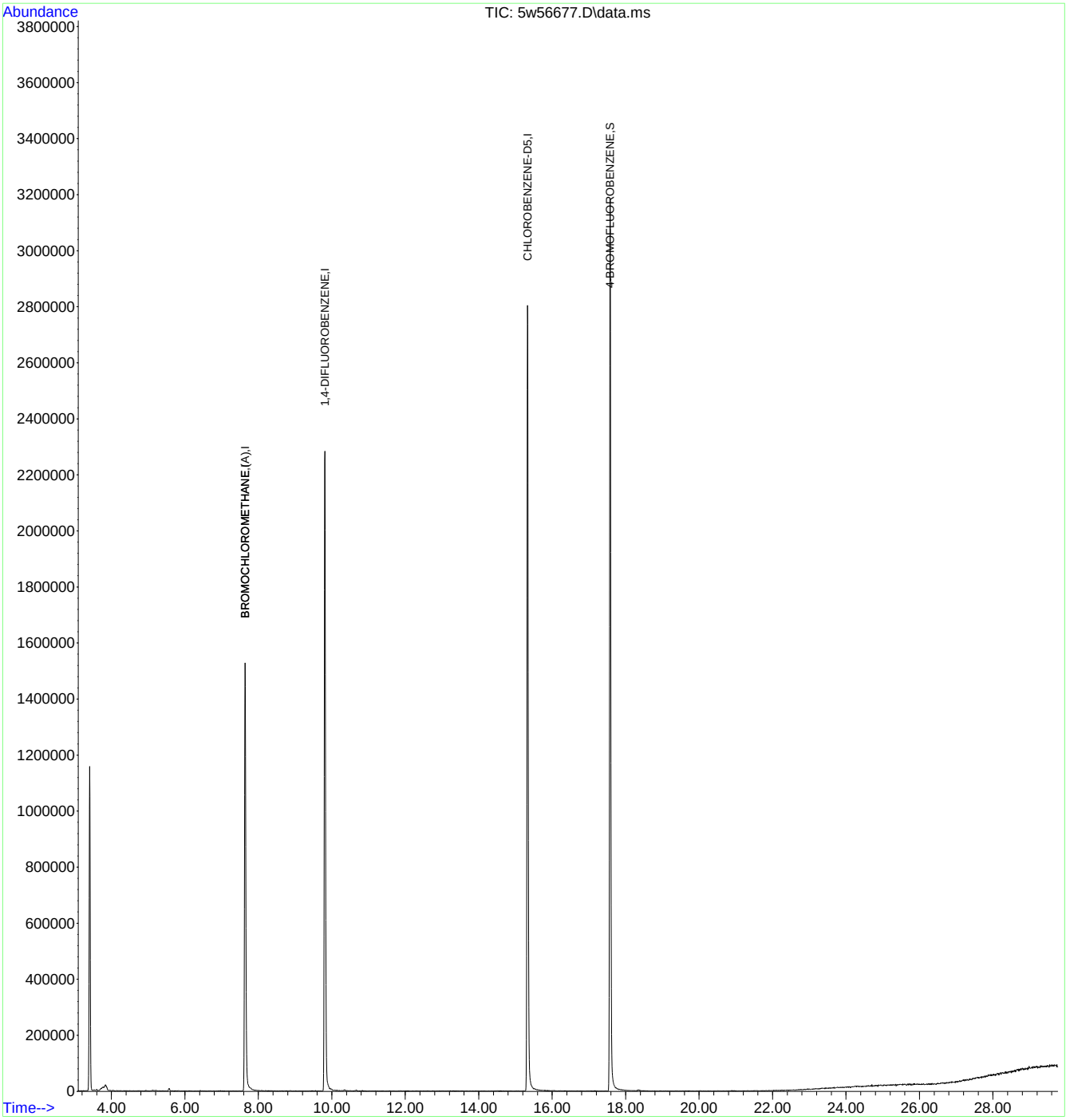
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.638	128	540440	10.00	PPBV	-0.01
51) 1,4-DIFLUOROBENZENE	9.810	114	2432342	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.328	82	1061991	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.638	128	540440	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.573	95	1430538	11.44	PPBV	-0.01
Spiked Amount 10.000	Range 65 - 128		Recovery = 114.40%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56677.D
Acq On : 6 Feb 2025 5:54 pm
Operator : thomash
Sample : mb
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 18:32:56 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/14/25 19:53

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56865.D
Acq On : 13 Feb 2025 5:51 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:40:13 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.645	128	501770	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	2215678	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.328	82	1194817	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.645	128	501770	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.580	95	1508214	10.72	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.20%			
Target Compounds						Qvalue
3) FREON 152A	3.521	65	354993	9.9869	PPBV	96
4) CHLORODIFLUOROMETHANE	3.558	67	201876	12.4980	PPBV	96
5) CHLOROTRIFLUOROETHENE	3.582	116	973024	11.8226	PPBV	97
6) DICHLORODIFLUOROMETHANE	3.631	85	2008666	12.5726	PPBV	99
7) PROPYLENE	3.576	41	449753	11.1900	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	1838491	11.3190	PPBV	98
9) FREON 114	3.821	85	2237078	10.7543	PPBV	96
10) CHLOROMETHANE	3.748	52	173476	7.9276	PPBV #	74
11) VINYL CHLORIDE	3.907	62	633646	8.5608	PPBV	99
12) 1,3-BUTADIENE	4.005	54	424057m	8.5586	PPBV	
13) n-BUTANE	4.041	43	865601	8.3449	PPBV	98
14) BROMOMETHANE	4.206	94	766087	9.6262	PPBV	99
15) CHLOROETHANE	4.329	64	272713	8.1539	PPBV	93
16) DICHLOROFLUOROMETHANE	4.396	67	1708815	10.5436	PPBV #	98
17) ACETONITRILE	4.592	41	453809	7.5315	PPBV	97
18) ACROLEIN	4.690	56	209851	7.8787	PPBV	94
19) FREON 123	4.708	83	1700605	9.7131	PPBV	96
20) FREON 123A	4.751	117	1083499	10.9731	PPBV	98
21) TRICHLOROFLUOROMETHANE	4.916	101	2689589	15.2914	PPBV	99
22) ISOPROPYL ALCOHOL	4.996	45	985713	10.6051	PPBV	99
23) ACETONE	4.794	58	227119m	7.6002	PPBV	
24) PENTANE	5.204	42	467238	9.9425	PPBV	100
25) IODOMETHANE	5.387	142	1649962	11.9012	PPBV	90
26) 1,1-DICHLOROETHYLENE	5.454	96	509653	11.0312	PPBV	95
27) CARBON DISULFIDE	5.822	76	1424878	11.0176	PPBV	96
28) ETHANOL	4.427	45	343659	9.5229	PPBV	98
29) BROMOETHENE	4.592	106	736597	9.7732	PPBV	91
30) ACRYLONITRILE	5.173	52	284089	10.1323	PPBV	98
31) METHYLENE CHLORIDE	5.565	84	442418	9.7321	PPBV	97
32) 3-CHLOROPROPENE	5.669	76	229269	11.5223	PPBV	95
33) FREON 113	5.791	151	849006	9.8912	PPBV	86
34) TRANS-1,2-DICHLOROETHY...	6.421	96	523125	10.7943	PPBV	95
35) TERTIARY BUTYL ALCOHOL	5.516	59	818794	10.4617	PPBV	100
36) METHYL TERTIARY BUTYL ...	6.684	73	1317098	11.4413	PPBV	99
37) TETRAHYDROFURAN	8.214	72	214946	11.7561	PPBV	99
38) HEXANE	7.675	57	698358	10.6782	PPBV	99
39) VINYL ACETATE	6.782	86	86969	11.7616	PPBV #	87
40) 1,1-DICHLOROETHANE	6.623	63	875353	10.5880	PPBV	99
41) METHYL ETHYL KETONE	7.027	72	222341	12.0145	PPBV	97
42) cis-1,2-DICHLOROETHYLENE	7.473	96	555900	10.5535	PPBV	96
43) DIISOPROPYL ETHER	7.687	59	203028	10.3825	PPBV #	89
44) ETHYL ACETATE	7.718	61	149014	10.6682	PPBV #	91
45) METHYL ACRYLATE	7.706	55	873213	11.2089	PPBV	98
46) CHLOROFORM	7.785	83	1235136	11.1867	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.636	57	782979	11.1145	PPBV	98
48) 1,1,1-TRICHLOROETHANE	8.850	97	1334491	11.6717	PPBV	98
49) CARBON TETRACHLORIDE	9.541	117	1573641	12.4756	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56865.D
Acq On : 13 Feb 2025 5:51 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:40:13 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.581	62	788459	11.7116	PPBV		99
52)	BENZENE	9.376	78	1512044	10.5688	PPBV		99
53)	CYCLOHEXANE	9.676	84	611250	10.9452	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.982	71	300349	10.4749	PPBV		97
55)	TRICHLOROETHYLENE	10.630	95	803951	10.5318	PPBV		97
56)	1,2-DICHLOROPROPANE	10.336	63	560496	9.7446	PPBV		95
57)	DIBROMOMETHANE	10.312	174	645228	7.8502	PPBV	#	76
58)	ETHYL ACRYLATE	10.391	55	1037224	10.9988	PPBV		99
59)	BROMODICHLOROMETHANE	10.581	83	1468825	10.8808	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.661	57	2218404	10.7845	PPBV		98
61)	1,4-DIOXANE	10.648	88	377852	11.1727	PPBV		95
62)	HEPTANE	11.009	43	839678	11.1861	PPBV		99
63)	METHYL METHACRYLATE	10.918	69	529930	11.7103	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.768	58	434892	11.1024	PPBV		96
65)	cis-1,3-DICHLOROPROPENE	11.707	75	1009194	11.3882	PPBV		99
66)	TOLUENE	12.943	92	1159601	11.2117	PPBV		98
67)	1,3-DICHLOROPROPANE	12.991	76	971653	11.2567	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.392	75	932458	10.8849	PPBV		98
69)	1,1,2-TRICHLOROETHANE	12.594	83	654799	10.7927	PPBV		99
71)	2-HEXANONE	13.340	58	620531	11.5953	PPBV		95
72)	ETHYL METHACRYLATE	13.371	69	926081	11.4187	PPBV		99
73)	TETRACHLOROETHYLENE	14.448	164	813687	9.6588	PPBV		88
74)	DIBROMOCHLOROMETHANE	13.493	129	1830894	12.4008	PPBV		100
75)	1,2-DIBROMOETHANE	13.805	107	1365114	12.4222	PPBV		99
76)	OCTANE	14.313	43	1213306	11.5853	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.371	131	1125873	11.3256	PPBV		96
78)	CHLOROBENZENE	15.390	112	1777390	10.8113	PPBV		97
79)	ETHYLBENZENE	15.946	91	2643839	12.1492	PPBV		98
80)	m,p-XYLENE	16.222	106	2163891	24.8177	PPBV		93
81)	o-XYLENE	16.888	106	1112711	13.1218	PPBV		93
82)	STYRENE	16.736	104	1631542	13.1979	PPBV		100
83)	NONANE	17.298	43	1350413	12.5317	PPBV		99
84)	BROMOFORM	16.277	173	1512576	10.4794	PPBV		97
86)	1,1,2,2-TETRACHLOROETHANE	16.888	83	1914291	11.8254	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.084	75	1245376	11.2224	PPBV		96
88)	ISOPROPYLBENZENE	17.800	105	3115381	12.0006	PPBV		98
89)	BROMOBENZENE	17.892	77	1443435	10.8385	PPBV		94
90)	2-CHLOROTOLUENE	18.534	126	883671	12.3226	PPBV		99
91)	n-PROPYLBENZENE	18.620	120	916976	13.2618	PPBV		98
92)	4-ETHYLTOLUENE	18.864	105	3179215	12.9278	PPBV		97
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	2662492	13.1648	PPBV		96
94)	ALPHA-METHYLSTYRENE	19.244	118	1424598	13.1492	PPBV		99
95)	tert-BUTYLBENZENE	19.599	134	627555	12.6504	PPBV		90
96)	1,2,4-TRIMETHYLBENZENE	19.611	105	2945227	13.3727	PPBV		97
97)	m-DICHLOROBENZENE	19.807	146	2102923	11.4912	PPBV		99
98)	BENZYL CHLORIDE	19.800	91	2746118	12.7456	PPBV		98
99)	p-DICHLOROBENZENE	19.911	146	2076494	12.0671	PPBV		98
100)	sec-BUTYLBENZENE	20.002	134	780289	13.1576	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.223	105	2904621	13.4037	PPBV	#	96
102)	p-ISOPROPYLTOLUENE	20.253	134	924710	13.1442	PPBV		97
103)	o-DICHLOROBENZENE	20.394	146	1980729	11.8550	PPBV		99
104)	n-BUTYLBENZENE	20.840	134	891135	13.3799	PPBV		100
105)	HEXACHLOROETHANE	21.305	117	1782976	14.9502	PPBV	#	85
106)	HEXACHLOROBUTADIENE	23.355	225	1326996	8.2474	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1476849	9.5201	PPBV		96
108)	NAPHTHALENE	22.872	128	4543715	13.5991	PPBV		99
110)	TVHC as equiv Pentane	5.204	TIC	3133229	10.6634	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56865.D
Acq On : 13 Feb 2025 5:51 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:40:13 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

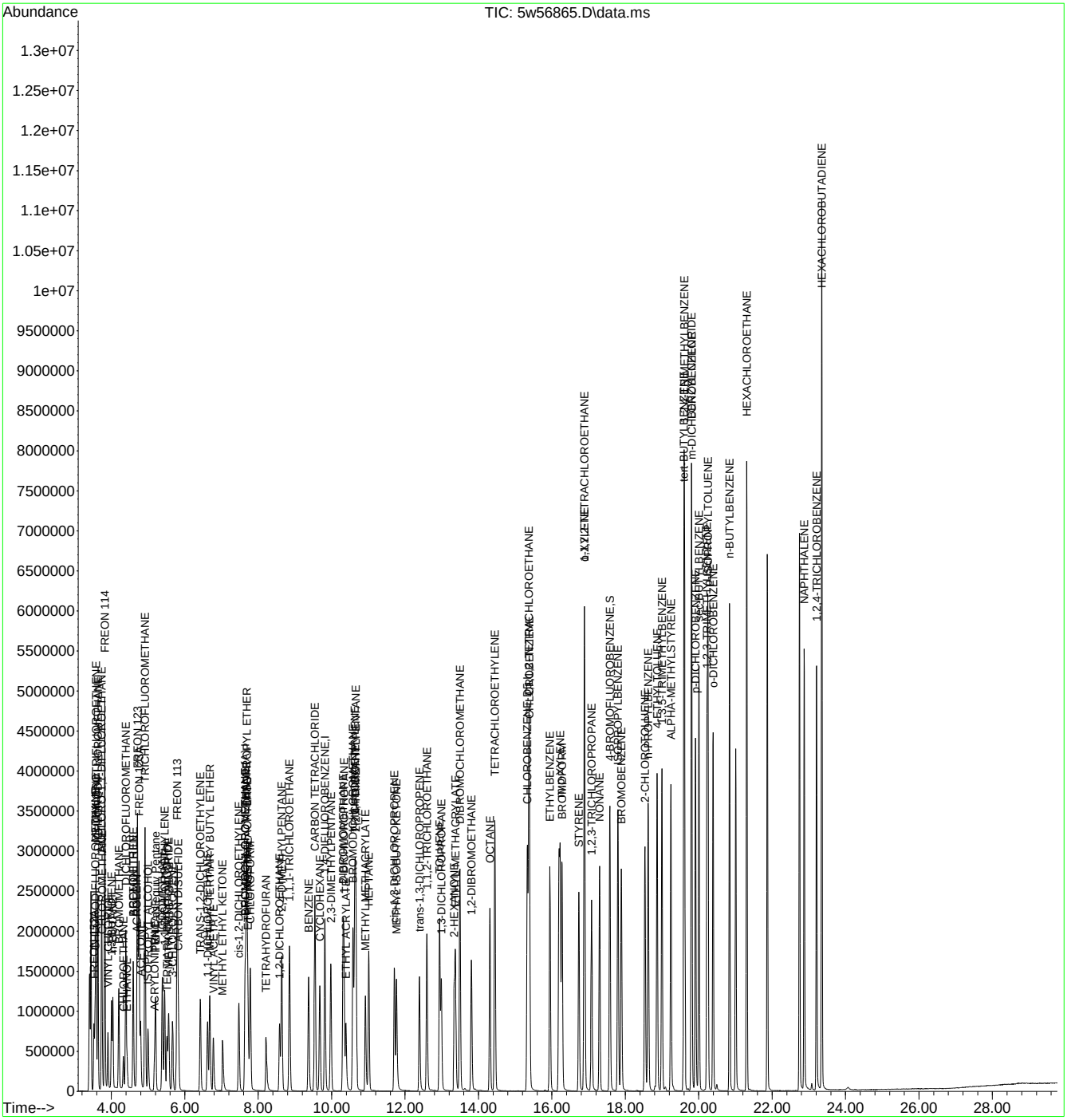
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56865.D
Acq On : 13 Feb 2025 5:51 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:40:13 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Manual Integration Approval Summary

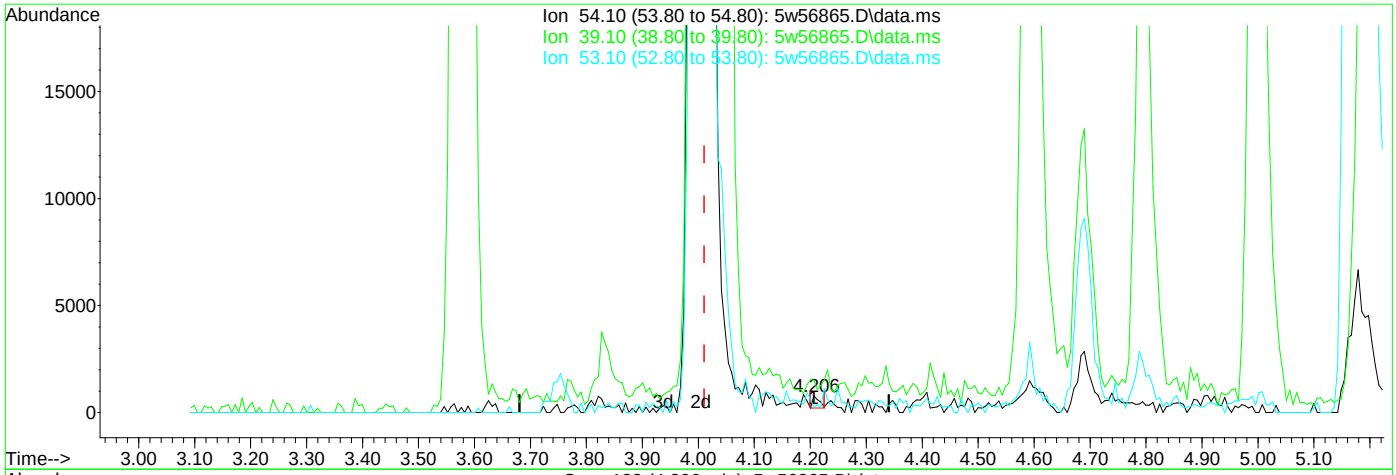
Sample Number:	V5W2179-BS	**Method:**	TO-15
Lab FileID:	5W56865.D	**Analyst approved:**	02/14/25 06:48 Kristel Valladolid
Injection Time:	02/13/25 17:51	**Supervisor approved:**	02/14/25 19:53 Kanya Veerawat

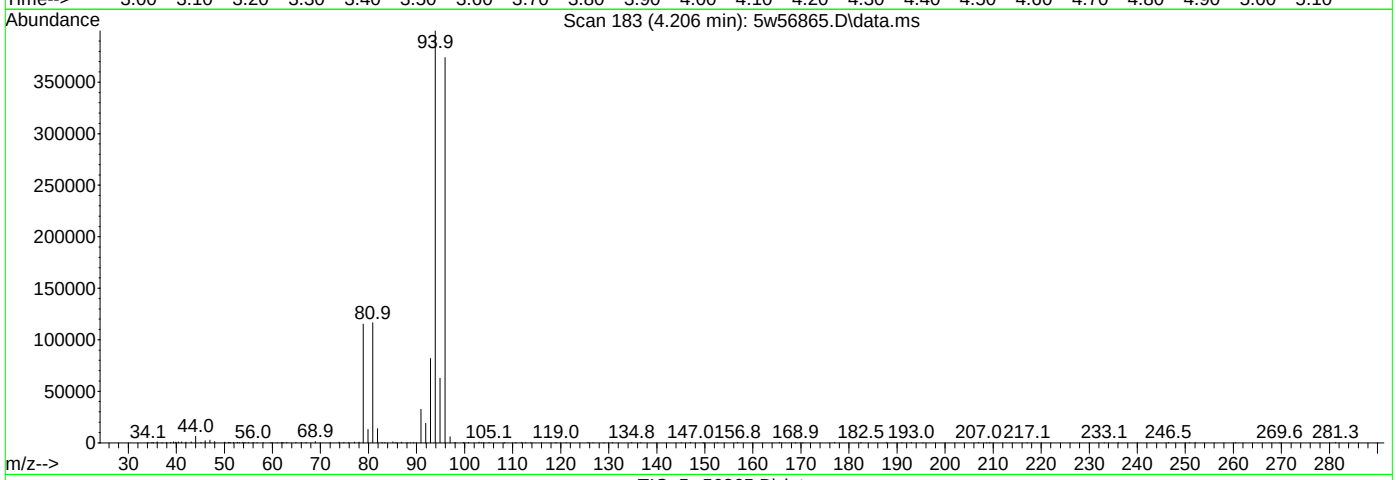
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,3-Butadiene	106-99-0		4.00	Missed peak
Acetone (2-Propanone)	67-64-1		4.79	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56865.D
Acq On : 13 Feb 2025 5:51 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:35:55 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration





TIC: 5w56865.D\data.ms

(12) 1,3-BUTADIENE

4.206min (+0.196) 0.01PPBV

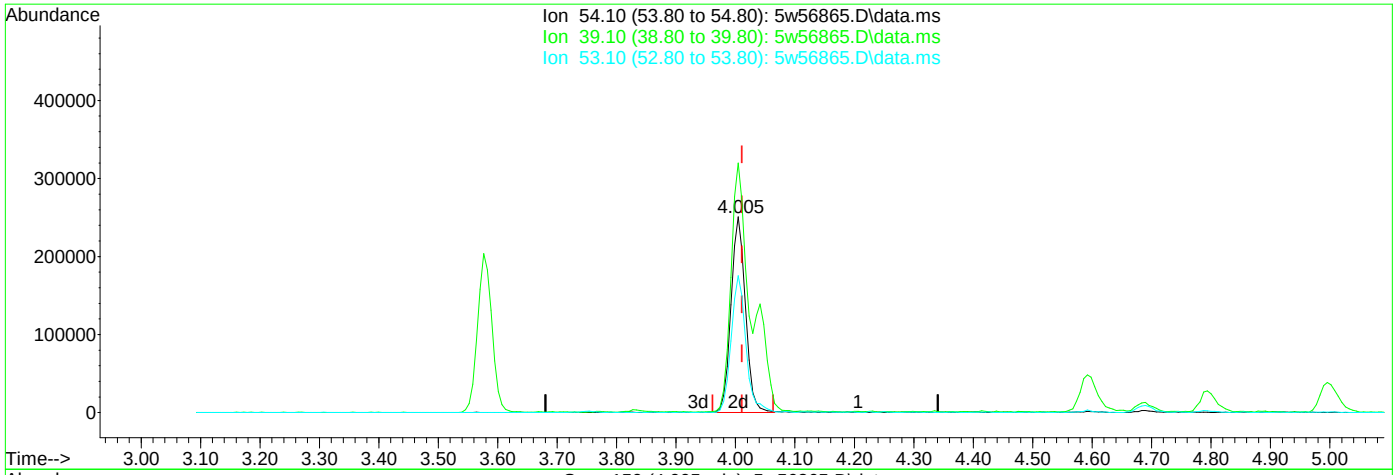
response 466

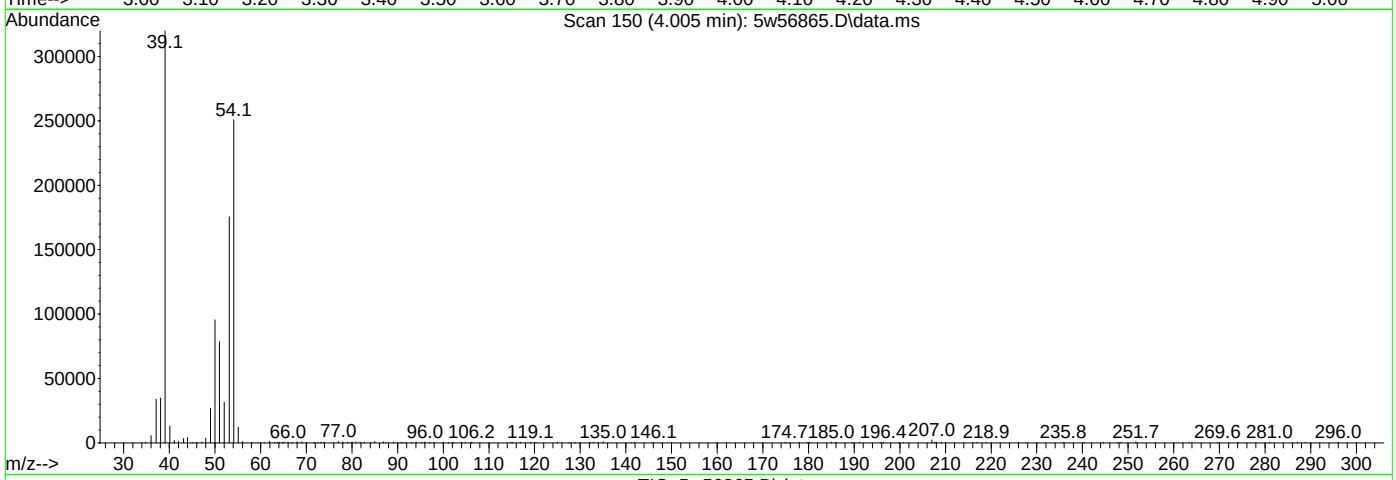
Ion	Exp%	Act%
54.10	100	100
39.10	145.60	145.06
53.10	70.90	99.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56865.D
Acq On : 13 Feb 2025 5:51 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:35:55 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration





TIC: 5w56865.D\data.ms

(12) 1,3-BUTADIENE

4.005min (-0.006) 8.56PPBV m

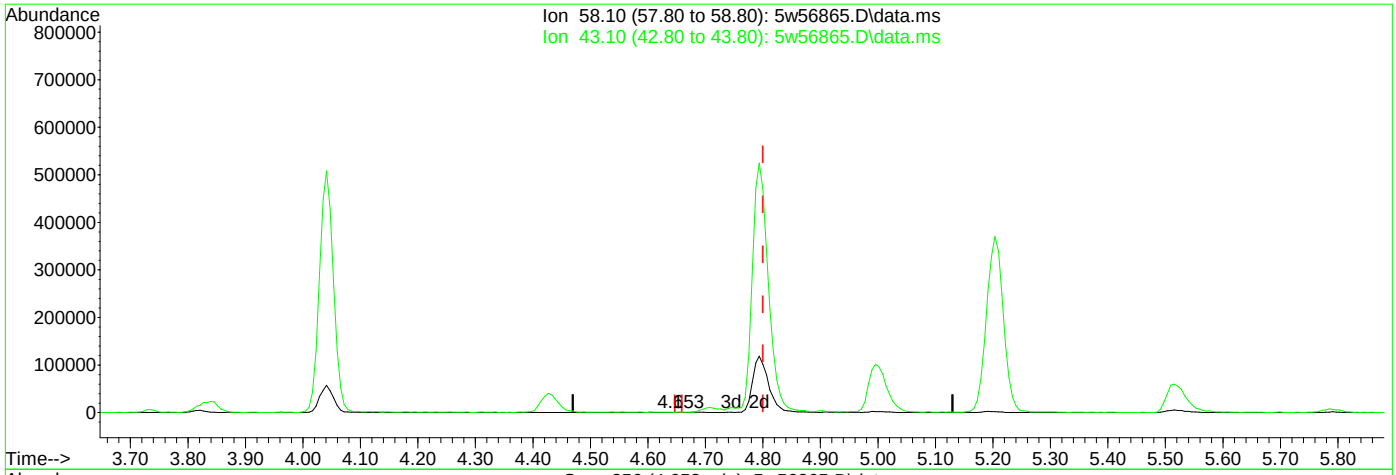
response 424057

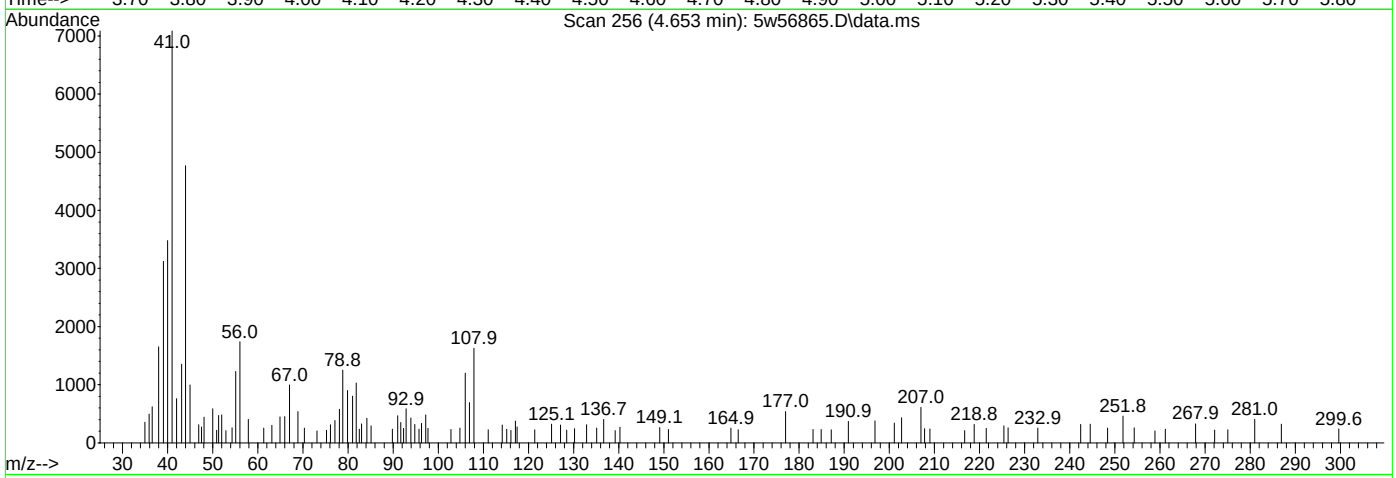
Ion	Exp%	Act%
54.10	100	100
39.10	145.60	0.16#
53.10	70.90	0.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56865.D
Acq On : 13 Feb 2025 5:51 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:35:55 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration





TIC: 5w56865.D\data.ms

(23) ACETONE

4.653min (-0.147) 0.00PPBV

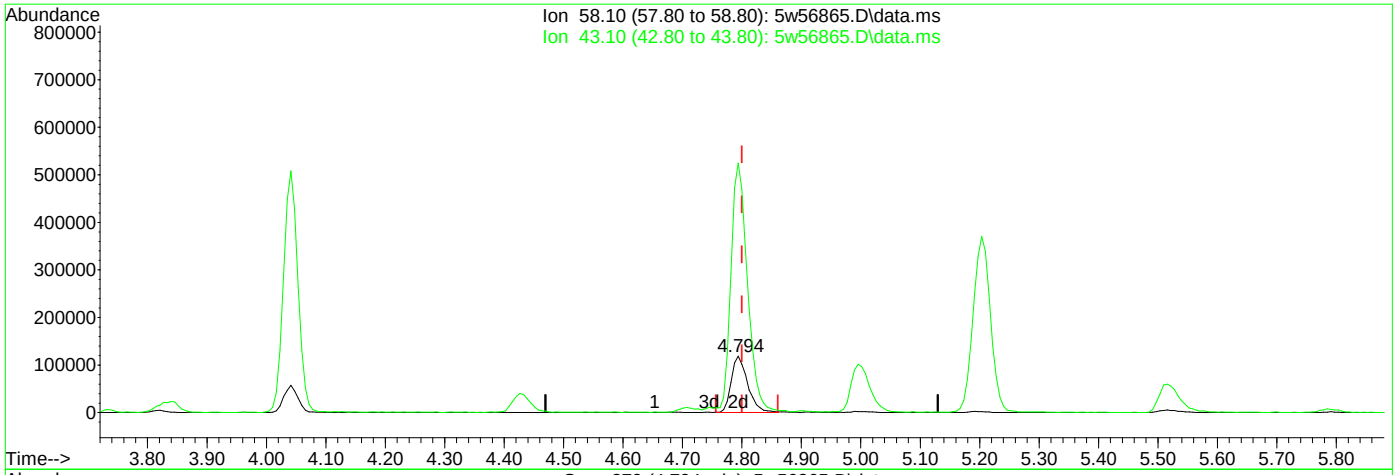
response 149

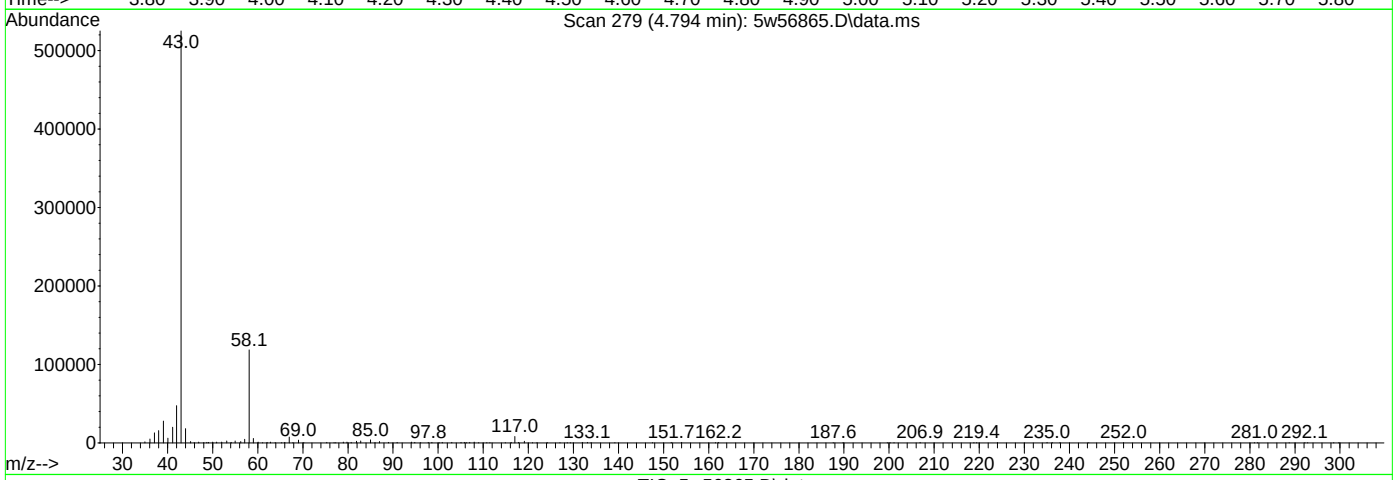
Ion	Exp%	Act%
58.10	100	100
43.10	364.90	383.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56865.D
Acq On : 13 Feb 2025 5:51 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:35:55 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration





TIC: 5w56865.D\data.ms

(23) ACETONE

4.794min (-0.006) 7.60PPBV m

response 227119

Ion	Exp%	Act%
58.10	100	100
43.10	364.90	0.25#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56866.D
Acq On : 13 Feb 2025 6:32 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:41:14 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.644	128	530480	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	2372247	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.328	82	1231677	10.00	PPBV		-0.01
109) BROMOCHLOROMETHANE (A)	7.644	128	530480	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.580	95	1594024	10.99	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.90%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	382209	10.1707	PPBV		98
4) CHLORODIFLUOROMETHANE	3.558	67	206625	12.0997	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.588	116	1005915	11.5608	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.637	85	2037865	12.0650	PPBV		99
7) PROPYLENE	3.582	41	460312	10.8329	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	1865831	10.8657	PPBV		98
9) FREON 114	3.821	85	2266657	10.3068	PPBV		95
10) CHLOROMETHANE	3.754	52	179593	7.7629	PPBV	#	74
11) VINYL CHLORIDE	3.913	62	650530	8.3132	PPBV		100
12) 1,3-BUTADIENE	4.004	54	443886	8.4740	PPBV		84
13) n-BUTANE	4.047	43	881897	8.0419	PPBV		98
14) BROMOMETHANE	4.206	94	782448	9.2997	PPBV		99
15) CHLOROETHANE	4.335	64	277317	7.8428	PPBV		93
16) DICHLOROFLUOROMETHANE	4.396	67	1717758	10.0251	PPBV	#	97
17) ACETONITRILE	4.592	41	477544	7.4965	PPBV		97
18) ACROLEIN	4.690	56	222331	7.8955	PPBV		97
19) FREON 123	4.708	83	1720724	9.2961	PPBV		95
20) FREON 123A	4.751	117	1114162	10.6729	PPBV		99
21) TRICHLOROFLUOROMETHANE	4.916	101	2751156	14.7950	PPBV		100
22) ISOPROPYL ALCOHOL	5.002	45	966033	9.8309	PPBV		99
23) ACETONE	4.800	58	238355	7.5445	PPBV	#	60
24) PENTANE	5.203	42	493905	9.9412	PPBV		99
25) IODOMETHANE	5.393	142	1778899	12.1368	PPBV		89
26) 1,1-DICHLOROETHYLENE	5.454	96	540855	11.0730	PPBV		94
27) CARBON DISULFIDE	5.827	76	1505658	11.0122	PPBV		96
28) ETHANOL	4.426	45	356831	9.3528	PPBV		97
29) BROMOETHENE	4.598	106	759697	9.5342	PPBV		89
30) ACRYLONITRILE	5.179	52	298262	10.0621	PPBV		99
31) METHYLENE CHLORIDE	5.564	84	479033	9.9672	PPBV		99
32) 3-CHLOROPROPENE	5.668	76	240106	11.4138	PPBV		97
33) FREON 113	5.791	151	923881	10.1810	PPBV		88
34) TRANS-1,2-DICHLOROETHY...	6.427	96	561491	10.9589	PPBV		94
35) TERTIARY BUTYL ALCOHOL	5.522	59	871630	10.5341	PPBV		99
36) METHYL TERTIARY BUTYL ...	6.684	73	1408976	11.5770	PPBV		97
37) TETRAHYDROFURAN	8.219	72	226455	11.7153	PPBV		98
38) HEXANE	7.681	57	719799	10.4104	PPBV		97
39) VINYL ACETATE	6.782	86	93409	11.9489	PPBV	#	91
40) 1,1-DICHLOROETHANE	6.623	63	930461	10.6455	PPBV		99
41) METHYL ETHYL KETONE	7.033	72	237408	12.1344	PPBV		99
42) cis-1,2-DICHLOROETHYLENE	7.473	96	596044	10.7032	PPBV		95
43) DIISOPROPYL ETHER	7.693	59	211808	10.2453	PPBV	#	88
44) ETHYL ACETATE	7.724	61	161928	10.9653	PPBV	#	78
45) METHYL ACRYLATE	7.706	55	904571	10.9830	PPBV		99
46) CHLOROFORM	7.785	83	1327495	11.3725	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.642	57	838654	11.2606	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.856	97	1455339	12.0398	PPBV		98
49) CARBON TETRACHLORIDE	9.547	117	1692878	12.6945	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56866.D
Acq On : 13 Feb 2025 6:32 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:41:14 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.580	62	830576	11.6695	PPBV		98
52)	BENZENE	9.376	78	1597702	10.4305	PPBV		98
53)	CYCLOHEXANE	9.675	84	646008	10.8041	PPBV		98
54)	2,3-DIMETHYLPENTANE	9.975	71	321742	10.4804	PPBV		99
55)	TRICHLOROETHYLENE	10.630	95	844129	10.3283	PPBV		97
56)	1,2-DICHLOROPROPANE	10.336	63	588562	9.5572	PPBV		96
57)	DIBROMOMETHANE	10.312	174	689349	7.8335	PPBV	#	76
58)	ETHYL ACRYLATE	10.391	55	1117485	11.0678	PPBV		99
59)	BROMODICHLOROMETHANE	10.587	83	1556917	10.7722	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	2307174	10.4758	PPBV		98
61)	1,4-DIOXANE	10.648	88	391886	10.8229	PPBV		98
62)	HEPTANE	11.009	43	868429	10.8056	PPBV		98
63)	METHYL METHACRYLATE	10.917	69	566117	11.6842	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.768	58	455018	10.8496	PPBV		93
65)	cis-1,3-DICHLOROPROPENE	11.713	75	1082660	11.4109	PPBV		99
66)	TOLUENE	12.942	92	1217662	10.9961	PPBV		97
67)	1,3-DICHLOROPROPANE	12.991	76	1018639	11.0222	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.392	75	983500	10.7230	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.594	83	691772	10.6495	PPBV		99
71)	2-HEXANONE	13.340	58	638591	11.5756	PPBV		92
72)	ETHYL METHACRYLATE	13.371	69	967215	11.5690	PPBV		99
73)	TETRACHLOROETHYLENE	14.453	164	828278	9.5378	PPBV		87
74)	DIBROMOCHLOROMETHANE	13.493	129	1884594	12.3825	PPBV		99
75)	1,2-DIBROMOETHANE	13.805	107	1424355	12.5733	PPBV		99
76)	OCTANE	14.313	43	1268278	11.7478	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.371	131	1164355	11.3622	PPBV		97
78)	CHLOROBENZENE	15.389	112	1821753	10.7495	PPBV		98
79)	ETHYLBENZENE	15.946	91	2739456	12.2119	PPBV		98
80)	m,p-XYLENE	16.197	106	2281320	25.3814	PPBV		94
81)	o-XYLENE	16.888	106	1152922	13.1891	PPBV		93
82)	STYRENE	16.735	104	1705918	13.3865	PPBV		98
83)	NONANE	17.298	43	1376461	12.3911	PPBV		100
84)	BROMOFORM	16.276	173	1591280	10.6948	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.888	83	1991168	11.9322	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.084	75	1282426	11.2104	PPBV		95
88)	ISOPROPYLBENZENE	17.800	105	3230028	12.0699	PPBV		98
89)	BROMOBENZENE	17.892	77	1502782	10.9464	PPBV		94
90)	2-CHLOROTOLUENE	18.534	126	901658	12.1972	PPBV		100
91)	n-PROPYLBENZENE	18.626	120	953343	13.3752	PPBV		98
92)	4-ETHYLTOLUENE	18.864	105	3322034	13.1043	PPBV		96
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	2822655	13.5391	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.244	118	1471377	13.1745	PPBV		100
95)	tert-BUTYLBENZENE	19.598	134	662217	12.9496	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	19.611	105	3081350	13.5721	PPBV		97
97)	m-DICHLOROBENZENE	19.806	146	2209549	11.7125	PPBV		99
98)	BENZYL CHLORIDE	19.800	91	2883964	12.9848	PPBV		99
99)	p-DICHLOROBENZENE	19.910	146	2153539	12.1403	PPBV		99
100)	sec-BUTYLBENZENE	20.008	134	807602	13.2106	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.222	105	3051977	13.6622	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.253	134	954192	13.1573	PPBV		93
103)	o-DICHLOROBENZENE	20.394	146	2062883	11.9772	PPBV		99
104)	n-BUTYLBENZENE	20.840	134	925905	13.4859	PPBV		99
105)	HEXACHLOROETHANE	21.305	117	1825863	14.8517	PPBV	#	85
106)	HEXACHLOROBUTADIENE	23.355	225	1466356	8.8408	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	23.208	180	1640214	10.2567	PPBV		96
108)	NAPHTHALENE	22.871	128	4984413	14.4716	PPBV		99
110)	TVHC as equiv Pentane	5.203	TIC	3281996	10.5652	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56866.D
Acq On : 13 Feb 2025 6:32 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:41:14 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

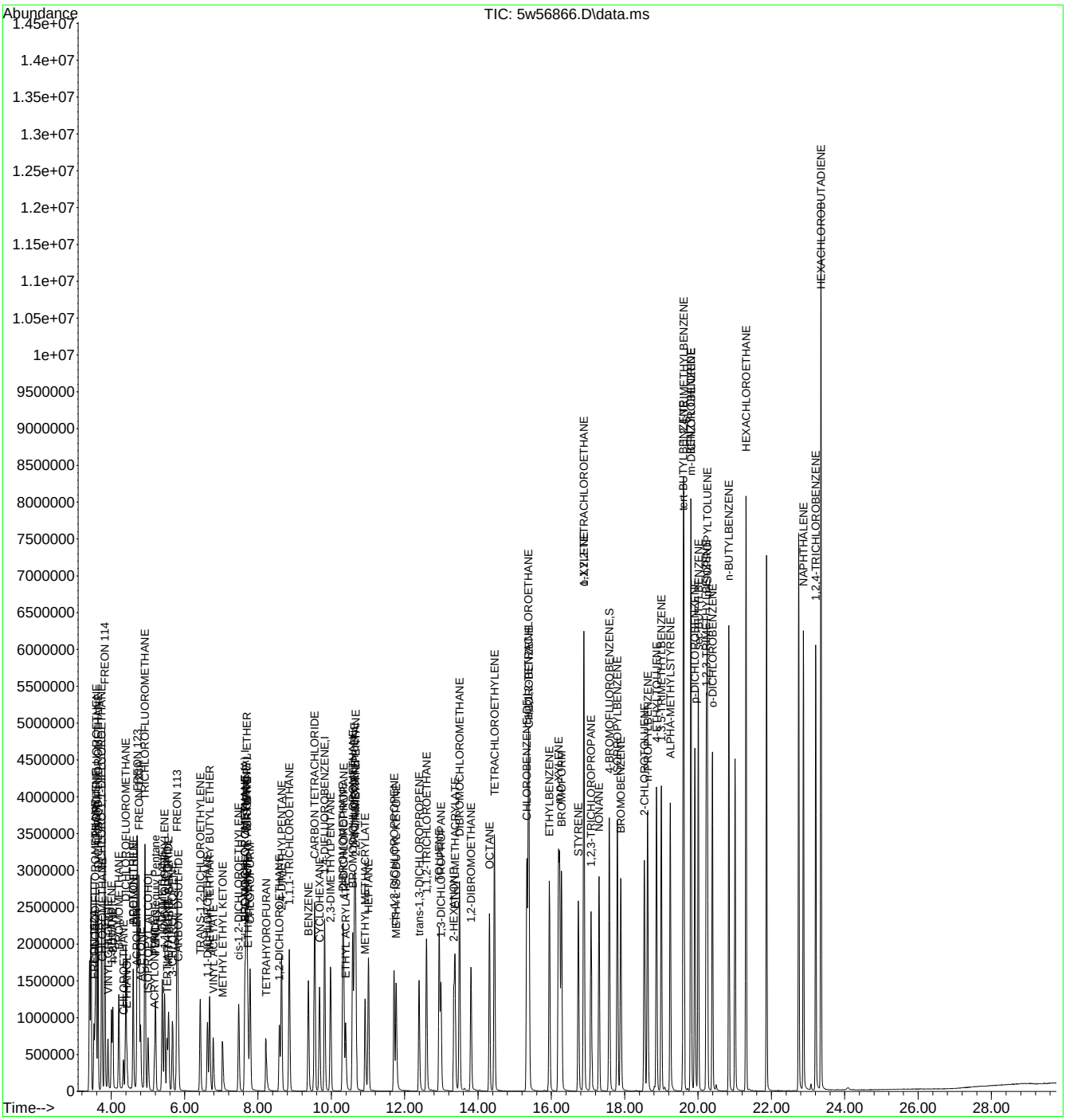
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56866.D
Acq On : 13 Feb 2025 6:32 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:41:14 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56673.D
Acq On : 6 Feb 2025 2:21 pm
Operator : thomash
Sample : bs
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 17:23:32 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.639	128	433040	10.00	PPBV		-0.01
51) 1,4-DIFLUOROBENZENE	9.810	114	1926123	10.00	PPBV		-0.01
70) CHLOROBENZENE-D5	15.328	82	987458	10.00	PPBV		-0.01
109) BROMOCHLOROMETHANE (A)	7.639	128	433040	10.00	PPBV		#-0.01
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.580	95	1266069	10.88	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.80%				
Target Compounds							Qvalue
3) FREON 152A	3.521	65	323033	10.53	PPBV		96
4) CHLORODIFLUOROMETHANE	3.552	67	174095	12.49	PPBV		96
5) CHLOROTRIFLUOROETHENE	3.582	116	890390	12.54	PPBV		96
6) DICHLORODIFLUOROMETHANE	3.631	85	1785546	12.95	PPBV		98
7) PROPYLENE	3.576	41	396425	11.43	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	1679142	11.98	PPBV		98
9) FREON 114	3.815	85	2020296	11.25	PPBV		96
10) CHLOROMETHANE	3.748	52	166258	8.80	PPBV		98
11) VINYL CHLORIDE	3.907	62	581365	9.10	PPBV		99
12) 1,3-BUTADIENE	4.005	54	384864	9.00	PPBV	#	83
13) n-BUTANE	4.041	43	776441	8.67	PPBV		98
14) BROMOMETHANE	4.207	94	706121	10.28	PPBV		98
15) CHLOROETHANE	4.329	64	248610	8.61	PPBV		96
16) DICHLOROFLUOROMETHANE	4.396	67	1465288	10.48	PPBV		98
17) ACETONITRILE	4.592	41	417194	8.02	PPBV		95
18) ACROLEIN	4.684	56	205244	8.93	PPBV		99
19) FREON 123	4.708	83	1550822	10.26	PPBV		98
20) FREON 123A	4.751	117	955615	11.21	PPBV		97
21) TRICHLOROFLUOROMETHANE	4.916	101	2241453	14.77	PPBV		99
22) ISOPROPYL ALCOHOL	4.996	45	996455	12.42	PPBV		94
23) ACETONE	4.794	58	219658	8.52	PPBV	#	70
24) PENTANE	5.198	42	424026	10.46	PPBV		99
25) IODOMETHANE	5.387	142	1514404	12.66	PPBV		92
26) 1,1-DICHLOROETHYLENE	5.448	96	470468	11.80	PPBV		91
27) CARBON DISULFIDE	5.822	76	1286426	11.53	PPBV		99
28) ETHANOL	4.421	45	253805	8.15	PPBV		98
29) BROMOETHENE	4.592	106	661133	10.16	PPBV		93
30) ACRYLONITRILE	5.173	52	253531	10.48	PPBV		99
31) METHYLENE CHLORIDE	5.559	84	415859	10.60	PPBV		97
32) 3-CHLOROPROPENE	5.662	76	207065	12.06	PPBV		94
33) FREON 113	5.791	151	766626	10.35	PPBV		85
34) TRANS-1,2-DICHLOROETHY...	6.421	96	472476	11.30	PPBV		92
35) TERTIARY BUTYL ALCOHOL	5.516	59	733842	10.86	PPBV		99
36) METHYL TERTIARY BUTYL ...	6.678	73	1153447	11.61	PPBV		98
37) TETRAHYDROFURAN	8.214	72	187453	11.88	PPBV		100
38) HEXANE	7.675	57	599197	10.62	PPBV		99
39) VINYL ACETATE	6.782	86	83433	13.07	PPBV	#	94
40) 1,1-DICHLOROETHANE	6.617	63	774812	10.86	PPBV		98
41) METHYL ETHYL KETONE	7.027	72	194942	12.21	PPBV		98
42) cis-1,2-DICHLOROETHYLENE	7.473	96	505038	11.11	PPBV		92
43) DIISOPROPYL ETHER	7.687	59	179347	10.63	PPBV		94
44) ETHYL ACETATE	7.718	61	134992	11.20	PPBV	#	95
45) METHYL ACRYLATE	7.706	55	768868	11.44	PPBV		99
46) CHLOROFORM	7.785	83	1115536	11.71	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.636	57	674409	11.09	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.850	97	1193237	12.09	PPBV		98
49) CARBON TETRACHLORIDE	9.541	117	1352457	12.42	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56673.D
Acq On : 6 Feb 2025 2:21 pm
Operator : thomash
Sample : bs
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 17:23:32 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.581	62	677176	11.66	PPBV		99
52)	BENZENE	9.376	78	1339316	10.77	PPBV		99
53)	CYCLOHEXANE	9.676	84	529557	10.91	PPBV		96
54)	2,3-DIMETHYLPENTANE	9.975	71	262188	10.52	PPBV		99
55)	TRICHLOROETHYLENE	10.624	95	716468	10.80	PPBV		95
56)	1,2-DICHLOROPROPANE	10.336	63	491273	9.83	PPBV		95
57)	DIBROMOMETHANE	10.312	174	577385	8.08	PPBV		79
58)	ETHYL ACRYLATE	10.385	55	921035	11.23	PPBV		99
59)	BROMODICHLOROMETHANE	10.581	83	1306365	11.13	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.661	57	1883146	10.53	PPBV		99
61)	1,4-DIOXANE	10.642	88	331833	11.29	PPBV	#	62
62)	HEPTANE	11.009	43	702250	10.76	PPBV		99
63)	METHYL METHACRYLATE	10.918	69	468489	11.91	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.768	58	368621	10.83	PPBV		93
65)	cis-1,3-DICHLOROPROPENE	11.713	75	882620	11.46	PPBV		98
66)	TOLUENE	12.943	92	1000696	11.13	PPBV		98
67)	1,3-DICHLOROPROPANE	12.985	76	839236	11.18	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.386	75	797594	10.71	PPBV		98
69)	1,1,2-TRICHLOROETHANE	12.594	83	576143	10.92	PPBV		100
71)	2-HEXANONE	13.340	58	528828	11.96	PPBV		94
72)	ETHYL METHACRYLATE	13.371	69	804229	12.00	PPBV		98
73)	TETRACHLOROETHYLENE	14.448	164	684144	9.83	PPBV		87
74)	DIBROMOCHLOROMETHANE	13.493	129	1536697	12.59	PPBV		100
75)	1,2-DIBROMOETHANE	13.805	107	1187770	13.08	PPBV		100
76)	OCTANE	14.313	43	1019750	11.78	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.371	131	964064	11.73	PPBV		97
78)	CHLOROBENZENE	15.390	112	1509379	11.11	PPBV		98
79)	ETHYLBENZENE	15.946	91	2277526	12.66	PPBV		100
80)	m,p-XYLENE	16.222	106	1850768	25.68	PPBV		97
81)	o-XYLENE	16.889	106	923904	13.18	PPBV		98
82)	STYRENE	16.736	104	1396405	13.67	PPBV		99
83)	NONANE	17.298	43	1113822	12.51	PPBV		100
84)	BROMOFORM	16.277	173	1289891	10.81	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.889	83	1645008	12.30	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.084	75	1023711	11.16	PPBV		93
88)	ISOPROPYLBENZENE	17.800	105	2640593	12.31	PPBV		98
89)	BROMOBENZENE	17.892	77	1260676	11.45	PPBV		94
90)	2-CHLOROTOLUENE	18.534	126	746797	12.60	PPBV		98
91)	n-PROPYLBENZENE	18.620	120	777643	13.61	PPBV		100
92)	4-ETHYLTOLUENE	18.865	105	2705540	13.31	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	2276506	13.62	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.244	118	1197344	13.37	PPBV		99
95)	tert-BUTYLBENZENE	19.605	134	537219	13.10	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	19.617	105	2472445	13.58	PPBV		98
97)	m-DICHLOROBENZENE	19.807	146	1767538	11.69	PPBV		99
98)	BENZYL CHLORIDE	19.801	91	2313602	12.99	PPBV		99
99)	p-DICHLOROBENZENE	19.911	146	1736781	12.21	PPBV		99
100)	sec-BUTYLBENZENE	20.009	134	657248	13.41	PPBV		98
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	2451426	13.69	PPBV	#	98
102)	p-ISOPROPYLTOLUENE	20.253	134	752519	12.94	PPBV		93
103)	o-DICHLOROBENZENE	20.394	146	1634395	11.84	PPBV		99
104)	n-BUTYLBENZENE	20.847	134	730387	13.27	PPBV		93
105)	HEXACHLOROETHANE	21.312	117	1421503	14.42	PPBV	#	85
106)	HEXACHLOROBUTADIENE	23.361	225	1106807	8.32	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1303169	10.16	PPBV		95
108)	NAPHTHALENE	22.878	128	4101743	14.85	PPBV		99
110)	TVHC as equiv Pentane	5.198	TIC	2779057	10.96	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56673.D
Acq On : 6 Feb 2025 2:21 pm
Operator : thomash
Sample : bs
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 17:23:32 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

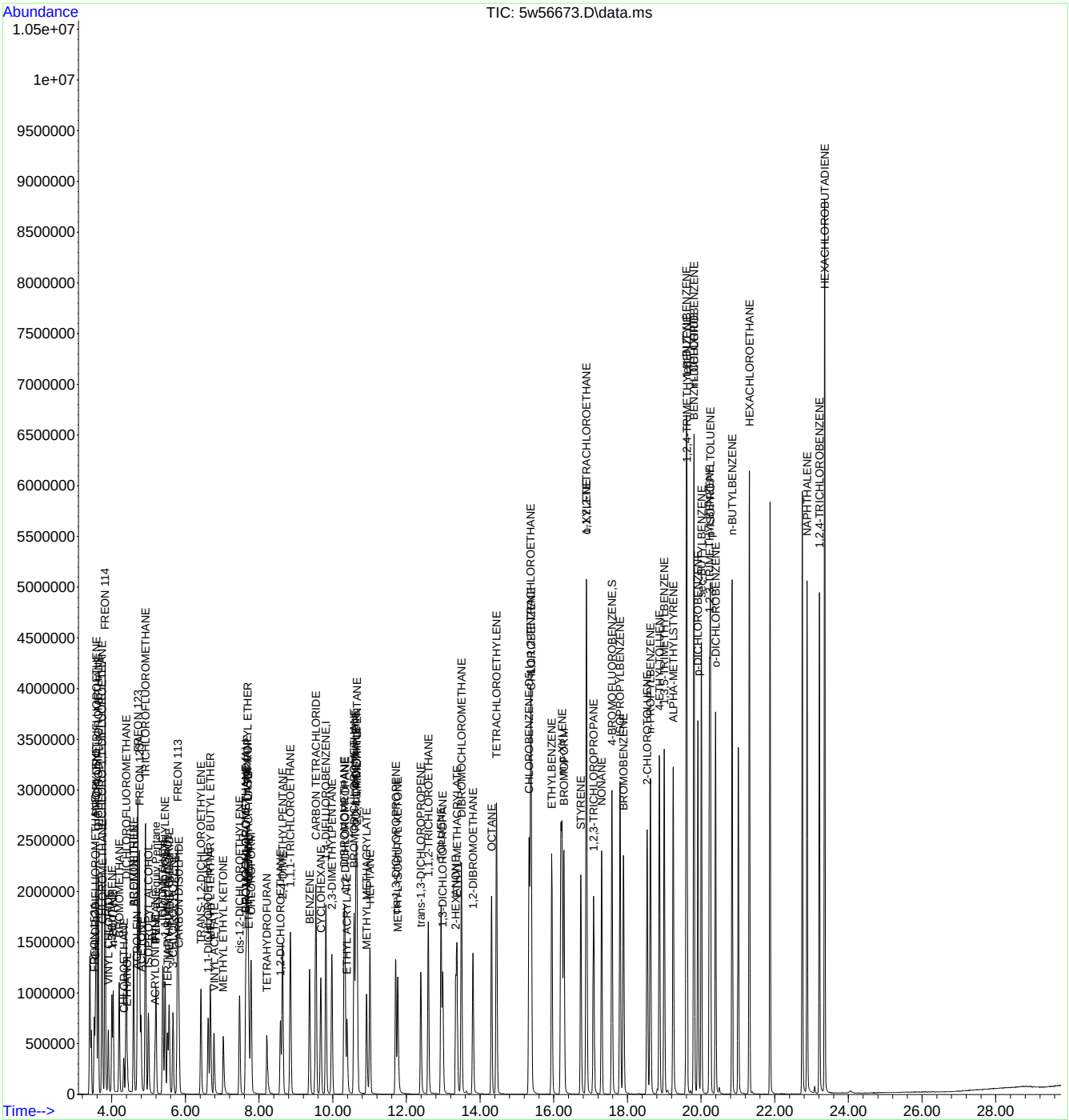
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56673.D
Acq On : 6 Feb 2025 2:21 pm
Operator : thomash
Sample : bs
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 17:23:32 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56674.D
Acq On : 6 Feb 2025 3:01 pm
Operator : thomash
Sample : bsd
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 17:23:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.644	128	456933	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	2054720	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.334	82	1046267	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.644	128	456933	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.580	95	1345898	10.92	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.20%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	321399	9.93	PPBV		99
4) CHLORODIFLUOROMETHANE	3.558	67	173134	11.77	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.588	116	894565	11.94	PPBV		96
6) DICHLORODIFLUOROMETHANE	3.631	85	1777831	12.22	PPBV		98
7) PROPYLENE	3.582	41	388715	10.62	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	1642376	11.10	PPBV		98
9) FREON 114	3.821	85	1984099	10.47	PPBV		96
10) CHLOROMETHANE	3.754	52	167280	8.39	PPBV	#	74
11) VINYL CHLORIDE	3.906	62	567075	8.41	PPBV		99
12) 1,3-BUTADIENE	4.004	54	379211	8.40	PPBV	#	83
13) n-BUTANE	4.041	43	771948	8.17	PPBV		97
14) BROMOMETHANE	4.206	94	689920	9.52	PPBV		100
15) CHLOROETHANE	4.329	64	245021	8.04	PPBV		95
16) DICHLOROFLUOROMETHANE	4.396	67	1438008	9.74	PPBV		98
17) ACETONITRILE	4.592	41	419228	7.64	PPBV		98
18) ACROLEIN	4.690	56	202363	8.34	PPBV		97
19) FREON 123	4.708	83	1533468	9.62	PPBV		97
20) FREON 123A	4.751	117	946289	10.52	PPBV		98
21) TRICHLOROFLUOROMETHANE	4.916	101	2245689	14.02	PPBV		100
22) ISOPROPYL ALCOHOL	5.002	45	970100	11.46	PPBV		98
23) ACETONE	4.794	58	215702	7.93	PPBV	#	65
24) PENTANE	5.203	42	425937	9.95	PPBV		99
25) IODOMETHANE	5.387	142	1577133	12.49	PPBV		94
26) 1,1-DICHLOROETHYLENE	5.454	96	475175	11.29	PPBV		92
27) CARBON DISULFIDE	5.827	76	1316103	11.18	PPBV		99
28) ETHANOL	4.426	45	259867	7.91	PPBV		97
29) BROMOETHENE	4.592	106	658612	9.60	PPBV		92
30) ACRYLONITRILE	5.179	52	245995	9.63	PPBV		96
31) METHYLENE CHLORIDE	5.564	84	419473	10.13	PPBV		98
32) 3-CHLOROPROPENE	5.668	76	209077	11.54	PPBV		94
33) FREON 113	5.791	151	808271	10.34	PPBV		88
34) TRANS-1,2-DICHLOROETHY...	6.427	96	487046	11.04	PPBV		93
35) TERTIARY BUTYL ALCOHOL	5.515	59	744193	10.44	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.684	73	1208475	11.53	PPBV		98
37) TETRAHYDROFURAN	8.213	72	194258	11.67	PPBV		100
38) HEXANE	7.681	57	612990	10.29	PPBV		99
39) VINYL ACETATE	6.782	86	83439	12.39	PPBV		98
40) 1,1-DICHLOROETHANE	6.623	63	796697	10.58	PPBV		99
41) METHYL ETHYL KETONE	7.033	72	201866	11.98	PPBV		98
42) cis-1,2-DICHLOROETHYLENE	7.473	96	523480	10.91	PPBV		93
43) DIISOPROPYL ETHER	7.687	59	187462	10.53	PPBV		96
44) ETHYL ACETATE	7.718	61	141538	11.13	PPBV	#	90
45) METHYL ACRYLATE	7.712	55	803679	11.33	PPBV		99
46) CHLOROFORM	7.785	83	1150005	11.44	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.642	57	703997	10.97	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.856	97	1246975	11.98	PPBV		98
49) CARBON TETRACHLORIDE	9.547	117	1431446	12.46	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56674.D
Acq On : 6 Feb 2025 3:01 pm
Operator : thomash
Sample : bsd
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 17:23:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.580	62	705165	11.50	PPBV		99
52)	BENZENE	9.376	78	1410366	10.63	PPBV		98
53)	CYCLOHEXANE	9.675	84	559417	10.80	PPBV		95
54)	2,3-DIMETHYLPENTANE	9.981	71	271665	10.22	PPBV		99
55)	TRICHLOROETHYLENE	10.630	95	752114	10.62	PPBV		95
56)	1,2-DICHLOROPROPANE	10.342	63	506205	9.49	PPBV		96
57)	DIBROMOMETHANE	10.318	174	609062	7.99	PPBV	#	79
58)	ETHYL ACRYLATE	10.391	55	965997	11.05	PPBV		99
59)	BROMODICHLOROMETHANE	10.587	83	1370245	10.95	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	1955614	10.25	PPBV		99
61)	1,4-DIOXANE	10.648	88	341490	10.89	PPBV	#	86
62)	HEPTANE	11.009	43	737245	10.59	PPBV		99
63)	METHYL METHACRYLATE	10.917	69	494218	11.78	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.768	58	382442	10.53	PPBV		93
65)	cis-1,3-DICHLOROPROPENE	11.713	75	919412	11.19	PPBV		99
66)	TOLUENE	12.942	92	1033014	10.77	PPBV		100
67)	1,3-DICHLOROPROPANE	12.991	76	880425	11.00	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.392	75	842273	10.60	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.594	83	608807	10.82	PPBV		99
71)	2-HEXANONE	13.340	58	549203	11.72	PPBV		92
72)	ETHYL METHACRYLATE	13.371	69	849196	11.96	PPBV		99
73)	TETRACHLOROETHYLENE	14.453	164	722579	9.80	PPBV		87
74)	DIBROMOCHLOROMETHANE	13.493	129	1621795	12.54	PPBV		100
75)	1,2-DIBROMOETHANE	13.811	107	1255335	13.05	PPBV		99
76)	OCTANE	14.313	43	1083324	11.81	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	15.377	131	1011419	11.62	PPBV		96
78)	CHLOROBENZENE	15.396	112	1571175	10.91	PPBV		98
79)	ETHYLBENZENE	15.946	91	2395073	12.57	PPBV		100
80)	m,p-XYLENE	16.221	106	1922653	25.18	PPBV		100
81)	o-XYLENE	16.888	106	966283	13.01	PPBV		99
82)	STYRENE	16.735	104	1472735	13.60	PPBV		99
83)	NONANE	17.298	43	1174159	12.44	PPBV		99
84)	BROMOFORM	16.276	173	1371311	10.85	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.894	83	1708564	12.05	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.084	75	1076306	11.08	PPBV		93
88)	ISOPROPYLBENZENE	17.800	105	2760134	12.14	PPBV		98
89)	BROMOBENZENE	17.898	77	1302446	11.17	PPBV		95
90)	2-CHLOROTOLUENE	18.534	126	781113	12.44	PPBV		99
91)	n-PROPYLBENZENE	18.626	120	823126	13.59	PPBV		99
92)	4-ETHYLTOLUENE	18.870	105	2840949	13.19	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	2374180	13.41	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.244	118	1252404	13.20	PPBV		99
95)	tert-BUTYLBENZENE	19.598	134	556149	12.80	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	19.617	105	2567289	13.31	PPBV		98
97)	m-DICHLOROBENZENE	19.806	146	1845141	11.51	PPBV		99
98)	BENZYL CHLORIDE	19.800	91	2424590	12.85	PPBV		98
99)	p-DICHLOROBENZENE	19.910	146	1823689	12.10	PPBV		99
100)	sec-BUTYLBENZENE	20.008	134	691618	13.32	PPBV		98
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	2537506	13.37	PPBV	#	98
102)	p-ISOPROPYLTOLUENE	20.253	134	789149	12.81	PPBV		95
103)	o-DICHLOROBENZENE	20.394	146	1750857	11.97	PPBV		99
104)	n-BUTYLBENZENE	20.846	134	762317	13.07	PPBV		93
105)	HEXACHLOROETHANE	21.311	117	1491348	14.28	PPBV	#	85
106)	HEXACHLOROBUTADIENE	23.342	225	1172003	8.32	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	23.202	180	1361982	10.03	PPBV		95
108)	NAPHTHALENE	22.859	128	4308576	14.73	PPBV		100
110)	TVHC as equiv Pentane	5.203	TIC	2793892	10.44	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56674.D
Acq On : 6 Feb 2025 3:01 pm
Operator : thomash
Sample : bsd
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 17:23:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

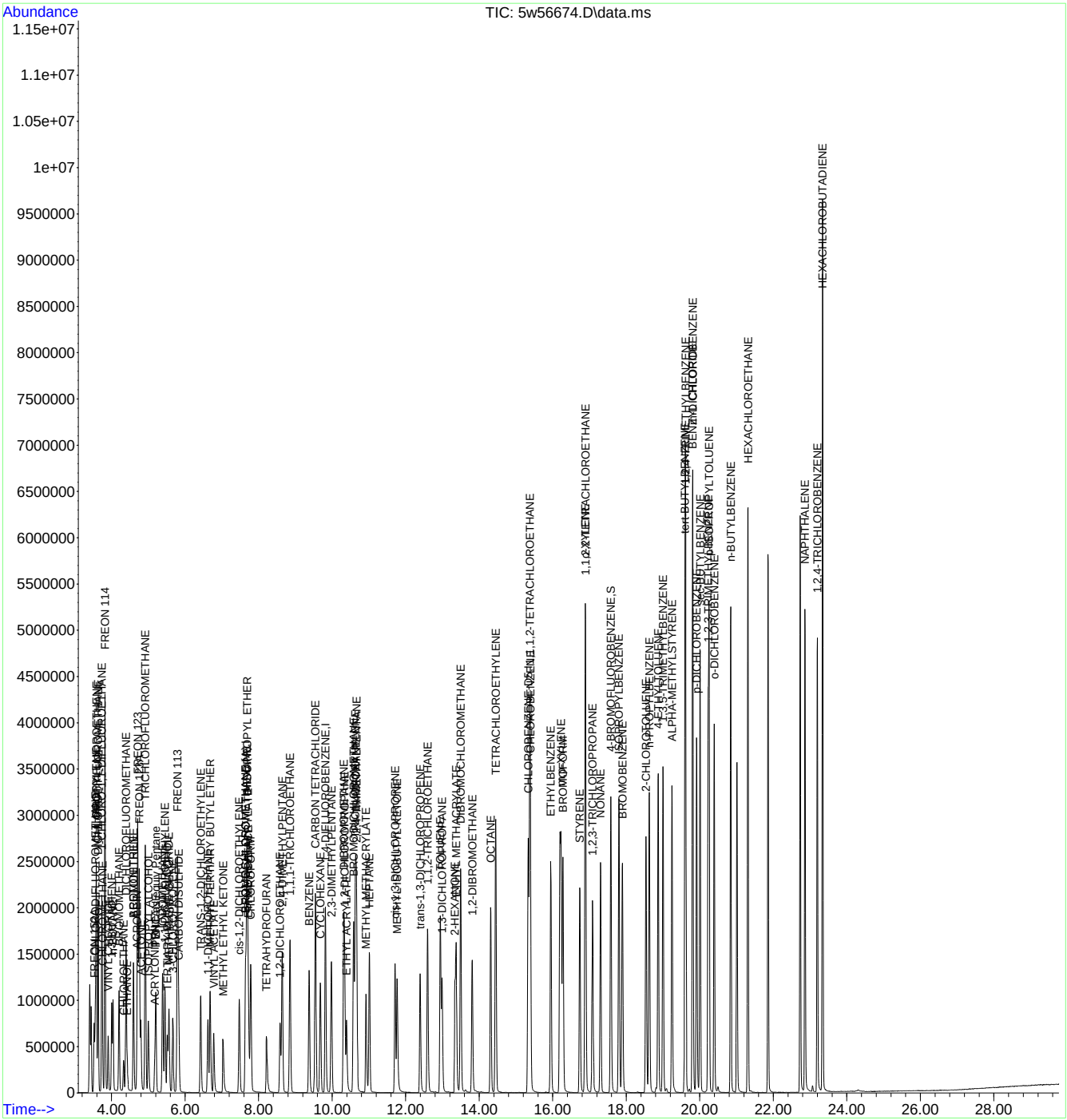
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56674.D
Acq On : 6 Feb 2025 3:01 pm
Operator : thomash
Sample : bsd
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 17:23:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/14/25 20:20

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-14-25\V5W2179 hw\
Data File : 5w56877.D
Acq On : 14 Feb 2025 3:05 am
Operator : thomash
Sample : je5543-2dup Inst : GCMS5W
Misc : MS89637,V5W2179,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 14 15:53:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

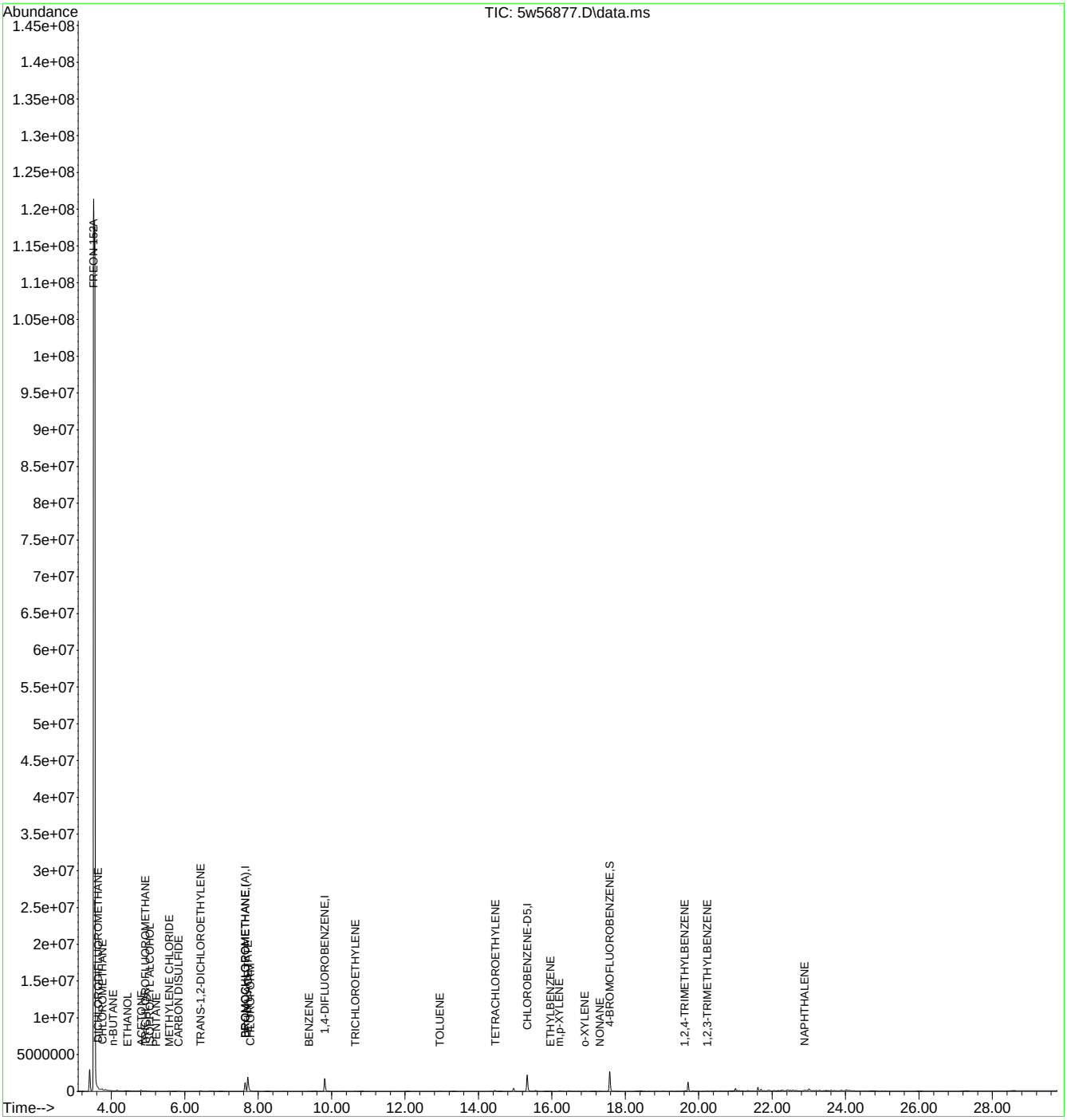
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.645	128	365968	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.810	114	1733865	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.328	82	845842	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.645	128	365968	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.574	95	1145073	11.49	PPBV	-0.01
Spiked Amount 10.000	Range 65 - 128		Recovery = 114.90%			
Target Compounds						Qvalue
3) FREON 152A	3.509	65	27754512	1070.5509	PPBV #	22
6) DICHLORODIFLUOROMETHANE	3.631	85	56728	0.4868	PPBV #	86
10) CHLOROMETHANE	3.754	52	2118	0.1327	PPBV #	26
13) n-BUTANE	4.047	43	10705	0.1415	PPBV #	91
21) TRICHLOROFLUOROMETHANE	4.922	101	49714	0.3875	PPBV	97
22) ISOPROPYL ALCOHOL	5.045	45	16907	0.2494	PPBV	81
23) ACETONE	4.812	58	19373m	0.8889	PPBV	
24) PENTANE	5.222	42	3771	0.1100	PPBV #	13
27) CARBON DISULFIDE	5.828	76	62492	0.6625	PPBV	96
28) ETHANOL	4.439	45	56015	2.1282	PPBV	97
31) METHYLENE CHLORIDE	5.577	84	16030	0.4835	PPBV	91
34) TRANS-1,2-DICHLOROETHY...	6.427	96	40195	1.1372	PPBV	97
44) ETHYL ACETATE	7.718	61	394488	38.7221	PPBV #	78
46) CHLOROFORM	7.785	83	30713	0.3814	PPBV	94
52) BENZENE	9.388	78	13522	0.1208	PPBV	97
55) TRICHLOROETHYLENE	10.648	95	4743	0.0794	PPBV	88
66) TOLUENE	12.949	92	16583	0.2049	PPBV #	1
73) TETRACHLOROETHYLENE	14.460	164	32123	0.5386	PPBV	89
79) ETHYLBENZENE	15.959	91	20186	0.1310	PPBV	99
80) m,p-XYLENE	16.197	106	29201	0.4731	PPBV #	81
81) o-XYLENE	16.895	106	8573	0.1428	PPBV	98
83) NONANE	17.304	43	10752	0.1409	PPBV	96
96) 1,2,4-TRIMETHYLBENZENE	19.617	105	36802	0.2360	PPBV #	41
101) 1,2,3-TRIMETHYLBENZENE	20.229	105	17824	0.1162	PPBV	92
108) NAPHTHALENE	22.884	128	70768	0.2992	PPBV	80

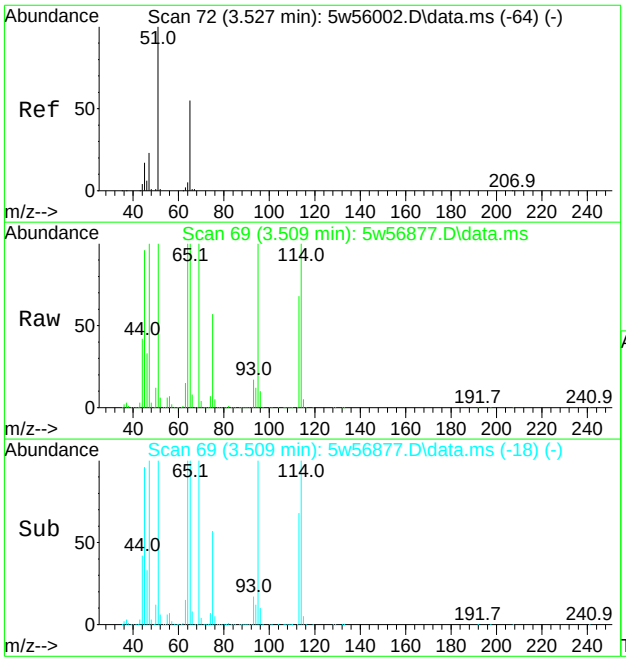
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-14-25\V5W2179 hw\
Data File : 5w56877.D
Acq On : 14 Feb 2025 3:05 am
Operator : thomash
Sample : je5543-2dup Inst : GCMS5W
Misc : MS89637,V5W2179,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 14 15:53:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

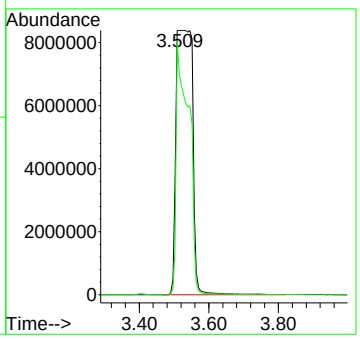


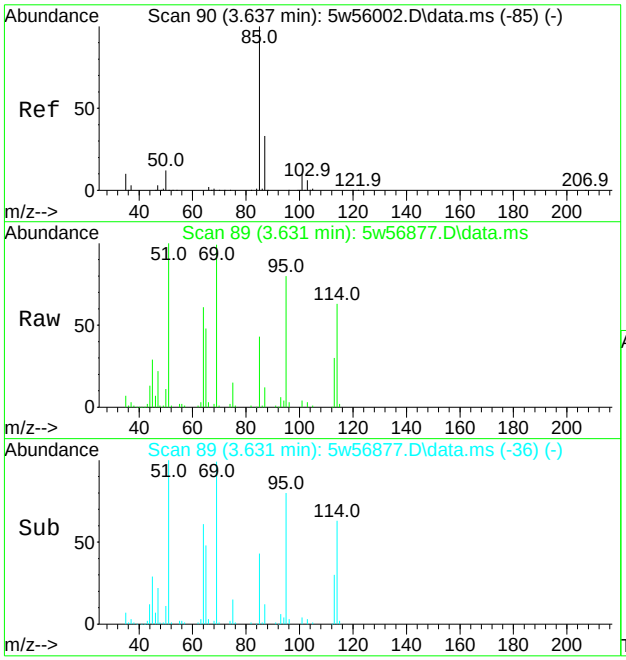


#3
FREON 152A
Concen: 1070.5509 PPBV
RT: 3.509 min Scan# 69
Delta R.T. -0.018 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 65 Resp:27754512

Ion	Ratio	Lower	Upper
65	100		
45	74.2	1.3	61.3#

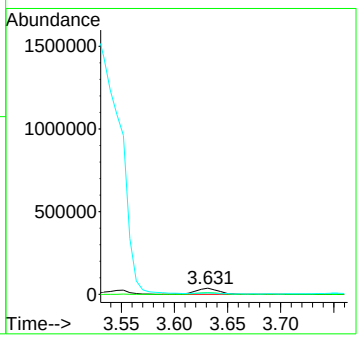


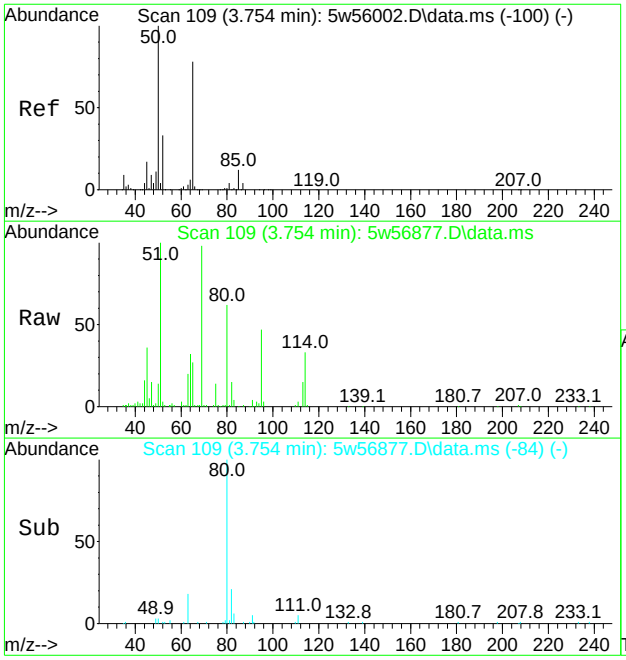


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4868 PPBV
RT: 3.631 min Scan# 89
Delta R.T. -0.006 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 85 Resp: 56728

Ion	Ratio	Lower	Upper
85	100		
87	28.5	2.7	62.7
50	0.0	0.0	42.5

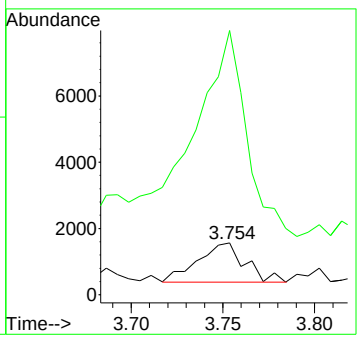


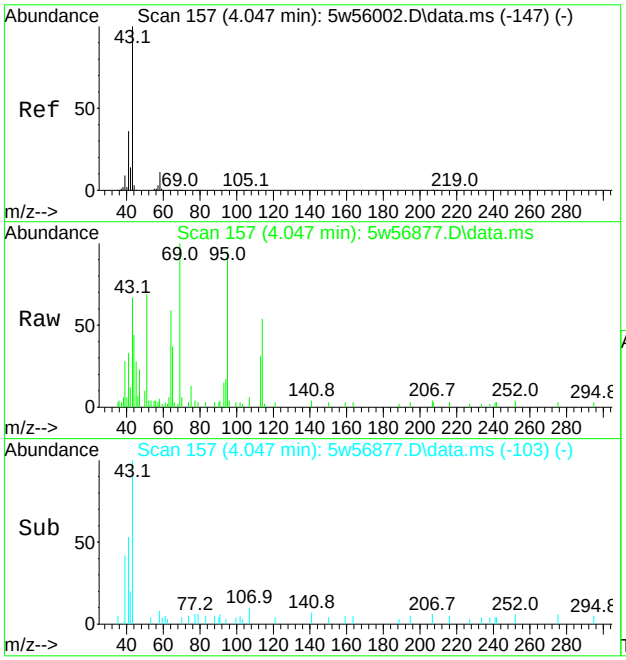


#10
CHLOROMETHANE
Concen: 0.1327 PPBV
RT: 3.754 min Scan# 109
Delta R.T. -0.000 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 52 Resp: 2118

Ion	Ratio	Lower	Upper
52	100		
50	454.1	277.5	337.5#

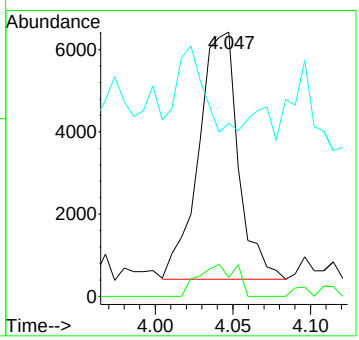


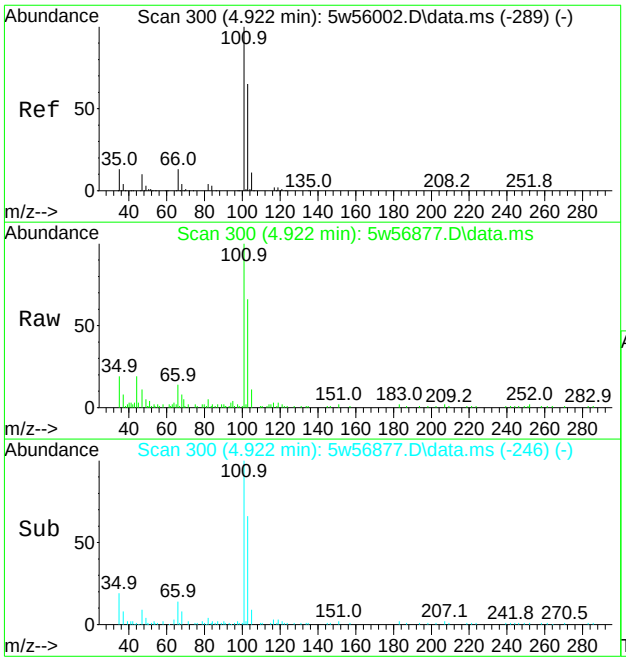


#13
n-BUTANE
Concen: 0.1415 PPBV
RT: 4.047 min Scan# 157
Delta R.T. -0.000 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 43 Resp: 10705

Ion	Ratio	Lower	Upper
43	100		
58	12.4	0.0	40.6
44	0.0	0.0	36.0

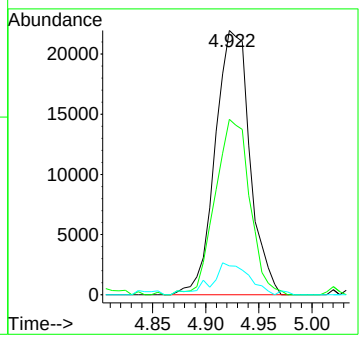


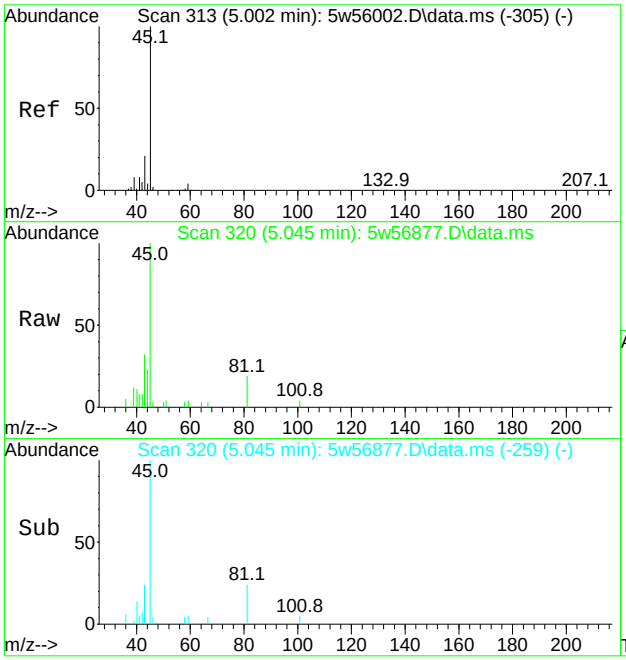


#21
TRICHLOROFLUOROMETHANE
Concen: 0.3875 PPBV
RT: 4.922 min Scan# 300
Delta R.T. -0.000 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion:101 Resp: 49714

Ion	Ratio	Lower	Upper
101	100		
103	66.6	34.8	94.8
105	12.9	0.0	40.9

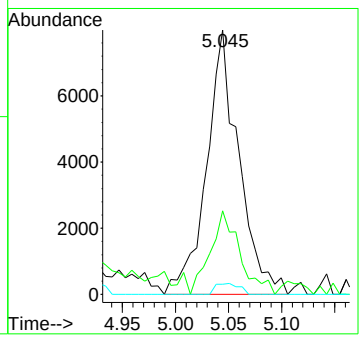


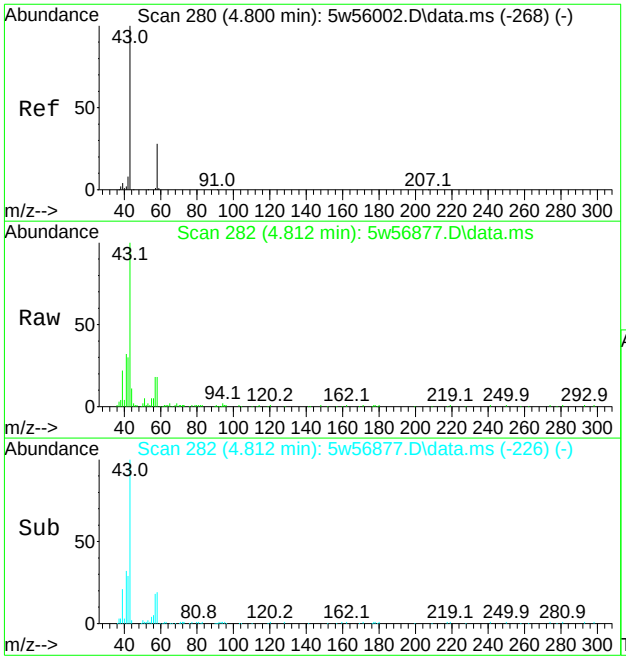


#22
ISOPROPYL ALCOHOL
Concen: 0.2494 PPBV
RT: 5.045 min Scan# 320
Delta R.T. 0.043 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 45 Resp: 16907

Ion	Ratio	Lower	Upper
45	100		
43	31.6	0.0	51.3
59	3.8	0.0	33.7

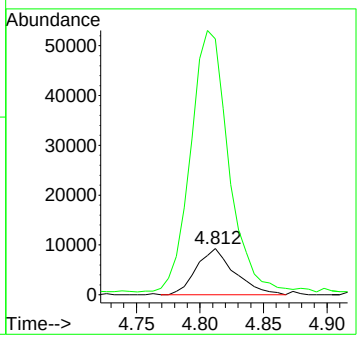


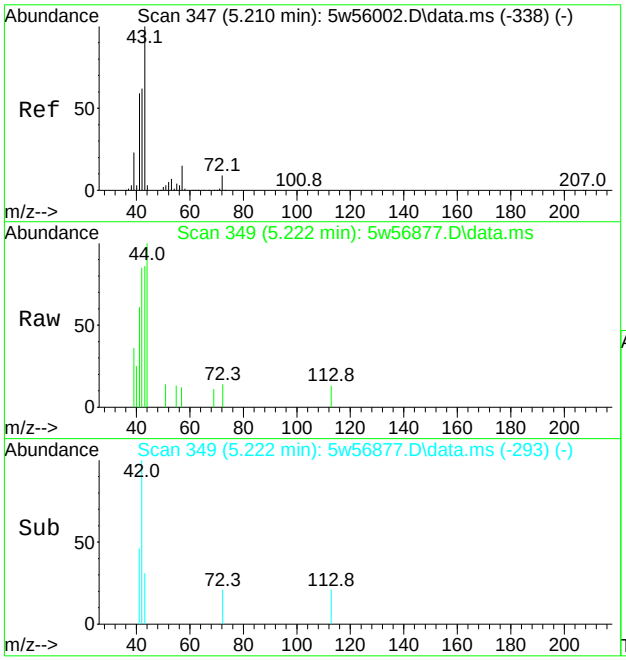


#23
ACETONE
Concen: 0.8889 PPBV m
RT: 4.812 min Scan# 282
Delta R.T. 0.012 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 58 Resp: 19373

Ion	Ratio	Lower	Upper
58	100		
43	3.3	334.9	394.9#

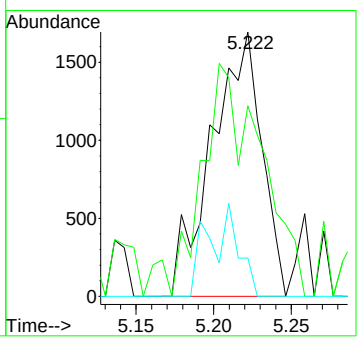


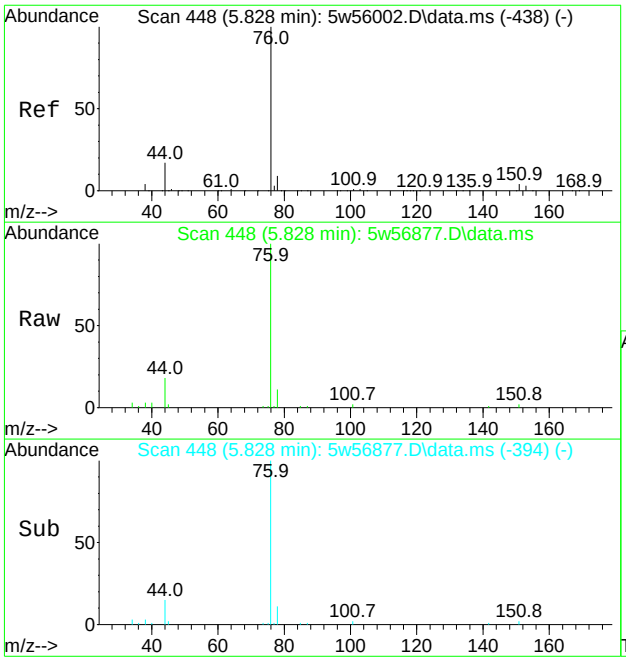


#24
PENTANE
Concen: 0.1100 PPBV
RT: 5.222 min Scan# 349
Delta R.T. 0.012 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 42 Resp: 3771

Ion	Ratio	Lower	Upper
42	100		
41	0.0	63.7	123.7#
57	0.0	0.0	53.4

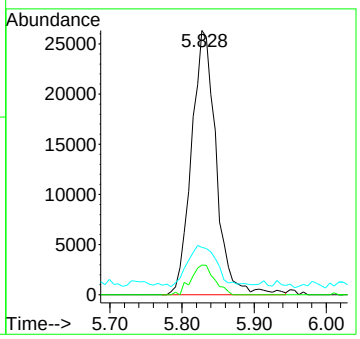


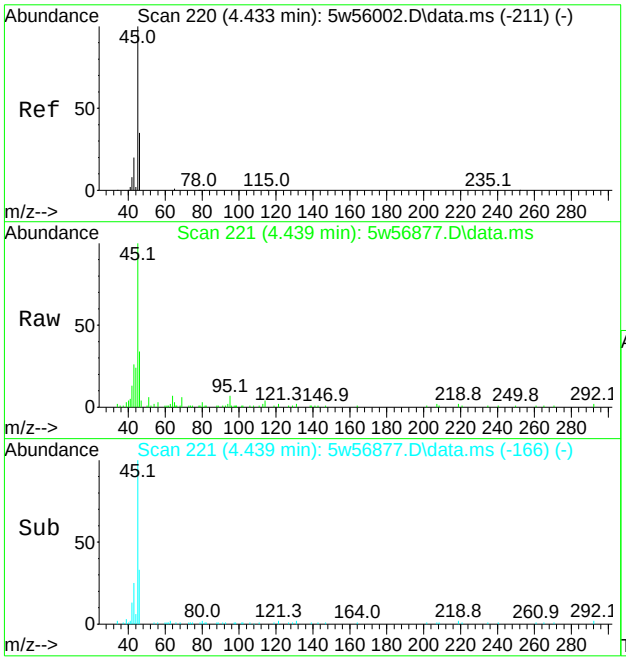


#27
CARBON DISULFIDE
Concen: 0.6625 PPBV
RT: 5.828 min Scan# 448
Delta R.T. -0.000 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 76 Resp: 62492

Ion	Ratio	Lower	Upper
76	100		
78	10.7	0.0	41.3
44	19.4	0.0	47.0

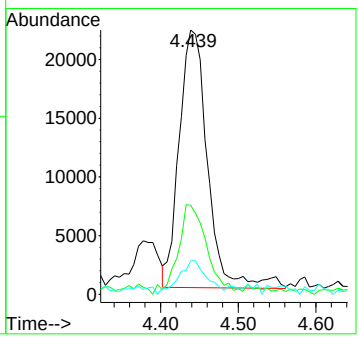


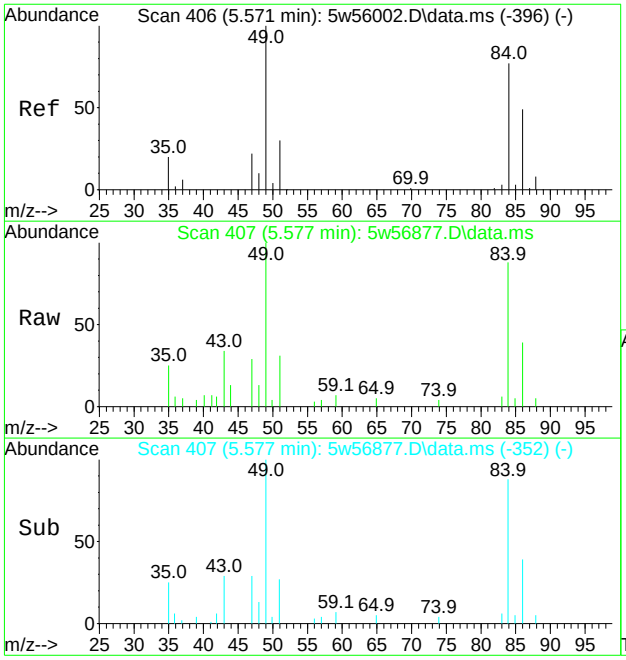


#28
ETHANOL
Concen: 2.1282 PPBV
RT: 4.439 min Scan# 221
Delta R.T. 0.006 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 45 Resp: 56015

Ion	Ratio	Lower	Upper
45	100		
46	35.5	4.8	64.8
42	13.0	0.0	38.6

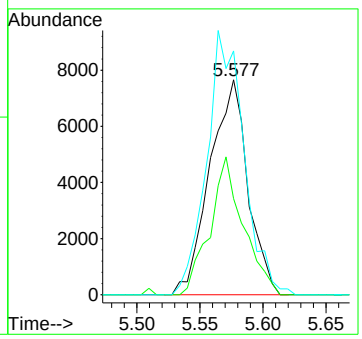


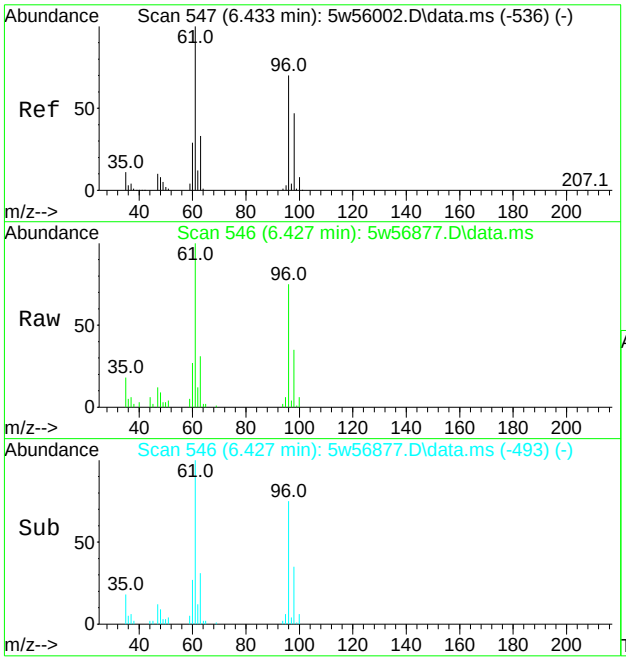


#31
METHYLENE CHLORIDE
Concen: 0.4835 PPBV
RT: 5.577 min Scan# 407
Delta R.T. 0.006 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 84 Resp: 16030

Ion	Ratio	Lower	Upper
84	100		
86	56.3	34.4	94.4
49	120.1	100.0	160.0

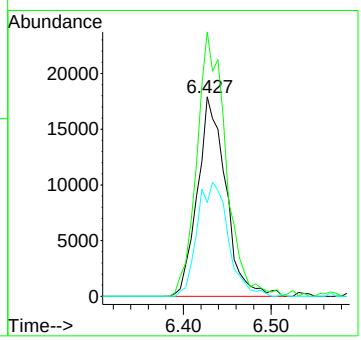


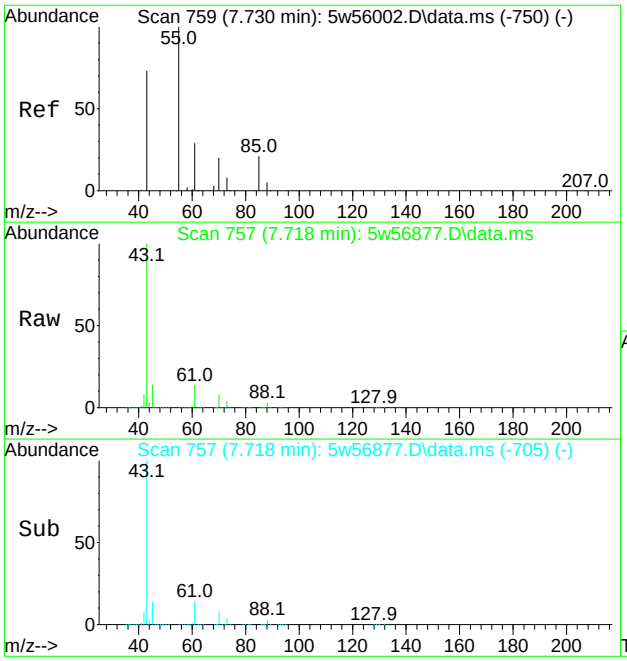


#34
TRANS-1,2-DICHLOROETHYLENE
Concen: 1.1372 PPBV
RT: 6.427 min Scan# 546
Delta R.T. -0.006 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 96 Resp: 40195

Ion	Ratio	Lower	Upper
96	100		
61	135.9	109.7	169.7
98	62.4	35.0	95.0

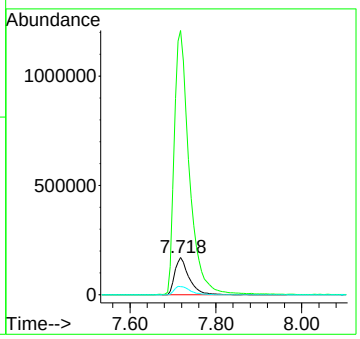


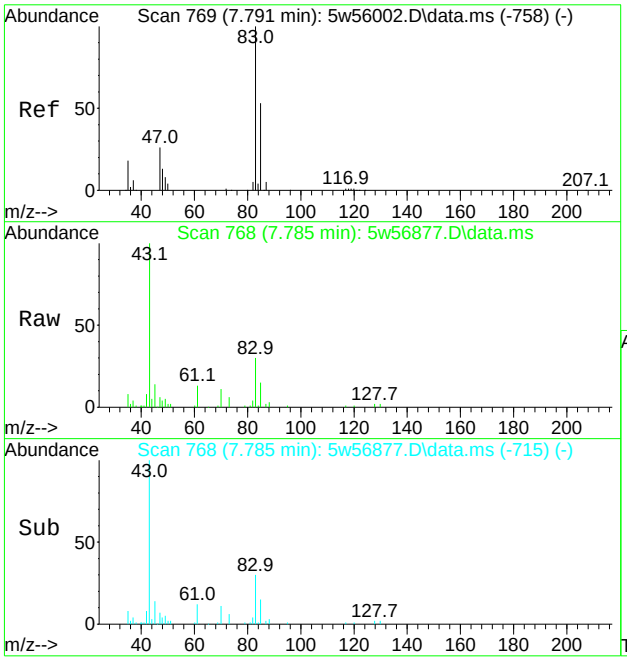


#44
ETHYL ACETATE
Concen: 38.7221 PPBV
RT: 7.718 min Scan# 757
Delta R.T. -0.012 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 61 Resp: 394488

Ion	Ratio	Lower	Upper
61	100		
43	754.0	0.0	30.0#
88	25.0	8.3	68.3

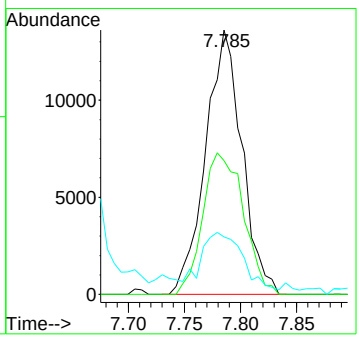


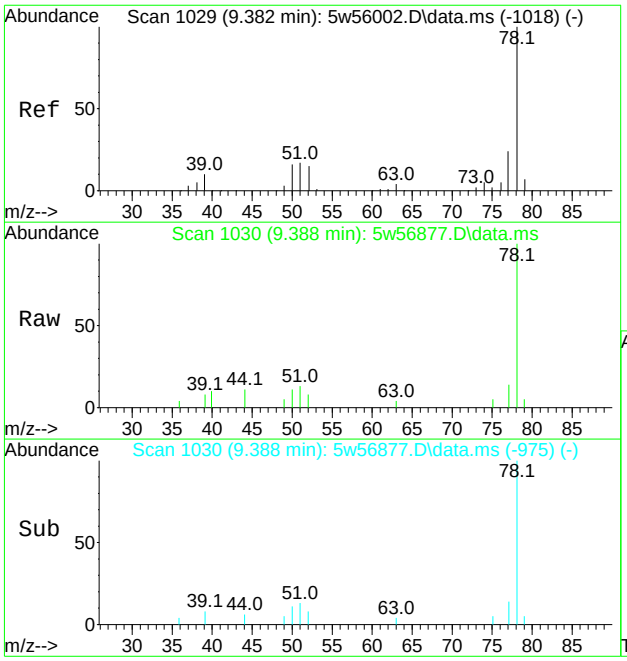


#46
CHLOROFORM
Concen: 0.3814 PPBV
RT: 7.785 min Scan# 768
Delta R.T. -0.006 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 83 Resp: 30713

Ion	Ratio	Lower	Upper
83	100		
85	60.0	35.5	95.5
47	25.0	0.0	55.9

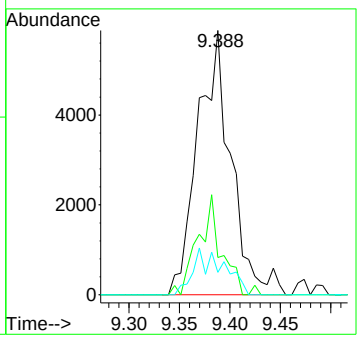


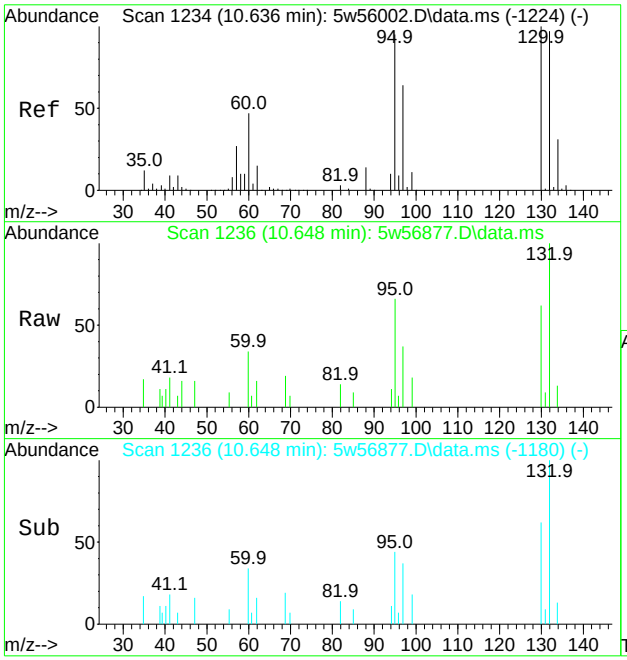


#52
BENZENE
Concen: 0.1208 PPBV
RT: 9.388 min Scan# 1030
Delta R.T. 0.006 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 78 Resp: 13522

Ion	Ratio	Lower	Upper
78	100		
77	26.1	0.0	54.1
52	16.0	0.0	45.0

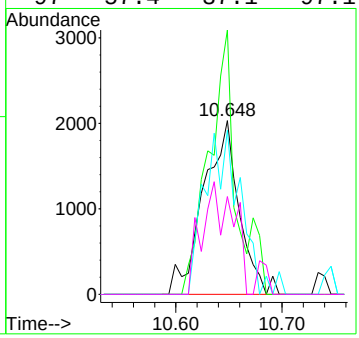


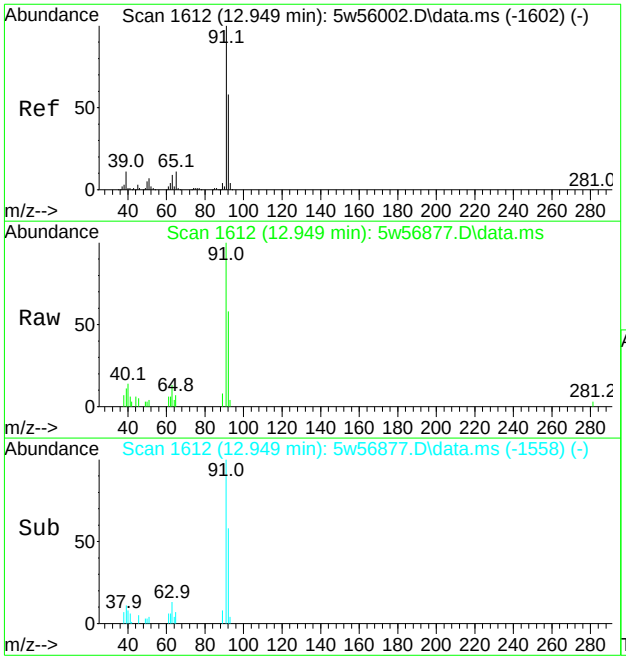


#55
TRICHLOROETHYLENE
Concen: 0.0794 PPBV
RT: 10.648 min Scan# 1236
Delta R.T. 0.012 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 95 Resp: 4743

Ion	Ratio	Lower	Upper
95	100		
132	116.4	74.7	134.7
130	93.1	76.4	136.4
97	57.4	37.1	97.1

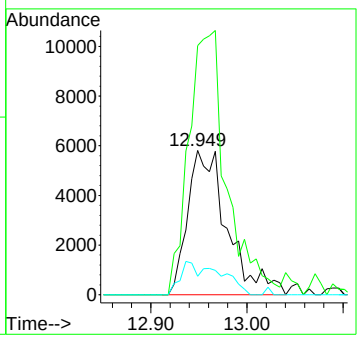


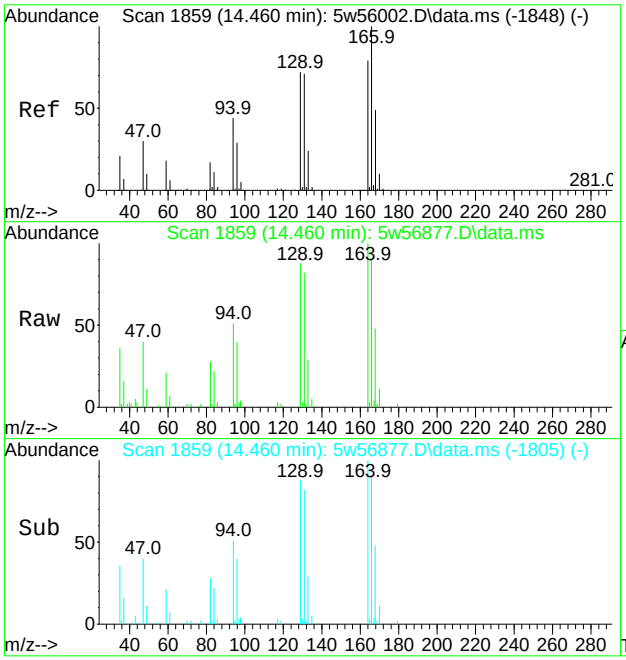


#66
TOLUENE
Concen: 0.2049 PPBV
RT: 12.949 min Scan# 1612
Delta R.T. -0.000 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 92 Resp: 16583

Ion	Ratio	Lower	Upper
92	100		
91	0.0	142.9	202.9#
65	23.2	0.0	51.6

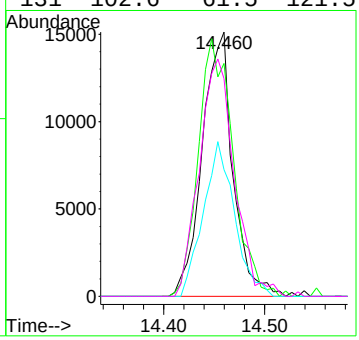


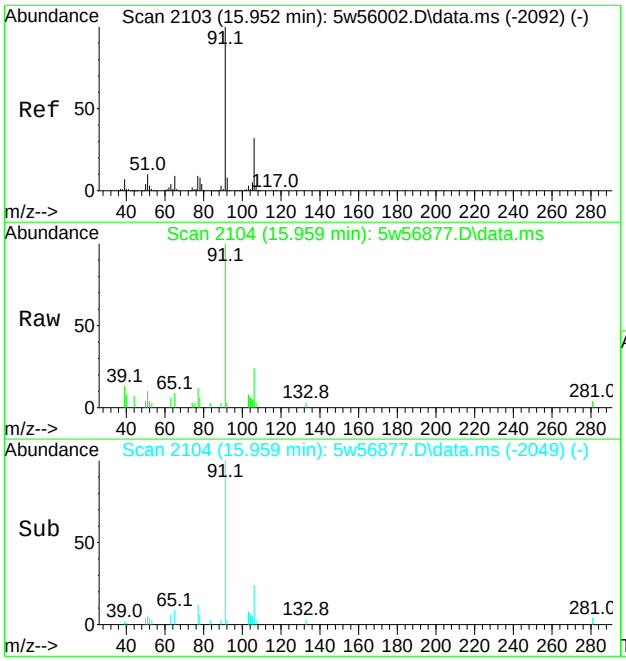


#73
TETRACHLOROETHYLENE
Concen: 0.5386 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.000 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion:164 Resp: 32123

Ion	Ratio	Lower	Upper
164	100		
129	110.1	63.5	123.5
168	59.4	31.0	91.0
131	102.6	61.5	121.5

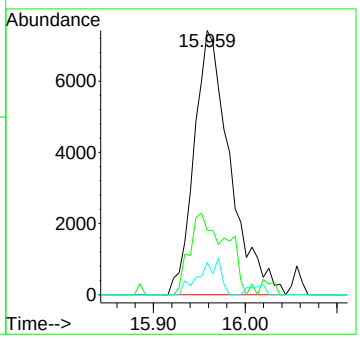


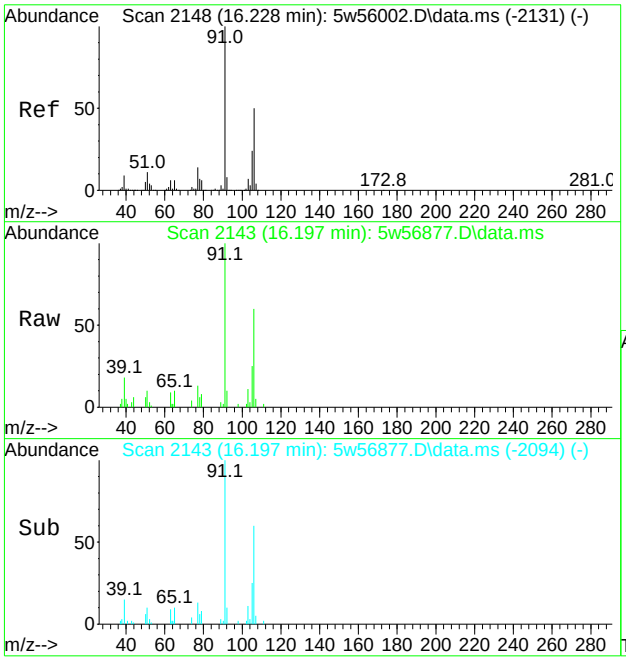


#79
ETHYLBENZENE
Concen: 0.1310 PPBV
RT: 15.959 min Scan# 2104
Delta R.T. 0.006 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 91 Resp: 20186

Ion	Ratio	Lower	Upper
91	100		
106	31.1	1.6	61.6
77	8.1	0.0	38.8

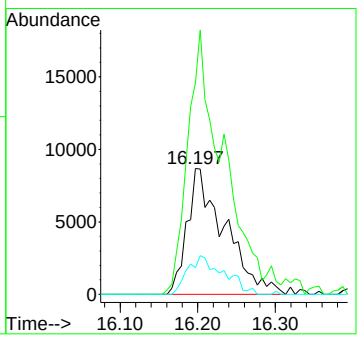


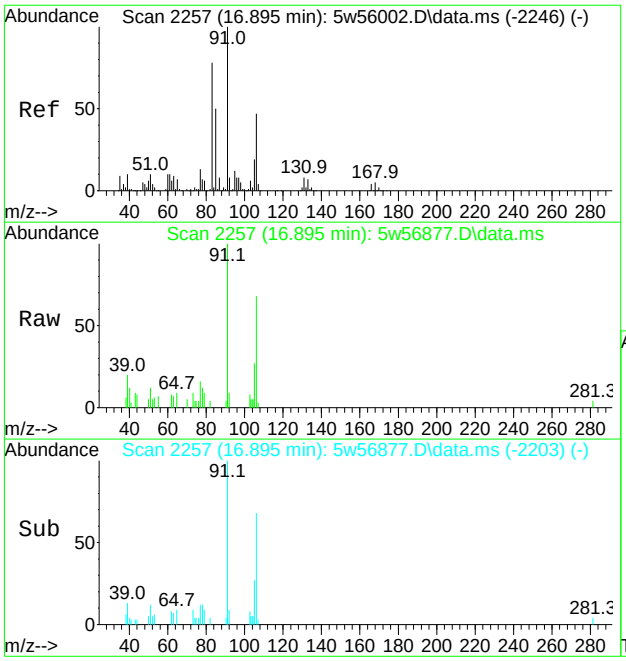


#80
m,p-XYLENE
Concen: 0.4731 PPBV
RT: 16.197 min Scan# 2143
Delta R.T. -0.031 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion:106 Resp: 29201

Ion	Ratio	Lower	Upper
106	100		
91	168.1	168.7	228.7#
77	21.1	0.0	57.9

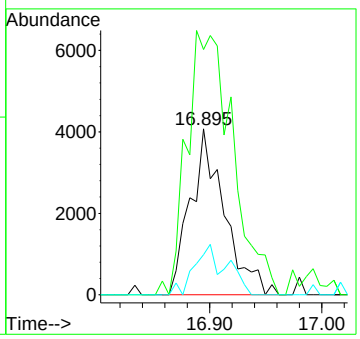


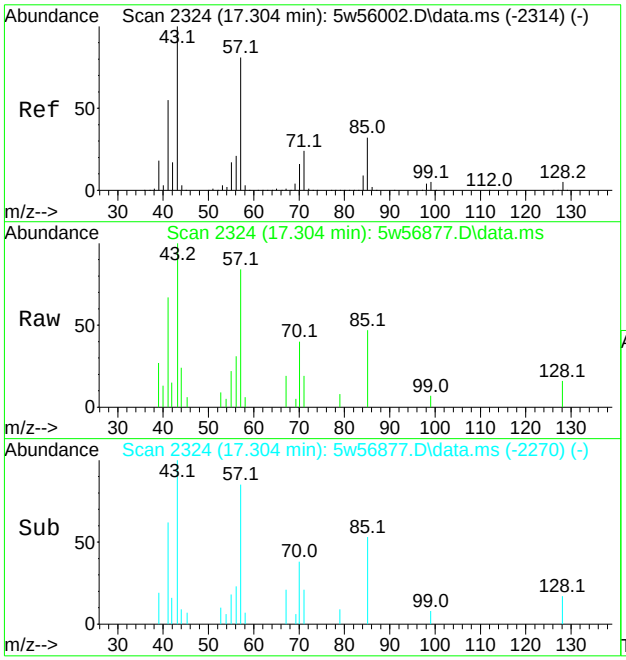


#81
o-XYLENE
Concen: 0.1428 PPBV
RT: 16.895 min Scan# 2257
Delta R.T. -0.000 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion:106 Resp: 8573

Ion	Ratio	Lower	Upper
106	100		
91	214.3	181.0	241.0
77	28.5	0.0	57.4

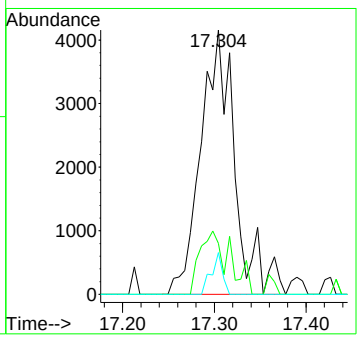


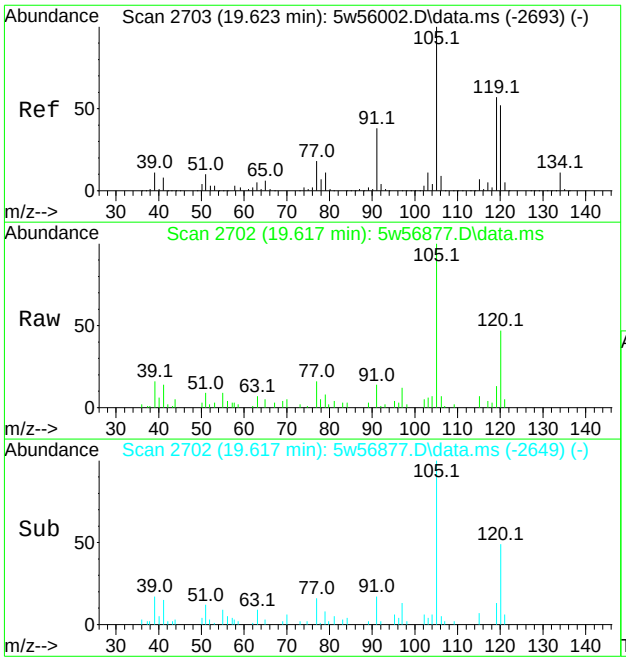


#83
NONANE
Concen: 0.1409 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.000 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion: 43 Resp: 10752

Ion	Ratio	Lower	Upper
43	100		
71	21.0	0.0	53.4
128	5.2	0.0	34.9

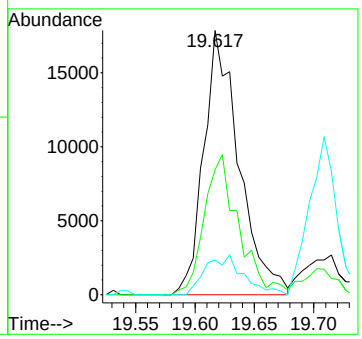


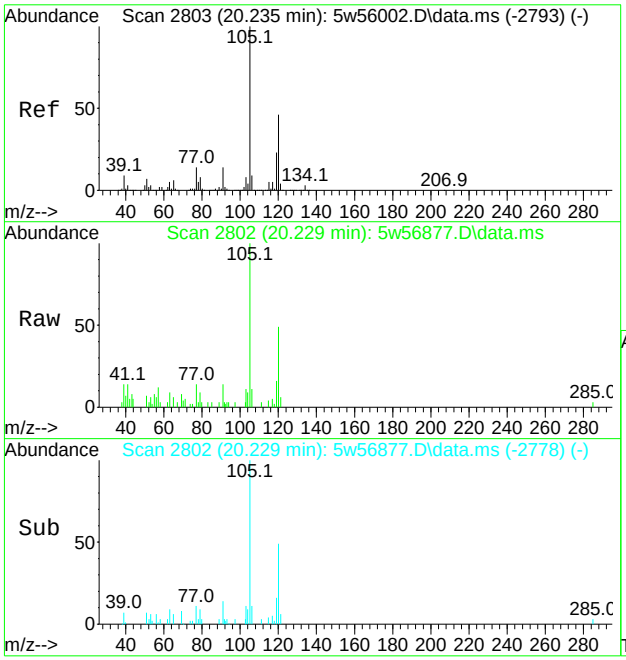


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.2360 PPBV
RT: 19.617 min Scan# 2702
Delta R.T. -0.006 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion:105 Resp: 36802

Ion	Ratio	Lower	Upper
105	100		
120	51.6	26.4	86.4
119	16.3	76.6	136.6#

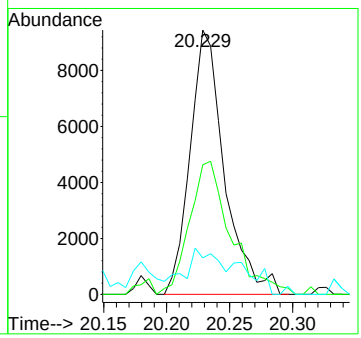


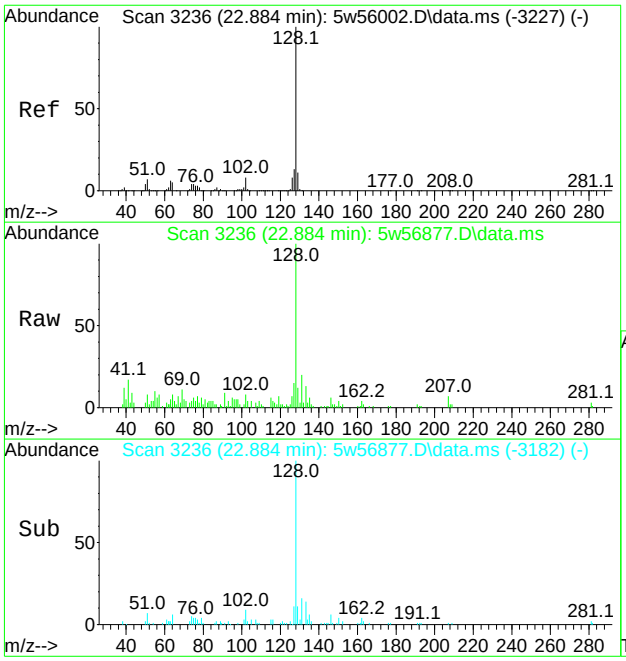


#101
1,2,3-TRIMETHYLBENZENE
Concen: 0.1162 PPBV
RT: 20.229 min Scan# 2802
Delta R.T. -0.006 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion:105 Resp: 17824

Ion	Ratio	Lower	Upper
105	100		
120	60.3	24.3	84.3
91	24.9	0.0	30.0

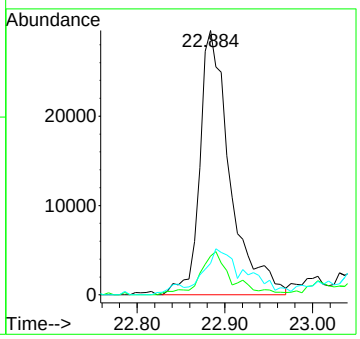




#108
NAPHTHALENE
Concen: 0.2992 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w56877.D
Acq: 14 Feb 2025 3:05 am

Tgt Ion:128 Resp: 70768

Ion	Ratio	Lower	Upper
128	100		
127	17.3	0.0	43.0
129	22.5	0.0	41.1



7.4.1

7

Manual Integration Approval Summary

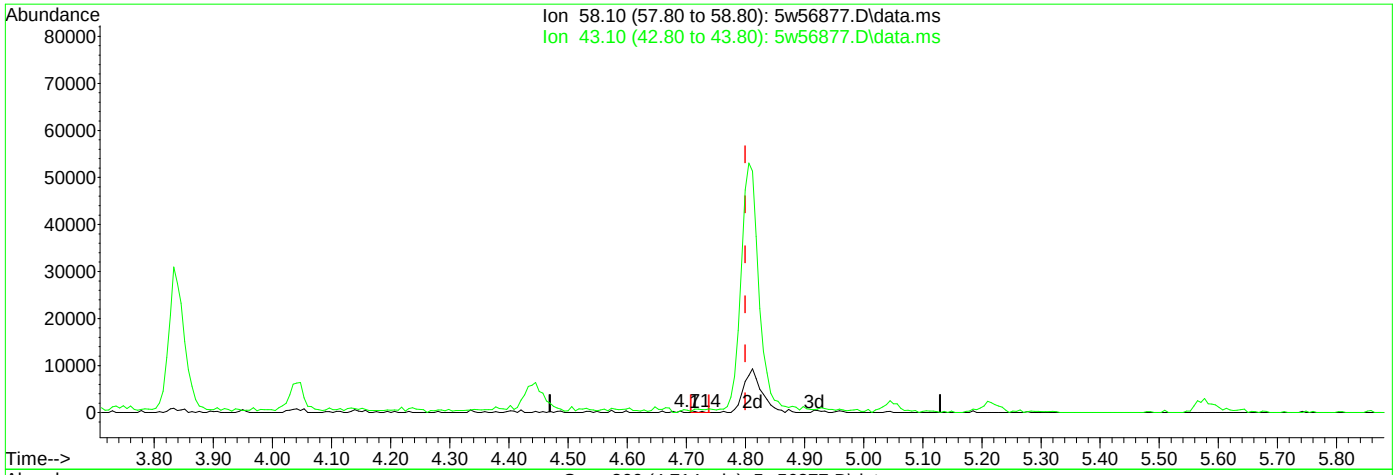
Sample Number:	JE5543-2DUP	**Method:**	TO-15
Lab FileID:	5W56877.D	**Analyst approved:**	02/14/25 12:04 Rosanlie Alfon
Injection Time:	02/14/25 03:05	**Supervisor approved:**	02/14/25 20:20 Kanya Veerawat

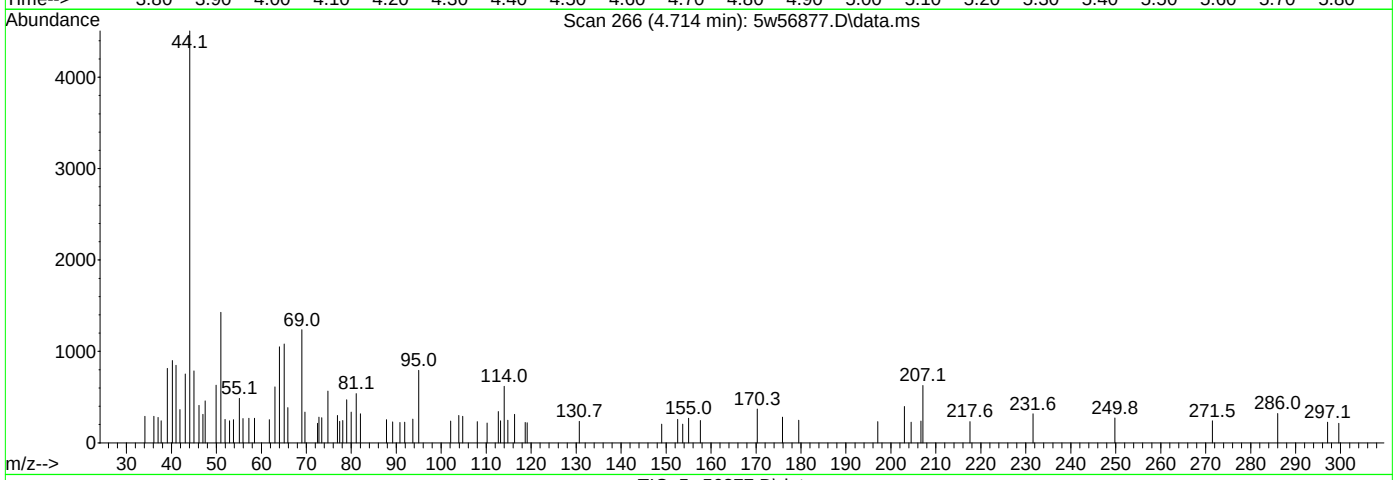
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetone (2-Propanone)	67-64-1		4.81	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\rosanlie\Feb 2025\02-14-25\V5W2179 hw\
Data File : 5w56877.D
Acq On : 14 Feb 2025 3:05 am
Operator : thomash
Sample : je5543-2dup Inst : GCMS5W
Misc : MS89637,V5W2179,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 14 15:23:08 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration





TIC: 5w56877.D\data.ms

(23) ACETONE

4.714min (-0.086) 0.01PPBV

response 189

Ion	Exp%	Act%
58.10	100	100
43.10	364.90	337.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56694.D
Acq On : 7 Feb 2025 7:03 am
Operator : thomash
Sample : scc(a2074),cp12990
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 12:34:33 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

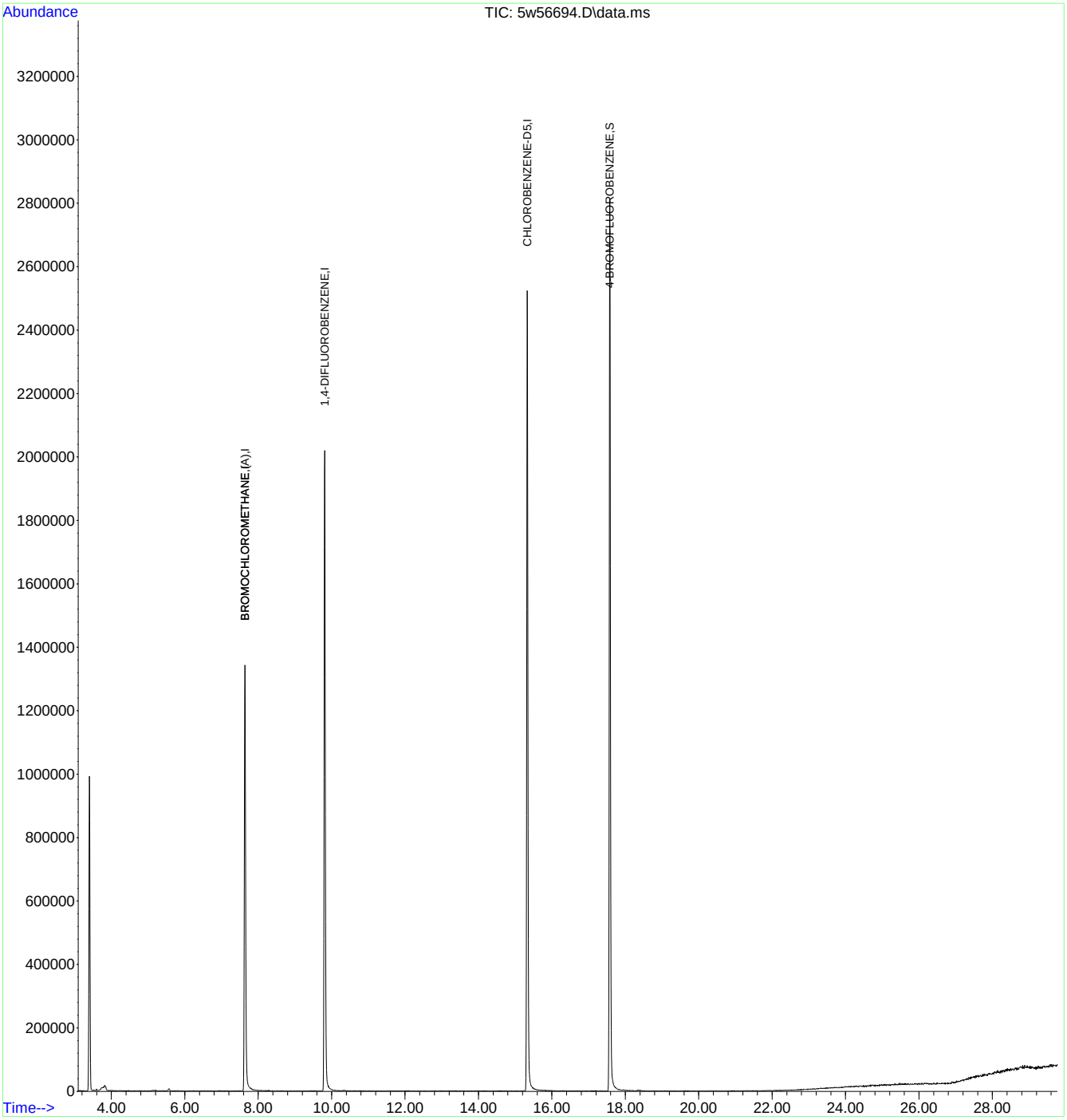
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.638	128	463581	10.00	PPBV	-0.01
51) 1,4-DIFLUOROBENZENE	9.810	114	2089350	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.328	82	945279	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.638	128	463581	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.573	95	1251643	11.24	PPBV	-0.01
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.40%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56694.D
Acq On : 7 Feb 2025 7:03 am
Operator : thomash
Sample : scc(a2074),cp12990
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 2 Sample Multiplier: 1

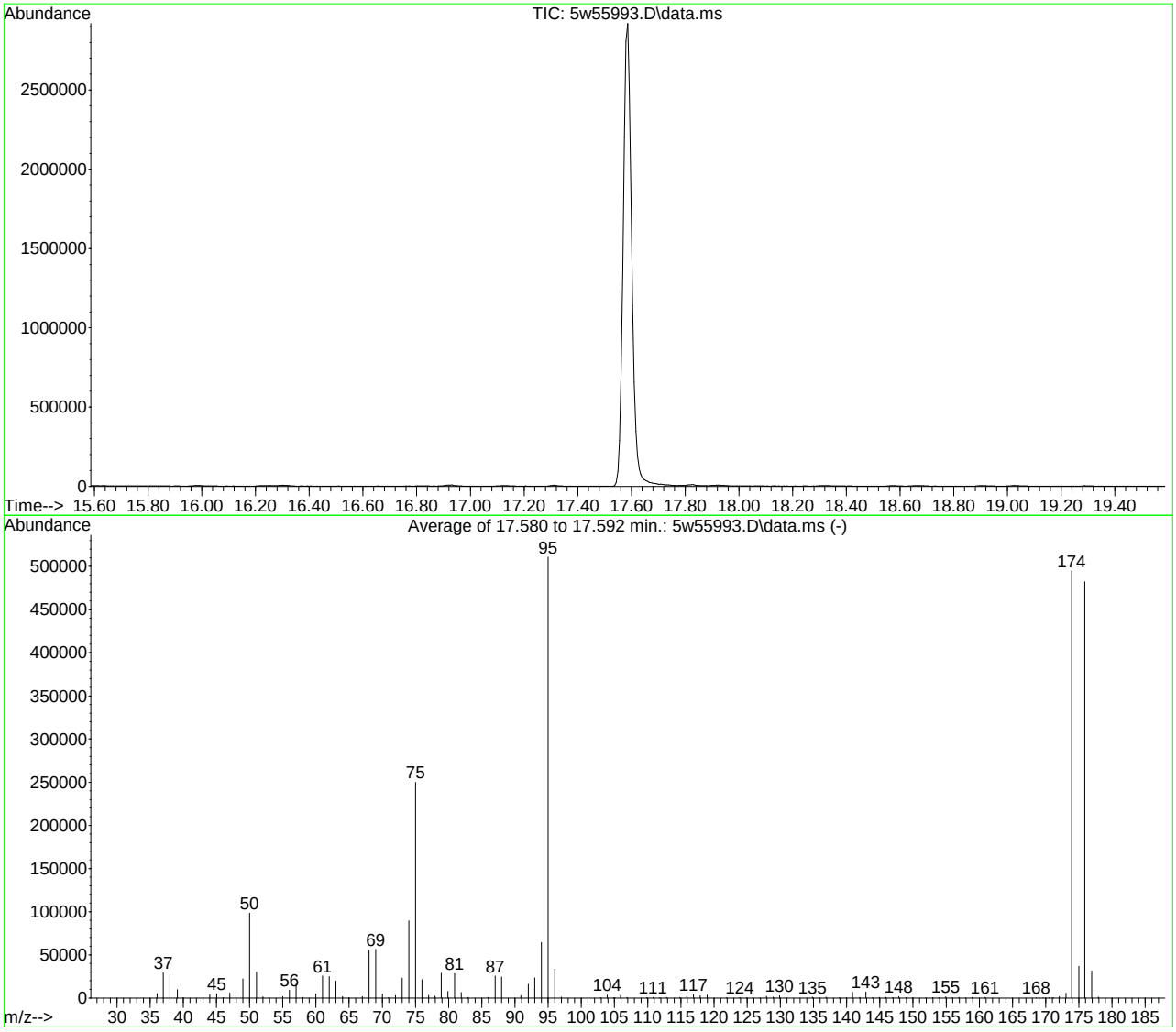
Quant Time: Feb 07 12:34:33 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\DATA\5w55993.D Vial: 2
Acq On : 8 Jan 2025 11:56 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88386,V5W2144,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2358

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.3	98517	PASS
75	95	30	66	48.9	249792	PASS
95	95	100	100	100.0	510763	PASS
96	95	5	9	6.6	33464	PASS
173	174	0.00	2	1.1	5620	PASS
174	95	50	120	96.9	494933	PASS
175	174	4	9	7.4	36869	PASS
176	174	93	101	97.4	482155	PASS
177	176	5	9	6.5	31496	PASS

5w55993.D M5w2125.M Thu Jan 09 17:15:00 2025

Average of 17.580 to 17.592 min.: 5w55993.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	5216	49.00	22128	63.00	19896	75.00	249792
37.00	29176	50.00	98517	64.00	1807	76.00	21245
38.00	26496	51.05	30000	65.00	558	77.00	3117
39.10	9646	52.00	1393	67.00	1520	77.95	2290
40.00	412	55.00	1621	68.00	55309	78.90	28645
43.00	343	56.00	9136	69.00	56520	79.90	7564
44.00	4044	57.00	15952	70.00	4652	80.90	28453
45.05	5070	58.00	723	70.90	69	81.90	6328
46.05	414	60.00	4815	72.00	2801	82.90	707
47.00	5712	61.00	25477	73.00	23098	85.95	630
47.95	3052	62.00	24984	74.00	89389	87.00	25539

Average of 17.580 to 17.592 min.: 5w55993.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	24331	105.10	181	118.95	3367	135.90	169
90.90	2766	105.90	3174	121.90	84	136.90	1122
92.00	15808	106.90	632	123.90	396	138.85	202
93.00	23531	109.85	573	124.90	231	139.95	478
94.00	64435	110.85	747	125.85	304	140.90	6607
95.00	510763	111.85	561	126.95	154	141.95	843
96.00	33464	112.85	774	127.90	2009	142.90	6930
97.00	985	114.85	680	128.90	1052	143.90	367
102.90	327	115.90	2171	129.90	2432	144.90	668
103.90	3310	116.90	3987	130.90	703	145.90	886
104.90	600	117.90	2415	134.85	1199	146.95	414

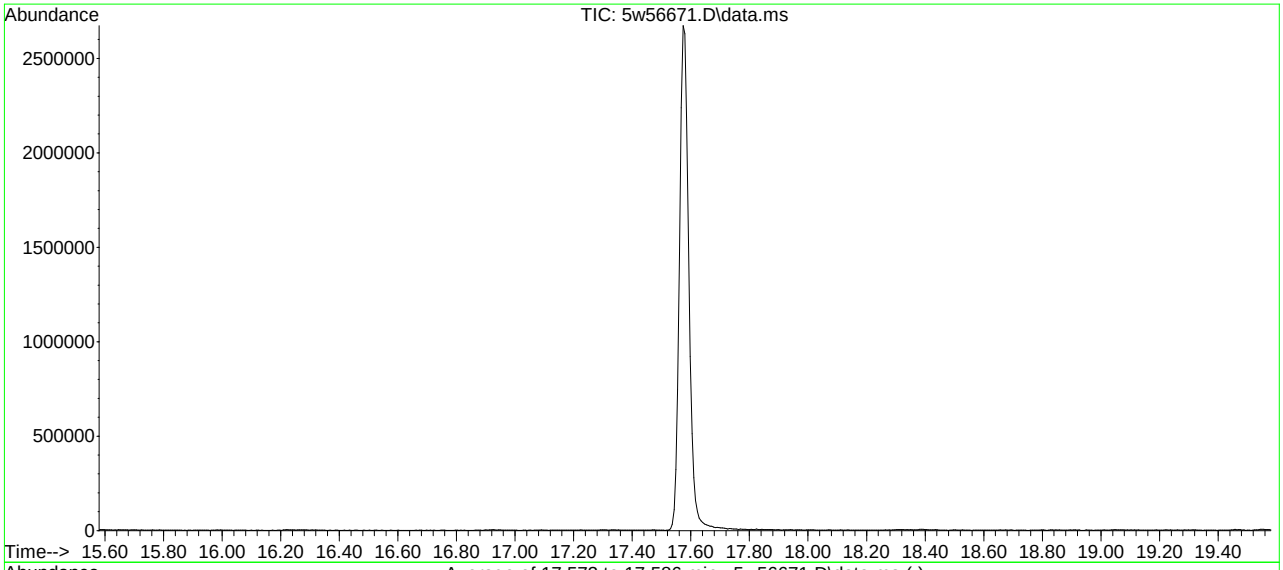
Average of 17.580 to 17.592 min.: 5w55993.D\data.ms
bfb
Modified:subtracted

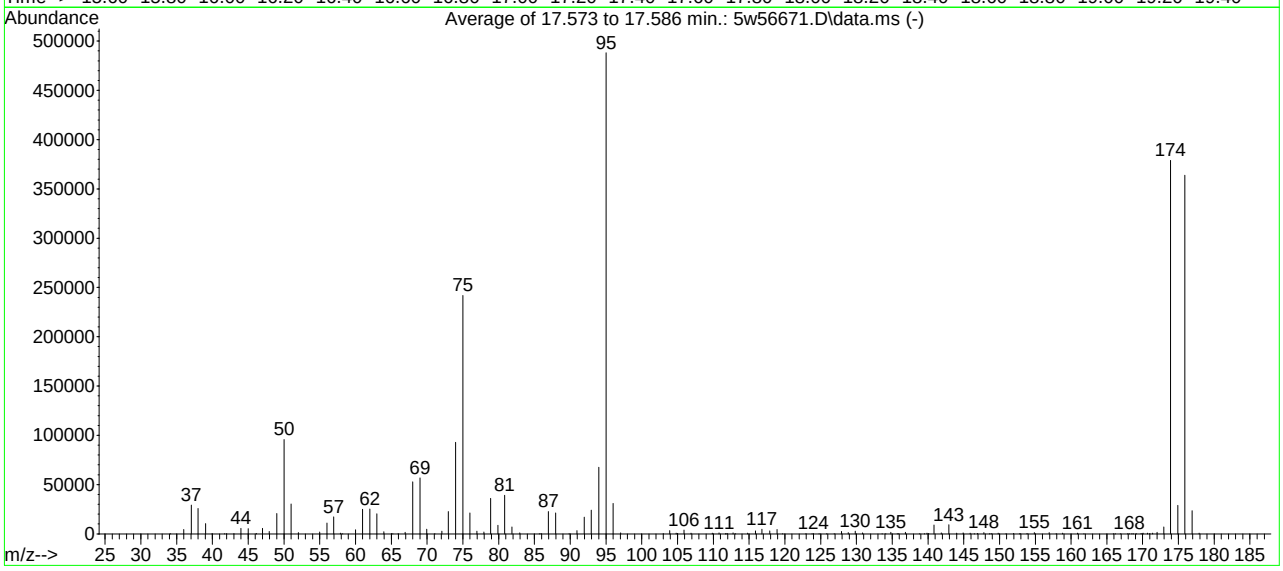
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	1586	160.85	668	175.00	36869		
148.95	378	168.55	187	175.90	482155		
149.95	562	169.05	159	176.95	31496		
151.90	256	169.60	187	177.95	988		
152.95	400	170.00	126				
153.90	396	170.55	346				
154.95	1406	171.00	246				
155.95	297	171.20	209				
156.90	822	172.05	1749				
157.90	67	173.05	5620				
158.90	790	173.90	494933				

BFB

Data File : C:\msdchem\1\DATA\5w56671.D Vial: 1
Acq On : 6 Feb 2025 12:05 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS89333,V5W2171,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um





AutoFind: Scans 2368, 2369, 2370; Background Corrected with Scan 2357

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.6	95741	PASS
75	95	30	66	49.5	241771	PASS
95	95	100	100	100.0	488043	PASS
96	95	5	9	6.3	30888	PASS
173	174	0.00	2	1.8	6882	PASS
174	95	50	120	77.7	378987	PASS
175	174	4	9	7.6	28763	PASS
176	174	93	101	96.0	363797	PASS
177	176	5	9	6.5	23539	PASS

5w56671.D M5w2125.M Thu Feb 06 17:21:54 2025

Average of 17.573 to 17.586 min.: 5w56671.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
34.15	211	46.15	586	58.20	119	69.00	56875
36.00	4529	47.00	5667	60.00	4225	69.95	4738
37.05	29163	47.95	2406	61.00	24784	71.10	200
38.00	25688	49.00	20651	62.00	25077	72.05	2683
39.05	10527	50.00	95741	63.00	20384	72.95	22570
39.95	286	51.00	30275	63.95	2125	74.00	92779
41.70	86	52.00	1218	65.00	173	75.00	241771
42.00	183	55.00	1748	65.20	187	76.00	21275
43.00	268	56.00	10832	65.95	198	76.95	2847
44.00	5441	56.95	17092	66.95	1571	77.95	1945
45.00	5412	57.90	758	68.00	52744	78.90	36067

Average of 17.573 to 17.586 min.: 5w56671.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
79.90	8603	92.95	23987	109.85	603	118.90	4364
80.85	39037	94.00	67445	110.80	928	119.70	83
81.85	7002	95.00	488043	111.70	194	122.95	165
82.95	896	96.00	30888	111.80	230	123.80	157
85.70	257	97.05	1057	111.95	470	124.00	286
85.95	518	103.00	203	112.75	924	124.80	125
86.95	22701	103.90	3327	113.10	203	125.85	200
87.95	21093	104.80	733	114.80	847	126.90	95
89.85	216	105.00	345	115.90	2900	127.90	2380
90.95	3389	105.90	3832	116.80	4769	128.85	1232
91.95	16823	106.90	811	117.90	2881	129.85	2765

Average of 17.573 to 17.586 min.: 5w56671.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
130.85	1151	140.85	8926	149.80	649	161.80	80
133.60	78	141.85	1117	150.90	83	165.90	71
134.10	96	142.90	9182	151.95	384	166.20	96
134.80	1528	144.00	602	152.80	94	166.90	110
135.70	148	144.90	919	152.95	282	167.90	124
135.85	278	145.90	687	153.85	338	168.15	258
136.85	1464	146.50	90	154.85	1376	168.50	99
138.80	210	146.90	356	156.95	1179	168.70	157
139.50	87	147.80	1382	157.90	94	169.10	181
139.85	846	148.60	76	158.80	627	169.80	330
140.10	333	148.85	397	160.90	724	170.05	826

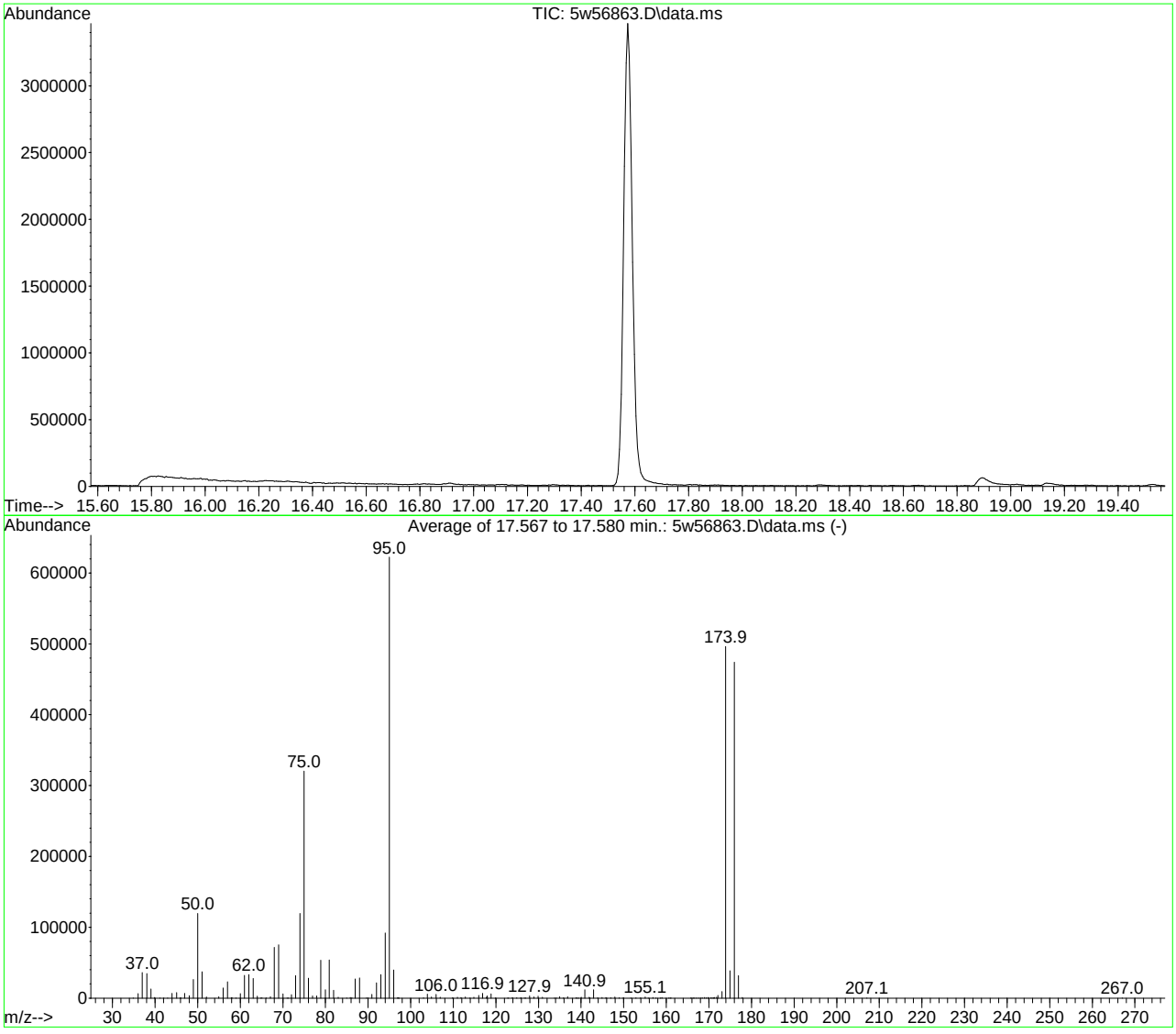
Average of 17.573 to 17.586 min.: 5w56671.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
170.70	666						
171.00	374						
171.40	618						
172.00	1662						
172.95	6882						
173.90	378987						
174.90	28763						
175.90	363797						
176.90	23539						
177.90	630						

BFB

Data File : X:\Dayton VOA GCMS\k...425\v5w2179\5w56863.D Vial: 1
Acq On : 13 Feb 2025 4:28 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2144.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2367, 2368, 2369; Background Corrected with Scan 2356

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.2	119555	PASS
75	95	30	66	51.5	320384	PASS
95	95	100	100	100.0	622272	PASS
96	95	5	9	6.4	39859	PASS
173	174	0.00	2	1.9	9284	PASS
174	95	50	120	79.8	496363	PASS
175	174	4	9	7.8	38717	PASS
176	174	93	101	95.5	474048	PASS
177	176	5	9	6.7	31592	PASS

5w56863.D M5w2144.M Fri Feb 14 11:37:04 2025

Average of 17.567 to 17.580 min.: 5w56863.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
34.90	117	45.90	284	57.90	419	67.05	2127
36.05	6251	46.05	465	58.05	1115	68.00	71771
37.00	36088	46.95	6802	59.00	75	69.00	75141
38.05	34648	48.05	3564	60.05	6322	70.05	6023
39.05	12878	49.00	26480	61.00	32208	71.00	164
39.90	885	50.00	119555	62.00	33235	71.30	340
41.15	219	51.05	37299	63.05	27595	72.00	4855
42.05	205	52.05	1690	64.00	2858	73.00	31648
42.95	265	54.95	2007	64.80	208	74.00	119544
44.00	6607	56.00	14253	65.10	597	75.00	320384
45.05	7928	57.00	23035	66.10	232	76.00	28061

Average of 17.567 to 17.580 min.: 5w56863.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
76.95	3004	88.00	28403	97.30	108	114.85	1239
77.95	3225	89.60	116	103.00	503	115.95	3877
78.90	53323	89.90	71	103.90	5690	116.90	6564
79.95	11859	90.90	5282	104.90	1629	117.80	1305
80.90	53712	92.00	21608	105.95	5395	117.95	3061
81.90	11203	93.00	33275	106.95	1175	118.85	5959
83.00	1365	94.00	92016	109.80	760	119.90	265
85.00	68	95.00	622272	110.95	1214	122.80	117
85.80	1030	96.00	39859	111.80	1037	123.00	153
86.20	432	96.90	556	112.85	1705	123.90	868
87.00	26871	97.10	448	113.90	104	124.90	532

Average of 17.567 to 17.580 min.: 5w56863.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
125.80	134	135.85	461	144.90	1077	155.80	136
125.95	463	136.85	2117	145.80	802	156.85	987
126.70	182	138.85	438	146.00	350	157.60	101
127.00	175	139.10	144	146.95	484	158.60	261
127.90	2956	139.40	72	147.95	1694	158.95	1038
128.95	1727	140.05	1152	148.95	507	160.60	242
129.90	2665	140.90	11946	149.90	1004	160.90	348
130.90	1206	141.90	1234	151.70	201	161.05	530
133.75	185	142.10	650	152.90	396	165.70	212
134.20	193	142.90	11749	153.95	488	166.00	123
134.95	1946	143.90	652	155.05	1611	166.40	172

Average of 17.567 to 17.580 min.: 5w56863.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
166.60	183	171.30	768				
167.05	304	171.80	1167				
167.50	331	172.10	3966				
168.00	332	173.05	9284				
168.45	702	173.95	496363				
169.00	787	174.95	38717				
169.40	643	175.95	474048				
169.85	1003	176.95	31592				
170.50	666	177.85	1029				
170.80	730	207.10	112				
171.10	724	267.00	67				

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/09/25 21:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:49 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.644	128	443022	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1966418	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.334	82	923193	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.644	128	443463	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1175874	10.52	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.20%				
Target Compounds							Qvalue
3) FREON 152A	3.521	65	1853	0.06	PPBV		94
4) CHLORODIFLUOROMETHANE	3.552	67	447	0.03	PPBV	#	42
5) CHLOROTRIFLUOROETHENE	3.582	116	2940	0.04	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.631	85	5942	0.04	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	6717	0.05	PPBV	#	83
9) FREON 114	3.815	85	8570	0.04	PPBV		97
10) CHLOROMETHANE	3.754	52	981	0.05	PPBV	#	37
11) VINYL CHLORIDE	3.906	62	2869	0.04	PPBV		88
12) 1,3-BUTADIENE	4.004	54	2362	0.05	PPBV	#	75
13) n-BUTANE	4.041	43	5303	0.06	PPBV	#	90
14) BROMOMETHANE	4.206	94	3514	0.05	PPBV		78
15) CHLOROETHANE	4.329	64	1493	0.05	PPBV	#	29
16) DICHLOROFLUOROMETHANE	4.396	67	6747	0.05	PPBV	#	65
19) FREON 123	4.708	83	7440	0.05	PPBV	#	71
20) FREON 123A	4.751	117	4122	0.05	PPBV	#	70
21) TRICHLOROFLUOROMETHANE	4.916	101	7933	0.05	PPBV		99
24) PENTANE	5.216	42	2198	0.06	PPBV		90
25) IODOMETHANE	5.393	142	5180	0.04	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.454	96	2020	0.05	PPBV		81
27) CARBON DISULFIDE	5.827	76	4602	0.04	PPBV		57
29) BROMOETHENE	4.598	106	3163	0.05	PPBV	#	85
30) ACRYLONITRILE	5.210	52	1055	0.05	PPBV	#	76
31) METHYLENE CHLORIDE	5.577	84	2150	0.06	PPBV		95
32) 3-CHLOROPROPENE	5.674	76	536	0.03	PPBV	#	1
33) FREON 113	5.797	151	3173	0.04	PPBV		93
34) TRANS-1,2-DICHLOROETHY...	6.433	96	1776	0.04	PPBV		84
35) TERTIARY BUTYL ALCOHOL	5.626	59	2516	0.03	PPBV		75
36) METHYL TERTIARY BUTYL ...	6.770	73	3858	0.04	PPBV		89
38) HEXANE	7.681	57	2238	0.04	PPBV	#	78
40) 1,1-DICHLOROETHANE	6.623	63	3198	0.04	PPBV		92
42) cis-1,2-DICHLOROETHYLENE	7.485	96	2583	0.06	PPBV	#	63
46) CHLOROFORM	7.791	83	4452	0.05	PPBV		91
47) 2,4-DIMETHYLPENTANE	8.648	57	2367	0.03	PPBV	#	79
48) 1,1,1-TRICHLOROETHANE	8.856	97	4078	0.04	PPBV		89
49) CARBON TETRACHLORIDE	9.547	117	4441	0.04	PPBV		96
50) 1,2-DICHLOROETHANE	8.599	62	2140	0.03	PPBV	#	88
52) BENZENE	9.388	78	5101	0.04	PPBV		92
53) CYCLOHEXANE	9.682	84	1998	0.04	PPBV		91
54) 2,3-DIMETHYLPENTANE	9.975	71	799	0.03	PPBV	#	36
55) TRICHLOROETHYLENE	10.642	95	2695	0.04	PPBV		87
56) 1,2-DICHLOROPROPANE	10.355	63	2118	0.04	PPBV		66
57) DIBROMOMETHANE	10.330	174	3225	0.05	PPBV		99
59) BROMODICHLOROMETHANE	10.593	83	4712	0.04	PPBV		89
60) 2,2,4-TRIMETHYLPENTANE	10.667	57	6773	0.03	PPBV	#	89
62) HEPTANE	11.027	43	2162	0.03	PPBV		91
65) cis-1,3-DICHLOROPROPENE	11.743	75	2285	0.03	PPBV		65
66) TOLUENE	12.967	92	3147	0.03	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:49 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

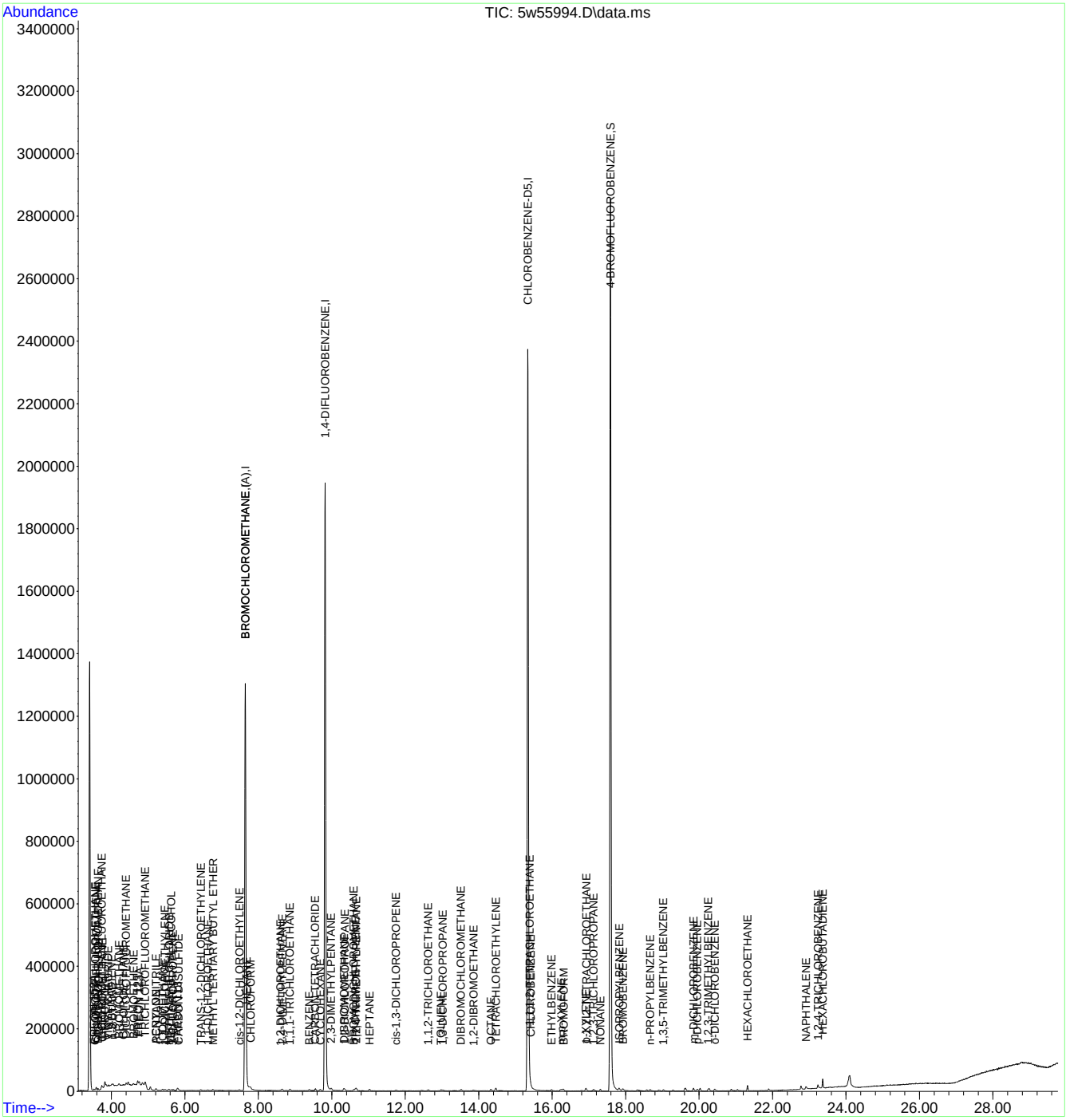
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
67) 1,3-DICHLOROPROPANE	13.022	76	2387	0.03	PPBV	#	73
69) 1,1,2-TRICHLOROETHANE	12.618	83	1687	0.03	PPBV		93
73) TETRACHLOROETHYLENE	14.472	164	2849	0.04	PPBV		92
74) DIBROMOCHLOROMETHANE	13.511	129	4116	0.03	PPBV		94
75) 1,2-DIBROMOETHANE	13.854	107	3270	0.04	PPBV	#	99
76) OCTANE	14.331	43	2989	0.03	PPBV		87
77) 1,1,1,2-TETRACHLOROETHANE	15.389	131	3162	0.04	PPBV		98
78) CHLOROBENZENE	15.414	112	5417	0.04	PPBV	#	51
79) ETHYLBENZENE	15.977	91	6346	0.03	PPBV		95
80) m,p-XYLENE	16.246	106	4381m	0.06	PPBV		
81) o-XYLENE	16.913	106	2014	0.03	PPBV	#	74
83) NONANE	17.310	43	2812	0.03	PPBV	#	79
84) BROMOFORM	16.313	173	4056	0.03	PPBV	#	91
86) 1,1,2,2-TETRACHLOROETHANE	16.931	83	4847	0.04	PPBV	#	93
87) 1,2,3-TRICHLOROPROPANE	17.121	75	3572	0.04	PPBV		92
88) ISOPROPYLBENZENE	17.824	105	7568	0.03	PPBV		97
89) BROMOBENZENE	17.928	77	3924	0.04	PPBV		92
91) n-PROPYLBENZENE	18.662	120	1753	0.03	PPBV	#	62
93) 1,3,5-TRIMETHYLBENZENE	19.023	105	5102	0.03	PPBV		96
97) m-DICHLOROBENZENE	19.843	146	5390	0.03	PPBV		93
99) p-DICHLOROBENZENE	19.947	146	5339	0.04	PPBV		86
101) 1,2,3-TRIMETHYLBENZENE	20.247	105	5183	0.03	PPBV	#	24
103) o-DICHLOROBENZENE	20.424	146	5189	0.04	PPBV		94
105) HEXACHLOROETHANE	21.317	117	3402	0.03	PPBV		95
106) HEXACHLOROBUTADIENE	23.367	225	5243	0.04	PPBV		96
107) 1,2,4-TRICHLOROBENZENE	23.238	180	6027	0.05	PPBV		90
108) NAPHTHALENE	22.908	128	13009	0.05	PPBV		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:49 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Manual Integration Approval Summary

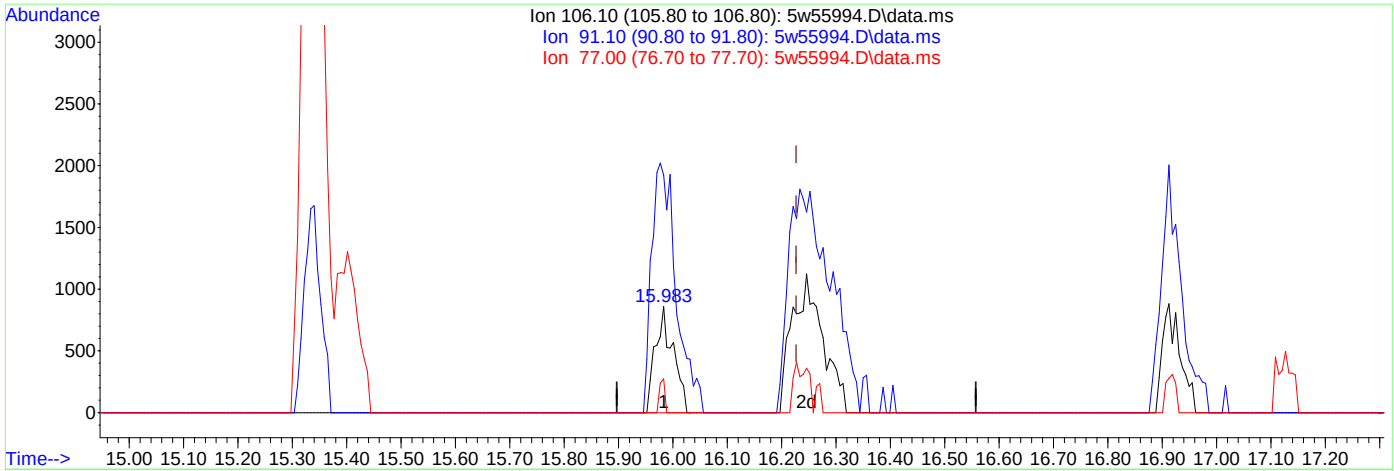
Sample Number:	V5W2144-IC2144	**Method:**	TO-15
Lab FileID:	5W55994.D	**Analyst approved:**	01/09/25 17:26 Thomas Hilbig
Injection Time:	01/09/25 00:36	**Supervisor approved:**	01/09/25 21:50 Kanya Veerawat

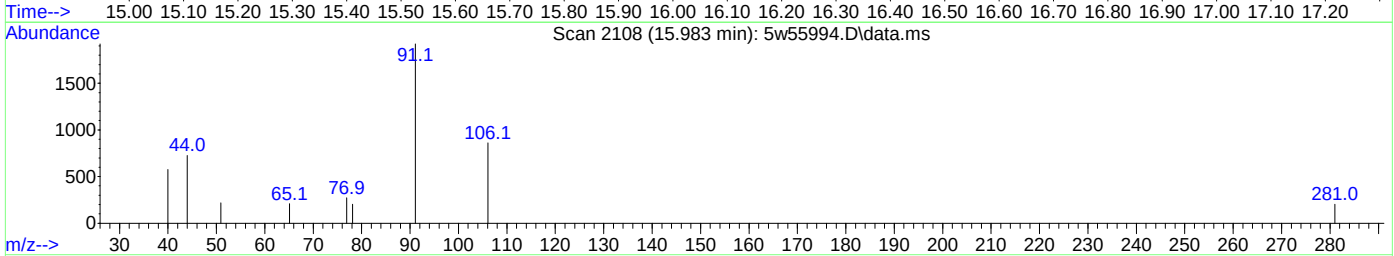
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			16.25	Missed peak

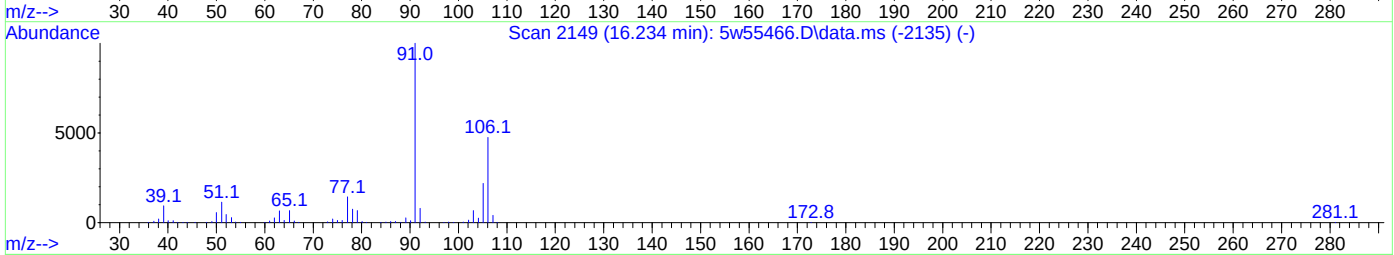
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:31:45 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration







TIC: 5w55994.D\data.ms

(80) m,p-XYLENE

15.983min (-0.245) 0.02PPBV

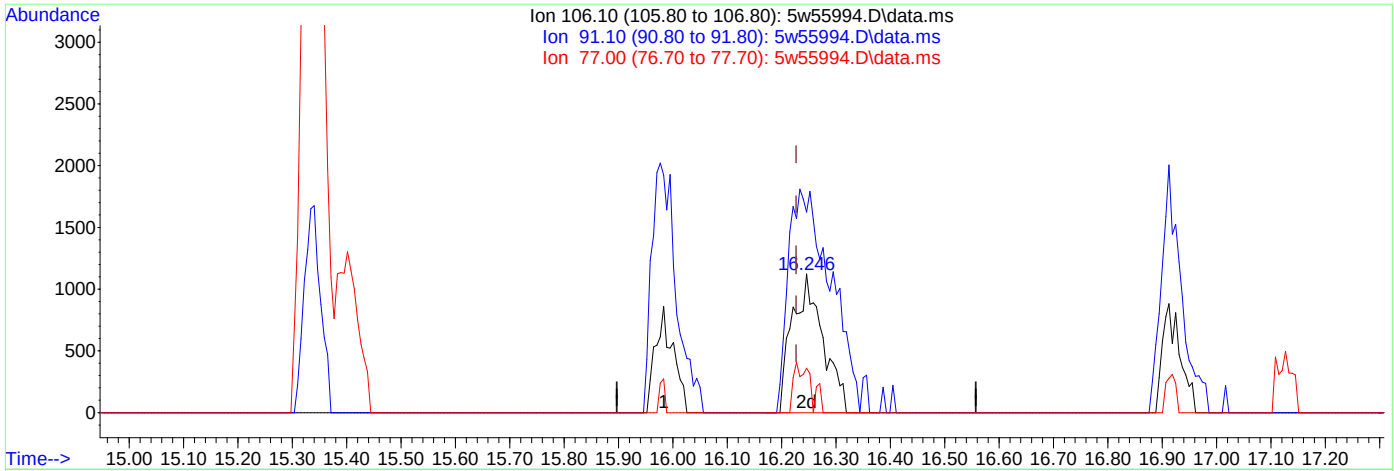
response 1950

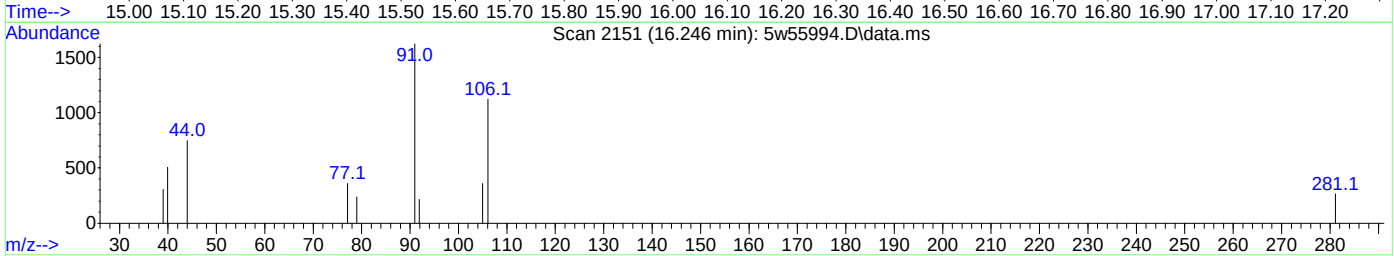
Ion	Exp%	Act%
106.10	100	100
91.10	198.70	223.60
77.00	27.90	31.74
0.00	0.00	0.00

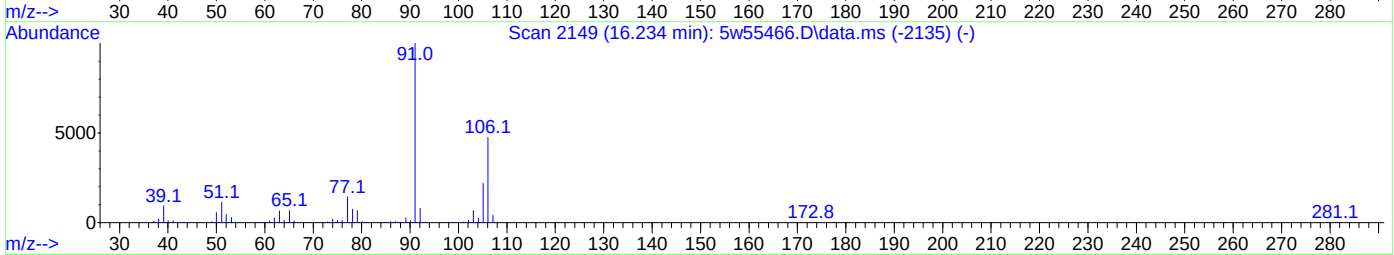
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55994.D
Acq On : 9 Jan 2025 12:36 am
Operator : thomash
Sample : ic2144-0.04
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:31:45 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration







TIC: 5w55994.D\data.ms

(80) m,p-XYLENE

16.246min (+0.018) 0.06PPBV m

response 4381

Ion	Exp%	Act%
106.10	100	100
91.10	198.70	144.74#
77.00	27.90	32.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/09/25 21:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:01:51 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.645	128	433255	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1918380	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.335	82	901402	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.645	128	433255	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1152670	10.56	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.60%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	3650	0.13	PPBV		91
4) CHLORODIFLUOROMETHANE	3.558	67	1532	0.10	PPBV		61
5) CHLOROTRIFLUOROETHENE	3.582	116	7165	0.10	PPBV		96
6) DICHLORODIFLUOROMETHANE	3.631	85	14944	0.10	PPBV		99
7) PROPYLENE	3.582	41	4514	0.13	PPBV		84
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	15855	0.11	PPBV		92
9) FREON 114	3.821	85	21716	0.12	PPBV		95
10) CHLOROMETHANE	3.754	52	2244	0.12	PPBV		92
11) VINYL CHLORIDE	3.913	62	7444	0.11	PPBV		94
12) 1,3-BUTADIENE	4.005	54	5295	0.12	PPBV	#	71
13) n-BUTANE	4.041	43	11150	0.13	PPBV	#	93
14) BROMOMETHANE	4.206	94	8211	0.12	PPBV		89
15) CHLOROETHANE	4.335	64	3509	0.13	PPBV		80
16) DICHLOROFLUOROMETHANE	4.402	67	17356	0.12	PPBV		92
17) ACETONITRILE	4.622	41	5969	0.12	PPBV	#	80
19) FREON 123	4.714	83	17789	0.12	PPBV		99
20) FREON 123A	4.751	117	10511	0.12	PPBV		87
21) TRICHLOROFLUOROMETHANE	4.916	101	19530	0.13	PPBV		98
24) PENTANE	5.210	42	5024	0.13	PPBV		91
25) IODOMETHANE	5.393	142	12927	0.10	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.454	96	4487	0.11	PPBV		94
27) CARBON DISULFIDE	5.834	76	12164	0.11	PPBV		76
29) BROMOETHENE	4.592	106	7330	0.11	PPBV		88
30) ACRYLONITRILE	5.204	52	3168	0.14	PPBV		87
31) METHYLENE CHLORIDE	5.565	84	4510	0.12	PPBV		98
32) 3-CHLOROPROPENE	5.675	76	1681	0.09	PPBV	#	62
33) FREON 113	5.791	151	7930	0.11	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.439	96	4415	0.10	PPBV		93
35) TERTIARY BUTYL ALCOHOL	5.607	59	6517	0.09	PPBV		89
36) METHYL TERTIARY BUTYL ...	6.751	73	9762	0.09	PPBV		91
37) TETRAHYDROFURAN	8.342	72	997	0.05	PPBV	#	40
38) HEXANE	7.687	57	5305	0.09	PPBV		82
40) 1,1-DICHLOROETHANE	6.629	63	7463	0.10	PPBV		98
41) METHYL ETHYL KETONE	7.161	72	1030	0.06	PPBV	#	35
42) cis-1,2-DICHLOROETHYLENE	7.479	96	4462	0.10	PPBV		98
43) DIISOPROPYL ETHER	7.742	59	1359	0.08	PPBV	#	69
46) CHLOROFORM	7.785	83	10941	0.11	PPBV		93
47) 2,4-DIMETHYLPENTANE	8.648	57	5536	0.08	PPBV		86
48) 1,1,1-TRICHLOROETHANE	8.862	97	10721	0.11	PPBV		99
49) CARBON TETRACHLORIDE	9.553	117	11441	0.10	PPBV		97
50) 1,2-DICHLOROETHANE	8.593	62	6119	0.10	PPBV	#	95
52) BENZENE	9.388	78	13309	0.11	PPBV		97
53) CYCLOHEXANE	9.682	84	4623	0.09	PPBV		94
54) 2,3-DIMETHYLPENTANE	9.988	71	2369	0.09	PPBV	#	80
55) TRICHLOROETHYLENE	10.642	95	6197	0.10	PPBV		99
56) 1,2-DICHLOROPROPANE	10.361	63	5058	0.10	PPBV		93
57) DIBROMOMETHANE	10.318	174	7095	0.11	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:01:51 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

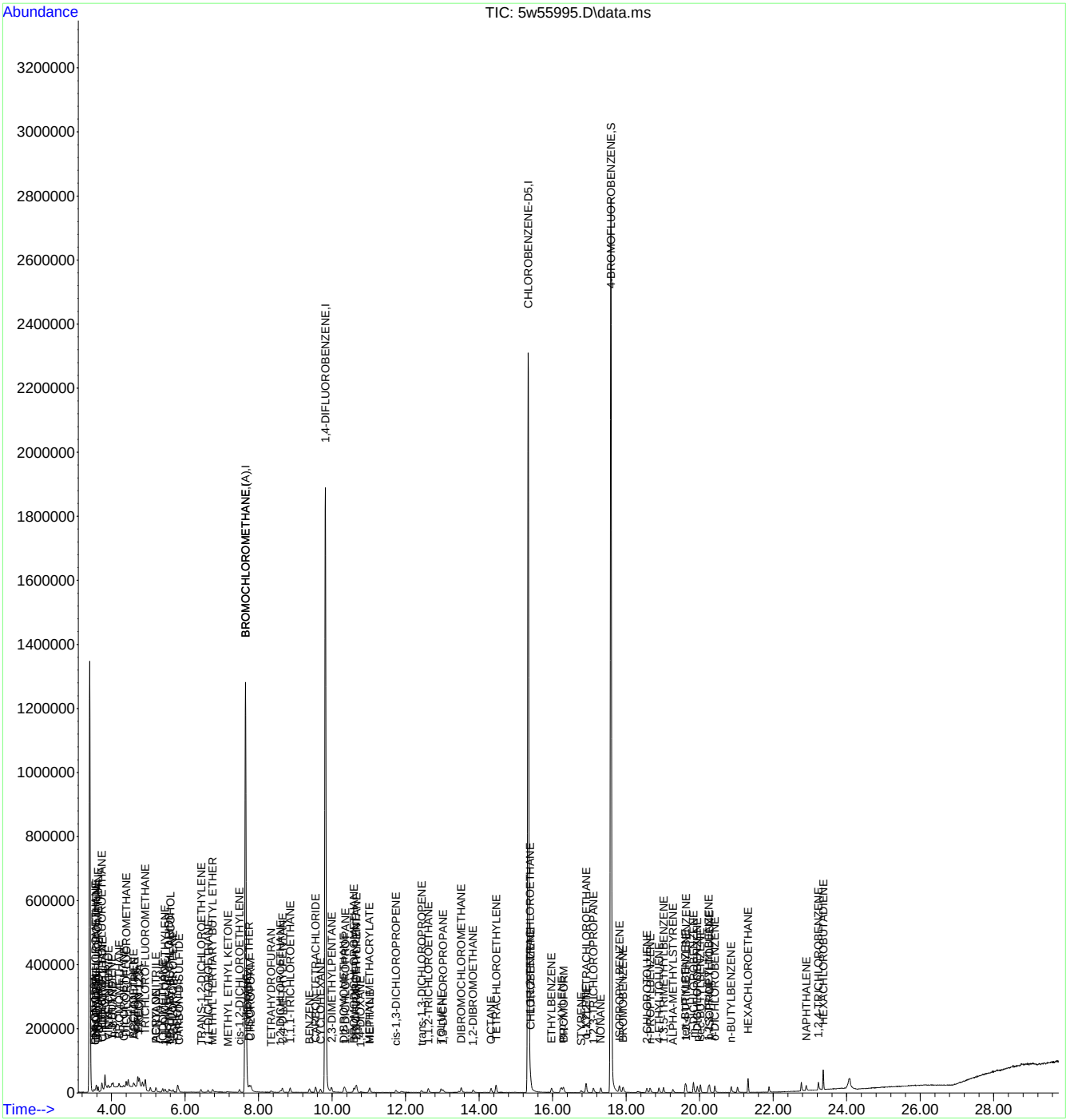
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
59)	BROMODICHLOROMETHANE	10.593	83	11411	0.10	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	17179	0.09	PPBV		96
61)	1,4-DIOXANE	10.777	88	2088	0.07	PPBV	#	1
62)	HEPTANE	11.022	43	6061	0.09	PPBV		96
63)	METHYL METHACRYLATE	11.009	69	2564	0.06	PPBV	#	1
65)	cis-1,3-DICHLOROPROPENE	11.737	75	6402	0.08	PPBV		87
66)	TOLUENE	12.967	92	7525	0.08	PPBV		94
67)	1,3-DICHLOROPROPANE	13.022	76	6941	0.09	PPBV	#	98
68)	trans-1,3-DICHLOROPROPENE	12.435	75	5660	0.07	PPBV		89
69)	1,1,2-TRICHLOROETHANE	12.618	83	5480	0.10	PPBV		91
73)	TETRACHLOROETHYLENE	14.466	164	7210	0.11	PPBV		95
74)	DIBROMOCHLOROMETHANE	13.505	129	11414	0.09	PPBV		95
75)	1,2-DIBROMOETHANE	13.830	107	8657	0.10	PPBV	#	98
76)	OCTANE	14.325	43	7208	0.08	PPBV		93
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	7961	0.10	PPBV		100
78)	CHLOROBENZENE	15.402	112	13954	0.11	PPBV		95
79)	ETHYLBENZENE	15.965	91	16779	0.09	PPBV		95
80)	m,p-XYLENE	16.246	106	11529	0.15	PPBV	#	82
81)	o-XYLENE	16.907	106	5508	0.07	PPBV		93
82)	STYRENE	16.778	104	7132	0.06	PPBV		94
83)	NONANE	17.304	43	7111	0.07	PPBV		95
84)	BROMOFORM	16.295	173	10191	0.08	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	13778	0.11	PPBV		97
87)	1,2,3-TRICHLOROPROPANE	17.115	75	9506	0.11	PPBV		95
88)	ISOPROPYLBENZENE	17.818	105	19384	0.09	PPBV		96
89)	BROMOBENZENE	17.910	77	10985	0.10	PPBV		91
90)	2-CHLOROTOLUENE	18.565	126	4604	0.08	PPBV		91
91)	n-PROPYLBENZENE	18.656	120	4267	0.07	PPBV		72
92)	4-ETHYLTOLUENE	18.889	105	15753m	0.07	PPBV		
93)	1,3,5-TRIMETHYLBENZENE	19.024	105	13725	0.08	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.274	118	5690	0.06	PPBV		95
95)	tert-BUTYLBENZENE	19.611	134	2934	0.07	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	13508	0.07	PPBV	#	31
97)	m-DICHLOROBENZENE	19.831	146	12842	0.08	PPBV		99
99)	p-DICHLOROBENZENE	19.935	146	13807	0.10	PPBV		96
100)	sec-BUTYLBENZENE	20.021	134	3746	0.07	PPBV		92
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	13896	0.07	PPBV	#	95
102)	p-ISOPROPYLTOLUENE	20.265	134	4014	0.07	PPBV	#	88
103)	o-DICHLOROBENZENE	20.412	146	12791	0.10	PPBV		98
104)	n-BUTYLBENZENE	20.859	134	3516	0.06	PPBV	#	75
105)	HEXACHLOROETHANE	21.318	117	9333	0.09	PPBV		97
106)	HEXACHLOROBUTADIENE	23.367	225	11703	0.09	PPBV		97
107)	1,2,4-TRICHLOROBENZENE	23.233	180	11258	0.10	PPBV		94
108)	NAPHTHALENE	22.902	128	21792	0.08	PPBV		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:01:51 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Manual Integration Approval Summary

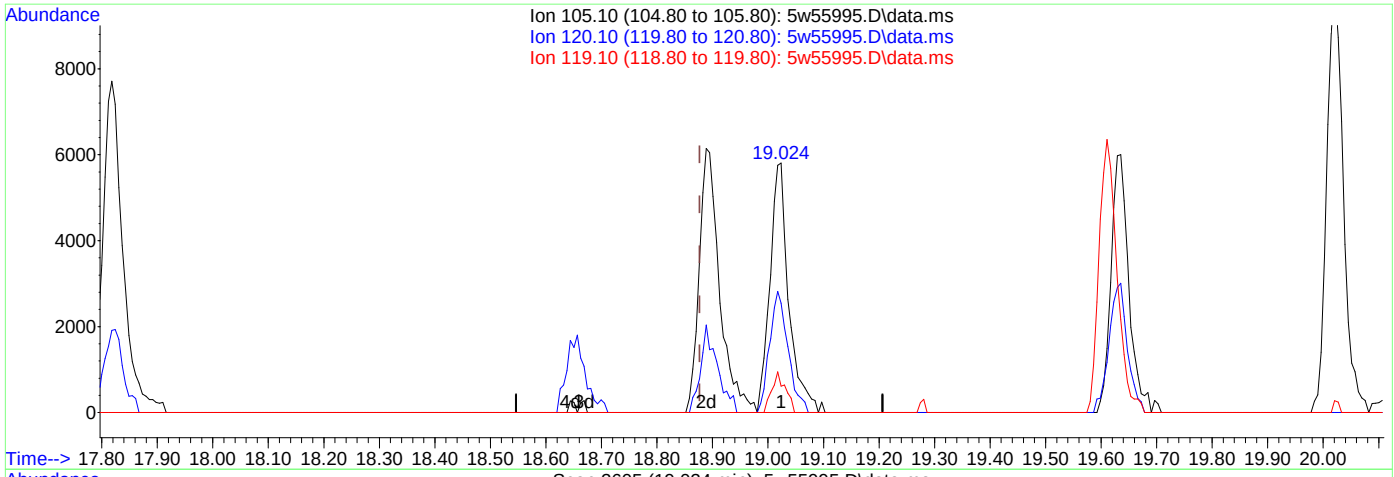
Sample Number:	V5W2144-IC2144	**Method:**	TO-15
Lab FileID:	5W55995.D	**Analyst approved:**	01/09/25 19:21 Thomas Hilbig
Injection Time:	01/09/25 01:16	**Supervisor approved:**	01/09/25 21:50 Kanya Veerawat

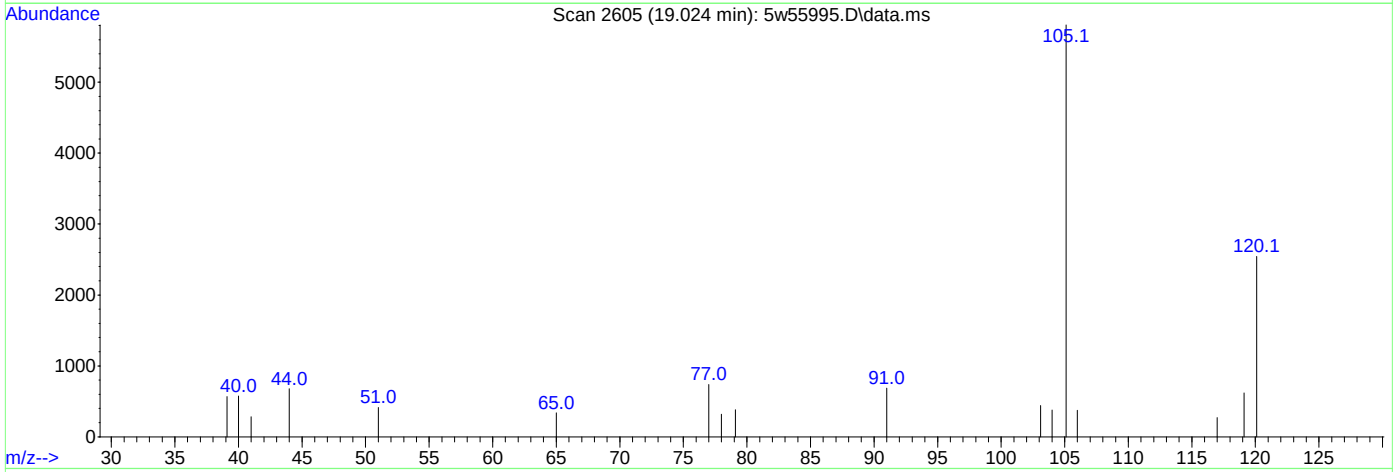
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Ethyltoluene	622-96-8		18.89	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:59 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration





TIC: 5w55995.D\data.ms

(92) 4-ETHYLTOLUENE

19.024min (+0.147) 0.06PPBV

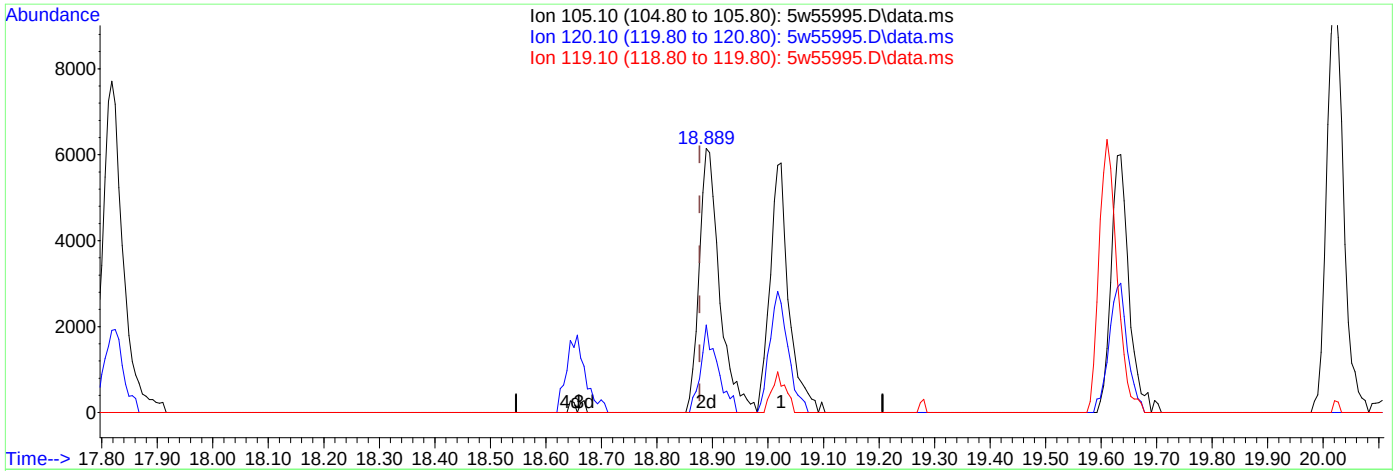
response 13725

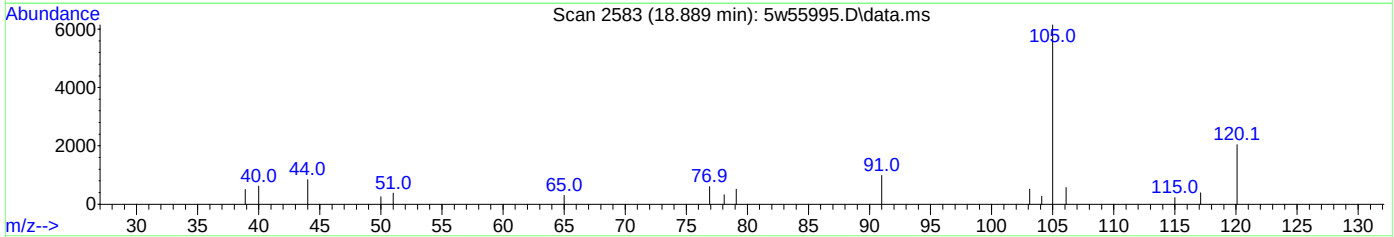
Ion	Exp%	Act%
105.10	100	100
120.10	30.00	47.44
119.10	2.30	11.77
0.00	0.00	0.00

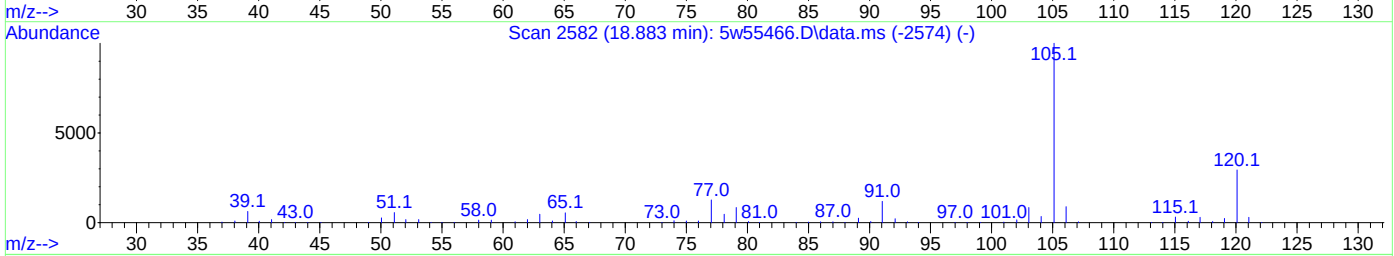
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55995.D
Acq On : 9 Jan 2025 1:16 am
Operator : thomash
Sample : ic2144-0.1
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:08:59 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration







TIC: 5w55995.D\data.ms

(92) 4-ETHYLTOLUENE

18.889min (+0.012) 0.07PPBV m

response 15753

Ion	Exp%	Act%
105.10	100	100
120.10	30.00	41.33
119.10	2.30	10.26
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.651	128	430146	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1898537	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.335	82	894261	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	430146	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1158429	10.70	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.00%				
Target Compounds							Qvalue
3) FREON 152A	3.534	65	6168	0.22	PPBV		91
4) CHLORODIFLUOROMETHANE	3.570	67	2932	0.20	PPBV		96
5) CHLOROTRIFLUOROETHENE	3.595	116	14560	0.20	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.644	85	30332	0.21	PPBV		100
7) PROPYLENE	3.589	41	7548	0.22	PPBV		89
8) 1-CHLORO-1,1-DIFLUOROE...	3.742	65	32151	0.22	PPBV		95
9) FREON 114	3.827	85	43523	0.23	PPBV		95
10) CHLOROMETHANE	3.760	52	4413	0.24	PPBV		98
11) VINYL CHLORIDE	3.919	62	14573	0.23	PPBV		96
12) 1,3-BUTADIENE	4.017	54	10010	0.24	PPBV		86
13) n-BUTANE	4.054	43	23212	0.28	PPBV	#	93
14) BROMOMETHANE	4.219	94	15513	0.23	PPBV		90
15) CHLOROETHANE	4.341	64	6633	0.24	PPBV		91
16) DICHLOROFLUOROMETHANE	4.408	67	33297	0.24	PPBV		98
17) ACETONITRILE	4.629	41	14458	0.29	PPBV		92
18) ACROLEIN	4.720	56	6230	0.28	PPBV	#	4
19) FREON 123	4.720	83	35230	0.23	PPBV		98
20) FREON 123A	4.763	117	20311	0.24	PPBV		87
21) TRICHLOROFLUOROMETHANE	4.928	101	30110	0.20	PPBV		99
22) ISOPROPYL ALCOHOL	5.057	45	25111	0.34	PPBV		87
23) ACETONE	4.843	58	8402	0.35	PPBV	#	70
24) PENTANE	5.216	42	9302	0.24	PPBV		96
25) IODOMETHANE	5.406	142	25561	0.21	PPBV		97
26) 1,1-DICHLOROETHYLENE	5.467	96	8707	0.22	PPBV		94
27) CARBON DISULFIDE	5.840	76	25423	0.22	PPBV		85
29) BROMOETHENE	4.604	106	14423	0.22	PPBV		96
30) ACRYLONITRILE	5.216	52	7003	0.31	PPBV		98
31) METHYLENE CHLORIDE	5.577	84	8794	0.24	PPBV		98
32) 3-CHLOROPROPENE	5.681	76	3873	0.21	PPBV		90
33) FREON 113	5.809	151	16242	0.22	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.433	96	9097	0.22	PPBV		97
35) TERTIARY BUTYL ALCOHOL	5.607	59	13183	0.18	PPBV		85
36) METHYL TERTIARY BUTYL ...	6.751	73	20340	0.19	PPBV		93
37) TETRAHYDROFURAN	8.318	72	2510	0.14	PPBV	#	67
38) HEXANE	7.687	57	10819	0.18	PPBV		90
39) VINYL ACETATE	6.825	86	449	0.06	PPBV	#	1
40) 1,1-DICHLOROETHANE	6.635	63	15670	0.22	PPBV		99
41) METHYL ETHYL KETONE	7.125	72	2726	0.15	PPBV	#	72
42) cis-1,2-DICHLOROETHYLENE	7.486	96	9388	0.21	PPBV		94
43) DIISOPROPYL ETHER	7.749	59	3117	0.18	PPBV		98
44) ETHYL ACETATE	7.804	61	1830	0.14	PPBV	#	37
45) METHYL ACRYLATE	7.779	55	10050m	0.14	PPBV		
46) CHLOROFORM	7.798	83	21741	0.23	PPBV		90
47) 2,4-DIMETHYLPENTANE	8.648	57	11533	0.17	PPBV		88
48) 1,1,1-TRICHLOROETHANE	8.862	97	21758	0.22	PPBV		98
49) CARBON TETRACHLORIDE	9.553	117	23203	0.21	PPBV		99
50) 1,2-DICHLOROETHANE	8.599	62	13059	0.22	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	BENZENE	9.388	78	25585	0.21	PPBV		99
53)	CYCLOHEXANE	9.682	84	8785	0.17	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.988	71	5117	0.20	PPBV		94
55)	TRICHLOROETHYLENE	10.642	95	12186	0.19	PPBV		98
56)	1,2-DICHLOROPROPANE	10.355	63	9729	0.20	PPBV		98
57)	DIBROMOMETHANE	10.330	174	14121	0.21	PPBV		97
58)	ETHYL ACRYLATE	10.477	55	11040	0.12	PPBV	#	82
59)	BROMODICHLOROMETHANE	10.593	83	23424	0.20	PPBV		92
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	32971	0.18	PPBV		94
61)	1,4-DIOXANE	10.765	88	4325	0.14	PPBV	#	1
62)	HEPTANE	11.022	43	12467	0.18	PPBV		97
63)	METHYL METHACRYLATE	10.979	69	6268	0.14	PPBV	#	64
64)	METHYL ISOBUTYL KETONE	11.860	58	4258	0.12	PPBV	#	60
65)	cis-1,3-DICHLOROPROPENE	11.731	75	13102	0.16	PPBV		89
66)	TOLUENE	12.961	92	15243	0.16	PPBV		97
67)	1,3-DICHLOROPROPANE	13.022	76	14414	0.18	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.423	75	11037	0.14	PPBV		90
69)	1,1,2-TRICHLOROETHANE	12.618	83	10655	0.20	PPBV		97
71)	2-HEXANONE	13.438	58	3862	0.08	PPBV	#	29
72)	ETHYL METHACRYLATE	13.426	69	8311	0.11	PPBV		94
73)	TETRACHLOROETHYLENE	14.460	164	14147	0.22	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.512	129	23704	0.20	PPBV		96
75)	1,2-DIBROMOETHANE	13.830	107	18318	0.20	PPBV		97
76)	OCTANE	14.325	43	14928	0.16	PPBV		93
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	15844	0.21	PPBV		98
78)	CHLOROBENZENE	15.402	112	28951	0.23	PPBV		96
79)	ETHYLBENZENE	15.965	91	33131	0.18	PPBV		98
80)	m,p-XYLENE	16.234	106	24603	0.32	PPBV		96
81)	o-XYLENE	16.901	106	11814	0.16	PPBV		94
82)	STYRENE	16.772	104	15130	0.13	PPBV		98
83)	NONANE	17.304	43	15302	0.16	PPBV		99
84)	BROMOFORM	16.295	173	22128	0.18	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	27500	0.21	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.103	75	18951	0.22	PPBV		98
88)	ISOPROPYLBENZENE	17.812	105	38756	0.18	PPBV		98
89)	BROMOBENZENE	17.916	77	21469	0.20	PPBV		95
90)	2-CHLOROTOLUENE	18.552	126	9449	0.16	PPBV		97
91)	n-PROPYLBENZENE	18.644	120	9127	0.15	PPBV		99
92)	4-ETHYLTOLUENE	18.883	105	33181	0.15	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	29448	0.16	PPBV		96
94)	ALPHA-METHYLSTYRENE	19.268	118	11835	0.12	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	6084	0.14	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	28844	0.15	PPBV		99
97)	m-DICHLOROBENZENE	19.831	146	26957	0.18	PPBV		98
98)	BENZYL CHLORIDE	19.819	91	26223	0.14	PPBV		97
99)	p-DICHLOROBENZENE	19.929	146	27136	0.20	PPBV		98
100)	sec-BUTYLBENZENE	20.015	134	8151	0.16	PPBV	#	88
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	29770	0.15	PPBV	#	98
102)	p-ISOPROPYLTOLUENE	20.265	134	9403	0.16	PPBV		96
103)	o-DICHLOROBENZENE	20.412	146	26574	0.20	PPBV		98
104)	n-BUTYLBENZENE	20.859	134	7862	0.13	PPBV	#	83
105)	HEXACHLOROETHANE	21.318	117	18373	0.19	PPBV		97
106)	HEXACHLOROBUTADIENE	23.367	225	23529	0.18	PPBV		96
107)	1,2,4-TRICHLOROBENZENE	23.233	180	20813	0.18	PPBV		98
108)	NAPHTHALENE	22.896	128	42291	0.15	PPBV		98
110)	TVHC as equiv Pentane	5.216	TIC	63670	0.25	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

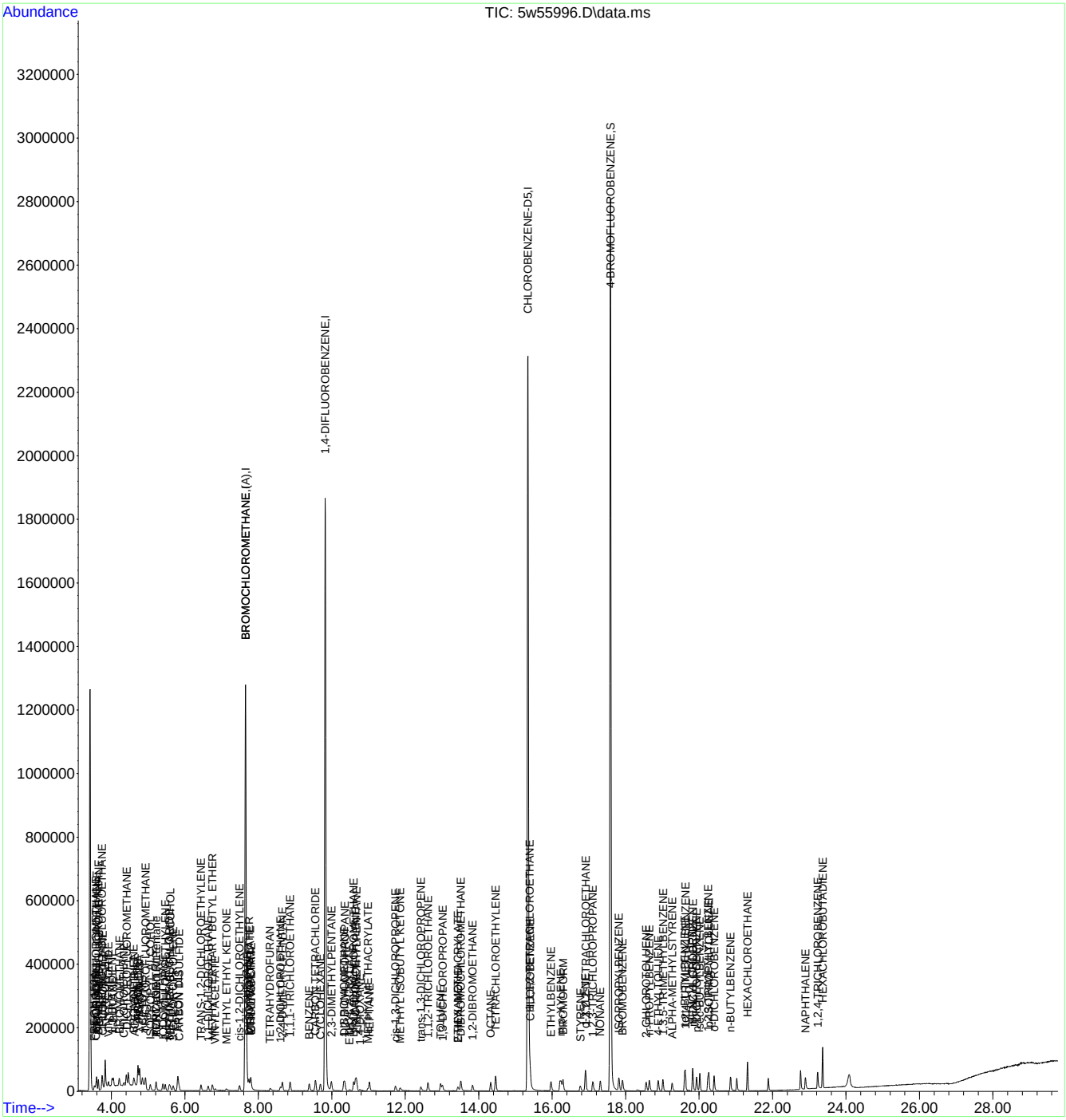
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

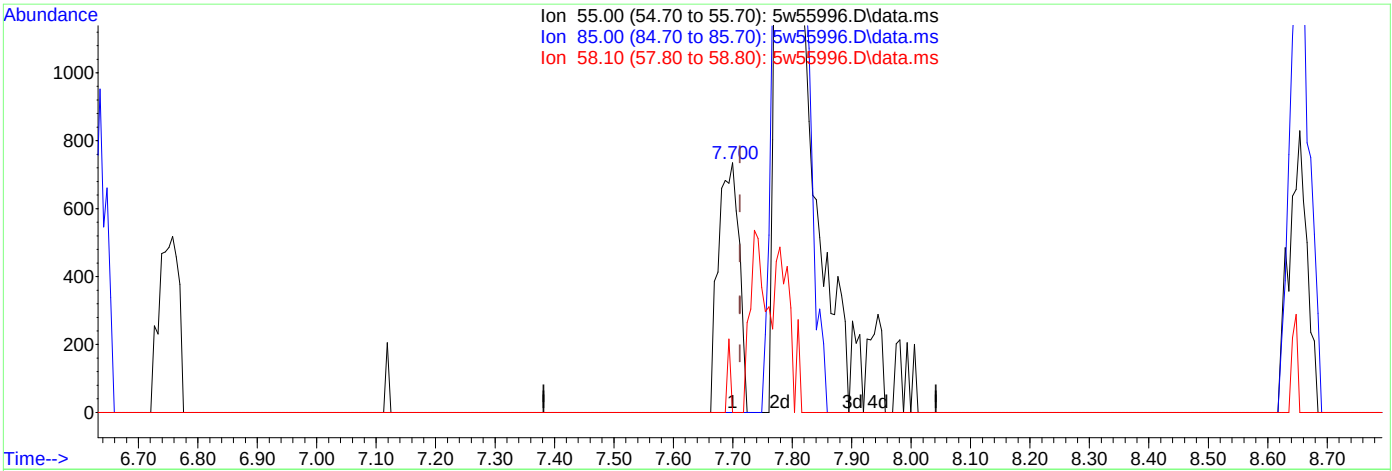
Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

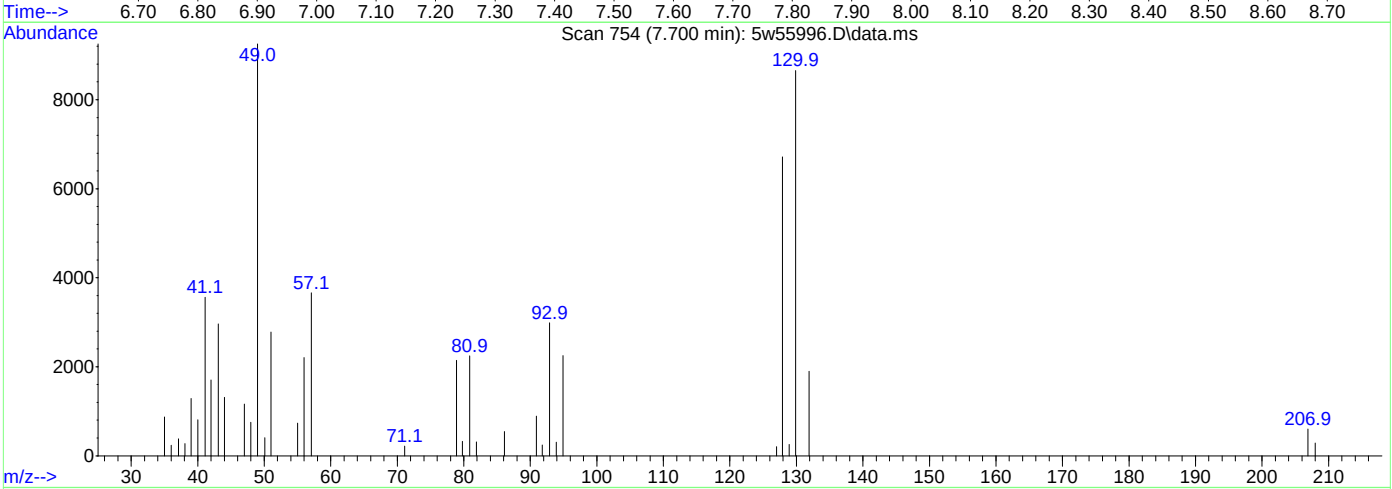


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:31:18 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration





TIC: 5w55996.D\data.ms

(45) METHYL ACRYLATE

7.700min (-0.012) 0.02PPBV

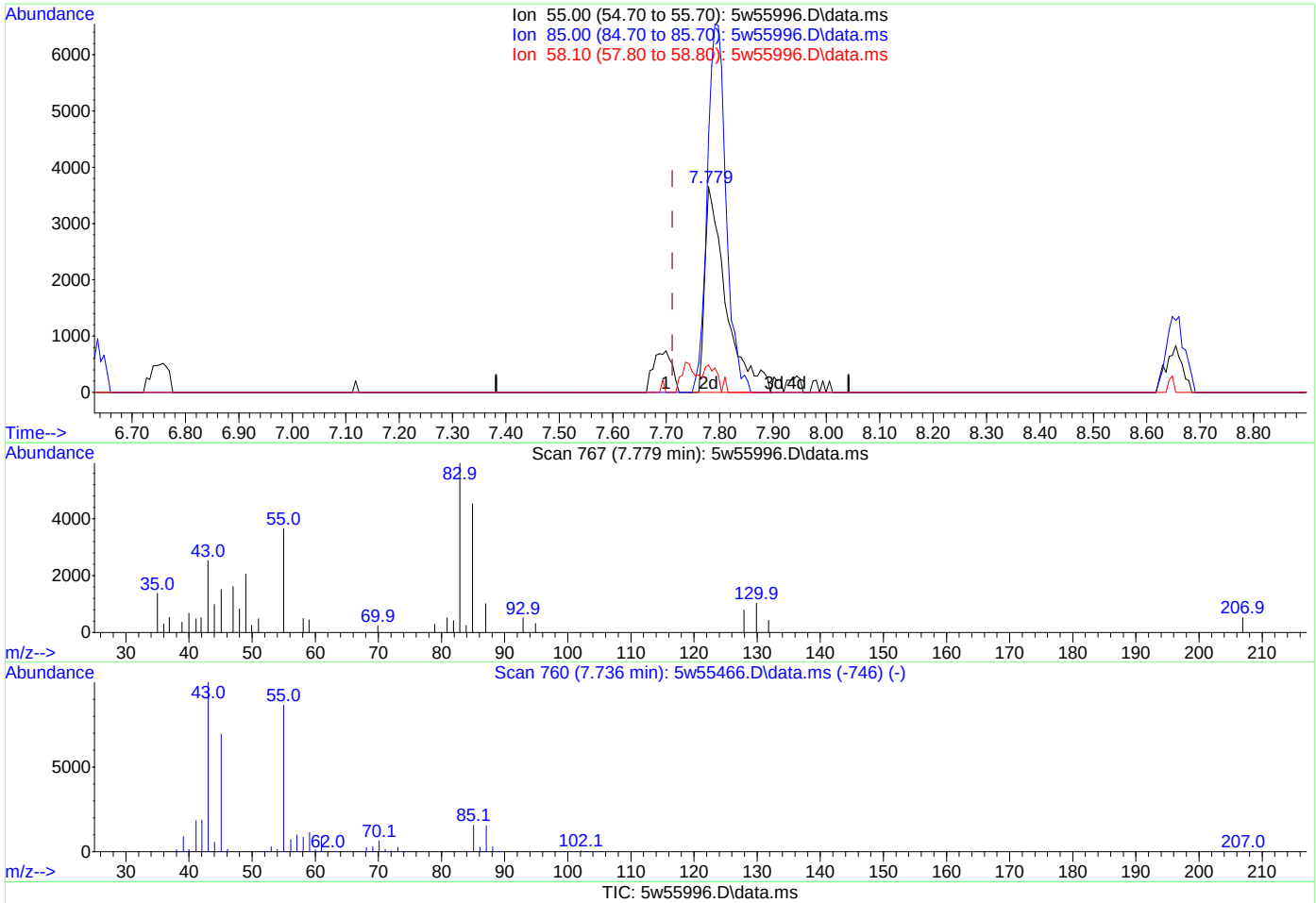
response 1784

Ion	Exp%	Act%
55.00	100	100
85.00	16.90	0.00#
58.10	13.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55996.D
Acq On : 9 Jan 2025 1:59 am
Operator : thomash
Sample : ic2144-0.2
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:09 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



TIC: 5w55996.D\data.ms

(45) METHYL ACRYLATE

7.779min (+0.067) 0.14PPBV m

response 10050

Ion	Exp%	Act%
55.00	100	100
85.00	16.90	0.00#
58.10	13.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.651	128	412314	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1823891	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	913003	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	412314	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1161846	10.51	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.10%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	147367	5.41	PPBV		100
4) CHLORODIFLUOROMETHANE	3.558	67	73198	5.27	PPBV		97
5) CHLOROTRIFLUOROETHENE	3.588	116	364587	5.26	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.631	85	733551	5.39	PPBV		100
7) PROPYLENE	3.582	41	178796	5.42	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	756226	5.48	PPBV		100
9) FREON 114	3.821	85	1036757	5.83	PPBV		99
10) CHLOROMETHANE	3.754	52	95845	5.37	PPBV		99
11) VINYL CHLORIDE	3.913	62	337433	5.44	PPBV		100
12) 1,3-BUTADIENE	4.011	54	227101	5.62	PPBV		98
13) n-BUTANE	4.041	43	462829	5.73	PPBV		98
14) BROMOMETHANE	4.206	94	358674	5.54	PPBV		99
15) CHLOROETHANE	4.335	64	145882	5.55	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	742212	5.59	PPBV		100
17) ACETONITRILE	4.598	41	257626	5.36	PPBV		99
18) ACROLEIN	4.696	56	116734	5.44	PPBV		100
19) FREON 123	4.714	83	815033	5.64	PPBV		100
20) FREON 123A	4.757	117	475455	5.81	PPBV		98
21) TRICHLOROFLUOROMETHANE	4.922	101	789105	5.60	PPBV		100
22) ISOPROPYL ALCOHOL	5.008	45	401918	5.62	PPBV		100
23) ACETONE	4.806	58	129044	5.64	PPBV		99
24) PENTANE	5.210	42	209310	5.64	PPBV		100
25) IODOMETHANE	5.393	142	651862	5.55	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.460	96	204770	5.46	PPBV		100
27) CARBON DISULFIDE	5.828	76	605414	5.56	PPBV		100
28) ETHANOL	4.433	45	165389	5.43	PPBV		98
29) BROMOETHENE	4.598	106	341504	5.45	PPBV		99
30) ACRYLONITRILE	5.185	52	123794	5.71	PPBV		99
31) METHYLENE CHLORIDE	5.571	84	194110	5.51	PPBV		99
32) 3-CHLOROPROPENE	5.675	76	94602	5.33	PPBV		99
33) FREON 113	5.797	151	374705	5.37	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.433	96	212538	5.29	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.534	59	345988	5.03	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.696	73	553361	5.41	PPBV		99
37) TETRAHYDROFURAN	8.232	72	91212	5.20	PPBV		98
38) HEXANE	7.687	57	300652	5.36	PPBV		100
39) VINYL ACETATE	6.788	86	35480	4.94	PPBV		99
40) 1,1-DICHLOROETHANE	6.629	63	383811	5.57	PPBV		99
41) METHYL ETHYL KETONE	7.045	72	93452	5.25	PPBV		91
42) cis-1,2-DICHLOROETHYLENE	7.479	96	227374	5.38	PPBV		100
43) DIISOPROPYL ETHER	7.700	59	90544	5.34	PPBV		99
44) ETHYL ACETATE	7.736	61	67378	5.32	PPBV	#	37
45) METHYL ACRYLATE	7.718	55	376177	5.39	PPBV		99
46) CHLOROFORM	7.791	83	508420	5.58	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.648	57	341579	5.33	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.862	97	522398	5.48	PPBV		100
49) CARBON TETRACHLORIDE	9.547	117	579909	5.42	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	318794	5.55	PPBV		100
52)	BENZENE	9.382	78	649530	5.45	PPBV		100
53)	CYCLOHEXANE	9.682	84	260380	5.32	PPBV		100
54)	2,3-DIMETHYLPENTANE	9.981	71	131512	5.28	PPBV		98
55)	TRICHLOROETHYLENE	10.636	95	322438	5.24	PPBV		98
56)	1,2-DICHLOROPROPANE	10.349	63	243198	5.19	PPBV		100
57)	DIBROMOMETHANE	10.318	174	322389	5.10	PPBV		99
58)	ETHYL ACRYLATE	10.404	55	440559	5.14	PPBV		99
59)	BROMODICHLOROMETHANE	10.593	83	579609	5.22	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	982090	5.43	PPBV		99
61)	1,4-DIOXANE	10.667	88	155888	5.21	PPBV	#	2
62)	HEPTANE	11.015	43	367798	5.48	PPBV		100
63)	METHYL METHACRYLATE	10.930	69	222562	5.29	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	184975	5.26	PPBV		99
65)	cis-1,3-DICHLOROPROPENE	11.719	75	412958	5.12	PPBV		99
66)	TOLUENE	12.949	92	470931	5.14	PPBV		100
67)	1,3-DICHLOROPROPANE	12.998	76	404826	5.29	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.398	75	365946	4.83	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.600	83	269453	5.22	PPBV		99
71)	2-HEXANONE	13.358	58	262116	5.27	PPBV		99
72)	ETHYL METHACRYLATE	13.383	69	392468	5.31	PPBV		100
73)	TETRACHLOROETHYLENE	14.460	164	365226	5.55	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.499	129	660391	5.33	PPBV		100
75)	1,2-DIBROMOETHANE	13.811	107	518669	5.64	PPBV		100
76)	OCTANE	14.319	43	520317	5.56	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	430775	5.49	PPBV		100
78)	CHLOROBENZENE	15.402	112	713863	5.56	PPBV		99
79)	ETHYLBENZENE	15.952	91	1061200	5.54	PPBV		100
80)	m,p-XYLENE	16.203	106	851106	10.92	PPBV		98
81)	o-XYLENE	16.895	106	420847	5.57	PPBV		100
82)	STYRENE	16.748	104	629370	5.48	PPBV		100
83)	NONANE	17.304	43	559046	5.65	PPBV		100
84)	BROMOFORM	16.283	173	666046	5.39	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	741833	5.66	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	495808	5.62	PPBV		99
88)	ISOPROPYLBENZENE	17.806	105	1216916	5.41	PPBV		100
89)	BROMOBENZENE	17.904	77	587922	5.42	PPBV		100
90)	2-CHLOROTOLUENE	18.540	126	324472	5.26	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	345102	5.46	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	1265802	5.69	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1036803	5.64	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.250	118	525122	5.24	PPBV		100
95)	tert-BUTYLBENZENE	19.605	134	237321	5.48	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1113528	5.62	PPBV		99
97)	m-DICHLOROBENZENE	19.813	146	817473	5.33	PPBV		100
98)	BENZYL CHLORIDE	19.807	91	974591	5.18	PPBV		100
99)	p-DICHLOROBENZENE	19.917	146	819621	5.78	PPBV		100
100)	sec-BUTYLBENZENE	20.015	134	294921	5.70	PPBV		98
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	1091752	5.51	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.259	134	340447	5.60	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	768393	5.64	PPBV		100
104)	n-BUTYLBENZENE	20.847	134	329180	5.49	PPBV		97
105)	HEXACHLOROETHANE	21.311	117	564398	5.62	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	694231	5.31	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.220	180	675748	5.66	PPBV		99
108)	NAPHTHALENE	22.884	128	1584395	5.64	PPBV		99
110)	TVHC as equiv Pentane	5.210	TIC	1367858	5.66	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

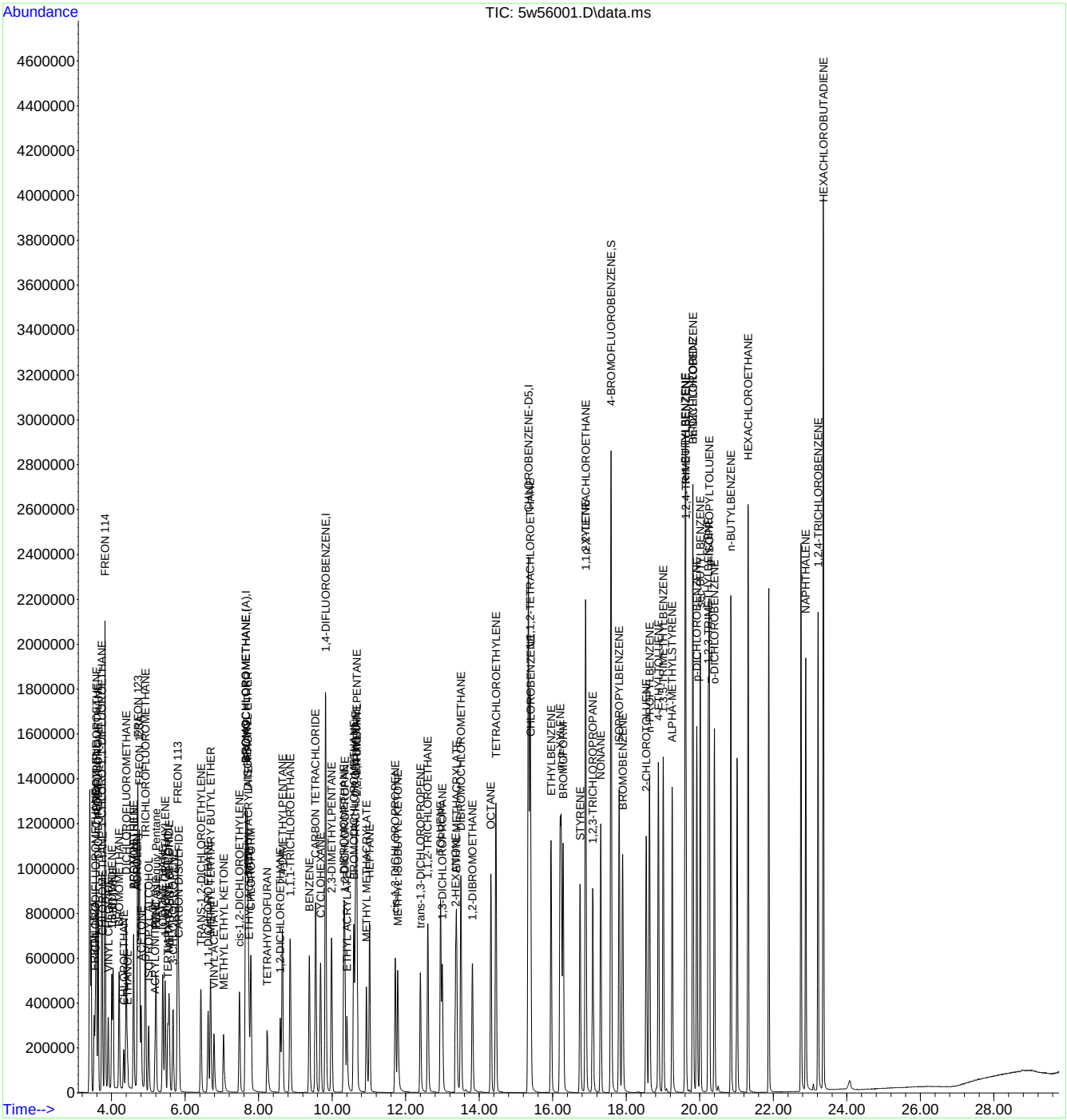
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56001.D
Acq On : 9 Jan 2025 5:39 am
Operator : thomash
Sample : ic2144-5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56002.D
Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.651	128	422761	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1839130	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	963498	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	422761	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1166724	10.00	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	298738	10.70	PPBV		100
4) CHLORODIFLUOROMETHANE	3.558	67	150918	10.60	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.589	116	746749	10.50	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.637	85	1479774	10.60	PPBV		100
7) PROPYLENE	3.582	41	368919	10.90	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	1498517	10.60	PPBV		100
9) FREON 114	3.821	85	2005371	10.99	PPBV		100
10) CHLOROMETHANE	3.754	52	190178	10.39	PPBV		100
11) VINYL CHLORIDE	3.913	62	655318	10.30	PPBV		100
12) 1,3-BUTADIENE	4.011	54	447772	10.80	PPBV		100
13) n-BUTANE	4.047	43	895125	10.80	PPBV		100
14) BROMOMETHANE	4.206	94	696439	10.50	PPBV		100
15) CHLOROETHANE	4.335	64	280517	10.40	PPBV		100
16) DICHLOROFLUOROMETHANE	4.402	67	1444162	10.60	PPBV		100
17) ACETONITRILE	4.598	41	498004	10.10	PPBV		100
18) ACROLEIN	4.690	56	231198	10.50	PPBV		100
19) FREON 123	4.714	83	1571602	10.60	PPBV		100
20) FREON 123A	4.757	117	923738	11.00	PPBV		100
21) TRICHLOROFLUOROMETHANE	4.922	101	1531008	10.60	PPBV		100
22) ISOPROPYL ALCOHOL	5.002	45	777527	10.60	PPBV		100
23) ACETONE	4.800	58	241823	10.30	PPBV		100
24) PENTANE	5.210	42	414960	10.90	PPBV		100
25) IODOMETHANE	5.393	142	1325853	11.00	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.461	96	411238	10.70	PPBV		100
27) CARBON DISULFIDE	5.828	76	1183086	10.60	PPBV		100
28) ETHANOL	4.433	45	318822	10.20	PPBV		100
29) BROMOETHENE	4.598	106	680782	10.60	PPBV		100
30) ACRYLONITRILE	5.179	52	244700	11.00	PPBV		100
31) METHYLENE CHLORIDE	5.571	84	379289	10.50	PPBV		100
32) 3-CHLOROPROPENE	5.675	76	191153	10.50	PPBV		100
33) FREON 113	5.797	151	757780	10.60	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.433	96	432868	10.50	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.522	59	698387	9.90	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.690	73	1131934	10.80	PPBV		100
37) TETRAHYDROFURAN	8.220	72	188928	10.50	PPBV		100
38) HEXANE	7.687	57	620861	10.80	PPBV		100
39) VINYL ACETATE	6.788	86	76560	10.40	PPBV		100
40) 1,1-DICHLOROETHANE	6.629	63	755460	10.70	PPBV		100
41) METHYL ETHYL KETONE	7.033	72	197254	10.80	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.479	96	463328	10.70	PPBV		100
43) DIISOPROPYL ETHER	7.694	59	187665	10.80	PPBV		100
44) ETHYL ACETATE	7.730	61	140285	10.80	PPBV	#	100
45) METHYL ACRYLATE	7.712	55	773419	10.80	PPBV		100
46) CHLOROFORM	7.791	83	1008146	10.80	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.648	57	709986	10.80	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.862	97	1055519	10.80	PPBV		100
49) CARBON TETRACHLORIDE	9.553	117	1185503	10.80	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56002.D
Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	8.587	62	642533	10.90	PPBV		100
52) BENZENE	9.382	78	1322291	11.00	PPBV		100
53) CYCLOHEXANE	9.682	84	537413	10.90	PPBV		100
54) 2,3-DIMETHYLPENTANE	9.988	71	271223	10.80	PPBV		100
55) TRICHLOROETHYLENE	10.636	95	651555	10.50	PPBV		100
56) 1,2-DICHLOROPROPANE	10.349	63	495856	10.50	PPBV		100
57) DIBROMOMETHANE	10.324	174	669261	10.50	PPBV		100
58) ETHYL ACRYLATE	10.398	55	924473	10.70	PPBV		100
59) BROMODICHLOROMETHANE	10.593	83	1176185	10.50	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.673	57	1970368	10.80	PPBV		100
61) 1,4-DIOXANE	10.654	88	316825	10.50	PPBV		100
62) HEPTANE	11.015	43	744135	11.00	PPBV		100
63) METHYL METHACRYLATE	10.924	69	462703	10.90	PPBV		100
64) METHYL ISOBUTYL KETONE	11.774	58	383163	10.80	PPBV		100
65) cis-1,3-DICHLOROPROPENE	11.719	75	869909	10.70	PPBV		100
66) TOLUENE	12.949	92	979572	10.60	PPBV		100
67) 1,3-DICHLOROPROPANE	12.998	76	817699	10.60	PPBV	#	100
68) trans-1,3-DICHLOROPROPENE	12.398	75	779160	10.20	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.600	83	556460	10.70	PPBV		100
71) 2-HEXANONE	13.346	58	556523	10.60	PPBV		100
72) ETHYL METHACRYLATE	13.383	69	818718	10.50	PPBV		100
73) TETRACHLOROETHYLENE	14.460	164	756622	10.90	PPBV		100
74) DIBROMOCHLOROMETHANE	13.499	129	1371699	10.50	PPBV		100
75) 1,2-DIBROMOETHANE	13.817	107	1068453	11.00	PPBV		100
76) OCTANE	14.319	43	1075669	10.90	PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	15.383	131	893580	10.80	PPBV		100
78) CHLOROBENZENE	15.402	112	1462615	10.80	PPBV		100
79) ETHYLBENZENE	15.952	91	2223019	11.00	PPBV		100
80) m,p-XYLENE	16.228	106	1759365	21.40	PPBV		100
81) o-XYLENE	16.895	106	869205	10.90	PPBV		100
82) STYRENE	16.748	104	1332935	11.00	PPBV		100
83) NONANE	17.304	43	1138299	10.90	PPBV		100
84) BROMOFORM	16.283	173	1394970	10.70	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	16.901	83	1507279	10.90	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	17.090	75	987407	10.60	PPBV		100
88) ISOPROPYLBENZENE	17.806	105	2518077	10.60	PPBV		100
89) BROMOBENZENE	17.904	77	1190270	10.40	PPBV		100
90) 2-CHLOROTOLUENE	18.540	126	670614	10.30	PPBV		100
91) n-PROPYLBENZENE	18.632	120	707147	10.60	PPBV		100
92) 4-ETHYLTOLUENE	18.877	105	2559736	10.90	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	19.005	105	2112853	10.90	PPBV		100
94) ALPHA-METHYLSTYRENE	19.250	118	1100478	10.40	PPBV		100
95) tert-BUTYLBENZENE	19.611	134	502702	11.00	PPBV		100
96) 1,2,4-TRIMETHYLBENZENE	19.623	105	2298628	11.00	PPBV		100
97) m-DICHLOROBENZENE	19.813	146	1684864	10.40	PPBV		100
98) BENZYL CHLORIDE	19.807	91	2064361	10.40	PPBV		100
99) p-DICHLOROBENZENE	19.917	146	1632260	10.90	PPBV		100
100) sec-BUTYLBENZENE	20.015	134	595022	10.90	PPBV		100
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	2238862	10.70	PPBV	#	100
102) p-ISOPROPYLTOLUENE	20.259	134	693362	10.80	PPBV		100
103) o-DICHLOROBENZENE	20.400	146	1538697	10.70	PPBV		100
104) n-BUTYLBENZENE	20.853	134	683987	10.80	PPBV		100
105) HEXACHLOROETHANE	21.318	117	1165477	11.00	PPBV		100
106) HEXACHLOROBUTADIENE	23.367	225	1488828	10.80	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	23.220	180	1373791	10.90	PPBV		100
108) NAPHTHALENE	22.884	128	3232806	10.90	PPBV		100
110) TVHC as equiv Pentane	5.210	TIC	2702539	10.90	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56002.D
Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

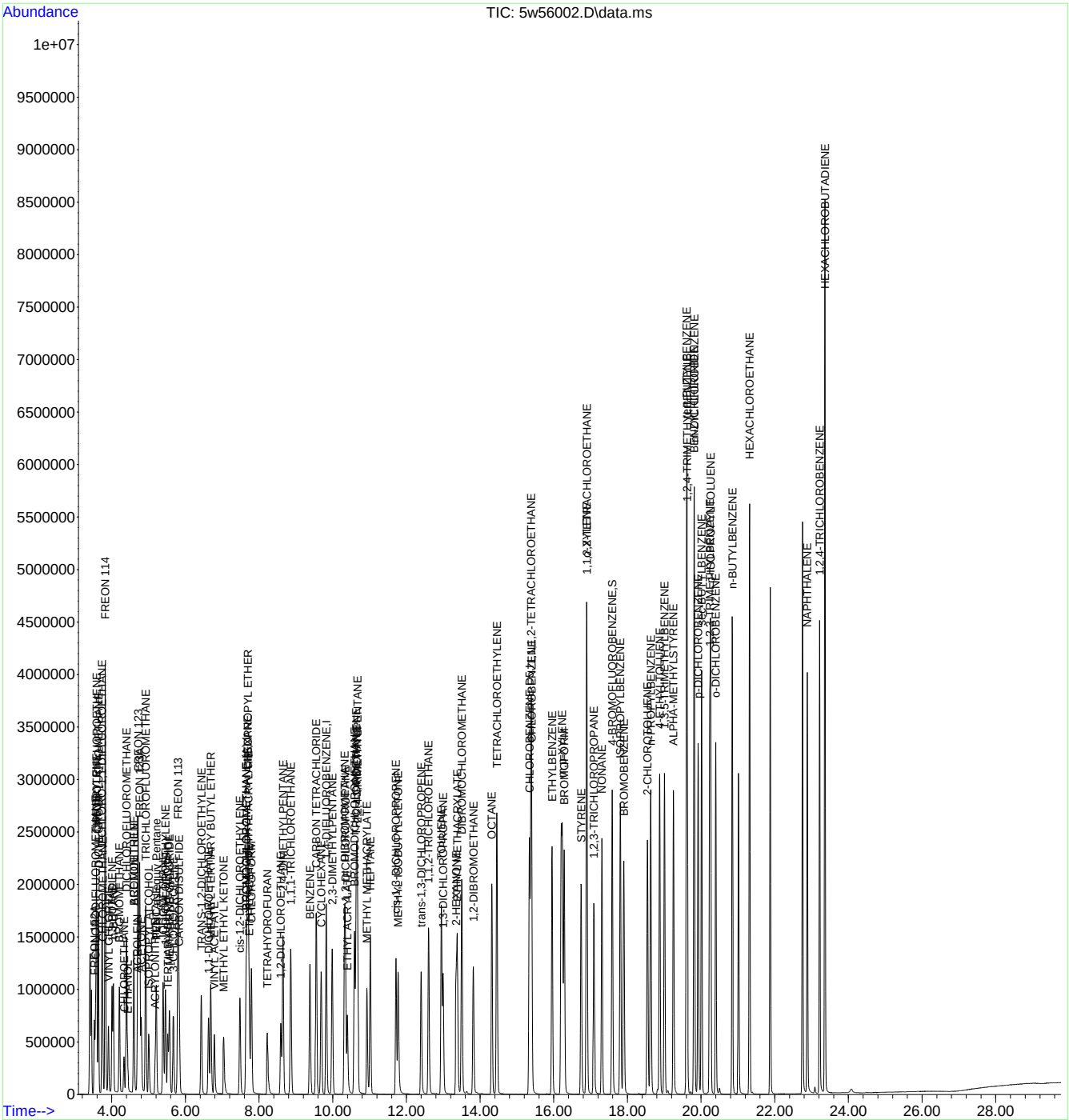
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56002.D
Acq On : 9 Jan 2025 6:20 am
Operator : thomash
Sample : icc2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 19:04:53 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56003.D
Acq On : 9 Jan 2025 7:03 am
Operator : thomash
Sample : ic2144-20
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.657	128	434526	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1816899	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	1045556	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	434526	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1153941	9.11	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 91.10%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	621419	21.65	PPBV		100
4) CHLORODIFLUOROMETHANE	3.558	67	313655	21.43	PPBV		98
5) CHLOROTRIFLUOROETHENE	3.588	116	1572434	21.51	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.637	85	2977330	20.75	PPBV		100
7) PROPYLENE	3.582	41	752019	21.62	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	2895337	19.93	PPBV		99
9) FREON 114	3.821	85	3809279	20.32	PPBV		98
10) CHLOROMETHANE	3.754	52	363893	19.34	PPBV		99
11) VINYL CHLORIDE	3.913	62	1243018	19.01	PPBV		99
12) 1,3-BUTADIENE	4.011	54	850473	19.96	PPBV		100
13) n-BUTANE	4.047	43	1693973	19.89	PPBV		98
14) BROMOMETHANE	4.206	94	1343420	19.71	PPBV		100
15) CHLOROETHANE	4.335	64	542052	19.55	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	2745627	19.61	PPBV		100
17) ACETONITRILE	4.598	41	954367	18.83	PPBV		100
18) ACROLEIN	4.690	56	447716	19.78	PPBV		100
19) FREON 123	4.714	83	3012225	19.77	PPBV		100
20) FREON 123A	4.757	117	1780666	20.63	PPBV		98
21) TRICHLOROFLUOROMETHANE	4.922	101	2946235	19.85	PPBV		99
22) ISOPROPYL ALCOHOL	5.002	45	1528103	20.27	PPBV		99
23) ACETONE	4.800	58	460132	19.07	PPBV		98
24) PENTANE	5.210	42	818760	20.92	PPBV		99
25) IODOMETHANE	5.399	142	2703927	21.83	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.460	96	821443	20.79	PPBV		100
27) CARBON DISULFIDE	5.834	76	2338771	20.39	PPBV		99
28) ETHANOL	4.433	45	593357	18.47	PPBV		100
29) BROMOETHENE	4.598	106	1335979	20.24	PPBV		100
30) ACRYLONITRILE	5.179	52	496198	21.70	PPBV		100
31) METHYLENE CHLORIDE	5.571	84	753199	20.29	PPBV		99
32) 3-CHLOROPROPENE	5.675	76	384693	20.56	PPBV		99
33) FREON 113	5.797	151	1553085	21.14	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.433	96	878068	20.73	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.515	59	1415439	19.52	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.684	73	2319918	21.54	PPBV		99
37) TETRAHYDROFURAN	8.213	72	388102	20.99	PPBV		99
38) HEXANE	7.687	57	1333260	22.56	PPBV		98
39) VINYL ACETATE	6.788	86	167697	22.16	PPBV		95
40) 1,1-DICHLOROETHANE	6.629	63	1531299	21.10	PPBV		99
41) METHYL ETHYL KETONE	7.033	72	404027	21.52	PPBV		99
42) cis-1,2-DICHLOROETHYLENE	7.479	96	961041	21.59	PPBV		100
43) DIISOPROPYL ETHER	7.693	59	401262	22.47	PPBV		97
44) ETHYL ACETATE	7.724	61	285335	21.37	PPBV	#	96
45) METHYL ACRYLATE	7.712	55	1627351	22.11	PPBV		99
46) CHLOROFORM	7.797	83	2001694	20.86	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.648	57	1455295	21.54	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.862	97	2177580	21.68	PPBV		100
49) CARBON TETRACHLORIDE	9.553	117	2458342	21.79	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56003.D
Acq On : 9 Jan 2025 7:03 am
Operator : thomash
Sample : ic2144-20
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	1328594	21.93	PPBV		100
52)	BENZENE	9.382	78	2718148	22.89	PPBV		100
53)	CYCLOHEXANE	9.688	84	1092564	22.43	PPBV		100
54)	2,3-DIMETHYLPENTANE	9.988	71	555668	22.39	PPBV		100
55)	TRICHLOROETHYLENE	10.642	95	1372842	22.39	PPBV		100
56)	1,2-DICHLOROPROPANE	10.348	63	1012028	21.69	PPBV		99
57)	DIBROMOMETHANE	10.324	174	1430206	22.71	PPBV		99
58)	ETHYL ACRYLATE	10.397	55	1893212	22.18	PPBV		100
59)	BROMODICHLOROMETHANE	10.593	83	2414775	21.82	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	3953616	21.93	PPBV		100
61)	1,4-DIOXANE	10.648	88	653956	21.94	PPBV	#	30
62)	HEPTANE	11.021	43	1508202	22.57	PPBV		99
63)	METHYL METHACRYLATE	10.924	69	949209	22.63	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.774	58	793428	22.64	PPBV		99
65)	cis-1,3-DICHLOROPROPENE	11.719	75	1822087	22.68	PPBV		98
66)	TOLUENE	12.955	92	2050052	22.45	PPBV		99
67)	1,3-DICHLOROPROPANE	12.997	76	1653441	21.69	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.398	75	1658062	21.97	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.606	83	1145226	22.29	PPBV		99
71)	2-HEXANONE	13.340	58	1168719	20.51	PPBV		99
72)	ETHYL METHACRYLATE	13.377	69	1691832	19.99	PPBV		99
73)	TETRACHLOROETHYLENE	14.460	164	1596803	21.20	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.505	129	2871234	20.25	PPBV		99
75)	1,2-DIBROMOETHANE	13.817	107	2215748	21.02	PPBV		100
76)	OCTANE	14.325	43	2254444	21.05	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	1954709	21.77	PPBV		99
78)	CHLOROBENZENE	15.402	112	3090812	21.03	PPBV		99
79)	ETHYLBENZENE	15.952	91	4614221	21.04	PPBV		100
80)	m,p-XYLENE	16.228	106	3679265	41.24	PPBV		97
81)	o-XYLENE	16.894	106	1859671	21.49	PPBV		98
82)	STYRENE	16.748	104	2810549	21.37	PPBV		100
83)	NONANE	17.310	43	2339892	20.65	PPBV		100
84)	BROMOFORM	16.283	173	2941281	20.79	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	3169455	21.12	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1986091	19.65	PPBV		99
88)	ISOPROPYLBENZENE	17.812	105	5203481	20.19	PPBV		99
89)	BROMOBENZENE	17.904	77	2438548	19.63	PPBV		99
90)	2-CHLOROTOLUENE	18.546	126	1410347	19.96	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	1458040	20.14	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	5289712	20.76	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	4364322	20.75	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.256	118	2316923	20.18	PPBV		100
95)	tert-BUTYLBENZENE	19.611	134	1112078	22.42	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	4901595	21.62	PPBV		99
97)	m-DICHLOROBENZENE	19.819	146	3594897	20.45	PPBV		99
98)	BENZYL CHLORIDE	19.813	91	4455917	20.69	PPBV		99
99)	p-DICHLOROBENZENE	19.923	146	3378793	20.79	PPBV		100
100)	sec-BUTYLBENZENE	20.014	134	1232823	20.81	PPBV		94
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	4670537	20.57	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	1469746	21.10	PPBV		96
103)	o-DICHLOROBENZENE	20.400	146	3159672	20.25	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	1460466	21.25	PPBV		95
105)	HEXACHLOROETHANE	21.318	117	2569824	22.35	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	3473189	23.22	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.220	180	2919332	21.34	PPBV		99
108)	NAPHTHALENE	22.884	128	6572790	20.42	PPBV		98
110)	TVHC as equiv Pentane	5.210	TIC	5392363	21.16	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56003.D
Acq On : 9 Jan 2025 7:03 am
Operator : thomash
Sample : ic2144-20
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

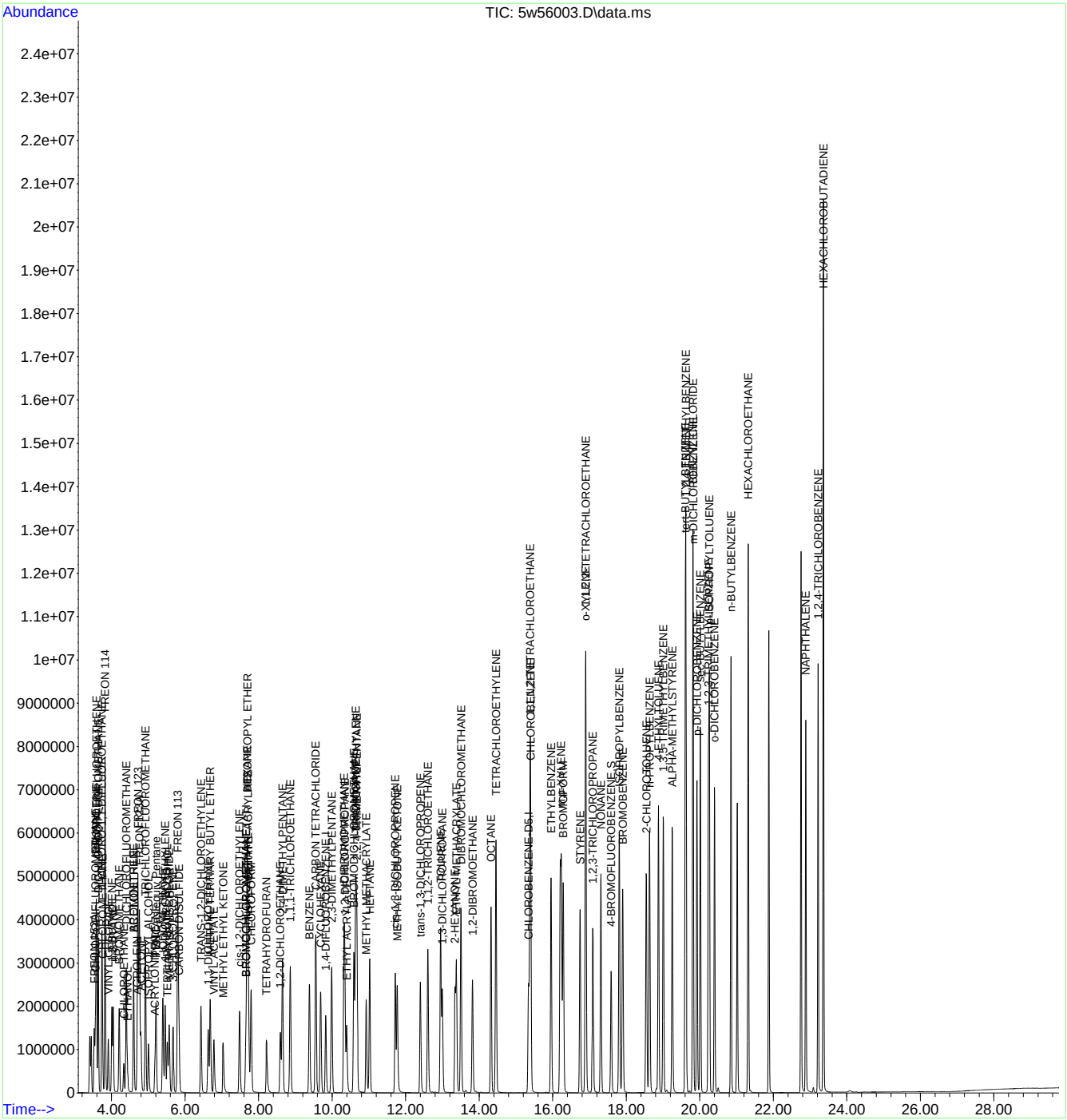
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56003.D
Acq On : 9 Jan 2025 7:03 am
Operator : thomash
Sample : ic2144-20
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:42 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	463457	10.00	PPBV	0.01
51) 1,4-DIFLUOROBENZENE	9.828	114	1816263	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.340	82	1233579	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	463457	10.00	PPBV	# 0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.592	95	1182267	7.91	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 79.10%			
Target Compounds						Qvalue
3) FREON 152A	3.527	65	1313525	42.92	PPBV	100
4) CHLORODIFLUOROMETHANE	3.564	67	669206	42.88	PPBV	99
5) CHLOROTRIFLUOROETHENE	3.588	116	3303540	42.37	PPBV	99
6) DICHLORODIFLUOROMETHANE	3.637	85	5924521	38.71	PPBV	98
7) PROPYLENE	3.582	41	1545166	41.64	PPBV	100
8) 1-CHLORO-1,1-DIFLUOROE...	3.741	65	5434243	35.06	PPBV	99
9) FREON 114	3.827	85	6910409	34.56	PPBV	95
10) CHLOROMETHANE	3.754	52	685907	34.18	PPBV	97
11) VINYL CHLORIDE	3.913	62	2325794	33.35	PPBV	99
12) 1,3-BUTADIENE	4.010	54	1615444	35.54	PPBV	99
13) n-BUTANE	4.047	43	3126491	34.41	PPBV	97
14) BROMOMETHANE	4.212	94	2579516	35.48	PPBV	100
15) CHLOROETHANE	4.335	64	1043925	35.30	PPBV	99
16) DICHLOROFLUOROMETHANE	4.402	67	5148208	34.47	PPBV	99
17) ACETONITRILE	4.604	41	1797325	33.25	PPBV	100
18) ACROLEIN	4.696	56	856085	35.47	PPBV	99
19) FREON 123	4.720	83	5649979	34.76	PPBV	99
20) FREON 123A	4.763	117	3396789	36.90	PPBV	95
21) TRICHLOROFLUOROMETHANE	4.922	101	5347861	33.77	PPBV	99
22) ISOPROPYL ALCOHOL	5.008	45	2814813	35.00	PPBV	99
23) ACETONE	4.800	58	854983	33.22	PPBV	98
24) PENTANE	5.216	42	1680798	40.27	PPBV	99
25) IODOMETHANE	5.399	142	5667109	42.89	PPBV	99
26) 1,1-DICHLOROETHYLENE	5.466	96	1686480	40.03	PPBV	99
27) CARBON DISULFIDE	5.834	76	4719896	38.58	PPBV	99
28) ETHANOL	4.439	45	1045319	30.51	PPBV	100
29) BROMOETHENE	4.598	106	2593532	36.84	PPBV	99
30) ACRYLONITRILE	5.185	52	1015671	41.65	PPBV	100
31) METHYLENE CHLORIDE	5.577	84	1513955	38.23	PPBV	99
32) 3-CHLOROPROPENE	5.681	76	786083	39.39	PPBV	99
33) FREON 113	5.803	151	3337642	42.59	PPBV	98
34) TRANS-1,2-DICHLOROETHY...	6.433	96	1847874	40.91	PPBV	100
35) TERTIARY BUTYL ALCOHOL	5.522	59	2802992	36.24	PPBV	99
36) METHYL TERTIARY BUTYL ...	6.684	73	4784081	41.64	PPBV	99
37) TETRAHYDROFURAN	8.213	72	796260	40.37	PPBV	99
38) HEXANE	7.693	57	2975650	47.22	PPBV	94
39) VINYL ACETATE	6.794	86	351807	43.59	PPBV	96
40) 1,1-DICHLOROETHANE	6.635	63	3126939	40.40	PPBV	99
41) METHYL ETHYL KETONE	7.033	72	829209	41.41	PPBV	99
42) cis-1,2-DICHLOROETHYLENE	7.485	96	2014871	42.45	PPBV	99
43) DIISOPROPYL ETHER	7.699	59	899567	47.22	PPBV #	89
44) ETHYL ACETATE	7.730	61	602807	42.33	PPBV #	95
45) METHYL ACRYLATE	7.718	55	3489782	44.45	PPBV	98
46) CHLOROFORM	7.803	83	4050601	39.58	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.654	57	3041808	42.21	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.868	97	4577105	42.72	PPBV	99
49) CARBON TETRACHLORIDE	9.553	117	5195370	43.17	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.593	62	2783787	43.08	PPBV		99
52)	BENZENE	9.388	78	5575931	46.96	PPBV		100
53)	CYCLOHEXANE	9.688	84	2227364	45.74	PPBV		100
54)	2,3-DIMETHYLPENTANE	9.994	71	1178604	47.52	PPBV		97
55)	TRICHLOROETHYLENE	10.648	95	3029245	49.43	PPBV		99
56)	1,2-DICHLOROPROPANE	10.348	63	2149668	46.09	PPBV		98
57)	DIBROMOMETHANE	10.330	174	3216239	51.09	PPBV		97
58)	ETHYL ACRYLATE	10.397	55	3866736	45.31	PPBV		100
59)	BROMODICHLOROMETHANE	10.599	83	5107482	46.16	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	8140990	45.18	PPBV		99
61)	1,4-DIOXANE	10.648	88	1380216	46.31	PPBV	#	4
62)	HEPTANE	11.021	43	3121426	46.72	PPBV		99
63)	METHYL METHACRYLATE	10.930	69	1918384	45.76	PPBV		94
64)	METHYL ISOBUTYL KETONE	11.774	58	1646344	46.98	PPBV		98
65)	cis-1,3-DICHLOROPROPENE	11.725	75	3878154	48.30	PPBV		82
66)	TOLUENE	12.955	92	4335330	47.50	PPBV		97
67)	1,3-DICHLOROPROPANE	13.004	76	3351482	43.99	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	3512148	46.55	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.606	83	2416703	47.05	PPBV		99
71)	2-HEXANONE	13.346	58	2486289	36.99	PPBV		97
72)	ETHYL METHACRYLATE	13.383	69	3557297	35.63	PPBV		99
73)	TETRACHLOROETHYLENE	14.460	164	3513468	39.53	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.505	129	6133323	36.67	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	4715997	37.92	PPBV		100
76)	OCTANE	14.325	43	4800379	37.99	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	15.389	131	4417529	41.70	PPBV		99
78)	CHLOROBENZENE	15.408	112	6693342	38.60	PPBV		99
79)	ETHYLBENZENE	15.958	91	9574223	37.00	PPBV		97
80)	m,p-XYLENE	16.240	106	7978307	75.80	PPBV		93
81)	o-XYLENE	16.901	106	4144196	40.59	PPBV		94
82)	STYRENE	16.748	104	5970343	38.48	PPBV		98
83)	NONANE	17.310	43	4905607	36.69	PPBV		98
84)	BROMOFORM	16.289	173	6432057	38.53	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	6816037	38.50	PPBV		98
87)	1,2,3-TRICHLOROPROPANE	17.096	75	4119611	34.54	PPBV		98
88)	ISOPROPYLBENZENE	17.818	105	10798380	35.50	PPBV		96
89)	BROMOBENZENE	17.910	77	5169169	35.28	PPBV		99
90)	2-CHLOROTOLUENE	18.546	126	3059482	36.70	PPBV		100
91)	n-PROPYLBENZENE	18.638	120	3133720	36.69	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	10770860	35.82	PPBV		95
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	9069061	36.54	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.256	118	5009441	36.98	PPBV		100
95)	tert-BUTYLBENZENE	19.617	134	2514308	42.97	PPBV	#	83
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	10058533	37.60	PPBV		96
97)	m-DICHLOROBENZENE	19.825	146	7654903	36.91	PPBV		97
98)	BENZYL CHLORIDE	19.819	91	9367441	36.86	PPBV		97
99)	p-DICHLOROBENZENE	19.929	146	7096089	37.01	PPBV		98
100)	sec-BUTYLBENZENE	20.021	134	2677703	38.31	PPBV	#	76
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	9874415	36.86	PPBV	#	95
102)	p-ISOPROPYLTOLUENE	20.265	134	3260667	39.67	PPBV	#	81
103)	o-DICHLOROBENZENE	20.406	146	6669438	36.22	PPBV		97
104)	n-BUTYLBENZENE	20.859	134	3237040	39.92	PPBV	#	79
105)	HEXACHLOROETHANE	21.317	117	5546503	40.89	PPBV		97
106)	HEXACHLOROBUTADIENE	23.367	225	7589685	43.00	PPBV		96
107)	1,2,4-TRICHLOROBENZENE	23.226	180	6578217	40.77	PPBV		99
108)	NAPHTHALENE	22.890	128	12693881	33.43	PPBV		93
110)	TVHC as equiv Pentane	5.210	TIC	10891547	40.07	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

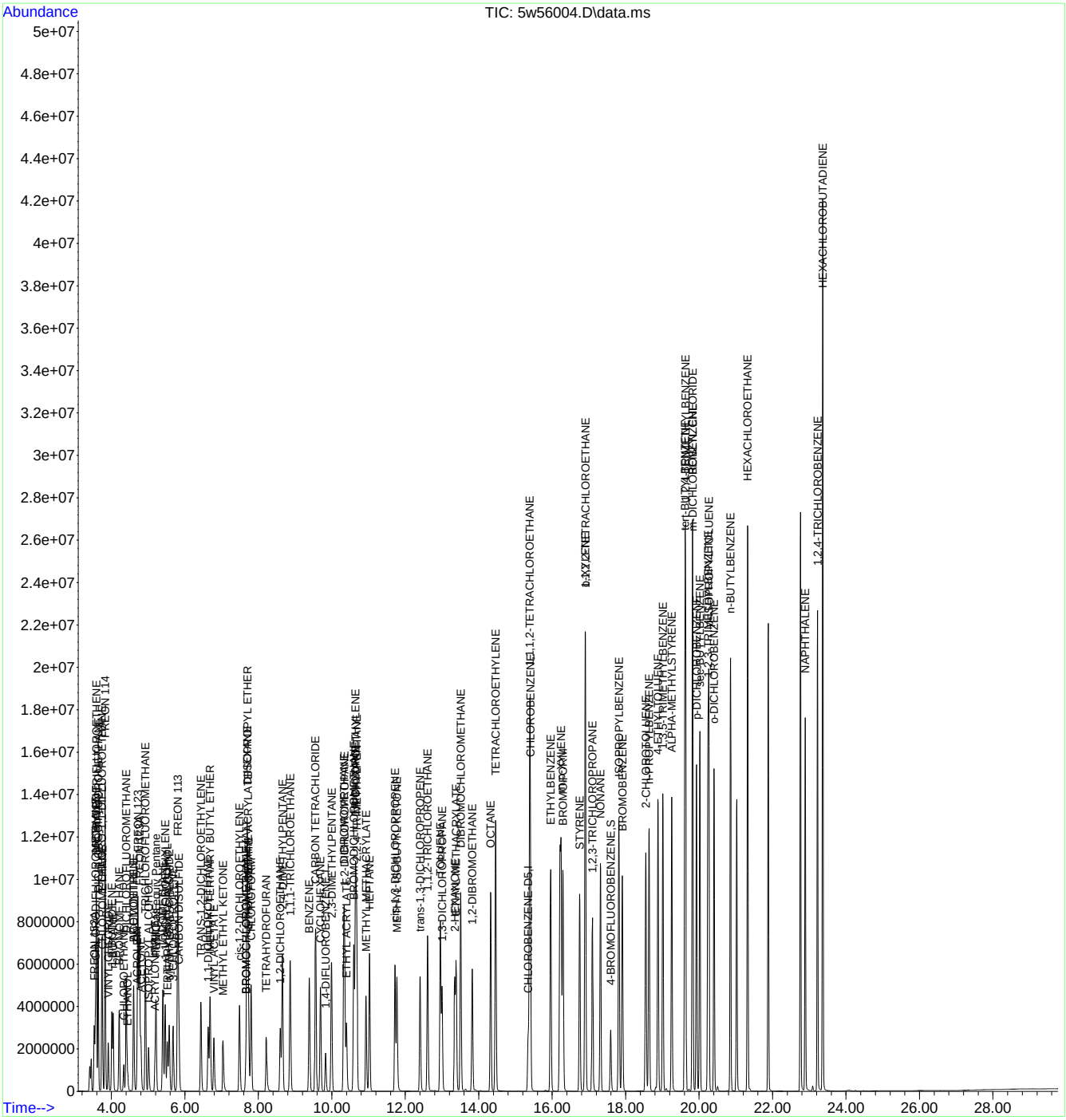
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56004.D
Acq On : 9 Jan 2025 7:49 am
Operator : thomash
Sample : ic2144-40
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:09:52 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56005.D
Acq On : 9 Jan 2025 8:36 am
Operator : thomash
Sample : ic2144-50
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	497435	10.00	PPBV		0.01
51) 1,4-DIFLUOROBENZENE	9.829	114	1886774	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	1356790	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	497435	10.00	PPBV	#	0.01
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1243016	7.57	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 75.70%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	1749664	53.26	PPBV		100
4) CHLORODIFLUOROMETHANE	3.558	67	897522	53.58	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.589	116	4418612	52.80	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.638	85	7524551	45.81	PPBV		97
7) PROPYLENE	3.582	41	2025072	50.85	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	6709737	40.34	PPBV		98
9) FREON 114	3.821	85	8385821	39.07	PPBV		93
10) CHLOROMETHANE	3.754	52	867377	40.28	PPBV		98
11) VINYL CHLORIDE	3.913	62	2901207	38.75	PPBV		99
12) 1,3-BUTADIENE	4.011	54	2028131	41.57	PPBV		98
13) n-BUTANE	4.047	43	3901013	40.00	PPBV		97
14) BROMOMETHANE	4.213	94	3234642	41.45	PPBV		100
15) CHLOROETHANE	4.335	64	1310686	41.30	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	6364290	39.70	PPBV		99
17) ACETONITRILE	4.604	41	2216393	38.20	PPBV		100
18) ACROLEIN	4.696	56	1070913	41.34	PPBV		99
19) FREON 123	4.714	83	6969297	39.95	PPBV		98
20) FREON 123A	4.757	117	4245728	42.97	PPBV		93
21) TRICHLOROFLUOROMETHANE	4.922	101	7105408	41.81	PPBV		98
22) ISOPROPYL ALCOHOL	5.008	45	3532732	40.93	PPBV		99
23) ACETONE	4.800	58	1064429	38.53	PPBV		96
24) PENTANE	5.210	42	2186622	48.81	PPBV		99
25) IODOMETHANE	5.399	142	7499312	52.88	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.461	96	2210434	48.88	PPBV		98
27) CARBON DISULFIDE	5.834	76	6100461	46.45	PPBV		99
28) ETHANOL	4.439	45	1302028	35.40	PPBV		99
29) BROMOETHENE	4.598	106	3274098	43.33	PPBV		99
30) ACRYLONITRILE	5.185	52	1335961	51.04	PPBV		100
31) METHYLENE CHLORIDE	5.577	84	1953852	45.97	PPBV		99
32) 3-CHLOROPROPENE	5.675	76	1016926	47.47	PPBV		99
33) FREON 113	5.803	151	4499942	53.50	PPBV		97
34) TRANS-1,2-DICHLOROETHY...	6.433	96	2457622	50.69	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.522	59	3477527	41.90	PPBV		99
36) METHYL TERTIARY BUTYL ...	6.684	73	6261123	50.78	PPBV		99
37) TETRAHYDROFURAN	8.214	72	1048188	49.51	PPBV		98
38) HEXANE	7.694	57	3906208	57.75	PPBV		92
39) VINYL ACETATE	6.794	86	462885	53.44	PPBV	#	93
40) 1,1-DICHLOROETHANE	6.635	63	4088054	49.21	PPBV		99
41) METHYL ETHYL KETONE	7.033	72	1087644	50.61	PPBV		97
42) cis-1,2-DICHLOROETHYLENE	7.486	96	2672106	52.45	PPBV		98
43) DIISOPROPYL ETHER	7.700	59	1186878	58.05	PPBV	#	84
44) ETHYL ACETATE	7.730	61	784784	51.35	PPBV	#	94
45) METHYL ACRYLATE	7.718	55	4530336	53.76	PPBV		98
46) CHLOROFORM	7.804	83	5279616	48.07	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.654	57	4017217	51.93	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.868	97	6061383	52.71	PPBV		99
49) CARBON TETRACHLORIDE	9.553	117	6881483	53.28	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56005.D
Acq On : 9 Jan 2025 8:36 am
Operator : thomash
Sample : ic2144-50
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.593	62	3699368	53.34	PPBV		99
52)	BENZENE	9.388	78	7301089	59.20	PPBV		99
53)	CYCLOHEXANE	9.688	84	2934434	58.01	PPBV		99
54)	2,3-DIMETHYLPENTANE	9.994	71	1566174	60.78	PPBV		96
55)	TRICHLOROETHYLENE	10.648	95	4030473	63.31	PPBV		100
56)	1,2-DICHLOROPROPANE	10.355	63	2813295	58.06	PPBV		98
57)	DIBROMOMETHANE	10.330	174	4403598	67.34	PPBV		95
58)	ETHYL ACRYLATE	10.404	55	5009422	56.51	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	6768241	58.89	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	10419434	55.66	PPBV		98
61)	1,4-DIOXANE	10.648	88	1832277	59.18	PPBV	#	1
62)	HEPTANE	11.028	43	4076581	58.73	PPBV		98
63)	METHYL METHACRYLATE	10.930	69	2529551	58.08	PPBV		95
64)	METHYL ISOBUTYL KETONE	11.774	58	2175500	59.76	PPBV		95
65)	cis-1,3-DICHLOROPROPENE	11.725	75	5144419	61.67	PPBV		82
66)	TOLUENE	12.955	92	5758163	60.73	PPBV		95
67)	1,3-DICHLOROPROPANE	13.004	76	4399651	55.59	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	4674960	59.65	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.606	83	3208086	60.12	PPBV		99
71)	2-HEXANONE	13.346	58	3288192	44.48	PPBV		94
72)	ETHYL METHACRYLATE	13.383	69	4663618	42.47	PPBV		99
73)	TETRACHLOROETHYLENE	14.466	164	4734534	48.44	PPBV		98
74)	DIBROMOCHLOROMETHANE	13.505	129	8078960	43.91	PPBV		98
75)	1,2-DIBROMOETHANE	13.823	107	6285538	45.95	PPBV		100
76)	OCTANE	14.331	43	6220766	44.76	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	5897106	50.61	PPBV		99
78)	CHLOROBENZENE	15.408	112	8787014	46.08	PPBV		99
79)	ETHYLBENZENE	15.959	91	12382680	43.51	PPBV		95
80)	m,p-XYLENE	16.240	106	10634363	91.86	PPBV		89
81)	o-XYLENE	16.907	106	5460474	48.63	PPBV		92
82)	STYRENE	16.748	104	7952309	46.60	PPBV		98
83)	NONANE	17.317	43	6343459	43.14	PPBV		97
84)	BROMOFORM	16.295	173	8534379	46.49	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	8688540	44.62	PPBV		97
87)	1,2,3-TRICHLOROPROPANE	17.096	75	5426568	41.37	PPBV		96
88)	ISOPROPYLBENZENE	17.818	105	13921490	41.62	PPBV		94
89)	BROMOBENZENE	17.910	77	6792368	42.15	PPBV		96
90)	2-CHLOROTOLUENE	18.546	126	4153269	45.30	PPBV		99
91)	n-PROPYLBENZENE	18.638	120	4184437	44.54	PPBV		99
92)	4-ETHYLTOLUENE	18.883	105	13700466	41.43	PPBV		92
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	11622862	42.58	PPBV		94
94)	ALPHA-METHYLSTYRENE	19.256	118	6681294	44.84	PPBV		99
95)	tert-BUTYLBENZENE	19.617	134	3324681	51.66	PPBV	#	76
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	12484321	42.43	PPBV		93
97)	m-DICHLOROBENZENE	19.825	146	9874832	43.28	PPBV		96
98)	BENZYL CHLORIDE	19.819	91	11671042	41.75	PPBV		94
99)	p-DICHLOROBENZENE	19.929	146	9204051	43.65	PPBV		96
100)	sec-BUTYLBENZENE	20.021	134	3558456	46.29	PPBV	#	64
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	12487851	42.38	PPBV	#	92
102)	p-ISOPROPYLTOLUENE	20.272	134	4287515	47.43	PPBV	#	72
103)	o-DICHLOROBENZENE	20.412	146	8710849	43.02	PPBV		96
104)	n-BUTYLBENZENE	20.859	134	4311237	48.34	PPBV	#	67
105)	HEXACHLOROETHANE	21.318	117	7025634	47.09	PPBV		94
106)	HEXACHLOROBUTADIENE	23.367	225	9570477	49.30	PPBV		95
107)	1,2,4-TRICHLOROBENZENE	23.226	180	8724184	49.16	PPBV		97
108)	NAPHTHALENE	22.890	128	15541142	37.21	PPBV		89
110)	TVHC as equiv Pentane	5.210	TIC	14211123	48.71	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56005.D
Acq On : 9 Jan 2025 8:36 am
Operator : thomash
Sample : ic2144-50
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration

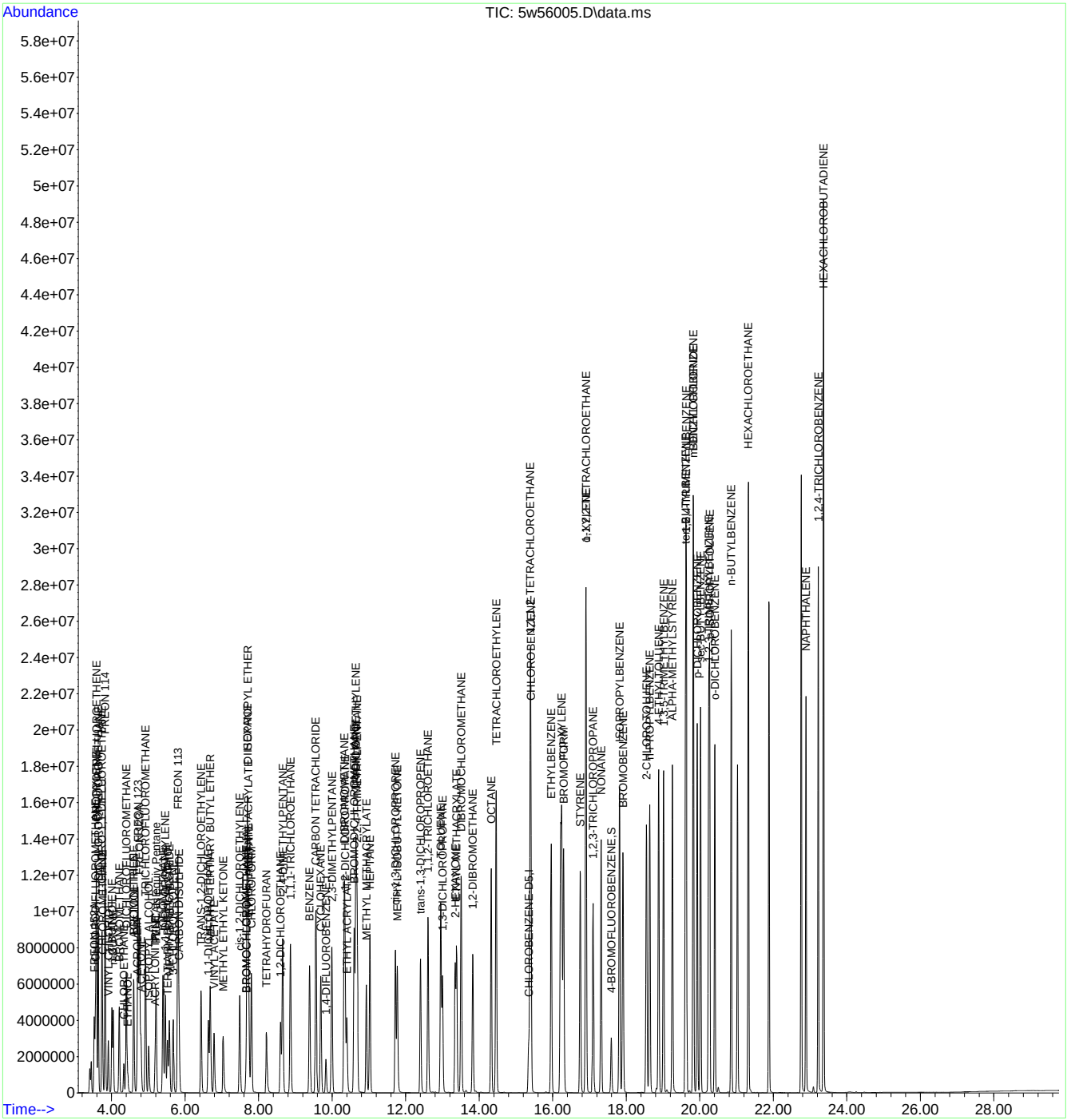
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56005.D
Acq On : 9 Jan 2025 8:36 am
Operator : thomash
Sample : ic2144-50
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 17:10:05 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 09:18:24 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/09/25 21:50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.645	128	456086	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	2018572	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.334	82	942297	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.645	128	456086	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.580	95	1217626	10.97	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.70%				
Target Compounds							Qvalue
3) FREON 152A	3.521	65	15241	0.47	PPBV		99
4) CHLORODIFLUOROMETHANE	3.558	67	7516	0.51	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.582	116	36308	0.48	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.631	85	76211	0.52	PPBV		99
7) PROPYLENE	3.582	41	18531	0.51	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	80285	0.54	PPBV		99
9) FREON 114	3.821	85	111275	0.59	PPBV		98
10) CHLOROMETHANE	3.754	52	10154	0.51	PPBV		96
11) VINYL CHLORIDE	3.907	62	36603	0.55	PPBV		100
12) 1,3-BUTADIENE	4.004	54	24018	0.53	PPBV		96
13) n-BUTANE	4.041	43	51604	0.55	PPBV	#	93
14) BROMOMETHANE	4.206	94	38353	0.53	PPBV		96
15) CHLOROETHANE	4.329	64	16659	0.55	PPBV		95
16) DICHLOROFLUOROMETHANE	4.396	67	82529	0.56	PPBV		99
17) ACETONITRILE	4.610	41	28690	0.52	PPBV		89
18) ACROLEIN	4.702	56	14976	0.62	PPBV		99
19) FREON 123	4.714	83	88981	0.56	PPBV		100
20) FREON 123A	4.757	117	52204	0.58	PPBV		95
21) TRICHLOROFLUOROMETHANE	4.916	101	99789	0.63	PPBV		99
22) ISOPROPYL ALCOHOL	5.038	45	53360	0.61	PPBV		96
23) ACETONE	4.824	58	15980	0.59	PPBV		92
24) PENTANE	5.204	42	22387	0.52	PPBV		99
25) IODOMETHANE	5.393	142	68274	0.54	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.454	96	22110	0.53	PPBV		99
27) CARBON DISULFIDE	5.828	76	63938	0.54	PPBV		98
28) ETHANOL	4.445	45	24515m	0.74	PPBV		
29) BROMOETHENE	4.598	106	37784	0.55	PPBV		99
30) ACRYLONITRILE	5.197	52	12681	0.49	PPBV		96
31) METHYLENE CHLORIDE	5.564	84	22291	0.54	PPBV		97
32) 3-CHLOROPROPENE	5.668	76	9582	0.53	PPBV		85
33) FREON 113	5.797	151	41134	0.53	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.427	96	22768	0.52	PPBV		98
35) TERTIARY BUTYL ALCOHOL	5.577	59	35853	0.50	PPBV		93
36) METHYL TERTIARY BUTYL ...	6.727	73	54188	0.52	PPBV		95
37) TETRAHYDROFURAN	8.293	72	8029	0.48	PPBV		92
38) HEXANE	7.687	57	29355	0.50	PPBV		96
39) VINYL ACETATE	6.813	86	2248	0.33	PPBV	#	12
40) 1,1-DICHLOROETHANE	6.623	63	40524	0.54	PPBV		98
41) METHYL ETHYL KETONE	7.094	72	8268	0.49	PPBV		94
42) cis-1,2-DICHLOROETHYLENE	7.473	96	24279	0.51	PPBV		96
43) DIISOPROPYL ETHER	7.718	59	8754	0.50	PPBV		97
44) ETHYL ACETATE	7.767	61	6023	0.47	PPBV	#	70
45) METHYL ACRYLATE	7.755	55	30525m	0.43	PPBV		
46) CHLOROFORM	7.785	83	53854	0.54	PPBV		90
47) 2,4-DIMETHYLPENTANE	8.648	57	32508	0.51	PPBV		93
48) 1,1,1-TRICHLOROETHANE	8.856	97	54755	0.53	PPBV		100
49) CARBON TETRACHLORIDE	9.547	117	58733	0.51	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	32842	0.54	PPBV		100
52)	BENZENE	9.382	78	66179	0.51	PPBV		99
53)	CYCLOHEXANE	9.682	84	25254	0.49	PPBV		99
54)	2,3-DIMETHYLPENTANE	9.981	71	12636	0.48	PPBV		89
55)	TRICHLOROETHYLENE	10.636	95	34247	0.49	PPBV		95
56)	1,2-DICHLOROPROPANE	10.349	63	25751	0.49	PPBV		96
57)	DIBROMOMETHANE	10.324	174	33642	0.45	PPBV		99
58)	ETHYL ACRYLATE	10.446	55	33016	0.38	PPBV		96
59)	BROMODICHLOROMETHANE	10.593	83	59207	0.48	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	94646	0.50	PPBV		98
61)	1,4-DIOXANE	10.728	88	15343	0.49	PPBV	#	1
62)	HEPTANE	11.015	43	35336	0.52	PPBV		98
63)	METHYL METHACRYLATE	10.960	69	19501	0.47	PPBV	#	72
64)	METHYL ISOBUTYL KETONE	11.835	58	13893	0.38	PPBV	#	84
65)	cis-1,3-DICHLOROPROPENE	11.725	75	37941	0.47	PPBV		99
66)	TOLUENE	12.955	92	44324	0.47	PPBV		97
67)	1,3-DICHLOROPROPANE	13.004	76	40416	0.51	PPBV	#	98
68)	trans-1,3-DICHLOROPROPENE	12.410	75	31186	0.40	PPBV		93
69)	1,1,2-TRICHLOROETHANE	12.606	83	27279	0.49	PPBV		99
71)	2-HEXANONE	13.407	58	19233	0.45	PPBV		92
72)	ETHYL METHACRYLATE	13.407	69	28149	0.44	PPBV		92
73)	TETRACHLOROETHYLENE	14.454	164	37479	0.56	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.499	129	60963	0.52	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	49397	0.57	PPBV		99
76)	OCTANE	14.325	43	43853	0.53	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	41997	0.53	PPBV		99
78)	CHLOROBENZENE	15.402	112	72039	0.55	PPBV		99
79)	ETHYLBENZENE	15.958	91	93974	0.55	PPBV		98
80)	m,p-XYLENE	16.234	106	74422	1.08	PPBV		96
81)	o-XYLENE	16.901	106	37090	0.55	PPBV		98
82)	STYRENE	16.754	104	46145	0.47	PPBV		97
83)	NONANE	17.304	43	46521	0.55	PPBV		100
84)	BROMOFORM	16.289	173	60883	0.53	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	72801	0.57	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.096	75	51055	0.58	PPBV		100
88)	ISOPROPYLBENZENE	17.812	105	110859	0.54	PPBV		98
89)	BROMOBENZENE	17.910	77	57149	0.54	PPBV		99
90)	2-CHLOROTOLUENE	18.552	126	27937	0.49	PPBV		100
91)	n-PROPYLBENZENE	18.638	120	29368	0.53	PPBV		98
92)	4-ETHYLTOLUENE	18.883	105	102867	0.53	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	91963	0.57	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.262	118	40082	0.47	PPBV		100
95)	tert-BUTYLBENZENE	19.605	134	19550	0.50	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	97153	0.55	PPBV		95
97)	m-DICHLOROBENZENE	19.819	146	79112	0.54	PPBV		97
98)	BENZYL CHLORIDE	19.813	91	77001	0.47	PPBV		99
99)	p-DICHLOROBENZENE	19.923	146	81678	0.59	PPBV		99
100)	sec-BUTYLBENZENE	20.015	134	25272	0.54	PPBV	#	89
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	97314	0.56	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	30867	0.55	PPBV		97
103)	o-DICHLOROBENZENE	20.406	146	81480	0.61	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	26648	0.50	PPBV		90
105)	HEXACHLOROETHANE	21.318	117	50091	0.53	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	65013	0.50	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.226	180	83432	0.62	PPBV		100
108)	NAPHTHALENE	22.890	128	202362	0.68	PPBV		99
110)	TVHC as equiv Pentane	5.204	TIC	147270	0.54	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration

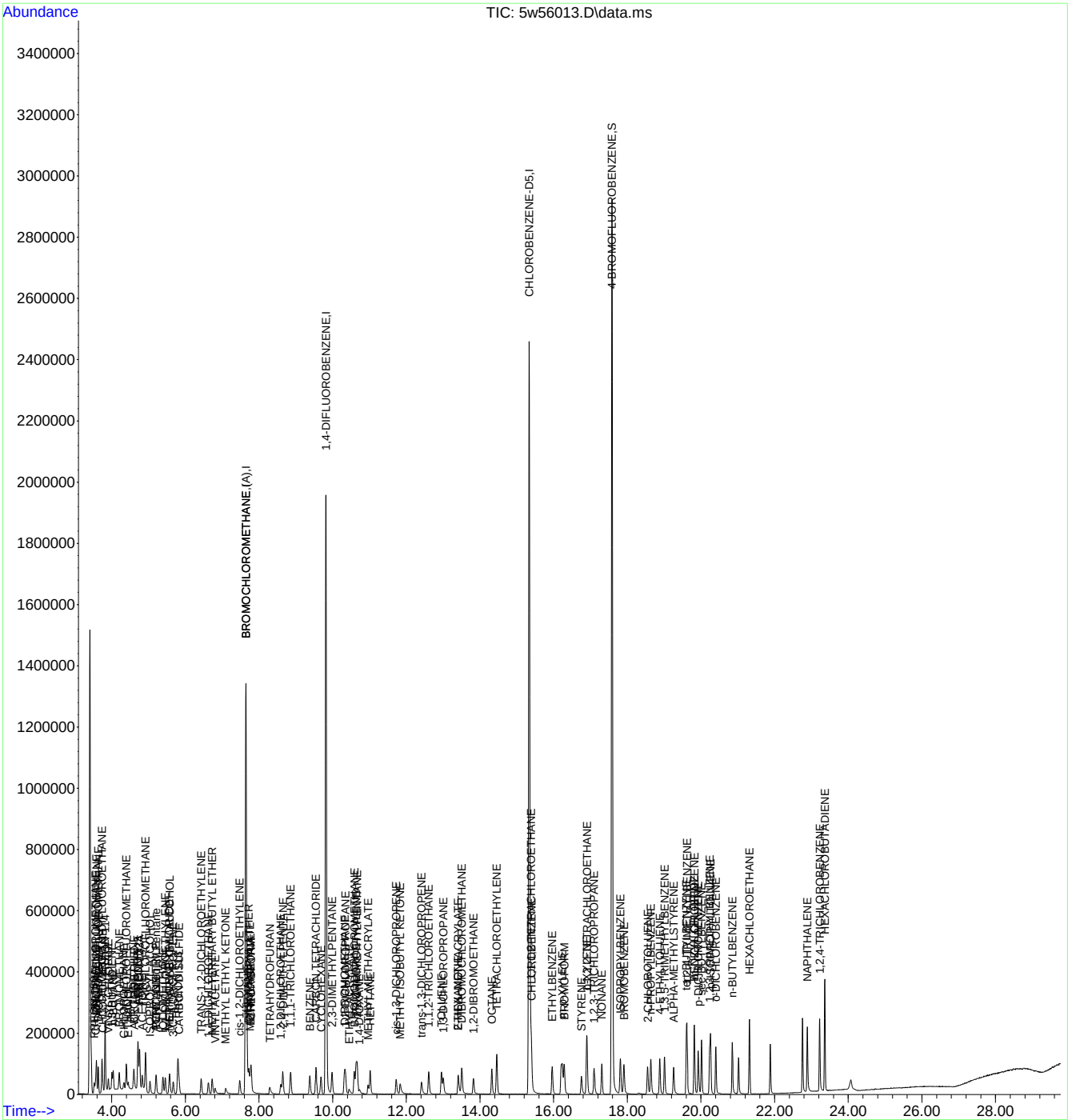
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 17:10:25 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration



Manual Integration Approval Summary

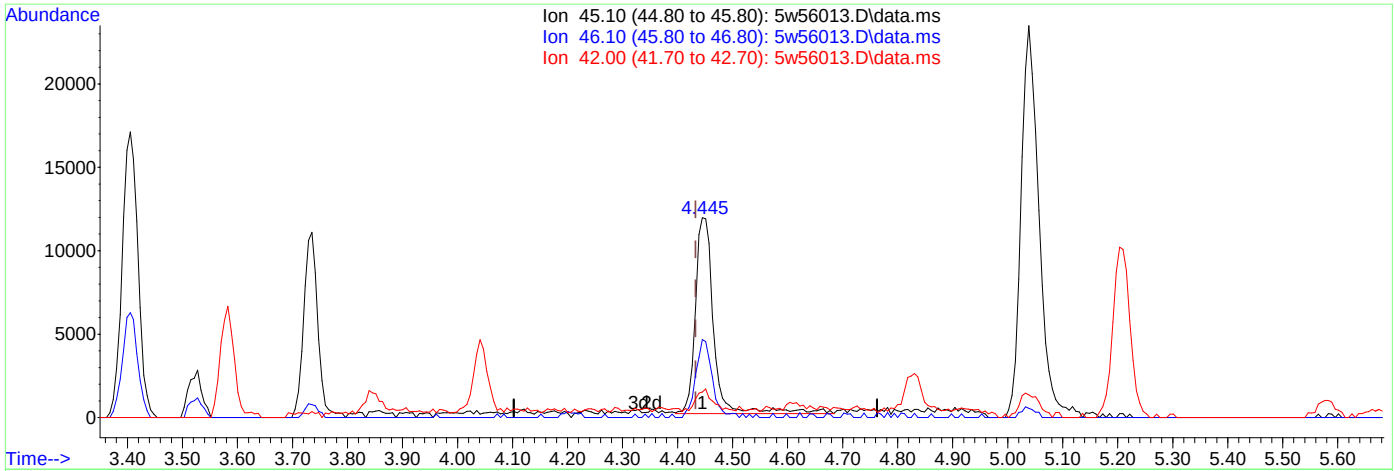
Sample Number:	V5W2144-IC2144	**Method:**	TO-15
Lab FileID:	5W56013.D	**Analyst approved:**	01/09/25 17:26 Thomas Hilbig
Injection Time:	01/09/25 15:02	**Supervisor approved:**	01/09/25 21:50 Kanya Veerawat

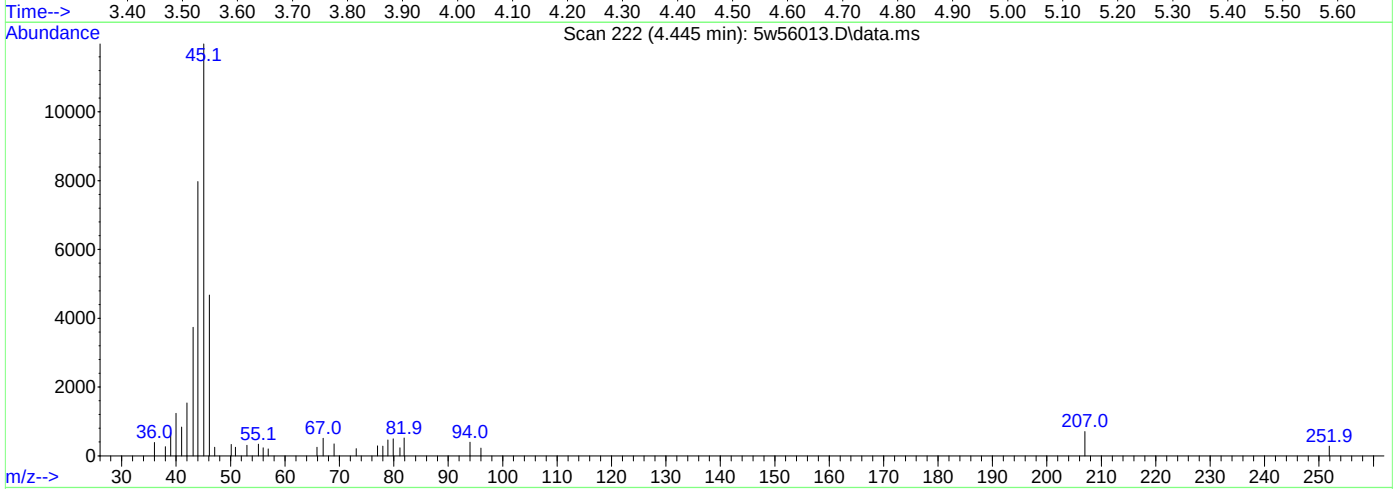
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		4.44	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 16:20:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration





TIC: 5w56013.D\data.ms

(28) ETHANOL

4.445min (+0.012) 0.82PPBV

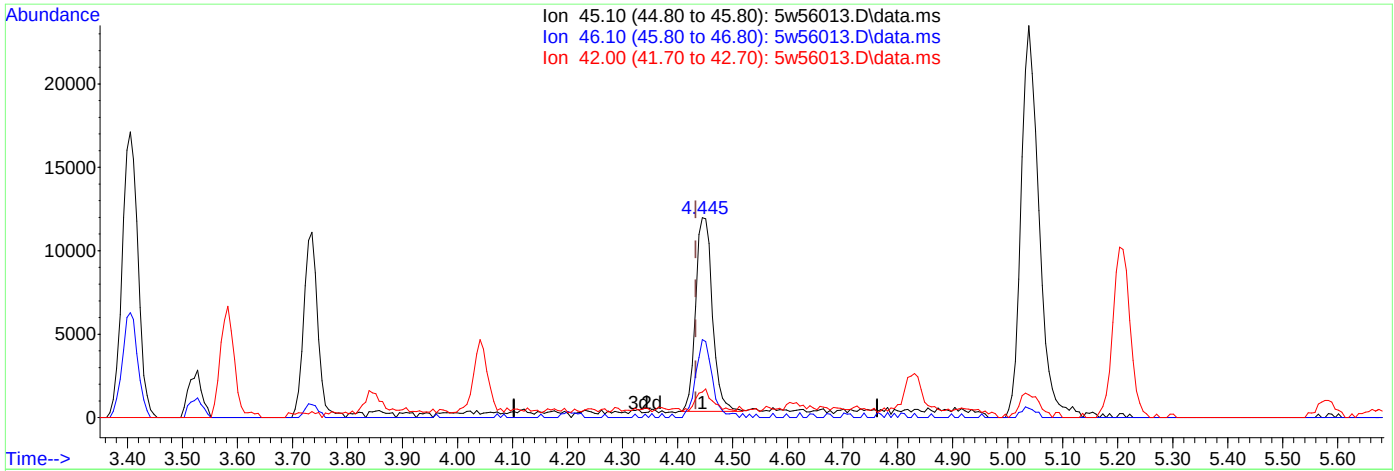
response 27395

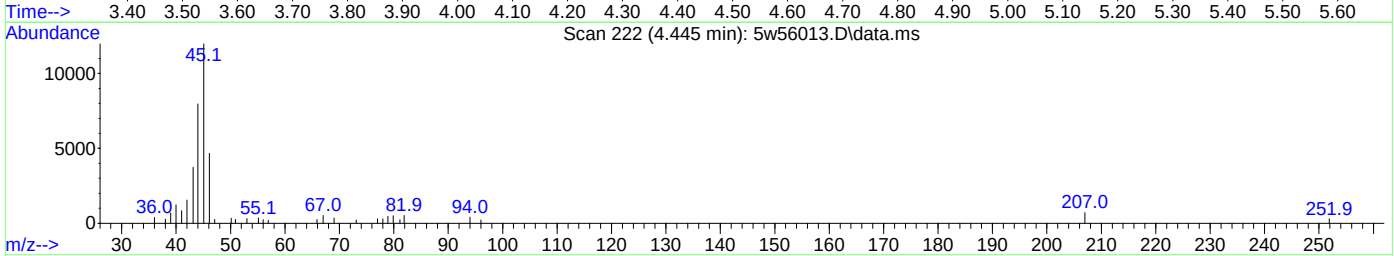
Ion	Exp%	Act%
45.10	100	100
46.10	34.80	35.66
42.00	8.60	9.51
0.00	0.00	0.00

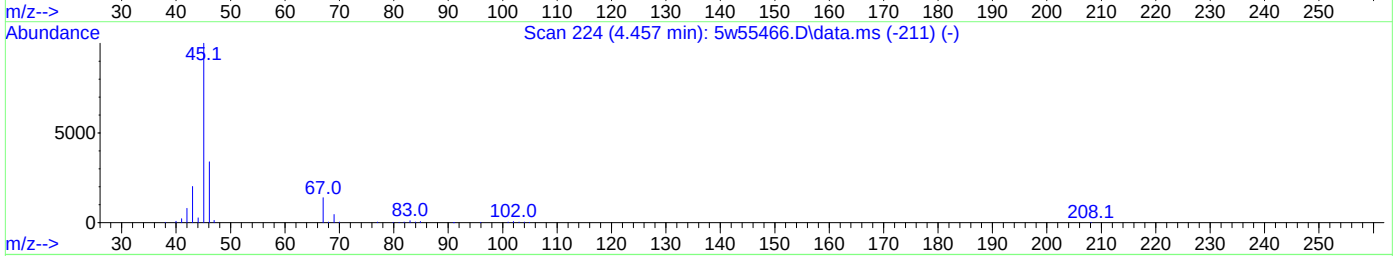
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 16:20:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration







TIC: 5w56013.D\data.ms

(28) ETHANOL

4.445min (+0.012) 0.74PPBV m

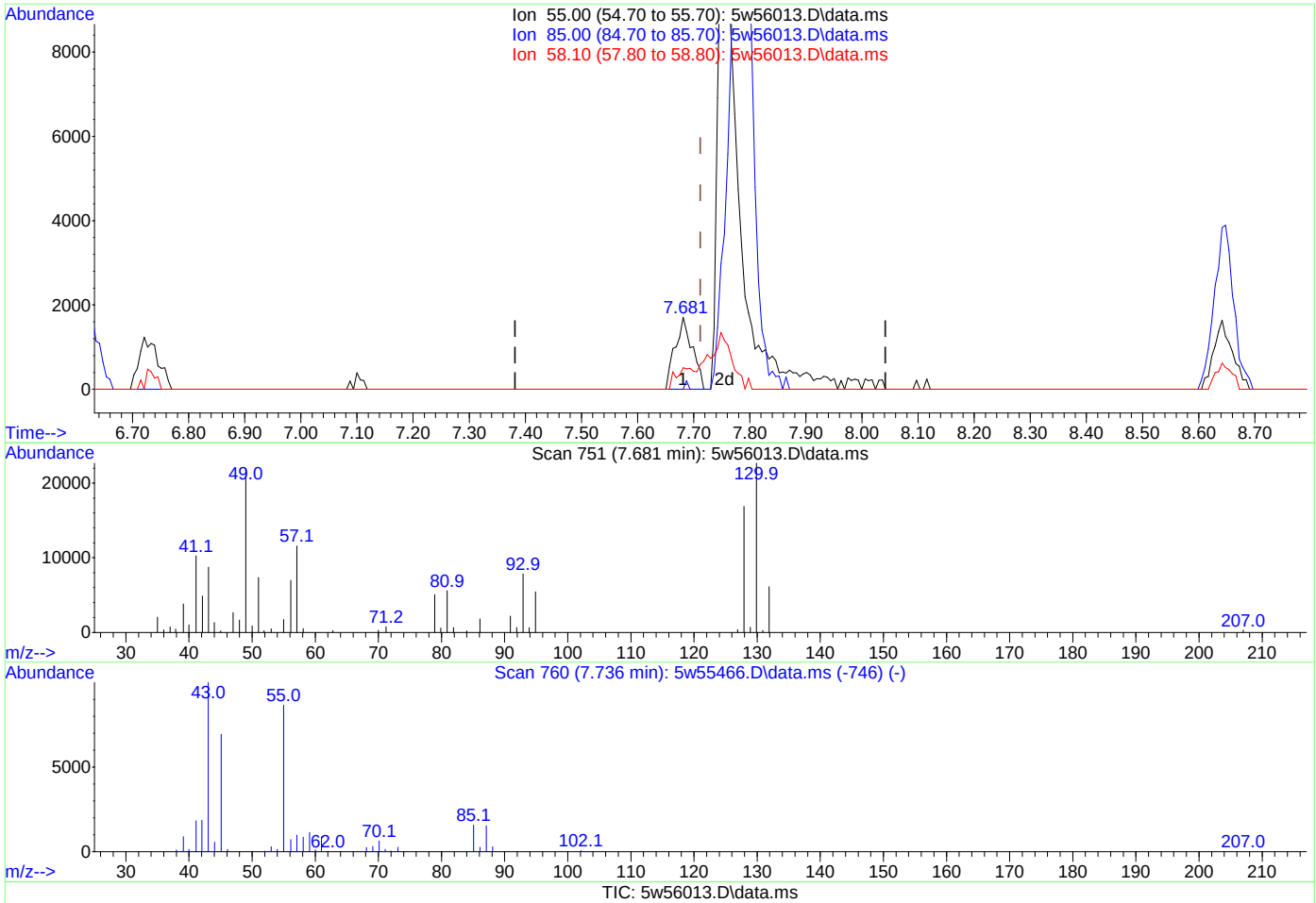
response 24515

Ion	Exp%	Act%
45.10	100	100
46.10	34.80	39.84
42.00	8.60	10.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 16:20:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration



TIC: 5w56013.D\data.ms

(45) METHYL ACRYLATE

7.681min (-0.031) 0.05PPBV

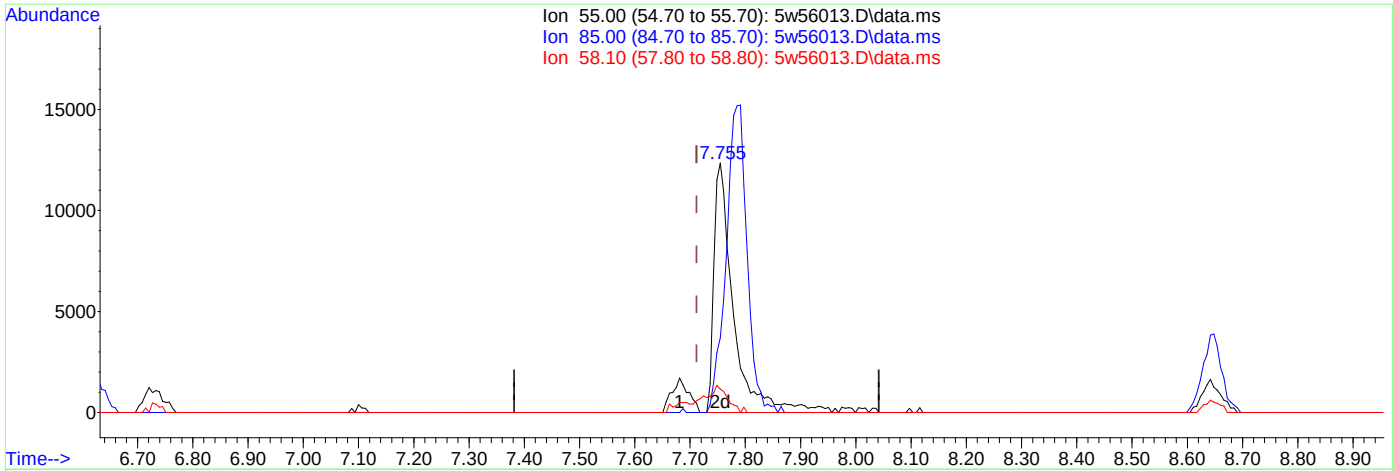
response 3642

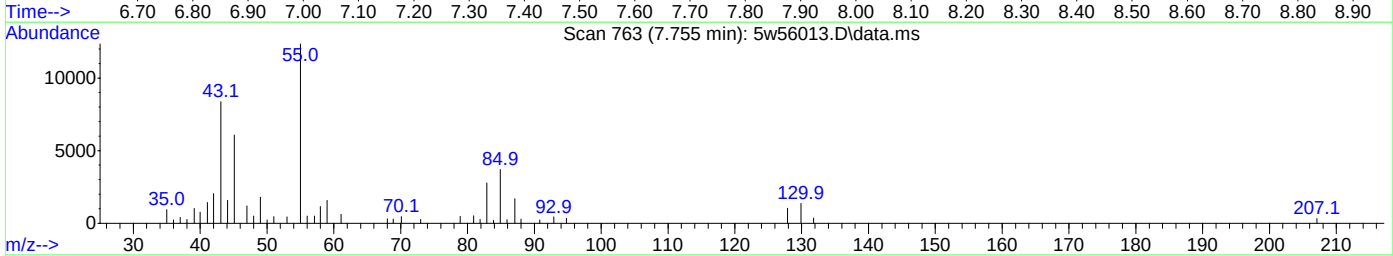
Ion	Exp%	Act%
55.00	100	100
85.00	16.90	0.00#
58.10	13.60	33.99#
0.00	0.00	0.00

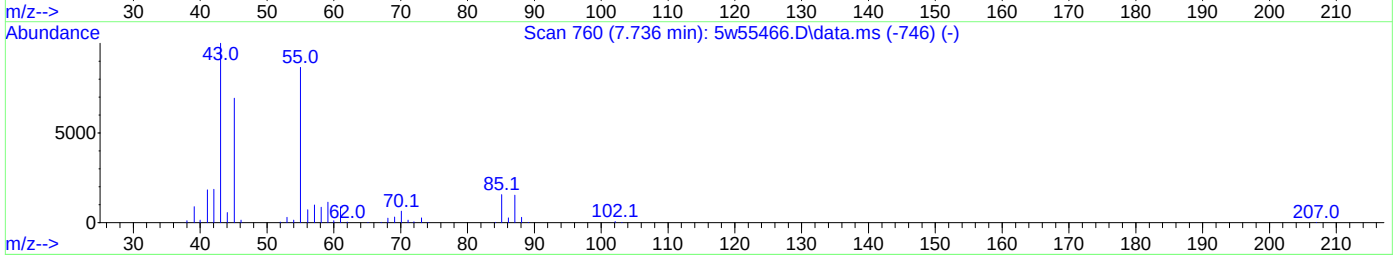
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w56013.D
Acq On : 9 Jan 2025 3:02 pm
Operator : thomash
Sample : ic2144-0.5
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 09 16:20:21 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 13:16:22 2025
Response via : Initial Calibration







TIC: 5w56013.D\data.ms

(45) METHYL ACRYLATE

7.755min (+0.043) 0.43PPBV m

response 30525

Ion	Exp%	Act%
55.00	100	100
85.00	16.90	0.00#
58.10	13.60	4.06#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56014.D
Acq On : 9 Jan 2025 3:42 pm
Operator : thomash
Sample : icv2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.657	128	414799	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1807166	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.340	82	948197	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	414799	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1154701	10.34	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 103.40%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	289227	9.84	PPBV		99
4) CHLORODIFLUOROMETHANE	3.564	67	145482	10.90	PPBV		97
5) CHLOROTRIFLUOROETHENE	3.588	116	717923	10.55	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.637	85	1428178	10.81	PPBV		99
7) PROPYLENE	3.582	41	351523	10.58	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.741	65	1452477	10.82	PPBV		100
9) FREON 114	3.827	85	1964258	11.42	PPBV		100
10) CHLOROMETHANE	3.754	52	183601	10.15	PPBV		96
11) VINYL CHLORIDE	3.913	62	635896	10.39	PPBV		99
12) 1,3-BUTADIENE	4.010	54	433278	10.58	PPBV		99
13) n-BUTANE	4.047	43	884387	10.31	PPBV		100
14) BROMOMETHANE	4.212	94	679544	10.33	PPBV		100
15) CHLOROETHANE	4.335	64	276572	10.00	PPBV		99
16) DICHLOROFLUOROMETHANE	4.402	67	1440521	10.75	PPBV		100
17) ACETONITRILE	4.598	41	510952	10.26	PPBV		100
18) ACROLEIN	4.696	56	236797	10.75	PPBV		99
19) FREON 123	4.714	83	1504243	10.39	PPBV		98
20) FREON 123A	4.757	117	832752	10.20	PPBV		99
21) TRICHLOROFLUOROMETHANE	4.922	101	1628930	11.20	PPBV		100
22) ISOPROPYL ALCOHOL	5.008	45	795358	10.35	PPBV		99
23) ACETONE	4.800	58	241144	9.76	PPBV		100
24) PENTANE	5.210	42	405457	10.44	PPBV		99
25) IODOMETHANE	5.399	142	1277549	11.15	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.460	96	402593	10.54	PPBV		100
27) CARBON DISULFIDE	5.834	76	1232259	11.53	PPBV		100
28) ETHANOL	4.433	45	262756	8.81	PPBV		99
29) BROMOETHENE	4.598	106	663348	10.65	PPBV		99
30) ACRYLONITRILE	5.185	52	243515	10.51	PPBV		99
31) METHYLENE CHLORIDE	5.570	84	381826	10.16	PPBV		100
32) 3-CHLOROPROPENE	5.674	76	186992	11.37	PPBV		98
33) FREON 113	5.797	151	758044	10.68	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.433	96	430829	10.75	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.522	59	758894	11.73	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.690	73	1109262	11.66	PPBV		100
37) TETRAHYDROFURAN	8.226	72	187579	12.41	PPBV		99
38) HEXANE	7.687	57	599216	11.08	PPBV		100
39) VINYL ACETATE	6.788	86	77821	12.73	PPBV		99
40) 1,1-DICHLOROETHANE	6.629	63	736903	10.78	PPBV		99
41) METHYL ETHYL KETONE	7.039	72	191185	12.50	PPBV		99
42) cis-1,2-DICHLOROETHYLENE	7.479	96	452352	10.39	PPBV		99
43) DIISOPROPYL ETHER	7.699	59	182415	11.28	PPBV		99
44) ETHYL ACETATE	7.730	61	138032	11.95	PPBV	#	99
45) METHYL ACRYLATE	7.718	55	768621	11.94	PPBV		99
46) CHLOROFORM	7.797	83	1013419	11.10	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.648	57	693520	11.91	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.862	97	1057653	11.19	PPBV		100
49) CARBON TETRACHLORIDE	9.553	117	1154512	11.07	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56014.D
Acq On : 9 Jan 2025 3:42 pm
Operator : thomash
Sample : icv2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.593	62	632294	11.36	PPBV		100
52)	BENZENE	9.382	78	1307052	11.20	PPBV		99
53)	CYCLOHEXANE	9.688	84	521326	11.45	PPBV		99
54)	2,3-DIMETHYLPENTANE	9.987	71	263997	11.29	PPBV		100
55)	TRICHLOROETHYLENE	10.642	95	639549	10.27	PPBV		100
56)	1,2-DICHLOROPROPANE	10.348	63	487681	10.40	PPBV		99
57)	DIBROMOMETHANE	10.324	174	668080	9.97	PPBV		99
58)	ETHYL ACRYLATE	10.397	55	918706	11.94	PPBV		100
59)	BROMODICHLOROMETHANE	10.593	83	1165557	10.59	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.673	57	1912600	11.40	PPBV		100
61)	1,4-DIOXANE	10.660	88	300368	10.89	PPBV	#	58
62)	HEPTANE	11.015	43	721875	11.79	PPBV		99
63)	METHYL METHACRYLATE	10.923	69	458096	12.41	PPBV		100
64)	METHYL ISOBUTYL KETONE	11.780	58	379009	11.86	PPBV		100
65)	cis-1,3-DICHLOROPROPENE	11.719	75	802724	11.11	PPBV		99
66)	TOLUENE	12.955	92	957244	11.35	PPBV		100
67)	1,3-DICHLOROPROPANE	12.997	76	818803	11.63	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.398	75	767637	10.99	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.600	83	554950	11.21	PPBV		100
71)	2-HEXANONE	13.346	58	551156	12.98	PPBV		99
72)	ETHYL METHACRYLATE	13.383	69	831857	12.92	PPBV		99
73)	TETRACHLOROETHYLENE	14.460	164	756429	11.31	PPBV		100
74)	DIBROMOCHLOROMETHANE	13.499	129	1377497	11.76	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	1065269	12.21	PPBV		100
76)	OCTANE	14.319	43	1054891	12.69	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	890077	11.28	PPBV		100
78)	CHLOROBENZENE	15.402	112	1445763	11.08	PPBV		100
79)	ETHYLBENZENE	15.952	91	2201691	12.75	PPBV		99
80)	m,p-XYLENE	16.228	106	1741866	25.17	PPBV		99
81)	o-XYLENE	16.894	106	860563	12.79	PPBV		99
82)	STYRENE	16.741	104	1291901	13.17	PPBV		100
83)	NONANE	17.304	43	1118648	13.08	PPBV		100
84)	BROMOFORM	16.283	173	1378793	12.04	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1537996	11.97	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1008586	11.45	PPBV		100
88)	ISOPROPYLBENZENE	17.806	105	2517153	12.22	PPBV		100
89)	BROMOBENZENE	17.904	77	1216902	11.51	PPBV		100
90)	2-CHLOROTOLUENE	18.540	126	686676	12.07	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	706248	12.87	PPBV		100
92)	4-ETHYLTOLUENE	18.876	105	2534679	12.99	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	2112295	13.16	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	1064001	12.38	PPBV		100
95)	tert-BUTYLBENZENE	19.611	134	510851	12.98	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2316065	13.25	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1729853	11.91	PPBV		100
98)	BENZYL CHLORIDE	19.806	91	2252446	13.17	PPBV		100
99)	p-DICHLOROBENZENE	19.916	146	1652733	12.10	PPBV		99
100)	sec-BUTYLBENZENE	20.014	134	604242	12.84	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	2267786	13.19	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.259	134	717149	12.85	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	1565945	11.81	PPBV		100
104)	n-BUTYLBENZENE	20.852	134	689513	13.05	PPBV		100
105)	HEXACHLOROETHANE	21.311	117	1088044	11.50	PPBV		99
106)	HEXACHLOROBUTADIENE	23.349	225	1542754	12.08	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.208	180	1456412	11.83	PPBV		99
108)	NAPHTHALENE	22.865	128	3623116	13.66	PPBV		100
110)	TVHC as equiv Pentane	5.210	TIC	2587203	10.65	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56014.D
Acq On : 9 Jan 2025 3:42 pm
Operator : thomash
Sample : icv2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

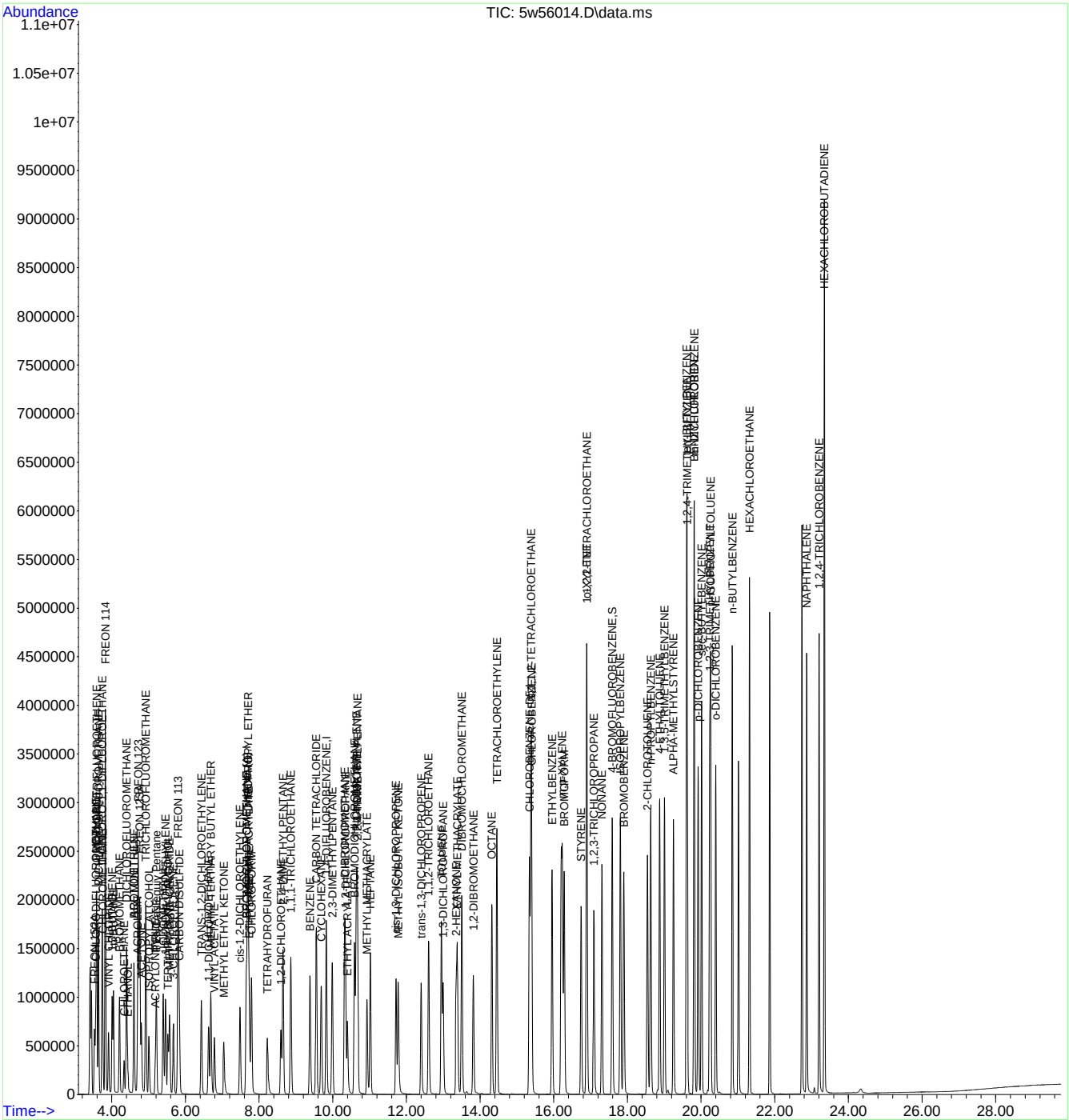
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56014.D
Acq On : 9 Jan 2025 3:42 pm
Operator : thomash
Sample : icv2144-10
Misc : MS88386,V5W2144,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 09 19:05:23 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56672.D
Acq On : 6 Feb 2025 12:46 pm
Operator : thomash
Sample : cc2144-10
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 17:22:54 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.651	128	398727	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	1802170	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.335	82	949524	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.651	128	398727	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.580	95	1240544	11.09	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.90%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	277253	9.82	PPBV		98
4) CHLORODIFLUOROMETHANE	3.558	67	145930	11.37	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.589	116	749513	11.46	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.631	85	1512553	11.91	PPBV		99
7) PROPYLENE	3.582	41	335416	10.50	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	1423073	11.03	PPBV		98
9) FREON 114	3.821	85	1727784	10.45	PPBV		96
10) CHLOROMETHANE	3.754	52	141229	8.12	PPBV		92
11) VINYL CHLORIDE	3.907	62	498008	8.47	PPBV		100
12) 1,3-BUTADIENE	4.005	54	325728	8.27	PPBV		84
13) n-BUTANE	4.041	43	663969	8.06	PPBV		97
14) BROMOMETHANE	4.206	94	597643	9.45	PPBV		99
15) CHLOROETHANE	4.335	64	211911	7.97	PPBV		94
16) DICHLOROFLUOROMETHANE	4.396	67	1264605	9.82	PPBV		98
17) ACETONITRILE	4.598	41	368198	7.69	PPBV		98
18) ACROLEIN	4.690	56	177213	8.37	PPBV		97
19) FREON 123	4.708	83	1344613	9.66	PPBV		98
20) FREON 123A	4.751	117	839574	10.70	PPBV		96
21) TRICHLOROFLUOROMETHANE	4.916	101	1966071	14.07	PPBV		99
22) ISOPROPYL ALCOHOL	5.002	45	827418	11.20	PPBV		99
23) ACETONE	4.800	58	192229	8.10	PPBV	#	70
24) PENTANE	5.204	42	371756	9.96	PPBV		99
25) IODOMETHANE	5.393	142	1319960	11.98	PPBV		92
26) 1,1-DICHLOROETHYLENE	5.454	96	412769	11.24	PPBV		92
27) CARBON DISULFIDE	5.828	76	1170405	11.39	PPBV		99
28) ETHANOL	4.427	45	220140	7.68	PPBV		99
29) BROMOETHENE	4.598	106	579167	9.67	PPBV		93
30) ACRYLONITRILE	5.179	52	218880	9.82	PPBV		96
31) METHYLENE CHLORIDE	5.565	84	367665	10.18	PPBV		98
32) 3-CHLOROPROPENE	5.669	76	182148	11.52	PPBV		93
33) FREON 113	5.797	151	684074	10.03	PPBV		85
34) TRANS-1,2-DICHLOROETHY...	6.427	96	417658	10.85	PPBV		93
35) TERTIARY BUTYL ALCOHOL	5.522	59	648001	10.42	PPBV		99
36) METHYL TERTIARY BUTYL ...	6.684	73	1022047	11.17	PPBV		99
37) TETRAHYDROFURAN	8.214	72	170413	11.73	PPBV		100
38) HEXANE	7.681	57	543463	10.46	PPBV		99
39) VINYL ACETATE	6.782	86	70437	11.99	PPBV	#	93
40) 1,1-DICHLOROETHANE	6.623	63	692518	10.54	PPBV		99
41) METHYL ETHYL KETONE	7.033	72	178828	12.16	PPBV		91
42) cis-1,2-DICHLOROETHYLENE	7.473	96	454485	10.86	PPBV		92
43) DIISOPROPYL ETHER	7.694	59	165700	10.66	PPBV		96
44) ETHYL ACETATE	7.724	61	120600	10.87	PPBV	#	92
45) METHYL ACRYLATE	7.712	55	703859	11.37	PPBV		99
46) CHLOROFORM	7.791	83	1005669	11.46	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.642	57	623673	11.14	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.856	97	1074780	11.83	PPBV		98
49) CARBON TETRACHLORIDE	9.541	117	1226660	12.24	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56672.D
Acq On : 6 Feb 2025 12:46 pm
Operator : thomash
Sample : cc2144-10
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 17:22:54 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.587	62	616415	11.52	PPBV		99
52)	BENZENE	9.376	78	1227163	10.55	PPBV		98
53)	CYCLOHEXANE	9.676	84	480684	10.58	PPBV		96
54)	2,3-DIMETHYLPENTANE	9.982	71	239571	10.27	PPBV		100
55)	TRICHLOROETHYLENE	10.630	95	651473	10.49	PPBV		94
56)	1,2-DICHLOROPROPANE	10.342	63	450350	9.63	PPBV		96
57)	DIBROMOMETHANE	10.318	174	509095	7.62	PPBV	#	74
58)	ETHYL ACRYLATE	10.391	55	838212	10.93	PPBV		99
59)	BROMODICHLOROMETHANE	10.587	83	1194250	10.88	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.667	57	1735026	10.37	PPBV		98
61)	1,4-DIOXANE	10.648	88	301907	10.98	PPBV	#	80
62)	HEPTANE	11.009	43	649416	10.64	PPBV		98
63)	METHYL METHACRYLATE	10.924	69	427602	11.62	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.768	58	338110	10.61	PPBV		92
65)	cis-1,3-DICHLOROPROPENE	11.713	75	802782	11.14	PPBV		99
66)	TOLUENE	12.943	92	907738	10.79	PPBV		98
67)	1,3-DICHLOROPROPANE	12.991	76	777520	11.07	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.392	75	733101	10.52	PPBV		98
69)	1,1,2-TRICHLOROETHANE	12.594	83	530954	10.76	PPBV		99
71)	2-HEXANONE	13.340	58	480497	11.30	PPBV		91
72)	ETHYL METHACRYLATE	13.371	69	742589	11.52	PPBV		98
73)	TETRACHLOROETHYLENE	14.454	164	625790	9.35	PPBV		87
74)	DIBROMOCHLOROMETHANE	13.493	129	1409921	12.02	PPBV		99
75)	1,2-DIBROMOETHANE	13.811	107	1091535	12.50	PPBV		99
76)	OCTANE	14.313	43	941139	11.31	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.377	131	886967	11.23	PPBV		94
78)	CHLOROBENZENE	15.390	112	1400749	10.72	PPBV		98
79)	ETHYLBENZENE	15.946	91	2098705	12.14	PPBV		99
80)	m,p-XYLENE	16.222	106	1718332	24.80	PPBV		99
81)	o-XYLENE	16.888	106	864524	12.83	PPBV		98
82)	STYRENE	16.736	104	1298383	13.22	PPBV		98
83)	NONANE	17.298	43	1048908	12.25	PPBV		99
84)	BROMOFORM	16.277	173	1188184	10.36	PPBV		97
86)	1,1,2,2-TETRACHLOROETHANE	16.895	83	1536005	11.94	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.084	75	961224	10.90	PPBV		94
88)	ISOPROPYLBENZENE	17.800	105	2470465	11.97	PPBV		98
89)	BROMOBENZENE	17.892	77	1170567	11.06	PPBV		93
90)	2-CHLOROTOLUENE	18.534	126	691064	12.13	PPBV		99
91)	n-PROPYLBENZENE	18.626	120	723290	13.16	PPBV		99
92)	4-ETHYLTOLUENE	18.864	105	2532221	12.96	PPBV		96
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	2112900	13.15	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.244	118	1130188	13.13	PPBV		99
95)	tert-BUTYLBENZENE	19.605	134	491976	12.48	PPBV		90
96)	1,2,4-TRIMETHYLBENZENE	19.617	105	2330925	13.32	PPBV		98
97)	m-DICHLOROBENZENE	19.807	146	1654463	11.38	PPBV		99
98)	BENZYL CHLORIDE	19.800	91	2176549	12.71	PPBV		99
99)	p-DICHLOROBENZENE	19.911	146	1637613	11.98	PPBV		98
100)	sec-BUTYLBENZENE	20.008	134	611578	12.98	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	2306495	13.39	PPBV	#	98
102)	p-ISOPROPYLTOLUENE	20.253	134	717751	12.84	PPBV		96
103)	o-DICHLOROBENZENE	20.394	146	1535802	11.57	PPBV		98
104)	n-BUTYLBENZENE	20.847	134	690655	13.05	PPBV		95
105)	HEXACHLOROETHANE	21.305	117	1321405	13.94	PPBV	#	85
106)	HEXACHLOROBUTADIENE	23.343	225	1021518	7.99	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	23.202	180	1178871	9.56	PPBV		95
108)	NAPHTHALENE	22.859	128	3687121	13.89	PPBV		99
110)	TVHC as equiv Pentane	5.204	TIC	2452021	10.50	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56672.D
Acq On : 6 Feb 2025 12:46 pm
Operator : thomash
Sample : cc2144-10
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 17:22:54 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

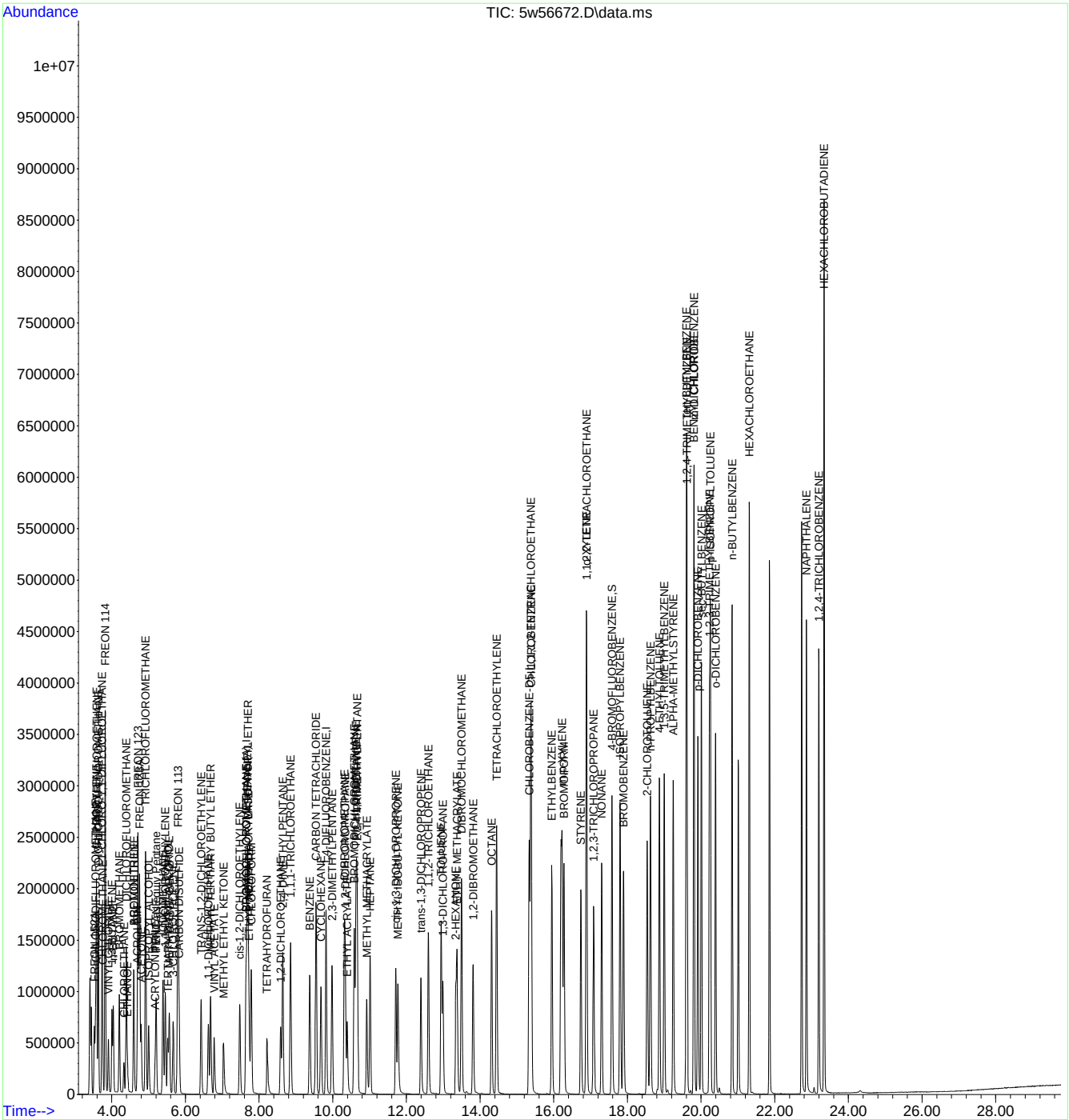
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w56672.D
Acq On : 6 Feb 2025 12:46 pm
Operator : thomash
Sample : cc2144-10
Misc : MS89333,V5W2171,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 17:22:54 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56864.D
Acq On : 13 Feb 2025 5:09 pm
Operator : thomash
Sample : cc2144-10 Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:37:46 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.645	128	442492	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.816	114	2026914	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.328	82	1076657	10.00	PPBV		-0.01
109) BROMOCHLOROMETHANE (A)	7.645	128	442492	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.580	95	1414956	11.16	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 111.60%				
Target Compounds							Qvalue
3) FREON 152A	3.527	65	315517	10.0655	PPBV		99
4) CHLORODIFLUOROMETHANE	3.558	67	169225	11.8801	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.589	116	837854	11.5440	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.638	85	1721608	12.2194	PPBV		99
7) PROPYLENE	3.582	41	393931	11.1141	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.735	65	1643118	11.4714	PPBV		97
9) FREON 114	3.821	85	1956293	10.6644	PPBV		95
10) CHLOROMETHANE	3.754	52	151644	7.8582	PPBV		97
11) VINYL CHLORIDE	3.913	62	530477	8.1270	PPBV		99
12) 1,3-BUTADIENE	4.005	54	358597	8.2070	PPBV	#	81
13) n-BUTANE	4.041	43	709070	7.7516	PPBV		97
14) BROMOMETHANE	4.206	94	644597	9.1847	PPBV		98
15) CHLOROETHANE	4.335	64	221875	7.5226	PPBV		92
16) DICHLOROFLUOROMETHANE	4.396	67	1434979	10.0401	PPBV		98
17) ACETONITRILE	4.592	41	358034	6.7380	PPBV		93
18) ACROLEIN	4.690	56	175901	7.4888	PPBV		95
19) FREON 123	4.708	83	1452450	9.4070	PPBV		97
20) FREON 123A	4.751	117	930353	10.6843	PPBV		96
21) TRICHLOROFLUOROMETHANE	4.916	101	2355357	15.1851	PPBV		100
22) ISOPROPYL ALCOHOL	5.002	45	882736	10.7695	PPBV		99
23) ACETONE	4.794	58	201604	7.6501	PPBV	#	66
24) PENTANE	5.204	42	435362	10.5053	PPBV		97
25) IODOMETHANE	5.393	142	1479122	12.0982	PPBV		89
26) 1,1-DICHLOROETHYLENE	5.454	96	472167	11.5890	PPBV		94
27) CARBON DISULFIDE	5.828	76	1327823	11.6426	PPBV		97
28) ETHANOL	4.427	45	290649	9.1329	PPBV		98
29) BROMOETHENE	4.592	106	620326	9.3331	PPBV		90
30) ACRYLONITRILE	5.173	52	257386	10.4097	PPBV		97
31) METHYLENE CHLORIDE	5.565	84	417636	10.4177	PPBV		99
32) 3-CHLOROPROPENE	5.669	76	209664	11.9486	PPBV		95
33) FREON 113	5.791	151	760404	10.0458	PPBV		83
34) TRANS-1,2-DICHLOROETHY...	6.427	96	470845	11.0171	PPBV		96
35) TERTIARY BUTYL ALCOHOL	5.522	59	759824	11.0088	PPBV		99
36) METHYL TERTIARY BUTYL ...	6.684	73	1223222	12.0493	PPBV		98
37) TETRAHYDROFURAN	8.214	72	197060	12.2217	PPBV		99
38) HEXANE	7.681	57	640287	11.1018	PPBV		99
39) VINYL ACETATE	6.782	86	81733	12.5343	PPBV		98
40) 1,1-DICHLOROETHANE	6.623	63	815334	11.1832	PPBV		99
41) METHYL ETHYL KETONE	7.027	72	208807	12.7947	PPBV		95
42) cis-1,2-DICHLOROETHYLENE	7.473	96	517553	11.1417	PPBV		94
43) DIISOPROPYL ETHER	7.694	59	190888	11.0694	PPBV		93
44) ETHYL ACETATE	7.724	61	140098	11.3735	PPBV	#	86
45) METHYL ACRYLATE	7.706	55	807927	11.7602	PPBV		99
46) CHLOROFORM	7.785	83	1154342	11.8555	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.642	57	718989	11.5735	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.850	97	1246215	12.3598	PPBV		98
49) CARBON TETRACHLORIDE	9.541	117	1452088	13.0541	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56864.D
Acq On : 13 Feb 2025 5:09 pm
Operator : thomash
Sample : cc2144-10 Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:37:46 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.581	62	734587	12.3732	PPBV		99
52)	BENZENE	9.376	78	1403033	10.7201	PPBV		99
53)	CYCLOHEXANE	9.676	84	556900	10.9007	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.982	71	284616	10.8506	PPBV		99
55)	TRICHLOROETHYLENE	10.630	95	742040	10.6261	PPBV		96
56)	1,2-DICHLOROPROPANE	10.336	63	523039	9.9403	PPBV		95
57)	DIBROMOMETHANE	10.312	174	589802	7.8441	PPBV	#	75
58)	ETHYL ACRYLATE	10.391	55	948471	10.9943	PPBV		100
59)	BROMODICHLOROMETHANE	10.581	83	1364584	11.0500	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.661	57	2054336	10.9170	PPBV		97
61)	1,4-DIOXANE	10.648	88	331538	10.7162	PPBV		97
62)	HEPTANE	11.009	43	762962	11.1107	PPBV		98
63)	METHYL METHACRYLATE	10.918	69	487110	11.7665	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.768	58	400264	11.1700	PPBV		95
65)	cis-1,3-DICHLOROPROPENE	11.713	75	943676	11.6406	PPBV		100
66)	TOLUENE	12.943	92	1052940	11.1286	PPBV		97
67)	1,3-DICHLOROPROPANE	12.991	76	896415	11.3522	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.392	75	848518	10.8275	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.594	83	601264	10.8332	PPBV		100
71)	2-HEXANONE	13.340	58	567563	11.7694	PPBV		96
72)	ETHYL METHACRYLATE	13.371	69	863877	11.8207	PPBV		99
73)	TETRACHLOROETHYLENE	14.454	164	727577	9.5845	PPBV		88
74)	DIBROMOCHLOROMETHANE	13.493	129	1670461	12.5558	PPBV		99
75)	1,2-DIBROMOETHANE	13.805	107	1245308	12.5756	PPBV		99
76)	OCTANE	14.313	43	1108440	11.7456	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	15.371	131	1035991	11.5652	PPBV		96
78)	CHLOROBENZENE	15.390	112	1630867	11.0087	PPBV		98
79)	ETHYLBENZENE	15.940	91	2418989	12.3359	PPBV		98
80)	m,p-XYLENE	16.222	106	2048381	26.0711	PPBV		93
81)	o-XYLENE	16.888	106	1041449	13.6293	PPBV		92
82)	STYRENE	16.736	104	1528255	13.7191	PPBV		99
83)	NONANE	17.298	43	1252342	12.8970	PPBV		100
84)	BROMOFORM	16.277	173	1406901	10.8170	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.888	83	1774262	12.1633	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.078	75	1140120	11.4014	PPBV		95
88)	ISOPROPYLBENZENE	17.800	105	2923526	12.4975	PPBV		98
89)	BROMOBENZENE	17.892	77	1347488	11.2285	PPBV		94
90)	2-CHLOROTOLUENE	18.534	126	829344	12.8343	PPBV		99
91)	n-PROPYLBENZENE	18.620	120	863008	13.8511	PPBV		97
92)	4-ETHYLTOLUENE	18.864	105	2971296	13.4084	PPBV		97
93)	1,3,5-TRIMETHYLBENZENE	18.999	105	2455638	13.4746	PPBV		96
94)	ALPHA-METHYLSTYRENE	19.244	118	1307623	13.3941	PPBV		99
95)	tert-BUTYLBENZENE	19.599	134	599209	13.4046	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	19.611	105	2745359	13.8333	PPBV		98
97)	m-DICHLOROBENZENE	19.807	146	1938929	11.7578	PPBV		99
98)	BENZYL CHLORIDE	19.800	91	2558464	13.1779	PPBV		99
99)	p-DICHLOROBENZENE	19.911	146	1911486	12.3272	PPBV		99
100)	sec-BUTYLBENZENE	20.002	134	732451	13.7064	PPBV		99
101)	1,2,3-TRIMETHYLBENZENE	20.223	105	2701433	13.8342	PPBV	#	96
102)	p-ISOPROPYLTOLUENE	20.247	134	855615	13.4968	PPBV		95
103)	o-DICHLOROBENZENE	20.394	146	1822264	12.1035	PPBV		98
104)	n-BUTYLBENZENE	20.840	134	820311	13.6682	PPBV		98
105)	HEXACHLOROETHANE	21.305	117	1635177	15.2157	PPBV	#	85
106)	HEXACHLOROBUTADIENE	23.355	225	1198788	8.2682	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1312992	9.3927	PPBV		95
108)	NAPHTHALENE	22.878	128	4058490	13.4799	PPBV		99
110)	TVHC as equiv Pentane	5.204	TIC	2845655	10.9821	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56864.D
Acq On : 13 Feb 2025 5:09 pm
Operator : thomash
Sample : cc2144-10 Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:37:46 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration

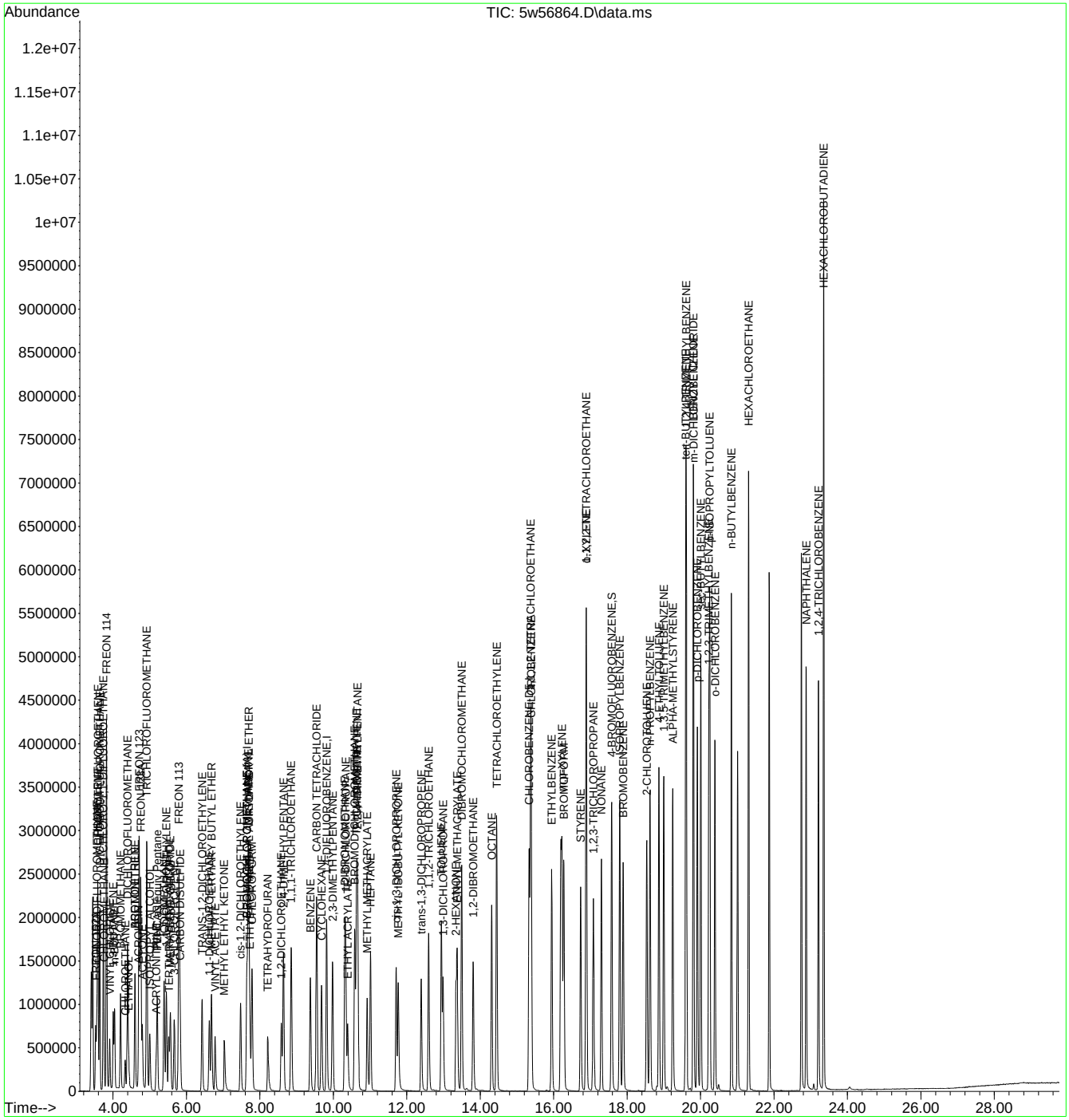
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\021425\v5w2179\
Data File : 5w56864.D
Acq On : 13 Feb 2025 5:09 pm
Operator : thomash
Sample : cc2144-10 Inst : GCMS5W
Misc : MS89421,V5W2179,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 14 11:37:46 2025
Quant Method : C:\msdchem\1\methods\M5w2144.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Thu Jan 09 19:02:22 2025
Response via : Initial Calibration



SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS10298	5/31/2025	100
TO-15 STD	A1789	AS10545	2/7/2025	0.4
TO-15 STD	A1261	AS10534	2/6/2025	40.0
TO-15 STD	A2035	AS10547	2/8/2025	4
TO-15 LCS	A967	AS10539	2/6/2025	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2144
Date: 1/8/2025
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20250108.S
Initial Calibration Method: M5W2144.M
Concentrator Method: 5WTO15C.CTD3
Data Validator(s): Thomas Hilbig

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-4	ib	5w55981			a967	20					-	
1-3	ib	5w55982			a1261	20					-	
1-2	ib	5w55983			a1789	20					-	
1-1	0,0,0	5w55984			a2039	0					-	
1-1	0,0,0	5w55985			A2039	0					-	
1-1	0,0,0	5w55986			A2039	0					-	
1-1	istd only	5w55987			A2039	0					-	
1-1	istd only	5w55988			A2039	0					-	
1-1	istd only	5w55989			A2039	0					-	
1-1	ib	5w55990			A2039	400					-	
1-1	ib	5w55991			A2039	400					-	
1-1	ib	5w55992			A2039	400					-	
1-1	bfb	5w55993			a1789	20					OK	T = 23:56
1-2	ic2144-0.04	5w55994			a1789	40					OK	
1-2	ic2144-0.1	5w55995			A1789	100					OK	
1-2	ic2144-0.2	5w55996			A1789	200					OK	
1-2	ic2144-0.5	5w55997			A1789	500					RR	
1-1	ib	5w55998			A2039	400					-	
1-1	ib	5w55999			A2039	400					-	
1-3	ic2144-0.5	5w56000			a1261	5					NOT USED	Testing purposes only.
1-3	ic2144-5	5w56001			a1261	50					OK	
1-3	icc2144-10	5w56002			a1261	100					OK	
1-3	ic2141-20	5w56003			a1261	200					OK	
1-3	ic2141-40	5w56004			a1261	400					OK	
1-3	ic2141-50	5w56005			a1261	500					OK	
1-1	ib	5w56006			a2039	200					-	
1-1	ib	5w56007			a2039	400					-	
1-4	ib	5w56008			a1261	5					-	
1-1	ib	5w56009			a1261	5					-	
1-5	ib	5w56010			a2035	50					-	
1-1	ib	5w56011			a2039	200					-	
1-1	ib	5w56012			a2039	400					-	
1-6	ic2144-0.5	5w56013			a2035	50					OK	
1-4	icv2144-10	5w56014			a967	80					OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS10298	5/31/2025	100
TO-15 STD	A1789	AS10545	2/7/2025	0.4
TO-15 STD	A1261	AS10534	2/6/2025	40.0
TO-15 STD	A2035	AS10547	2/8/2025	4
TO-15 LCS	A967	AS10539	2/6/2025	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V5W2144**
Date: **1/8/2025**
Laboratory Analyst: **Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20250108.S
Initial Calibration Method: M5W2144.M
Concentrator Method: 5WTO15C.CTD3
Data Validator(s): **Thomas Hilbig**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS		COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS10551	12/17/2025	100
TO-15 STD	A1791	AS10561	2/22/2025	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2171
Date: 2/6/2025
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20250206.S
Initial Calibration Method: M5W2144.M
Concentrator Method: 5WTO15C.CTD3
Data Validator(s): Thomas Hilbig
Data Validator(s):

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-1	bfb	5w56671			a2039	20					OK	T = 12:05
SS4	cc2144-10	5w56672			A1791	80			√	√	OK	TCFM ↑
SS4	bs	5w56673			A1791	80			√	√	OK	TCFM ↑, HCE ↑, Nap ↑
SS4	bsd	5w56674			A1791	80			√	√	OK	TCFM ↑, Nap ↑
1-1	ib	5w56675			a2039	400					-	
1-1	mb	5w56676			a2039	400			↑1		RR	
1-1	mb	5w56677			a2039	400			√	√	OK	
1-2	scc,cp12988	5w56678			m158	400			√	√	OK	
1-3	scc,cp12988	5w56679			m225	400			√	√	OK	
1-4	scc,cp12988	5w56680			a1847	400			√	√	OK	
1-5	scc,cp12988	5w56681			a1826	400			√	√	OK	
1-6	scc,cp12988	5w56682			a343	400			√	√	OK	
1-7	scc,cp12988	5w56683			a195	400			√	√	OK	
1-8	scc,cp12988	5w56684			a646	400			√	√	OK	
1-9	scc,cp12991	5w56685			a2020	400			√	√	OK	
1-10	scc,cp12991	5w56686			a2174	400			√	√	OK	
1-11	scc,cp12991	5w56687			a181	400			√	√	OK	
1-12	scc,cp12991	5w56688			a758	400			√	√	OK	
1-13	scc,cp12991	5w56689			a359	400					NG	Multiple compounds ↑
1-14	scc,cp12991	5w56690			m406	400			√	√	OK	
1-15	scc,cp12991	5w56691			m232	400			√	√	OK	
1-16	scc,cp12991	5w56692			a1800	400			√	√	OK	
1-1	scc,cp12991	5w56693			m149	400			√	√	OK	
1-2	scc,cp12990	5w56694			A2074	400			√	√	OK	
1-3	scc,cp12990	5w56695			A2093	400			√	√	OK	
1-4	scc,cp12990	5w56696			M124	400			√	√	OK	
1-5	scc,cp12990	5w56697			A1350	400			√	√	OK	
1-6	scc,cp12990	5w56698			A1779	400			√	√	OK	
1-7	scc,cp12990	5w56699			A2081	400					not run	Sequence stopped by analyst.
1-8	scc,cp12990	5w56700			A2112	400					not run	
1-9	scc,cp12990	5w56701			A813	400					not run	
1-10	scc,cp12990	5w56702			A2053	400					not run	
1-11	scc,cp12990	5w56703			A319	400					not run	
1-12	scc,cp12990	5w56704			A1335	400					not run	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS10551	12/17/2025	100
TO-15 STD	A1791	AS10561	2/22/2025	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V5W2171**
Date: **2/6/2025**
Laboratory Analyst: **Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20250206.S
Initial Calibration Method: M5W2144.M
Concentrator Method: 5WTO15C.CTD3
Data Validator(s): **Thomas Hilbig**
Data Validator(s):

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS10551	12/17/2025	100
TO-15 STD	A1806	AS10573	3/2/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2179
Date: 2/13/2025
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20250213.S
Initial Calibration Method: M5W2144.M
Concentrator Method: 5WTO15C.CTD3
Data Validator(s): Kristel Valladolid
Data Validator(s): Rosanlie Alfon

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-1	bfb	5w56863			OPEN	400					OK	
SS4	cc2144-10	5w56864			A1806	100			√	√	OK	TCFM ↑, n-PBZ ↑, HCA ↑, ACNIT ↓
SS4	bs	5w56865			A1806	100			√	√	OK	TCFM ↑ , HCA ↑
SS4	bsd	5w56866			A1806	100			√	√	OK	TCFM ↑, HCA ↑, Nap ↑
1-1	ib	5w56867			A2039	400					OK	
1-1	ib	5w56868			A2039	400					OK	
1-1	mb	5w56869			a1335	400			√	√	OK	
1-2	scc, cp12992	5w56870	MS89637		a1777	400			√	√	RR	hits
1-3	scc, cp12992	5w56871	MS89637		a2166	400			√	√	OK	
1-4	scc, cp12992	5w56872	MS89637		a1177	400			√	√	OK	
1-5	scc, cp12992	5w56873	MS89637		a1855	400			√	√	OK	
1-6	scc, cp12992	5w56874	MS89637		a244	400			√	√	OK	
1-7	je5543-1	5w56875	MS89637	NYLL	a1686	500	1		√	√	OK	Ethyl acetate ↑ RR 100cc
1-8	je5543-2	5w56876	MS89637	NYSVLL	a1329	400	1		√	√	OK	
1-8	je5543-2dup	5w56877	MS89637	NYSVLL	a1329	400	1		√	√	OK	
1-9	je5543-3	5w56878	MS89637	NYLL	a1647	500	1		√	√	OK	Overcal RR 20cc
1-10	je5543-4	5w56879	MS89637	NYSVLL	a1632	608	1.52		√	√	OK	Ethyl acetate ↑ RR 100cc
1-11	je5543-5	5w56880	MS89637	NYLL	a1763	500	1		√	√	OK	Ethyl acetate ↑ RR 100cc
1-12	je5163-1	5w56881	MS89421	SL	a1332	100			√	√	OK	
1-13	je5508-6	5w56882	MS89540	STD, Nap	a2568	100			√	√	OK	
1-14	je5508-7	5w56883	MS89540	STD, Nap	a2231	152	1.52		√	√	OK	
1-15	je5508-8	5w56884	MS89540	STD, Nap	a1386	100			√	√	OK	
1-16	je5508-9	5w56885	MS89540	STD, Nap	a2262	100			√	√	OK	
1-7	je5543-1	5w56886	MS89637	NYLL	a1686	100	1		√	√	OK	
1-9	je5543-3	5w56887	MS89637	NYLL	a1647	20	1		√	√	OK	
1-10	je5543-4	5w56888	MS89637	NYSVLL	a1632	100	1.52		√	√	OK	
1-11	je5543-5	5w56889	MS89637	NYLL	a1763	100	1		√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS10551	12/17/2025	100
TO-15 STD	A1806	AS10573	3/2/2025	40
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2179
Date: 2/13/2025
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20250213.S
Initial Calibration Method: M5W2144.M
Concentrator Method: 5WTO15C.CTD3
Data Validator(s): Kristel Valladolid
Data Validator(s): Rosanlie Alfon

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
Notes:												

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQT3117-MB	QT231943.D	1	02/14/25	WC	n/a	n/a	GQT3117

The QC reported here applies to the following samples: **Method:** EPA TO-3

JE5543-1, JE5543-2, JE5543-3, JE5543-4, JE5543-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
74-82-8	Methane	ND	5.0	2.0	ppmv		ND	3.3	mg/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	96%	59-135%
460-00-4	4-Bromofluorobenzene	98%	59-135%

Blank Spike Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQT3117-BS	QT231942.D	1	02/14/25	WC	n/a	n/a	GQT3117

The QC reported here applies to the following samples: **Method:** EPA TO-3

JE5543-1, JE5543-2, JE5543-3, JE5543-4, JE5543-5

CAS No.	Compound	Spike ppmv	BSP ppmv	BSP %	Limits
74-82-8	Methane	100	96.0	96	77-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	92%	59-135%
460-00-4	4-Bromofluorobenzene	106%	59-135%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE5543-1DUP	QT231952.D	1.45	02/14/25	WC	n/a	n/a	GQT3117
JE5543-1	QT231951.D	1.45	02/14/25	WC	n/a	n/a	GQT3117

The QC reported here applies to the following samples: **Method:** EPA TO-3

JE5543-1, JE5543-2, JE5543-3, JE5543-4, JE5543-5

CAS No.	Compound	JE5543-1 ppmv	Q	DUP ppmv	Q	RPD	Limits
74-82-8	Methane	ND		ND		nc	20

CAS No.	Surrogate Recoveries	DUP	JE5543-1	Limits
460-00-4	4-Bromofluorobenzene	99%	101%	59-135%
460-00-4	4-Bromofluorobenzene	101%	101%	59-135%

* = Outside of Control Limits.

Surrogate Recovery Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Method: EPA TO-3 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
JE5543-1	QT231951.D	101	101
JE5543-2	QT231953.D	94	102
JE5543-3	QT231954.D	105	102
JE5543-4	QT231955.D	94	97
JE5543-5	QT231956.D	101	103
GQT3117-BS	QT231942.D	92	106
GQT3117-MB	QT231943.D	96	98
JE5543-1DUP	QT231952.D	99	101

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	59-135%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	GQT3117-CC3114	**Injection Date:**	02/14/25
Lab File ID:	QT231941.D	**Injection Time:**	08:32
Instrument ID:	GCQT	**Method:**	EPA TO-3

	S1 [a] RT	S1 [b] RT
Check Std	17.68	17.68

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
GQT3117-BS	QT231942.D	02/14/25	09:13	17.68	17.68
GQT3117-MB	QT231943.D	02/14/25	09:53	17.68	17.68

Surrogate Compounds

S1 = 4-Bromofluorobenzene

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Check Std:	GQT3117-CC3114	**Injection Date:**	02/14/25
Lab File ID:	QT231946.D	**Injection Time:**	12:02
Instrument ID:	GCQT	**Method:**	EPA TO-3

	S1 [a] RT	S1 [b] RT
Check Std	17.68	17.68

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
JE5543-1	QT231951.D	02/14/25	15:10	17.68	17.68
JE5543-1DUP	QT231952.D	02/14/25	15:49	17.68	17.68
JE5543-2	QT231953.D	02/14/25	16:26	17.68	17.68
JE5543-3	QT231954.D	02/14/25	17:02	17.68	17.68
JE5543-4	QT231955.D	02/14/25	17:38	17.68	17.68
JE5543-5	QT231956.D	02/14/25	18:15	17.68	17.68

Surrogate Compounds

S1 = 4-Bromofluorobenzene

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

Initial Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3114-ICC3114
Lab FileID: QT231866.D

Response Factor Report HP G1530A

Method : C:\msdchem\1\METHODS\MQT3114.M (ChemStation Integrator)
Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
Last Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration

Calibration Files
0.05=qt231861.d 0.1 =qt231862.d 0.5 =qt231863.d 1.0 =qt231864.d
5 =qt231865.d 10 =qt231866.d 100 =qt231867.d

	Compound	0.05	0.1	0.5	1.0	5	10	100	Avg	%RSD
1)	METHYL TERTIARY B	4.080	4.821	4.224	4.469	4.706	4.598	4.611	4.501 E5	5.89
2)	BENZENE	8.120	8.913	7.041	7.796	7.655	7.428	7.839	7.827 E5	7.51
3)	TOLUENE	7.740	8.611	7.984	7.011	7.828	7.841	8.262	7.897 E5	6.26
4)	ETHYLBENZENE	7.024	7.096	6.270	6.120	6.666	6.649	7.246	6.724 E5	6.31
5)	m,p-XYLENE	8.504	9.846	7.857	7.970	9.126	9.171	9.364	8.834 E5	8.41
6)	o-XYLENE	6.701	8.262	6.271	5.489	6.621	6.635	7.526	6.786 E5	13.08
7)	ISOPROPYLBENZENE		1.012	0.607	0.595	0.634	0.638	0.735	0.704 E6	22.61
8)	Naphthalene							8.158	8.158 E5	0.00
9)s	4-Bromofluorobenz	2.741	2.674	2.602	2.696	2.735	2.690	2.728	2.695 E5	1.79

Signal #2

11)	METHANE #2			2.868	2.663	2.469	2.400	2.380	2.556 E5	8.11
12)	ETHANE #2			6.677	6.327	6.575	6.224	6.280	6.417 E5	3.08
13)	PROPANE #2			7.790	8.573	8.071	7.971	7.909	8.063 E5	3.76
14)	n-BUTANE #2			1.116	1.198	1.063	1.077	1.094	1.110 E6	4.79
15)	PENTANE #2			1.200	1.299	1.302	1.277	1.304	1.276 E6	3.46
16)	TERTIARY BUTYL AL			8.862	9.296	9.134	8.222	9.362	8.975 E5	5.16
17)	METHYL TERTIARY B	0.896	1.072	1.012	0.968	1.009	0.980	1.007	0.992 E6	5.42
18)	HEXANE #2			1.593	1.367	1.478	1.433	1.491	1.472 E6	5.64
19)	BENZENE #2	1.550	1.693	1.394	1.589	1.475	1.425	1.451	1.511 E6	6.98
20)	TOLUENE #2	1.512	1.737	1.511	1.412	1.490	1.491	1.623	1.539 E6	6.95
21)	ETHYLBENZENE #2	1.510	1.527	1.277	1.305	1.449	1.454	1.609	1.447 E6	8.26
22)	m,p-XYLENE #2	1.754	1.817	1.365	1.424	1.649	1.688	1.909	1.658 E6	12.03
23)	o-XYLENE #2	1.487	1.303	1.435	1.311	1.451	1.465	1.775	1.461 E6	10.73
24)	Isopropylbenzene		1.793	1.451	1.376	1.576	1.556	1.962	1.619 E6	13.56
25)	Naphthalene #2							1.060	1.060 E6	0.00
26)s	4-Bromofluorobenz	2.495	2.557	2.383	2.512	2.573	2.433	3.251	2.601 E5	11.32
27)H	TPH AS EQUIV PENT			1.283	1.318	1.302	1.298	1.323	1.305 E6	1.23
28)H	TPH AS EQUIV METH			2.889	2.622	2.456	2.383	2.377	2.545 E5	8.49
29)H	TPH AS EQUIV HEXA			1.500	1.455	1.477	1.504	1.525	1.492 E6	1.82
30)H	TPH Range A as Me			2.945	2.670	2.421	2.391	2.369	2.559 E5	9.66
31)H	TPH Range A as Me			2.943	2.626	2.421	2.387	2.405	2.557 E5	9.27
32)H	TPH Range B as Pe			1.321	1.312	1.291	1.298	1.319	1.308 E6	1.00
33)H	TPH Range A as Pr			8.377	8.205	7.822	7.858	8.034	8.059 E5	2.91
34)H	TPH Range B as He			1.490	1.468	1.475	1.492	1.533	1.491 E6	1.69

(#) = Out of Range

MQT3114.M Tue Jan 28 11:51:17 2025

8.6.1

8

Initial Calibration Verification

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3114-ICV3114
Lab FileID: QT231868.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231868.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 16:15:09
Operator : williamc
Sample : icv3114-10
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:49:15 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	450.109	474.152 E3	-5.3	103	-0.02
2	BENZENE	782.736	761.924 E3	2.7	103	-0.01
3	TOLUENE	789.675	787.260 E3	0.3	100	-0.01
4	ETHYLBENZENE	672.446	673.586 E3	-0.2	101	0.00
5	m,p-XYLENE	883.398	927.872 E3	-5.0	101	0.00
6	o-XYLENE	678.645	666.331 E3	1.8	100	0.00
7	ISOPROPYLBENZENE	0.704	0.651 E6	7.5	102	0.00
9 s	4-Bromofluorobenzene	269.504	273.899 E3	-1.6	102	0.00

Signal #2

11	METHANE #2	255.580	241.057 E3	5.7	100	0.00
12	ETHANE #2	641.672	647.736 E3	-0.9	104	0.00
13	PROPANE #2	806.265	807.032 E3	-0.1	101	0.00
14	n-BUTANE #2	1.110	1.074 E6	3.2	100	-0.01
15	PENTANE #2	1.276	1.284 E6	-0.6	101	-0.02
16	TERTIARY BUTYL ALCOHOL #2	897.537	883.304 E3	1.6	107	-0.02
17	METHYL TERTIARY BUTYL ETHER	992.159	1017.009 E3	-2.5	104	-0.02
18	HEXANE #2	1.472	1.553 E6	-5.5	108	-0.02
19	BENZENE #2	1.511	1.450 E6	4.0	102	-0.01
20	TOLUENE #2	1.539	1.502 E6	2.4	101	-0.01
21	ETHYLBENZENE #2	1.447	1.460 E6	-0.9	100	0.00
22	m,p-XYLENE #2	1.658	1.664 E6	-0.4	99	0.00
23	o-XYLENE #2	1.461	1.499 E6	-2.6	102	0.00
24	Isopropylbenzene #2	1.619	1.591 E6	1.7	102	0.00
26 s	4-Bromofluorobenzene #2	260.056	251.901 E3	3.1	104	0.00
27 H	TPH AS EQUIV PENTANE #2	1.305	1.323 E6	-1.4	102	0.00
28 H	TPH AS EQUIV METHANE #2	254.535	240.406 E3	5.6	101	0.00
29 H	TPH AS EQUIV HEXANE #2	1.492	1.541 E6	-3.3	102	0.00
30 H	TPH Range A as Methane #2	255.914	240.320 E3	6.1	101	0.00

Initial Calibration Verification

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3114-ICV3114
Lab FileID: QT231868.D

31	H	TPH Range A as Methane-CH4	255.655	242.406	E3	5.2	102	0.00
32	H	TPH Range B as Pentane #2	1.308	1.316	E6	-0.6	101	0.00
33	H	TPH Range A as Propane #2	805.939	782.539	E3	2.9	100	0.00
34	H	TPH Range B as Hexane #2	1.491	1.534	E6	-2.9	103	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3114.M Tue Jan 28 11:50:44 2025

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3117-CC3114
Lab FileID: QT231941.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231941.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 14-Feb-25, 08:32:14
Operator : williamc
Sample   : cc3114-5
Misc   : GC64326,GQT3117,,,,,1
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 14:52:56 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	450.109	423.523 E3	5.9	90	0.00
2	BENZENE	782.736	670.040 E3	14.4	88	0.00
3	TOLUENE	789.675	683.341 E3	13.5	87	0.00
4	ETHYLBENZENE	672.446	587.083 E3	12.7	88	0.00
5	m,p-XYLENE	883.398	827.322 E3	6.3	91	0.00
6	o-XYLENE	678.645	583.828 E3	14.0	88	0.00
7	ISOPROPYLBENZENE	0.704	0.565 E6	19.7	89	0.00
9 s	4-Bromofluorobenzene	269.504	282.708 E3	-4.9	103	0.00
Signal #2						
11	METHANE #2	255.580	214.984 E3	15.9	87	0.00
12	ETHANE #2	641.672	567.428 E3	11.6	86	0.00
13	PROPANE #2	806.265	699.149 E3	13.3	87	0.00
14	n-BUTANE #2	1.110	0.941 E6	15.2	89	0.00
15	PENTANE #2	1.276	1.136 E6	11.0	87	0.00
16	TERTIARY BUTYL ALCOHOL #2	897.537	662.549 E3	26.2	73	0.00
17	METHYL TERTIARY BUTYL ETHER	992.159	870.473 E3	12.3	86	0.00
18	HEXANE #2	1.472	1.270 E6	13.7	86	0.00
19	BENZENE #2	1.511	1.198 E6	20.7	81	0.00
20	TOLUENE #2	1.539	1.337 E6	13.1	90	0.00
21	ETHYLBENZENE #2	1.447	1.237 E6	14.5	85	0.00
22	m,p-XYLENE #2	1.658	1.400 E6	15.6	85	0.00
23	o-XYLENE #2	1.461	1.271 E6	13.0	88	0.00
24	Isopropylbenzene #2	1.619	1.322 E6	18.3	84	0.00
26 s	4-Bromofluorobenzene #2	260.056	252.017 E3	3.1	98	0.00
27 H	TPH AS EQUIV PENTANE #2	1.305	1.148 E6	12.0	88	0.00
28 H	TPH AS EQUIV METHANE #2	254.535	214.223 E3	15.8	87	0.00
29 H	TPH AS EQUIV HEXANE #2	1.492	1.326 E6	11.1	90	0.00
30 H	TPH Range A as Methane #2	255.914	212.891 E3	16.8	88	0.00

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3117-CC3114
Lab FileID: QT231941.D

31	H	TPH Range A as Methane-CH4	255.655	216.362	E3	15.4	89	0.00
32	H	TPH Range B as Pentane #2	1.308	1.170	E6	10.6	91	0.00
33	H	TPH Range A as Propane #2	805.939	694.284	E3	13.9	89	0.00
34	H	TPH Range B as Hexane #2	1.491	1.291	E6	13.4	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3114.M Mon Feb 17 15:56:14 2025

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3117-CC3114
Lab FileID: QT231946.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231946.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 14-Feb-25, 12:02:37
Operator : williamc
Sample   : cc3114-10
Misc   : GC64425,GQT3117,,,,,1
ALS Vial : 6   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:30:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	450.109	480.841 E3	-6.8	105	0.00
2	BENZENE	782.736	788.504 E3	-0.7	106	0.00
3	TOLUENE	789.675	791.132 E3	-0.2	101	0.00
4	ETHYLBENZENE	672.446	687.306 E3	-2.2	103	0.00
5	m,p-XYLENE	883.398	954.701 E3	-8.1	104	0.00
6	o-XYLENE	678.645	699.072 E3	-3.0	105	0.00
7	ISOPROPYLBENZENE	0.704	0.664 E6	5.7	104	0.00
9 s	4-Bromofluorobenzene	269.504	285.308 E3	-5.9	106	0.00
	Signal #2					
11	METHANE #2	255.580	246.930 E3	3.4	103	0.02
12	ETHANE #2	641.672	640.727 E3	0.1	103	0.00
13	PROPANE #2	806.265	808.990 E3	-0.3	101	0.00
14	n-BUTANE #2	1.110	1.082 E6	2.5	100	0.01
15	PENTANE #2	1.276	1.308 E6	-2.5	102	0.01
16	TERTIARY BUTYL ALCOHOL #2	897.537	886.161 E3	1.3	108	0.00
17	METHYL TERTIARY BUTYL ETHER	992.159	1019.884 E3	-2.8	104	0.00
18	HEXANE #2	1.472	1.500 E6	-1.9	105	0.00
19	BENZENE #2	1.511	1.440 E6	4.7	101	0.00
20	TOLUENE #2	1.539	1.535 E6	0.3	103	0.00
21	ETHYLBENZENE #2	1.447	1.481 E6	-2.3	102	0.00
22	m,p-XYLENE #2	1.658	1.701 E6	-2.6	101	0.00
23	o-XYLENE #2	1.461	1.510 E6	-3.4	103	0.00
24	Isopropylbenzene #2	1.619	1.585 E6	2.1	102	0.00
26 s	4-Bromofluorobenzene #2	260.056	252.486 E3	2.9	104	0.00
27 H	TPH AS EQUIV PENTANE #2	1.305	1.358 E6	-4.1	105	0.00
28 H	TPH AS EQUIV METHANE #2	254.535	248.079 E3	2.5	104	0.00
29 H	TPH AS EQUIV HEXANE #2	1.492	1.545 E6	-3.6	103	0.00
30 H	TPH Range A as Methane #2	255.914	244.700 E3	4.4	102	0.00

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3117-CC3114
Lab FileID: QT231946.D

31	H	TPH Range A as Methane-CH4	255.655	246.189	E3	3.7	103	0.00
32	H	TPH Range B as Pentane #2	1.308	1.349	E6	-3.1	104	0.00
33	H	TPH Range A as Propane #2	805.939	804.913	E3	0.1	102	0.00
34	H	TPH Range B as Hexane #2	1.491	1.525	E6	-2.3	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3114.M Mon Feb 17 15:55:49 2025

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3117-CC3114
Lab FileID: QT231950.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231950.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 14-Feb-25, 14:35:34
Operator : williamc
Sample   : cc3114-5
Misc   : GC64425,GQT3117,,,,,1
ALS Vial : 10   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:32:53 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	450.109	419.530 E3	6.8	89	0.00
2	BENZENE	782.736	657.329 E3	16.0	86	0.00
3	TOLUENE	789.675	684.702 E3	13.3	87	0.00
4	ETHYLBENZENE	672.446	593.956 E3	11.7	89	0.00
5	m,p-XYLENE	883.398	813.649 E3	7.9	89	0.00
6	o-XYLENE	678.645	589.770 E3	13.1	89	0.00
7	ISOPROPYLBENZENE	0.704	0.573 E6	18.6	90	0.00
9 s	4-Bromofluorobenzene	269.504	276.787 E3	-2.7	101	0.00
	Signal #2					
11	METHANE #2	255.580	221.365 E3	13.4	90	0.00
12	ETHANE #2	641.672	576.473 E3	10.2	88	0.00
13	PROPANE #2	806.265	670.462 E3	16.8	83	0.00
14	n-BUTANE #2	1.110	0.983 E6	11.4	93	0.01
15	PENTANE #2	1.276	1.169 E6	8.4	90	0.01
16	TERTIARY BUTYL ALCOHOL #2	897.537	728.958 E3	18.8	80	0.01
17	METHYL TERTIARY BUTYL ETHER	992.159	886.140 E3	10.7	88	0.01
18	HEXANE #2	1.472	1.327 E6	9.9	90	0.00
19	BENZENE #2	1.511	1.273 E6	15.8	86	0.00
20	TOLUENE #2	1.539	1.329 E6	13.6	89	0.00
21	ETHYLBENZENE #2	1.447	1.288 E6	11.0	89	0.00
22	m,p-XYLENE #2	1.658	1.470 E6	11.3	89	0.00
23	o-XYLENE #2	1.461	1.282 E6	12.3	88	0.00
24	Isopropylbenzene #2	1.619	1.467 E6	9.4	93	0.00
26 s	4-Bromofluorobenzene #2	260.056	251.507 E3	3.3	98	0.00
27 H	TPH AS EQUIV PENTANE #2	1.305	1.175 E6	10.0	90	0.00
28 H	TPH AS EQUIV METHANE #2	254.535	220.086 E3	13.5	90	0.00
29 H	TPH AS EQUIV HEXANE #2	1.492	1.336 E6	10.5	90	0.00
30 H	TPH Range A as Methane #2	255.914	220.921 E3	13.7	91	0.00

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3117-CC3114
Lab FileID: QT231950.D

31	H	TPH Range A as Methane-CH4	255.655	220.669	E3	13.7	91	0.00
32	H	TPH Range B as Pentane #2	1.308	1.184	E6	9.5	92	0.00
33	H	TPH Range A as Propane #2	805.939	718.400	E3	10.9	92	0.00
34	H	TPH Range B as Hexane #2	1.491	1.332	E6	10.7	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3114.M Mon Feb 17 15:56:16 2025

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3117-CC3114
Lab FileID: QT231957.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : qt231957.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 14-Feb-25, 18:53:05
Operator : williamc
Sample   : cc3114-10
Misc   : GC64425,GQT3117,,,,,1
ALS Vial : 18   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:46:06 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	METHYL TERTIARY BUTYL ETHER	450.109	476.961 E3	-6.0	104	0.00
2	BENZENE	782.736	782.124 E3	0.1	105	0.00
3	TOLUENE	789.675	801.948 E3	-1.6	102	0.00
4	ETHYLBENZENE	672.446	690.581 E3	-2.7	104	0.00
5	m,p-XYLENE	883.398	956.430 E3	-8.3	104	0.00
6	o-XYLENE	678.645	692.092 E3	-2.0	104	0.00
7	ISOPROPYLBENZENE	0.704	0.654 E6	7.1	102	0.00
9 s	4-Bromofluorobenzene	269.504	290.743 E3	-7.9	108	0.00

Signal #2

11	METHANE #2	255.580	247.896 E3	3.0	103	0.00
12	ETHANE #2	641.672	643.064 E3	-0.2	103	0.00
13	PROPANE #2	806.265	809.175 E3	-0.4	102	0.00
14	n-BUTANE #2	1.110	1.107 E6	0.3	103	0.00
15	PENTANE #2	1.276	1.313 E6	-2.9	103	0.00
16	TERTIARY BUTYL ALCOHOL #2	897.537	900.596 E3	-0.3	110	0.00
17	METHYL TERTIARY BUTYL ETHER	992.159	1040.953 E3	-4.9	106	0.00
18	HEXANE #2	1.472	1.532 E6	-4.1	107	0.00
19	BENZENE #2	1.511	1.436 E6	5.0	101	0.00
20	TOLUENE #2	1.539	1.541 E6	-0.1	103	0.00
21	ETHYLBENZENE #2	1.447	1.485 E6	-2.6	102	0.00
22	m,p-XYLENE #2	1.658	1.689 E6	-1.9	100	0.00
23	o-XYLENE #2	1.461	1.517 E6	-3.8	104	0.00
24	Isopropylbenzene #2	1.619	1.669 E6	-3.1	107	0.00
26 s	4-Bromofluorobenzene #2	260.056	268.626 E3	-3.3	110	0.00
27 H	TPH AS EQUIV PENTANE #2	1.305	1.344 E6	-3.0	104	0.00
28 H	TPH AS EQUIV METHANE #2	254.535	248.516 E3	2.4	104	0.00
29 H	TPH AS EQUIV HEXANE #2	1.492	1.545 E6	-3.6	103	0.00
30 H	TPH Range A as Methane #2	255.914	250.439 E3	2.1	105	0.00

Continuing Calibration Summary

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Sample: GQT3117-CC3114
Lab FileID: QT231957.D

31	H	TPH Range A as Methane-CH4	255.655	246.119	E3	3.7	103	0.00
32	H	TPH Range B as Pentane #2	1.308	1.354	E6	-3.5	104	0.00
33	H	TPH Range A as Propane #2	805.939	806.301	E3	-0.0	103	0.00
34	H	TPH Range B as Hexane #2	1.491	1.523	E6	-2.1	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MQT3114.M Mon Feb 17 15:55:51 2025

Run Sequence Report

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: GQT3114	**Method:** EPA TO-3	**Instrument ID:** GCQT

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GQT3114-IC3114	QT231861.D	01/24/25 11:19	n/a	Initial cal 0.05
GQT3114-IC3114	QT231862.D	01/24/25 11:59	n/a	Initial cal 0.1
GQT3114-IC3114	QT231863.D	01/24/25 12:44	n/a	Initial cal 0.5
GQT3114-IC3114	QT231864.D	01/24/25 13:27	n/a	Initial cal 1.0
GQT3114-IC3114	QT231865.D	01/24/25 14:09	n/a	Initial cal 5
GQT3114-ICC3114	QT231866.D	01/24/25 14:51	n/a	Initial cal 10
GQT3114-IC3114	QT231867.D	01/24/25 15:33	n/a	Initial cal 100
GQT3114-ICV3114	QT231868.D	01/24/25 16:15	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE5543
Account: PSSNJW Paulus, Sokolowski and Sartor Inc
Project: Edge on Hudson, Sleepy Hollow, NY

Run ID: GQT3117	**Method:** EPA TO-3	**Instrument ID:** GCQT

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GQT3117-CC3114	QT231941.D	02/14/25 08:32	n/a	Continuing cal 5
GQT3117-BS	QT231942.D	02/14/25 09:13	n/a	Blank Spike
GQT3117-MB	QT231943.D	02/14/25 09:53	n/a	Method Blank
GQT3117-CC3114	QT231946.D	02/14/25 12:02	n/a	Continuing cal 10
GQT3117-CC3114	QT231950.D	02/14/25 14:35	n/a	Continuing cal 5
JE5543-1	QT231951.D	02/14/25 15:10	n/a	21125 AMBIENT
JE5543-1DUP	QT231952.D	02/14/25 15:49	n/a	Duplicate
JE5543-2	QT231953.D	02/14/25 16:26	n/a	21125 VP-06 SOIL VAPOR
JE5543-3	QT231954.D	02/14/25 17:02	n/a	21125 VP-06 INDOOR
JE5543-4	QT231955.D	02/14/25 17:38	n/a	21125 VP-07 SOIL VAPOR
JE5543-5	QT231956.D	02/14/25 18:15	n/a	21125 VP-07 INDOOR
GQT3117-CC3114	QT231957.D	02/14/25 18:53	n/a	Continuing cal 10

GC Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231951.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 15:10:55
Operator : williamc
Sample : je5543-1
Misc : GC64417,GQT3117,,,,,1.45
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:36:15 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.681	2709384	10.053 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery = 100.53%	
26) s 4-Bromofluorobenzene #2	17.683	2629043	10.110 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery = 101.10%	
Target Compounds			
30) H TPH Range A as Methan...	6.000	1481230	5.788 ppmv

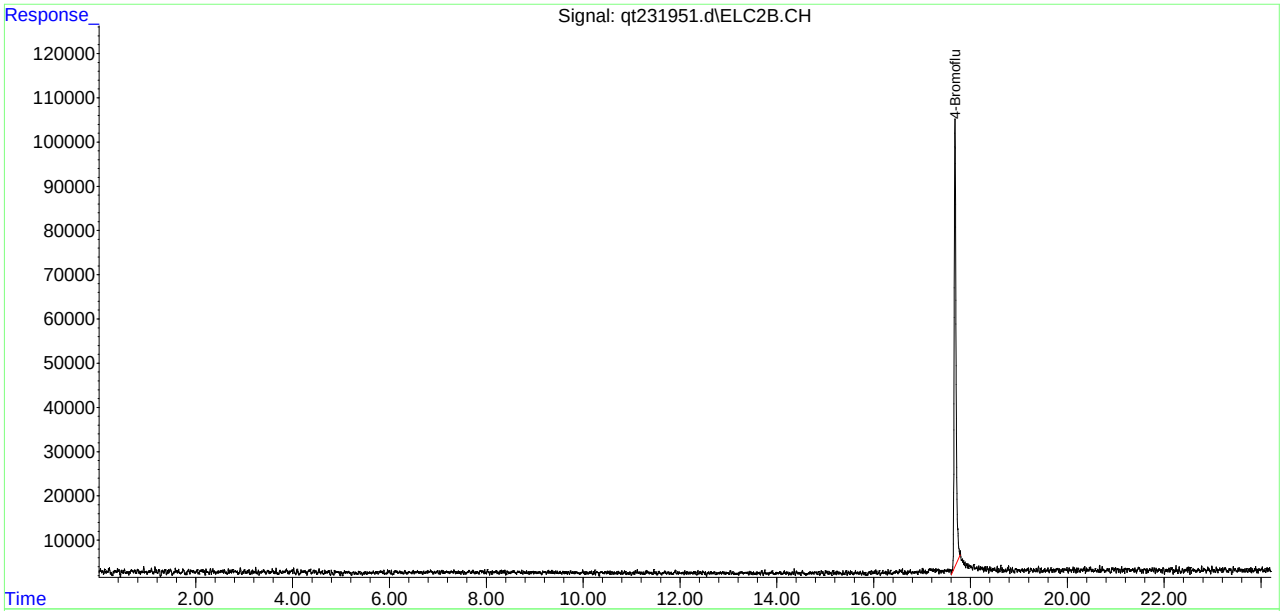
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231951.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 15:10:55
Operator : williamc
Sample : je5543-1
Misc : GC64417,GQT3117,,,,,1.45
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:36:15 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231953.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 16:26:17
Operator : williamc
Sample : je5543-2
Misc : GC64417,GQT3117,,,,,1.43
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:39:19 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.682	2739835	10.166 PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	101.66%
26) s	4-Bromofluorobenzene #2	17.683	2449258	9.418 PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	94.18%
	Target Compounds			
13)	PROPANE #2	4.237	551102	0.684 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	3007045	11.814 PPMV
30) H	TPH Range A as Methan...	6.000	3828572	14.960 ppmv
31) H	TPH Range A as Methan...	6.000	2846725	11.135 PPMV

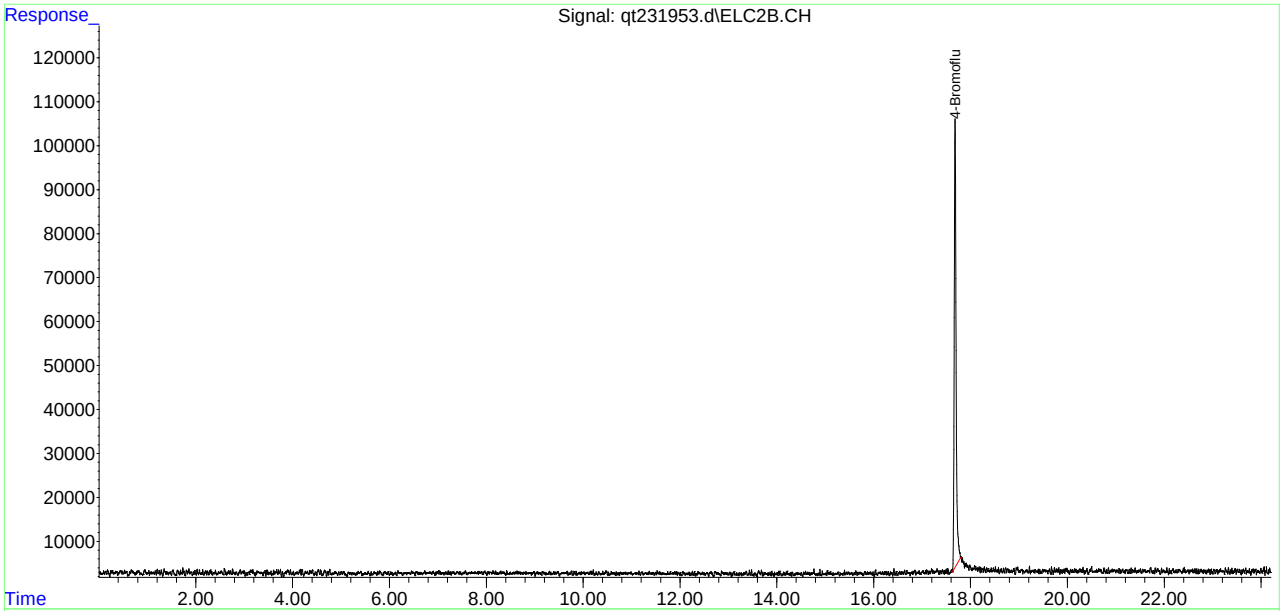
(f)=RT Delta > 1/2 Window (m)=manual int.

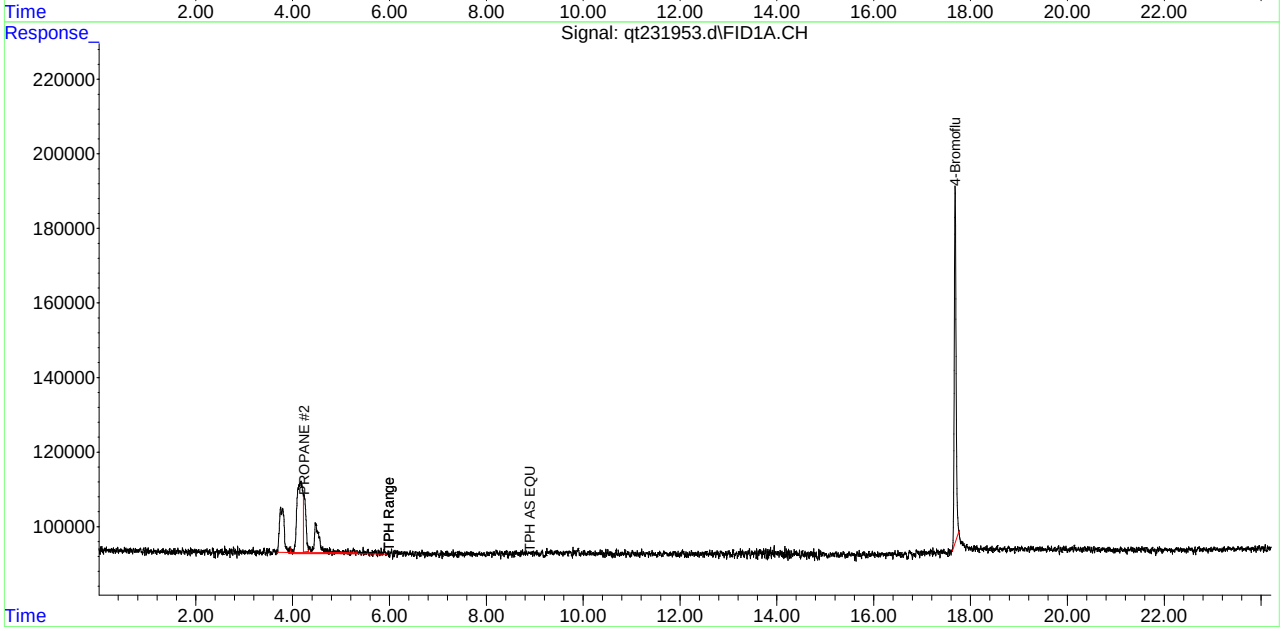
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231953.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 16:26:17
Operator : williamc
Sample : je5543-2
Misc : GC64417,GQT3117,,,,,1.43
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:39:19 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231954.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 17:02:16
Operator : williamc
Sample : je5543-3
Misc : GC64417,GQT3117,,,,,1.65
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:40:37 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.682	2745157	10.186 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery = 101.86%	
26) s 4-Bromofluorobenzene #2	17.683	2724945	10.478 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery = 104.78%	
Target Compounds			

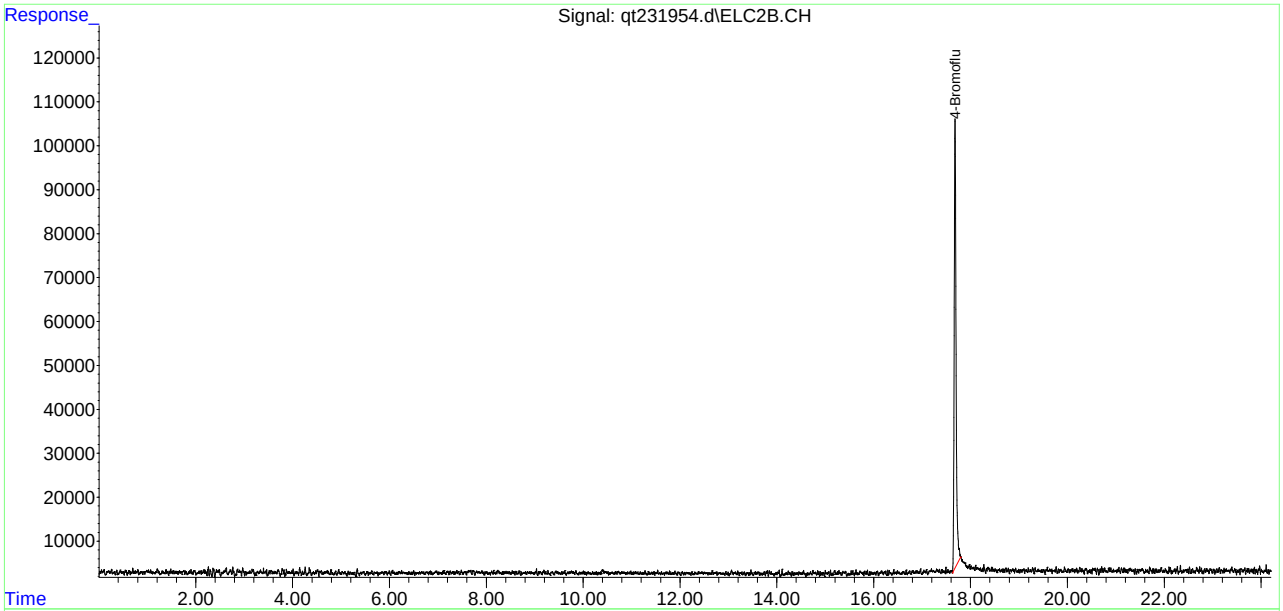
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231954.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 17:02:16
Operator : williamc
Sample : je5543-3
Misc : GC64417,GQT3117,,,,,1.65
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:40:37 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231955.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 17:38:42
Operator : williamc
Sample : je5543-4
Misc : GC64417,GQT3117,,,,,1.75
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:42:07 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.681	2622610	9.731 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	97.31%
26) s 4-Bromofluorobenzene #2	17.683	2435620	9.366 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	93.66%
Target Compounds			
28) H TPH AS EQUIV METHANE #2	8.900	1288215	5.061 PPMV
30) H TPH Range A as Methan...	6.000	2191411	8.563 ppmv
31) H TPH Range A as Methan...	6.000	1375096	5.379 PPMV

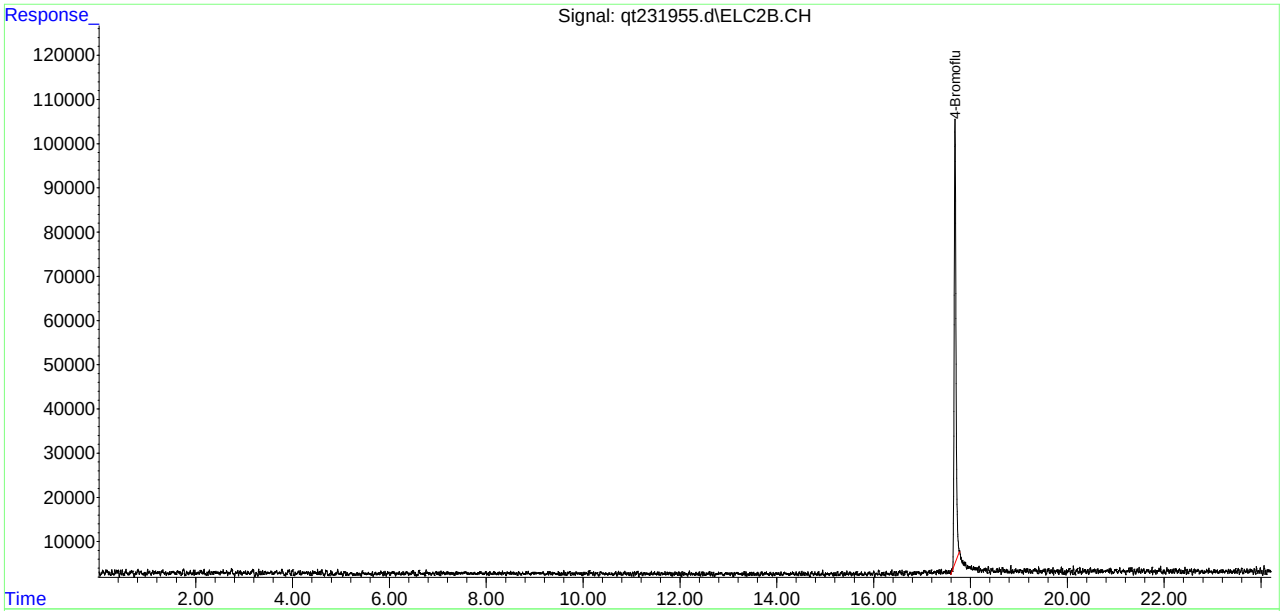
(f)=RT Delta > 1/2 Window (m)=manual int.

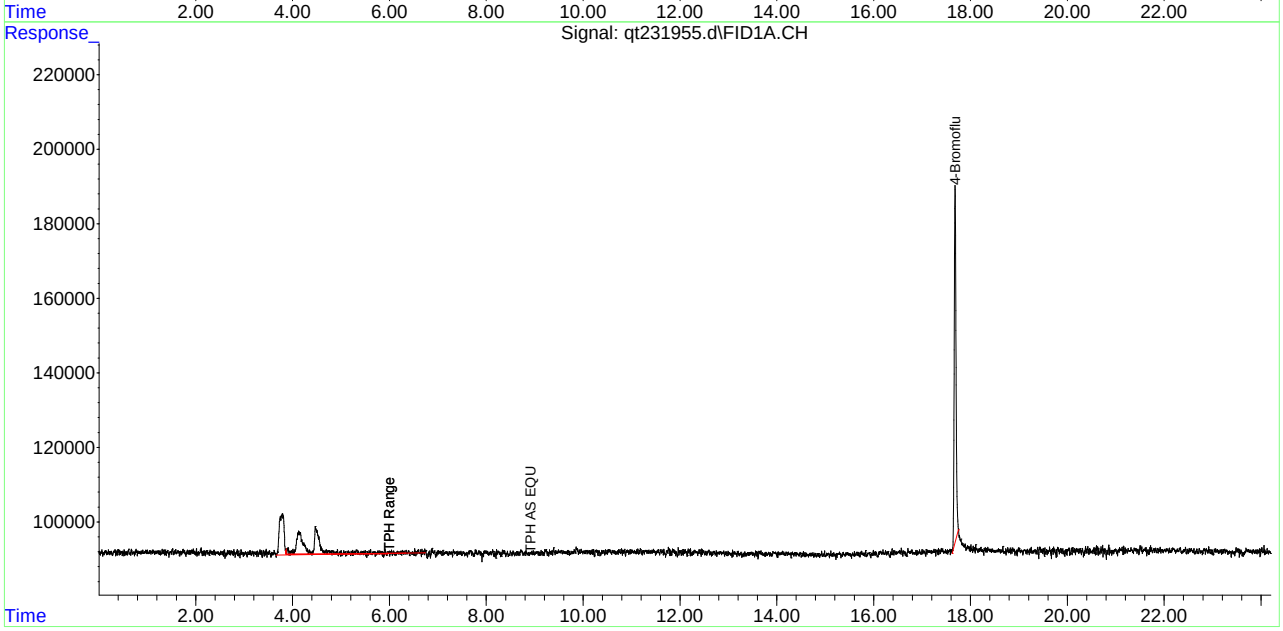
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231955.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 17:38:42
Operator : williamc
Sample : je5543-4
Misc : GC64417,GQT3117,,,,,1.75
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:42:07 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231956.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 18:15:21
Operator : williamc
Sample : je5543-5
Misc : GC64417,GQT3117,,,,,1.52
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:43:39 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.681	2787743	10.344 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery = 103.44%	
26) s 4-Bromofluorobenzene #2	17.682	2637740	10.143 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery = 101.43%	
Target Compounds			
30) H TPH Range A as Methan...	6.000	1290802	5.044 ppmv

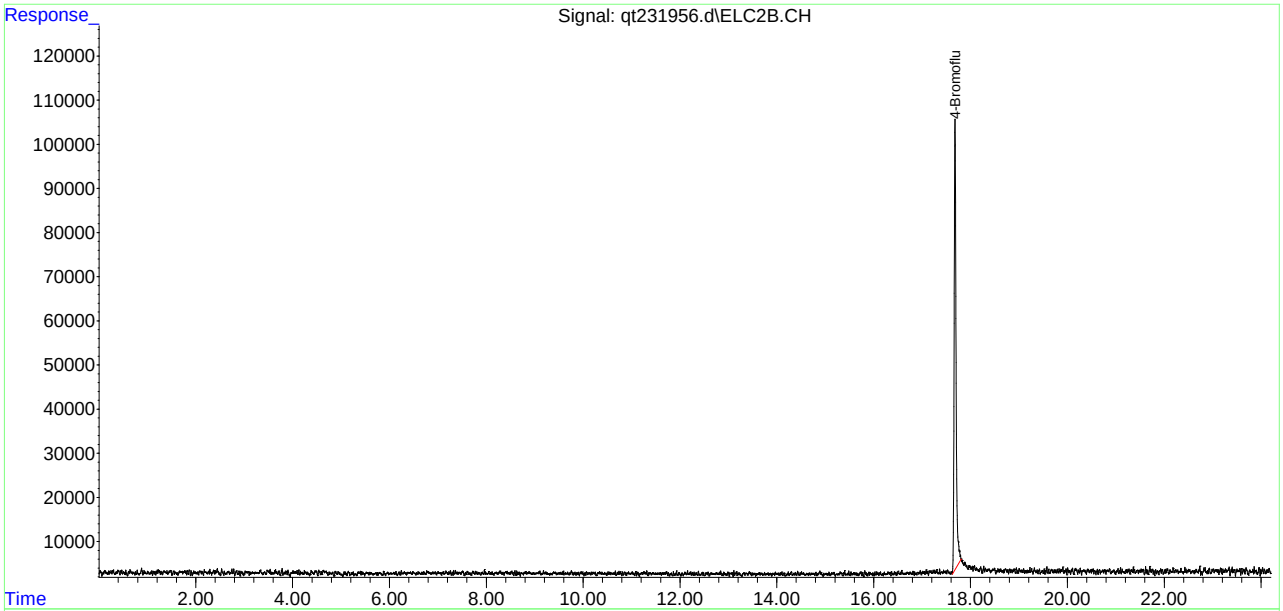
(f)=RT Delta > 1/2 Window (m)=manual int.

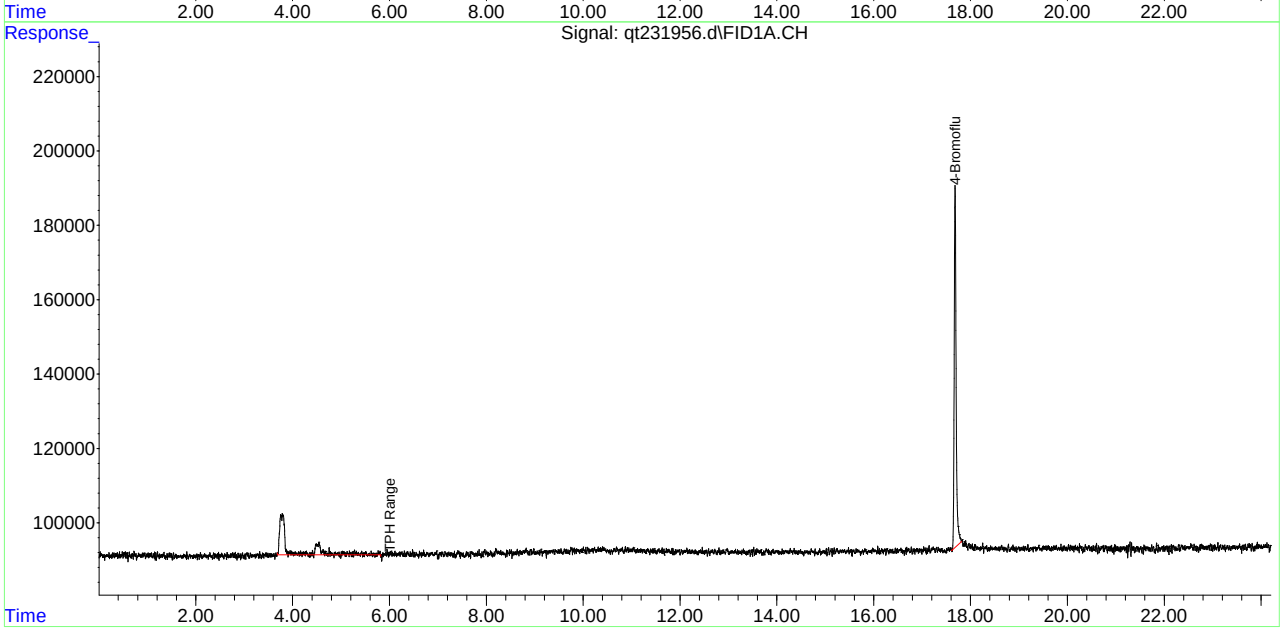
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231956.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 18:15:21
Operator : williamc
Sample : je5543-5
Misc : GC64417,GQT3117,,,,,1.52
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:43:39 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231943.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 09:53:22
Operator : williamc
Sample : mb
Misc : GC64326,GQT3117,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:28:43 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.681	2638750	9.791 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	97.91%
26) s 4-Bromofluorobenzene #2	17.683	2501298	9.618 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	96.18%
Target Compounds			

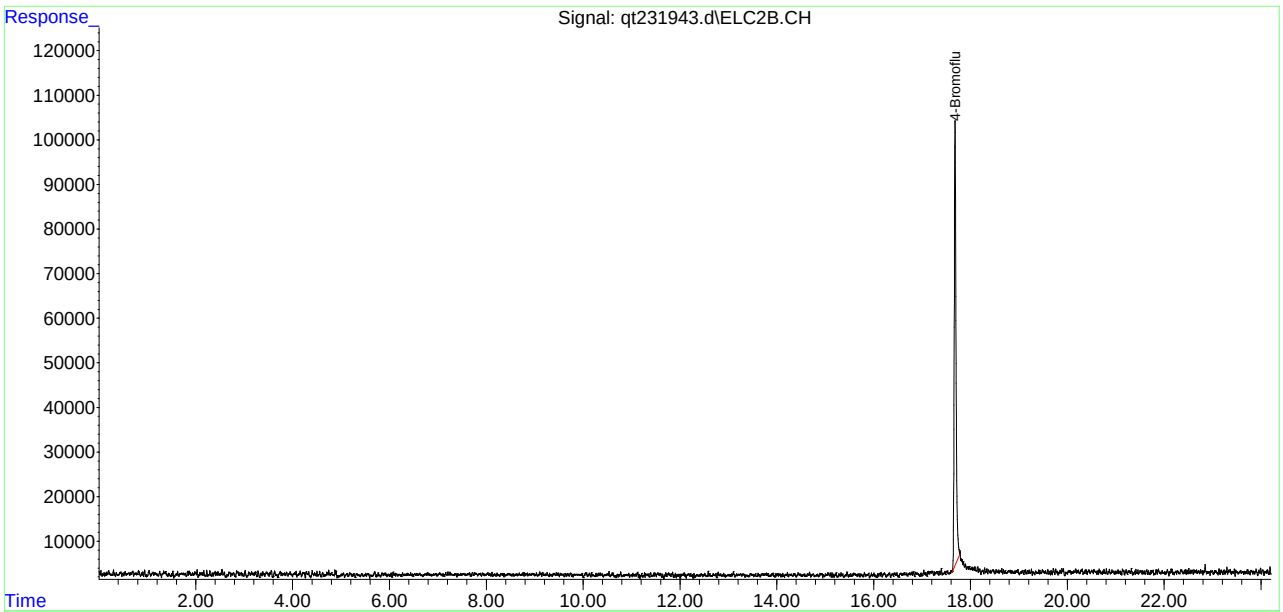
(f)=RT Delta > 1/2 Window (m)=manual int.

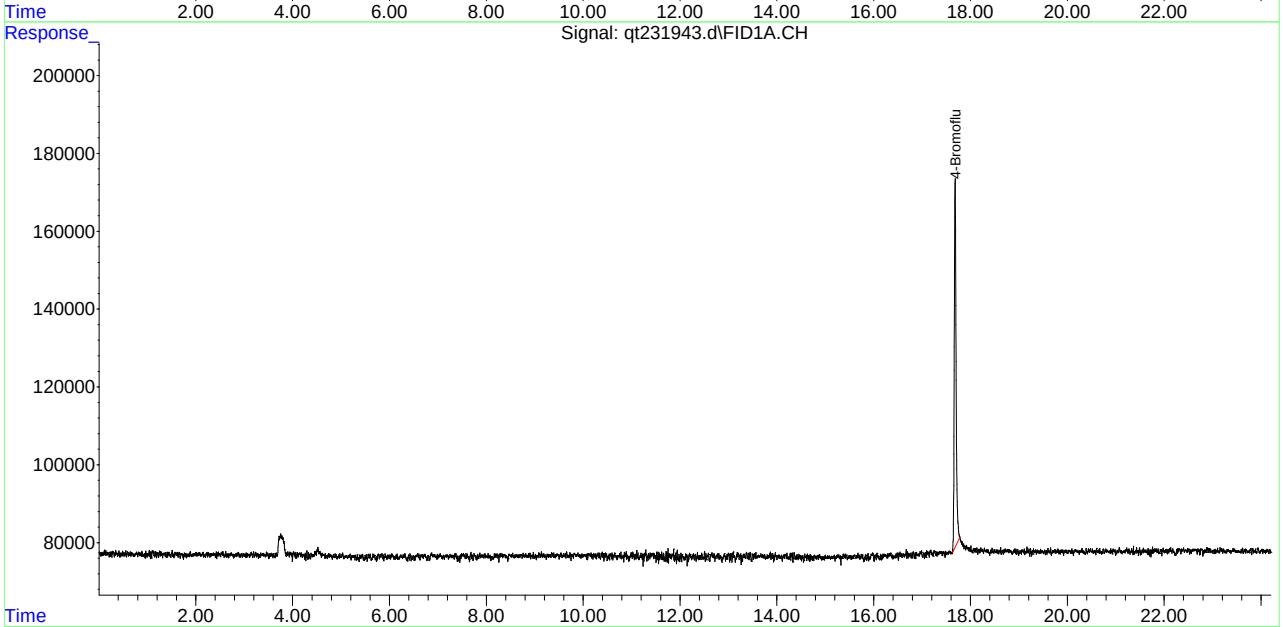
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231943.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 09:53:22
Operator : williamc
Sample : mb
Misc : GC64326,GQT3117,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:28:43 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231942.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 09:13:00
Operator : williamc
Sample : bs
Misc : GC64326,GQT3117,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 14:55:09 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.681	2863308	10.624 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	106.24%	
26) s	4-Bromofluorobenzene #2	17.683	2394963	9.209 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	92.09%	
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.571	4884454	10.852 PPMV
2)	BENZENE	11.210	7844872	10.022 PPMV
3)	TOLUENE	14.280	8177477	10.356 PPMV
4)	ETHYLBENZENE	16.465	6879345	10.230 PPMV
5)	m,p-XYLENE	16.548	19127092	21.652 PPMV
6)	o-XYLENE	17.047	6597816	9.722 PPMV
7)	ISOPROPYLBENZENE	17.398	3222571	4.580 PPMV
11)	METHANE #2	3.800	24531772	95.985 PPMV
12)	ETHANE #2	3.879	6371926	9.930 PPMV
13)	PROPANE #2	4.246	8025893	9.954 PPMV
14)	n-BUTANE #2	5.188	10918840	9.841 PPMV
15)	PENTANE #2	6.870	13114575	10.275 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.873	8706689	9.701 PPMV
17)	METHYL TERTIARY BUTYL...	8.572	10306522	10.388 PPMV
18)	HEXANE #2	8.819	15367379	10.436 PPMV
19)	BENZENE #2	11.211	14841127	9.823 PPMV
20)	TOLUENE #2	14.282	15217929	9.886 PPMV
21)	ETHYLBENZENE #2	16.467	14773372	10.209 PPMV
22)	m,p-XYLENE #2	16.550	34302939	20.691 PPMV
23)	o-XYLENE #2	17.049	14876850	10.182 PPMV
24)	Isopropylbenzene #2	17.400	7835796	4.839 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	13449700	10.307 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	24606342	96.672 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	15837989	10.614 PPMV
30) H	TPH Range A as Methan...	6.000	24573562	96.023 ppmv
31) H	TPH Range A as Methan...	6.000	24227218	94.765 PPMV
32) H	TPH Range B as Pentan...	12.500	13366673	10.219 ppmv
33) H	TPH Range A as Propan...	6.000	7939708	9.851 ppmv
34) H	TPH Range B as Hexane #2	12.500	15785499	10.584 ppmv

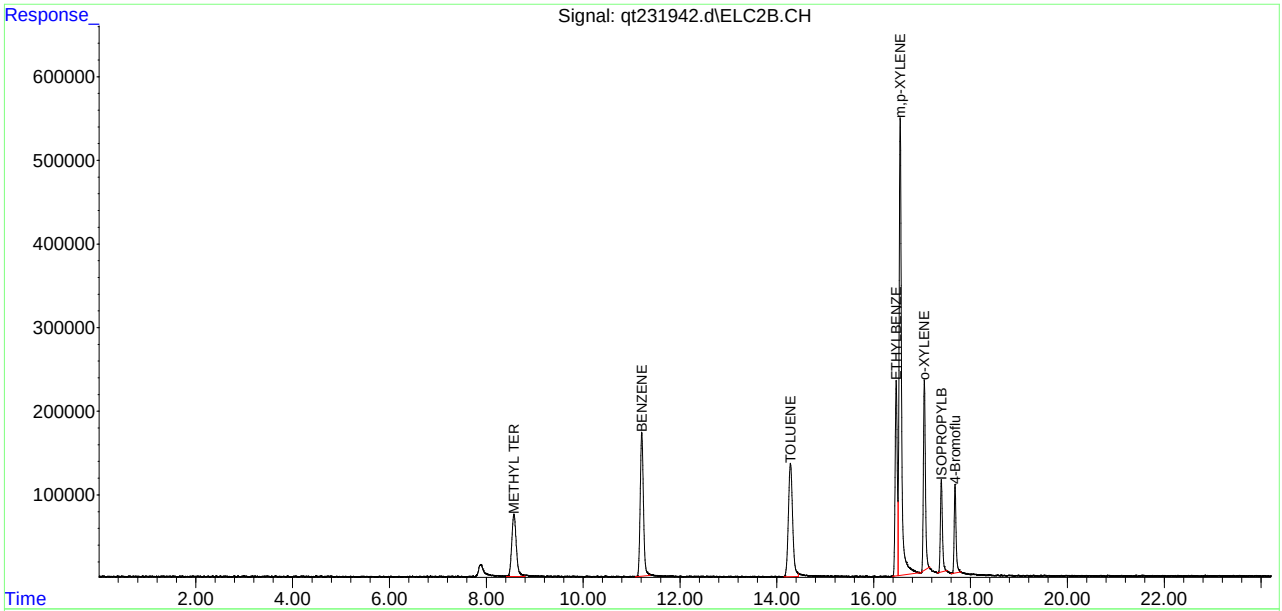
(f)=RT Delta > 1/2 Window (m)=manual int.

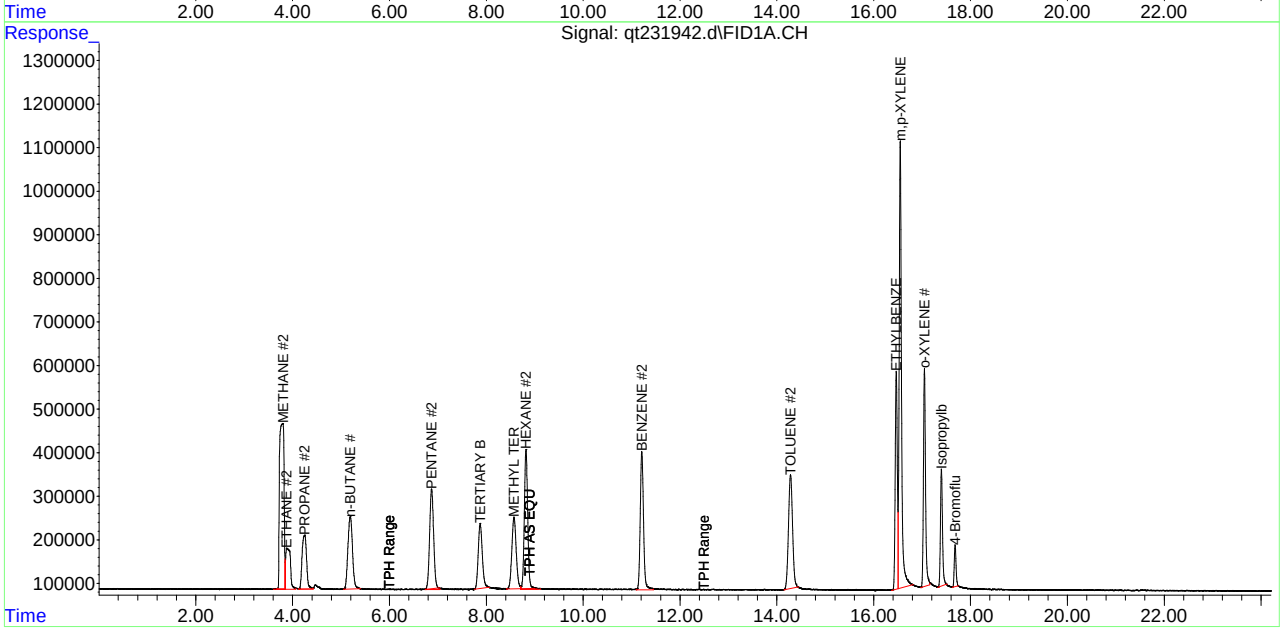
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231942.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 09:13:00
Operator : williamc
Sample : bs
Misc : GC64326,GQT3117,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 14:55:09 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231952.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 15:49:15
Operator : williamc
Sample : je5543-1dup
Misc : GC64417,GQT3117,,,,,1.45
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:36:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) s 4-Bromofluorobenzene	17.682	2721887	10.100 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	101.00%
26) s 4-Bromofluorobenzene #2	17.683	2562173	9.852 PPMV
Spiked Amount 10.000	Range 59 - 135	Recovery =	98.52%
Target Compounds			
30) H TPH Range A as Methan...	6.000	1475352	5.765 ppmv

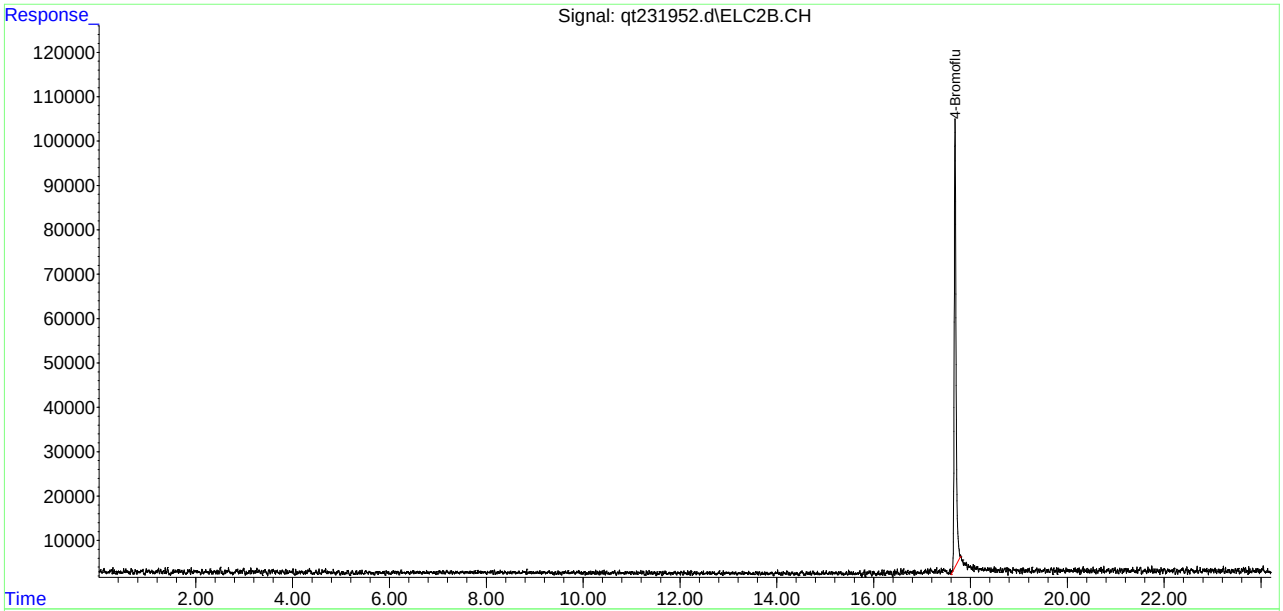
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231952.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 15:49:15
Operator : williamc
Sample : je5543-1dup
Misc : GC64417,GQT3117,,,,,1.45
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:36:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/28/25 14:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:46:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.685	2741164	10.760 PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	107.60%
26) s	4-Bromofluorobenzene #2	17.687	2495109	9.470 PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	94.70%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.576	20398	0.049 PPMV m
2)	BENZENE	11.209	40601	0.057 PPMV m
3)	TOLUENE	14.297	38702	0.053 PPMV m
4)	ETHYLBENZENE	16.465	35118	0.056 PPMV m
5)	m,p-XYLENE	16.558	85040	0.101 PPMV m
6)	o-XYLENE	17.064	33504	0.055 PPMV m
17)	METHYL TERTIARY BUTYL...	8.561	44790	0.045 PPMV m
19)	BENZENE #2	11.199	77514	0.054 PPMV m
20)	TOLUENE #2	14.305	75581	0.052 PPMV m
21)	ETHYLBENZENE #2	16.463	75507	0.052 PPMV m
22)	m,p-XYLENE #2	16.555	175359	0.106 PPMV m
23)	o-XYLENE #2	17.048	74346	0.051 PPMV m

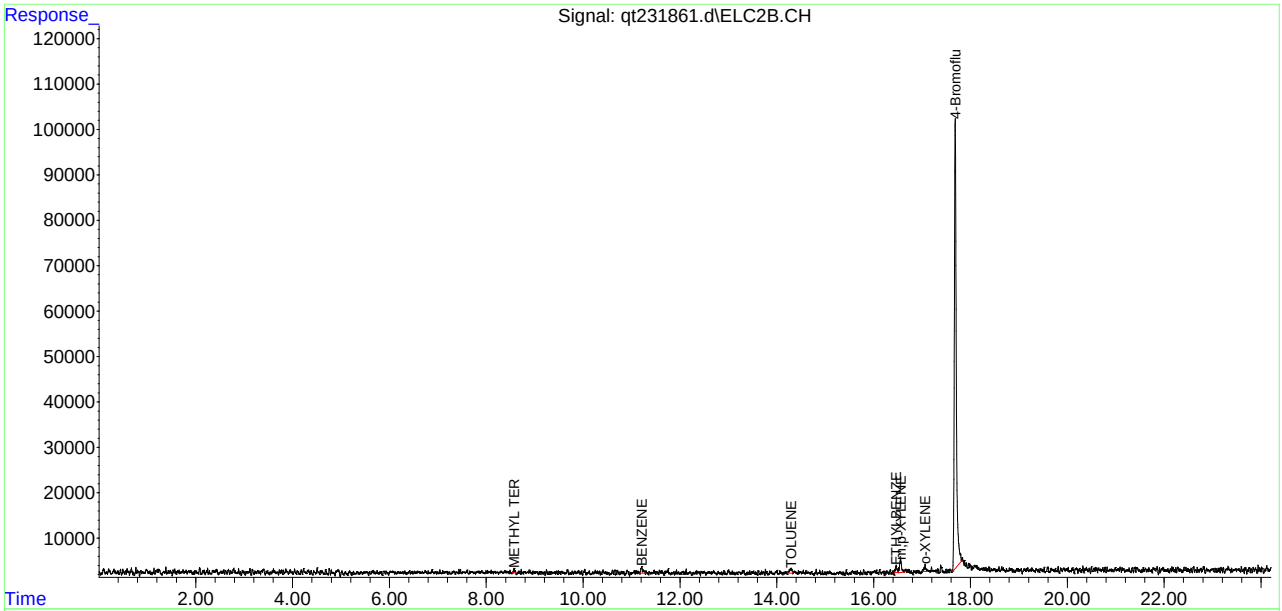
(f)=RT Delta > 1/2 Window (m)=manual int.

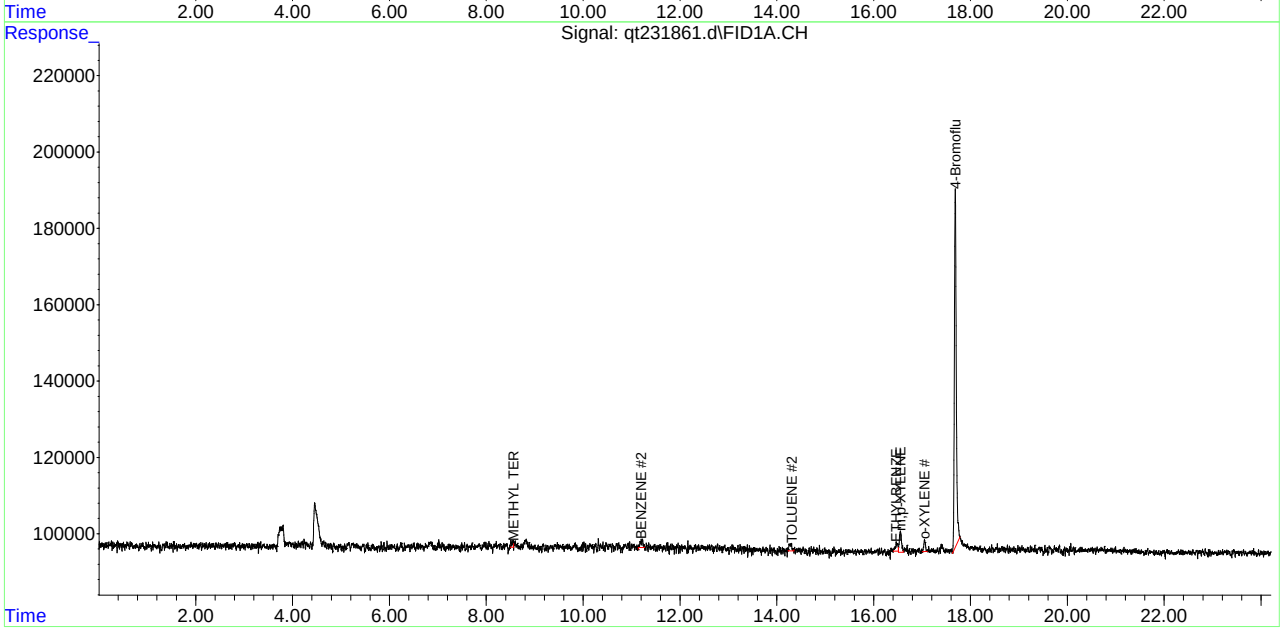
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:46:55 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number: GQT3114-IC3114
Lab FileID: QT231861.D
Injection Time: 01/24/25 11:19
Method: EPA TO-3
Analyst approved: 01/28/25 12:01 William Cruser
Supervisor approved: 01/28/25 14:09 Kanya Veerawat

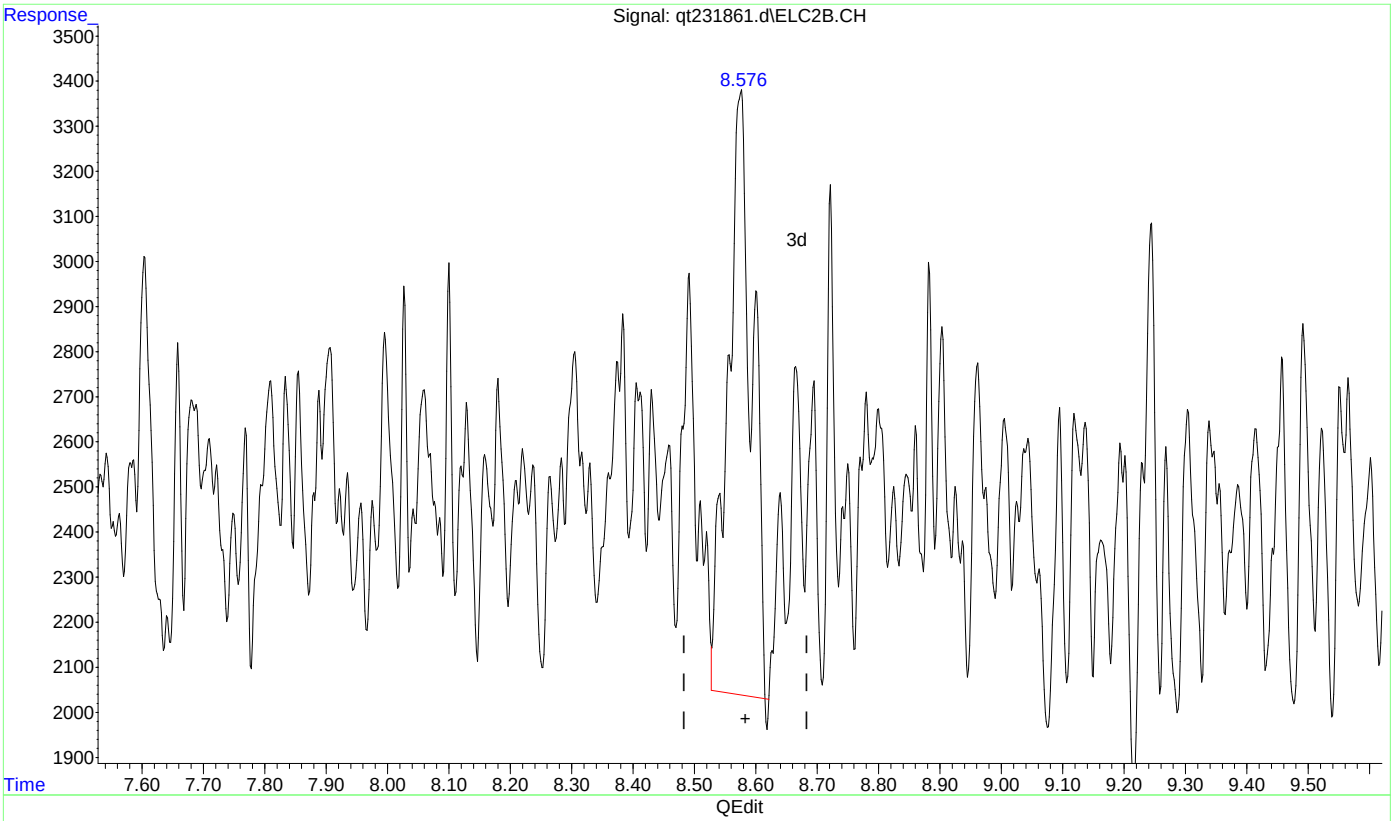
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Tert Butyl Ether	1634-04-4	2	8.56	Missed peak
Methyl Tert Butyl Ether	1634-04-4	1	8.58	Poorly defined baseline
Benzene	71-43-2	2	11.20	Split peak
Benzene	71-43-2	1	11.21	Poorly defined baseline
Toluene	108-88-3	1	14.30	Missed peak
Toluene	108-88-3	2	14.30	Poorly defined baseline
Ethylbenzene	100-41-4	2	16.46	Missed peak
Ethylbenzene	100-41-4	1	16.47	Missed peak
m,p-Xylene		1	16.56	Missed peak
m,p-Xylene		2	16.56	Missed peak
o-Xylene	95-47-6	2	17.05	Missed peak
o-Xylene	95-47-6	1	17.06	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(1) METHYL TERTIARY BUTYL ETHER

8.575min 0.087 PPMV

response 36525

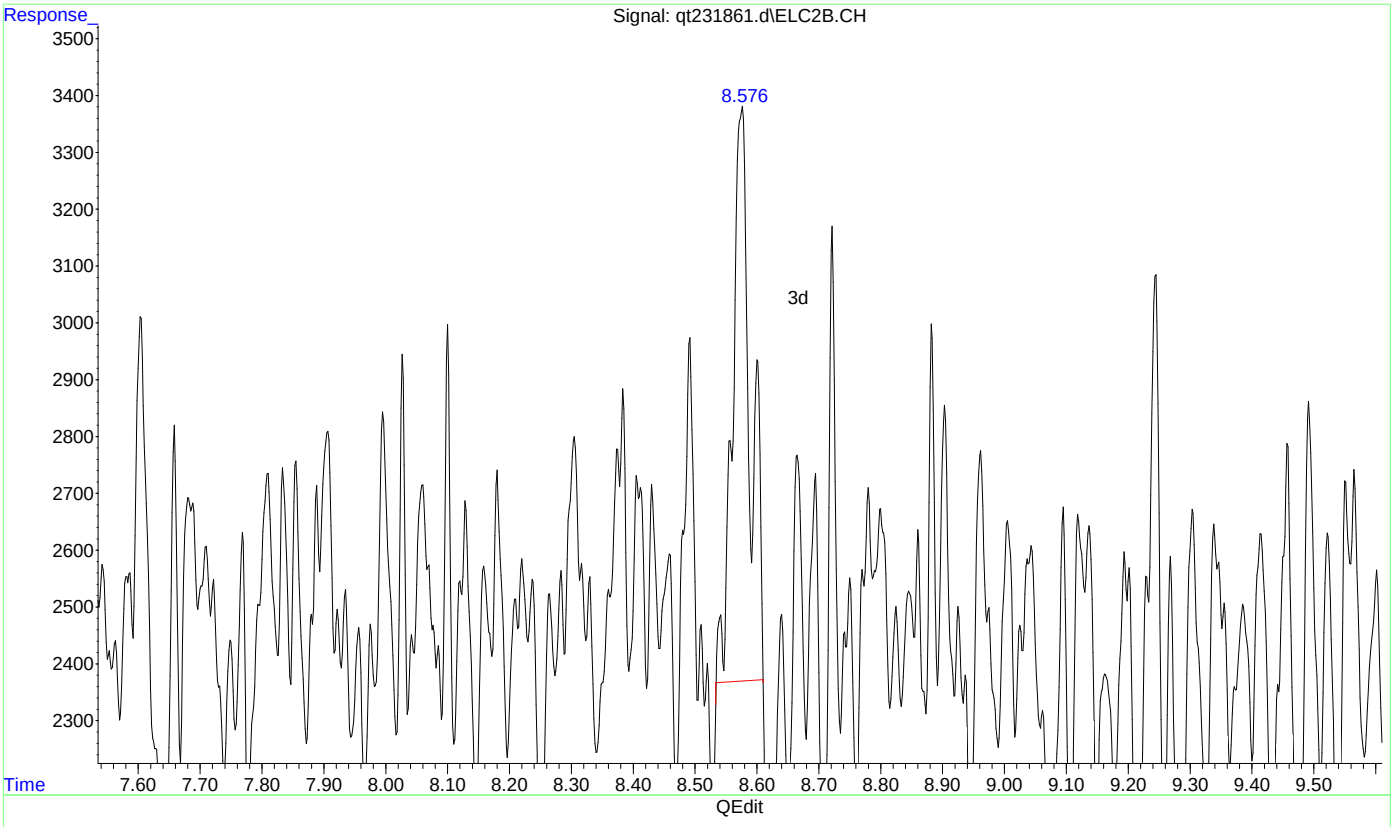
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:40:47 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(1) METHYL TERTIARY BUTYL ETHER

8.576min 0.049 PPMV m

response 20398

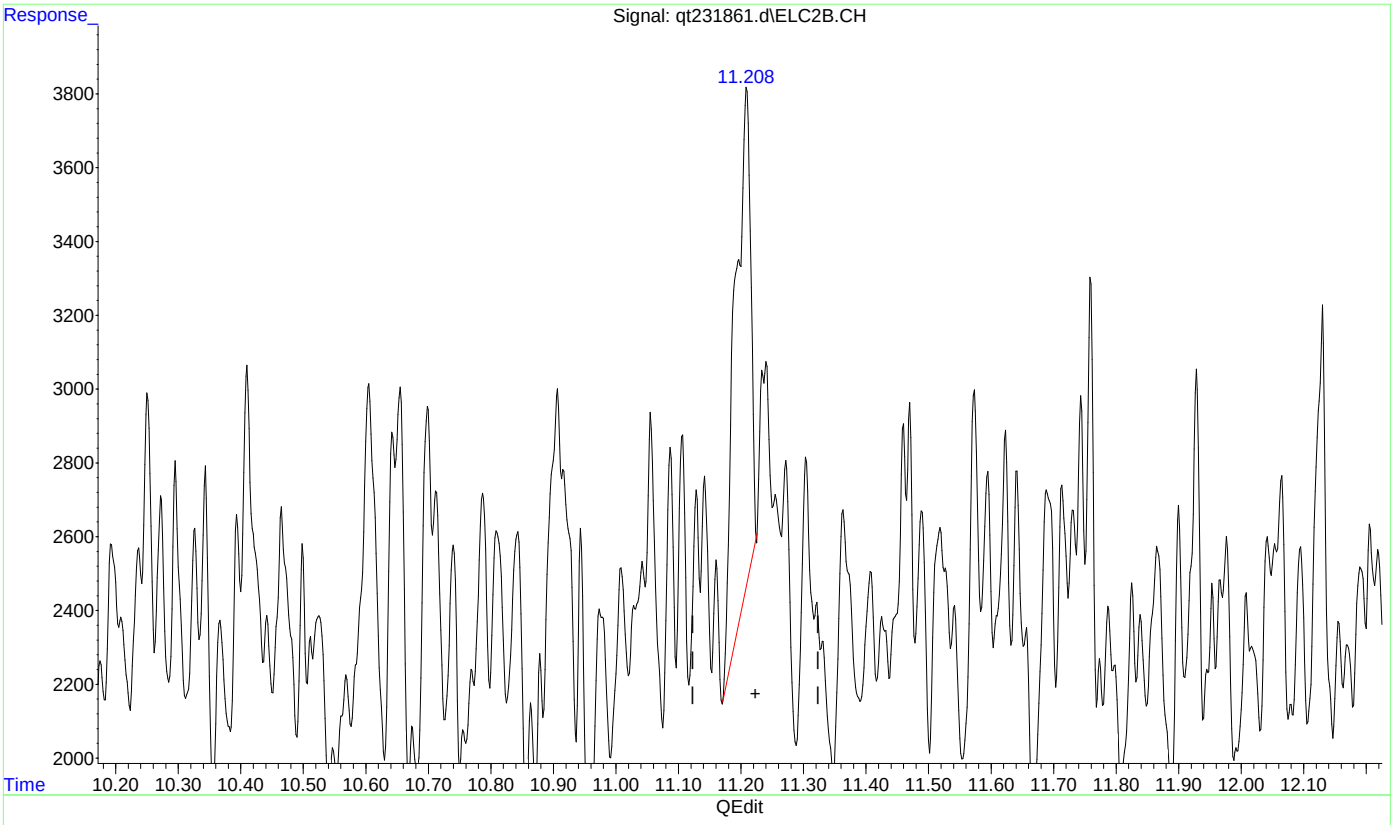
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:41:04 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(2) BENZENE

11.209min 0.034 PPMV

response 23871

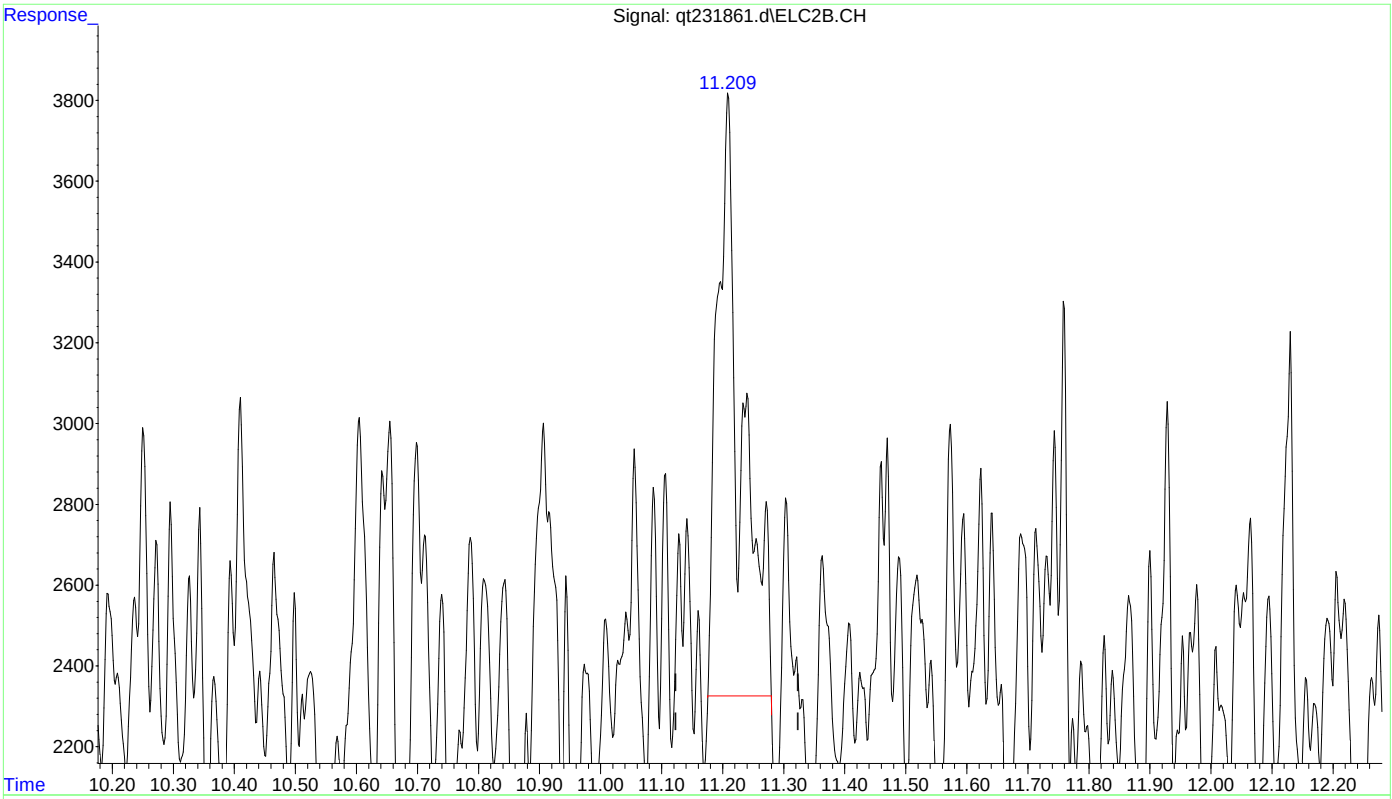
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:41:23 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(2) BENZENE

11.209min 0.057 PPMV m

response 40601

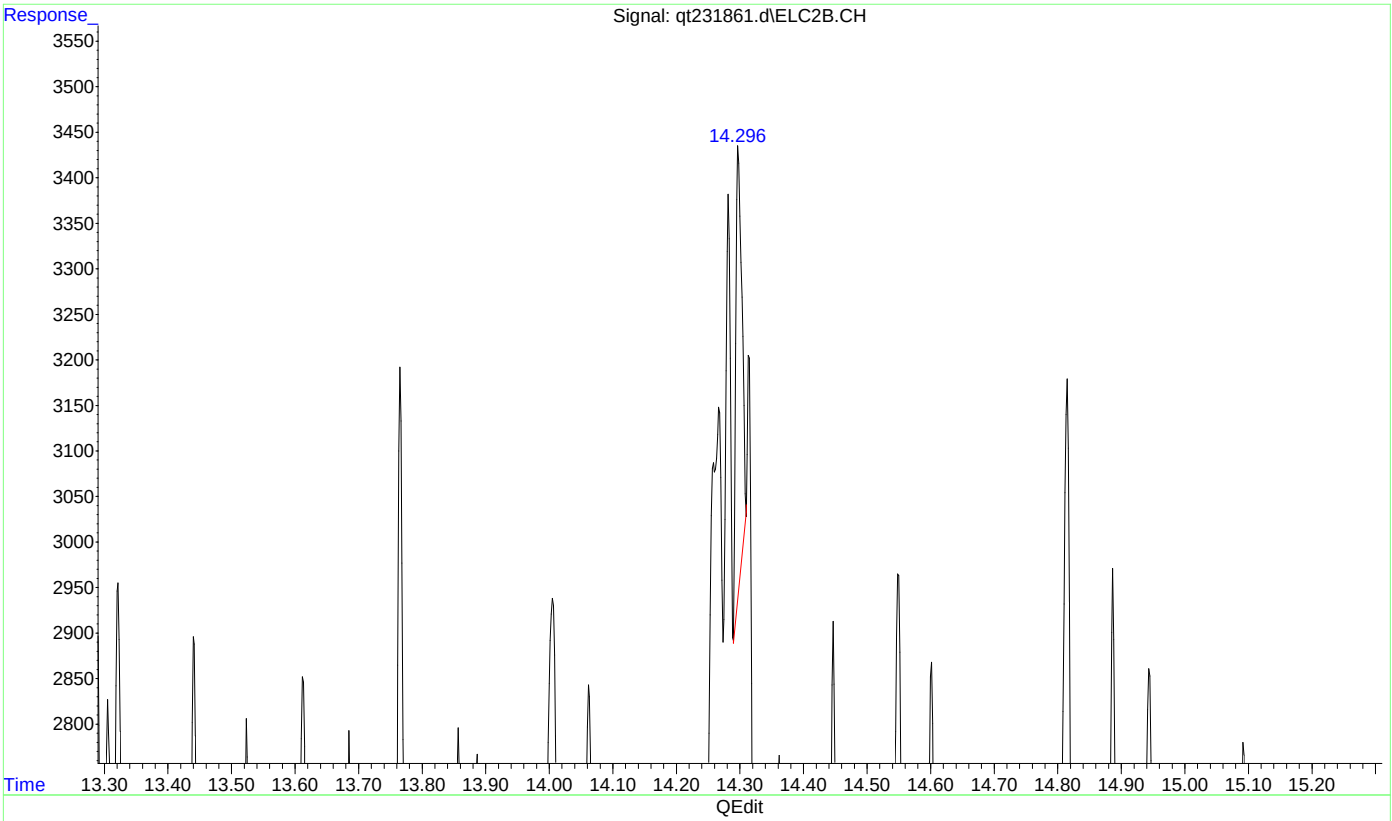
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:41:40 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(3) TOLUENE

14.298min 0.004 PPMV

response 3206

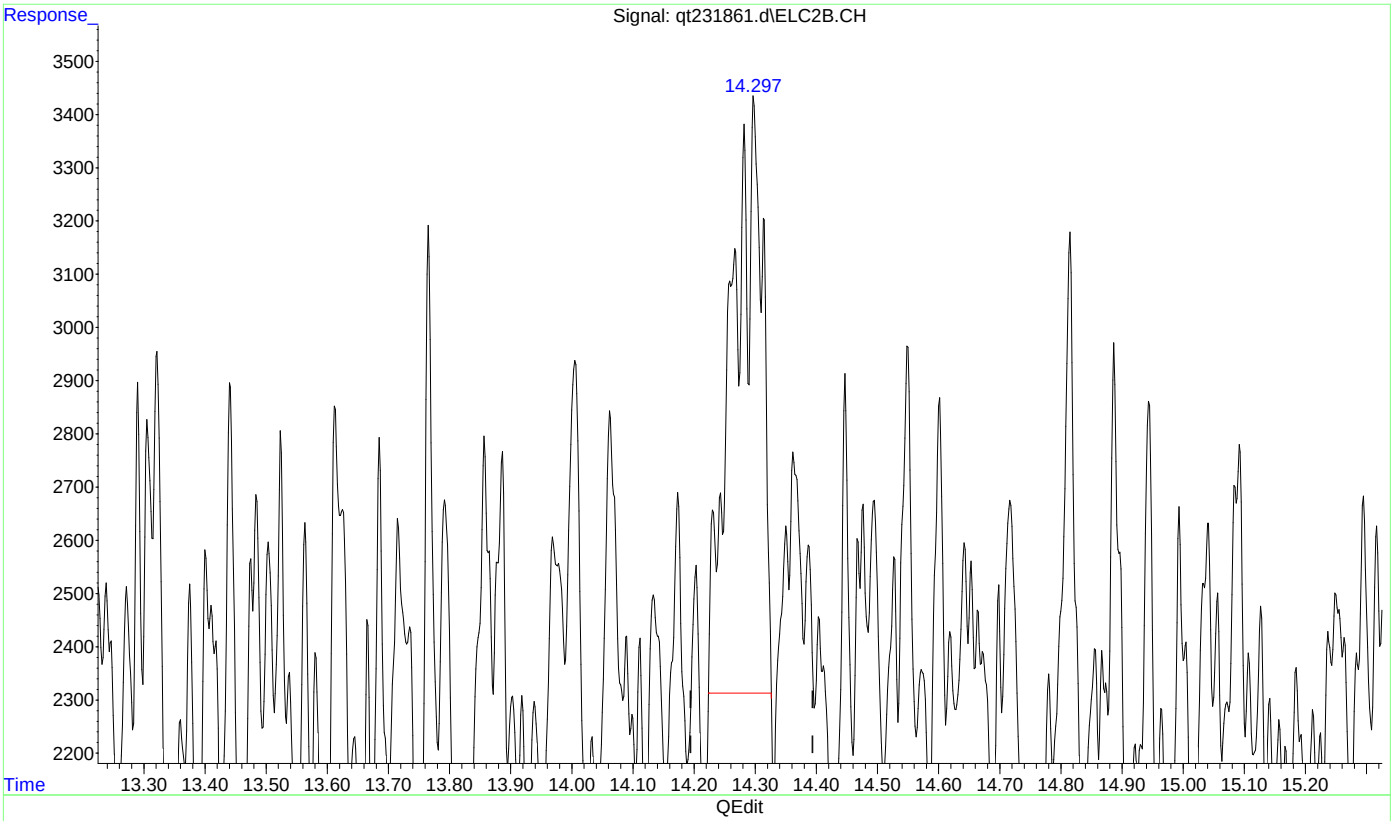
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:41:45 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:19:05
Operator : williamc
Sample   : ic3114-0.05
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(3) TOLUENE

14.297min 0.053 PPMV m

response 38702

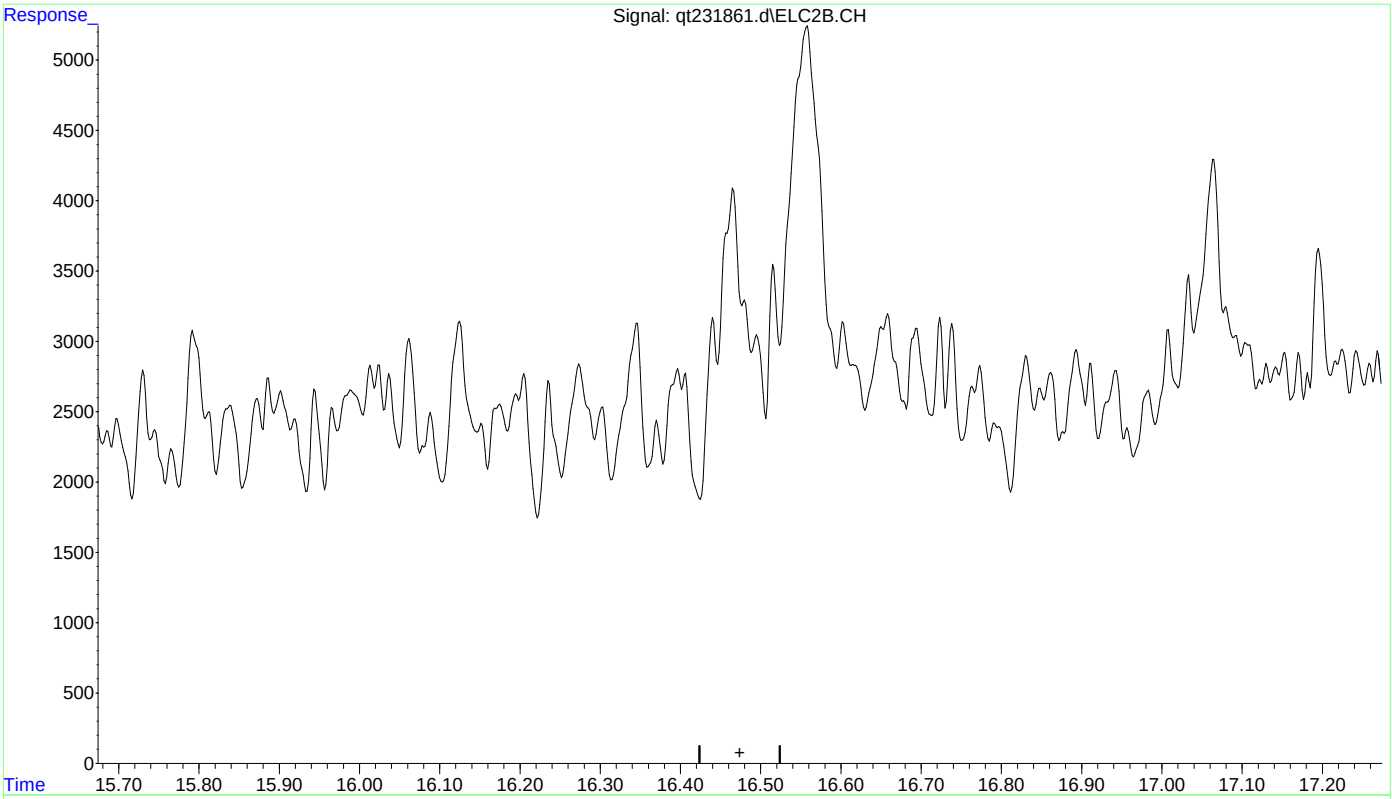
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:42:03 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(4) ETHYLBENZENE

16.474min 0.000 PPMV

response 0

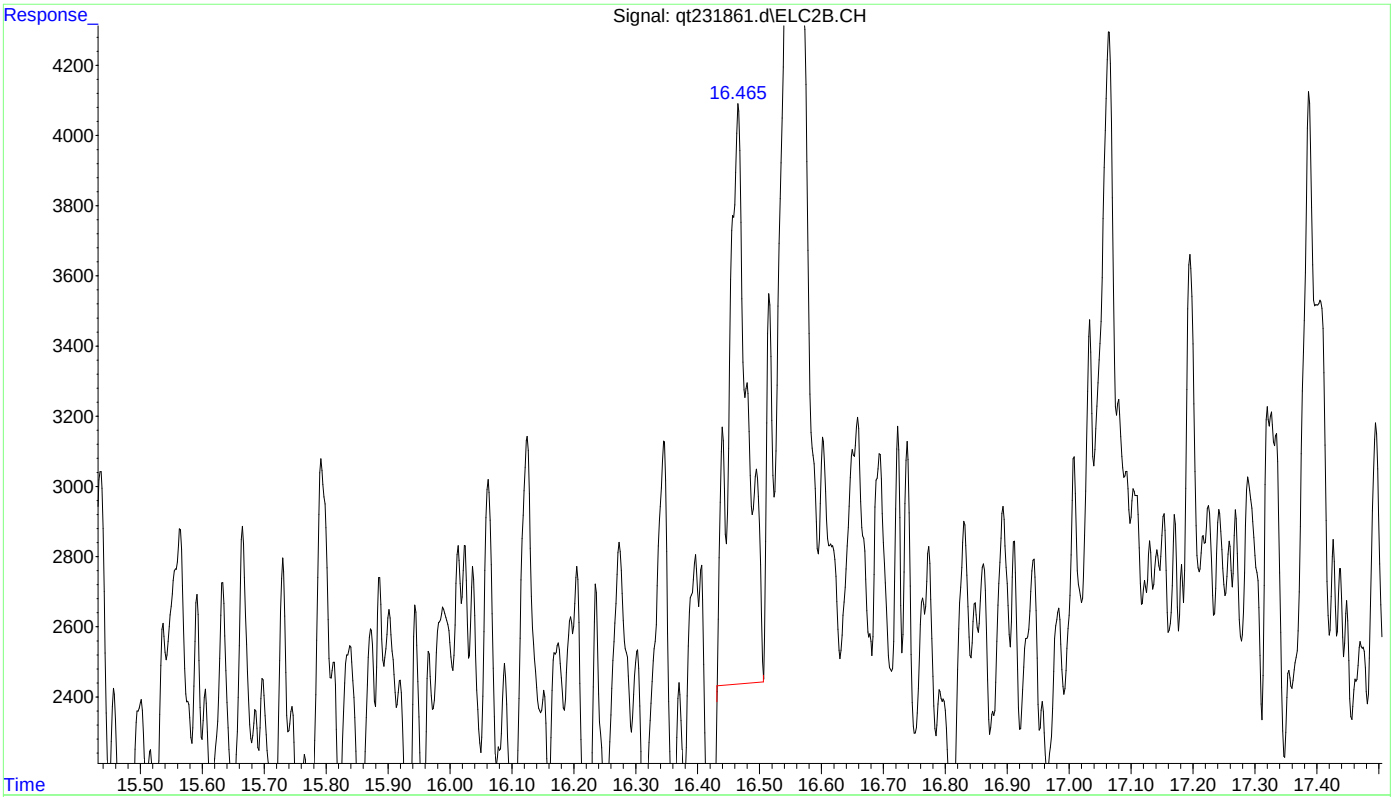
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:42:08 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(4) ETHYLBENZENE

16.465min 0.056 PPMV m

response 35118

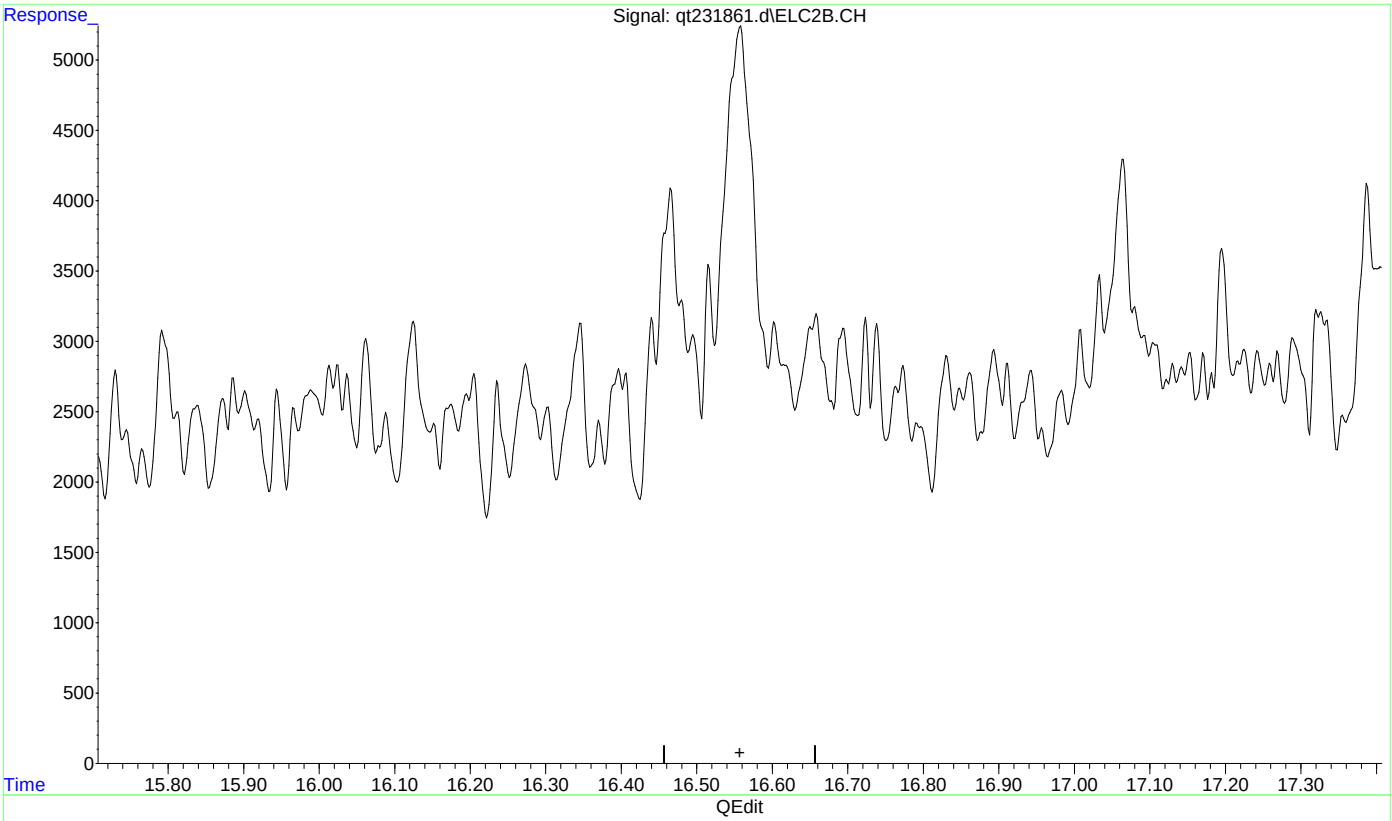
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:42:24 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(5) m,p-XYLENE

16.557min 0.000 PPMV

response 0

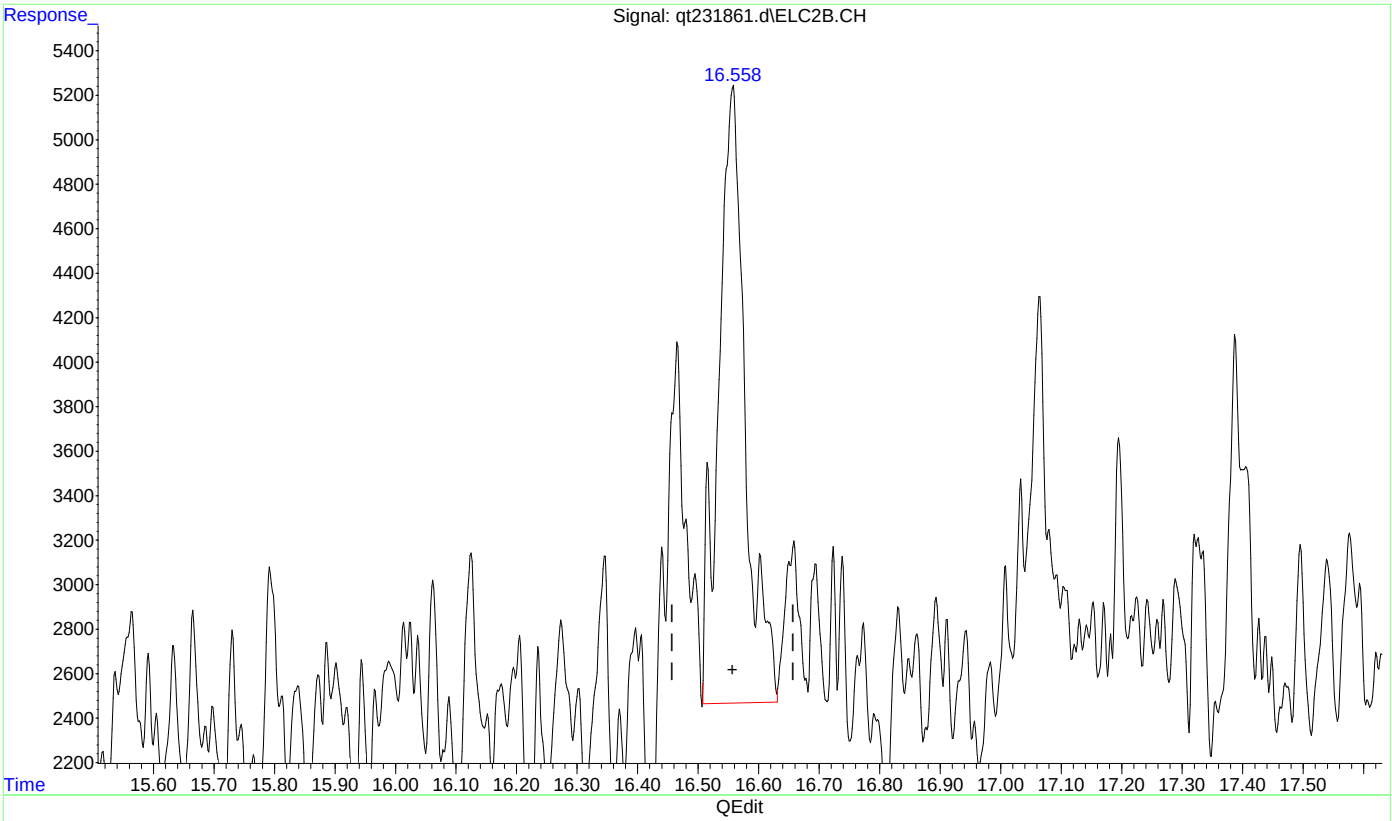
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:42:30 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:19:05
Operator : williamc
Sample   : ic3114-0.05
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(5) m,p-XYLENE

16.558min 0.101 PPMV m

response 85040

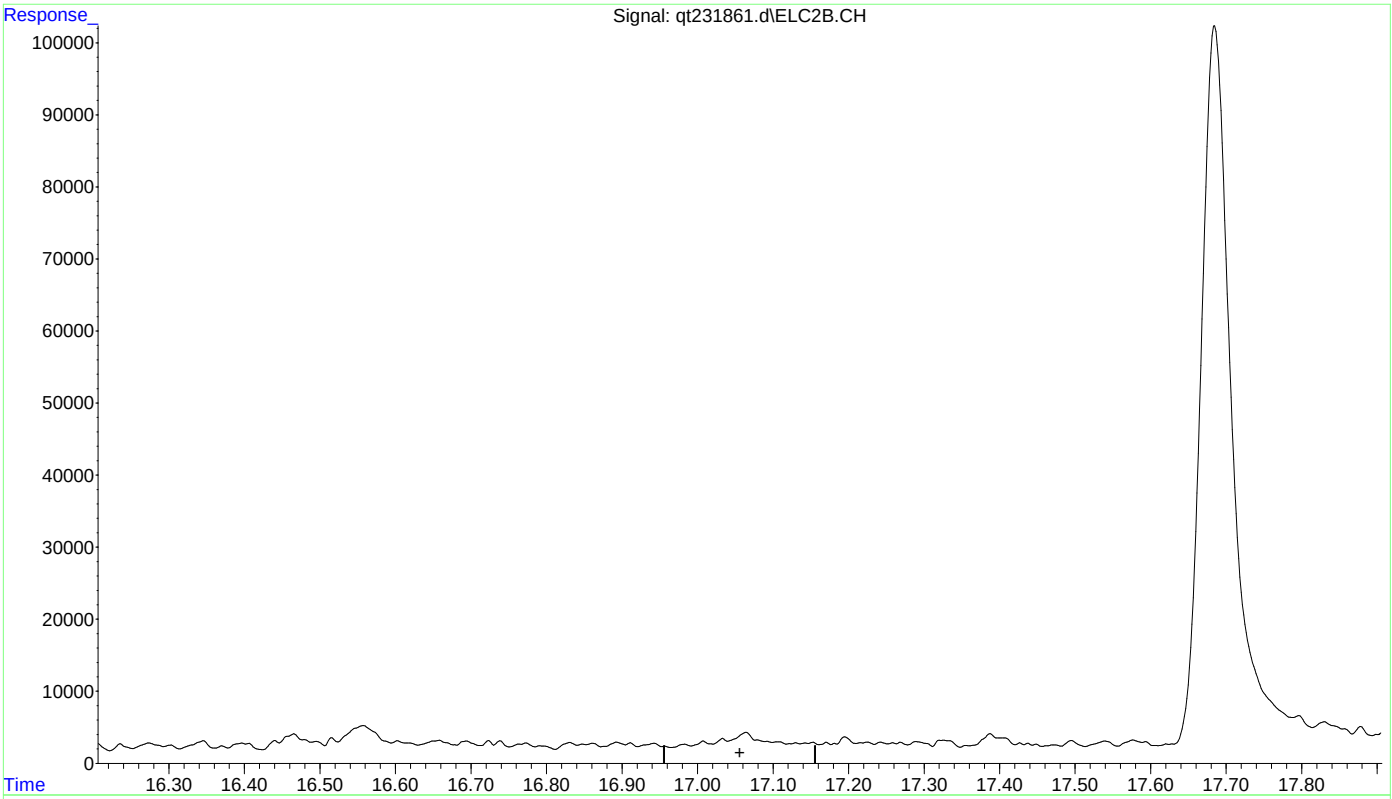
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:42:41 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(6) o-XYLENE

17.056min 0.000 PPMV

response 0

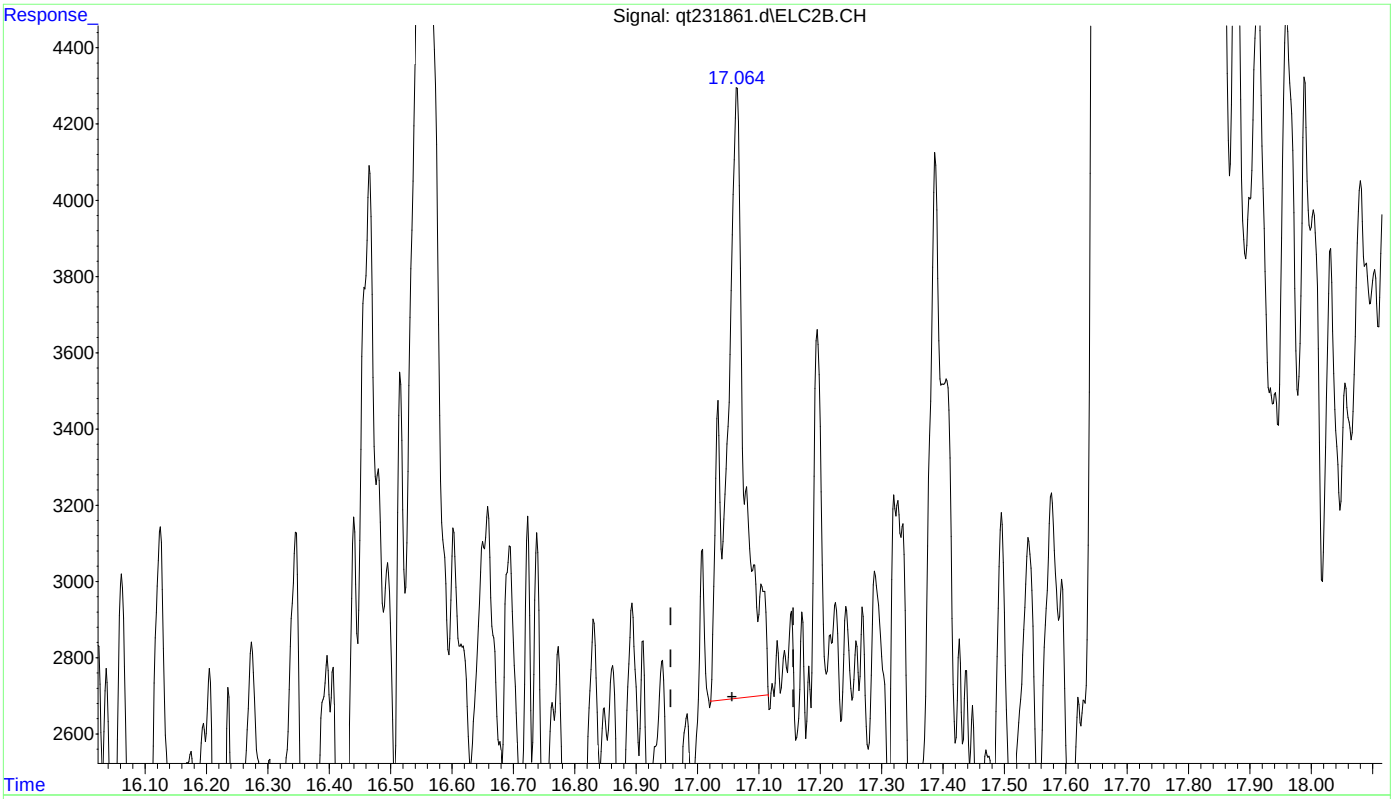
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:42:48 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(6) o-XYLENE

17.064min 0.055 PPMV m

response 33504

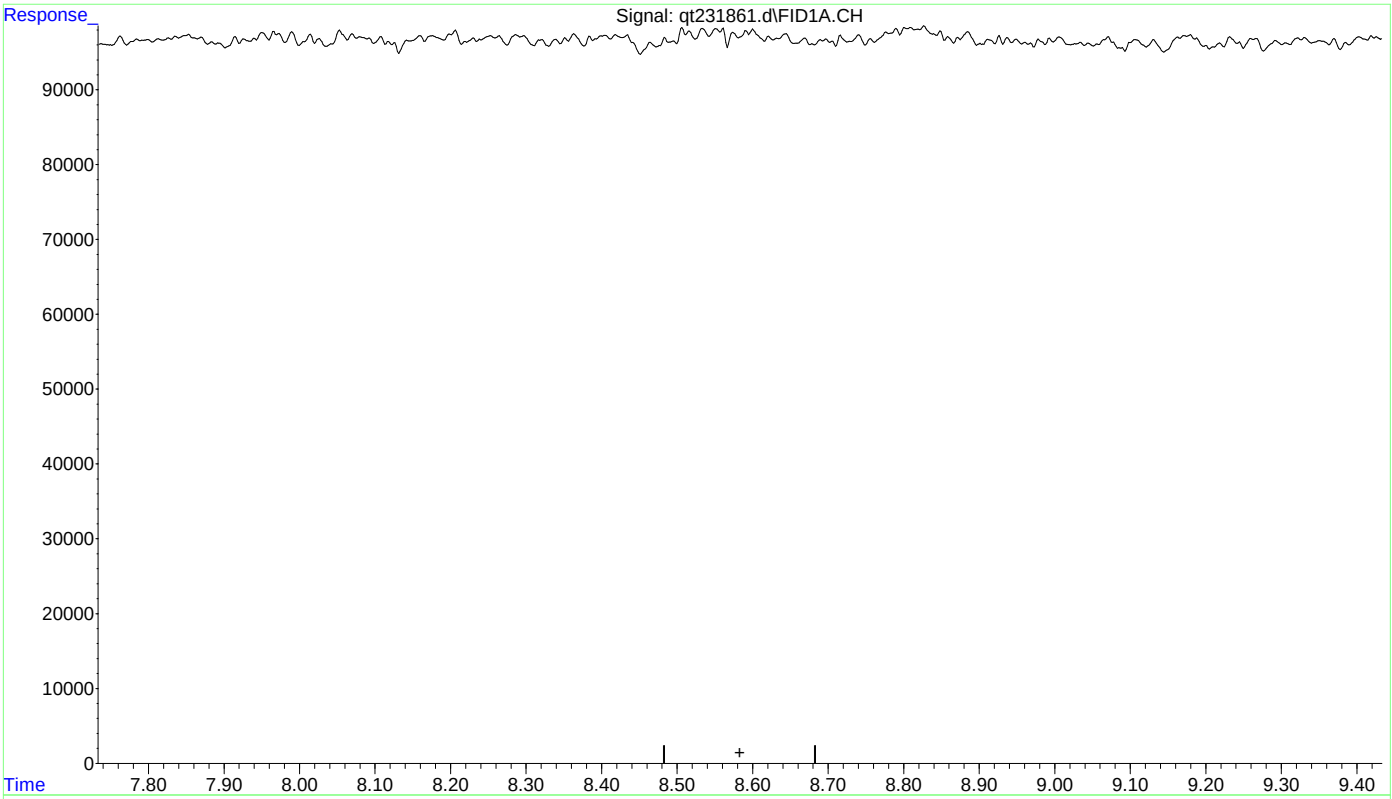
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:43:00 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(17) METHYL TERTIARY BUTYL ETHER #2

8.583min 0.000 PPMV

response 0

(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:43:24 2025

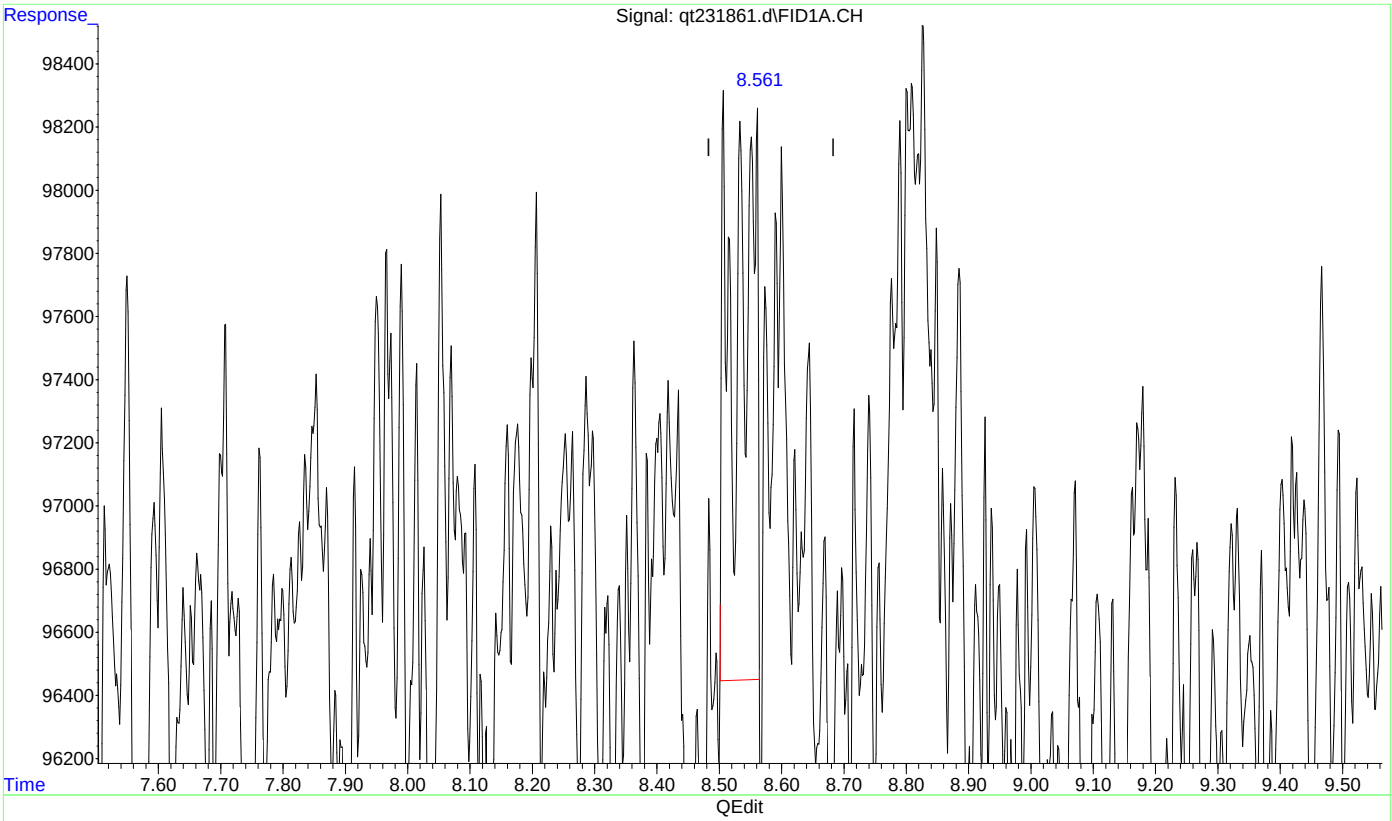
QT231861.D edits: METHYL TERTIARY BUTYL ETHER #2

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(17) METHYL TERTIARY BUTYL ETHER #2

8.561min 0.045 PPMV m

response 44790

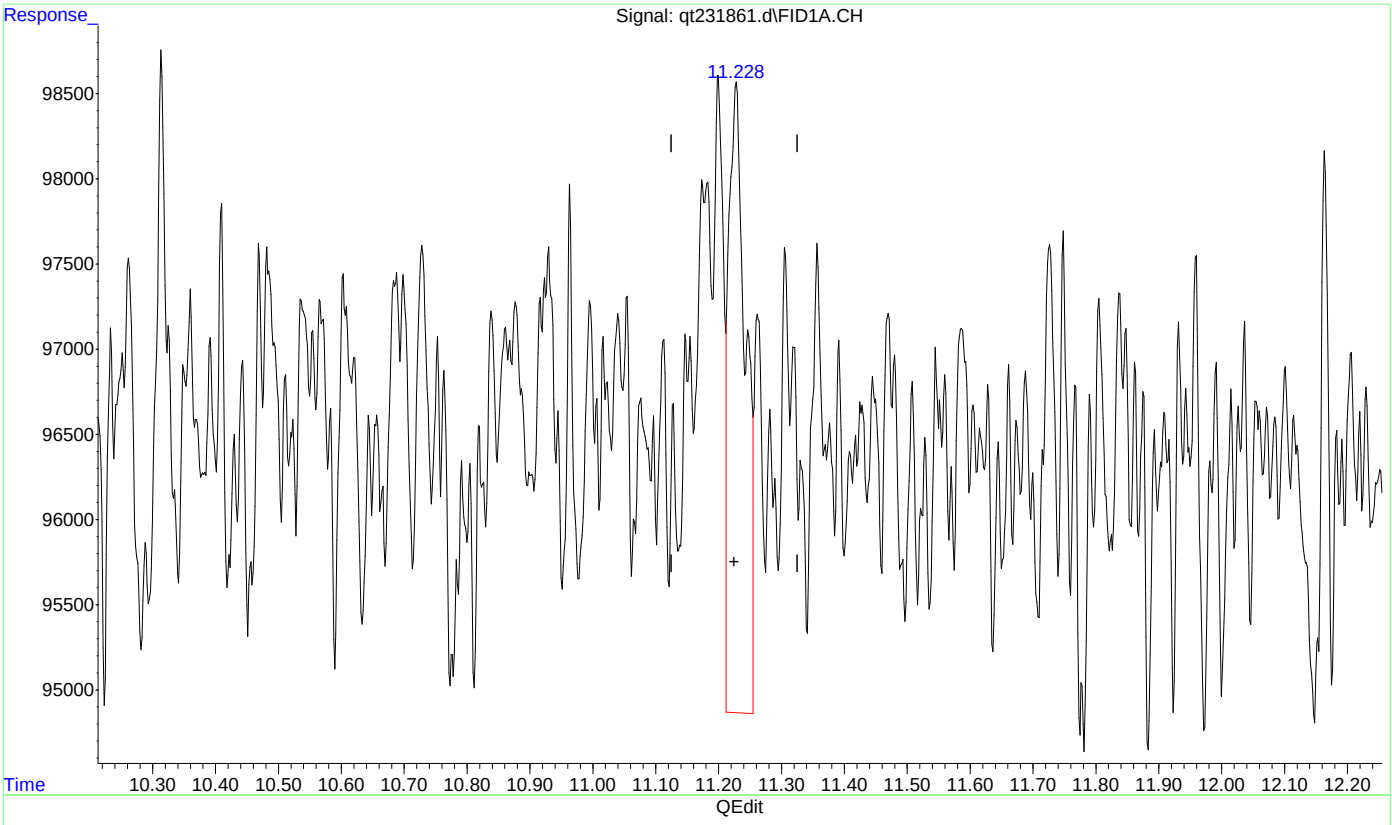
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:43:47 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:19:05
Operator : williamc
Sample   : ic3114-0.05
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(19) BENZENE #2

11.228min 0.049 PPMV

response 69902

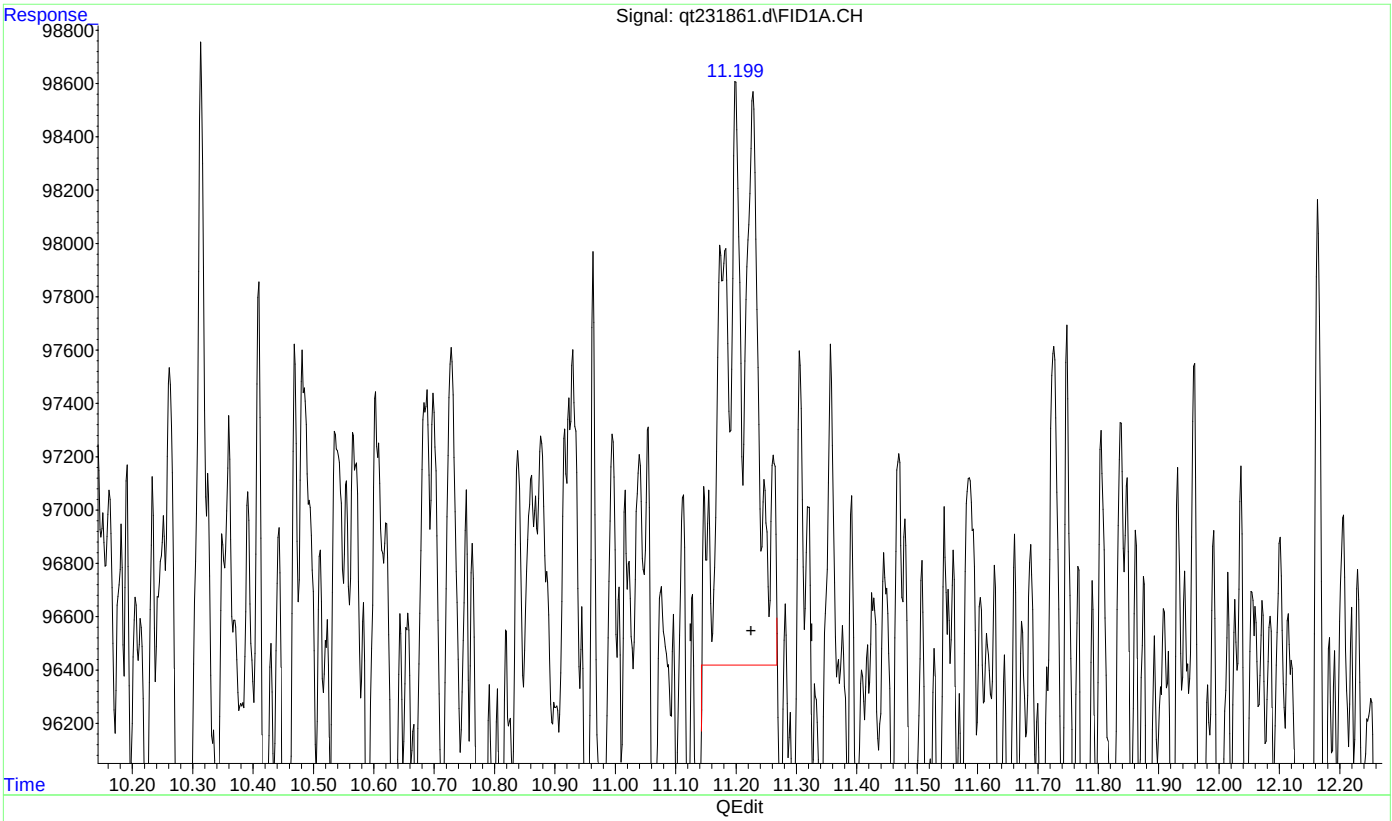
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:43:56 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:19:05
Operator : williamc
Sample   : ic3114-0.05
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(19) BENZENE #2

11.199min 0.054 PPMV m

response 77514

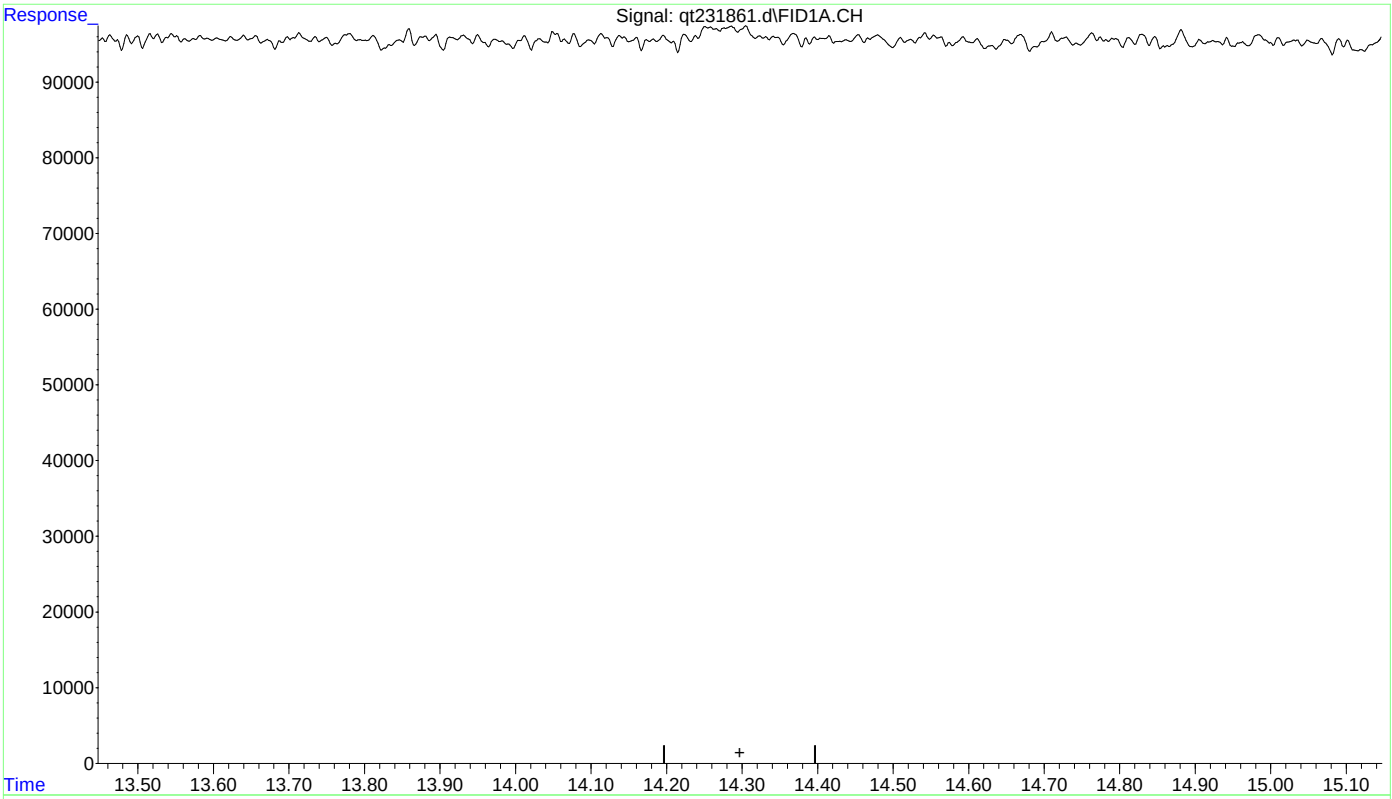
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:45:04 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:19:05
Operator : williamc
Sample   : ic3114-0.05
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(20) TOLUENE #2

14.297min 0.000 PPMV

response 0

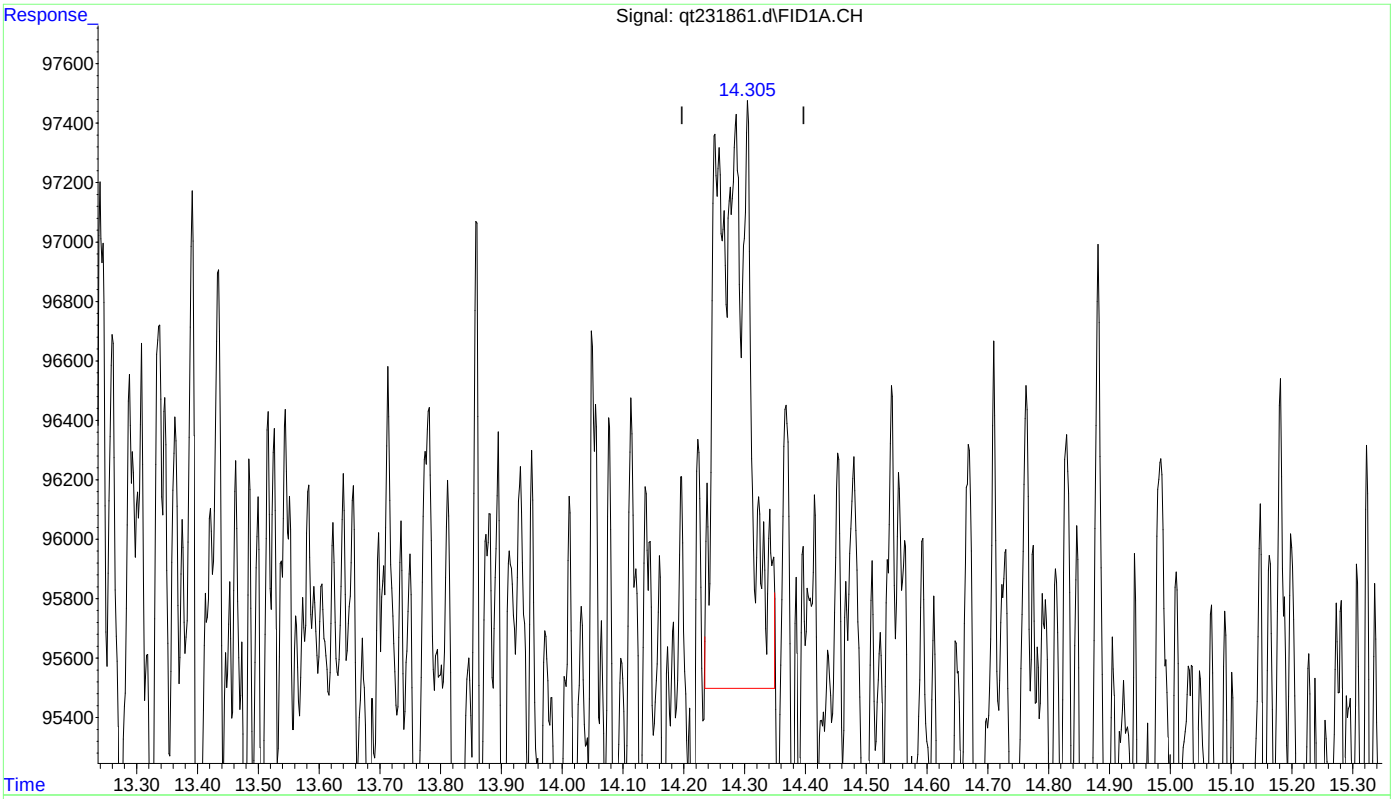
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:45:16 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(20) TOLUENE #2

14.305min 0.052 PPMV m

response 75581

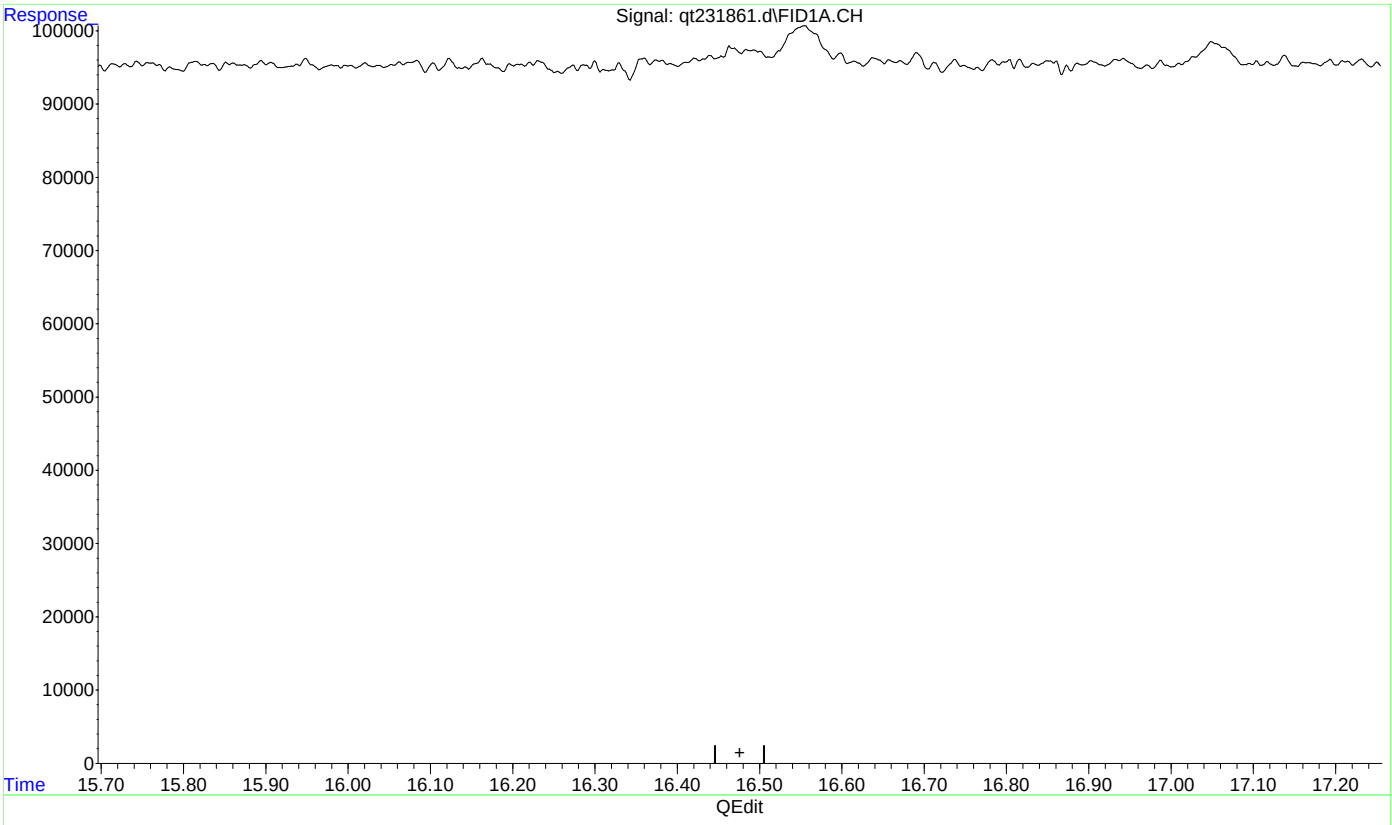
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:45:40 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(21) ETHYLBENZENE #2

16.476min 0.000 PPMV

response 0

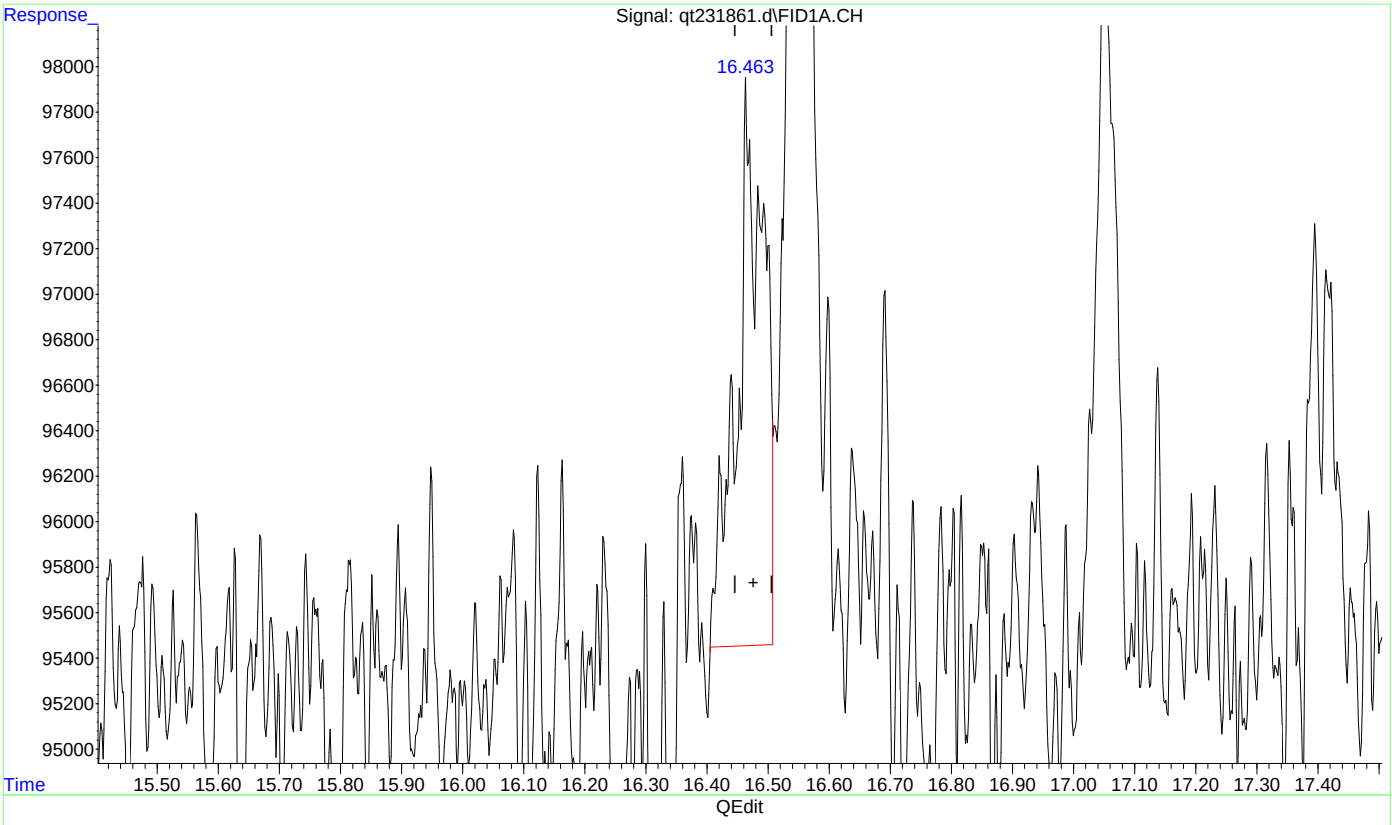
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:45:51 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:19:05
Operator : williamc
Sample   : ic3114-0.05
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(21) ETHYLBENZENE #2

16.463min 0.052 PPMV m

response 75507

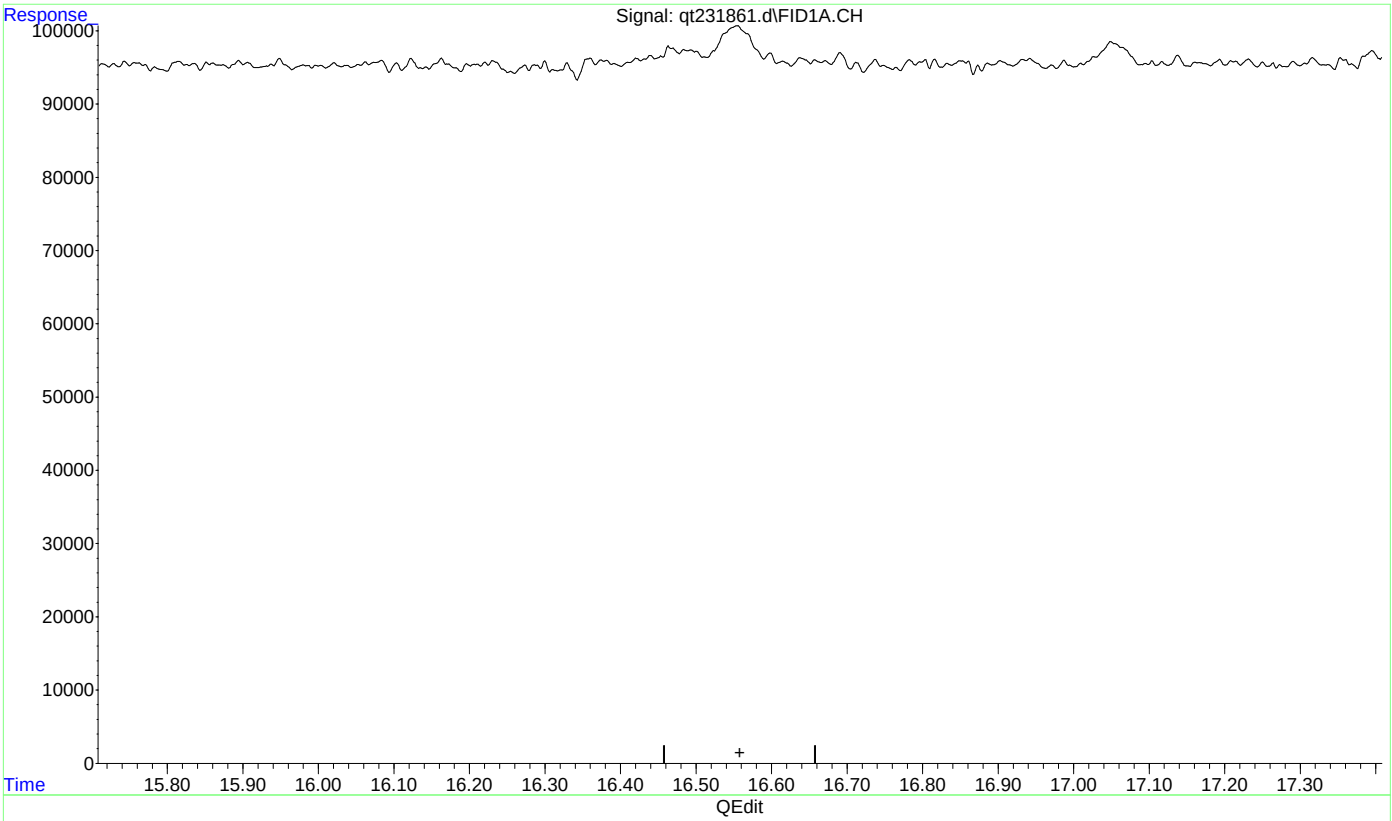
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:46:12 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(22) m,p-XYLENE #2

16.558min 0.000 PPMV

response 0

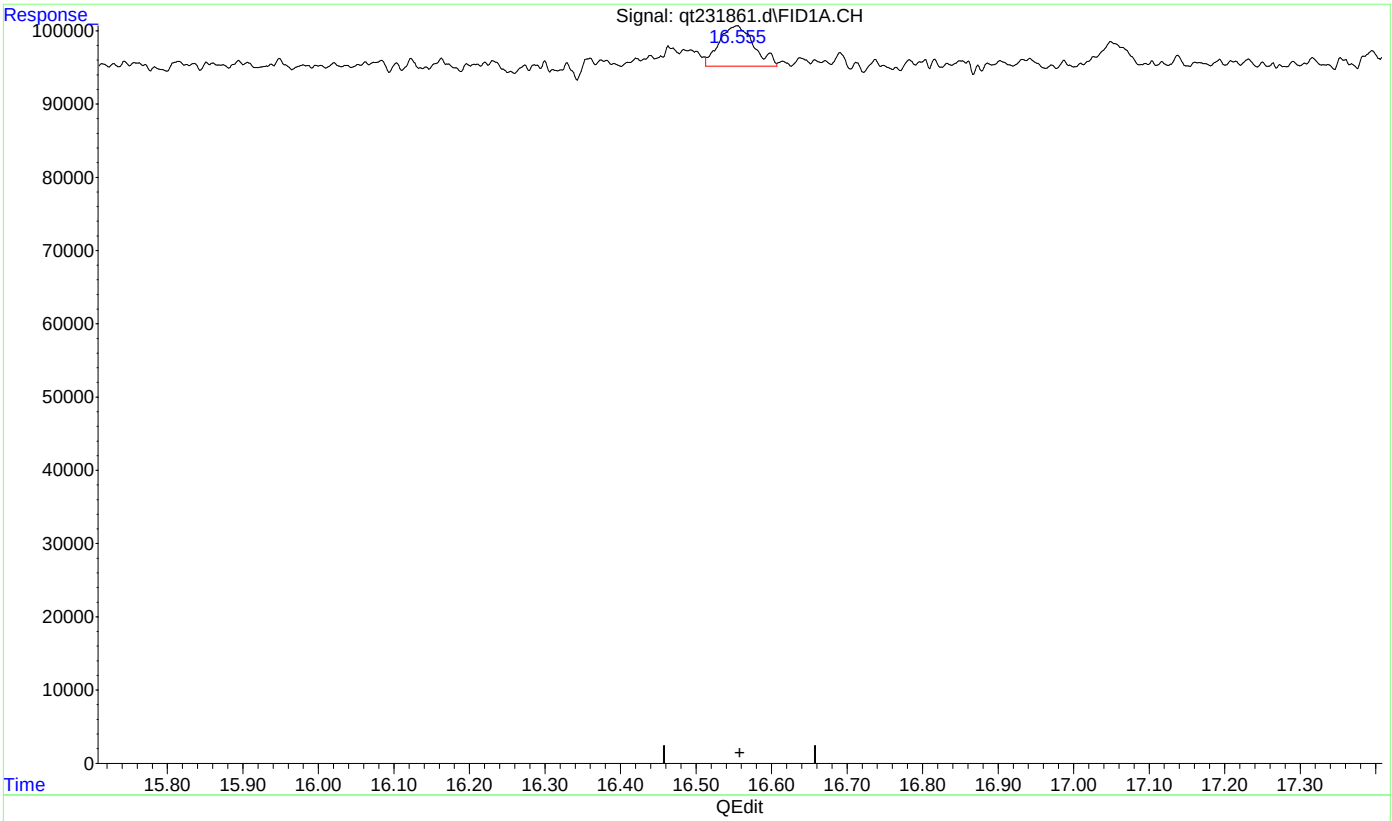
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:46:18 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(22) m,p-XYLENE #2

16.555min 0.106 PPMV m

response 175359

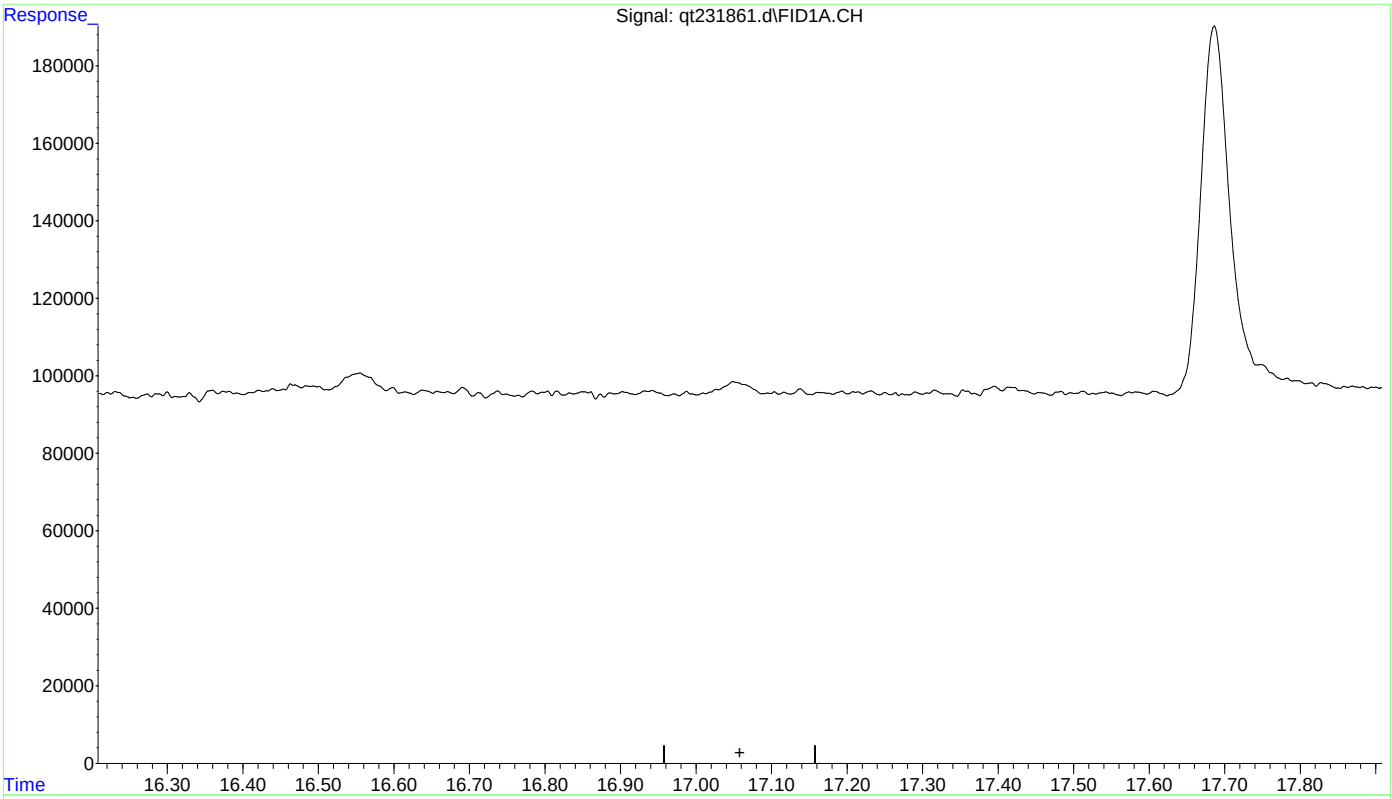
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:46:27 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:19:05
Operator : williamc
Sample   : ic3114-0.05
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(23) o-XYLENE #2

17.058min 0.000 PPMV

response 0

(+) = Expected Retention Time

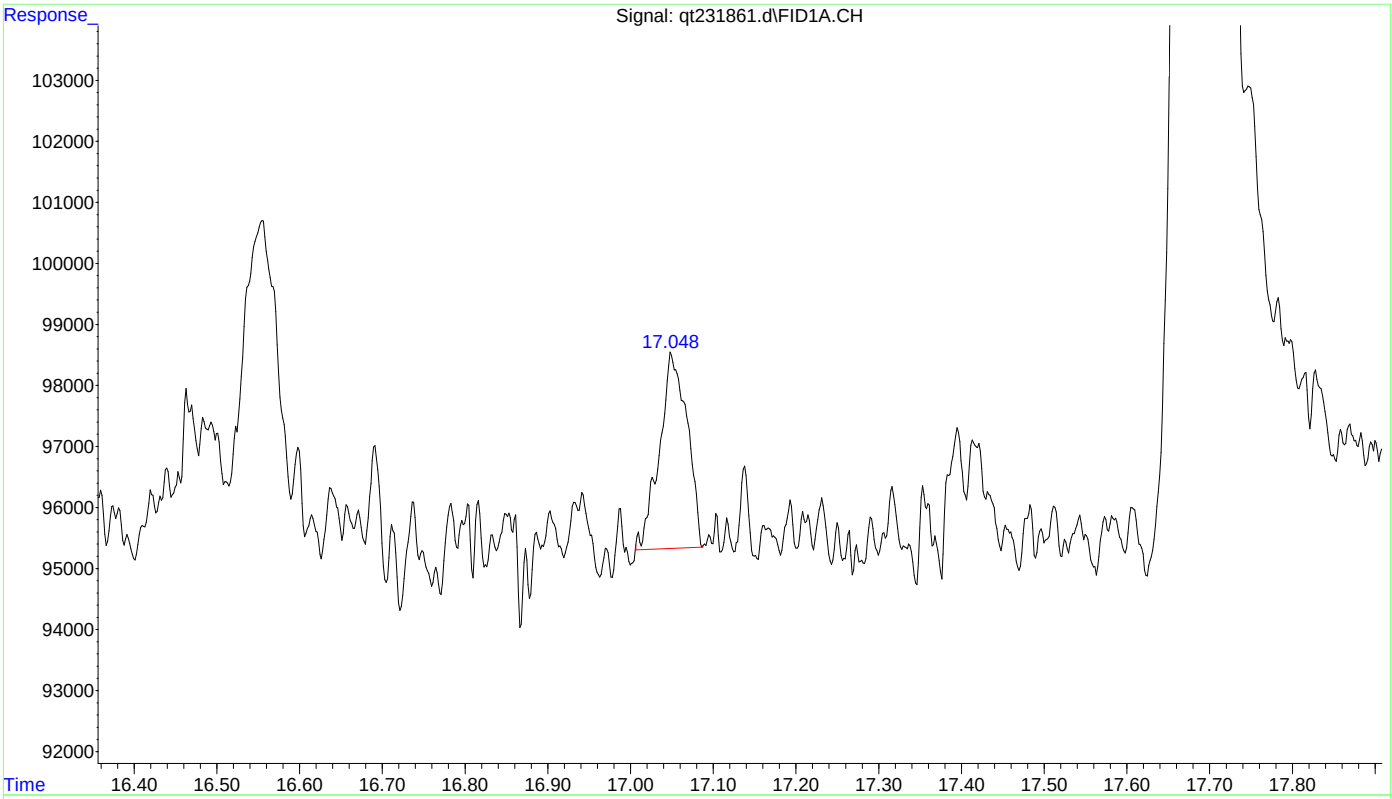
MQT3114.M Tue Jan 28 10:46:35 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231861.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:19:05
Operator : williamc
Sample : ic3114-0.05
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 24 11:46:21 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(23) o-XYLENE #2

17.048min 0.051 PPMV m

response 74346

(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:46:45 2025

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/28/25 14:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:04:45 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.685	2673885	10.496 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	104.96%	
26) s	4-Bromofluorobenzene #2	17.686	2557207	9.706 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	97.06%	
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.557	48206	0.115 PPMV m
2)	BENZENE	11.219	89134	0.125 PPMV m
3)	TOLUENE	14.289	86109	0.119 PPMV m
4)	ETHYLBENZENE	16.473	70955	0.113 PPMV m
5)	m,p-XYLENE	16.552	196922	0.235 PPMV m
6)	o-XYLENE	17.052	82617	0.136 PPMV m
7)	ISOPROPYLBENZENE	17.395	50618	0.082 PPMV m
17)	METHYL TERTIARY BUTYL...	8.556	107208	0.109 PPMV m
19)	BENZENE #2	11.229	169274	0.119 PPMV m
20)	TOLUENE #2	14.275	173684	0.120 PPMV m
21)	ETHYLBENZENE #2	16.464	152665	0.106 PPMV m
22)	m,p-XYLENE #2	16.553	363346	0.220 PPMV m
23)	o-XYLENE #2	17.058	130275	0.090 PPMV m
24)	Isopropylbenzene #2	17.399	89664	0.057 PPMV m

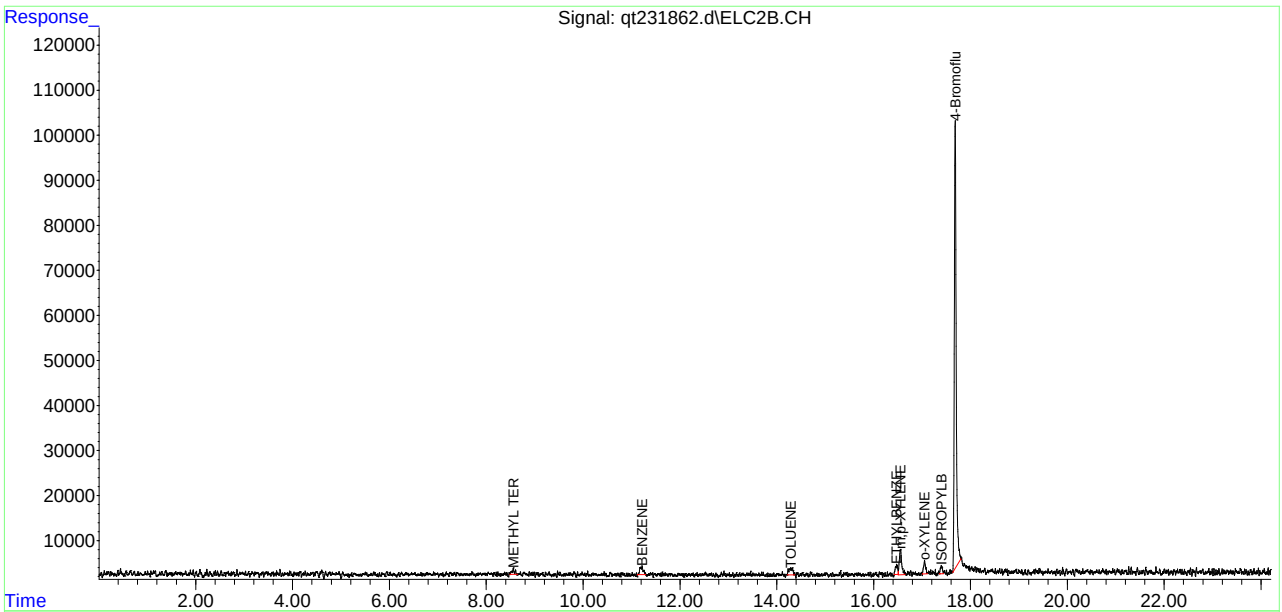
(f)=RT Delta > 1/2 Window (m)=manual int.

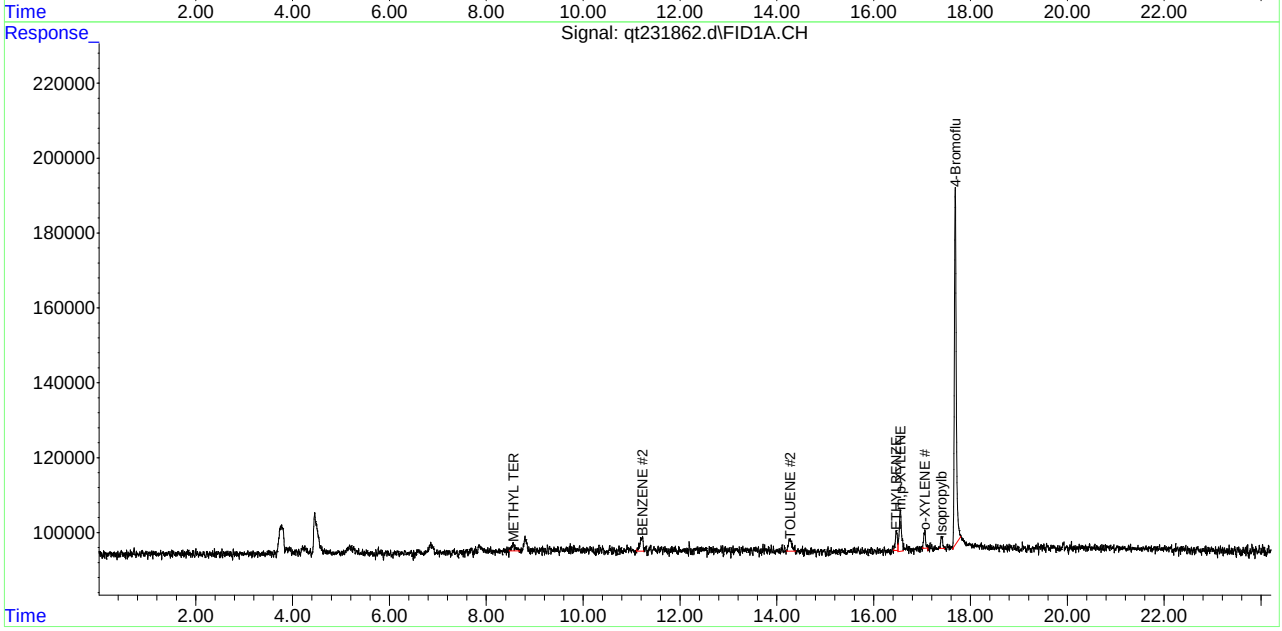
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:04:45 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number: GQT3114-IC3114
Lab FileID: QT231862.D
Injection Time: 01/24/25 11:59
Method: EPA TO-3
Analyst approved: 01/28/25 12:01 William Cruser
Supervisor approved: 01/28/25 14:09 Kanya Veerawat

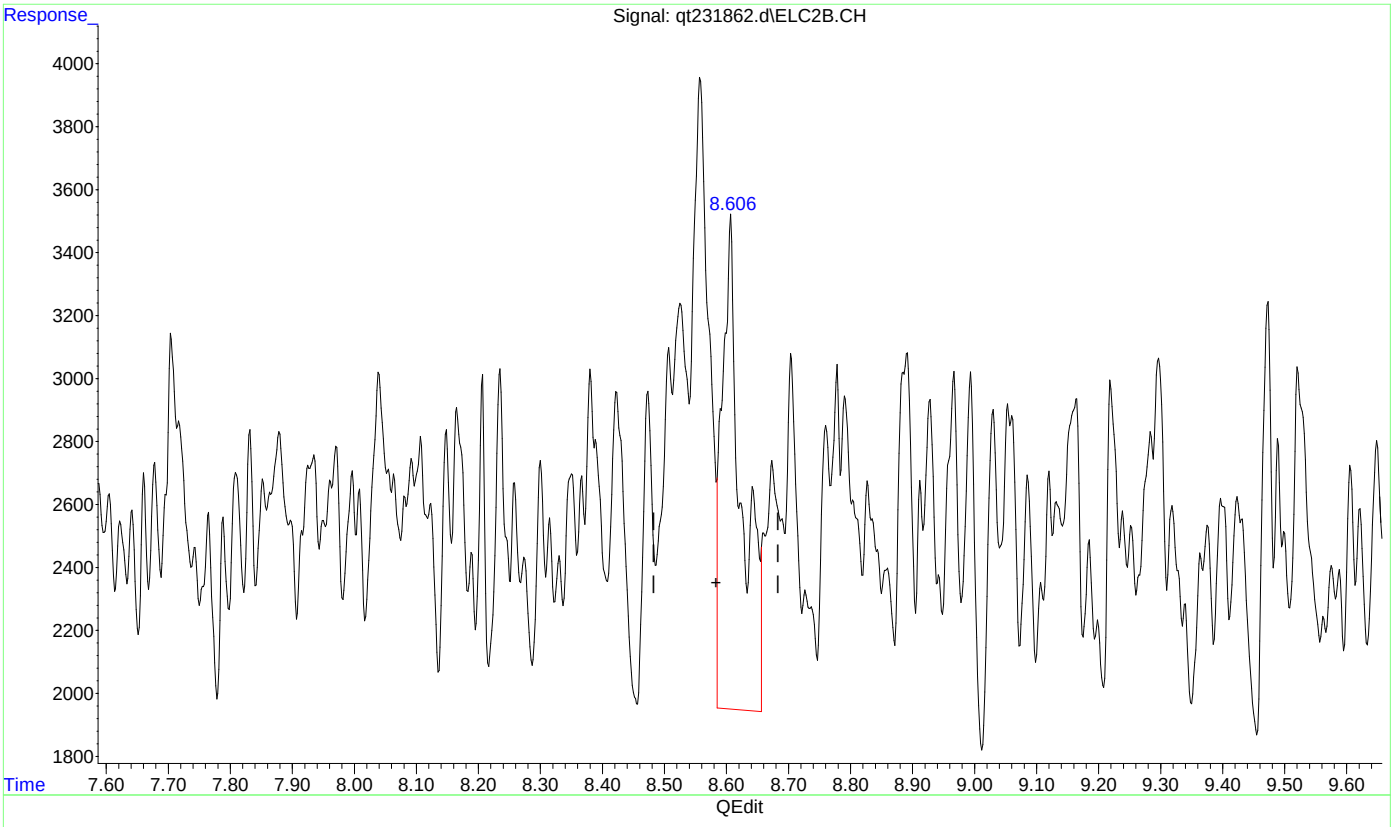
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Tert Butyl Ether	1634-04-4	1	8.56	Poorly defined baseline
Methyl Tert Butyl Ether	1634-04-4	2	8.56	Missed peak
Benzene	71-43-2	1	11.22	Poorly defined baseline
Benzene	71-43-2	2	11.23	Poorly defined baseline
Toluene	108-88-3	2	14.27	Missed peak
Toluene	108-88-3	1	14.29	Split peak
Ethylbenzene	100-41-4	2	16.46	Missed peak
Ethylbenzene	100-41-4	1	16.47	Missed peak
m,p-Xylene		1	16.55	Missed peak
m,p-Xylene		2	16.55	Missed peak
o-Xylene	95-47-6	1	17.05	Missed peak
o-Xylene	95-47-6	2	17.06	Missed peak
Isopropylbenzene	98-82-8	1	17.39	Missed peak
Isopropylbenzene	98-82-8	2	17.40	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(1) METHYL TERTIARY BUTYL ETHER

8.605min 0.084 PPMV

response 35103

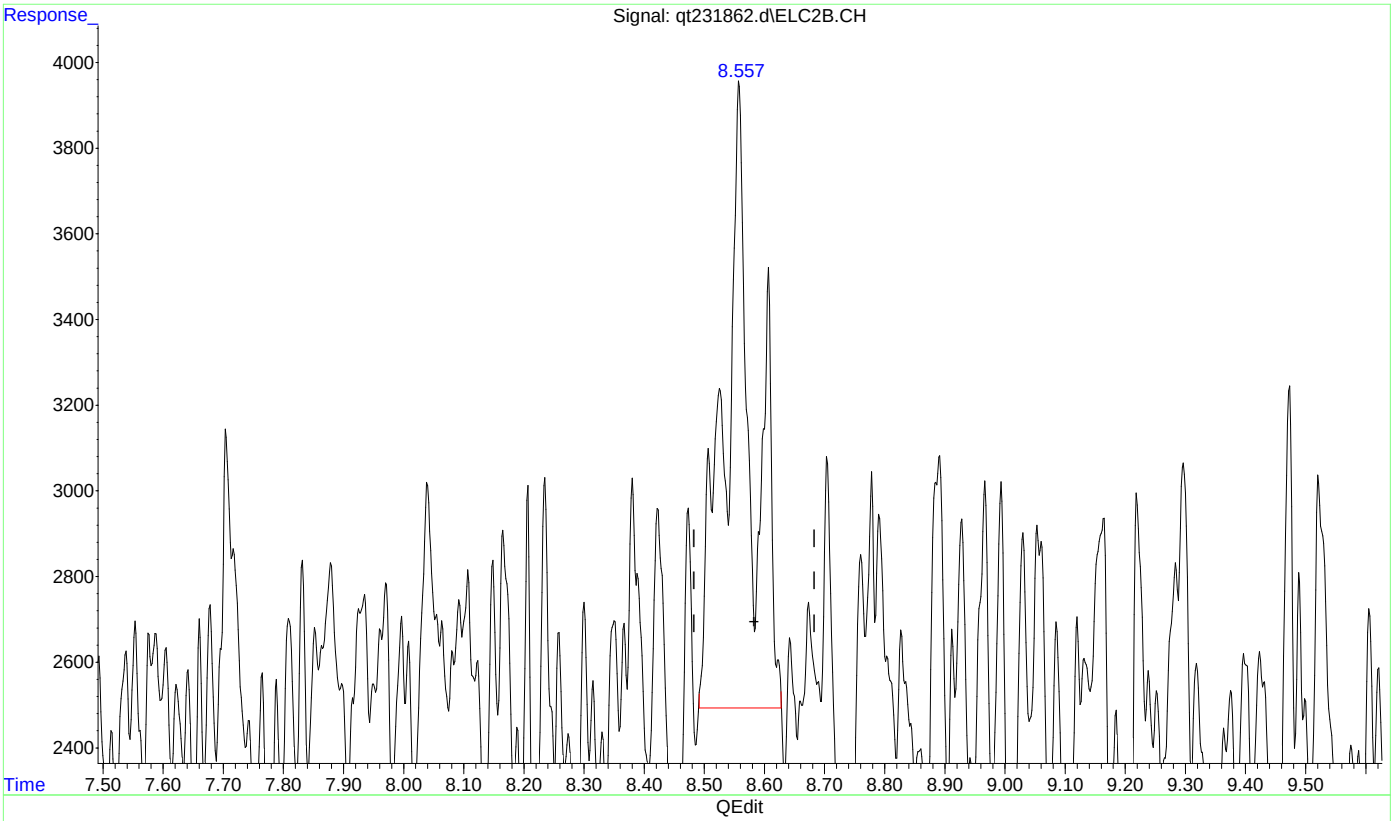
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:50:08 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(1) METHYL TERTIARY BUTYL ETHER

8.557min 0.115 PPMV m

response 48206

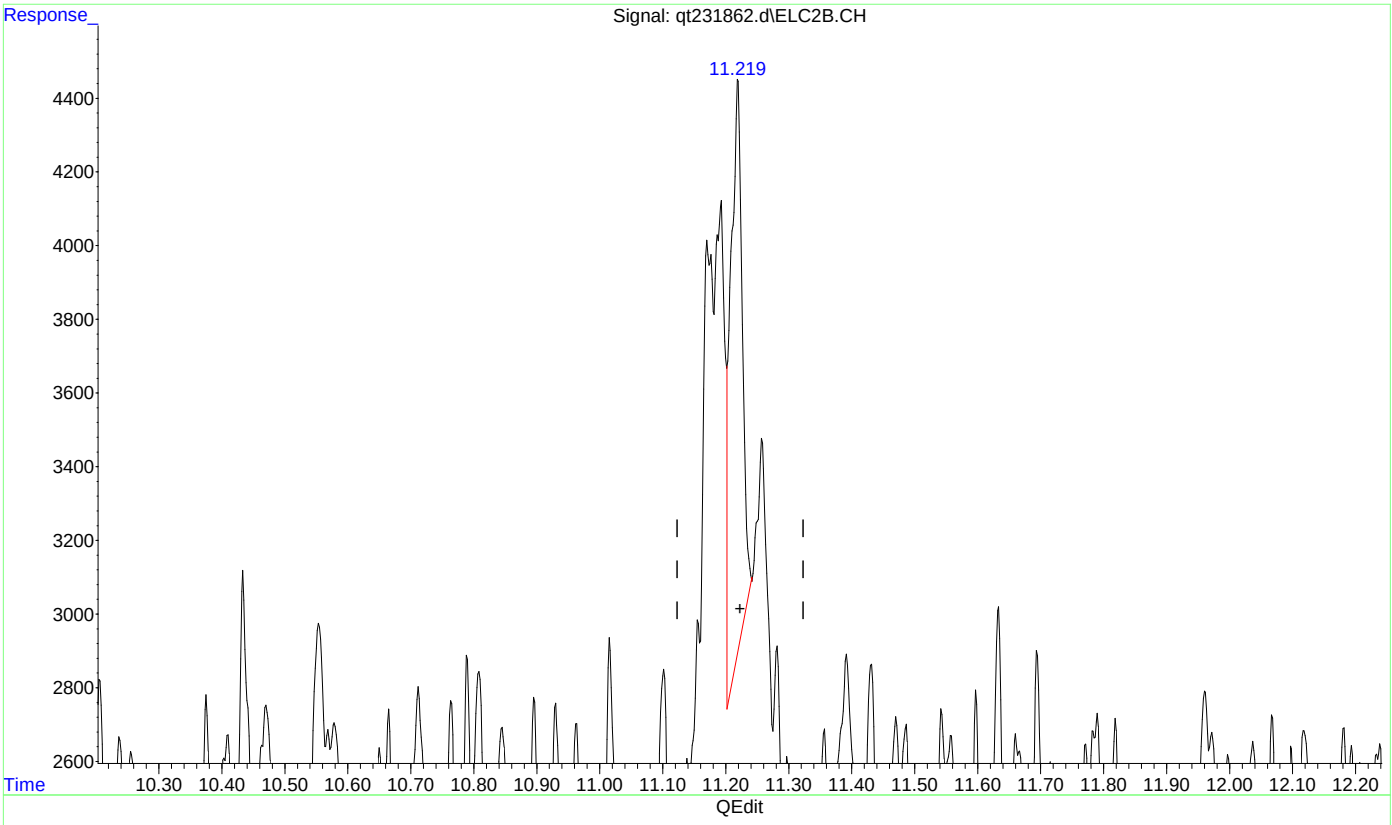
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:50:19 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(2) BENZENE

11.219min 0.029 PPMV

response 20569

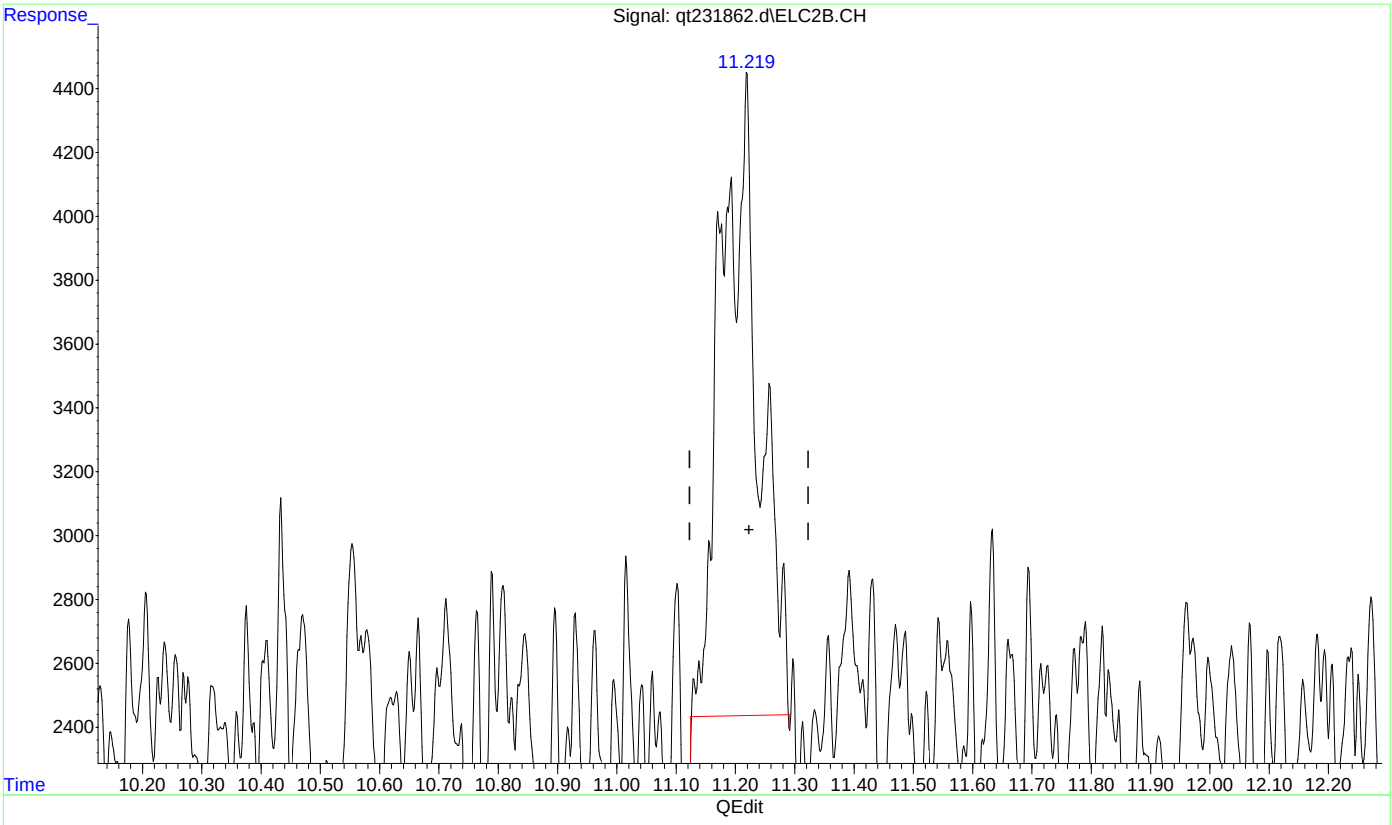
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:50:24 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(2) BENZENE

11.219min 0.125 PPMV m

response 89134

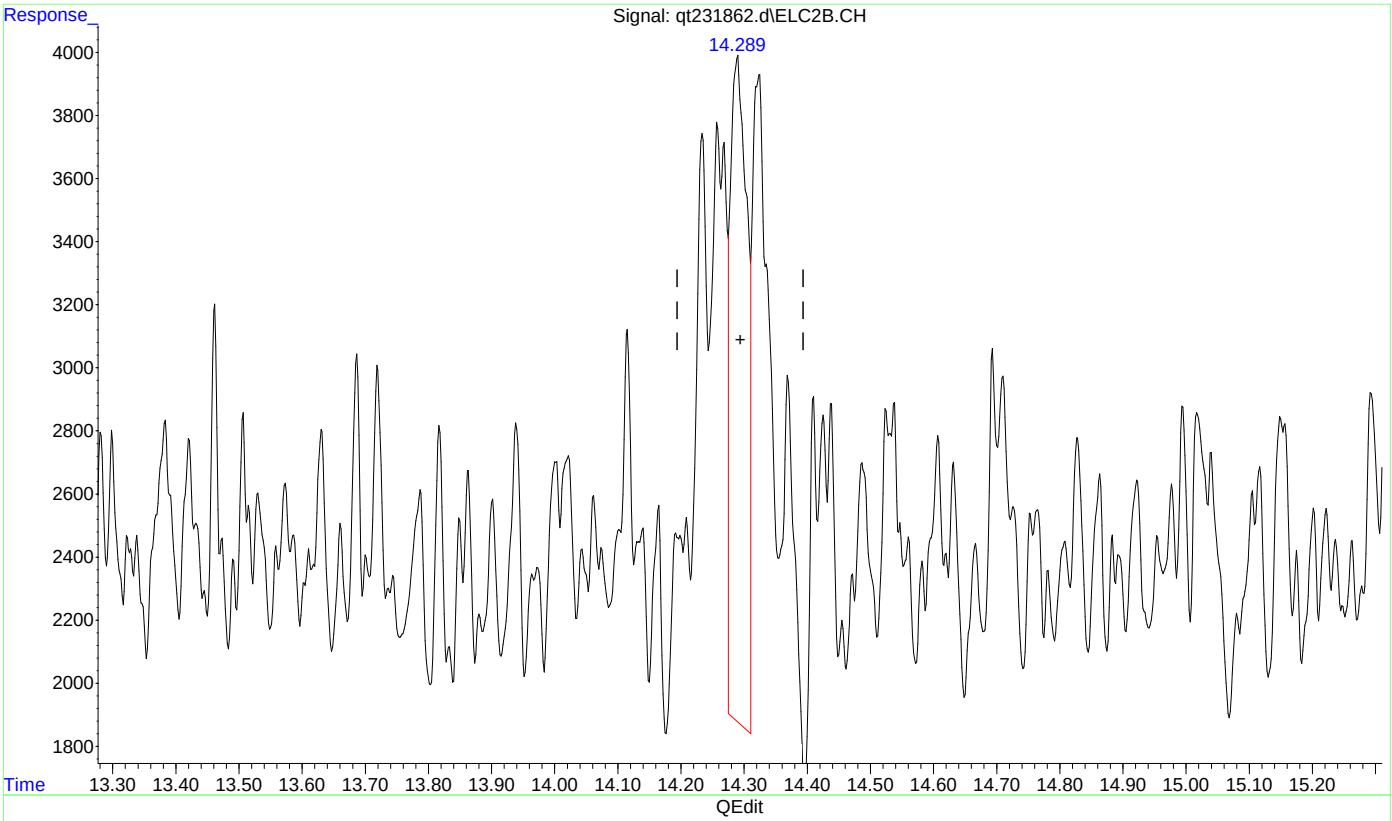
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:50:42 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(3) TOLUENE

14.290min 0.054 PPMV

response 38925

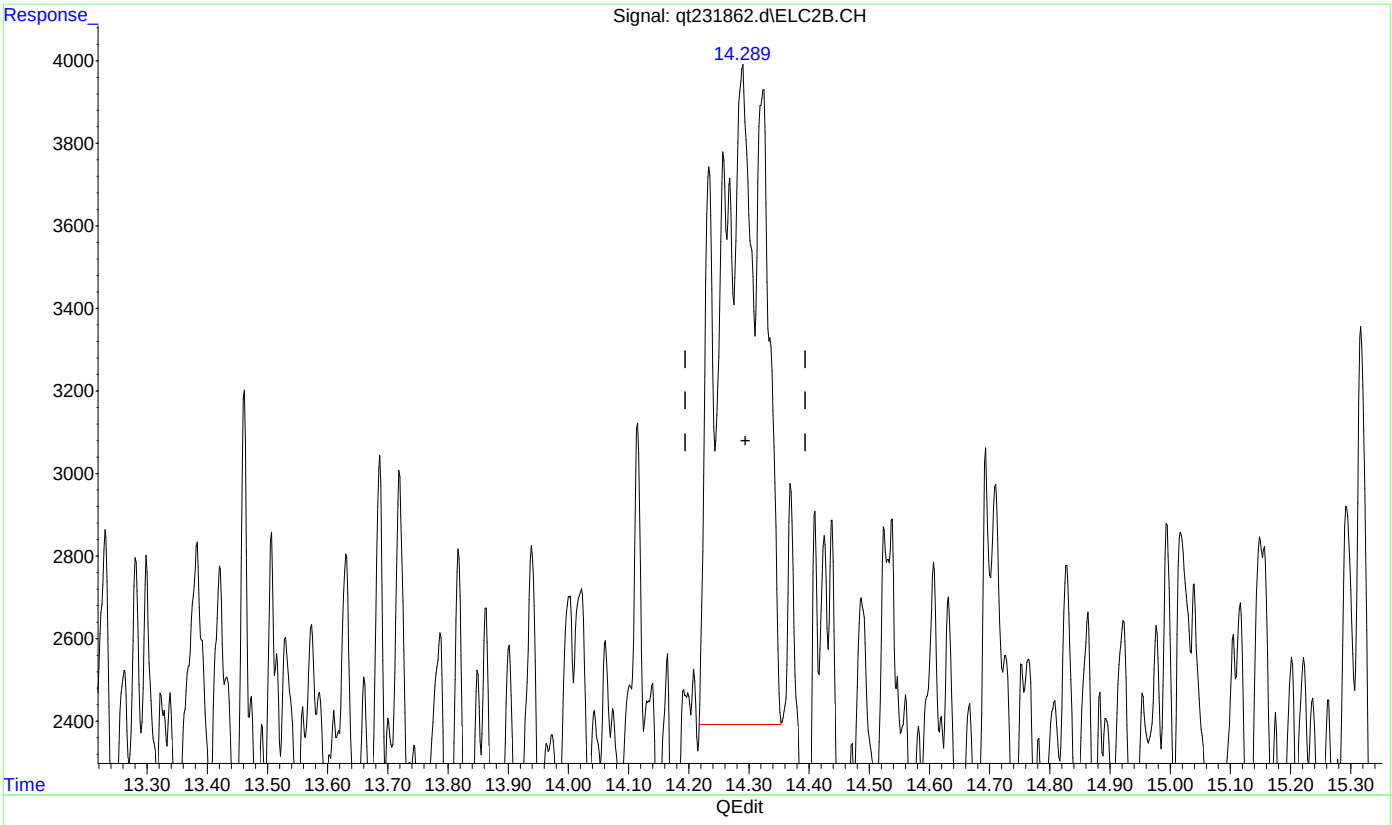
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:50:48 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(3) TOLUENE

14.289min 0.119 PPMV m

response 86109

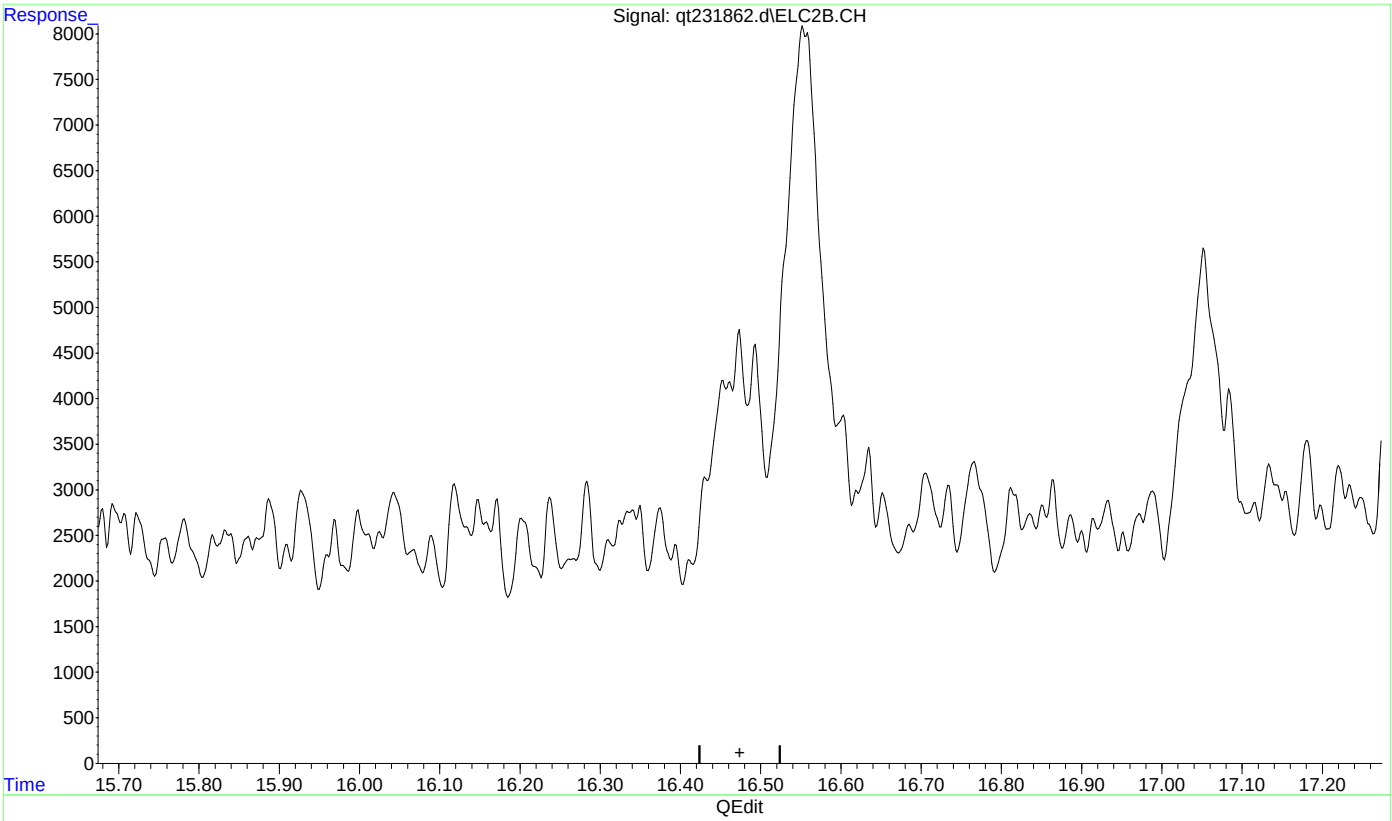
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:51:05 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(4) ETHYLBENZENE

16.474min 0.000 PPMV

response 0

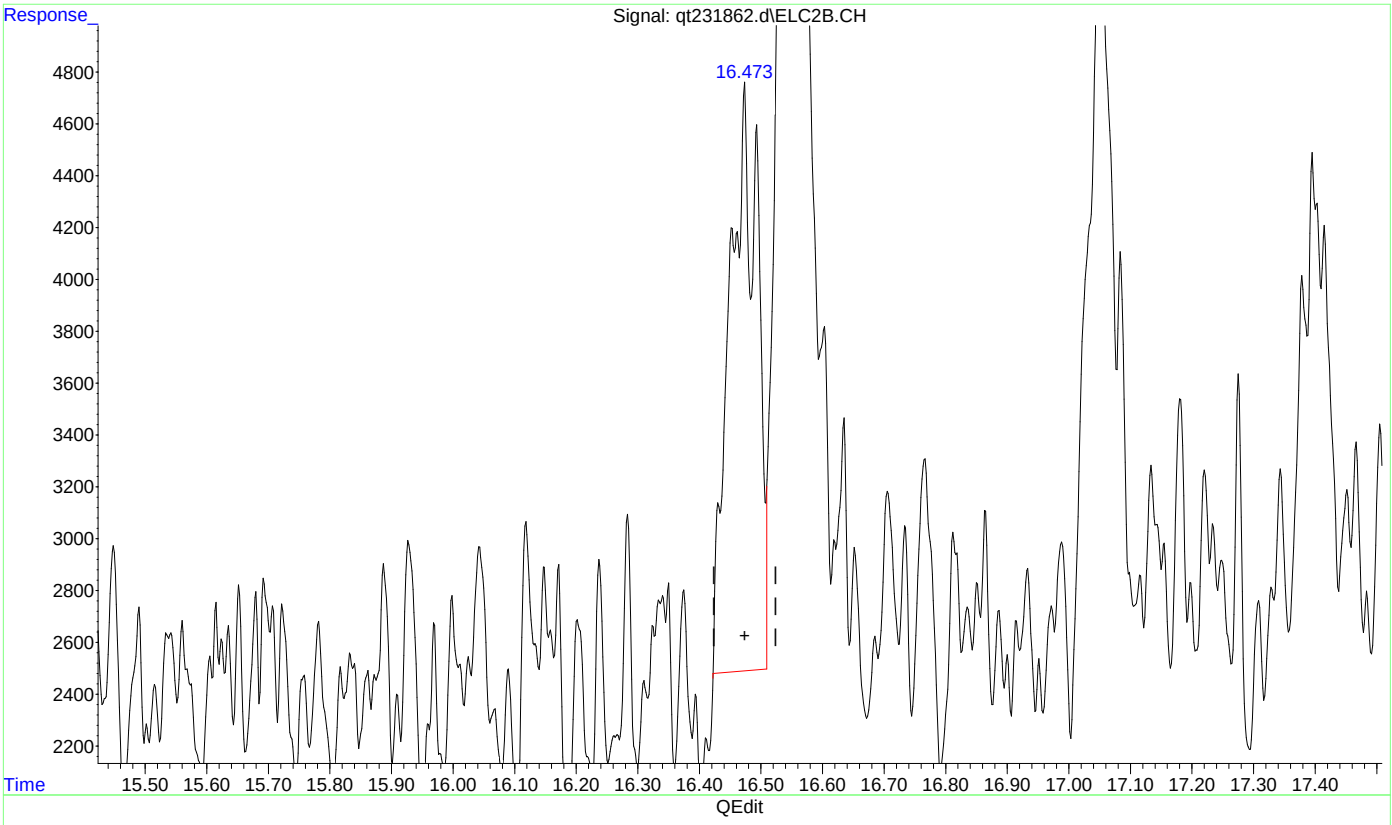
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:58:02 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(4) ETHYLBENZENE

16.473min 0.113 PPMV m

response 70955

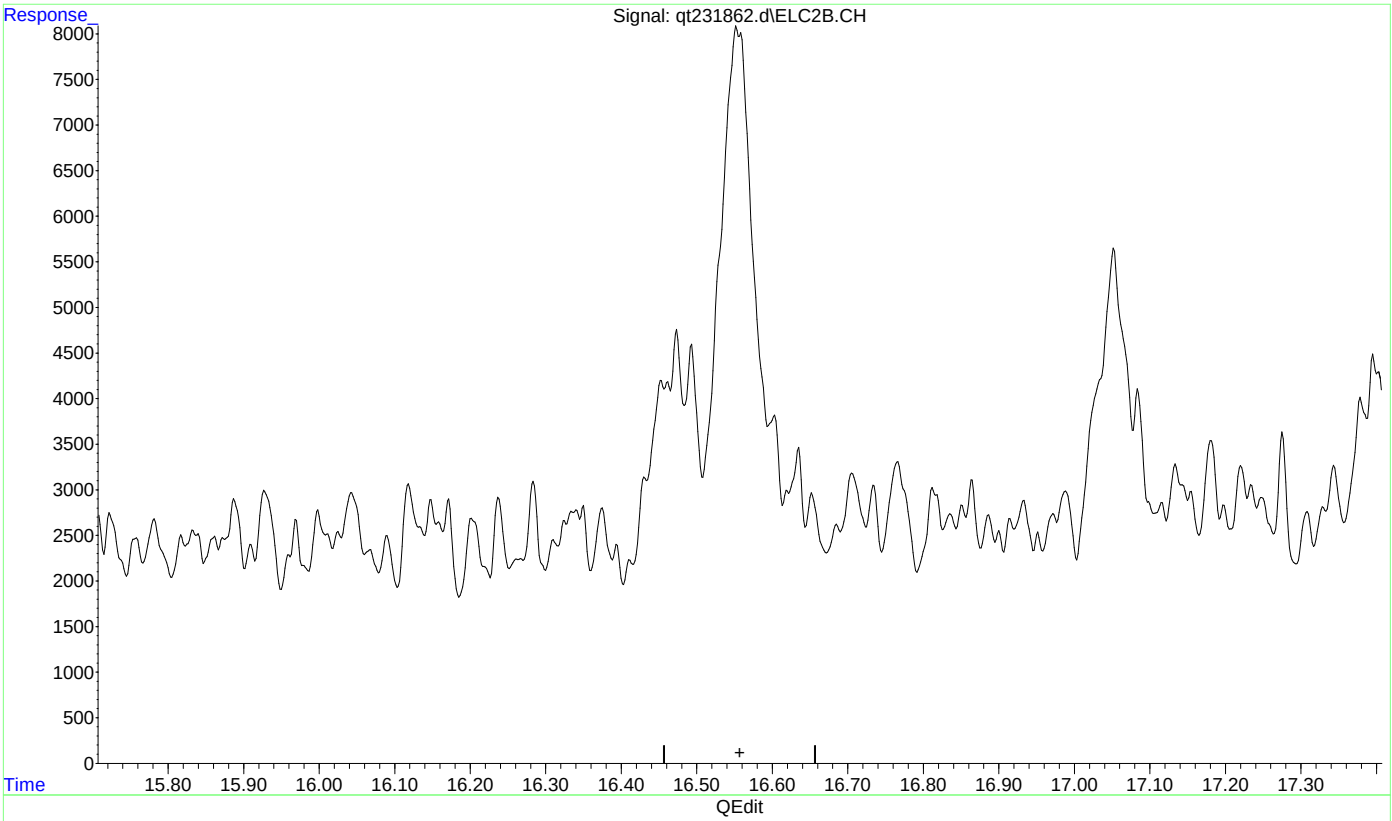
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:58:14 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:59:45
Operator : williamc
Sample   : ic3114-0.1
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(5) m,p-XYLENE

16.557min 0.000 PPMV

response 0

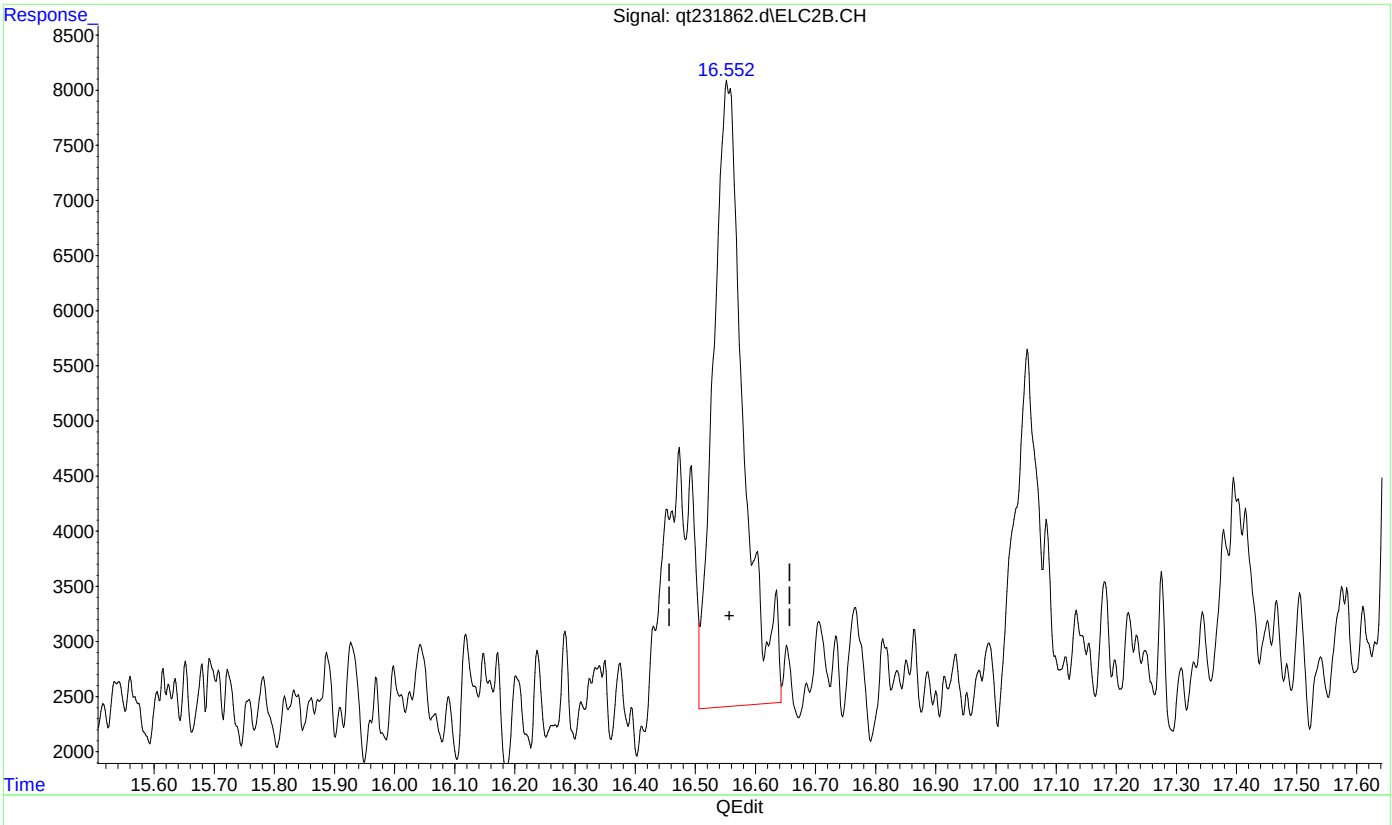
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:58:19 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:59:45
Operator : williamc
Sample   : ic3114-0.1
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(5) m,p-XYLENE

16.552min 0.235 PPMV m

response 196922

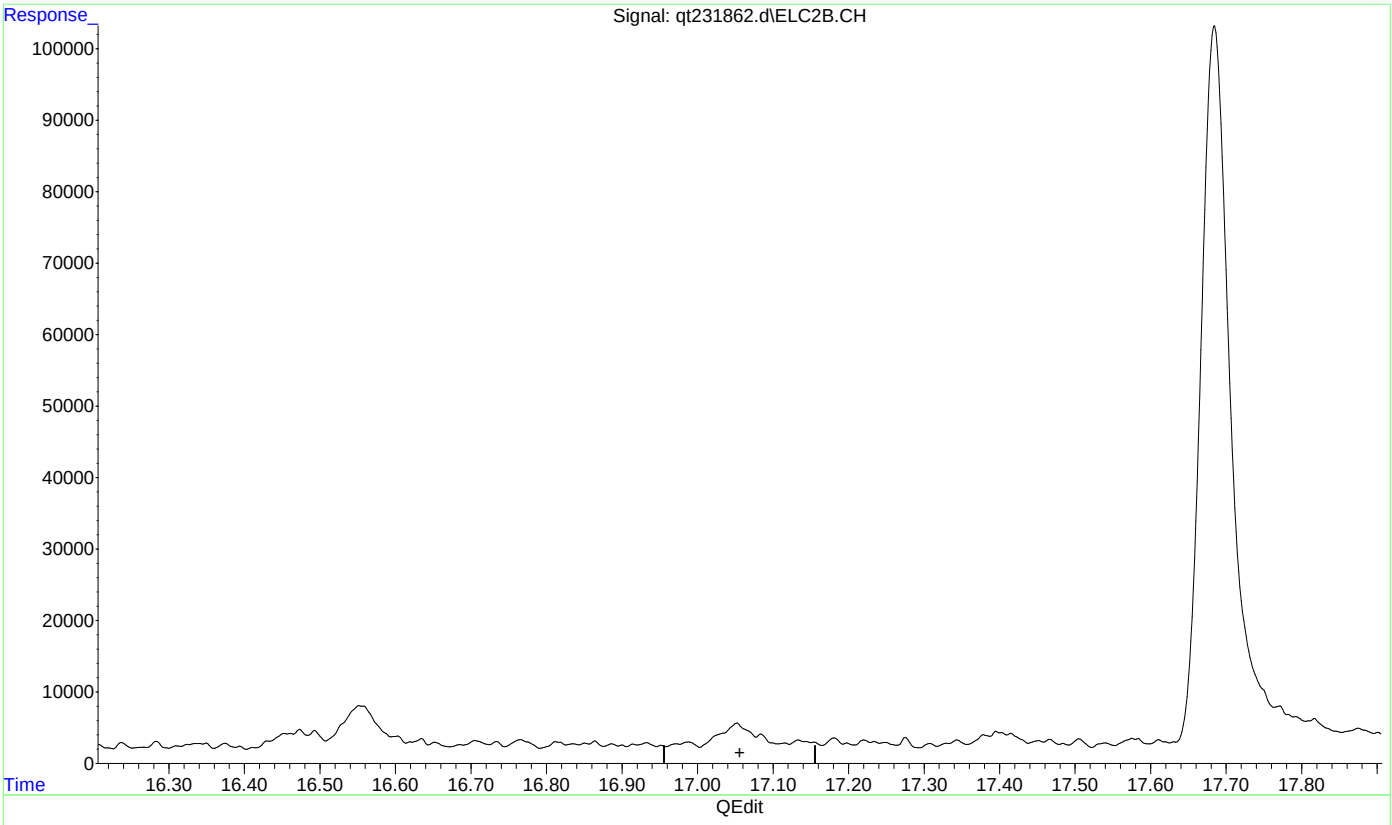
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 10:58:42 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(6) o-XYLENE

17.056min 0.000 PPMV

response 0

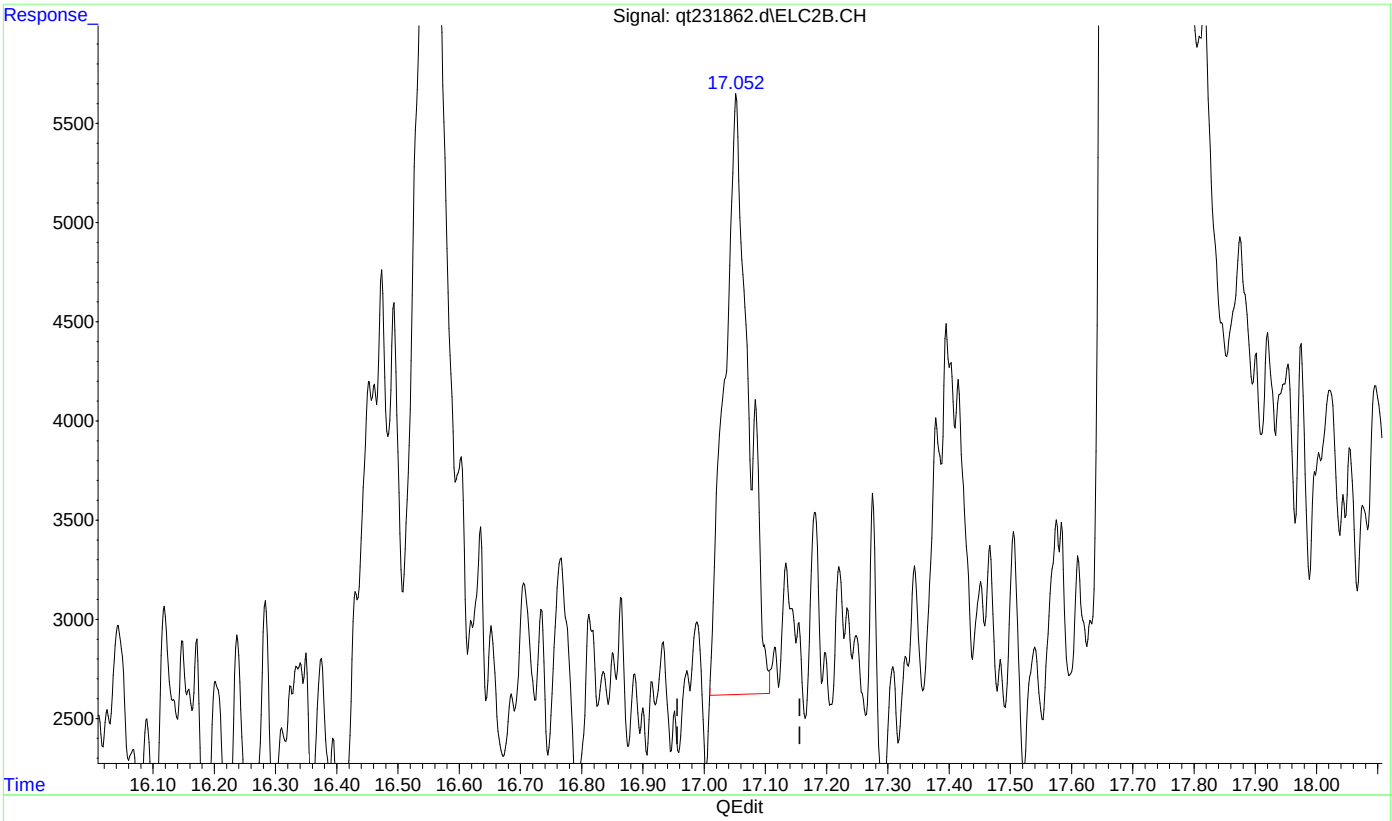
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:01:19 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(6) o-XYLENE

17.052min 0.136 PPMV m

response 82617

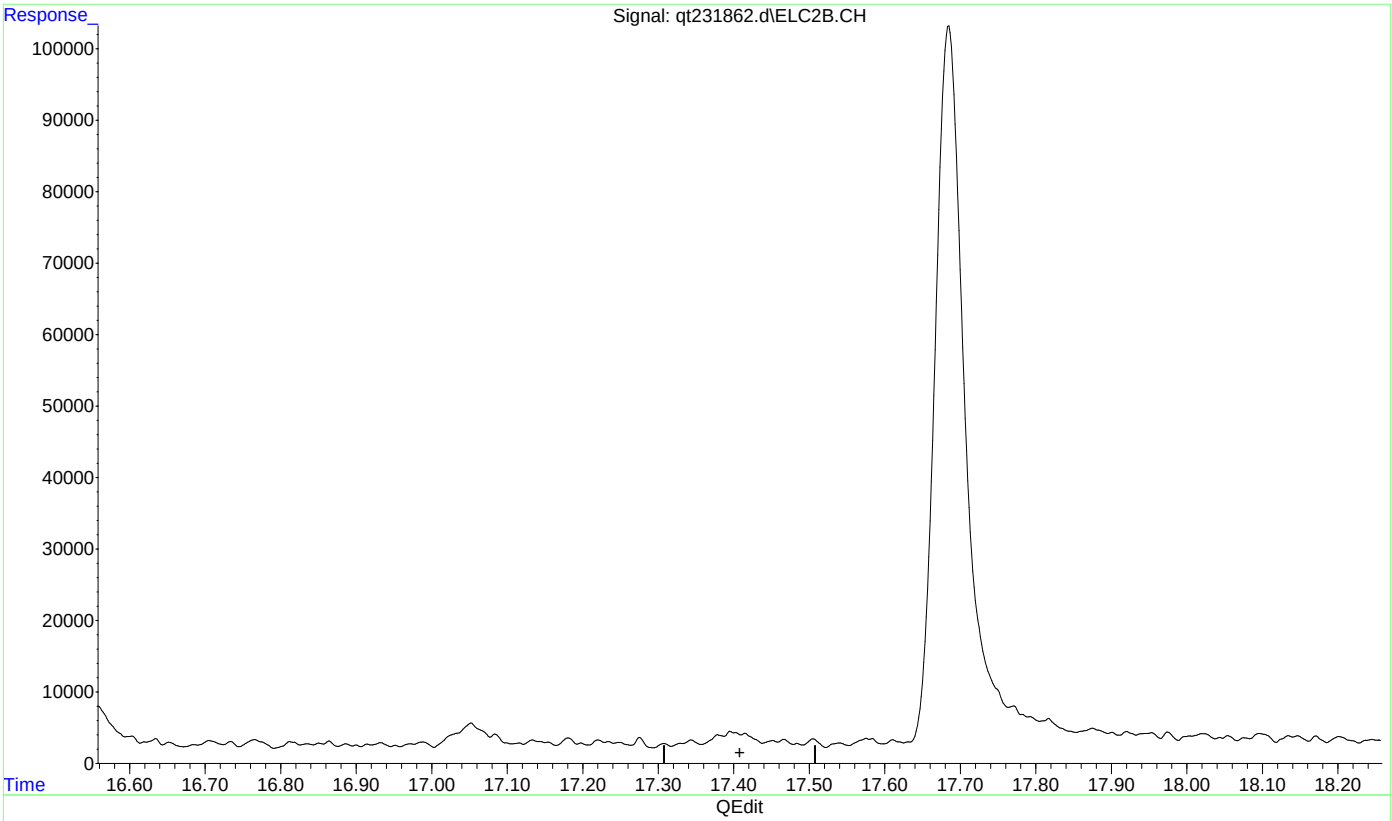
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:01:30 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:59:45
Operator : williamc
Sample   : ic3114-0.1
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(7) ISOPROPYLBENZENE ( )

17.408min 0.000 PPMV

response 0

(+) = Expected Retention Time

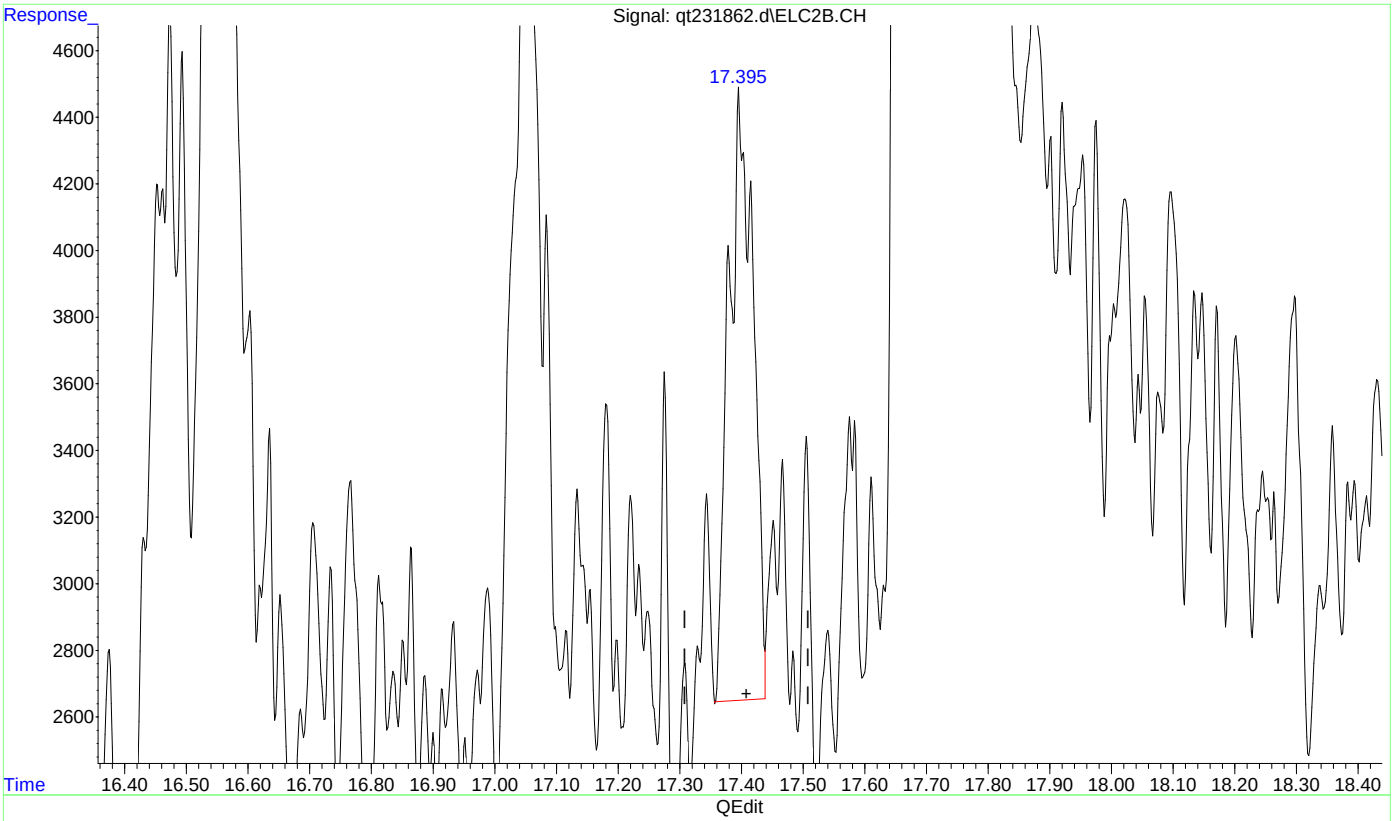
MQT3114.M Tue Jan 28 11:01:35 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:59:45
Operator : williamc
Sample   : ic3114-0.1
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(7) ISOPROPYLBENZENE ( )

17.395min 0.082 PPMV m

response 50618

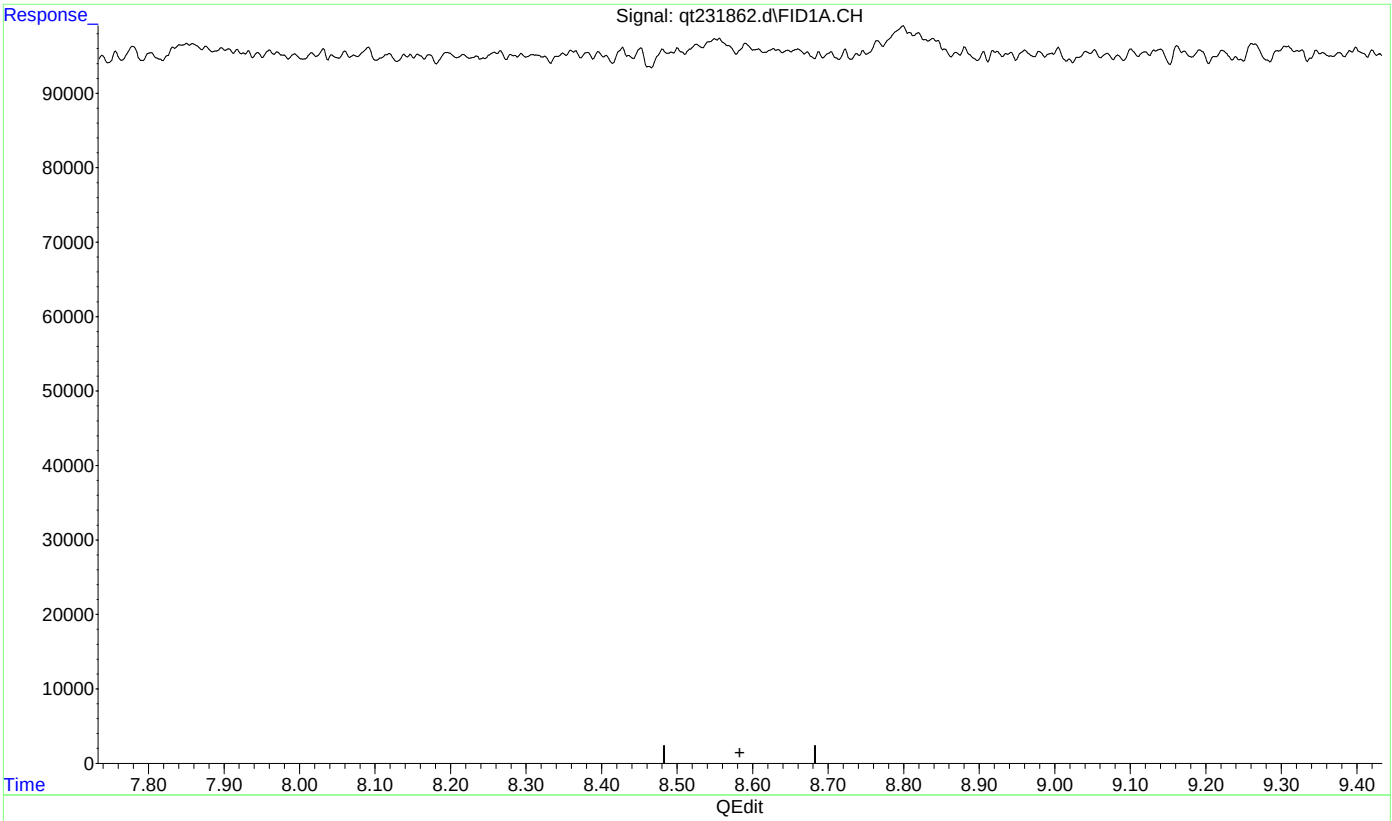
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:01:48 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:59:45
Operator : williamc
Sample   : ic3114-0.1
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(17) METHYL TERTIARY BUTYL ETHER #2

8.583min 0.000 PPMV

response 0

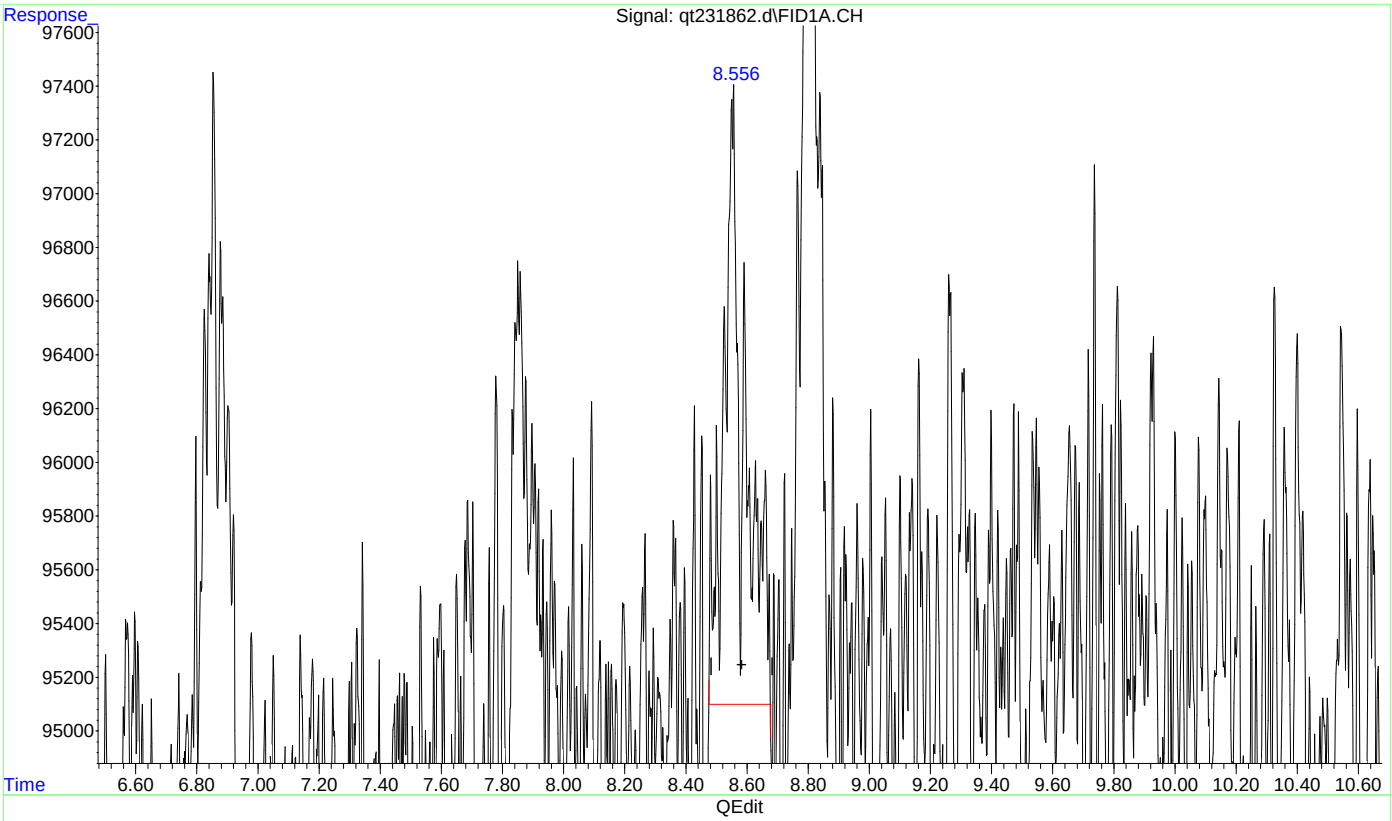
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:02:01 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(17) METHYL TERTIARY BUTYL ETHER #2

8.556min 0.109 PPMV m

response 107208

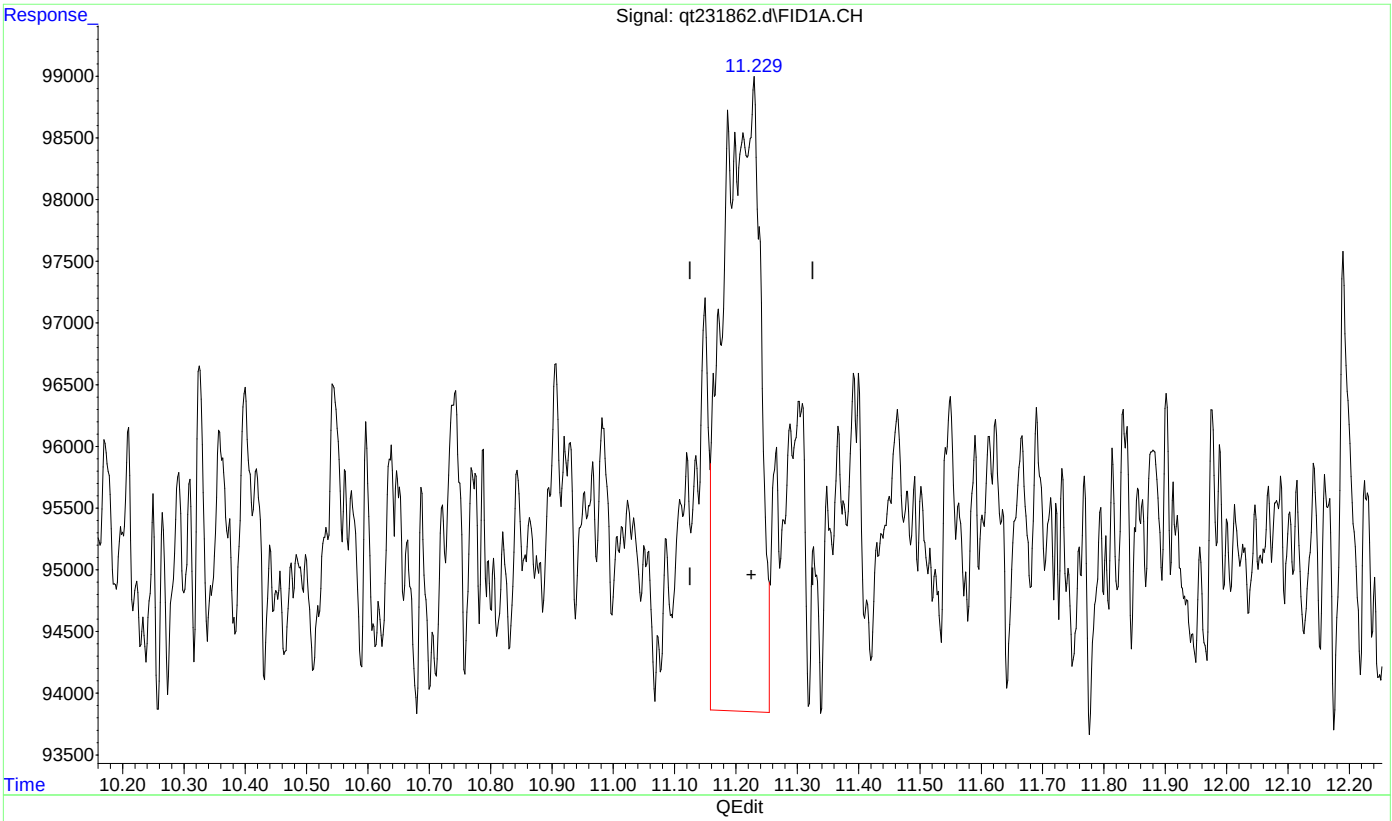
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:02:22 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(19) BENZENE #2

11.229min 0.150 PPMV

response 213517

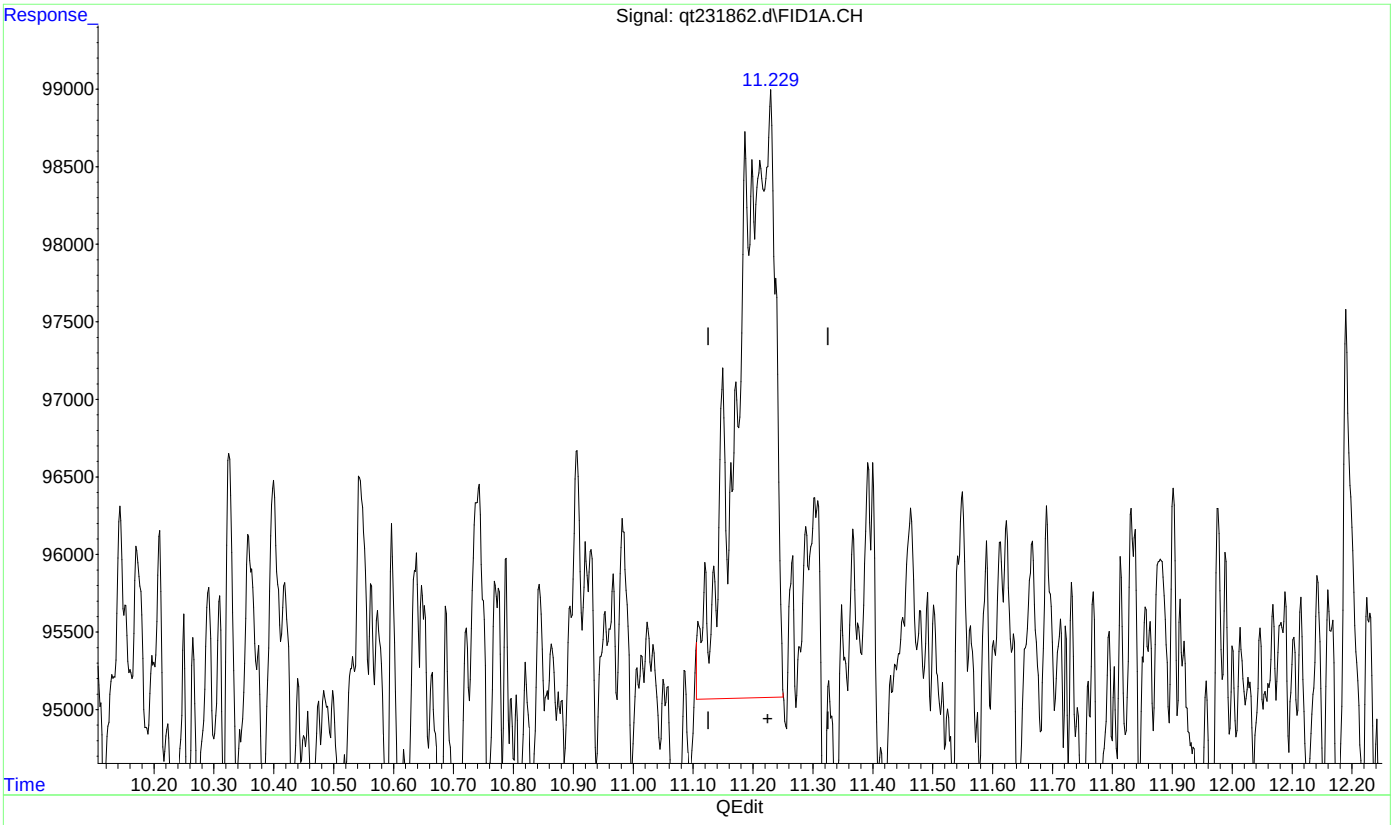
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:02:48 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(19) BENZENE #2

11.229min 0.119 PPMV m

response 169274

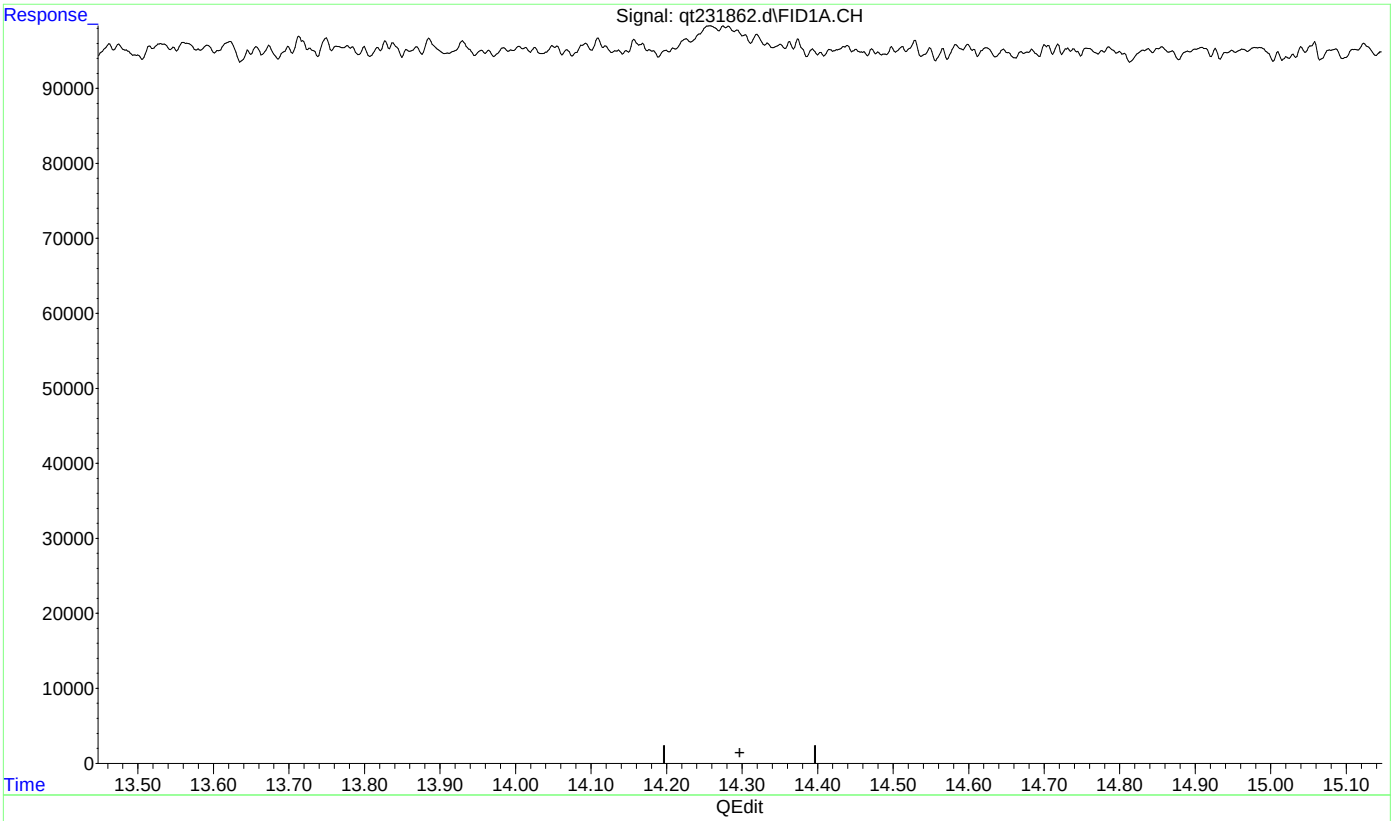
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:03:02 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:59:45
Operator : williamc
Sample   : ic3114-0.1
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(20) TOLUENE #2

14.297min 0.000 PPMV

response 0

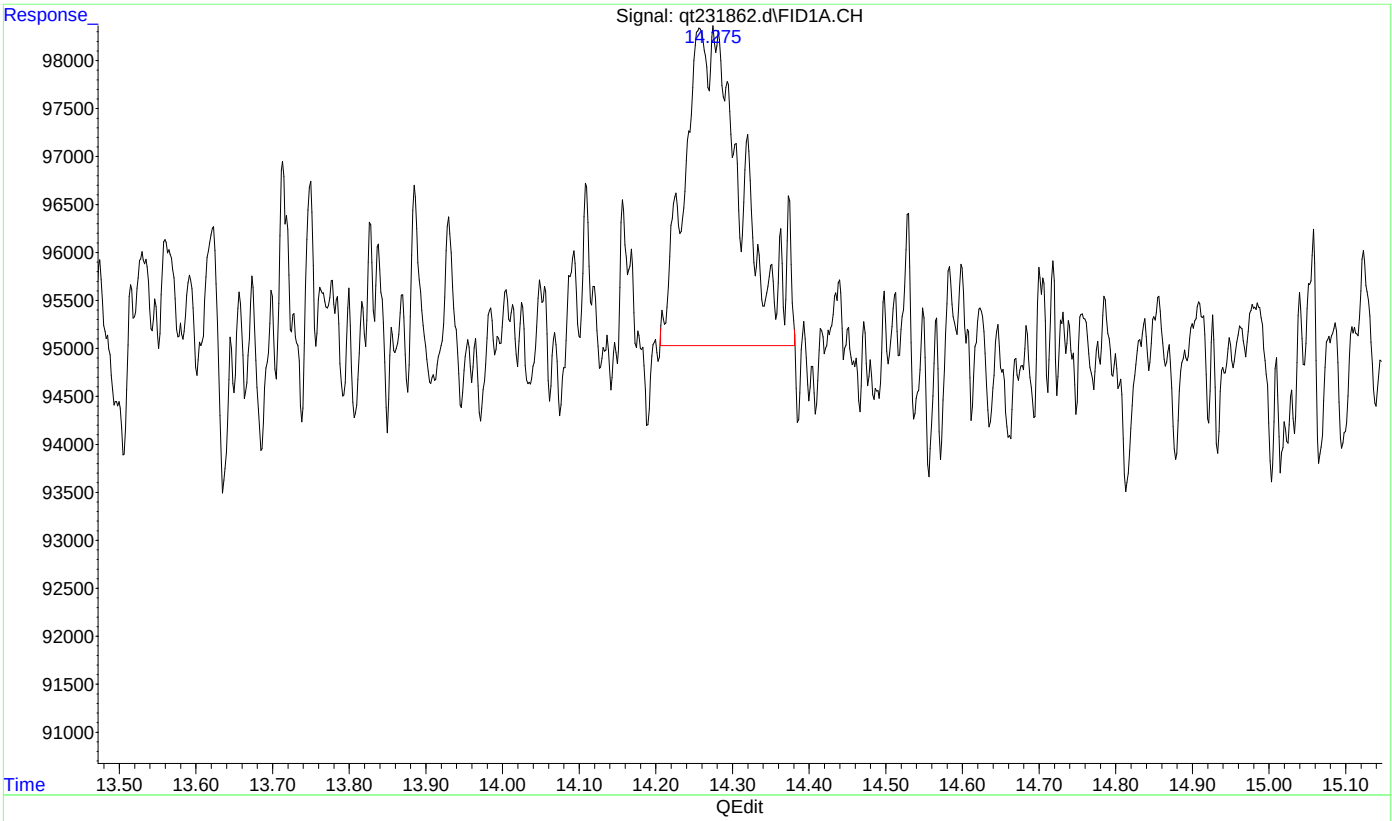
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:03:08 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(20) TOLUENE #2

14.275min 0.120 PPMV m

response 173684

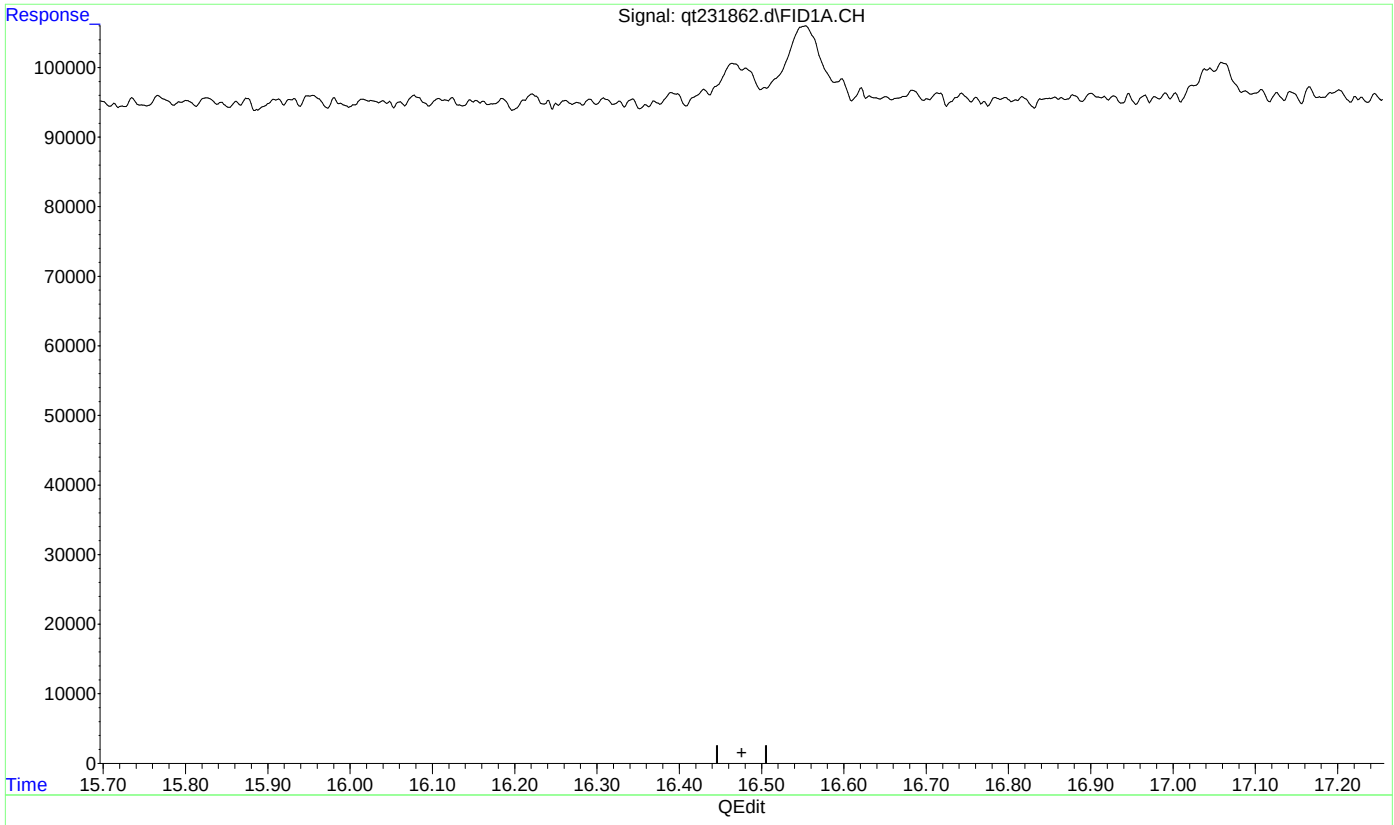
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:03:22 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(21) ETHYLBENZENE #2

16.476min 0.000 PPMV

response 0

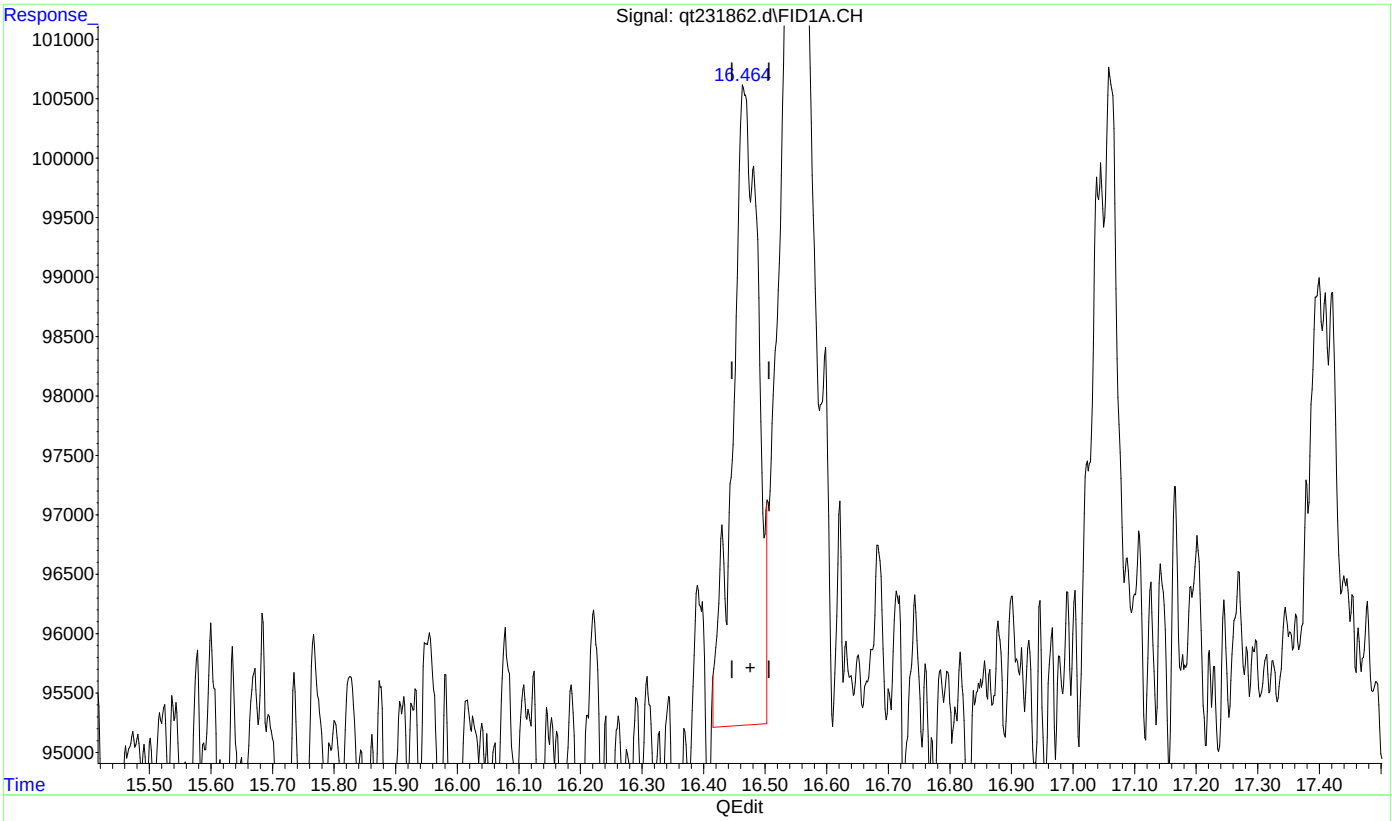
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:03:28 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(21) ETHYLBENZENE #2

16.464min 0.106 PPMV m

response 152665

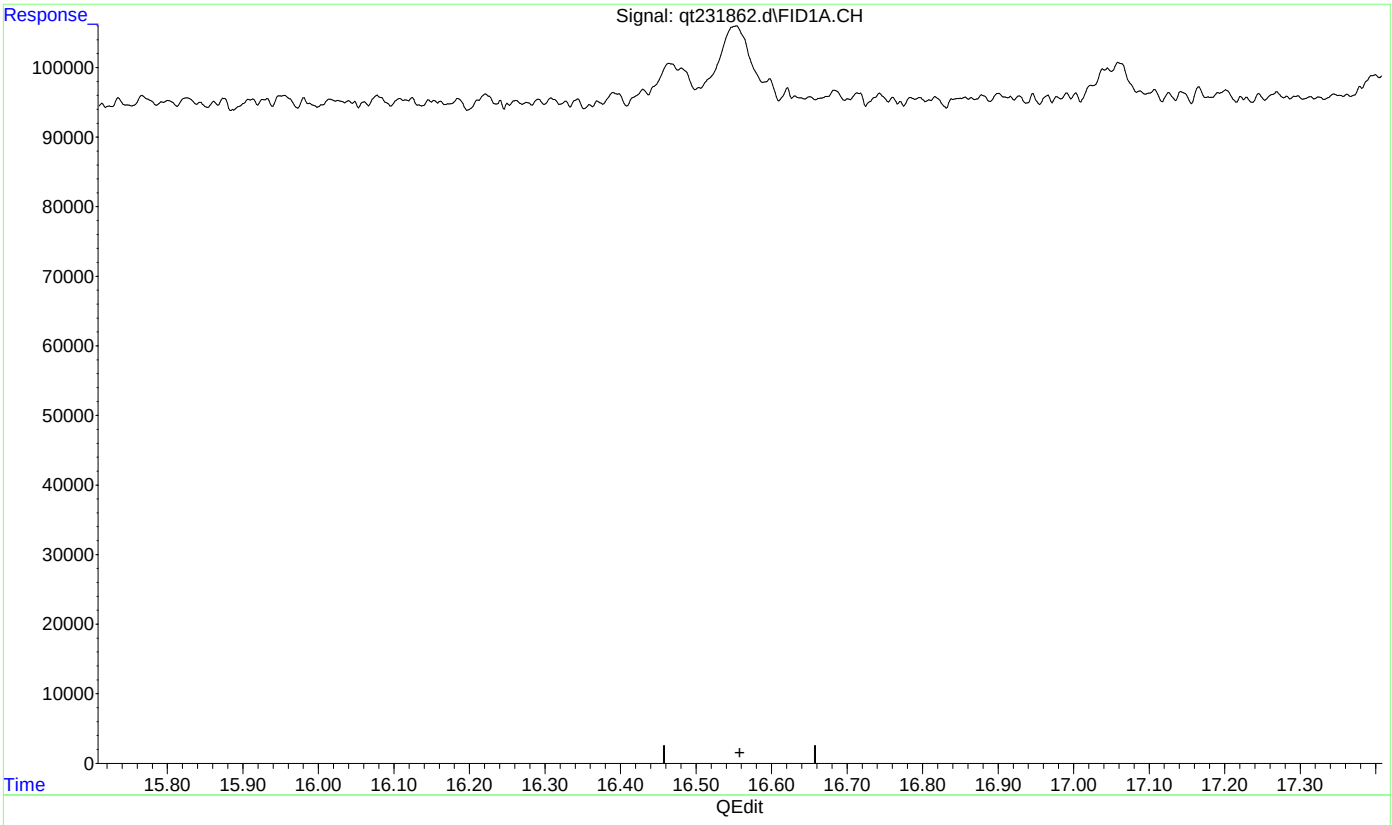
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:03:43 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(22) m,p-XYLENE #2

16.558min 0.000 PPMV

response 0

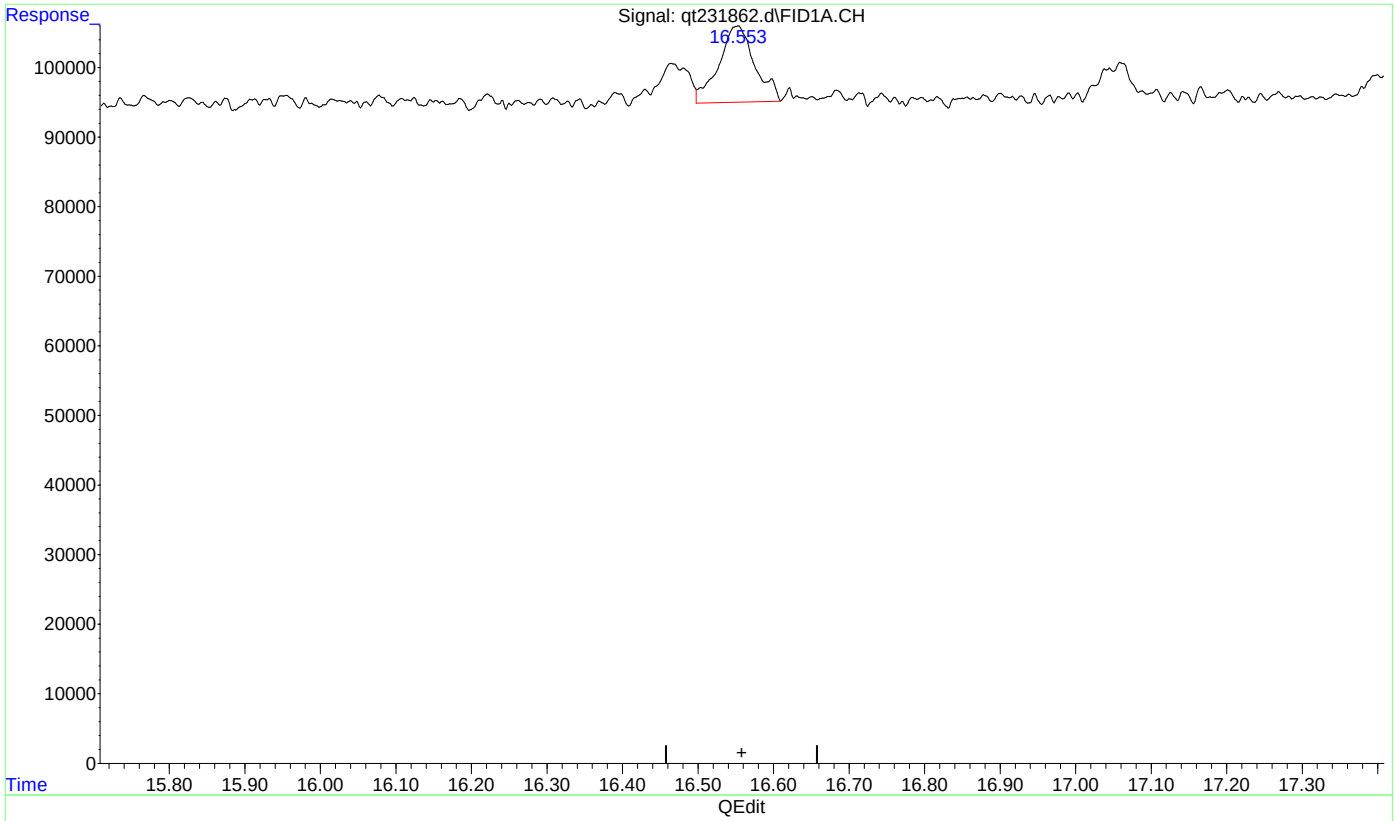
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:03:48 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 11:59:45
Operator : williamc
Sample   : ic3114-0.1
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(22) m,p-XYLENE #2

16.553min 0.220 PPMV m

response 363346

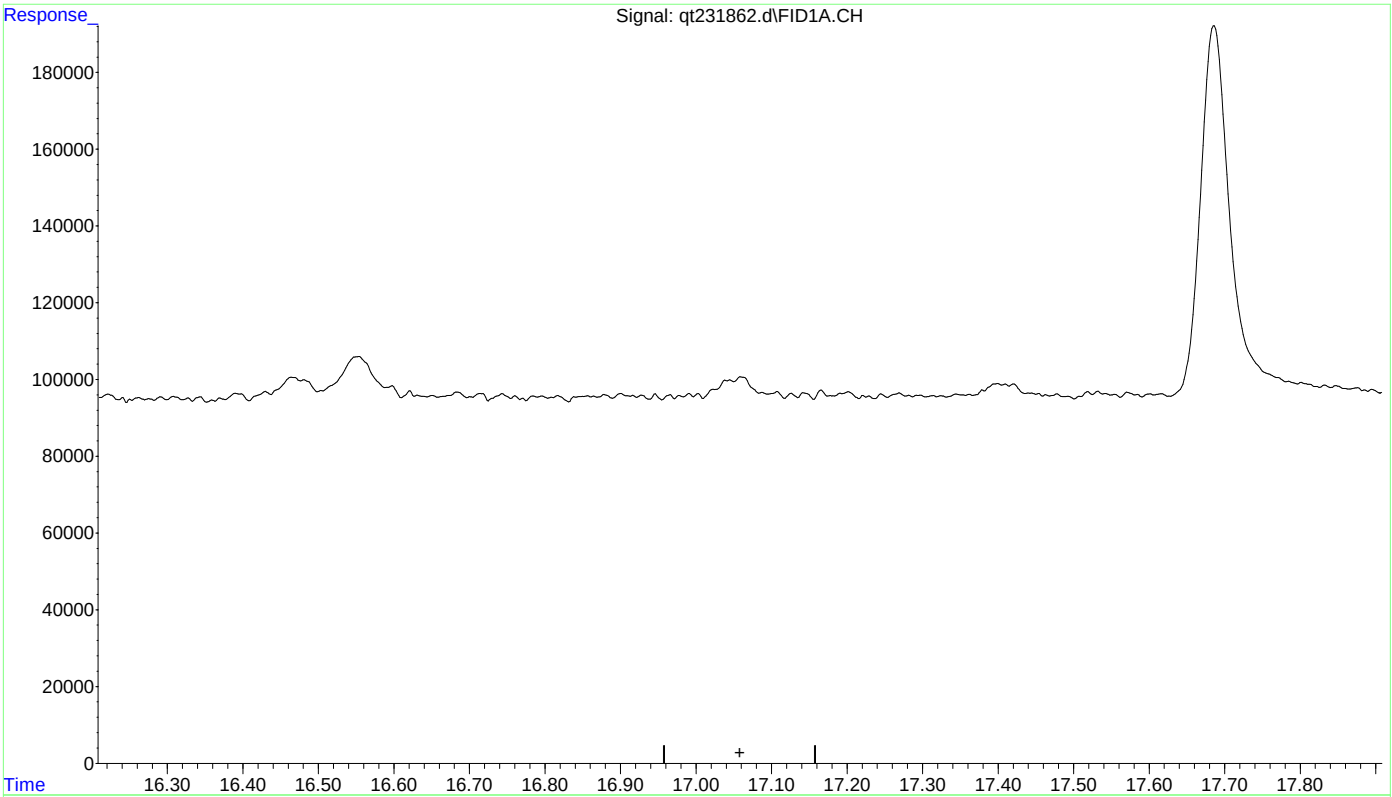
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:03:57 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(23) o-XYLENE #2

17.058min 0.000 PPMV

response 0

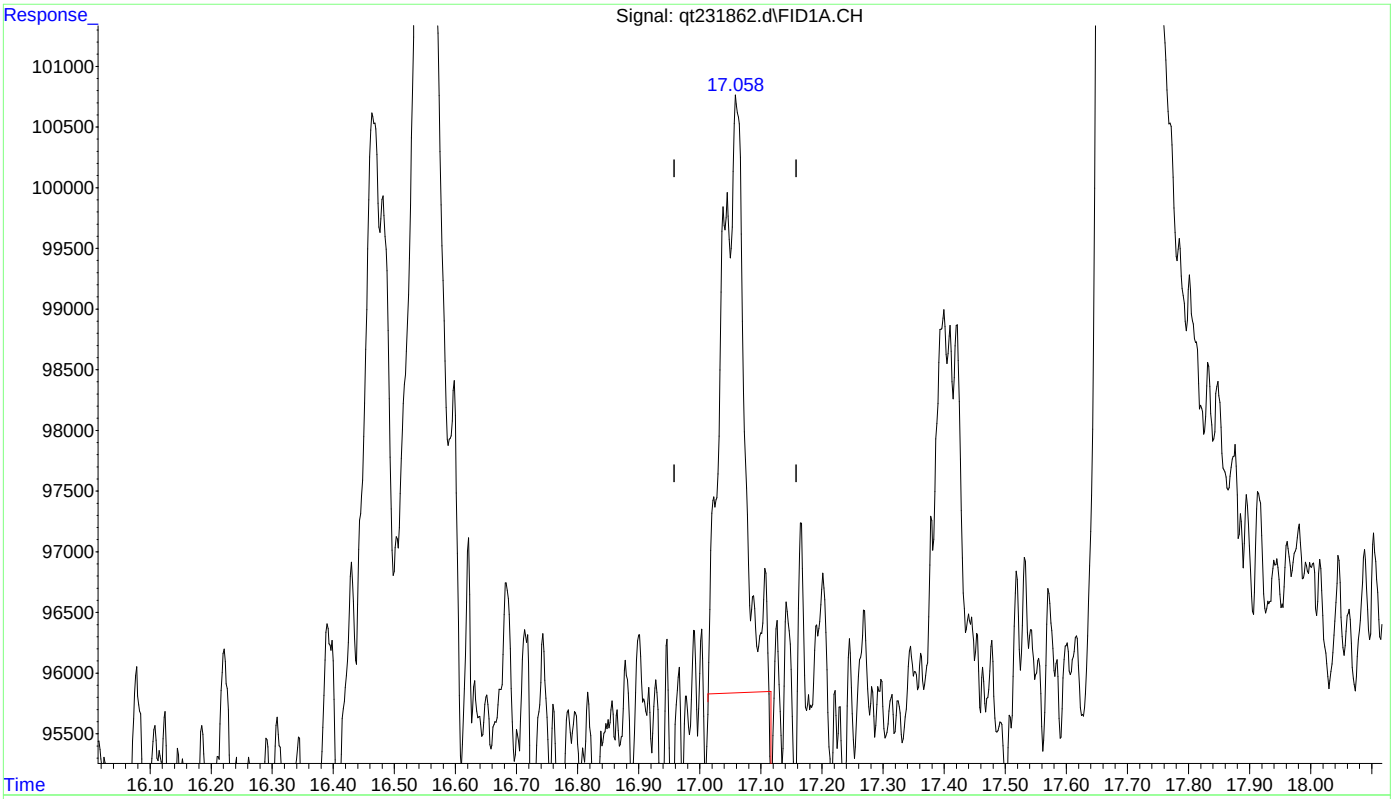
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:04:02 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(23) o-XYLENE #2

17.058min 0.090 PPMV m

response 130275

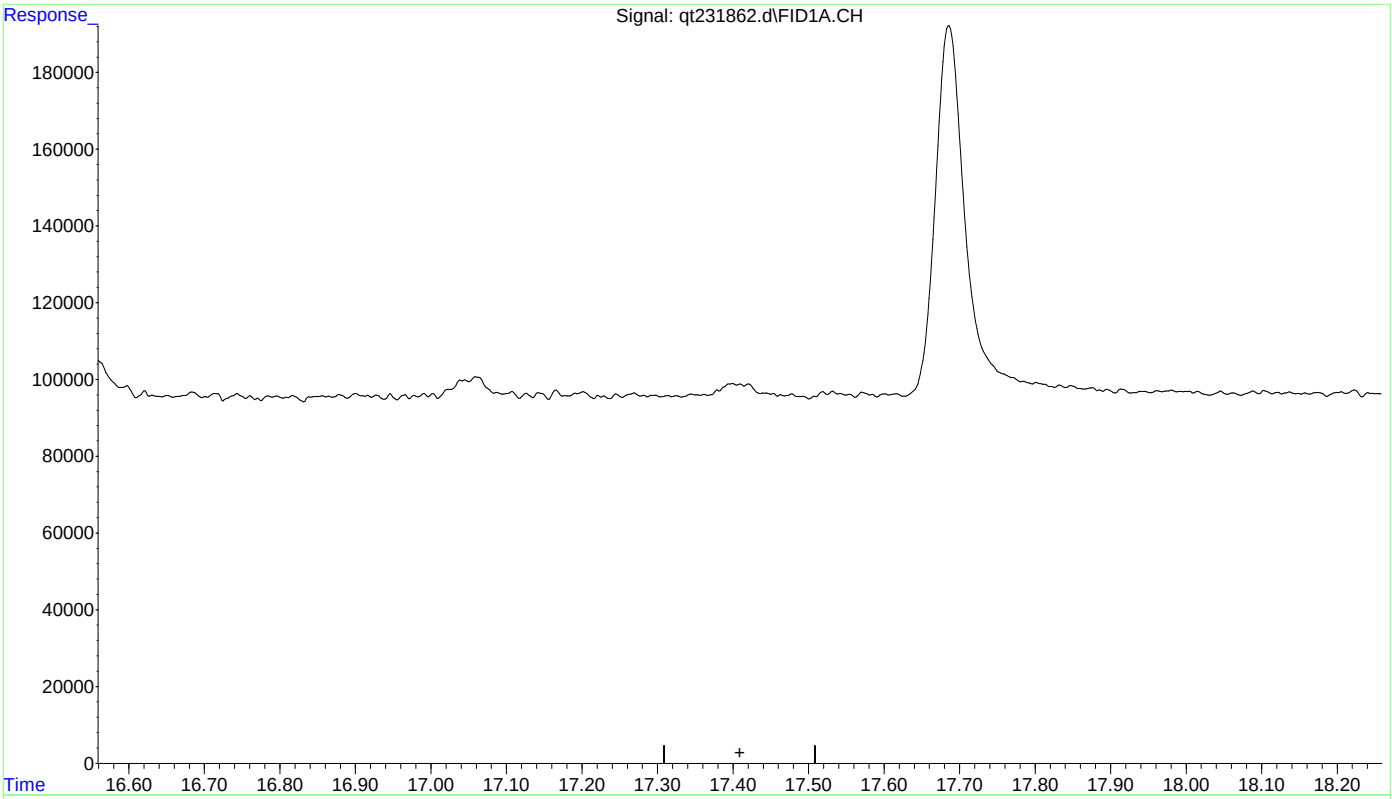
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:04:16 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(24) Isopropylbenzene #2 ( )

17.409min 0.000 PPMV

response 0

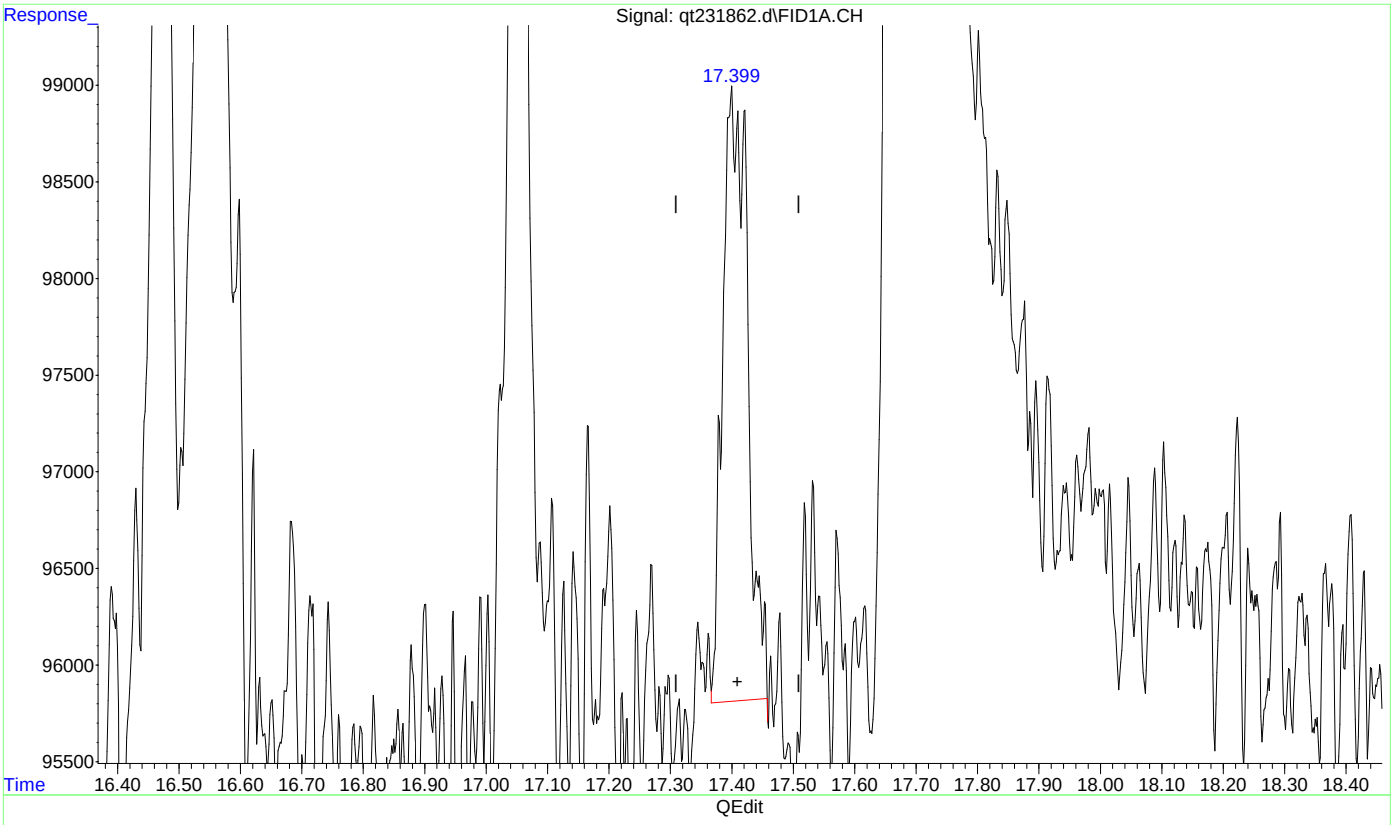
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:04:25 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231862.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 11:59:45
Operator : williamc
Sample : ic3114-0.1
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 10:47:14 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(24) Isopropylbenzene #2 ( )

17.399min 0.057 PPMV m

response 89664

(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:04:37 2025

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/28/25 14:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:11:29 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
9) s	4-Bromofluorobenzene	17.685	2601951	10.213	PPMV	
Spiked Amount	10.000	Range 59 - 135	Recovery =	102.13%		
26) s	4-Bromofluorobenzene #2	17.687	2382600	9.043	PPMV	
Spiked Amount	10.000	Range 59 - 135	Recovery =	90.43%		
	Target Compounds					
1)	METHYL TERTIARY BUTYL...	8.583	211194	0.504	PPMV	m
2)	BENZENE	11.216	352028	0.494	PPMV	
3)	TOLUENE	14.283	399193	0.551	PPMV	m
4)	ETHYLBENZENE	16.471	313504	0.498	PPMV	
5)	m,p-XYLENE	16.553	785716	0.937	PPMV	
6)	o-XYLENE	17.052	313544	0.517	PPMV	m
7)	ISOPROPYLBENZENE	17.402	151843	0.246	PPMV	m
11)	METHANE #2	3.788	1434027	5.700	PPMV	m
12)	ETHANE #2	3.882	333868	0.540	PPMV	m
13)	PROPANE #2	4.256	389484	0.488	PPMV	m
14)	n-BUTANE #2	5.193	557809	0.521	PPMV	m
15)	PENTANE #2	6.869	599884	0.470	PPMV	
16)	TERTIARY BUTYL ALCOHO...	7.884	443089	0.518	PPMV	
17)	METHYL TERTIARY BUTYL...	8.573	506224	0.514	PPMV	m
18)	HEXANE #2	8.824	796655	0.548	PPMV	
19)	BENZENE #2	11.209	696922	0.490	PPMV	m
20)	TOLUENE #2	14.293	755548	0.520	PPMV	m
21)	ETHYLBENZENE #2	16.474	638498	0.444	PPMV	
22)	m,p-XYLENE #2	16.553	1365458	0.826	PPMV	
23)	o-XYLENE #2	17.051	717671	0.497	PPMV	m
24)	Isopropylbenzene #2	17.405	362868	0.230	PPMV	
27) H	TPH AS EQUIV PENTANE #2	8.900	641573	0.494	PPMV	
28) H	TPH AS EQUIV METHANE #2	8.900	1444685	5.783	PPMV	
29) H	TPH AS EQUIV HEXANE #2	8.900	749897	0.513	PPMV	
30) H	TPH Range A as Methan...	6.000	1472385	5.832	ppmv	
31) H	TPH Range A as Methan...	6.000	1471680	5.839	PPMV	
32) H	TPH Range B as Pentan...	12.500	660316	0.501	ppmv	
33) H	TPH Range A as Propan...	6.000	418862	0.531	ppmv	
34) H	TPH Range B as Hexane #2	12.500	744843	0.507	ppmv	

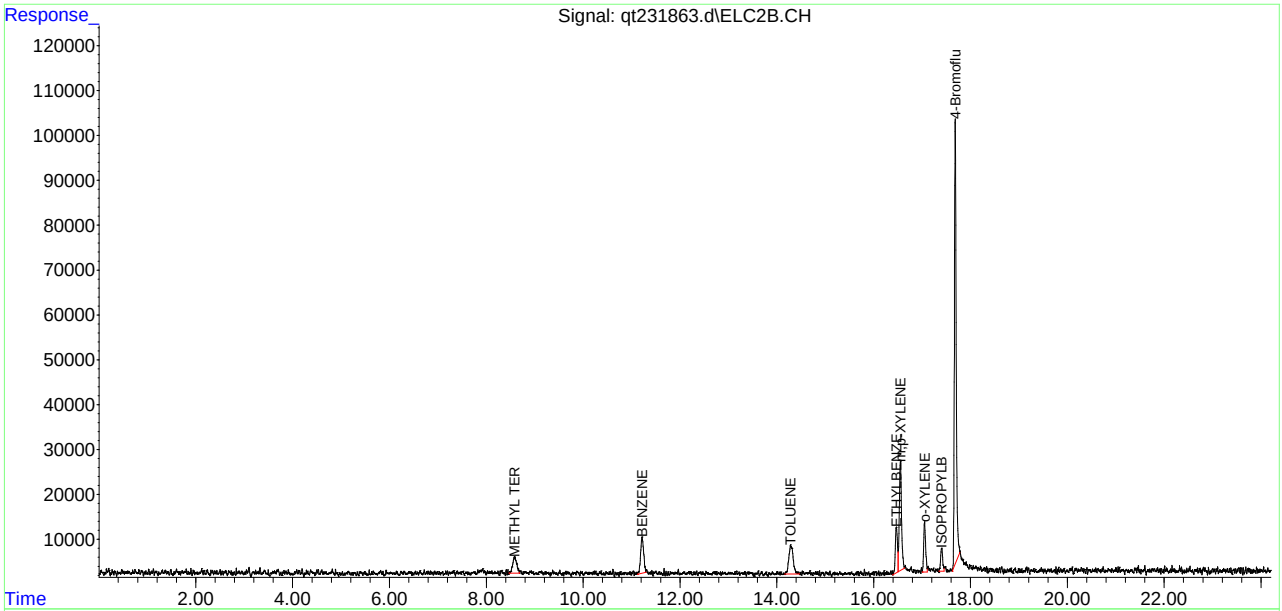
(f)=RT Delta > 1/2 Window (m)=manual int.

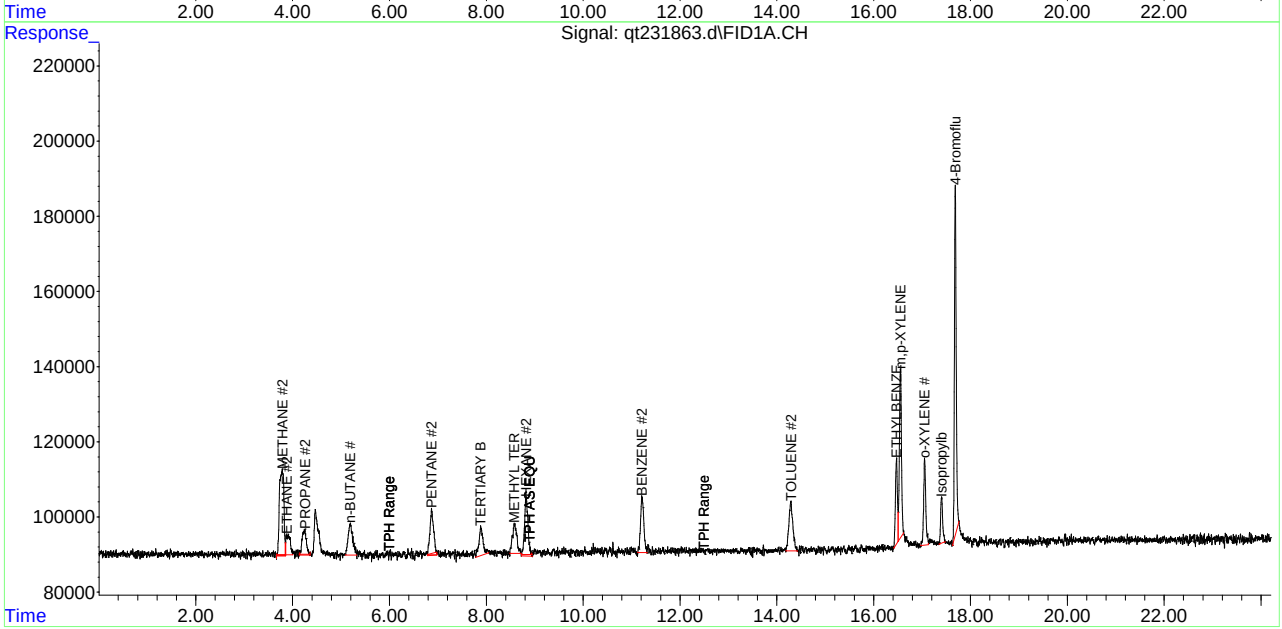
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:11:29 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number: GQT3114-IC3114 **Method:** EPA TO-3
Lab FileID: QT231863.D **Analyst approved:** 01/28/25 12:01 William Cruser
Injection Time: 01/24/25 12:44 **Supervisor approved:** 01/28/25 14:09 Kanya Veerawat

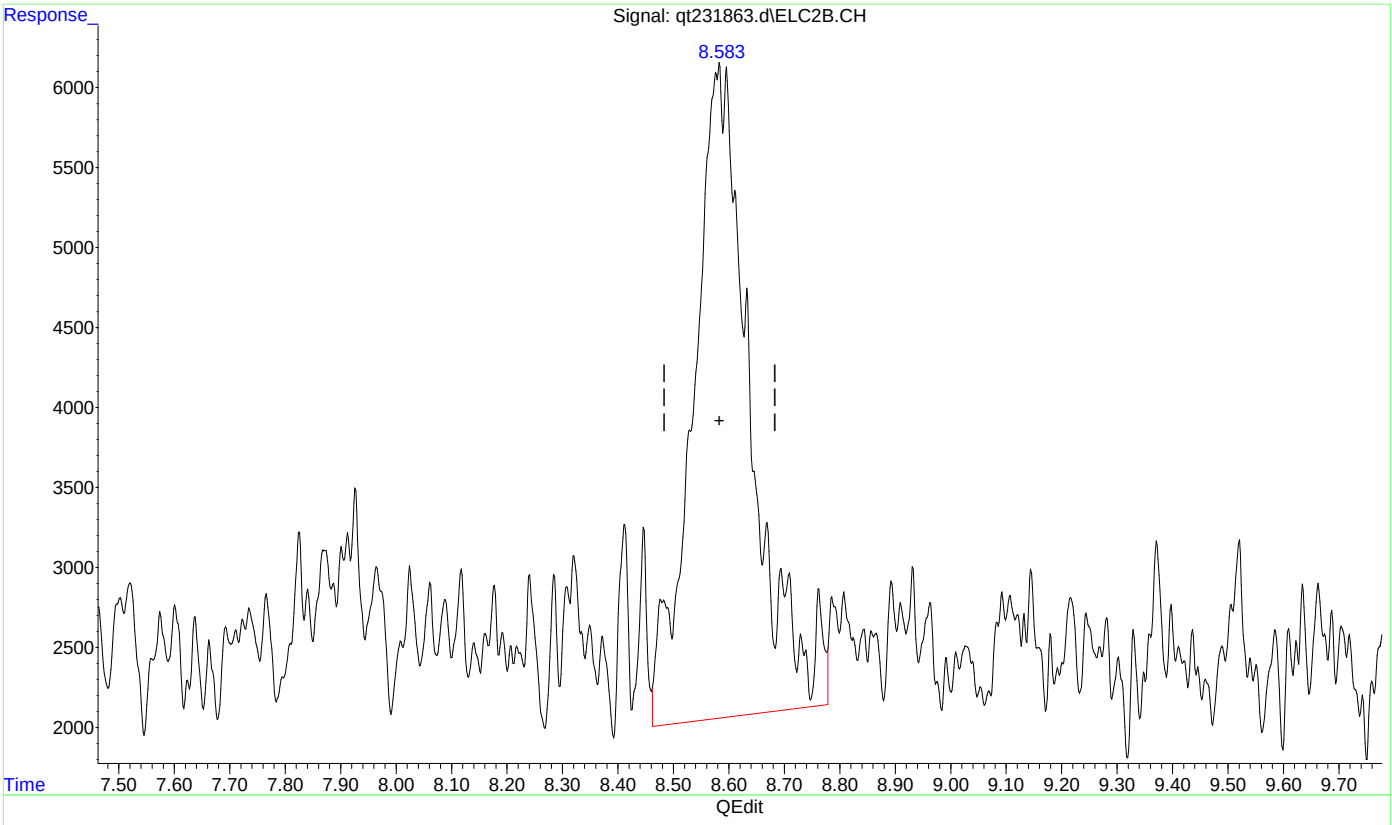
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	2	3.79	Poorly defined baseline
Ethane	74-84-0	2	3.88	Missed peak
Propane	74-98-6	2	4.26	Poorly defined baseline
n-Butane	106-97-8	2	5.19	Poorly defined baseline
Methyl Tert Butyl Ether	1634-04-4	2	8.57	Split peak
Methyl Tert Butyl Ether	1634-04-4	1	8.58	Poorly defined baseline
Benzene	71-43-2	2	11.21	Poorly defined baseline
Toluene	108-88-3	1	14.28	Split peak
Toluene	108-88-3	2	14.29	Poorly defined baseline
o-Xylene	95-47-6	1	17.05	Missed peak
o-Xylene	95-47-6	2	17.05	Poorly defined baseline
Isopropylbenzene	98-82-8	1	17.40	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(1) METHYL TERTIARY BUTYL ETHER

8.580min 0.703 PPMV

response 294605

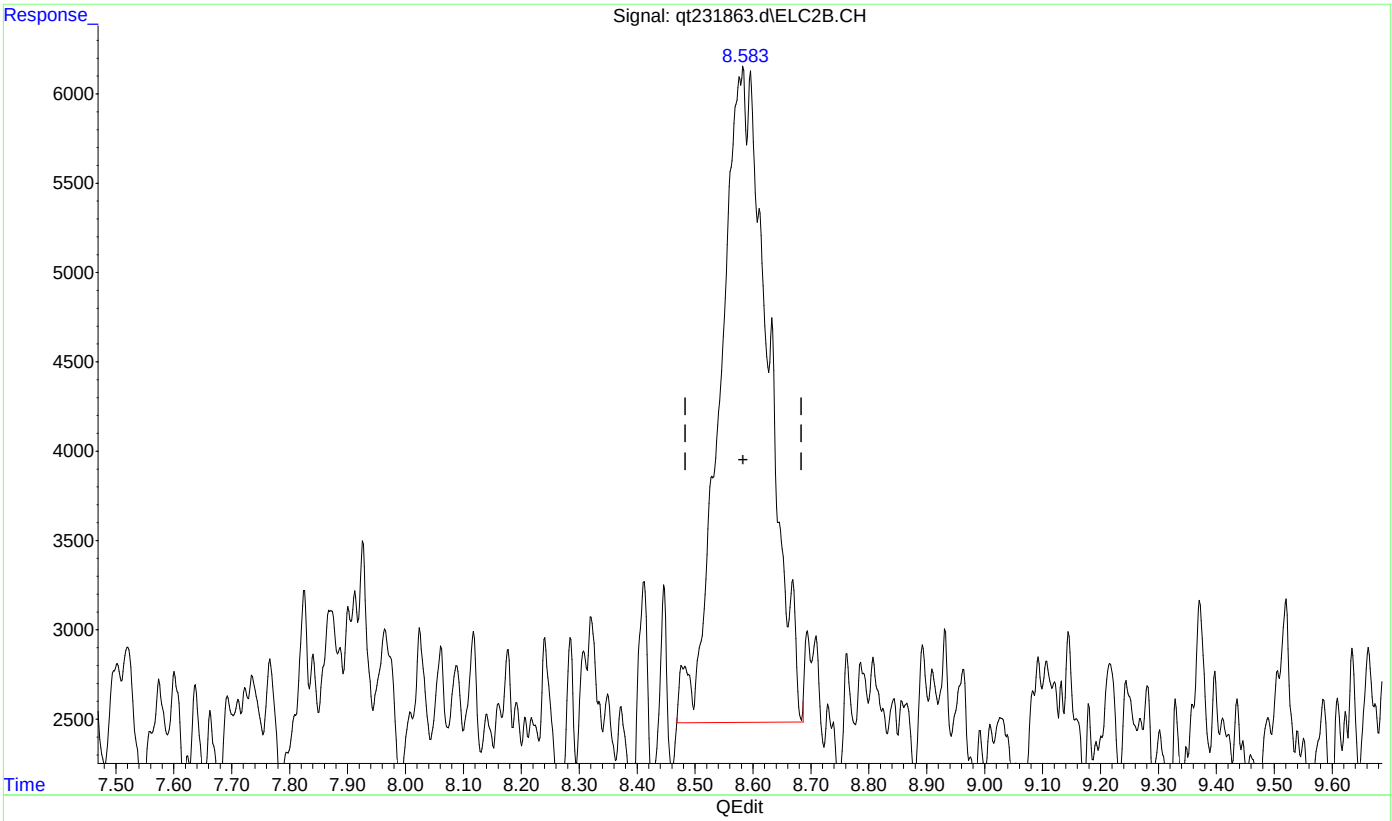
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:05:21 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(1) METHYL TERTIARY BUTYL ETHER

8.583min 0.504 PPMV m

response 211194

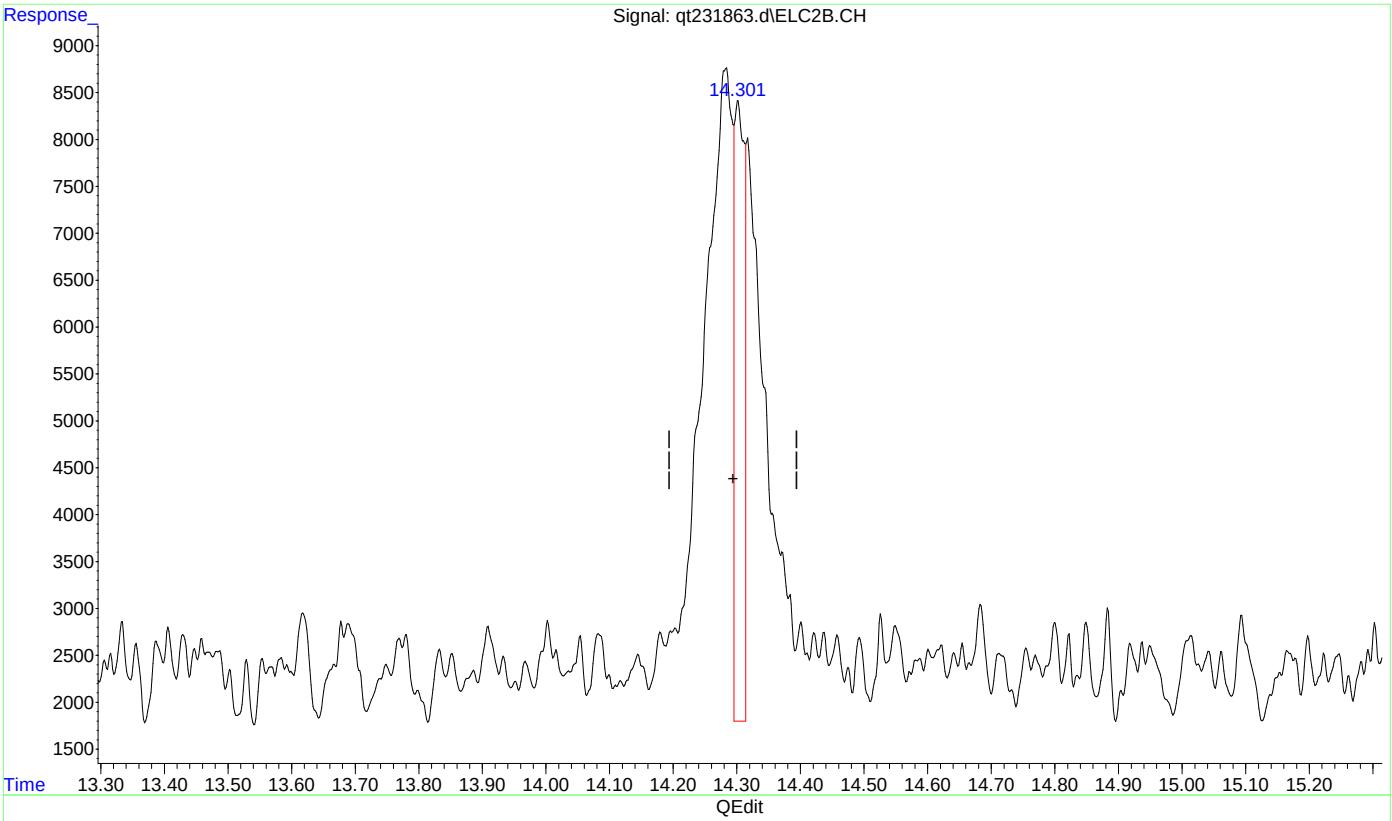
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:05:32 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(3) TOLUENE

14.302min 0.097 PPMV

response 70266

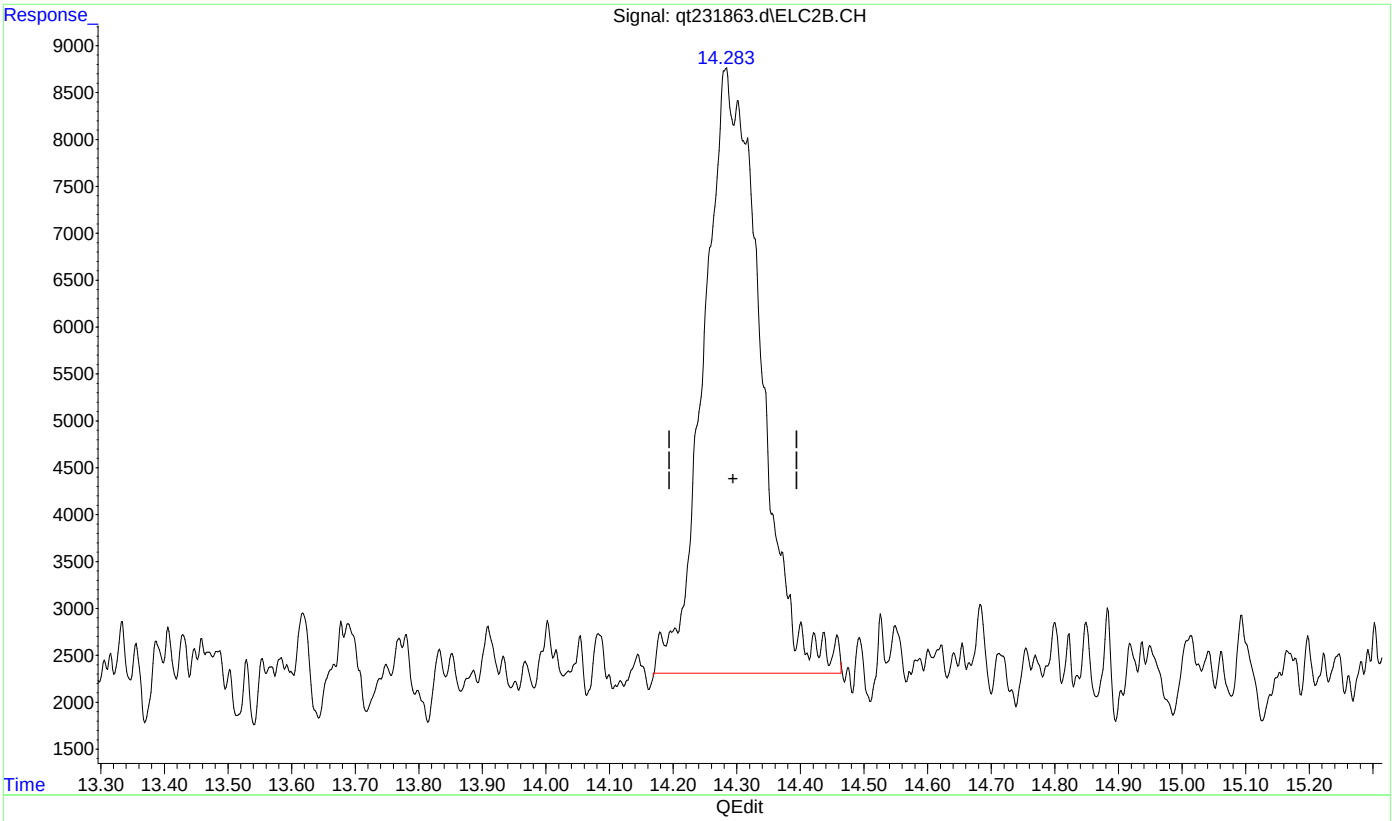
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:05:40 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(3) TOLUENE

14.283min 0.551 PPMV m

response 399193

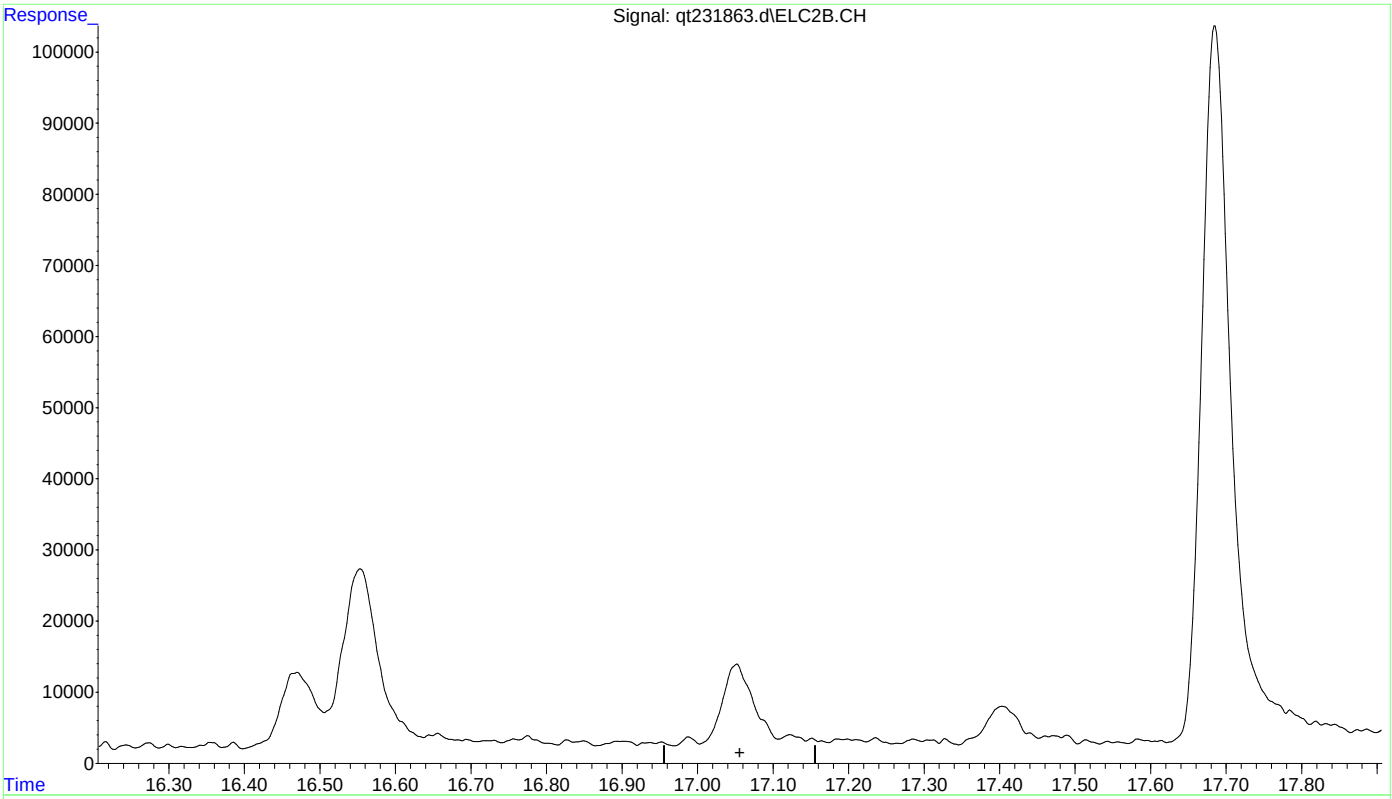
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:05:52 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(6) o-XYLENE

17.056min 0.000 PPMV

response 0

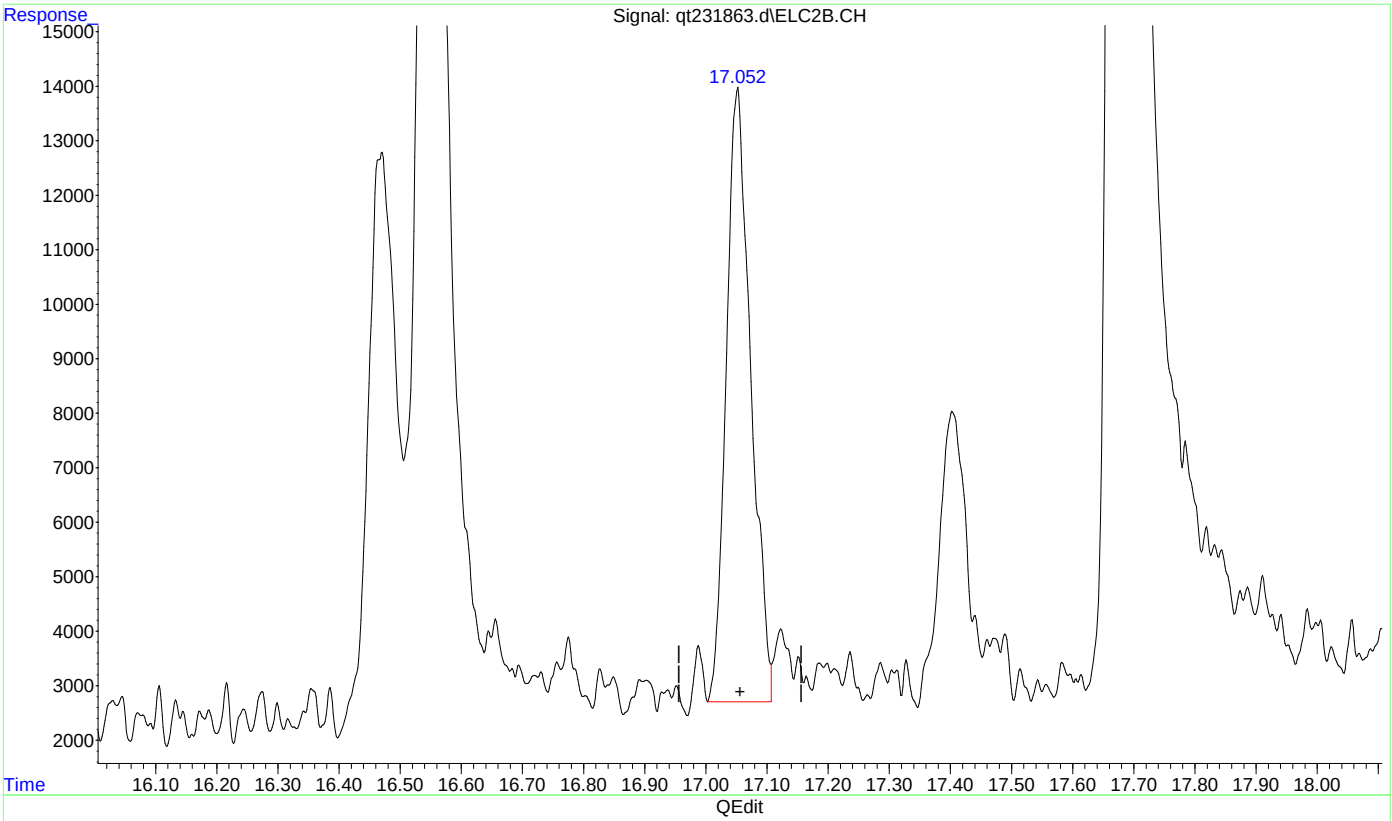
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:05:59 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(6) o-XYLENE

17.052min 0.517 PPMV m

response 313544

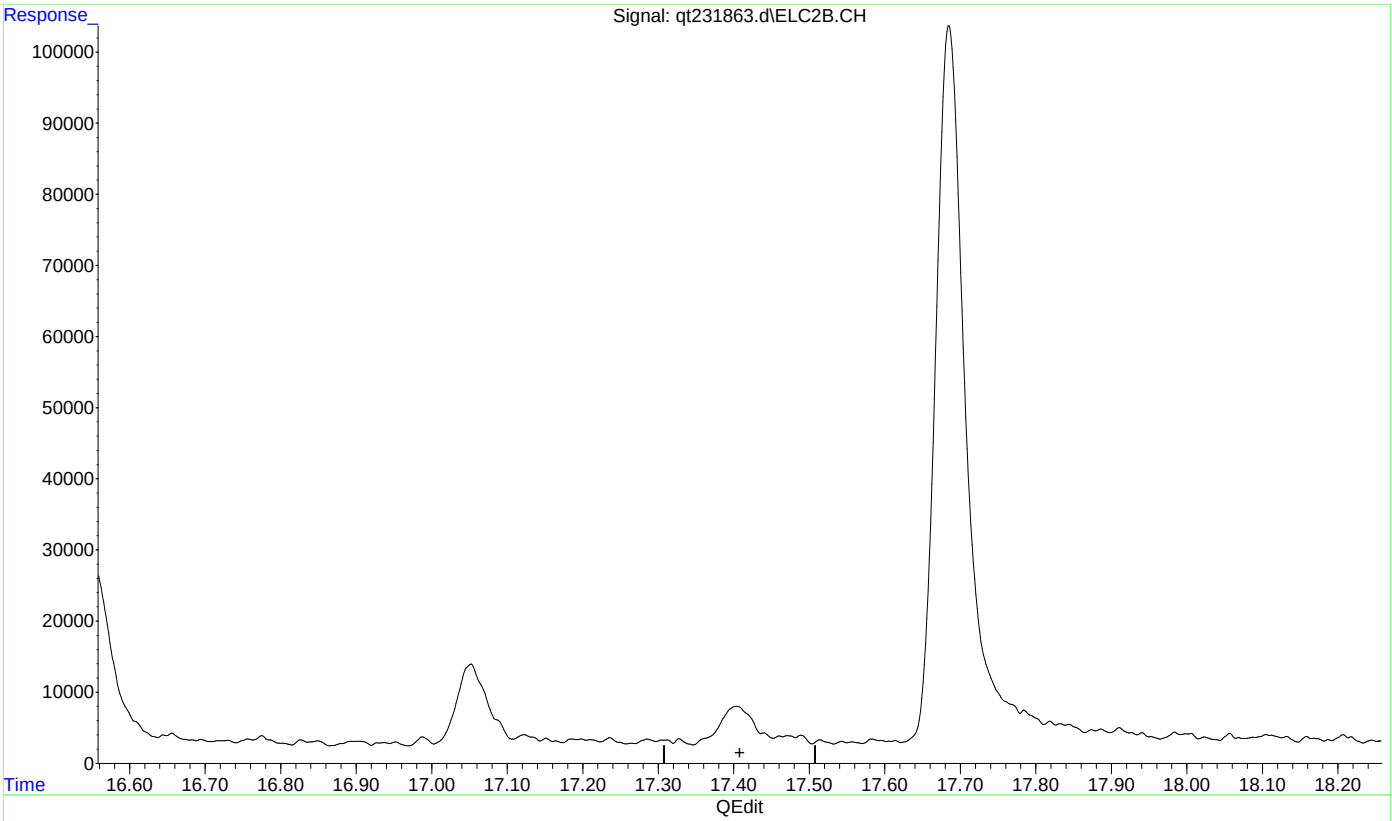
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:06:11 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(7) ISOPROPYLBENZENE ( )

17.408min 0.000 PPMV

response 0

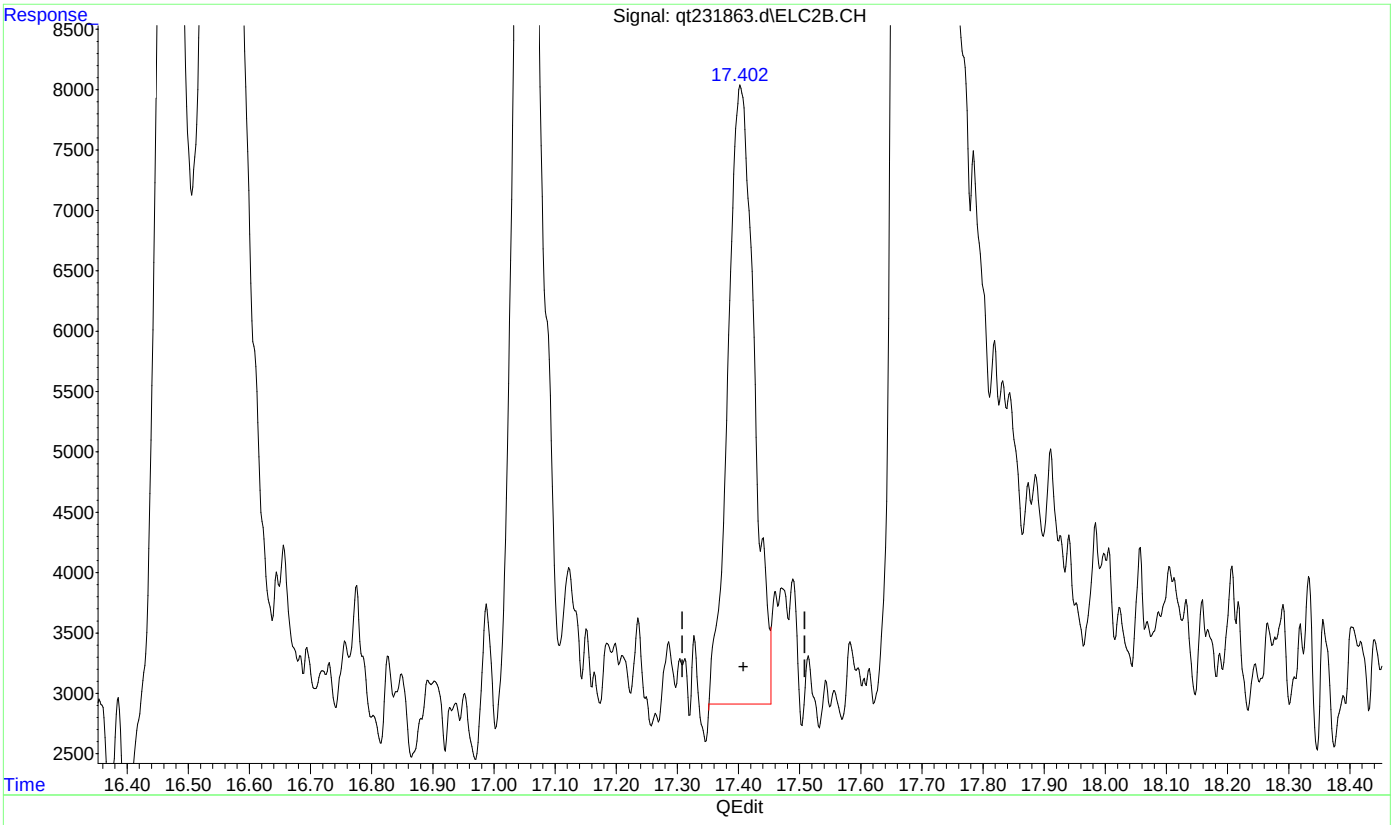
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:06:48 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(7) ISOPROPYLBENZENE ( )

17.402min 0.246 PPMV m

response 151843

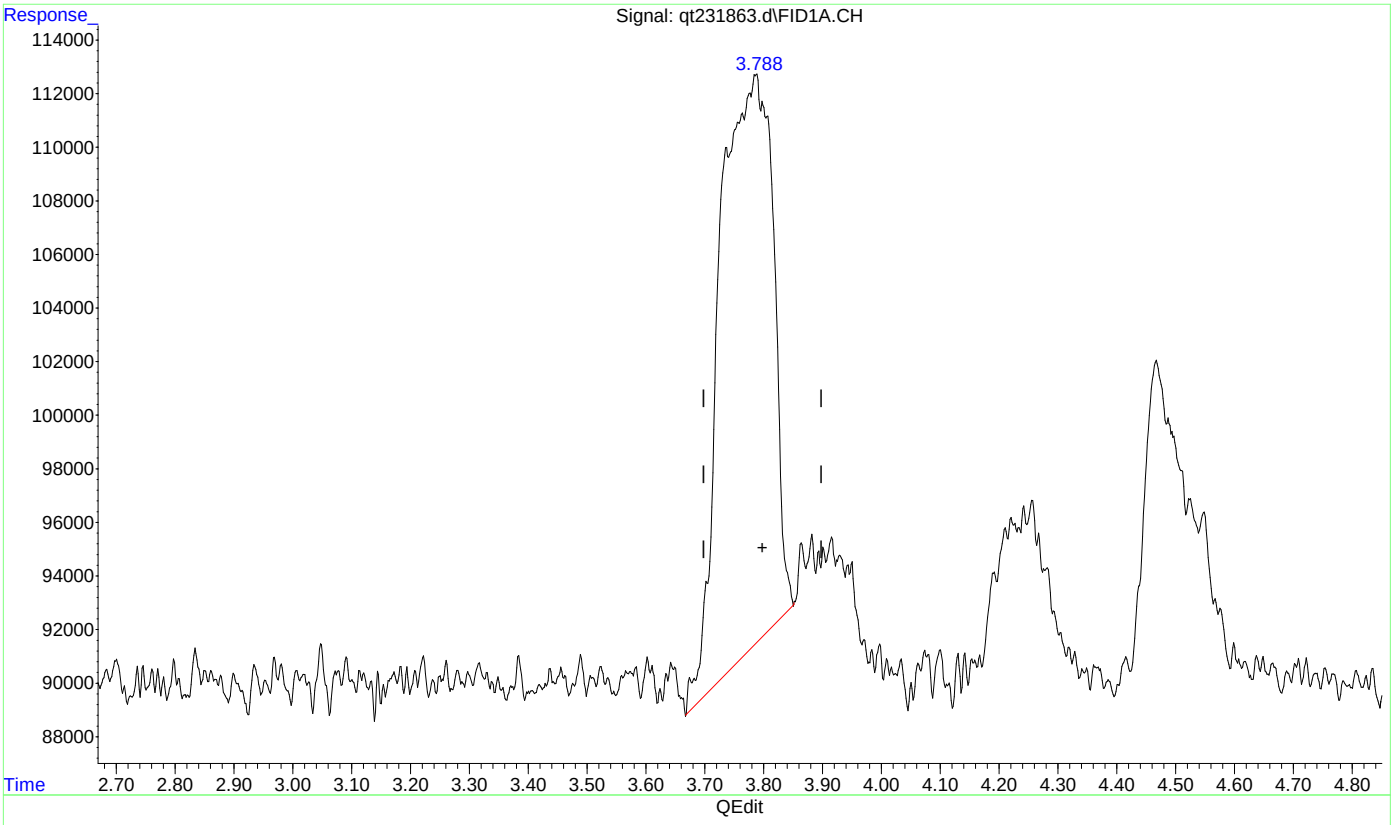
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:06:59 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(11) METHANE #2

3.787min 5.304 PPMV

response 1334510

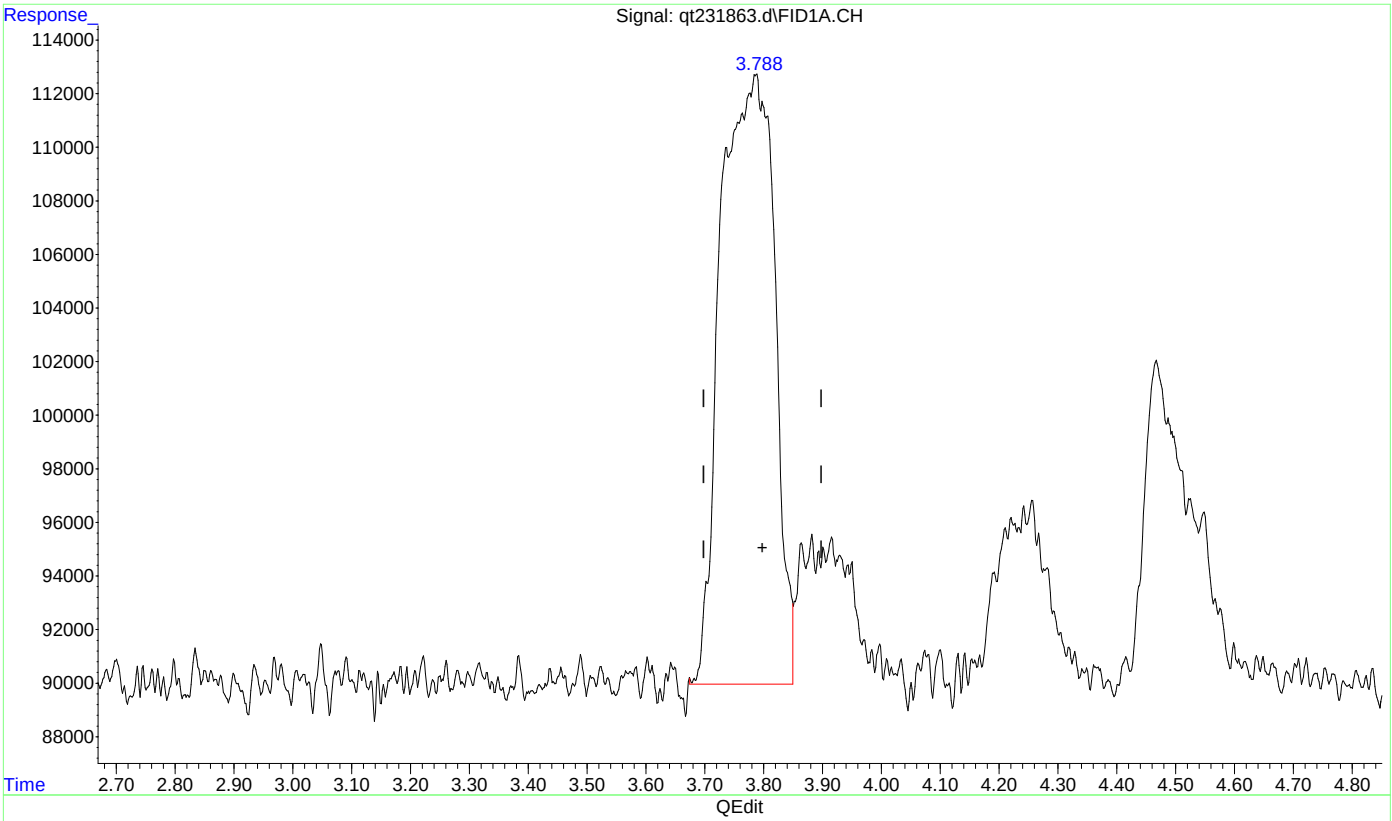
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:07:08 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(11) METHANE #2

3.788min 5.700 PPMV m

response 1434027

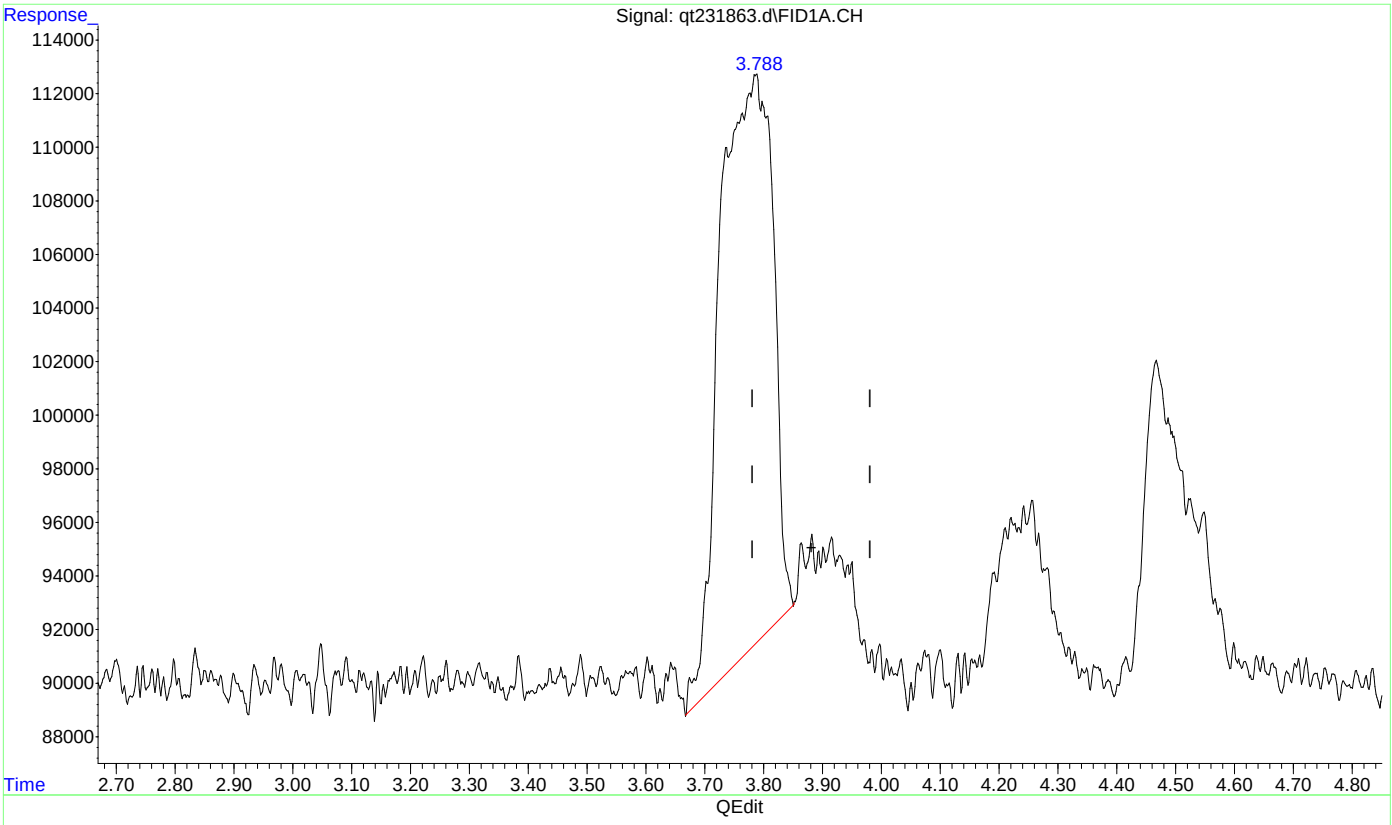
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:07:37 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(12) ETHANE #2

3.787min 2.160 PPMV

response 1334510

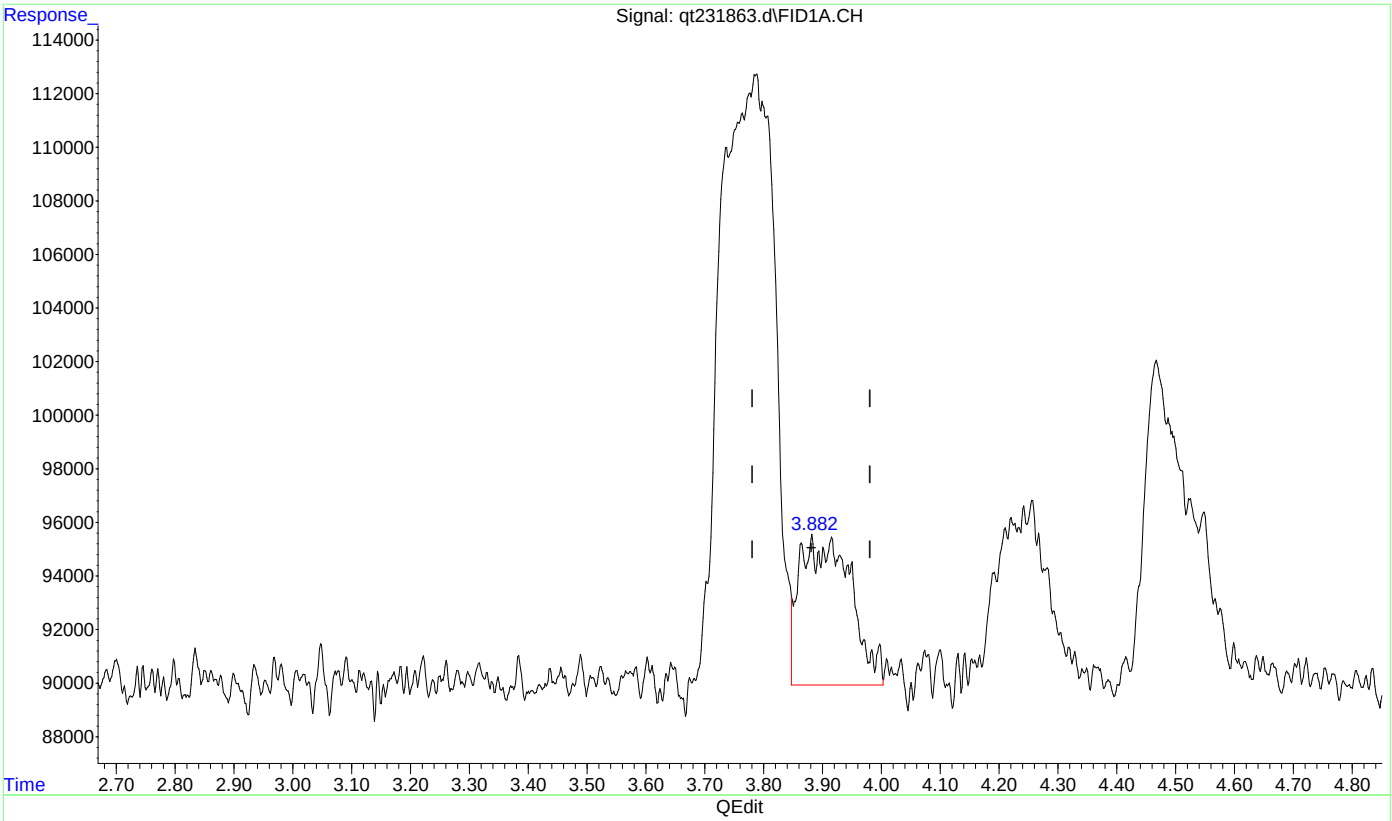
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:07:42 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(12) ETHANE #2

3.882min 0.540 PPMV m

response 333868

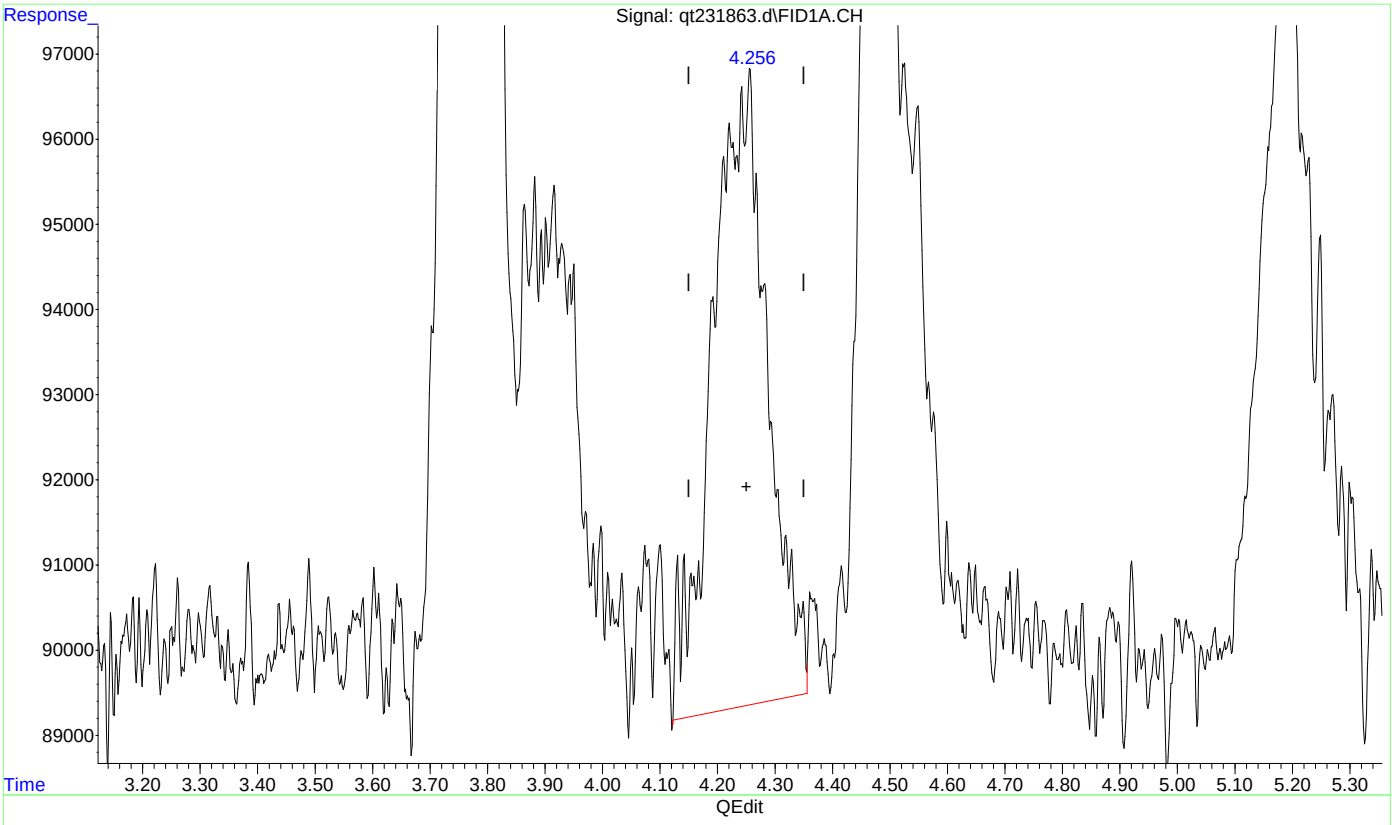
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:07:58 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(13) PROPANE #2

4.256min 0.623 PPMV

response 496495

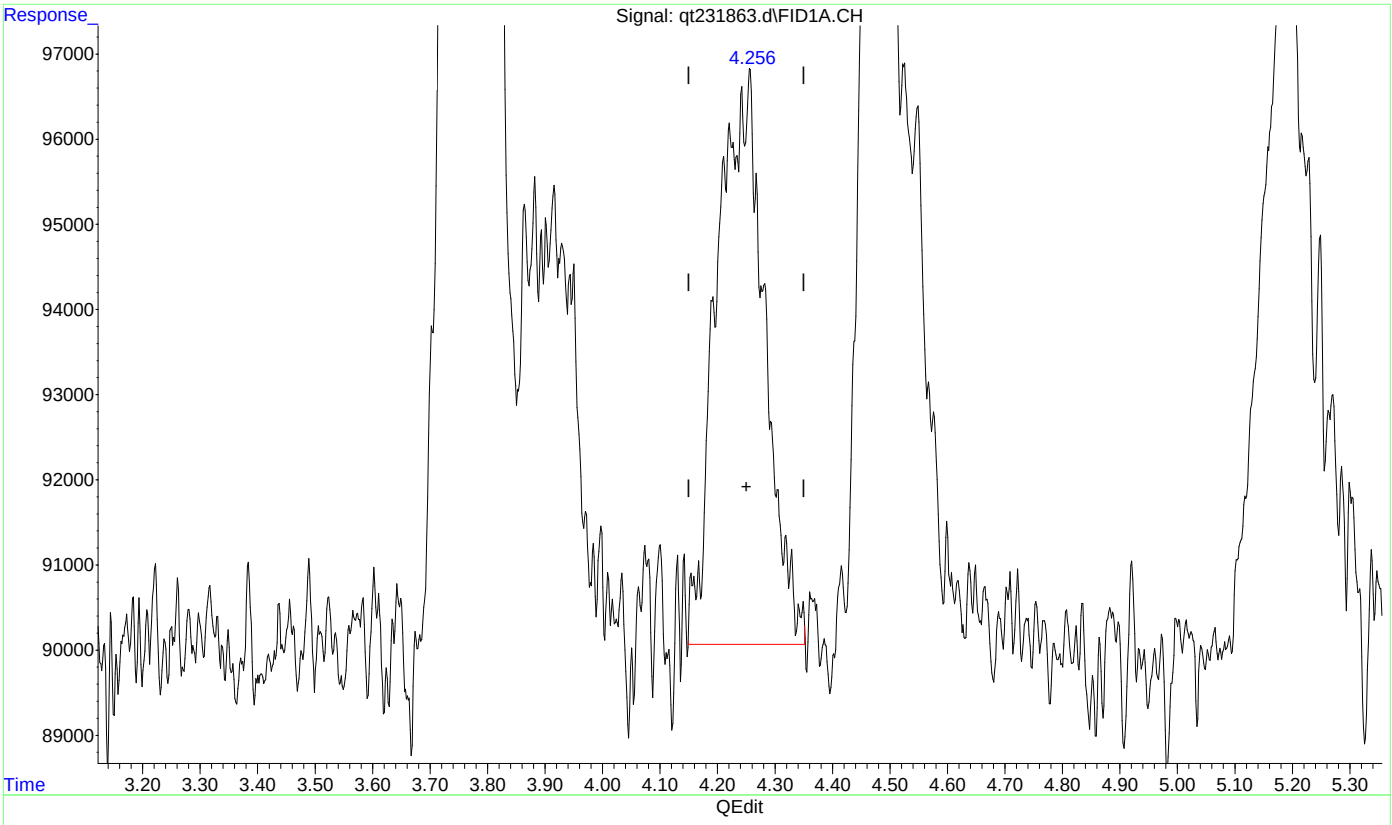
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:08:28 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(13) PROPANE #2

4.256min 0.488 PPMV m

response 389484

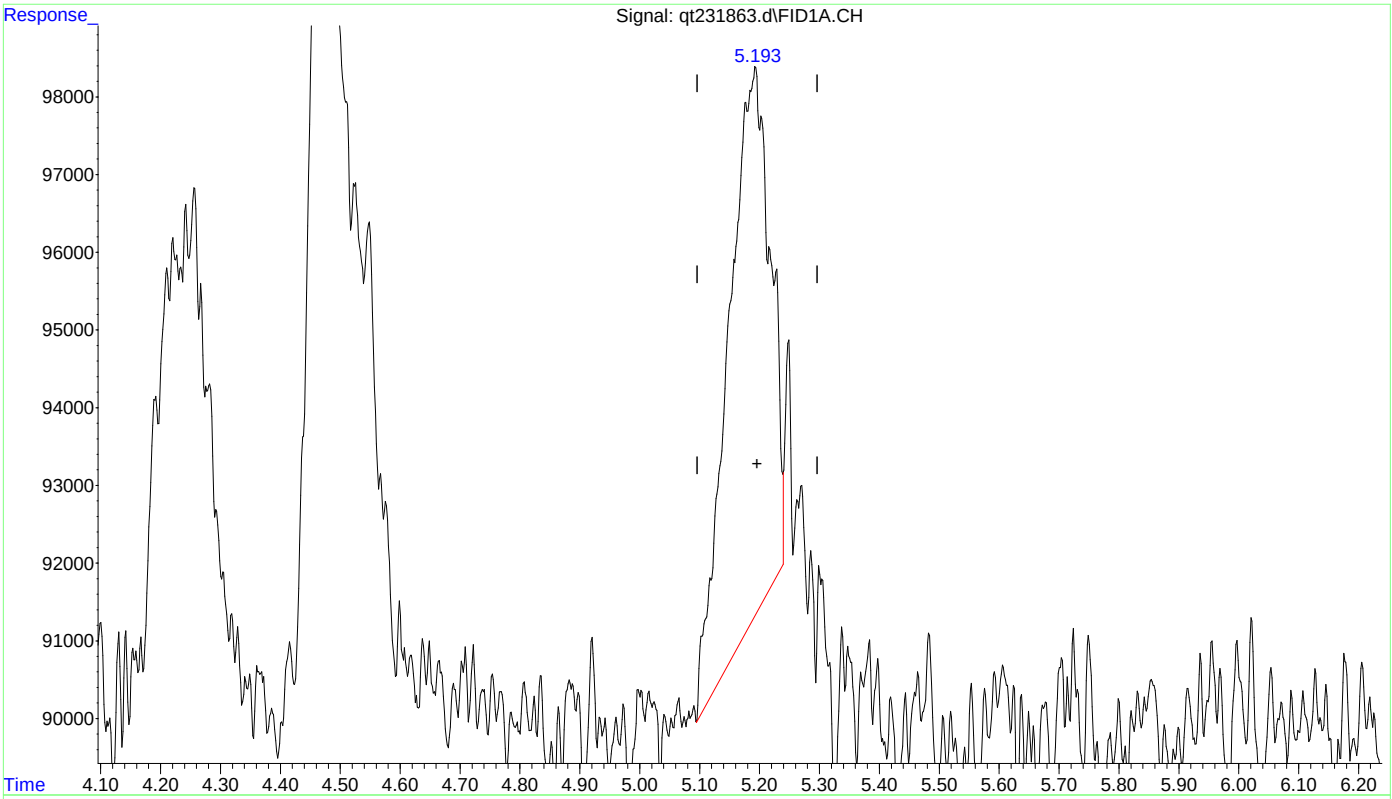
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:08:41 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(14) n-BUTANE #2

5.193min 0.325 PPMV

response 347582

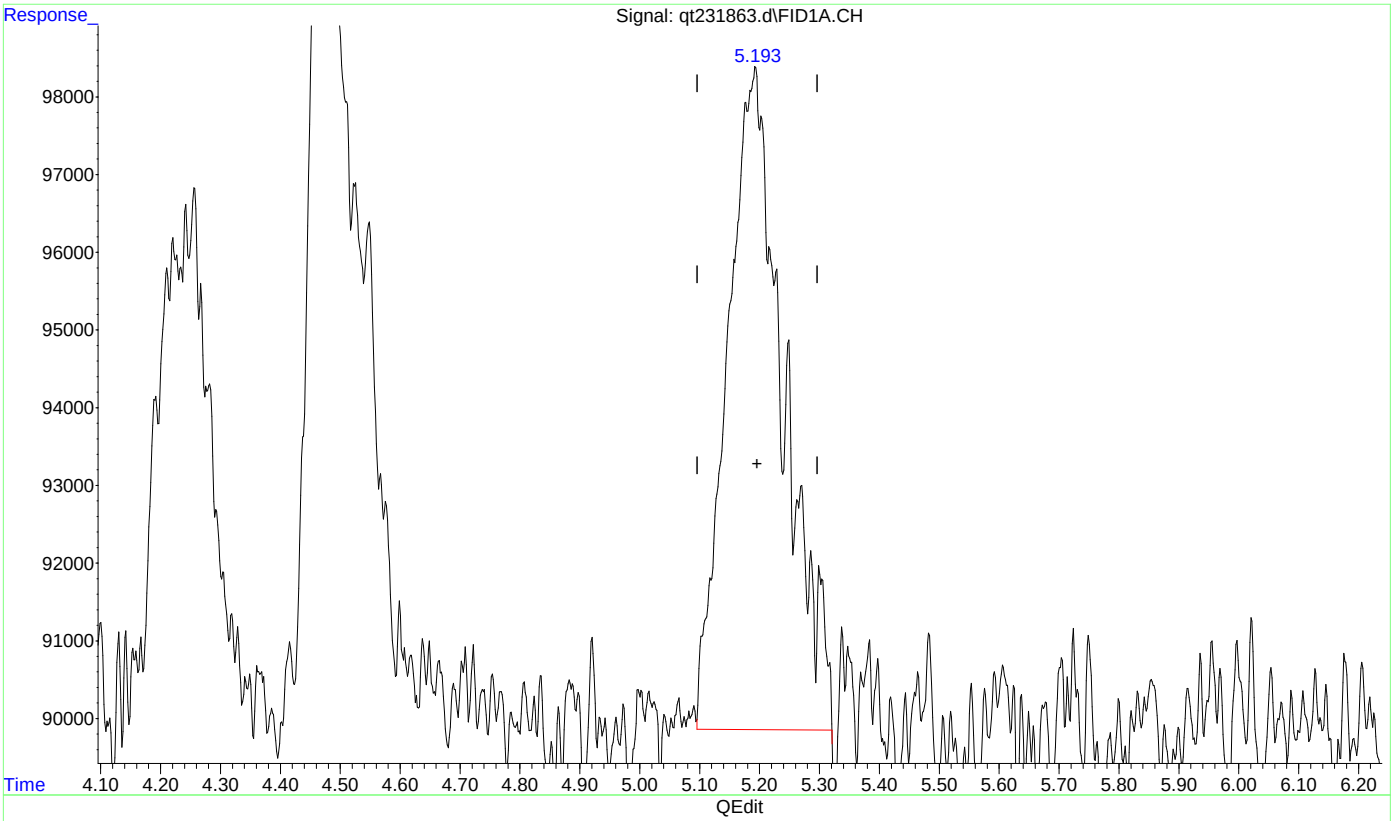
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:08:46 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(14) n-BUTANE #2

5.193min 0.521 PPMV m

response 557809

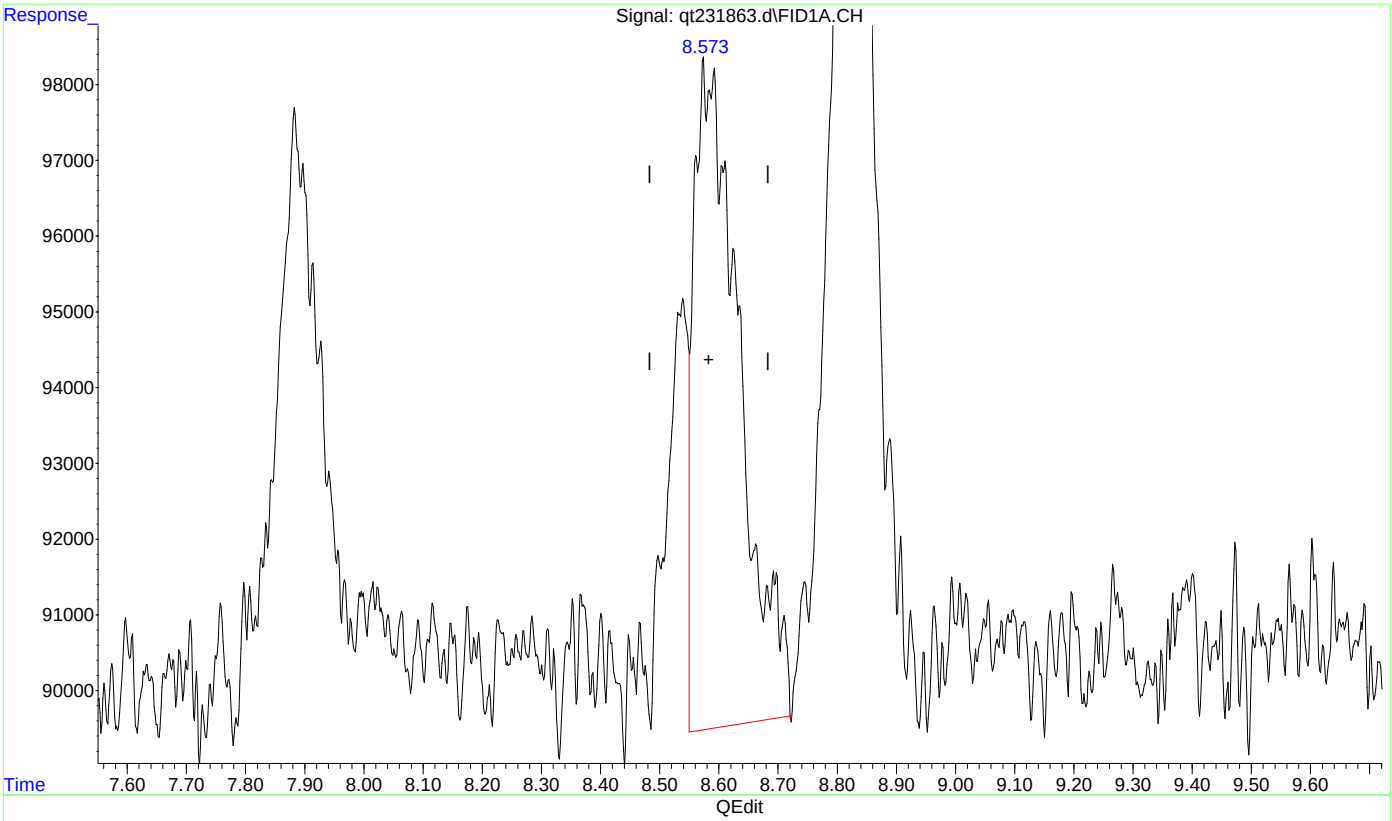
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:08:56 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(17) METHYL TERTIARY BUTYL ETHER #2

8.574min 0.480 PPMV

response 472932

(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:09:05 2025

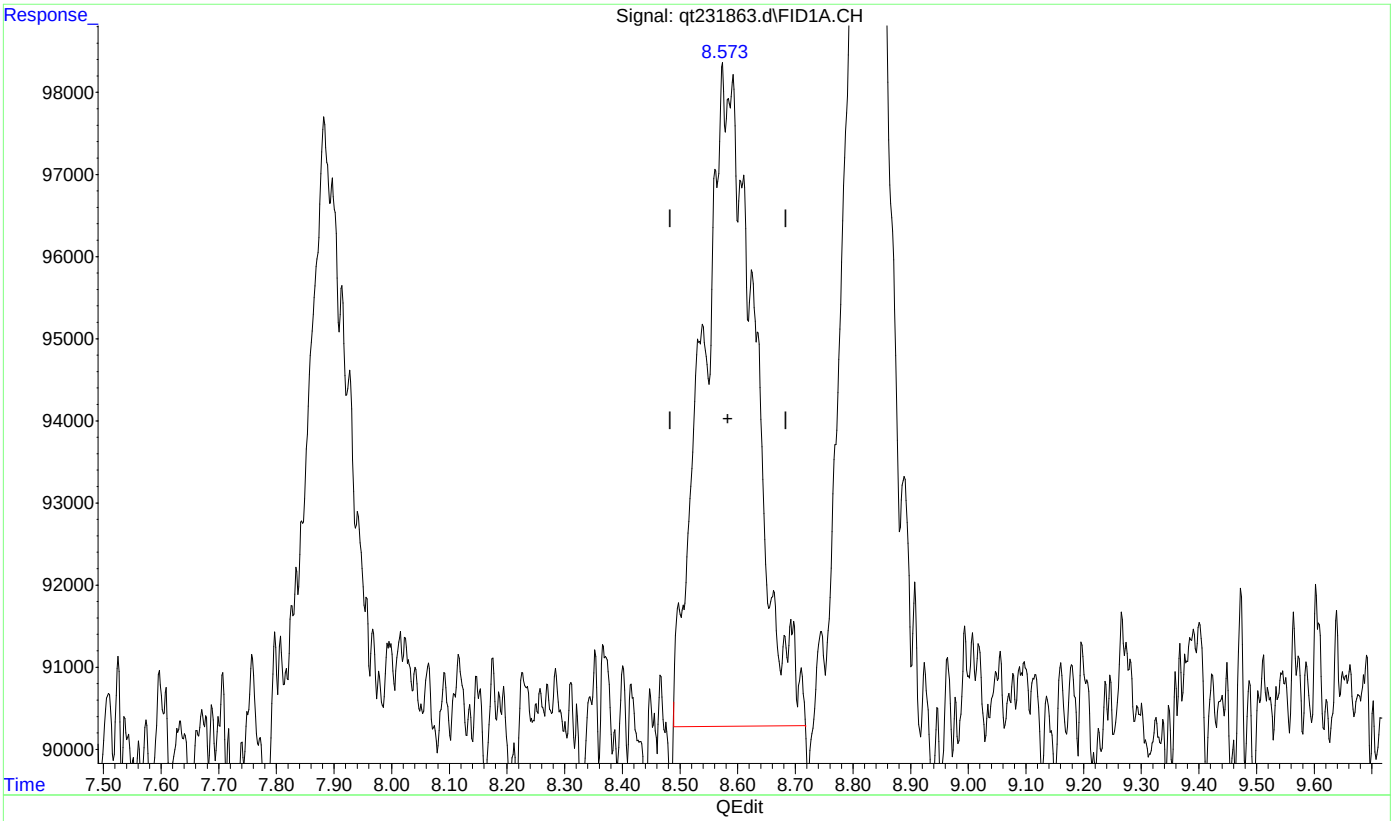
QT231863.D edits: METHYL TERTIARY BUTYL ETHER #2

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(17) METHYL TERTIARY BUTYL ETHER #2

8.573min 0.514 PPMV m

response 506224

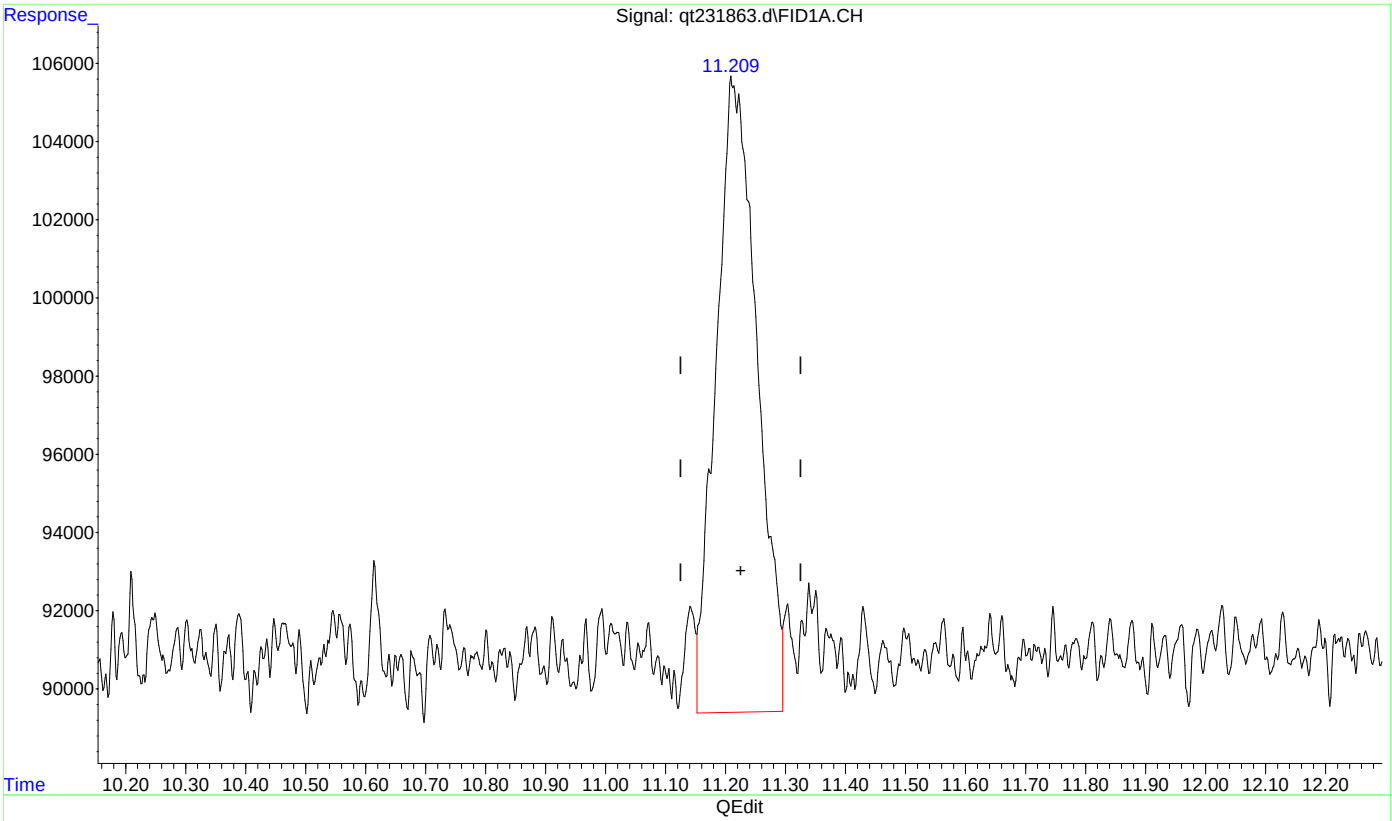
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:09:20 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(19) BENZENE #2

11.211min 0.541 PPMV

response 769844

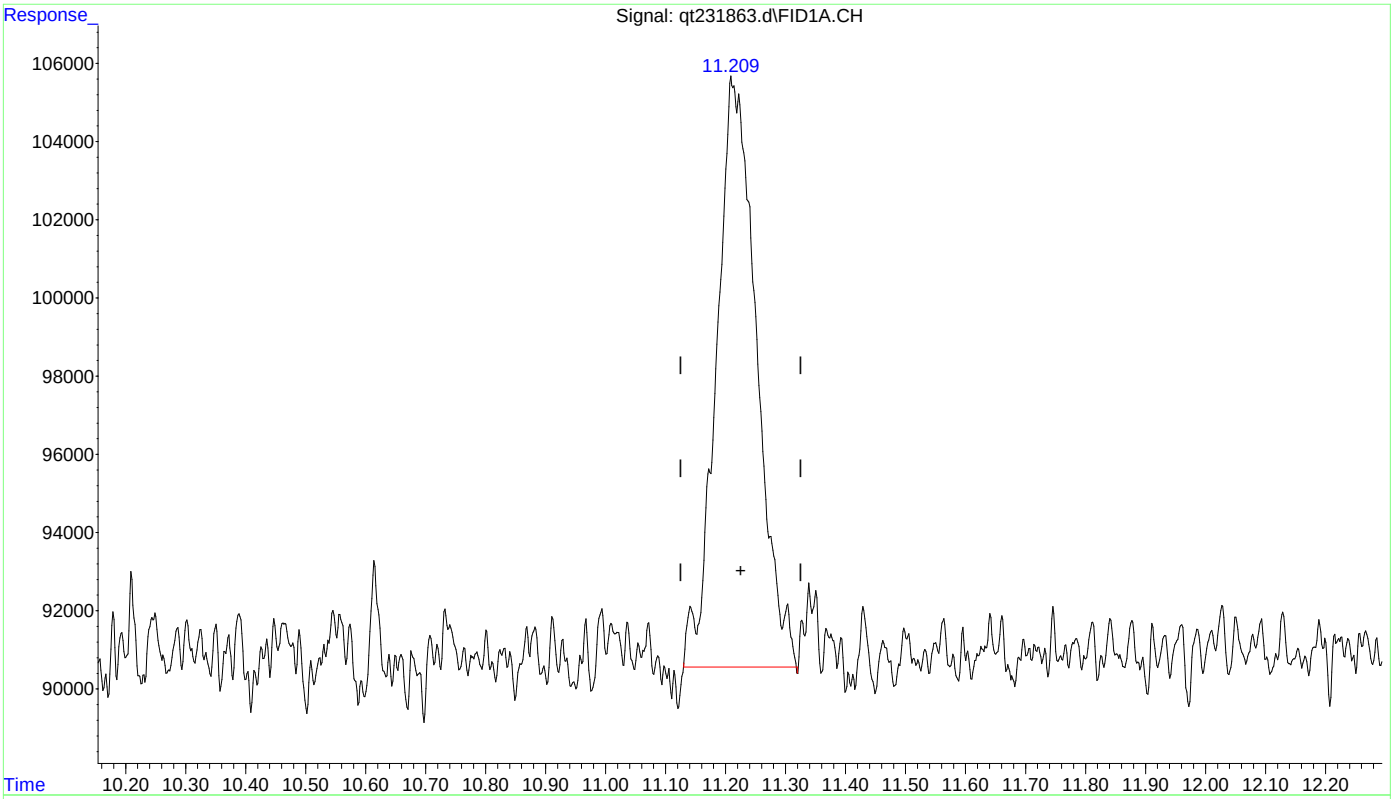
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:09:30 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(19) BENZENE #2

11.209min 0.490 PPMV m

response 696922

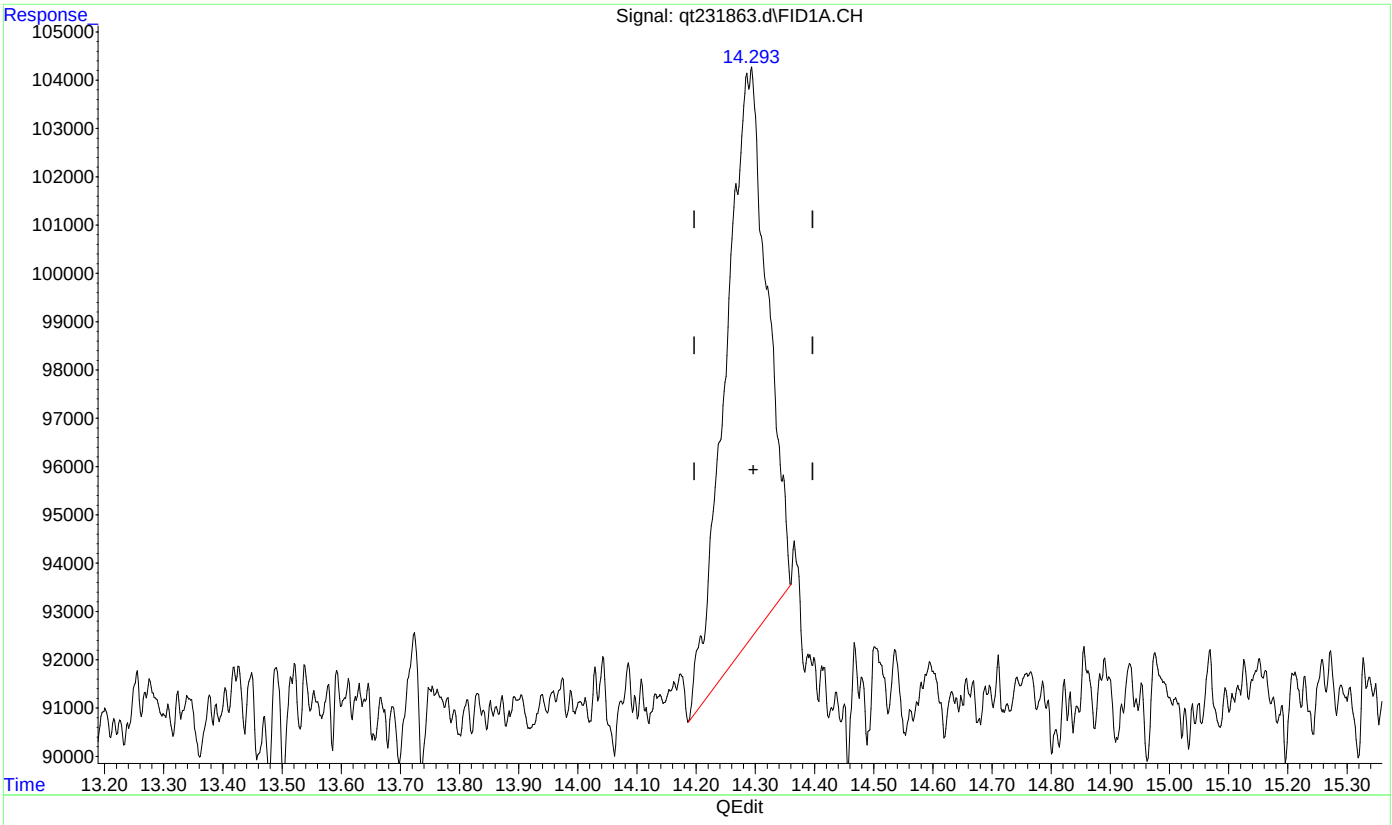
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:09:42 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(20) TOLUENE #2

14.294min 0.400 PPMV

response 580889

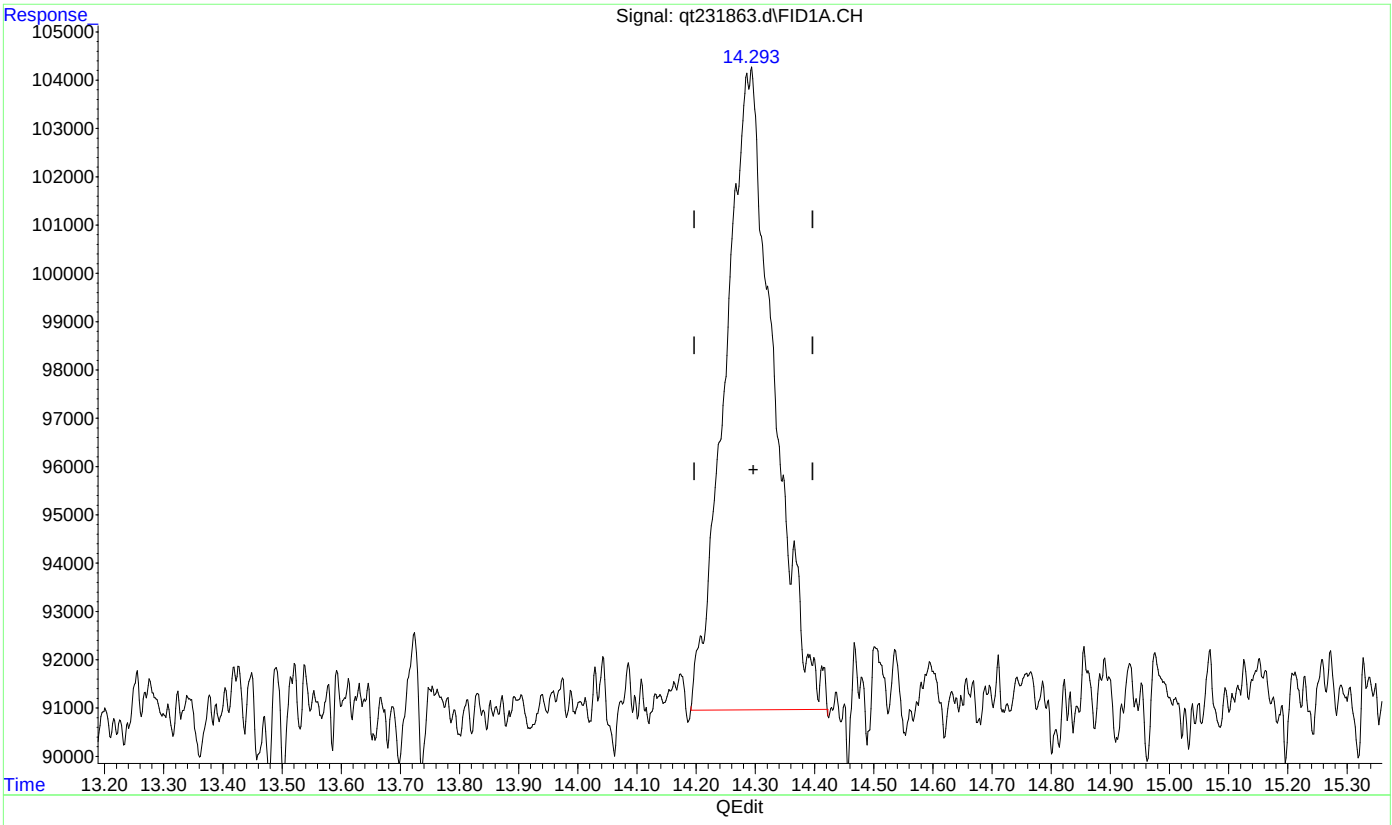
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:09:48 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(20) TOLUENE #2

14.293min 0.520 PPMV m

response 755548

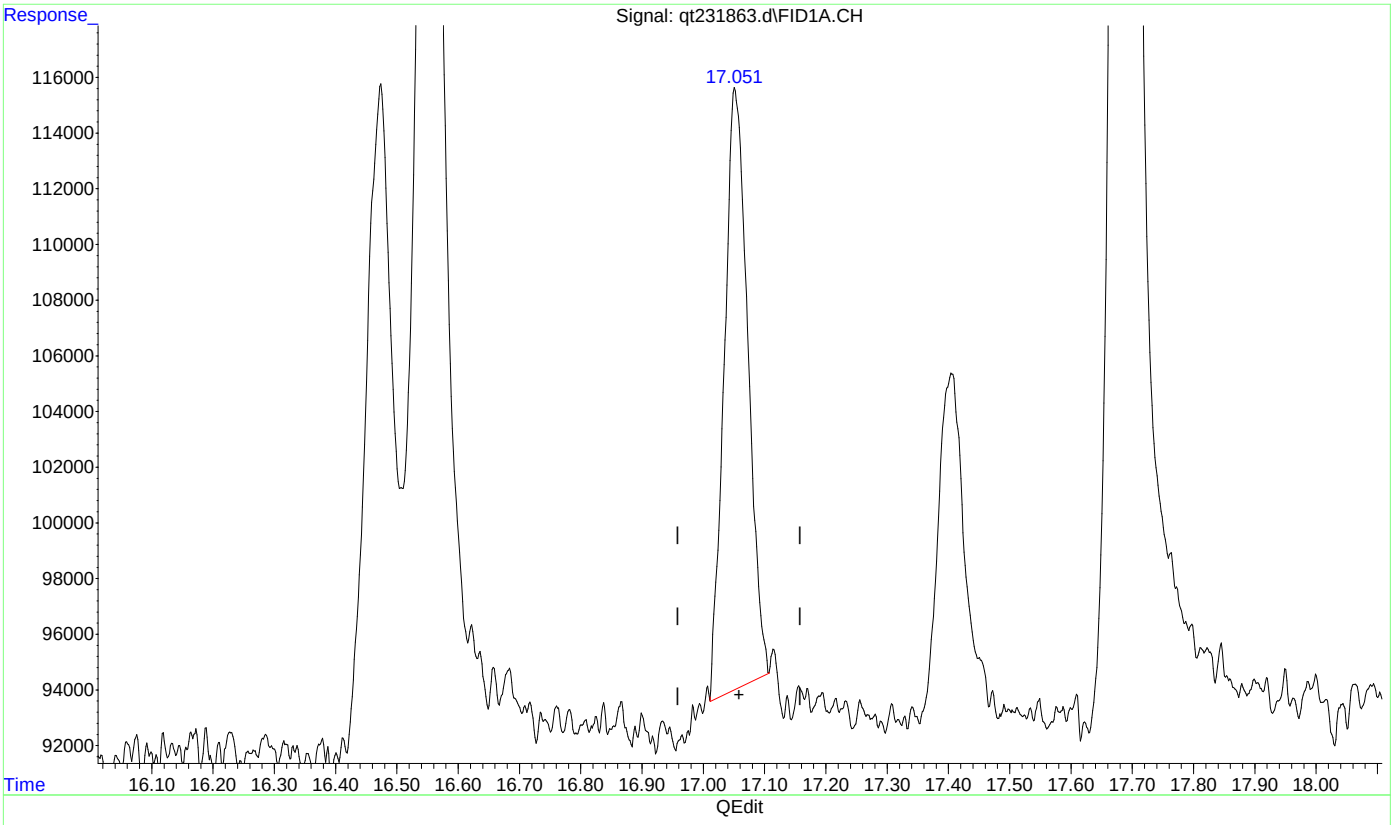
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:09:57 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(23) o-XYLENE #2

17.051min 0.401 PPMV

response 578681

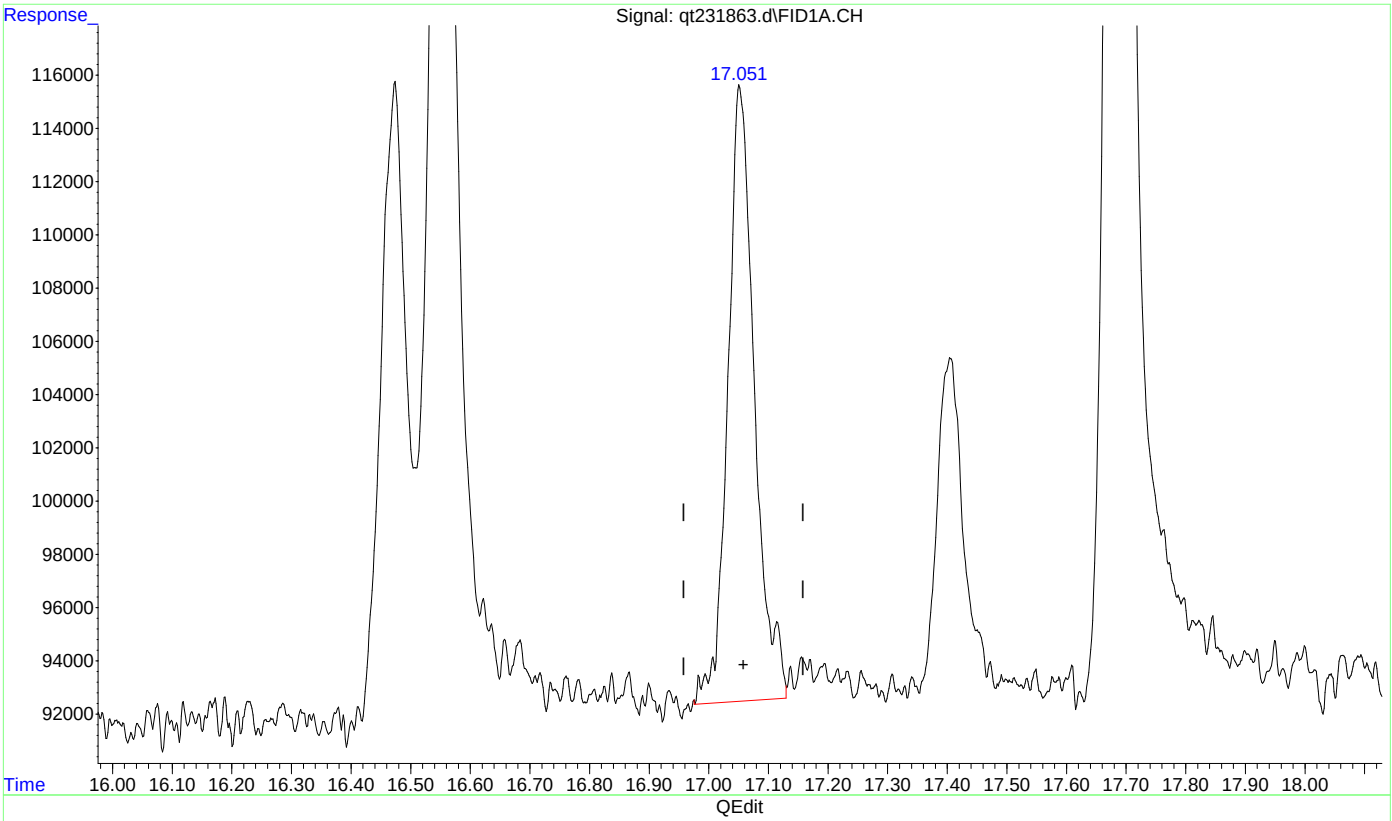
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:10:06 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231863.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 12:44:49
Operator : williamc
Sample : ic3114-0.5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:05:11 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(23) o-XYLENE #2

17.051min 0.497 PPMV m

response 717671

(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:10:17 2025

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/28/25 14:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231864.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 13:27:04
Operator : williamc
Sample : ic3114-1.0
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:17:26 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
9) s	4-Bromofluorobenzene	17.687	2696241	10.583	PPMV	
Spiked Amount	10.000	Range 59 - 135	Recovery =	105.83%		
26) s	4-Bromofluorobenzene #2	17.689	2511762	9.533	PPMV	
Spiked Amount	10.000	Range 59 - 135	Recovery =	95.33%		
	Target Compounds					
1)	METHYL TERTIARY BUTYL...	8.580	446856	1.067	PPMV	m
2)	BENZENE	11.213	779551	1.094	PPMV	
3)	TOLUENE	14.287	701094	0.968	PPMV	
4)	ETHYLBENZENE	16.473	612023	0.972	PPMV	
5)	m,p-XYLENE	16.553	1593941	1.902	PPMV	
6)	o-XYLENE	17.052	548943	0.905	PPMV	
7)	ISOPROPYLBENZENE	17.404	297440	0.481	PPMV	m
11)	METHANE #2	3.759	2662744	10.584	PPMV	m
12)	ETHANE #2	3.901	632739	1.024	PPMV	m
13)	PROPANE #2	4.247	857340	1.075	PPMV	
14)	n-BUTANE #2	5.193	1197712	1.120	PPMV	
15)	PENTANE #2	6.862	1298869	1.017	PPMV	m
16)	TERTIARY BUTYL ALCOHO...	7.875	929646	1.086	PPMV	
17)	METHYL TERTIARY BUTYL...	8.572	968324	0.983	PPMV	
18)	HEXANE #2	8.816	1367086	0.940	PPMV	
19)	BENZENE #2	11.214	1588790	1.117	PPMV	
20)	TOLUENE #2	14.287	1411823	0.972	PPMV	
21)	ETHYLBENZENE #2	16.472	1304639	0.907	PPMV	
22)	m,p-XYLENE #2	16.554	2847154	1.722	PPMV	
23)	o-XYLENE #2	17.053	1311413	0.908	PPMV	
24)	Isopropylbenzene #2	17.407	687980	0.435	PPMV	
27) H	TPH AS EQUIV PENTANE #2	8.900	1318048	1.015	PPMV	
28) H	TPH AS EQUIV METHANE #2	8.900	2621688	10.494	PPMV	
29) H	TPH AS EQUIV HEXANE #2	8.900	1454701	0.995	PPMV	
30) H	TPH Range A as Methan...	6.000	2669854	10.574	ppmv	
31) H	TPH Range A as Methan...	6.000	2626367	10.421	PPMV	
32) H	TPH Range B as Pentan...	12.500	1312260	0.996	ppmv	
33) H	TPH Range A as Propan...	6.000	820539	1.040	ppmv	
34) H	TPH Range B as Hexane #2	12.500	1468489	0.999	ppmv	

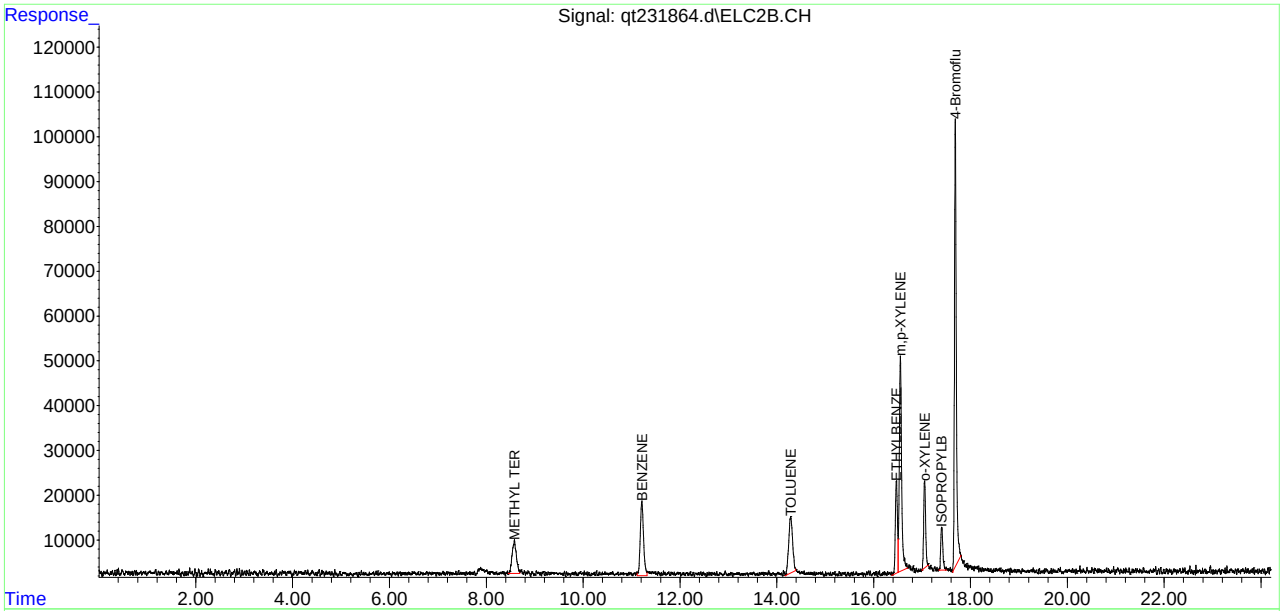
(f)=RT Delta > 1/2 Window (m)=manual int.

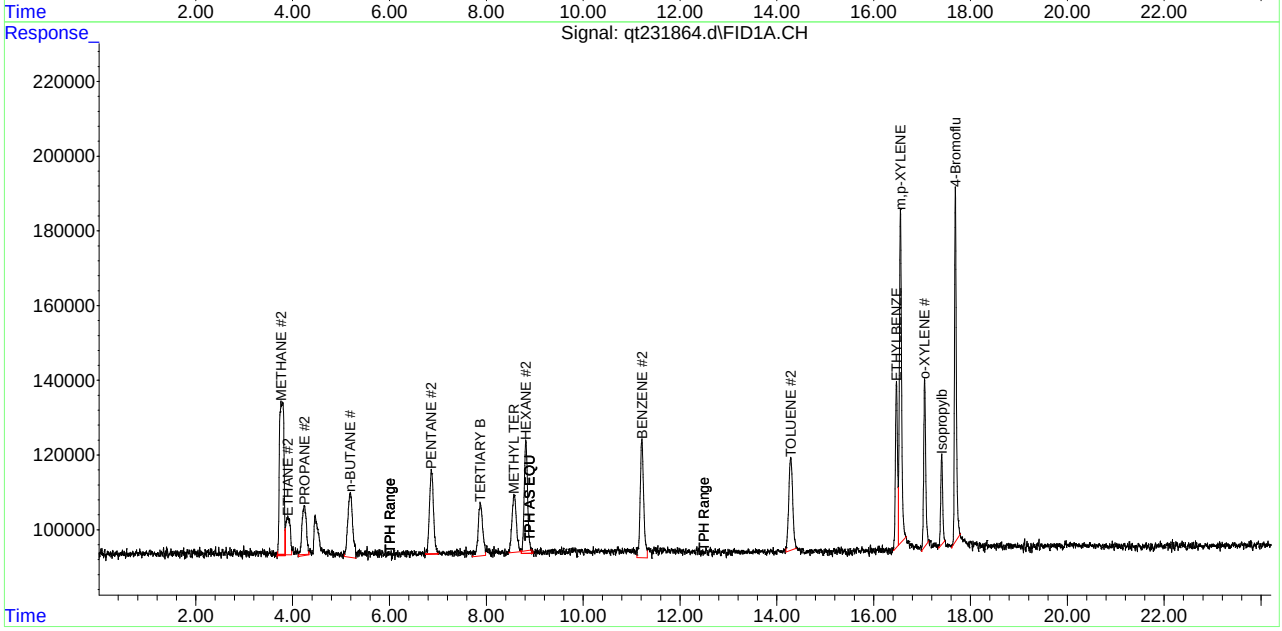
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231864.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 13:27:04
Operator : williamc
Sample : ic3114-1.0
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:17:26 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number: GQT3114-IC3114
Lab FileID: QT231864.D
Injection Time: 01/24/25 13:27
Method: EPA TO-3
Analyst approved: 01/28/25 12:01 William Cruser
Supervisor approved: 01/28/25 14:09 Kanya Veerawat

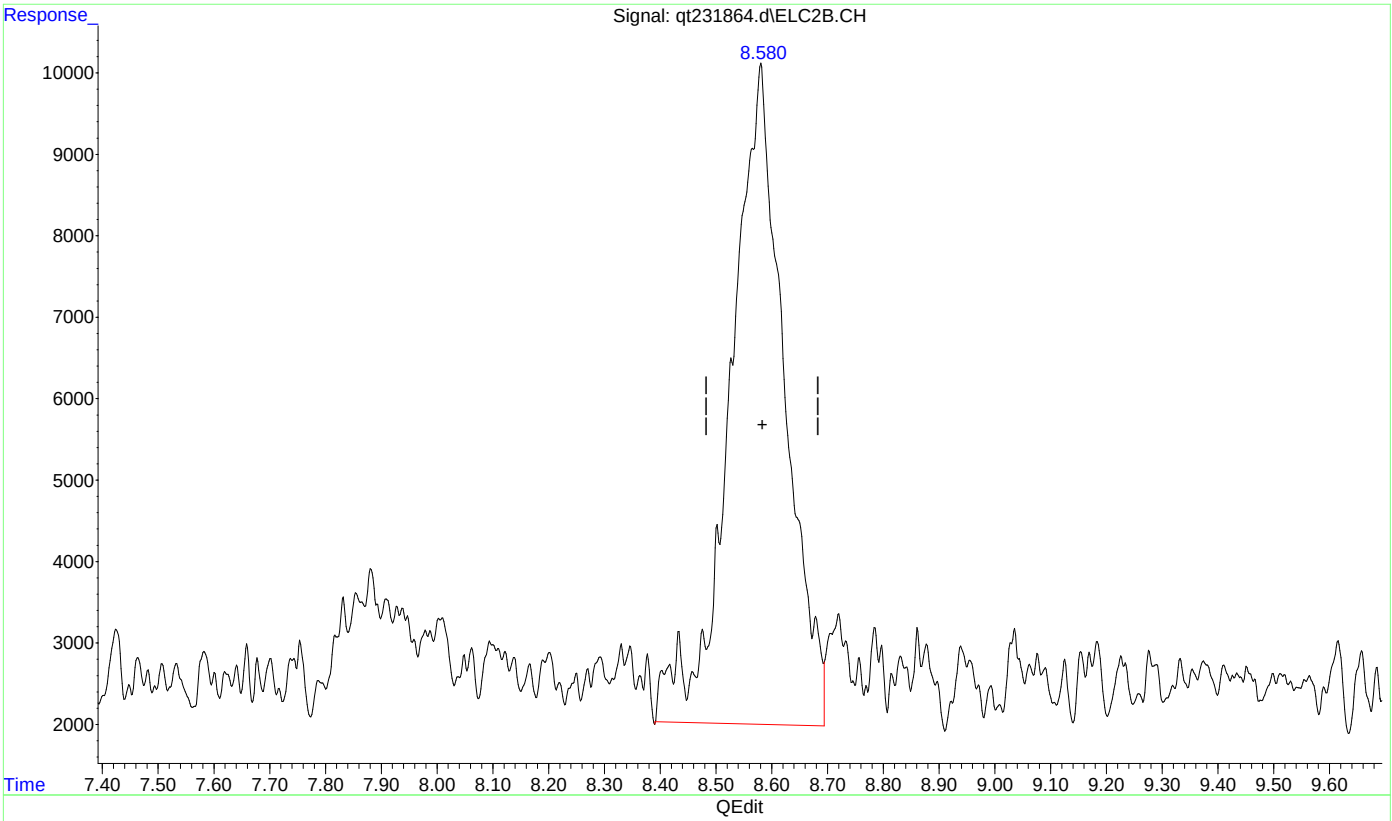
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	2	3.76	Split peak
Ethane	74-84-0	2	3.90	Missed peak
Pentane	109-66-0	2	6.86	Poorly defined baseline
Methyl Tert Butyl Ether	1634-04-4	1	8.58	Poorly defined baseline
Isopropylbenzene	98-82-8	1	17.40	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231864.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 13:27:04
Operator : williamc
Sample : ic3114-1.0
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:14:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(1) METHYL TERTIARY BUTYL ETHER

8.580min 1.304 PPMV

response 546066

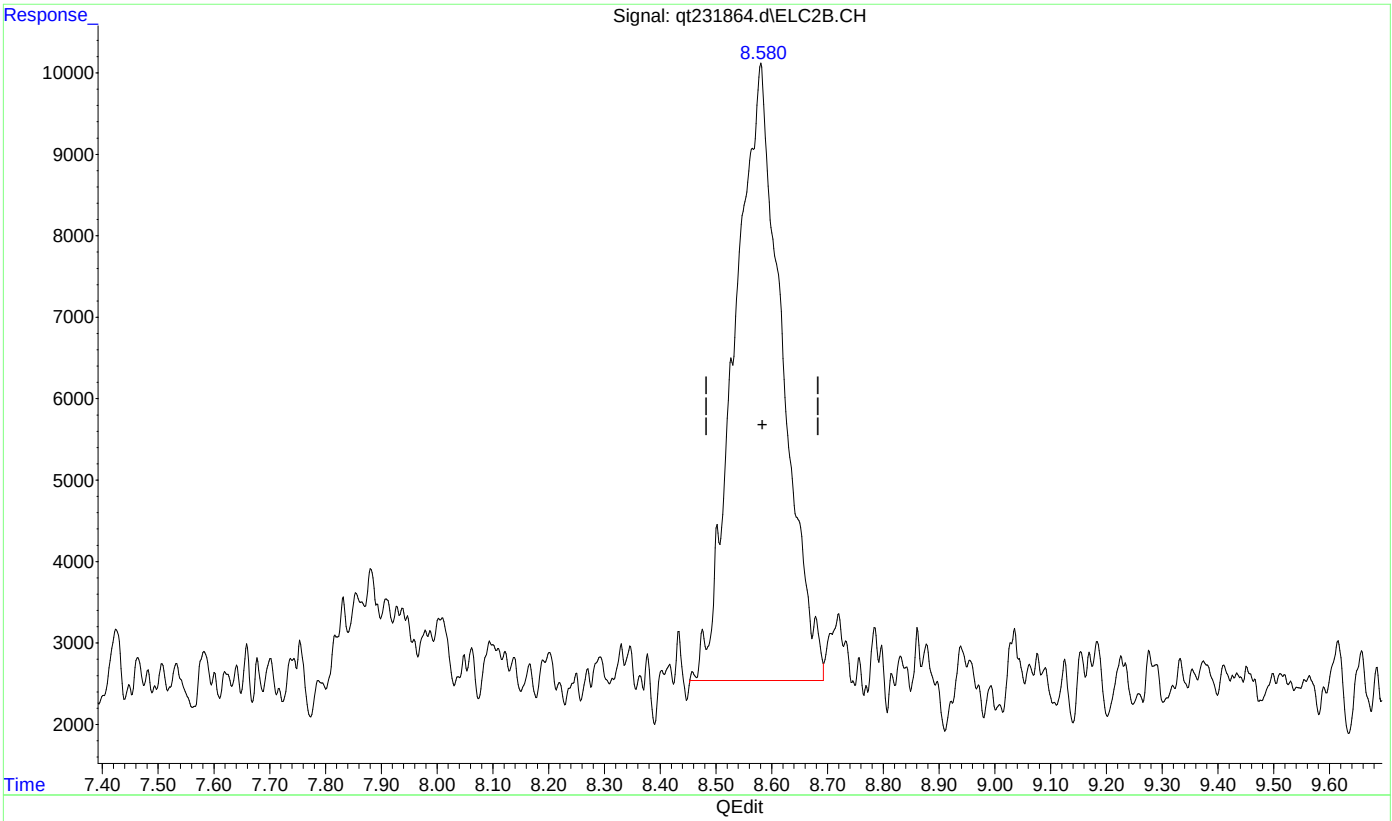
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:14:56 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231864.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 13:27:04
Operator : williamc
Sample : ic3114-1.0
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:14:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(1) METHYL TERTIARY BUTYL ETHER

8.580min 1.067 PPMV m

response 446856

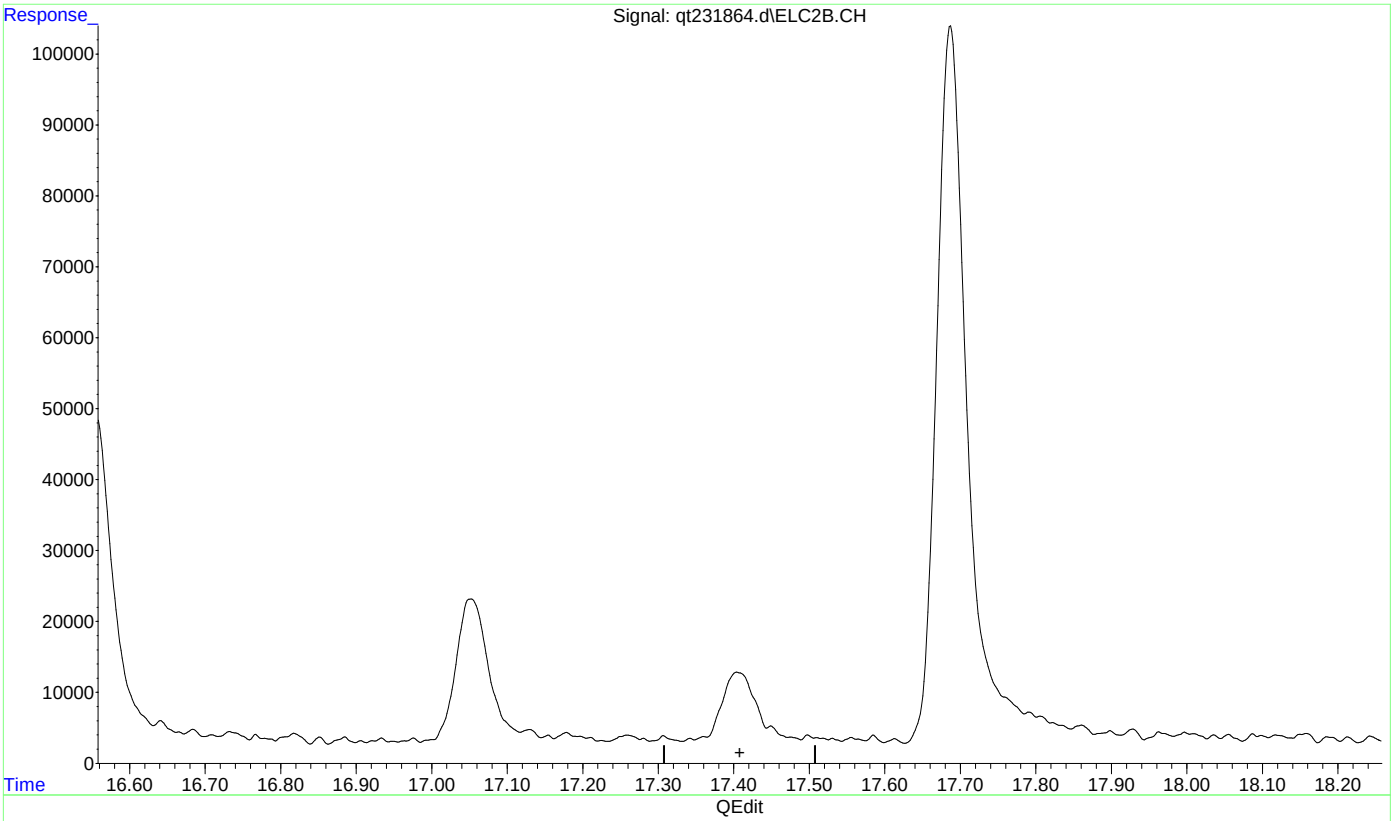
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:15:04 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231864.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 13:27:04
Operator : williamc
Sample : ic3114-1.0
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:14:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(7) ISOPROPYLBENZENE ( )

17.408min 0.000 PPMV

response 0

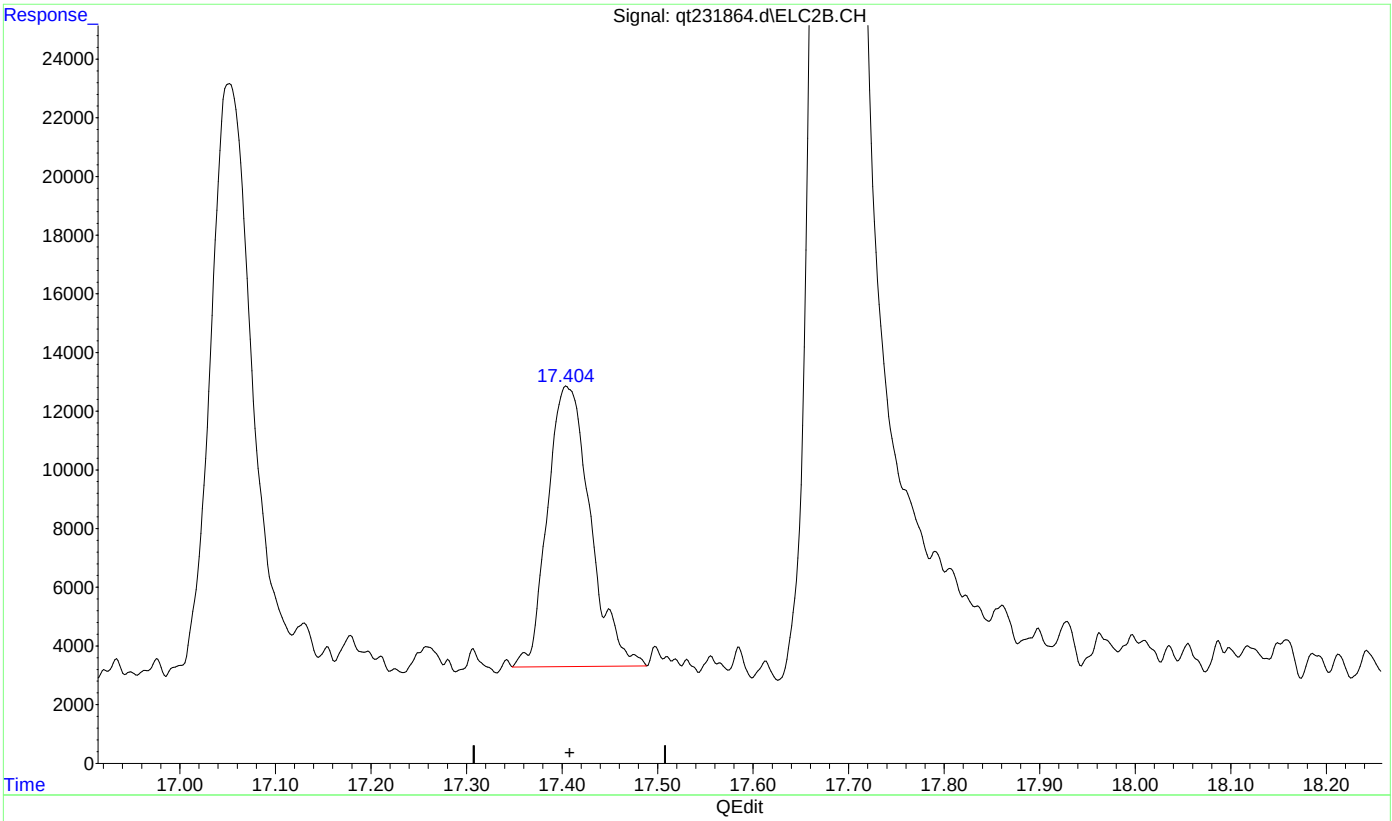
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:15:14 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231864.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 13:27:04
Operator : williamc
Sample : ic3114-1.0
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:14:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(7) ISOPROPYLBENZENE ( )

17.404min 0.481 PPMV m

response 297440

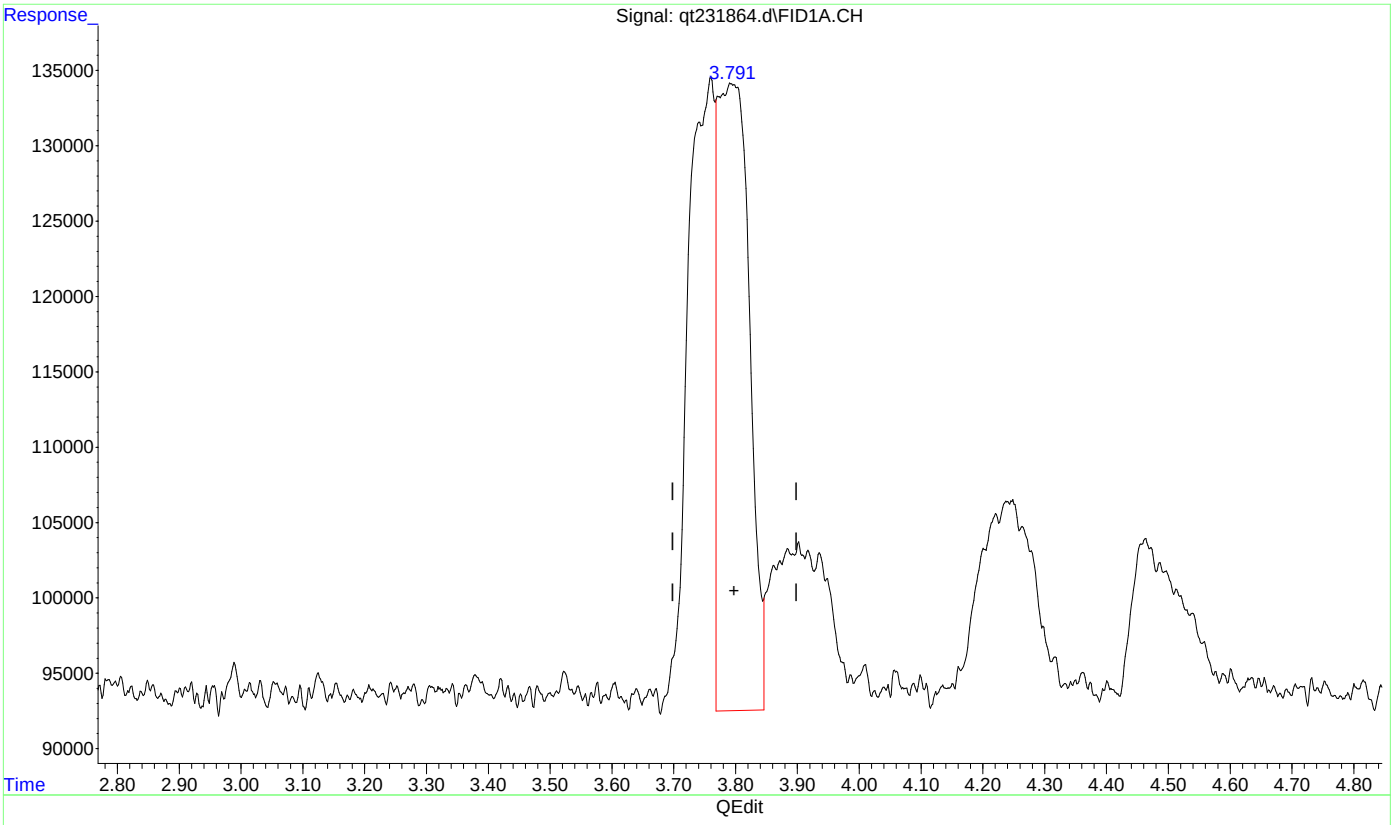
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:15:24 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231864.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 13:27:04
Operator : williamc
Sample : ic3114-1.0
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:14:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(11) METHANE #2

3.793min 5.889 PPMV

response 1481504

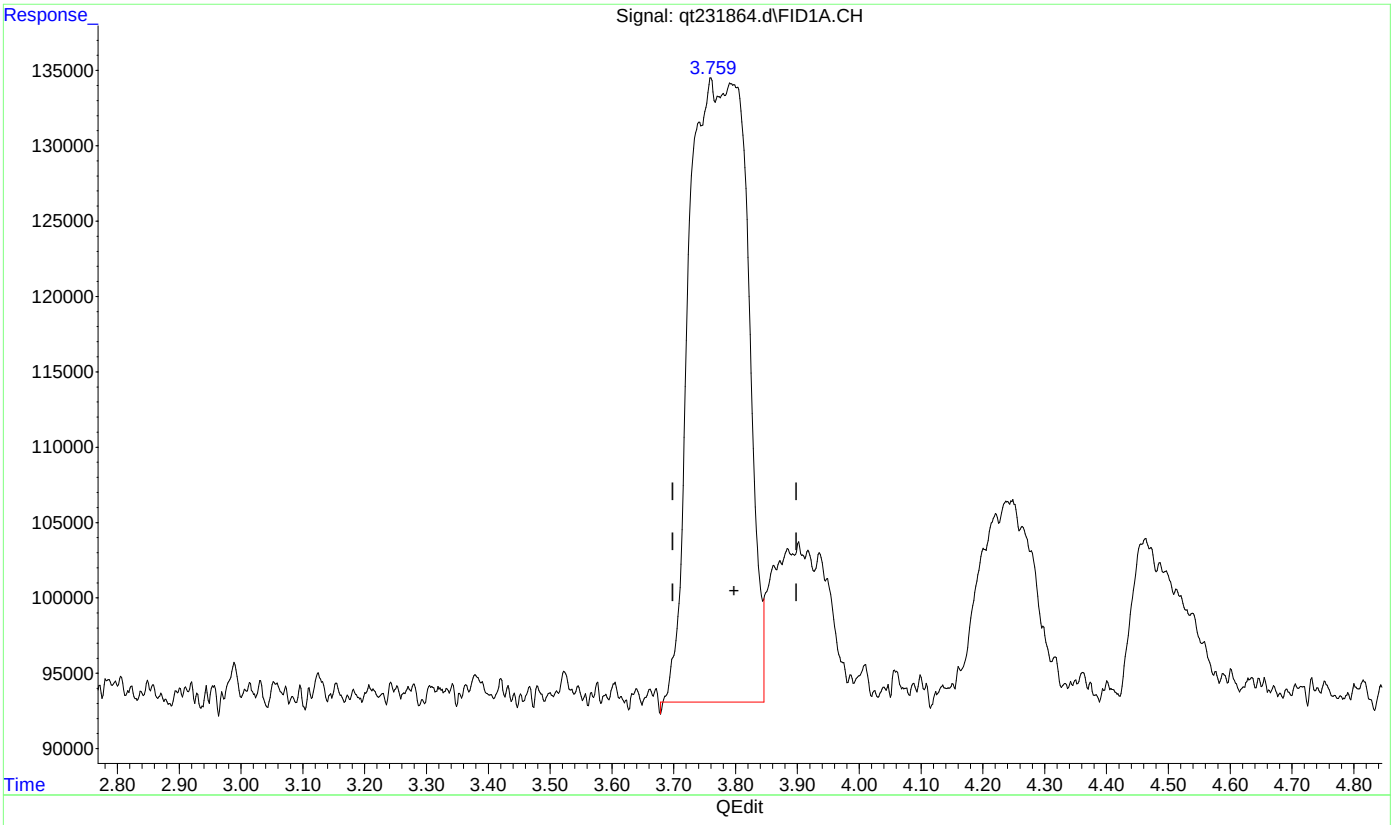
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:15:30 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231864.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On   : 24-Jan-25, 13:27:04
Operator : williamc
Sample   : ic3114-1.0
Misc   : GC64326,GQT3114,,,,,1
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:14:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID   Signal #2 Info : FID



(11) METHANE #2

3.759min 10.584 PPMV m

response 2662744

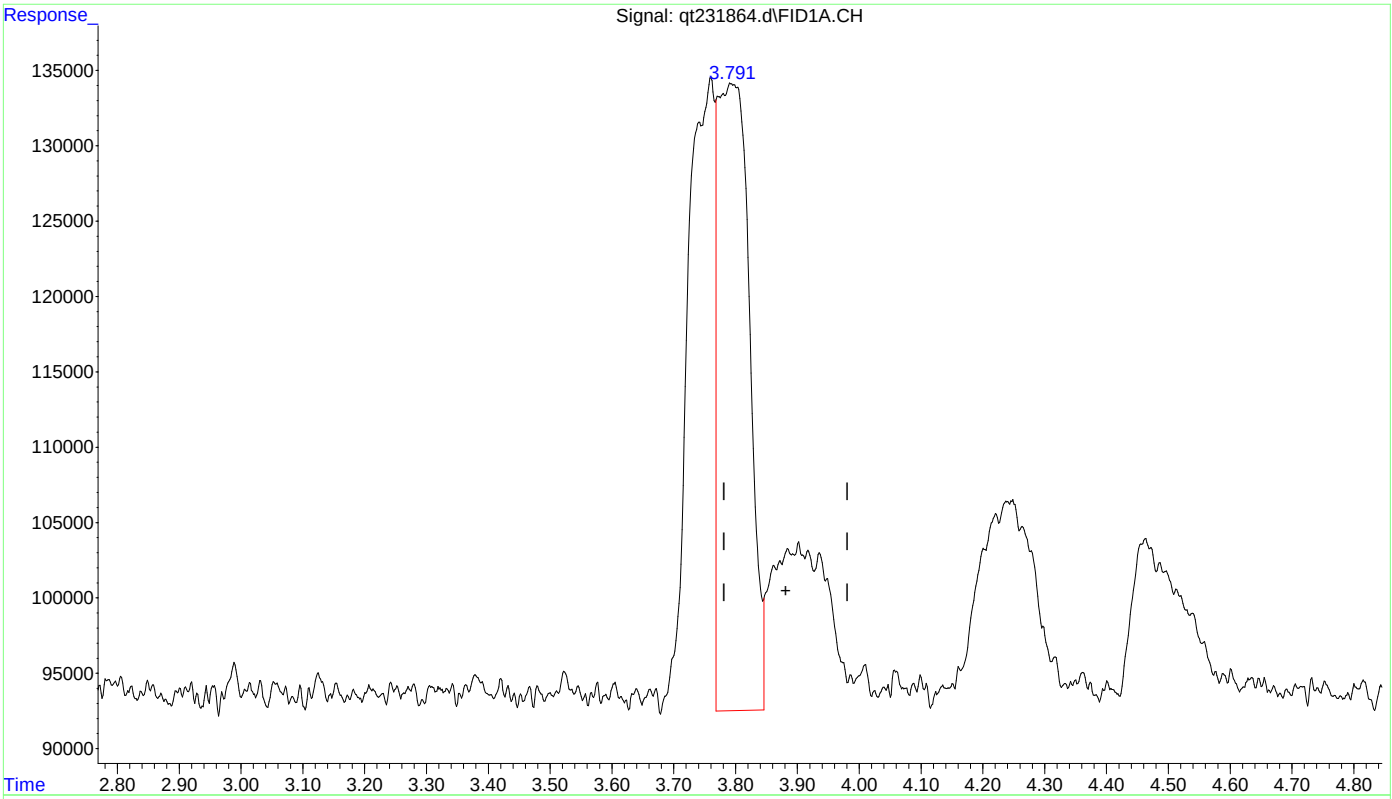
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:15:39 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231864.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 13:27:04
Operator : williamc
Sample : ic3114-1.0
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:14:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(12) ETHANE #2

3.793min 2.398 PPMV

response 1481504

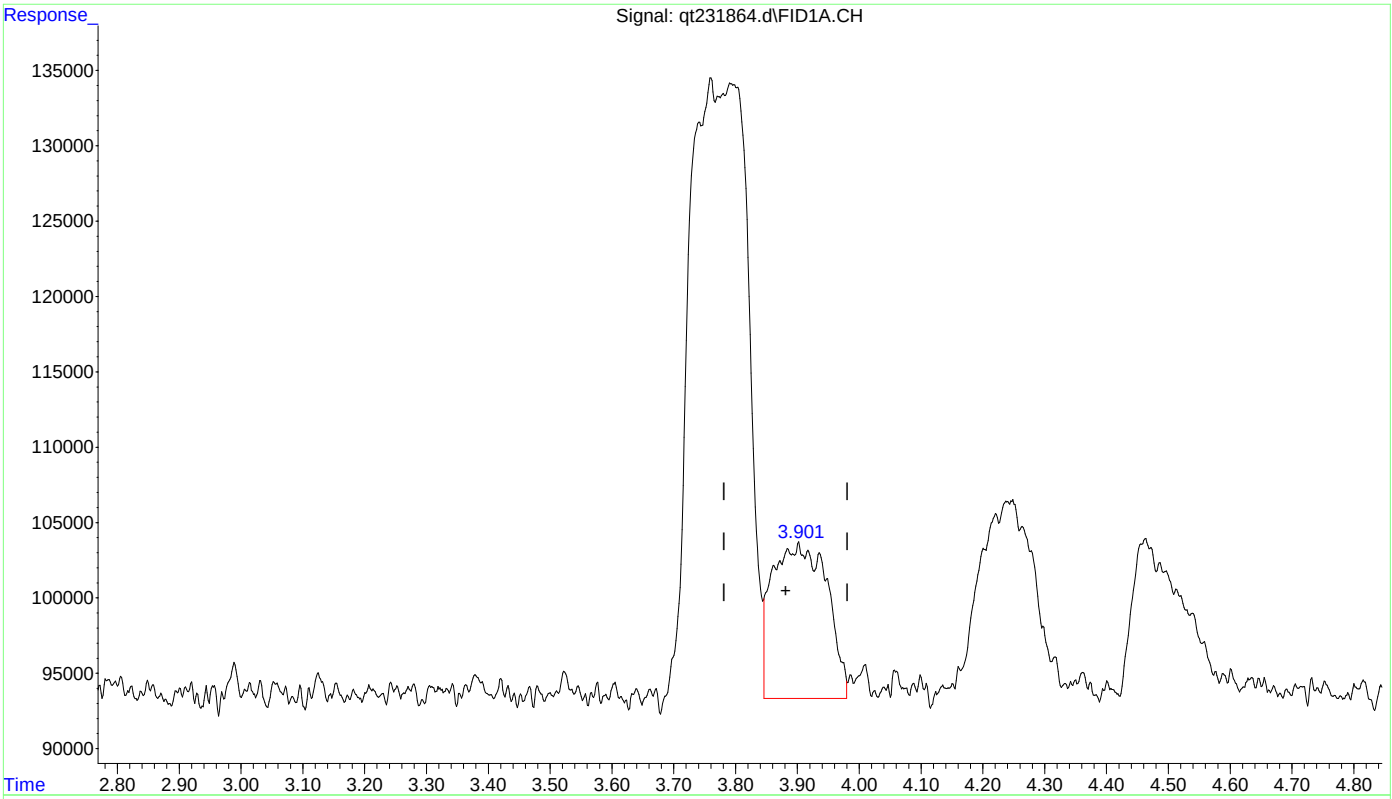
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:15:44 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231864.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 13:27:04
Operator : williamc
Sample : ic3114-1.0
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:14:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(12) ETHANE #2

3.901min 1.024 PPMV m

response 632739

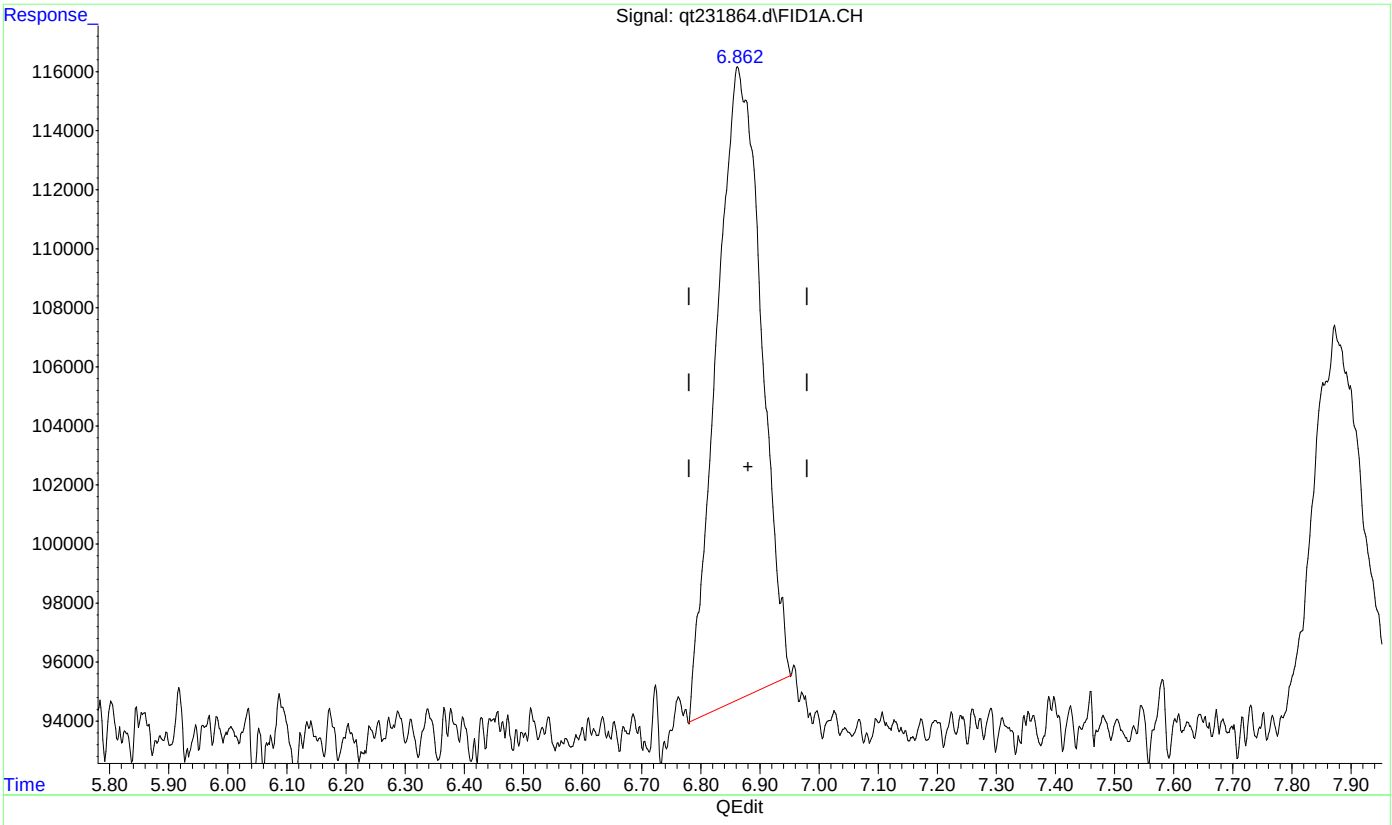
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:15:57 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231864.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 13:27:04
Operator : williamc
Sample : ic3114-1.0
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:14:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(15) PENTANE #2

6.863min 0.885 PPMV

response 1129460

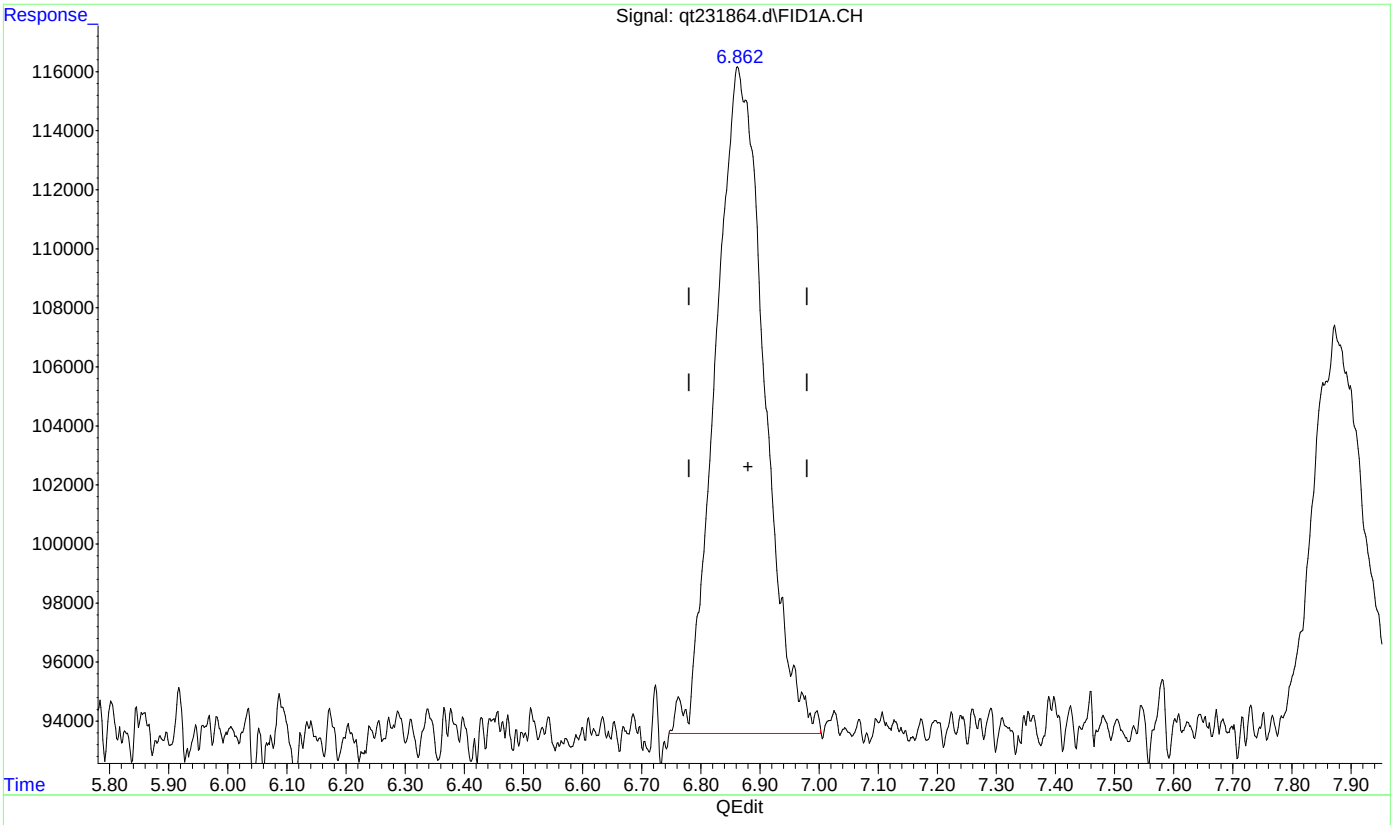
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:16:07 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231864.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 13:27:04
Operator : williamc
Sample : ic3114-1.0
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:14:49 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(15) PENTANE #2

6.862min 1.017 PPMV m

response 1298869

(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:16:15 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231865.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 14:09:13
Operator : williamc
Sample : ic3114-5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:23:07 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.684	2734589	10.734 PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	107.34%
26) s	4-Bromofluorobenzene #2	17.686	2573316	9.767 PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	97.67%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.573	2353058	5.617 PPMV
2)	BENZENE	11.212	3827304	5.372 PPMV
3)	TOLUENE	14.285	3914129	5.403 PPMV
4)	ETHYLBENZENE	16.468	3333169	5.296 PPMV
5)	m,p-XYLENE	16.552	9126369	10.889 PPMV
6)	o-XYLENE	17.051	3310399	5.458 PPMV
7)	ISOPROPYLBENZENE	17.402	1583922	2.561 PPMV
11)	METHANE #2	3.796	12344368	49.066 PPMV
12)	ETHANE #2	3.875	3287253	5.322 PPMV
13)	PROPANE #2	4.245	4035359	5.060 PPMV
14)	n-BUTANE #2	5.191	5314047	4.968 PPMV
15)	PENTANE #2	6.869	6509939	5.099 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.877	4567066	5.337 PPMV
17)	METHYL TERTIARY BUTYL...	8.575	5047074	5.125 PPMV
18)	HEXANE #2	8.820	7388153	5.083 PPMV
19)	BENZENE #2	11.213	7373148	5.183 PPMV
20)	TOLUENE #2	14.288	7447599	5.125 PPMV
21)	ETHYLBENZENE #2	16.470	7243713	5.033 PPMV
22)	m,p-XYLENE #2	16.553	16488339	9.971 PPMV
23)	o-XYLENE #2	17.052	7253677	5.024 PPMV
24)	Isopropylbenzene #2	17.403	3940481	2.492 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	6510431	5.012 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	12280723	49.158 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	7384987	5.049 PPMV
30) H	TPH Range A as Methan...	6.000	12106192	47.948 ppmv
31) H	TPH Range A as Methan...	6.000	12104229	48.027 PPMV
32) H	TPH Range B as Pentan...	12.500	6455461	4.901 ppmv
33) H	TPH Range A as Propan...	6.000	3911159	4.957 ppmv
34) H	TPH Range B as Hexane #2	12.500	7373797	5.017 ppmv

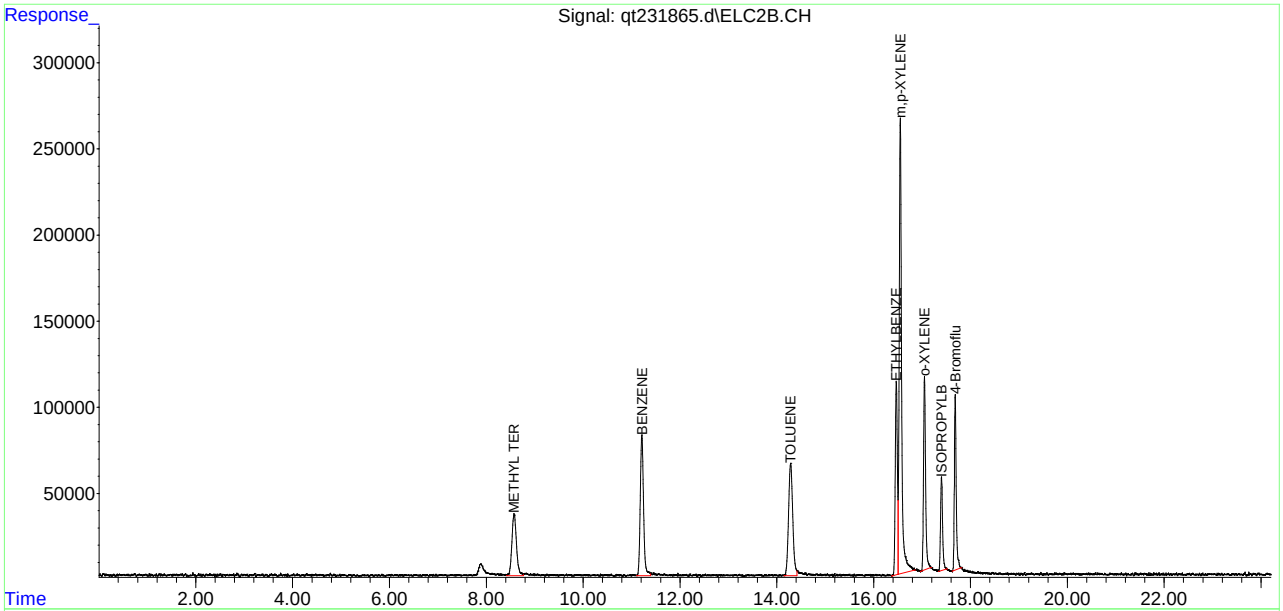
(f)=RT Delta > 1/2 Window (m)=manual int.

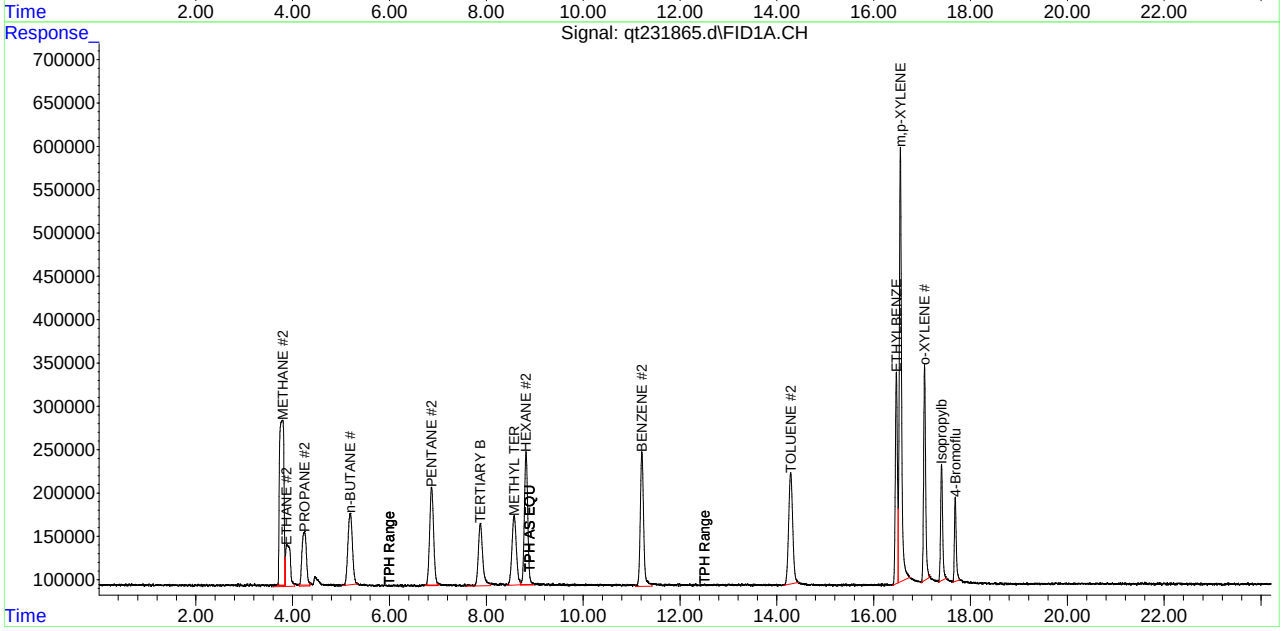
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231865.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 14:09:13
Operator : williamc
Sample : ic3114-5
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:23:07 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/28/25 14:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231866.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 14:51:25
Operator : williamc
Sample : icc3114-10
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:28:10 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.686	2689740	10.558 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	105.58%
26) s	4-Bromofluorobenzene #2	17.688	2432993	9.234 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	92.34%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.575	4598154	10.977 PPMV
2)	BENZENE	11.214	7427846	10.425 PPMV
3)	TOLUENE	14.289	7841205	10.825 PPMV
4)	ETHYLBENZENE	16.470	6649018	10.565 PPMV
5)	m,p-XYLENE	16.553	18341758	21.885 PPMV
6)	o-XYLENE	17.051	6635146	10.940 PPMV
7)	ISOPROPYLBENZENE	17.404	3191113	5.160 PPMV
11)	METHANE #2	3.794	23997023	95.383 PPMV
12)	ETHANE #2	3.881	6224065	10.076 PPMV m
13)	PROPANE #2	4.246	7970551	9.993 PPMV
14)	n-BUTANE #2	5.190	10770476	10.069 PPMV
15)	PENTANE #2	6.872	12768668	10.001 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.876	8222286	9.608 PPMV
17)	METHYL TERTIARY BUTYL...	8.573	9796237	9.947 PPMV
18)	HEXANE #2	8.823	14331840	9.860 PPMV
19)	BENZENE #2	11.215	14249931	10.017 PPMV
20)	TOLUENE #2	14.289	14911699	10.262 PPMV
21)	ETHYLBENZENE #2	16.471	14540196	10.104 PPMV
22)	m,p-XYLENE #2	16.554	33765676	20.420 PPMV
23)	o-XYLENE #2	17.053	14654314	10.150 PPMV
24)	Isopropylbenzene #2	17.405	7779741	4.921 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	12982420	9.994 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	23825725	95.371 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	15043014	10.285 PPMV
30) H	TPH Range A as Methan...	6.000	23906083	94.683 ppmv
31) H	TPH Range A as Methan...	6.000	23871066	94.716 PPMV
32) H	TPH Range B as Pentan...	12.500	12975218	9.850 ppmv
33) H	TPH Range A as Propan...	6.000	7858330	9.961 ppmv
34) H	TPH Range B as Hexane #2	12.500	14916227	10.148 ppmv

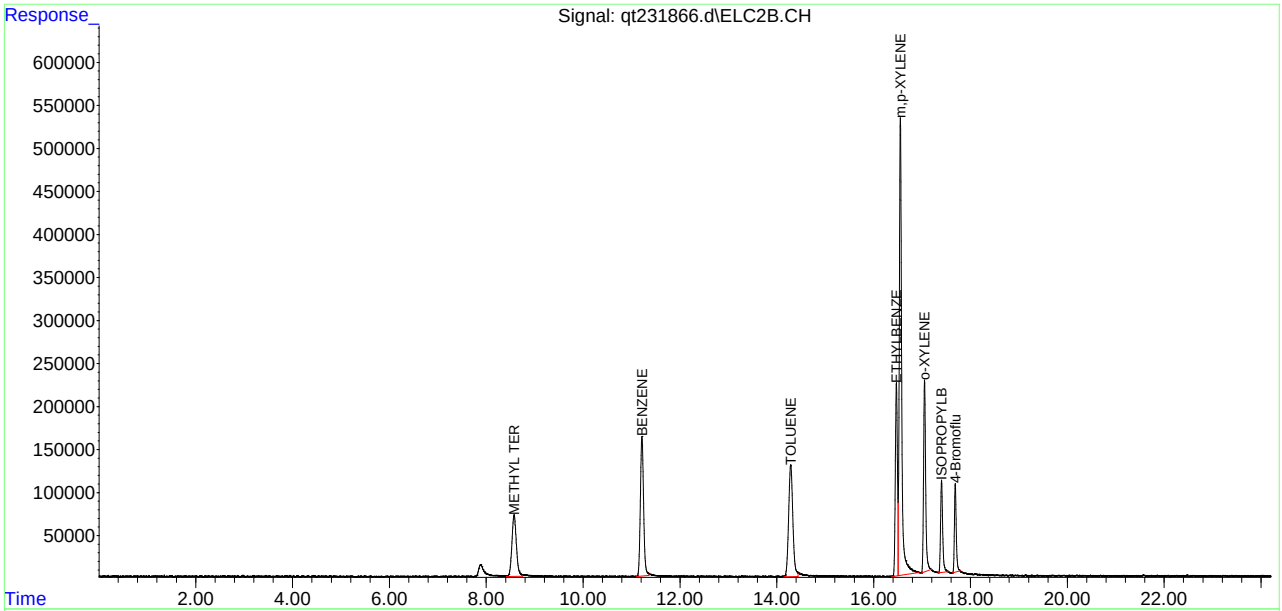
(f)=RT Delta > 1/2 Window (m)=manual int.

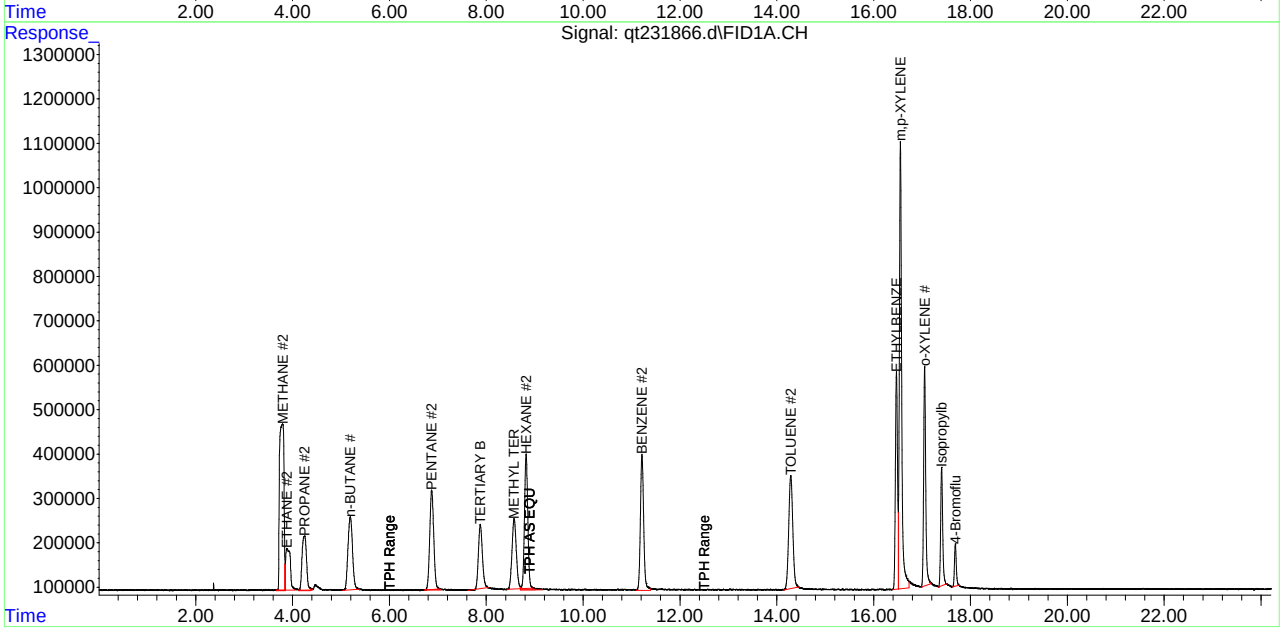
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231866.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 14:51:25
Operator : williamc
Sample : icc3114-10
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:28:10 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number:	GQT3114-ICC3114	**Method:**	EPA TO-3
Lab FileID:	QT231866.D	**Analyst approved:**	01/28/25 12:01 William Cruser
Injection Time:	01/24/25 14:51	**Supervisor approved:**	01/28/25 14:09 Kanya Veerawat

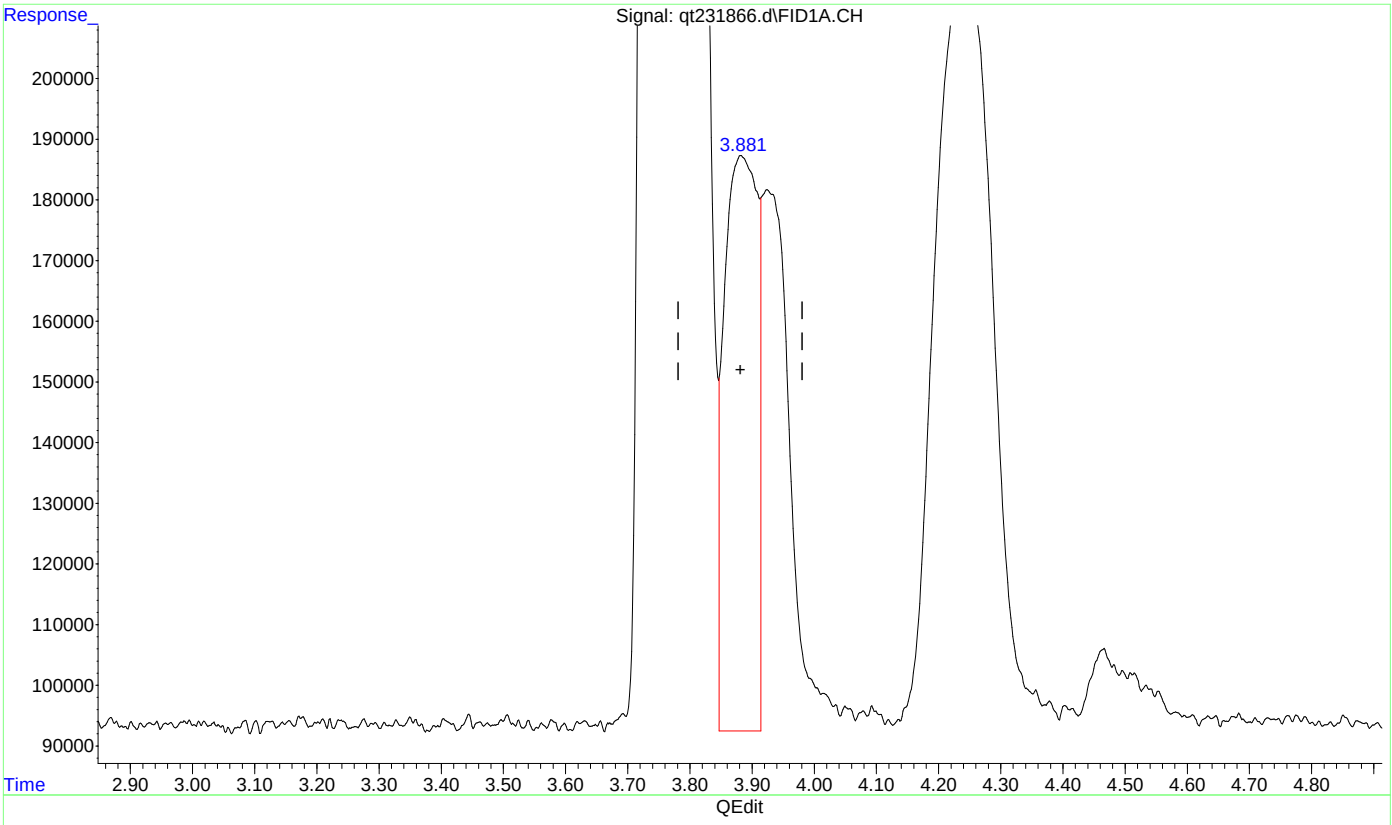
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethane	74-84-0	2	3.88	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231866.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 14:51:25
Operator : williamc
Sample : icc3114-10
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:26:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(12) ETHANE #2

3.883min 5.649 PPMV

response 3489226

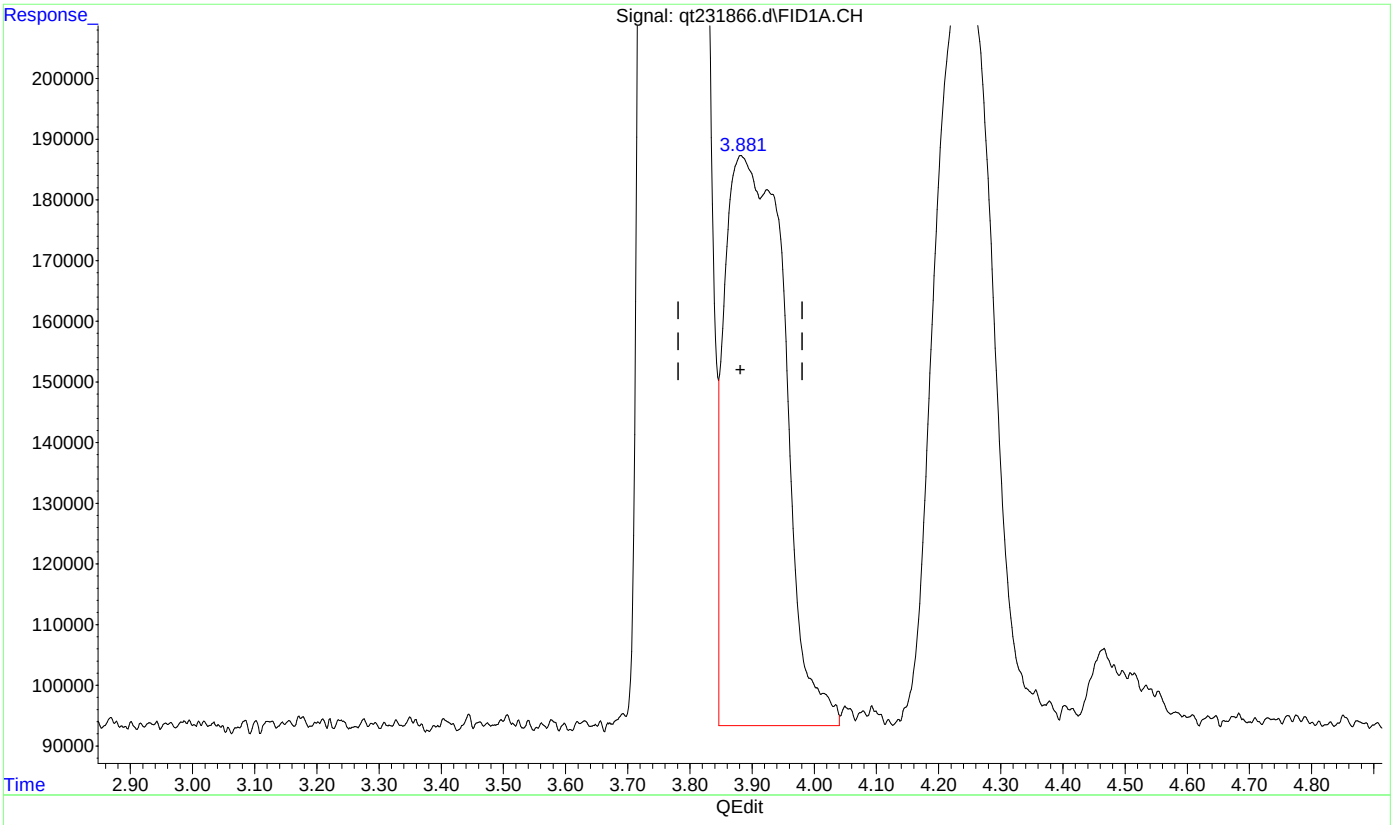
(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:26:46 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231866.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 14:51:25
Operator : williamc
Sample : icc3114-10
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:26:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(12) ETHANE #2

3.881min 10.076 PPMV m

response 6224065

(+) = Expected Retention Time
MQT3114.M Tue Jan 28 11:26:56 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231867.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 15:33:37
Operator : williamc
Sample : ic3114-100
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:40:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
9)	s	4-Bromofluorobenzene	17.685	2727702	10.707	PPMV
Spiked Amount		10.000 Range 59 - 135		Recovery = 107.07%		
26)	s	4-Bromofluorobenzene #2	17.686	3250940	12.339	PPMV
Spiked Amount		10.000 Range 59 - 135		Recovery = 123.39%		
		Target Compounds				
1)		METHYL TERTIARY BUTYL...	8.574	46107568	110.068	PPMV
2)		BENZENE	11.218	78393920	110.025	PPMV
3)		TOLUENE	14.289	82616602	114.052	PPMV
4)		ETHYLBENZENE	16.471	72464204	115.142	PPMV
5)		m,p-XYLENE	16.554	187273230	223.446	PPMV
6)		o-XYLENE	17.052	75264772	124.094	PPMV
7)		ISOPROPYLBENZENE	17.403	36767632	59.448	PPMV
8)		Naphthalene	21.550	815766	1.056	PPMV
11)		METHANE #2	3.798	237964279	945.852	PPMV
12)		ETHANE #2	3.879	62802937	101.670	PPMV
13)		PROPANE #2	4.247	79088988	99.162	PPMV
14)		n-BUTANE #2	5.195	109432183	102.302	PPMV
15)		PENTANE #2	6.879	130406528	102.144	PPMV
16)		TERTIARY BUTYL ALCOHO...	7.875	93621821	109.396	PPMV
17)		METHYL TERTIARY BUTYL...	8.575	100741807	102.288	PPMV
18)		HEXANE #2	8.828	149116093	102.585	PPMV
19)		BENZENE #2	11.219	145112589	102.005	PPMV
20)		TOLUENE #2	14.291	162338868	111.722	PPMV
21)		ETHYLBENZENE #2	16.473	160873337	111.787	PPMV
22)		m,p-XYLENE #2	16.555	381767237	230.875	PPMV
23)		o-XYLENE #2	17.054	177517535	122.948	PPMV
24)		Isopropylbenzene #2	17.405	98098744	62.048	PPMV
25)		Naphthalene #2	21.552	1059743	0.956	PPMV
27)	H	TPH AS EQUIV PENTANE #2	8.900	132298387	101.843	PPMV
28)	H	TPH AS EQUIV METHANE #2	8.900	237698457	951.476	PPMV
29)	H	TPH AS EQUIV HEXANE #2	8.900	152529352	104.281	PPMV
30)	H	TPH Range A as Methan...	6.000	236923822	938.364	ppmv
31)	H	TPH Range A as Methan...	6.000	240505860	954.284	PPMV
32)	H	TPH Range B as Pentan...	12.500	131862787	100.101	ppmv
33)	H	TPH Range A as Propan...	6.000	80336741	101.828	ppmv
34)	H	TPH Range B as Hexane #2	12.500	153291825	104.293	ppmv

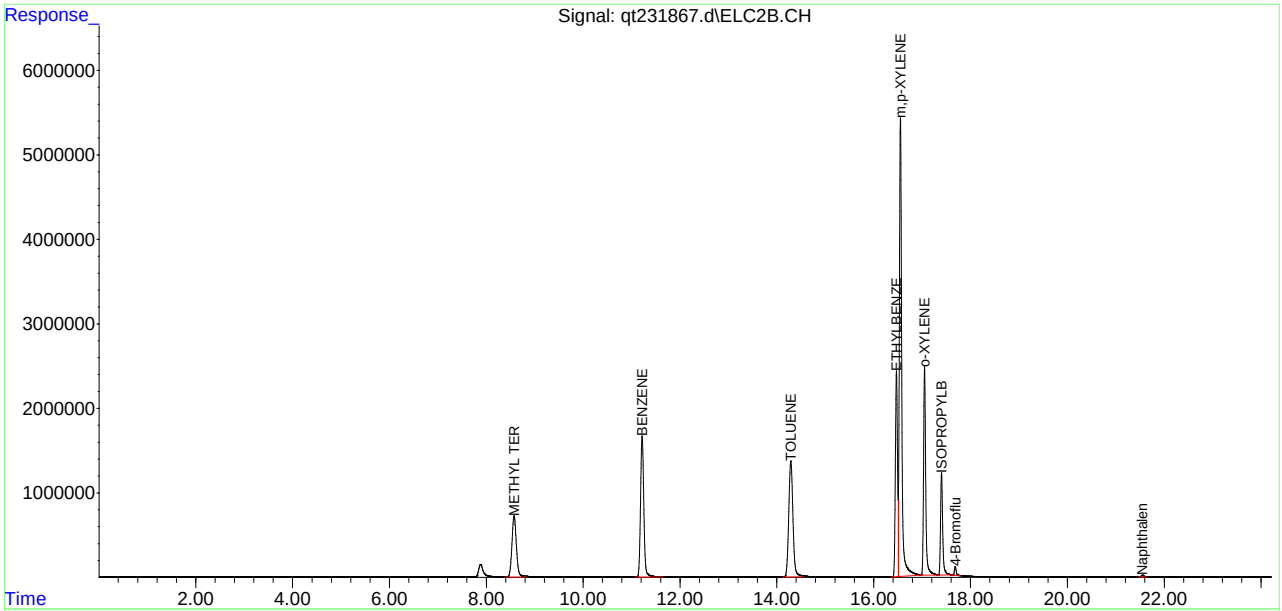
(f)=RT Delta > 1/2 Window (m)=manual int.

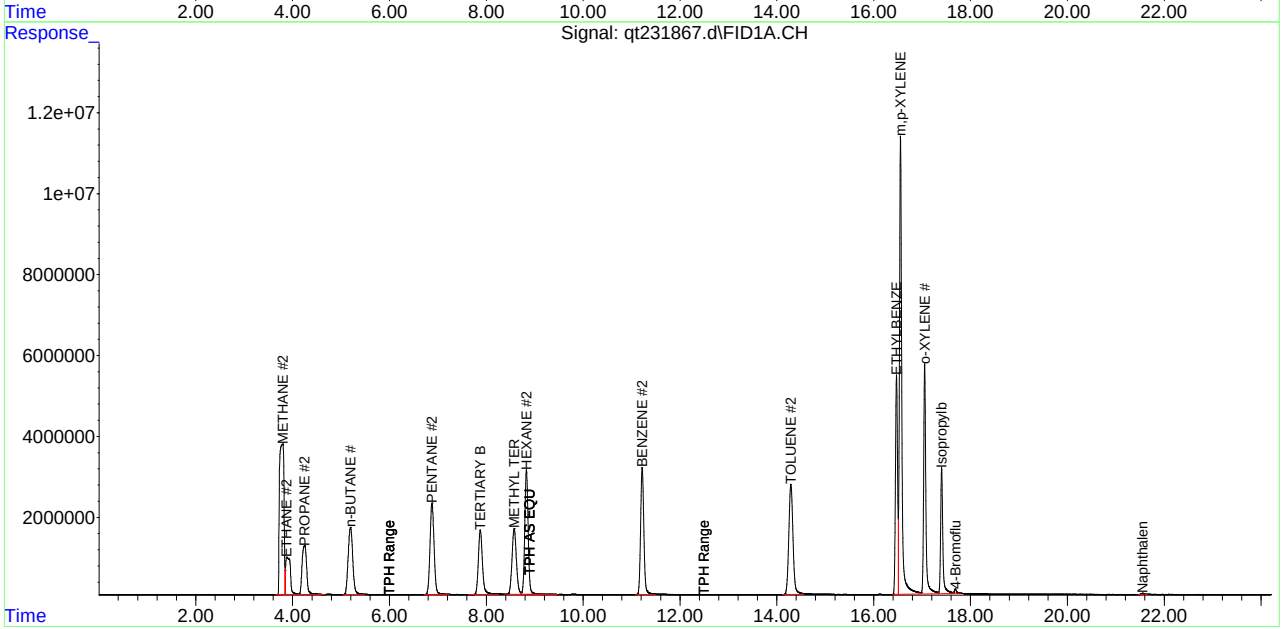
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231867.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 15:33:37
Operator : williamc
Sample : ic3114-100
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:40:52 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 14 08:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231868.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 16:15:09
Operator : williamc
Sample : icv3114-10
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:49:15 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.684	2738992	10.163 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	101.63%
26) s	4-Bromofluorobenzene #2	17.687	2519010	9.686 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	96.86%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.551	4741520	10.534 PPMV
2)	BENZENE	11.199	7619241	9.734 PPMV
3)	TOLUENE	14.278	7872604	9.969 PPMV
4)	ETHYLBENZENE	16.468	6735863	10.017 PPMV
5)	m,p-XYLENE	16.550	18557449	21.007 PPMV
6)	o-XYLENE	17.050	6663309	9.819 PPMV
7)	ISOPROPYLBENZENE	17.401	3255441	4.627 PPMV
11)	METHANE #2	3.794	24105689	94.317 PPMV
12)	ETHANE #2	3.880	6477359	10.094 PPMV
13)	PROPANE #2	4.239	8070316	10.010 PPMV
14)	n-BUTANE #2	5.175	10739585	9.680 PPMV
15)	PENTANE #2	6.849	12838937	10.059 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.854	8833041	9.841 PPMV
17)	METHYL TERTIARY BUTYL...	8.552	10170092	10.250 PPMV
18)	HEXANE #2	8.801	15532620	10.549 PPMV
19)	BENZENE #2	11.200	14501043	9.598 PPMV
20)	TOLUENE #2	14.279	15020231	9.758 PPMV
21)	ETHYLBENZENE #2	16.469	14603314	10.091 PPMV
22)	m,p-XYLENE #2	16.552	33288015	20.078 PPMV
23)	o-XYLENE #2	17.051	14987256	10.257 PPMV
24)	Isopropylbenzene #2	17.403	7956331	4.914 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	13230842	10.139 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	24040607	94.449 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	15410637	10.327 PPMV
30) H	TPH Range A as Methan...	6.000	24032007	93.907 ppmv
31) H	TPH Range A as Methan...	6.000	24240578	94.818 PPMV
32) H	TPH Range B as Pentan...	12.500	13160809	10.062 ppmv
33) H	TPH Range A as Propan...	6.000	7825390	9.710 ppmv
34) H	TPH Range B as Hexane #2	12.500	15342529	10.287 ppmv

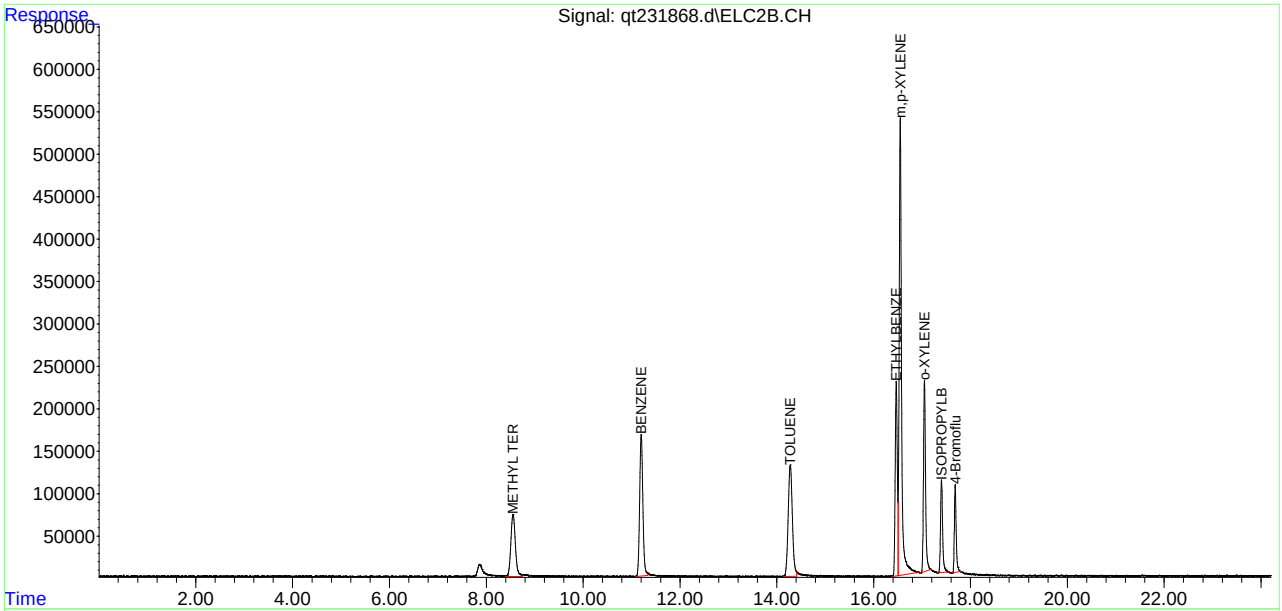
(f)=RT Delta > 1/2 Window (m)=manual int.

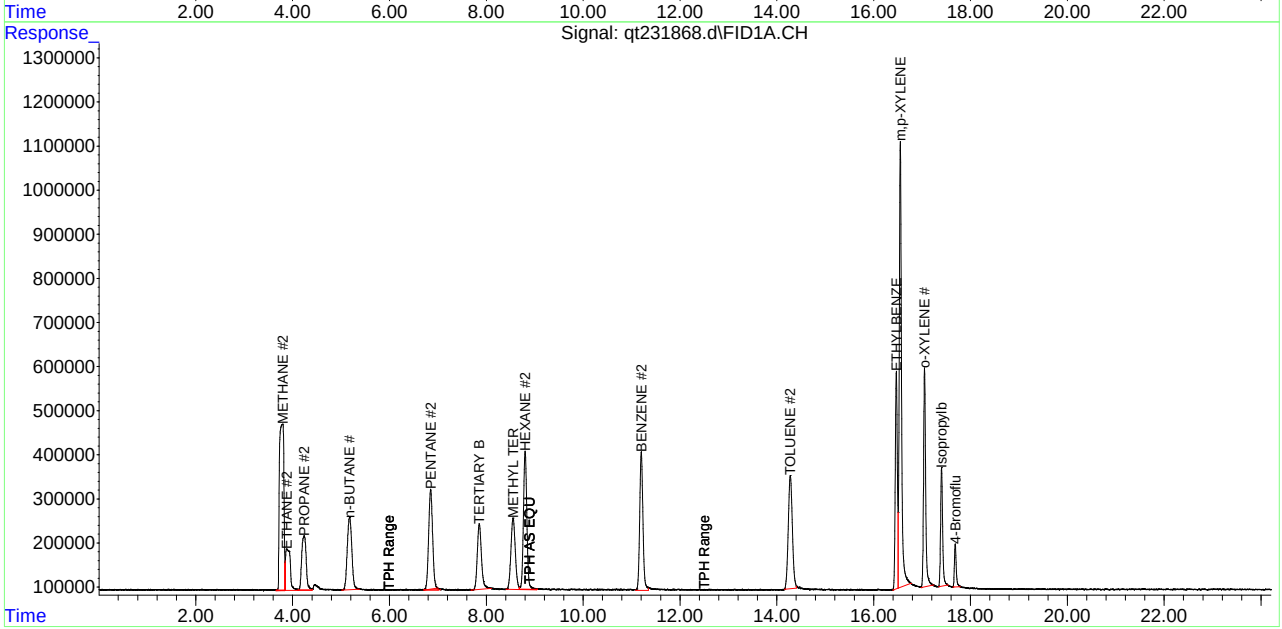
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231868.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 24-Jan-25, 16:15:09
Operator : williamc
Sample : icv3114-10
Misc : GC64326,GQT3114,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 28 11:49:15 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231941.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 08:32:14
Operator : williamc
Sample : cc3114-5
Misc : GC64326,GQT3117,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 14:52:56 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.682	2827085	10.490 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	104.90%
26) s	4-Bromofluorobenzene #2	17.684	2520173	9.691 PPMV
Spiked Amount	10.000 Range	59 - 135	Recovery =	96.91%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.584	2117615	4.705 PPMV
2)	BENZENE	11.216	3350199	4.280 PPMV
3)	TOLUENE	14.288	3416705	4.327 PPMV
4)	ETHYLBENZENE	16.467	2935414	4.365 PPMV
5)	m,p-XYLENE	16.549	8273218	9.365 PPMV
6)	o-XYLENE	17.048	2919140	4.301 PPMV
7)	ISOPROPYLBENZENE	17.400	1412238	2.007 PPMV
11)	METHANE #2	3.801	10749222	42.058 PPMV
12)	ETHANE #2	3.891	2837141	4.421 PPMV
13)	PROPANE #2	4.253	3495743	4.336 PPMV
14)	n-BUTANE #2	5.196	4706847	4.242 PPMV
15)	PENTANE #2	6.880	5681573	4.452 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.885	3312747	3.691 PPMV
17)	METHYL TERTIARY BUTYL...	8.583	4352366	4.387 PPMV
18)	HEXANE #2	8.827	6348964	4.312 PPMV
19)	BENZENE #2	11.216	5992206	3.966 PPMV
20)	TOLUENE #2	14.287	6686709	4.344 PPMV
21)	ETHYLBENZENE #2	16.468	6185436	4.274 PPMV
22)	m,p-XYLENE #2	16.550	14002563	8.446 PPMV
23)	o-XYLENE #2	17.050	6355194	4.350 PPMV
24)	Isopropylbenzene #2	17.401	3305138	2.041 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	5738208	4.397 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	10711162	42.081 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	6631108	4.444 PPMV
30) H	TPH Range A as Methan...	6.000	10644571	41.594 ppmv
31) H	TPH Range A as Methan...	6.000	10818116	42.315 PPMV
32) H	TPH Range B as Pentan...	12.500	5848283	4.471 ppmv
33) H	TPH Range A as Propan...	6.000	3471418	4.307 ppmv
34) H	TPH Range B as Hexane #2	12.500	6455486	4.328 ppmv

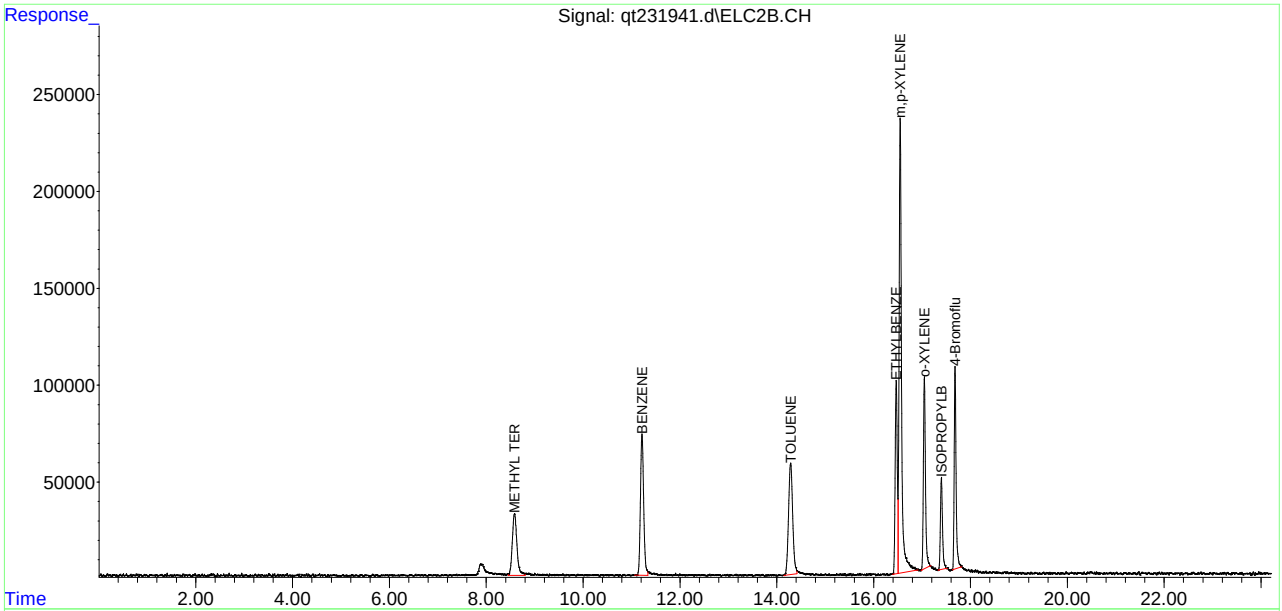
(f)=RT Delta > 1/2 Window (m)=manual int.

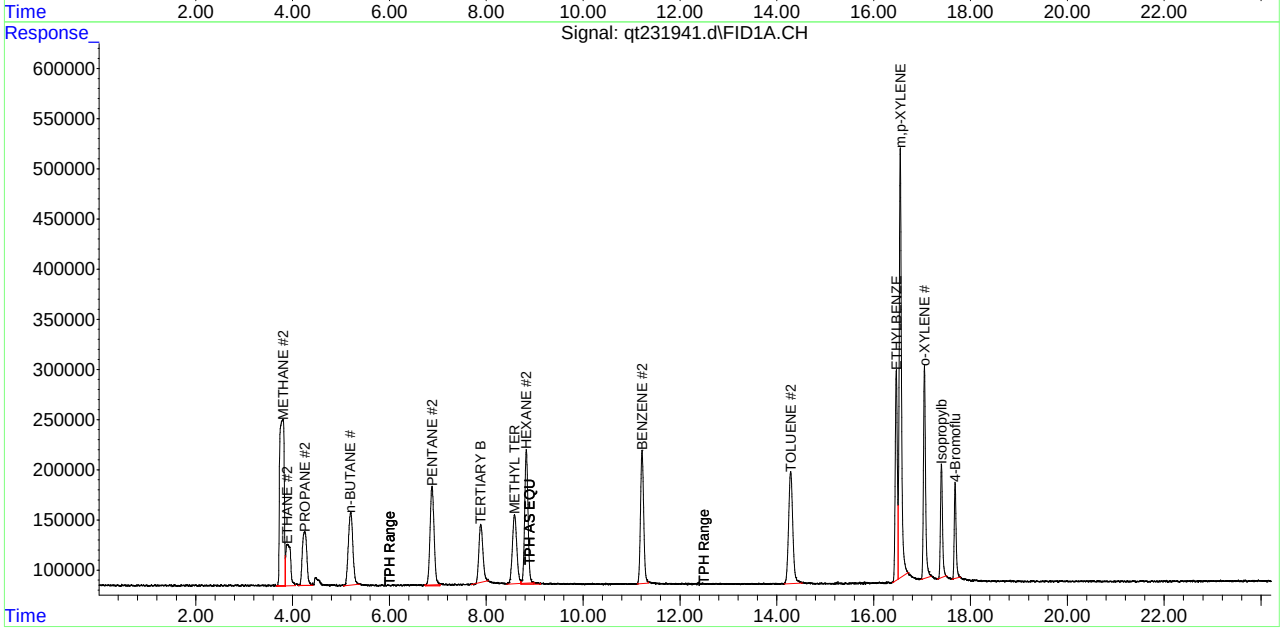
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231941.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 08:32:14
Operator : williamc
Sample : cc3114-5
Misc : GC64326,GQT3117,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 14:52:56 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231946.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 12:02:37
Operator : williamc
Sample : cc3114-10
Misc : GC64425,GQT3117,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:30:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.682	2853077	10.586 PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	105.86%
26) s	4-Bromofluorobenzene #2	17.683	2524860	9.709 PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	97.09%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.582	4808408	10.683 PPMV
2)	BENZENE	11.218	7885039	10.074 PPMV
3)	TOLUENE	14.287	7911323	10.018 PPMV
4)	ETHYLBENZENE	16.467	6873061	10.221 PPMV
5)	m,p-XYLENE	16.550	19094023	21.614 PPMV
6)	o-XYLENE	17.049	6990724	10.301 PPMV
7)	ISOPROPYLBENZENE	17.399	3317918	4.715 PPMV
11)	METHANE #2	3.811	24693046	96.616 PPMV
12)	ETHANE #2	3.890	6407265	9.985 PPMV
13)	PROPANE #2	4.253	8089905	10.034 PPMV
14)	n-BUTANE #2	5.202	10817104	9.750 PPMV
15)	PENTANE #2	6.883	13076865	10.246 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.885	8861609	9.873 PPMV
17)	METHYL TERTIARY BUTYL...	8.583	10198837	10.279 PPMV
18)	HEXANE #2	8.830	14999792	10.187 PPMV
19)	BENZENE #2	11.219	14400826	9.531 PPMV
20)	TOLUENE #2	14.288	15352230	9.973 PPMV
21)	ETHYLBENZENE #2	16.468	14809222	10.233 PPMV
22)	m,p-XYLENE #2	16.551	34025475	20.523 PPMV
23)	o-XYLENE #2	17.050	15103885	10.337 PPMV
24)	Isopropylbenzene #2	17.401	7925599	4.895 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	13577431	10.405 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	24807858	97.463 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	15454580	10.357 PPMV
30) H	TPH Range A as Methan...	6.000	24470045	95.618 ppmv
31) H	TPH Range A as Methan...	6.000	24618884	96.297 PPMV
32) H	TPH Range B as Pentan...	12.500	13486127	10.310 ppmv
33) H	TPH Range A as Propan...	6.000	8049126	9.987 ppmv
34) H	TPH Range B as Hexane #2	12.500	15248678	10.224 ppmv

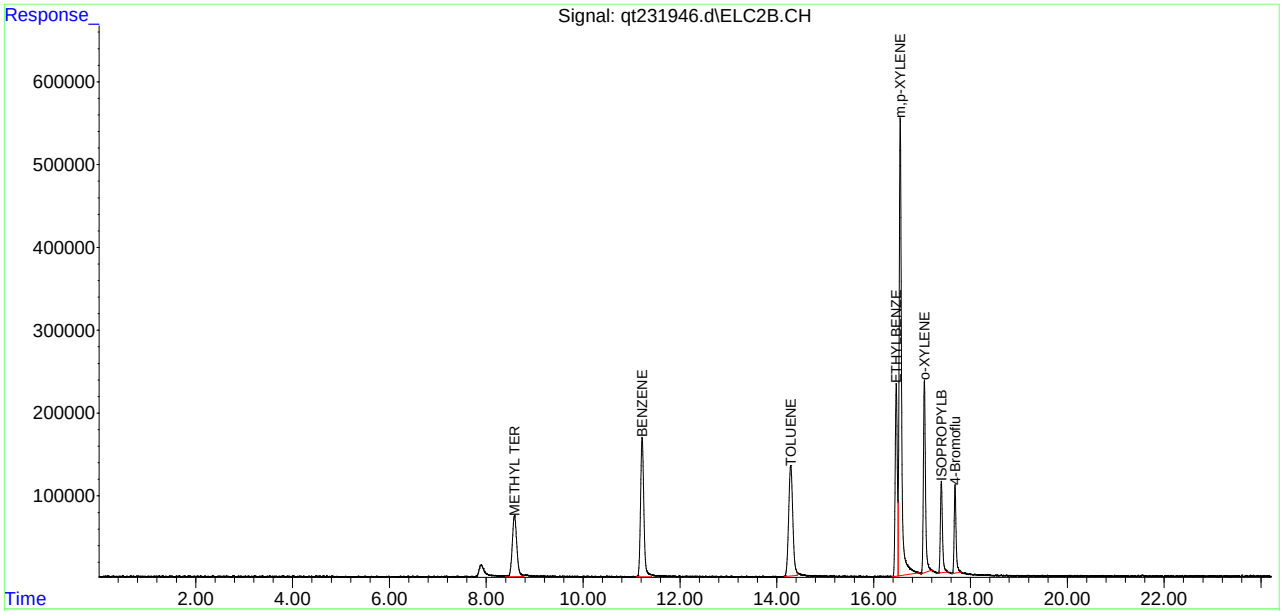
(f)=RT Delta > 1/2 Window (m)=manual int.

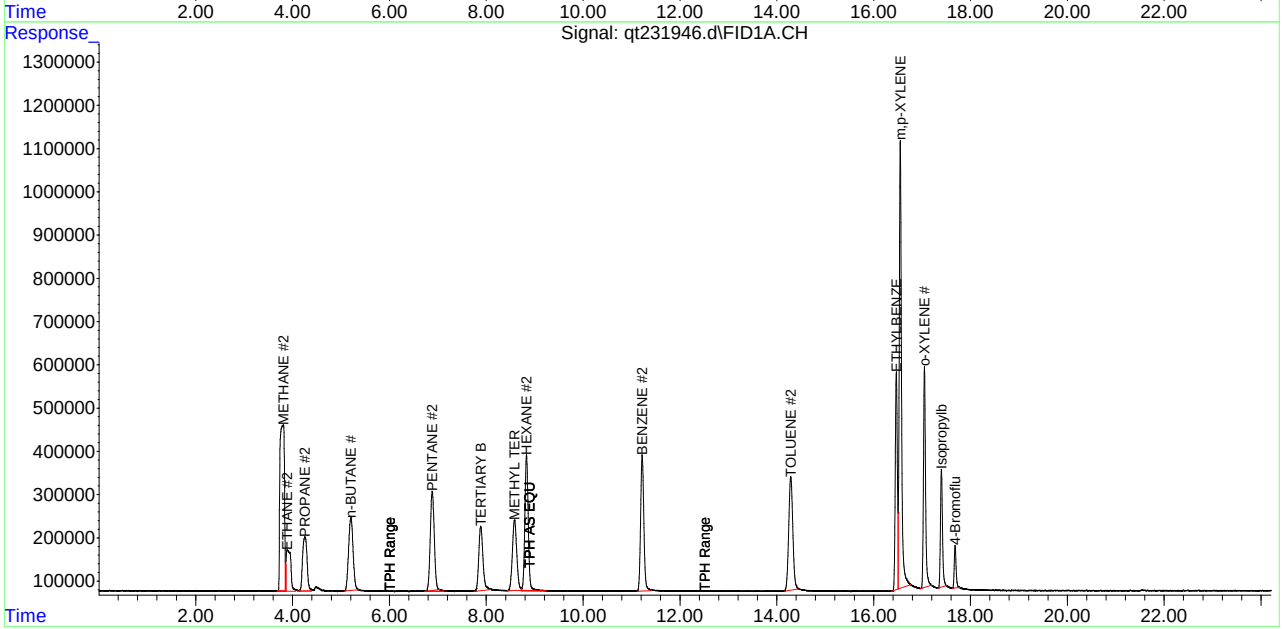
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231946.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 12:02:37
Operator : williamc
Sample : cc3114-10
Misc : GC64425,GQT3117,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:30:33 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 02/17/25 17:45

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231950.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 14:35:34
Operator : williamc
Sample : cc3114-5
Misc : GC64425,GQT3117,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:32:53 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.682	2767875	10.270 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	102.70%	
26) s	4-Bromofluorobenzene #2	17.683	2515065	9.671 PPMV
Spiked Amount	10.000 Range 59 - 135	Recovery =	96.71%	
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.584	2097648	4.660 PPMV
2)	BENZENE	11.218	3286644	4.199 PPMV
3)	TOLUENE	14.287	3423509	4.335 PPMV
4)	ETHYLBENZENE	16.467	2969780	4.416 PPMV
5)	m,p-XYLENE	16.550	8136491	9.210 PPMV
6)	o-XYLENE	17.048	2948851	4.345 PPMV
7)	ISOPROPYLBENZENE	17.399	1431748	2.035 PPMV
11)	METHANE #2	3.796	11068265	43.306 PPMV m
12)	ETHANE #2	3.888	2882367	4.492 PPMV
13)	PROPANE #2	4.255	3352312	4.158 PPMV
14)	n-BUTANE #2	5.200	4916814	4.432 PPMV
15)	PENTANE #2	6.884	5845939	4.580 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.886	3644789	4.061 PPMV
17)	METHYL TERTIARY BUTYL...	8.586	4430698	4.466 PPMV
18)	HEXANE #2	8.830	6633574	4.505 PPMV
19)	BENZENE #2	11.220	6364742	4.213 PPMV
20)	TOLUENE #2	14.288	6643424	4.316 PPMV
21)	ETHYLBENZENE #2	16.469	6439210	4.450 PPMV
22)	m,p-XYLENE #2	16.551	14704057	8.869 PPMV
23)	o-XYLENE #2	17.050	6407927	4.386 PPMV
24)	Isopropylbenzene #2	17.401	3668600	2.266 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	5875989	4.503 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	11004282	43.233 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	6679204	4.476 PPMV
30) H	TPH Range A as Methan...	6.000	11046071	43.163 ppmv
31) H	TPH Range A as Methan...	6.000	11033438	43.158 PPMV
32) H	TPH Range B as Pentan...	12.500	5922371	4.528 ppmv
33) H	TPH Range A as Propan...	6.000	3592002	4.457 ppmv
34) H	TPH Range B as Hexane #2	12.500	6661792	4.467 ppmv

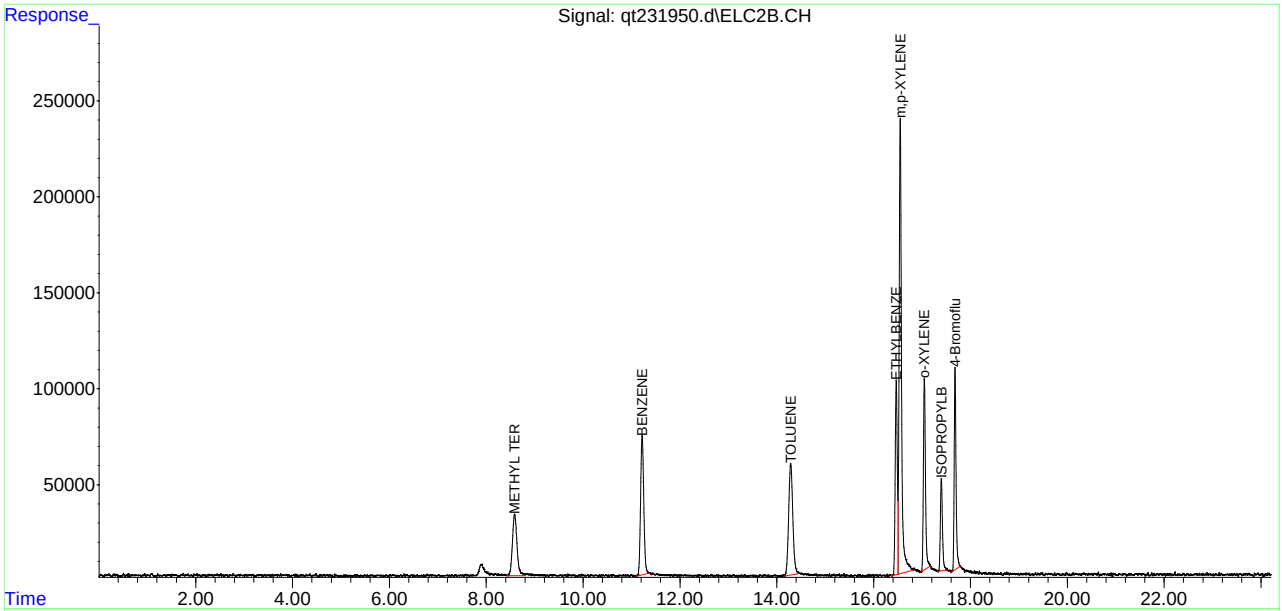
(f)=RT Delta > 1/2 Window (m)=manual int.

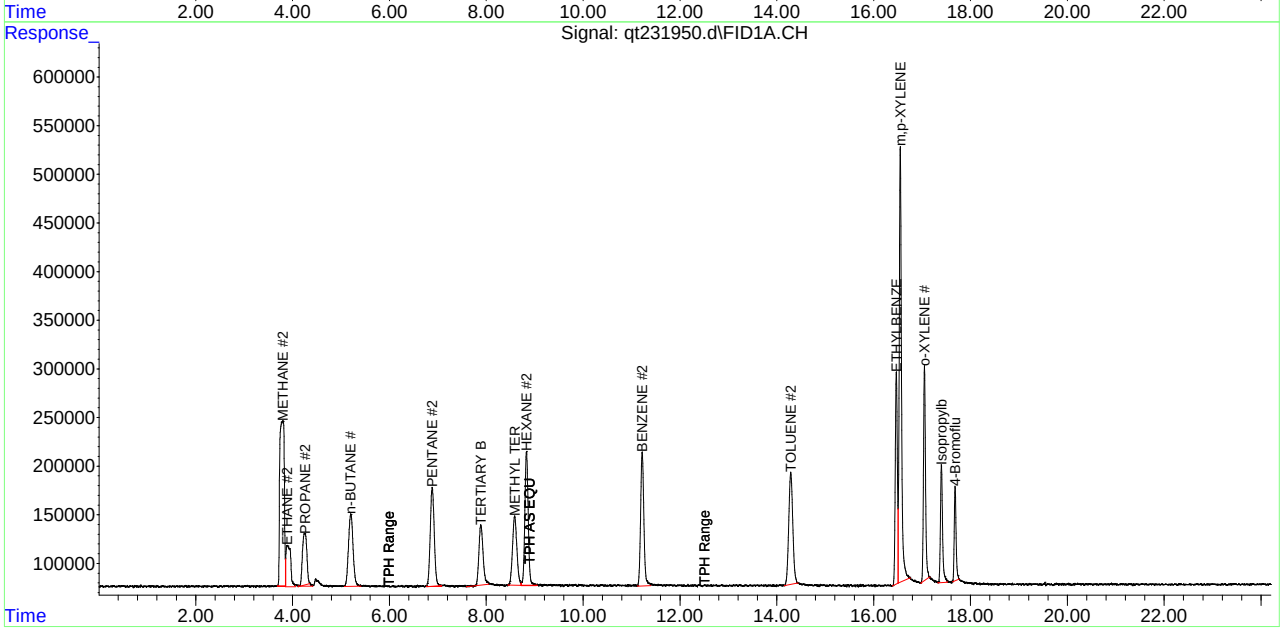
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231950.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 14:35:34
Operator : williamc
Sample : cc3114-5
Misc : GC64425,GQT3117,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:32:53 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





Manual Integration Approval Summary

Sample Number:	GQT3117-CC3114	**Method:**	EPA TO-3
Lab FileID:	QT231950.D	**Analyst approved:**	02/17/25 16:03 William Cruser
Injection Time:	02/14/25 14:35	**Supervisor approved:**	02/17/25 17:45 Kanya Veerawat

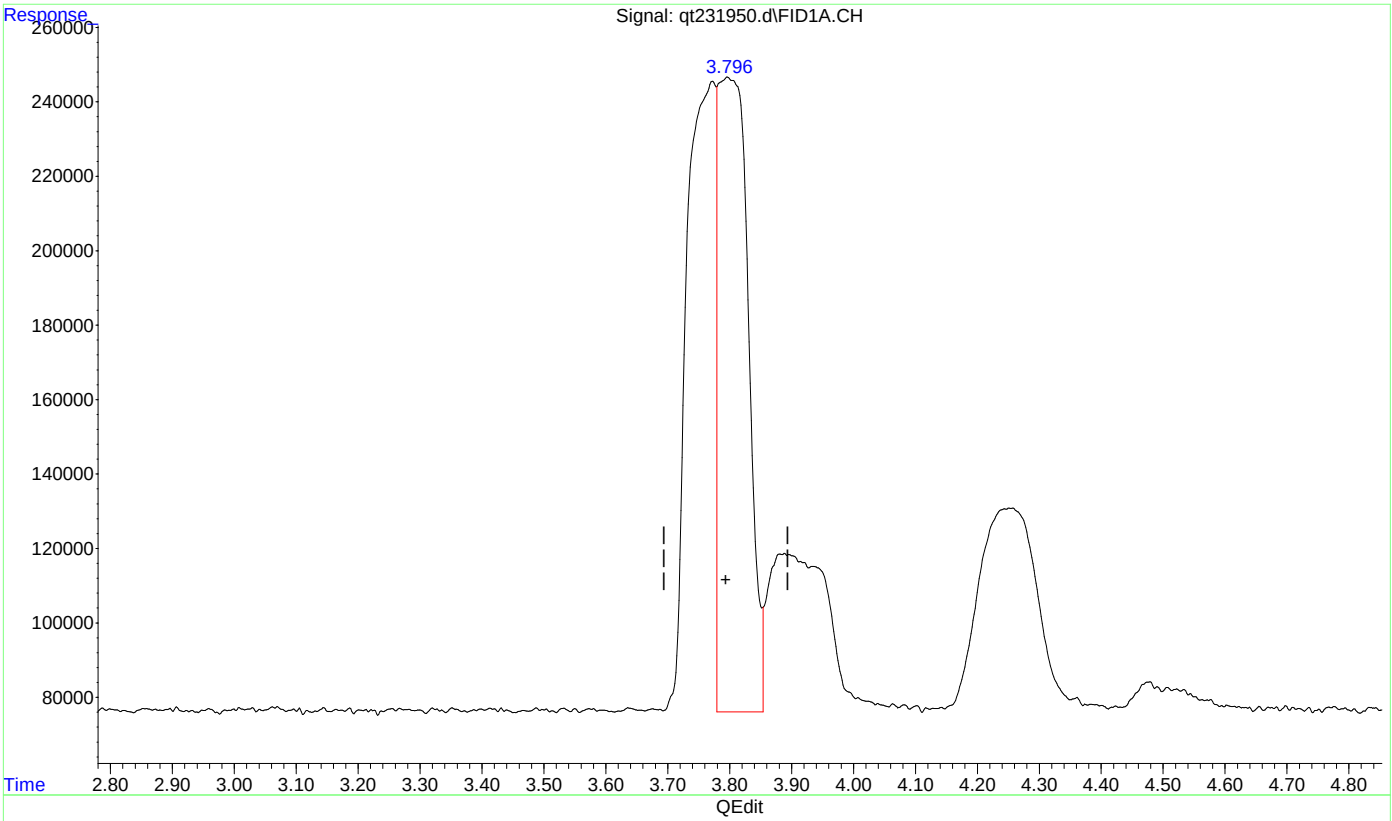
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	2	3.80	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231950.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 14:35:34
Operator : williamc
Sample : cc3114-5
Misc : GC64425,GQT3117,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 14:19:58 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(11) METHANE #2

3.797min 22.564 PPMV

response 5766951

(+) = Expected Retention Time
MQT3114.M Mon Feb 17 15:31:15 2025

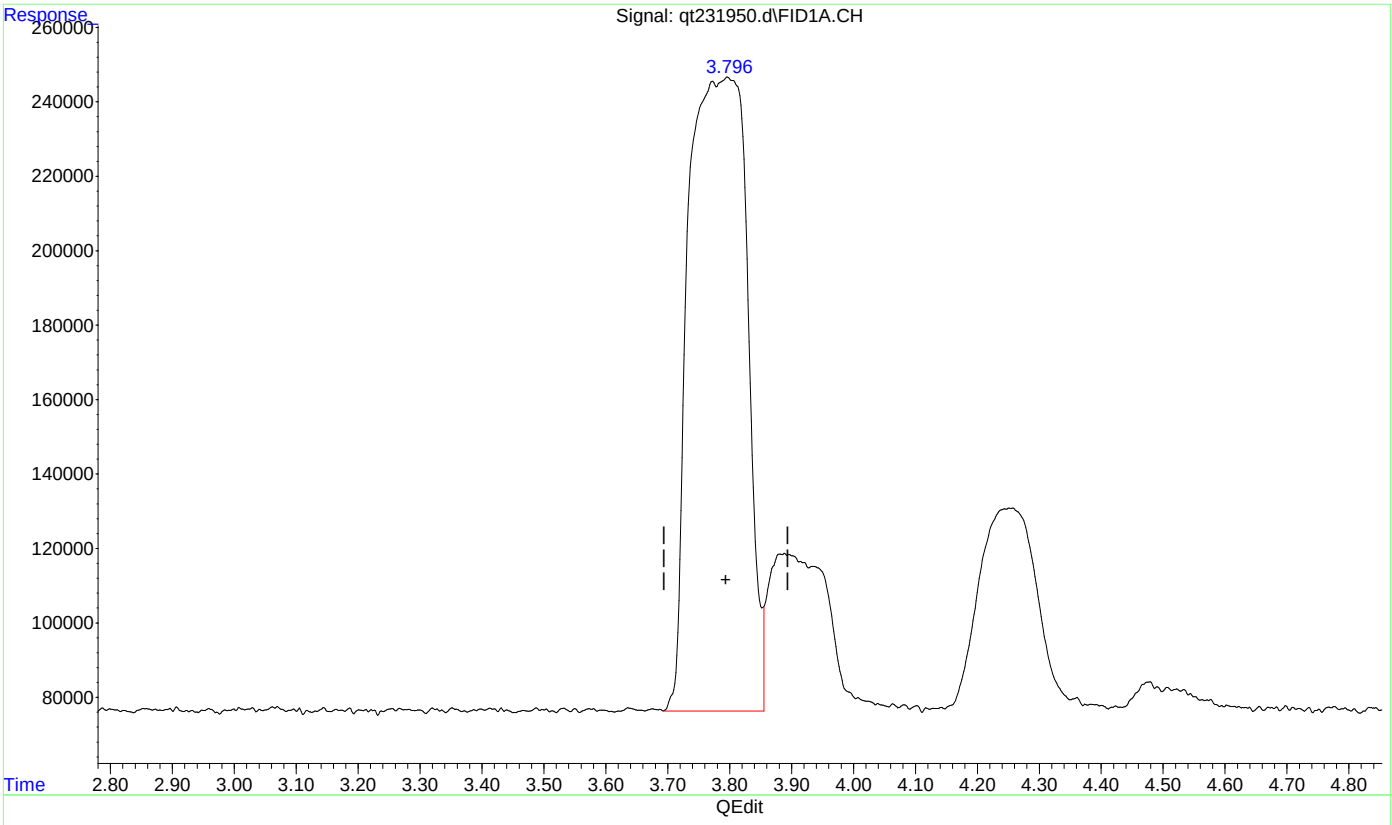
QT231950.D edits: METHANE #2

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : qt231950.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 14:35:34
Operator : williamc
Sample : cc3114-5
Misc : GC64425,GQT3117,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 14:19:58 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID



(11) METHANE #2

3.796min 43.306 PPMV m

response 11068265

(+) = Expected Retention Time
MQT3114.M Mon Feb 17 15:31:26 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231957.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 18:53:05
Operator : williamc
Sample : cc3114-10
Misc : GC64425,GQT3117,,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:46:06 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) s	4-Bromofluorobenzene	17.681	2907429	10.788 PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	107.88%
26) s	4-Bromofluorobenzene #2	17.683	2686263	10.330 PPMV
Spiked Amount	10.000	Range 59 - 135	Recovery =	103.30%
	Target Compounds			
1)	METHYL TERTIARY BUTYL...	8.579	4769610	10.597 PPMV
2)	BENZENE	11.217	7821239	9.992 PPMV
3)	TOLUENE	14.286	8019484	10.155 PPMV
4)	ETHYLBENZENE	16.467	6905813	10.270 PPMV
5)	m,p-XYLENE	16.549	19128607	21.653 PPMV
6)	o-XYLENE	17.048	6920925	10.198 PPMV
7)	ISOPROPYLBENZENE	17.399	3269802	4.647 PPMV
11)	METHANE #2	3.795	24789624	96.993 PPMV
12)	ETHANE #2	3.882	6430636	10.022 PPMV
13)	PROPANE #2	4.250	8091753	10.036 PPMV
14)	n-BUTANE #2	5.198	11066117	9.974 PPMV
15)	PENTANE #2	6.881	13129016	10.287 PPMV
16)	TERTIARY BUTYL ALCOHO...	7.882	9005964	10.034 PPMV
17)	METHYL TERTIARY BUTYL...	8.580	10409528	10.492 PPMV
18)	HEXANE #2	8.828	15319952	10.404 PPMV
19)	BENZENE #2	11.218	14363260	9.506 PPMV
20)	TOLUENE #2	14.288	15410651	10.011 PPMV
21)	ETHYLBENZENE #2	16.468	14848340	10.261 PPMV
22)	m,p-XYLENE #2	16.550	33784911	20.378 PPMV
23)	o-XYLENE #2	17.049	15173925	10.385 PPMV
24)	Isopropylbenzene #2	17.400	8347364	5.155 PPMV
27) H	TPH AS EQUIV PENTANE #2	8.900	13443669	10.302 PPMV
28) H	TPH AS EQUIV METHANE #2	8.900	24851637	97.635 PPMV
29) H	TPH AS EQUIV HEXANE #2	8.900	15454478	10.357 PPMV
30) H	TPH Range A as Methan...	6.000	25043856	97.860 ppmv
31) H	TPH Range A as Methan...	6.000	24611864	96.270 PPMV
32) H	TPH Range B as Pentan...	12.500	13541265	10.352 ppmv
33) H	TPH Range A as Propan...	6.000	8063009	10.004 ppmv
34) H	TPH Range B as Hexane #2	12.500	15227097	10.209 ppmv

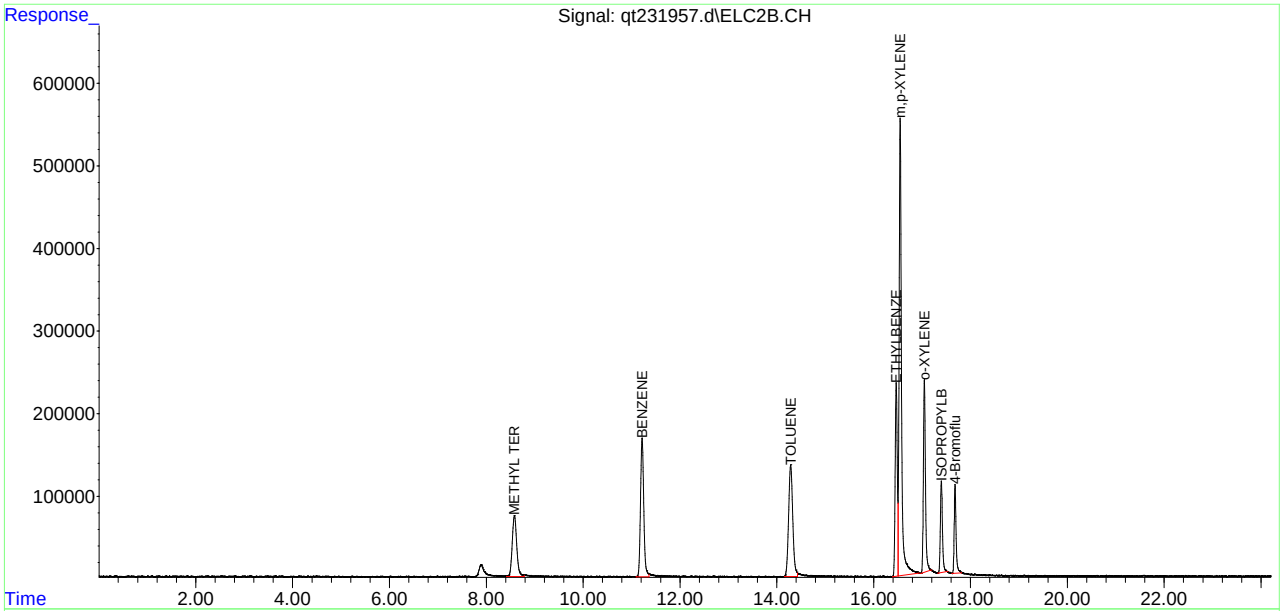
(f)=RT Delta > 1/2 Window (m)=manual int.

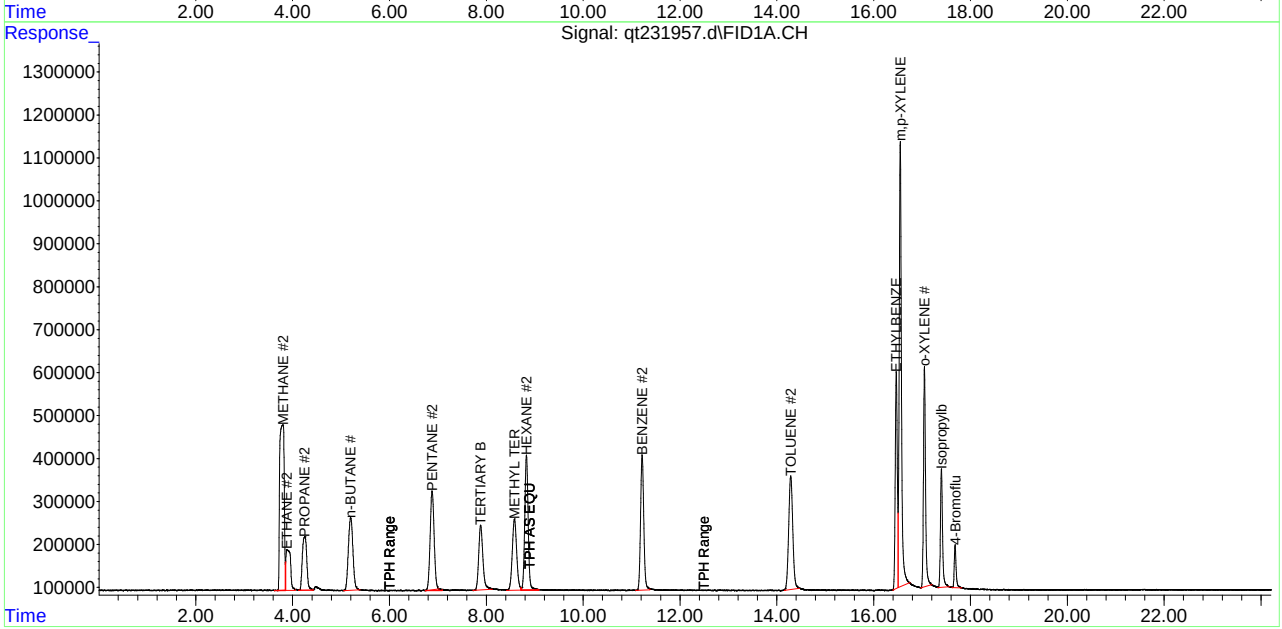
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : qt231957.d
Signal(s) : Signal #1: ELC2B.CH Signal #2: FID1A.CH
Acq On : 14-Feb-25, 18:53:05
Operator : williamc
Sample : cc3114-10
Misc : GC64425,GQT3117,,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 17 15:46:06 2025
Quant Method : C:\msdchem\1\METHODS\MQT3114.M
Quant Title : TO3 by GCPID/FIDw/Rtx502.2,105m X 0.53mm ID X 3um
QLast Update : Tue Jan 28 11:46:47 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0 CC
Signal #1 Phase : RTX502.2 105 M. x Signal #2 Phase: RTX502.2 105 M. x .53 mm. I.D. 3.0 uM DF
Signal #1 Info : PID Signal #2 Info : FID





TO-3 ANALYSIS by GC-FID/PID LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration**
4-BFB	a961	AS10512	12/2/2025	100ppmv
TO3 STD	a772	AS10554	2/22/2025	10ppmv
TO3 STD	a370	AS10555	2/22/2025	5ppmv
TO3 BS	A082	AS10556	2/22/2025	10ppmv
TO3 STD	a034	AS10557	2/22/2025	1.0ppmv
TO3 STD	a734	AS10558	2/22/2025	0.5ppmv
TO3 STD	m133	AS10559	2/22/2025	0.1ppmv
TO3 STD	a666	AS10560	2/22/2025	0.05ppmv
TO3 STD	a1011	AS10482	10/1/2025	100ppmv

Batch ID: **GQT3114**
Date: **1/24/2025**
Laboratory Analyst: **William Cruser**
Columns: Rtx-502.2: 105m x 0.53mm x 3um
GC Method: BTEX3.M
Sequence File: QT20250124.s
Initial Calibration Method: MQT3114.M
Concentrator Method: QT-TO3.7650LX.LX
Data Validator: **William Cruser**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	GC Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	Tedlar Bag	Surrogate Areas	STATUS	COMMENTS
c9	ib	qt231860			a962	1.0					
d3	ic3113-0.05	qt231861			a666	1.0			√	OK	
d4	ic3113-0.1	qt231862			m133	1.0			√	OK	
d5	ic3113-0.5	qt231863			a734	1.0			√	OK	
d6	ic3113-1.0	qt231864			a034	1.0			√	OK	
d7	ic3113-5	qt231865			a370	1.0			√	OK	
d9	icc3113-10	qt231866			a772	1.0			√	OK	
d1	ic3113-100	qt231867			a1011	1.0			√	OK	
d8	icv3113-10	qt231868			a082	1.0			√	OK	

TO-3 ANALYSIS by GC-FID/PID LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration**
4-BFB	a961	AS10512	12/2/2025	100ppmv
TO3 STD	a772	AS10554	2/22/2025	10ppmv
TO3 STD	a370	AS10555	2/22/2025	5ppmv
TO3 BS	A082	AS10556	2/22/2025	10ppmv
TO3 STD	a034	AS10557	2/22/2025	1.0ppmv
TO3 STD	a734	AS10558	2/22/2025	0.5ppmv
TO3 STD	m133	AS10559	2/22/2025	0.1ppmv
TO3 STD	a666	AS10560	2/22/2025	0.05ppmv
TO3 STD	a1011	AS10482	10/1/2025	100ppmv

Batch ID: **GQT3117**
Date: **2/14/2025**
Laboratory Analyst: **William Cruser**
Columns: Rtx-502.2: 105m x 0.53mm x 3um
GC Method: BTEX3.M
Sequence File: QT20250214.s
Initial Calibration Method: MQT3114.M
Concentrator Method: QT-TO3.7650LX.LX
Data Validator: **William Cruser**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	GC Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	Tedlar Bag	Surrogate Areas	STATUS	COMMENTS
d7	cc3114-5	qt231941			a370	1.0			√	OK	
d8	bs	qt231942			a082	1.0			√	OK	
c9	mb	qt231943			a962	1.0			√	OK	
b1	je5634-1	qt231944	GC64425	TPH	tbag	1.0	1	√	√	OK	
b1	je5634-1dup	qt231945	GC64425	TPH	tbag	1.0	1	√	√	OK	
d9	cc3114-10	qt231946			a772	1.0			√	OK	
b2	je5624-1	qt231947	GC64425	BTXMTPH	tbag	1.0	1	√	√	OK	
b3	je5624-2	qt231948	GC64425	BTXMTPH	tbag	1.0	1	√	√	OK	
b4	je5624-3	qt231949	GC64425	BTXMTPH	tbag	1.0	1	√	√	OK	
d7	cc3114-5	qt231950			a370	1.0			√	OK	
c1	je5543-1	qt231951	GC64417	CH4	a1686	1.0	1.45		√	OK	
c1	je5543-1dup	qt231952	GC64417	CH4	a1686	1.0	1.45		√	OK	
c2	je5543-2	qt231953	GC64417	CH4	a1329	1.0	1.43		√	OK	
c3	je5543-3	qt231954	GC64417	CH4	a1647	1.0	1.65		√	OK	
c4	je5543-4	qt231955	GC64417	CH4	a1632	1.0	1.75		√	OK	
d5	je5543-5	qt231956	GC64417	CH4	a1763	1.0	1.52		√	OK	
d9	cc3114-10	qt231957			a772	1.0			√	OK	
b5	je5688-1	qt231958	GC64425	BTXMTPHF	tbag	1.0	1	√	√	OK	
b6	je5688-2	qt231959	GC64425	BTXMTPHF	tbag	1.0	1	√	√	OK	
b7	je5688-3	qt231960	GC64425	BTXMTPHF	tbag	1.0	1	√	√	OK	
b8	je5688-4	qt231961	GC64425	BTXMTPHF	tbag	1.0	1	√	↑	OK/RR	
b9	je5688-5	qt231962	GC64425	BTXMTPHF	tbag	1.0	1	√	↑	OK/RR	
d7	cc3114-5	qt231963			a370	1.0			√	OK	
b10	je5688-6	qt231964	GC64425	BTXMTPHF	tbag	1.0	1	√	√	OK	
b1	je5688-7	qt231965	GC64425	BTXMTPHF	tbag	1.0	1	√	√	OK	
b2	je5688-8	qt231966	GC64425	BTXMTPHF	tbag	1.0	1	√	√	OK	
d9	cc3114-10	qt231967			a772	1.0			√	OK	

TO-3 ANALYSIS by GC-FID/PID LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration**
4-BFB	a961	AS10512	12/2/2025	100ppmv
TO3 STD	a772	AS10554	2/22/2025	10ppmv
TO3 STD	a370	AS10555	2/22/2025	5ppmv
TO3 BS	A082	AS10556	2/22/2025	10ppmv
TO3 STD	a034	AS10557	2/22/2025	1.0ppmv
TO3 STD	a734	AS10558	2/22/2025	0.5ppmv
TO3 STD	m133	AS10559	2/22/2025	0.1ppmv
TO3 STD	a666	AS10560	2/22/2025	0.05ppmv
TO3 STD	a1011	AS10482	10/1/2025	100ppmv

Batch ID: **GQT3117**
Date: **2/14/2025**
Laboratory Analyst: **William Cruser**
Columns: Rtx-502.2: 105m x 0.53mm x 3um
GC Method: BTEX3.M
Sequence File: QT20250214.s
Initial Calibration Method: MQT3114.M
Concentrator Method: QT-TO3.7650LX.LX
Data Validator: **William Cruser**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Canisters Pressurization/Dilution Log							
Date	**INITIAL**	**Sample ID**	**Canister ID**	**Initial Vacuum (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**COMMENTS**
2/14/2025	wc	je5543-1	a1686	7.5	1.3	1.45	
2/14/2025	wc	je5543-2	a1329	7.0	1.3	1.43	
2/14/2025	wc	je5543-3	a1647	10.5	1.0	1.65	
2/14/2025	wc	je5543-4	a1632	8.5/2.0	1.3/1.1	1.75	
2/14/2025	wc	je5543-5	a1763	8.5	1.3	1.52	