

VIA EMAIL

July 22, 2025

Mr. Robert Bellotti
Project Manger
NYSDEC - DER Remedial Bureau A
625 Broadway, 12th Floor
Albany, NY 12233

Re: **Soil Vapor Intrusion Sampling Report-Revised**
Former Tiffen Manufacturing Facility
NYSDEC Site No. C130239
41-71 Jane Street, Roslyn Heights, NY

Dear Mr. Bellotti,

FPM Group (FPM) is hereby transmitting the results of the soil vapor intrusion (SVI) sampling conducted on January 29, 2025 for the above-referenced. This transmittal has been revised to address comments provided in NYSDECs May 2, 2025 correspondence. SVI sampling was conducted in accordance with our November 18, 2024 NYSDEC-approved SVI workplan. The site was redeveloped between 2021 and 2023 with a self-storage facility. A site plan showing the SVI sampling locations is included as Figure 1.

This transmittal includes a copy of the SVI lab data and the associated Data Usability Summary Report (Attachment A), a building inventory (Attachment B), summary data tables, and a site plan showing the sampling locations. We have also included a discussion of the procedures and results and our recommendation.

Soil Vapor Intrusion Sampling and Results

The indoor air samples (IA-E, IA-F, IA-G, IA-H) were collected from a height of approximately four feet above the building slab and the outdoor ambient air sample was collected outside of the building in a similar manner as the indoor air samples. Sub-slab soil vapor samples SV-E, SV-F and SV-G were collected from the previously installed RI monitoring points, SS-09A, SS-03A, and SS-07A, respectively. Sub slab soil vapor sampling point SV-H, was installed prior to the SVI testing in accordance with NYSDOH guidance.

Soil vapor samples SV-A, SV-B, SV-C and SV-D were collected from sampling points along the eastern perimeter of the property as shown in Figure 1. The soil vapor sampling points were installed approximately 24-hours prior to the testing utilizing direct-push equipment to a depth of 10 feet below grade. A 6-inch stainless steel implant was installed to the depth of the boring and extended to grade with polyethylene tubing. The annular space from the depth of the boring to a height of approximately 6 inches above the implant was filled with glass beads. The remaining annular space was filled with a bentonite slurry to grade in general accordance with NYSDOH guidance.

Prior to sampling the sub-slab soil vapor and soil vapor locations were purged and the seal integrity was tested with an inert gas (helium) in accordance with NYSDOH guidance. The air and sub-slab soil vapor

samples were co-located and collected in laboratory-provided Summa canisters equipped with flow controllers in accordance with NYSDOH guidance. The soil vapor samples also collected in laboratory-provided Summa canisters equipped with flow controllers in accordance with NYSDOH guidance. The flow controllers for all samples were set by the laboratory for an approximately eight-hour period, comparable to typical building occupancy. Filled canisters were managed under chain-of-custody procedures and transmitted to a NYSDOH-certified lab for analysis of volatile organic compounds (VOCs) using TO-15 lower detection limits. The sub-slab/soil vapor samples were analyzed for VOCs with standard level detection limits by Method TO-15.

A building inventory was completed during the course of the sampling event to document the construction, HVAC system operations, and the potential presence of VOC sources in the building. No obvious sources of VOC were identified; with the exception of some containers of sanitizer and other cleaning products, it is noted that the individual storage units were not accessible for inspections at the time of the SVI testing. The completed building inventory form is included in Attachment B.

Quality assurance/quality control (QA/QC) procedures were implemented and a chain of custody to document the sequence of sample possession, and collection and analysis of a duplicate sample for QA/QC. In addition, the laboratory utilized internal QA/QC procedures and samples to confirm that the laboratory data are of sufficient accuracy and precision for their intended use.

Following receipt of the chemical analytical data, the data package and associated QA/QC sample results were evaluated and a DUSR was prepared. The DUSR is included in Attachment A and did not identify any significant data usability issues.

Indoor Air and Sub-Slab Soil Vapor Sample Results

The data are summarized in Table 1 and sub-slab soil vapor sample results were evaluated in accordance with NYSDOH Guidance Matrices. The data for detections of NYSDOH matrix compounds is also summarized on Tables 2 and 3. Our review of these data indicates the following:

- Several VOCs for which the NYSDOH provides guidance (PCE, trichloroethylene or TCE, 1,1,1-trichloroethylene or 1,1,1-TCA, carbon tetrachloride or CT, naphthalene, toluene, benzene, 1,3,5-trimethylbenzene, cyclohexane, ethylbenzene, heptane, hexane, isooctane, m,p-xylene, and o-xylene) were detected in one or more of the samples.
- PCE was noted to be at very low concentrations in the indoor air and well below its air guidance value. PCE concentrations in sub-slab soil vapor samples were noted to be at generally low concentrations with a maximum concentration of 31.1 $\mu\text{g}/\text{m}^3$ at SV-G
- TCE was noted to be present in the indoor air samples at low concentrations and below its air guidance value. TCE was noted to be present in the sub-slab soil vapors location, at a generally low concentrations with the exception of location SV-G which had a concentration of 396 $\mu\text{g}/\text{m}^3$.
- 1,1,1-TCA was noted to be at low concentrations in one of the sub-slab soil vapor samples and was not detected in any of the indoor air samples.
- CT was noted at very low concentrations in each of the indoor air samples and also the outdoor ambient air sample. CT was not noted in any of the sub-slab locations which indicates that CT concentrations are related to outdoor air conditions in the site vicinity and not a concern for the Site.
- Benzene, cyclohexane, ethylbenzene, isooctane, naphthalene, 1,3,5-trimethylbenzene and o-xylene were detected in one or more of the indoor air and/or sub-slab soil vapor samples at generally low concentrations. No concentrations suggestive of an SVI concern were noted.

- Heptane, hexane and m,p- were detected in one or more of the indoor air and/or sub-slab soil vapor samples at generally low concentrations. No concentrations suggestive of an SVI concern were noted.
- Toluene was detected in the indoor air and sub-slab soil vapor samples at generally low concentrations. No concentrations suggestive of an SVI concern were noted.
- Several other VOCs were detected in the indoor air samples and were generally within the ranges of indoor air background concentrations for commercial buildings. Ambient air VOC concentrations were noted to be low or non-detect.

Soil Vapor Sample Results

The soil vapor sampling data are summarized in Table 2 and were generally compared to the air and sub slab soil vapor data as the NYSDOH has no established standards, criteria or guidance for directly evaluating soil gas. Our review of these data indicates the following:

- Several VOCs including petroleum, chlorinated and refrigerants compounds were noted in one or more of the soil vapor samples. In general, the majority of the VOCs detected in the soil vapor samples were detected at concentrations commonly found in residential and commercial air samples (US EPA BASE Study 2001). TCE, which is a compound of concern for the Site was noted in one of the samples, SV-B, at a concentration of 1.40 µg/m³ this compound is noted to be within the range of concentrations observed in the US EPA BASE Study. TCE nor any other chlorinated VOCs were detected in the soil vapor samples SV-A, SV-C or SV-D.

Conclusions and Recommendations

Based on the SVI investigation data, we have the following conclusions:

- The sampling results were evaluated with respect to NYSDOH guidance and indicate that that a response of “no further action” was noted for all compounds for which NYSDOH provides guidance with the exception of TCE which was noted to only be elevated concentration at the SV-G sub-slab soil vapor location, but below its respective air guidance concentration at all indoor air sampling locations.
- Based upon the SVI testing results we are currently evaluating several options to address the elevated concentration of TCE at the SV-G sub-slab soil vapor location. The proposed option shall be presented and discussed in the Remedial Action Report.

Feel free to contact me with any questions.

Very truly yours,



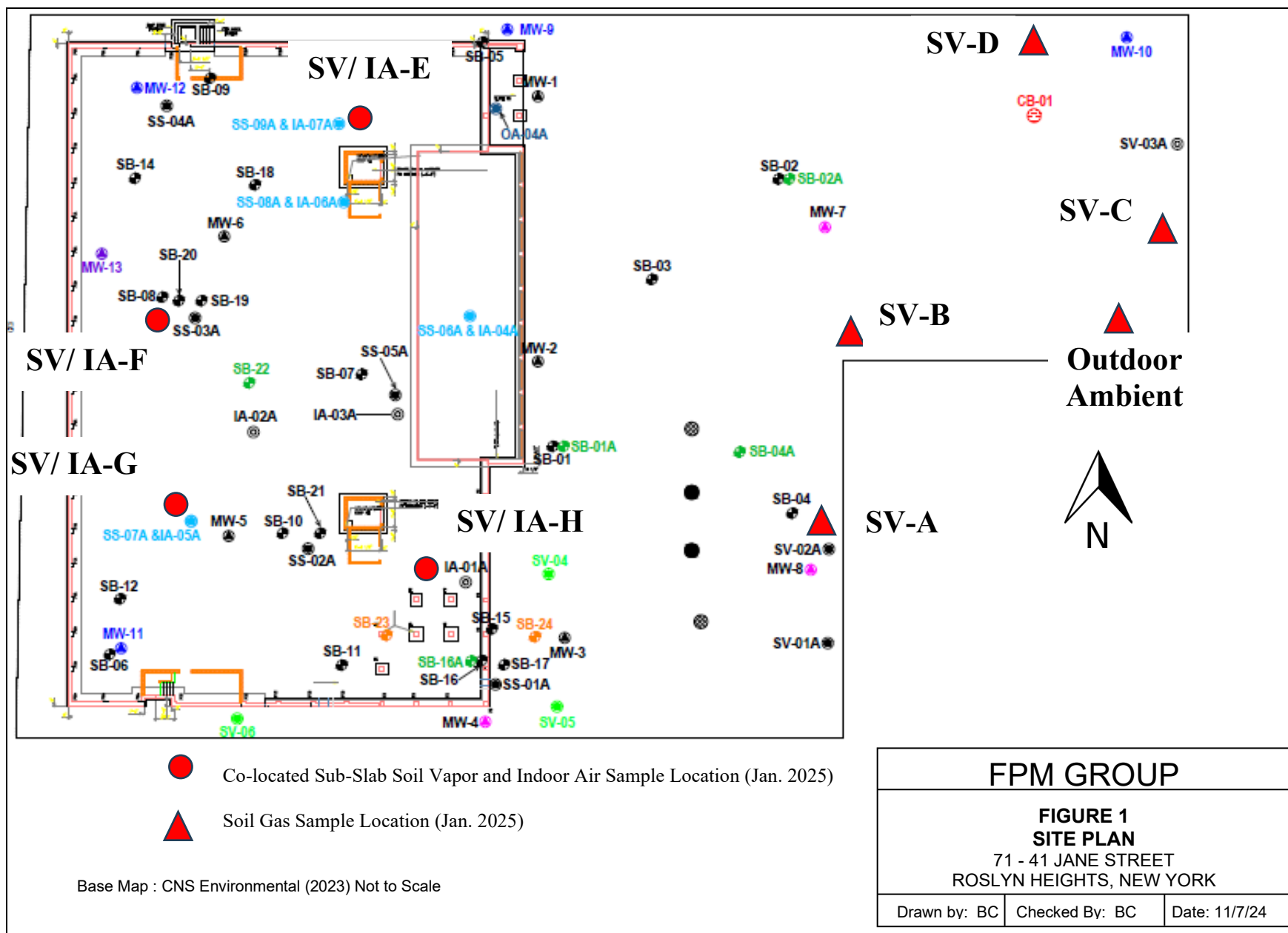
Ben T. Cancemi, PG
Senior Hydrogeologist
Department Manager

BTC:btc

Attachments

cc: James Rigano, Esq.
Brad Blumenfeld

S:\Rigano LLC\Jane Street Site\SVI\SVI Sampling 2025\report.BCP.C130239.2025-05-XX.Jan 2025 SVI Investigation-revised072225.docx



[illegible]

Site map of the former Borden Superfund site. The map shows the location of various monitoring wells (MW-1 through MW-5) and recovery wells (SB-01 through SB-24). Contaminants are indicated by colored dots and labels: SS-06A & IA-04A (blue), SB-01 (black), SB-01A (green), SV-04 (green), IA-01A (red), SB-15 (black), SB-16 (blue), SB-16A (green), SB-17 (black), SS-01A (blue), MW-3 (black), MW-4 (pink), SV-05 (green), and SB-24 (orange). The map also shows the location of various chemicals listed in the legend: Volatile Organics, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Benzene, Carbon Tetrachloride, Cyclohexane, Ethylbenzene, Heptane, Hexane, Isooctane, m,p-Xylene, Naphthalene, o-Xylene, Tetrachloroethene, Toluene, and Trichloroethene.



SV-B

Sample No.	SV-H	IA-H
Sample Type	SUBSLAB SOIL VAPOR	INDOOR AIR
Sample Date	January 29, 2025	
Compounds in ug/m ³		
Benzene	28.8	< 1.00
Benzene	7.66	< 1.00
	12.3	1.02
Acetone	< 1.00	0.5
	9.91	< 1.00
	30.8	< 1.00
	13.9	1.79
	8.52	2.11
	5.5	2.23
	98.1	2.81
	< 5.23	2.39
	32.7	< 1.00
	5.19	0.39
	62.9	6.21
	4.16	0.77

Jan. 2025)	INDOOR R Drawn by:

FIGURE 2
INDOOR AIR AND SUB-SLAB SOIL VAPOR
71 - 41 JANE STREET
ROSLYN HEIGHTS, NEW YORK

Drawn by: BC	Checked By: BC	Date: 05/20/25

 Co-located Sub-Slab Soil Vapor and Indoor Air Sample Location (Jan. 2025)
 Soil Gas Sample Location (Jan. 2025)

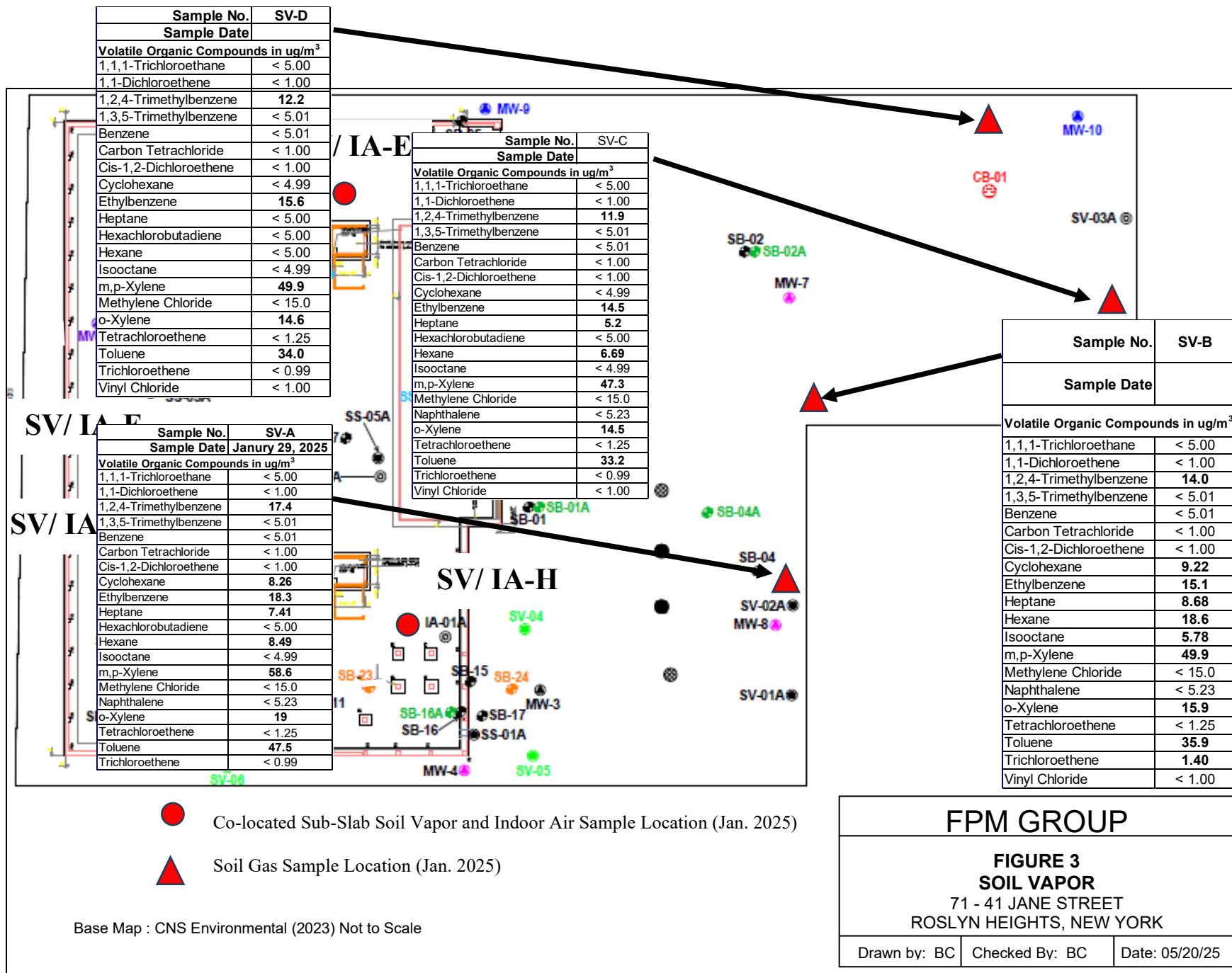


TABLE 1
AIR AND SUB-SLAB SOIL VAPOR SAMPLING RESULTS
41-71 JANE STREET
ROSYLN HEIGHTS, NEW YORK

Sample No.	SV-E	IA-E	SV-F	IA-F	SV-G	IA-G	SV-H	IA-H	Ambient
Sample Type	SUBSLAB SOIL VAPOR	INDOOR AIR	SUBSLAB SOIL VAPOR	INDOOR AIR	SUBSLAB SOIL VAPOR	INDOOR AIR	SUBSLAB SOIL VAPOR	INDOOR AIR	OUTDOOR AIR
Sample Date	January 29, 2025								
Volatile Organic Compounds in ug/m ³									
1,1,1,2-Tetrachloroethane	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
1,1,1-Trichloroethane	< 5.00	< 1.00	< 5.00	< 1.00	8.4	< 1.00	< 5.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
1,1,2-Trichloroethane	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
1,1-Dichloroethane	< 5.02	< 1.00	< 5.02	< 1.00	< 5.02	< 1.00	< 5.02	< 1.00	< 1.00
1,1-Dichloroethene	< 1.00	< 0.20	< 1.00	< 0.20	< 1.00	< 0.20	< 1.00	< 0.20	< 0.20
1,2,4-Trichlorobenzene	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
1,2,4-Trimethylbenzene	< 5.01	< 1.00	18.9	< 1.00	12.1	< 1.00	28.8	< 1.00	< 1.00
1,2-Dibromoethane(EDB)	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
1,2-Dichlorobenzene	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
1,2-Dichloroethane	< 5.02	< 1.00	< 5.02	< 1.00	< 5.02	< 1.00	< 5.02	< 1.00	< 1.00
1,2-dichloropropane	< 4.99	< 1.00	< 4.99	< 1.00	< 4.99	< 1.00	< 4.99	< 1.00	< 1.00
1,2-Dichlorotetrafluoroethane	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
1,3,5-Trimethylbenzene	< 5.01	< 1.00	5.45	< 1.00	7.91	< 1.00	7.66	< 1.00	< 1.00
1,3-Butadiene	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
1,3-Dichlorobenzene	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
1,4-Dichlorobenzene	< 5.00	1.19	< 5.00	1.07	< 5.00	1.29	< 5.00	< 1.00	< 1.00
1,4-Dioxane	< 5.01	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	12.7	< 1.00	< 1.00
2-Hexanone(MBK)	< 4.99	< 1.00	6.39	< 1.00	< 4.99	< 1.00	9.13	< 1.00	< 1.00
4-Ethyltoluene	< 5.01	< 1.00	19.8	< 1.00	5.26	< 1.00	31.3	< 1.00	< 1.00
4-Isopropyltoluene	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
4-Methyl-2-pentanone(MIBK)	81.5	< 1.00	7.98	< 1.00	37.4	< 1.00	10.4	< 1.00	< 1.00
Acetone	114	31.1	1,930	32.8	677	28.7	2,610	32	5.96
Acrylonitrile	< 5.01	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	< 1.00
Benzene	< 5.01	1.06	37.7	1.09	< 5.01	1.02	12.3	1.02	< 1.00
Benzyl chloride	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
Bromodichloromethane	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
Bromoform	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
Bromomethane	< 5.01	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	< 1.00
Carbon Disulfide	< 5.01	< 1.00	32.7	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	< 1.00
Carbon Tetrachloride	< 1.00	0.52	< 1.00	0.54	< 1.00	0.52	< 1.00	0.5	0.48
Chlorobenzene	< 5.01	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	< 1.00
Chloroethane	< 5.01	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	< 1.00
Chloroform	< 4.98	< 1.00	< 4.98	< 1.00	5.86	< 1.00	< 4.98	< 1.00	< 1.00
Chloromethane	< 4.99	1.38	< 4.99	1.36	< 4.99	1.32	< 4.99	1.27	1.07
Cis-1,2-Dichloroethene	< 1.00	< 0.20	< 1.00	< 0.20	< 1.00	< 0.20	< 1.00	< 0.20	< 0.20
Cis-1,3-Dichloropropene	< 4.99	< 1.00	< 4.99	< 1.00	< 4.99	< 1.00	< 4.99	< 1.00	< 1.00
Cyclohexane	< 4.99	< 1.00	< 4.99	< 1.00	< 4.99	< 1.00	9.91	< 1.00	< 1.00
Dibromochloromethane	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
Dichlorodifluoromethane	< 4.99	2.21	< 4.99	2.45	< 4.99	2.21	< 4.99	2.44	2.14
Ethanol	49.7	89.3	137	86.1	63.5	79.5	267	1,160	5.89
Ethyl acetate	< 5.01	1.37	< 5.01	1.64	< 5.01	1.25	< 5.01	1.73	< 1.00
Ethylbenzene	< 4.99	< 1.00	23.1	< 1.00	< 4.99	< 1.00	30.8	< 1.00	< 1.00
Heptane	< 5.00	1.31	15.7	1.34	< 5.00	1.29	13.9	1.79	< 1.00
Hexachlorobutadiene	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
Hexane	< 5.00	2.05	8.00	2.11	< 5.00	1.91	8.52	2.11	< 1.00
Isooctane	< 4.99	2.25	7.27	2.6	< 4.99	2.05	5.5	2.23	< 1.00
Isopropylalcohol	16.6	15.6	23.7	16.7	20.5	16.0	57.5	80.6	< 1.00
Isopropylbenzene	< 5.01	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	< 1.00
m,p-Xylene	< 4.99	2.53	60.8	2.62	7.9	2.64	98.1	2.81	< 1.00
Methyl Ethyl Ketone	12.9	2.69	89.9	2.68	23.5	2.43	98.4	2.67	1.07
Methyl tert-butyl ether(MTBE)	< 5.01	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	< 5.01	< 1.00	< 1.00
Methylene Chloride	< 15.0	< 3.00	< 15.0	< 3.00	< 15.0	< 3.00	< 15.0	< 3.00	< 3.00
Naphthalene	< 5.23	1.43	< 5.23	< 1.05	< 5.23	2.30	< 5.23	2.39	< 1.05
n-Butylbenzene	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
o-Xylene	< 4.99	< 1.00	20.8	< 1.00	< 4.99	< 1.00	32.7	< 1.00	< 1.00
Propylene	< 5.01	< 1.00	7.46	< 1.00	< 5.01	< 1.00	8.89	< 1.00	< 1.00
sec-Butylbenzene	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
Styrene	< 4.98	< 1.00	5.15	< 1.00	< 4.98	< 1.00	< 4.98	< 1.00	< 1.00
Tetrachloroethene	6.78	0.38	2.3	0.37	31.1	0.36	5.19	0.39	< 0.25
Tetrahydrofuran	< 5.01	1.89	31.2	1.83	12.3	1.53	< 5.01	1.35	< 1.00
Toluene	5.84	5.54	50.1	6.25	7.98	5.50	62.9	6.21	< 1.00
Trans-1,2-Dichloroethene	< 4.99	< 1.00	< 4.99	< 1.00	< 4.99	< 1.00	< 4.99	< 1.00	< 1.00
trans-1,3-Dichloropropene	< 4.99	< 1.00	< 4.99	< 1.00	< 4.99	< 1.00	< 4.99	< 1.00	< 1.00
Trichloroethene	15.8	0.20	1.24	0.23	396	0.26	4.16	0.77	< 0.20
Trichlorofluoromethane	5.22	1.22	< 5.00	1.23	11.7	1.27	< 5.00	1.09	1.11
Trichlorotrifluoroethane	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 5.00	< 1.00	< 1.00
Vinyl Chloride	< 1.00	< 0.20	< 1.00	< 0.20	< 1.00	< 0.20	< 1.00	< 0.20	< 0.20

Notes:

All samples analyzed using Method TO-15

ug/m³ = micrograms per cubic meter

Detections are in Bold. See lab report for additional information.

Blue highlighted compounds are ones included in NYSDOH SVI guidance.

SOIL VAPOR SAMPLING RESULTS
41-71 JANE STREET
ROSYLN HEIGHTS, NEW YORK

Sample No.	SV-A	SV-B	SV-C	SV-D
Sample Date	January 29, 2025			
Volatile Organic Compounds in ug/m ³				
1,1,1,2-Tetrachloroethane	< 5.00	< 5.00	< 5.00	< 5.00
1,1,1-Trichloroethane	< 5.00	< 5.00	< 5.00	< 5.00
1,1,2,2-Tetrachloroethane	< 5.00	< 5.00	< 5.00	< 5.00
1,1,2-Trichloroethane	< 5.00	< 5.00	< 5.00	< 5.00
1,1-Dichloroethane	< 5.02	< 5.02	< 5.02	< 5.02
1,1-Dichloroethene	< 1.00	< 1.00	< 1.00	< 1.00
1,2,4-Trichlorobenzene	< 5.00	< 5.00	< 5.00	< 5.00
1,2,4-Trimethylbenzene	17.4	14.0	11.9	12.2
1,2-Dibromoethane(EDB)	< 5.00	< 5.00	< 5.00	< 5.00
1,2-Dichlorobenzene	< 5.00	< 5.00	< 5.00	< 5.00
1,2-Dichloroethane	< 5.02	< 5.02	< 5.02	< 5.02
1,2-dichloropropane	< 4.99	< 4.99	< 4.99	< 4.99
1,2-Dichlorotetrafluoroethane	< 5.00	< 5.00	< 5.00	< 5.00
1,3,5-Trimethylbenzene	< 5.01	< 5.01	< 5.01	< 5.01
1,3-Butadiene	10.5	37.4	< 5.00	< 5.00
1,3-Dichlorobenzene	< 5.00	< 5.00	< 5.00	< 5.00
1,4-Dichlorobenzene	< 5.00	< 5.00	< 5.00	< 5.00
1,4-Dioxane	< 5.01	< 5.01	< 5.01	< 5.01
2-Hexanone(MBK)	< 4.99	< 4.99	< 4.99	< 4.99
4-Ethyltoluene	16.3	14.7	12.9	14.4
4-Isopropyltoluene	< 5.00	< 5.00	< 5.00	< 5.00
4-Methyl-2-pentanone(MIBK)	< 4.99	< 4.99	< 4.99	< 4.99
Acetone	66.0	91.2	37.0	39.6
Acrylonitrile	< 5.01	< 5.01	< 5.01	< 5.01
Benzene	< 5.01	< 5.01	< 5.01	< 5.01
Benzyl chloride	< 5.00	< 5.00	< 5.00	< 5.00
Bromodichloromethane	< 5.00	< 5.00	< 5.00	< 5.00
Bromoform	< 5.00	< 5.00	< 5.00	< 5.00
Bromomethane	< 5.01	< 5.01	< 5.01	< 5.01
Carbon Disulfide	< 5.01	20.6	< 5.01	< 5.01
Carbon Tetrachloride	< 1.00	< 1.00	< 1.00	< 1.00
Chlorobenzene	< 5.01	< 5.01	< 5.01	< 5.01
Chloroethane	< 5.01	< 5.01	< 5.01	< 5.01
Chloroform	< 4.98	< 4.98	< 4.98	< 4.98
Chloromethane	< 4.99	< 4.99	< 4.99	< 4.99
Cis-1,2-Dichloroethene	< 1.00	< 1.00	< 1.00	< 1.00
cis-1,3-Dichloropropene	< 4.99	< 4.99	< 4.99	< 4.99
Cyclohexane	8.26	9.22	< 4.99	< 4.99
Dibromochloromethane	< 5.00	< 5.00	< 5.00	< 5.00
Dichlorodifluoromethane	< 4.99	< 4.99	< 4.99	< 4.99
Ethanol	6.12	6.2	10.6	9.74
Ethyl acetate	< 5.01	< 5.01	< 5.01	< 5.01
Ethylbenzene	18.3	15.1	14.5	15.6
Heptane	7.41	8.68	5.2	< 5.00
Hexane	8.49	18.6	6.69	< 5.00
Isooctane	< 4.99	5.78	< 4.99	< 4.99
Isopropylalcohol	< 5.01	< 5.01	< 5.01	< 5.01
m,p-Xylene	58.6	49.9	47.3	49.9
Methyl Ethyl Ketone	< 5.01	< 5.01	5.87	< 5.01
Methyl tert-butyl ether(MTBE)	< 5.01	< 5.01	< 5.01	< 5.01
Methylene Chloride	< 15.0	< 15.0	< 15.0	< 15.0
Naphthalene	< 5.23	< 5.23	< 5.23	< 5.23
n-Butylbenzene	< 5.00	< 5.00	< 5.00	< 5.00
o-Xylene	19	15.9	14.5	14.6
Propylene	149	659	< 5.01	< 5.01
Styrene	< 4.98	< 4.98	< 4.98	< 4.98
Tetrachloroethene	< 1.25	< 1.25	< 1.25	< 1.25
Tetrahydrofuran	< 5.01	5.42	5.31	< 5.01
Toluene	47.5	35.9	33.2	34.0
Trans-1,2-Dichloroethene	< 4.99	< 4.99	< 4.99	< 4.99
trans-1,3-Dichloropropene	< 4.99	< 4.99	< 4.99	< 4.99
Trichloroethene	< 0.99	1.4	< 0.99	< 0.99
Trichlorofluoromethane	< 5.00	13.9	134	< 5.00
Trichlorotrifluoroethane	< 5.00	< 5.00	< 5.00	< 5.00
Vinyl Chloride	< 1.00	< 1.00	< 1.00	< 1.00

ATTACHMENT A

**LABORATORY REPORT AND
DATA USABILITY SUMMARY REPORT**



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

FPM Group

FORMER TIFFEN MANUFACTURING 41-71 JAE ST

GCS55361

Ver 1

Data Package Table of Contents

GCS55361 Analytical Report	5
Cover Letter	5
Project Summary	6
SDG Comments	9
Sample Id Cross Reference	10
Analytical Report	11
Canister Sampling Information	50
QA/QC Report	51
Sample Criteria Exceedances Report	55
COC-GCS55361	56
chain-GCS55361	57
GCS55361 Air V1	58
Organic Flags	59
Non-Conformance Summary	60
Monitoring Compound Recovery (Form 2)	63
CS55369 - Batch 769167	63
CS55373 - Batch 769168	64
CS55737 - Batch 769379	65
Spike Recovery (Form 3)	66
CS55369 LCS	66
CS55373 LCS	68
CS55737 LCS	70
Method Blank Summary (Form 4)	72
CS55369 BLK - Batch 769167 01/31/25 15:21	72
CS55373 BLK - Batch 769168 01/31/25 15:12	73
CS55737 BLK - Batch 769379 02/03/25 16:15	74
Tune Summary (Form 5)	75
CHEM20 - 0130_03.D	75
CHEM20 - 0131_03.D	77
CHEM24 - 0114_02.D	79
CHEM24 - 0131_02.D	81
CHEM24 - 0203_02.D	83
Internal Standard (Form 8)	85
CHEM20 - 01/31/25 06:10	85
CHEM20 - 01/31/25 13:36	87

CHEM24 - 01/14/25 17:22	89
CHEM24 - 01/31/25 13:22	91
CHEM24 - 02/03/25 14:28	93
Analysis Data Sheet (Form 1)	95
CS55361 / SV-A 5X	95
CS55362 / SV-B 5X	107
CS55362 / SV-B 15X	123
CS55363 / SV-G 5X	127
CS55364 / SV-D 5X	142
CS55365 / SV-E 5X	151
CS55366 / SV-C 5X	161
CS55367 / SV-H 5X	173
CS55368 / SV-F 5X	191
CS55369 / IA-E	209
CS55370 / IA-F	227
CS55371 / OUTDOOR AMBIENT	244
CS55372 / IA-G	253
CS55373 / IA-H	270
Initial Calibration Summary (Form 6)	287
CHEM20	287
CHEM24	290
CHEM20 - 01/31/25	293
CHEM20 - ICV_0130	350
CHEM24 - 01/14/25	356
CHEM24 - ICV_0114	413
Continuing Calibration Summary (Form 7)	419
CHEM20 - 01/31/25 13:36	419
CHEM20 - 02/01/25 09:03	429
CHEM24 - 01/31/25 13:22	439
CHEM24 - 02/03/25 14:28	449
CHEM24 - 02/04/25 13:55	459
Analysis Data Sheet QC (Form 1)	469
CS55369 LCS	469
CS55369 BLANK	475
CS55369 DUP	479
CS55373 LCS	497
CS55373 BLANK	503
CS55373 DUP	507

CS55737 LCS	525
CS55737 QC 0.5X	531
CS55737 BLANK	546
CS55737 DUP	550
Canister Cleaning Batch# 3693	563
Canister Cleaning Batch# 3695	569
Canister Cleaning Batch# 3711	575
Canister Cleaning Batch# 3712	581
Canister Cleaning Batch# 3713	586
Injection Log	591
Injection Log	591
Injection Log - CHEM20 01/31/02	592
Injection Log - CHEM24 01/13/02	593
Injection Log - CHEM24 01/14/02	594
Injection Log - CHEM24 01/20/02	596
Injection Log - CHEM24 01/31/02	597
Injection Log - CHEM24 02/03/02	598
Injection Log - CHEM24 02/04/02	599
Injection Log - CHEM39 01/10/02	600



Saturday, March 01, 2025

Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
SDG ID: GCS55361
Sample ID#s: CS55361 - CS55373

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: FPM Group

**Project: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Laboratory Project: GCS55361**



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



NY Analytical Services Protocol Format

March 01, 2025

SDG I.D.: GCS55361

FPM Group FORMER TIFFEN MANUFACTURING 41-71 JAE ST

Methodology Summary

Volatiles in Air

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15, Second Edition, U. S. Environmental Protection Agency, January 1999.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



NY Analytical Services Protocol Format

March 01, 2025

SDG I.D.: GCS55361

FPM Group FORMER TIFFEN MANUFACTURING 41-71 JAE ST

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CS55361	Volatiles (TO15)	01/29/25	02/01/25	02/01/25	KCA	Y
CS55362	Volatiles (TO15)	01/29/25	02/03/25	02/03/25	KCA	Y
CS55363	Volatiles (TO15)	01/29/25	02/01/25	02/01/25	KCA	Y
CS55364	Volatiles (TO15)	01/29/25	02/01/25	02/01/25	KCA	Y
CS55365	Volatiles (TO15)	01/29/25	02/01/25	02/01/25	KCA	Y
CS55366	Volatiles (TO15)	01/29/25	02/01/25	02/01/25	KCA	Y
CS55367	Volatiles (TO15)	01/29/25	02/01/25	02/01/25	KCA	Y
CS55368	Volatiles (TO15)	01/29/25	02/01/25	02/01/25	KCA	Y
CS55369	Volatiles (TO15)	01/29/25	01/31/25	01/31/25	KCA	Y
CS55370	Volatiles (TO15)	01/29/25	01/31/25	01/31/25	KCA	Y
CS55371	Volatiles (TO15)	01/29/25	01/31/25	01/31/25	KCA	Y
CS55372	Volatiles (TO15)	01/29/25	01/31/25	01/31/25	KCA	Y
CS55373	Volatiles (TO15)	01/29/25	01/31/25	01/31/25	KCA	Y



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

March 01, 2025

SDG I.D.: GCS55361

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

March 01, 2025

SDG I.D.: GCS55361

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST

Client Id	Lab Id	Matrix	Col Date
SV-A	CS55361	AIR	01/29/25 16:10
SV-B	CS55362	AIR	01/29/25 16:13
SV-G	CS55363	AIR	01/29/25 16:25
SV-D	CS55364	AIR	01/29/25 16:20
SV-E	CS55365	AIR	01/29/25 16:40
SV-C	CS55366	AIR	01/29/25 16:10
SV-H	CS55367	AIR	01/29/25 16:56
SV-F	CS55368	AIR	01/29/25 16:30
IA-E	CS55369	AIR	01/29/25 16:43
IA-F	CS55370	AIR	01/29/25 16:35
OUTDOOR AMBIENT	CS55371	AIR	01/29/25 16:23
IA-G	CS55372	AIR	01/29/25 16:28
IA-H	CS55373	AIR	01/29/25 16:48



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 494

Custody Information

Collected by: JS
Received by: B
Analyzed by: see "By" below

Date Time
01/29/25 16:10
01/31/25 17:20

Laboratory Data

SDG ID: GCS55361
Phoenix ID: CS55361

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Client ID: SV-A

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,1-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,2-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	0.674	ND	5.00	5.00	02/01/25	KCA	5
1,2,4-Trimethylbenzene	3.54	1.02	1.02	17.4	5.01	5.01	02/01/25	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	0.651	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,2-dichloropropane	ND	1.08	1.08	ND	4.99	4.99	02/01/25	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	0.716	ND	5.00	5.00	02/01/25	KCA	5
1,3,5-Trimethylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5
1,3-Butadiene	4.73	2.26	2.26	10.5	5.00	5.00	02/01/25	KCA	5
1,3-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dioxane	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
2-Hexanone(MBK)	ND	1.22	1.22	ND	4.99	4.99	02/01/25	KCA	5
4-Ethyltoluene	3.32	1.02	1.02	16.3	5.01	5.01	02/01/25	KCA	5
4-Isopropyltoluene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
4-Methyl-2-pentanone(MIBK)	ND	1.22	1.22	ND	4.99	4.99	02/01/25	KCA	5
Acetone	27.8	2.11	2.11	66.0	5.01	5.01	02/01/25	KCA	5
Acrylonitrile	ND	2.31	2.31	ND	5.01	5.01	02/01/25	KCA	5
Benzene	ND	1.57	1.57	ND	5.01	5.01	02/01/25	KCA	5
Benzyl chloride	ND	0.966	0.966	ND	5.00	5.00	02/01/25	KCA	5

Client ID: SV-A

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.747	0.747	ND	5.00	5.00	02/01/25	KCA	5
Bromoform	ND	0.484	0.484	ND	5.00	5.00	02/01/25	KCA	5
Bromomethane	ND	1.29	1.29	ND	5.01	5.01	02/01/25	KCA	5
Carbon Disulfide	ND	1.61	1.61	ND	5.01	5.01	02/01/25	KCA	5
Carbon Tetrachloride	ND	0.159	0.159	ND	1.00	1.00	02/01/25	KCA	5
Chlorobenzene	ND	1.09	1.09	ND	5.01	5.01	02/01/25	KCA	5
Chloroethane	ND	1.90	1.90	ND	5.01	5.01	02/01/25	KCA	5
Chloroform	ND	1.02	1.02	ND	4.98	4.98	02/01/25	KCA	5
Chloromethane	ND	2.42	2.42	ND	4.99	4.99	02/01/25	KCA	5
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
cis-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5
Cyclohexane	2.40	1.45	1.45	8.26	4.99	4.99	02/01/25	KCA	5
Dibromochloromethane	ND	0.587	0.587	ND	5.00	5.00	02/01/25	KCA	5
Dichlorodifluoromethane	ND	1.01	1.01	ND	4.99	4.99	02/01/25	KCA	5
Ethanol	3.25	2.66	2.66	6.12	5.01	5.01	02/01/25	KCA	5
Ethyl acetate	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
Ethylbenzene	4.21	1.15	1.15	18.3	4.99	4.99	02/01/25	KCA	5
Heptane	1.81	1.22	1.22	7.41	5.00	5.00	02/01/25	KCA	5
Hexachlorobutadiene	ND	0.469	0.469	ND	5.00	5.00	02/01/25	KCA	5
Hexane	2.41	1.42	1.42	8.49	5.00	5.00	02/01/25	KCA	5
Isooctane	ND	1.07	1.07	ND	4.99	4.99	02/01/25	KCA	5
Isopropylalcohol	ND	2.04	2.04	ND	5.01	5.01	02/01/25	KCA	5
Isopropylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5
m,p-Xylene	13.5	1.15	1.15	58.6	4.99	4.99	02/01/25	KCA	5
Methyl Ethyl Ketone	ND	1.70	1.70	ND	5.01	5.01	02/01/25	KCA	5
Methyl tert-butyl ether(MTBE)	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
Methylene Chloride	ND	4.32	4.32	ND	15.0	15.0	02/01/25	KCA	5
Naphthalene	ND	1.00	1.00	ND	5.23	5.23	02/01/25	KCA	5
n-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
o-Xylene	4.37	1.15	1.15	19.0	4.99	4.99	02/01/25	KCA	5
Propylene	86.9	2.91	2.91	149	5.01	5.01	02/01/25	KCA	5
sec-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
Styrene	ND	1.17	1.17	ND	4.98	4.98	02/01/25	KCA	5
Tetrachloroethene	ND	0.184	0.184	ND	1.25	1.25	02/01/25	KCA	5
Tetrahydrofuran	ND	1.70	1.70	ND	5.01	5.01	02/01/25	KCA	5
Toluene	12.6	1.33	1.33	47.5	5.01	5.01	02/01/25	KCA	5
Trans-1,2-Dichloroethene	ND	1.26	1.26	ND	4.99	4.99	02/01/25	KCA	5
trans-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5
Trichloroethene	ND	0.185	0.185	ND	0.99	0.99	02/01/25	KCA	5
Trichlorofluoromethane	ND	0.891	0.891	ND	5.00	5.00	02/01/25	KCA	5
Trichlorotrifluoroethane	ND	0.653	0.653	ND	5.00	5.00	02/01/25	KCA	5
Vinyl Chloride	ND	0.390	0.390	ND	1.00	1.00	02/01/25	KCA	5
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene (5x)	103	%	%	103	%	%	02/01/25	KCA	5
% IS-1,4-Difluorobenzene (5x)	89	%	%	89	%	%	02/01/25	KCA	5
% IS-Bromochloromethane (5x)	89	%	%	89	%	%	02/01/25	KCA	5
% IS-Chlorobenzene-d5 (5x)	86	%	%	86	%	%	02/01/25	KCA	5

Client ID: SV-A

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

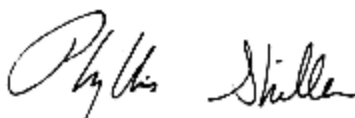
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 01, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 23326

Custody Information

Collected by: JS
Received by: B
Analyzed by: see "By" below

Date

01/29/25 16:13
01/31/25 17:20

Time

Laboratory Data

SDG ID: GCS55361
Phoenix ID: CS55362

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Client ID: SV-B

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,1-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,2-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	0.674	ND	5.00	5.00	02/01/25	KCA	5
1,2,4-Trimethylbenzene	2.85	1.02	1.02	14.0	5.01	5.01	02/01/25	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	0.651	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,2-dichloropropane	ND	1.08	1.08	ND	4.99	4.99	02/01/25	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	0.716	ND	5.00	5.00	02/01/25	KCA	5
1,3,5-Trimethylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5
1,3-Butadiene	16.9	2.26	2.26	37.4	5.00	5.00	02/01/25	KCA	5
1,3-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dioxane	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
2-Hexanone(MBK)	ND	1.22	1.22	ND	4.99	4.99	02/01/25	KCA	5
4-Ethyltoluene	3.00	1.02	1.02	14.7	5.01	5.01	02/01/25	KCA	5
4-Isopropyltoluene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
4-Methyl-2-pentanone(MIBK)	ND	1.22	1.22	ND	4.99	4.99	02/01/25	KCA	5
Acetone	38.4	2.11	2.11	91.2	5.01	5.01	02/01/25	KCA	5
Acrylonitrile	ND	2.31	2.31	ND	5.01	5.01	02/01/25	KCA	5
Benzene	ND	1.57	1.57	ND	5.01	5.01	02/01/25	KCA	5
Benzyl chloride	ND	0.966	0.966	ND	5.00	5.00	02/01/25	KCA	5

Client ID: SV-B

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.747	0.747	ND	5.00	5.00	02/01/25	KCA	5
Bromoform	ND	0.484	0.484	ND	5.00	5.00	02/01/25	KCA	5
Bromomethane	ND	1.29	1.29	ND	5.01	5.01	02/01/25	KCA	5
Carbon Disulfide	6.63	1.61	1.61	20.6	5.01	5.01	02/01/25	KCA	5
Carbon Tetrachloride	ND	0.159	0.159	ND	1.00	1.00	02/01/25	KCA	5
Chlorobenzene	ND	1.09	1.09	ND	5.01	5.01	02/01/25	KCA	5
Chloroethane	ND	1.90	1.90	ND	5.01	5.01	02/01/25	KCA	5
Chloroform	ND	1.02	1.02	ND	4.98	4.98	02/01/25	KCA	5
Chloromethane	ND	2.42	2.42	ND	4.99	4.99	02/01/25	KCA	5
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
cis-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5
Cyclohexane	2.68	1.45	1.45	9.22	4.99	4.99	02/01/25	KCA	5
Dibromochloromethane	ND	0.587	0.587	ND	5.00	5.00	02/01/25	KCA	5
Dichlorodifluoromethane	ND	1.01	1.01	ND	4.99	4.99	02/01/25	KCA	5
Ethanol	3.29	2.66	2.66	6.20	5.01	5.01	02/01/25	KCA	5
Ethyl acetate	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
Ethylbenzene	3.48	1.15	1.15	15.1	4.99	4.99	02/01/25	KCA	5
Heptane	2.12	1.22	1.22	8.68	5.00	5.00	02/01/25	KCA	5
Hexachlorobutadiene	ND	0.469	0.469	ND	5.00	5.00	02/01/25	KCA	5
Hexane	5.28	1.42	1.42	18.6	5.00	5.00	02/01/25	KCA	5
Isooctane	1.24	1.07	1.07	5.78	4.99	4.99	02/01/25	KCA	5
Isopropylalcohol	ND	2.04	2.04	ND	5.01	5.01	02/01/25	KCA	5
Isopropylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5
m,p-Xylene	11.5	1.15	1.15	49.9	4.99	4.99	02/01/25	KCA	5
Methyl Ethyl Ketone	ND	1.70	1.70	ND	5.01	5.01	02/01/25	KCA	5
Methyl tert-butyl ether(MTBE)	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
Methylene Chloride	ND	4.32	4.32	ND	15.0	15.0	02/01/25	KCA	5
Naphthalene	ND	1.00	1.00	ND	5.23	5.23	02/01/25	KCA	5
n-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
o-Xylene	3.67	1.15	1.15	15.9	4.99	4.99	02/01/25	KCA	5
Propylene	383	8.72	8.72	659	15.0	15.0	02/03/25	KCA	15
sec-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
Styrene	ND	1.17	1.17	ND	4.98	4.98	02/01/25	KCA	5
Tetrachloroethene	ND	0.184	0.184	ND	1.25	1.25	02/01/25	KCA	5
Tetrahydrofuran	1.84	1.70	1.70	5.42	5.01	5.01	02/01/25	KCA	5
Toluene	9.53	1.33	1.33	35.9	5.01	5.01	02/01/25	KCA	5
Trans-1,2-Dichloroethene	ND	1.26	1.26	ND	4.99	4.99	02/01/25	KCA	5
trans-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5
Trichloroethene	0.260	0.185	0.185	1.40	0.99	0.99	02/01/25	KCA	5
Trichlorofluoromethane	2.48	0.891	0.891	13.9	5.00	5.00	02/01/25	KCA	5
Trichlorotrifluoroethane	ND	0.653	0.653	ND	5.00	5.00	02/01/25	KCA	5
Vinyl Chloride	ND	0.390	0.390	ND	1.00	1.00	02/01/25	KCA	5
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene (5x)	103	%	%	103	%	%	02/01/25	KCA	5
% IS-1,4-Difluorobenzene (5x)	91	%	%	91	%	%	02/01/25	KCA	5
% IS-Bromochloromethane (5x)	88	%	%	88	%	%	02/01/25	KCA	5
% IS-Chlorobenzene-d5 (5x)	90	%	%	90	%	%	02/01/25	KCA	5
% Bromofluorobenzene (15x)	98	%	%	98	%	%	02/03/25	KCA	15
% IS-1,4-Difluorobenzene (15x)	96	%	%	96	%	%	02/03/25	KCA	15

Client ID: SV-B

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Bromochloromethane (15x)	96	%	%	96	%	%	02/03/25	KCA	15
% IS-Chlorobenzene-d5 (15x)	96	%	%	96	%	%	02/03/25	KCA	15

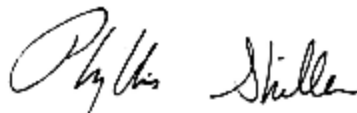
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 01, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 21357

Custody Information

Collected by: JS
Received by: B
Analyzed by: see "By" below

Date

01/29/25 16:25
01/31/25 17:20

Time

Laboratory Data

SDG ID: GCS55361
Phoenix ID: CS55363

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Client ID: SV-G

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,1-Trichloroethane	1.54	0.917	0.917	8.40	5.00	5.00	02/01/25	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,2-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	0.674	ND	5.00	5.00	02/01/25	KCA	5
1,2,4-Trimethylbenzene	2.46	1.02	1.02	12.1	5.01	5.01	02/01/25	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	0.651	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,2-dichloropropane	ND	1.08	1.08	ND	4.99	4.99	02/01/25	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	0.716	ND	5.00	5.00	02/01/25	KCA	5
1,3,5-Trimethylbenzene	1.61	1.02	1.02	7.91	5.01	5.01	02/01/25	KCA	5
1,3-Butadiene	ND	2.26	2.26	ND	5.00	5.00	02/01/25	KCA	5
1,3-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dioxane	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
2-Hexanone(MBK)	ND	1.22	1.22	ND	4.99	4.99	02/01/25	KCA	5
4-Ethyltoluene	1.07	1.02	1.02	5.26	5.01	5.01	02/01/25	KCA	5
4-Isopropyltoluene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
4-Methyl-2-pentanone(MIBK)	9.13	1.22	1.22	37.4	4.99	4.99	02/01/25	KCA	5
Acetone	285	E 2.11	2.11	677	5.01	5.01	02/01/25	KCA	5
Acrylonitrile	ND	2.31	2.31	ND	5.01	5.01	02/01/25	KCA	5
Benzene	ND	1.57	1.57	ND	5.01	5.01	02/01/25	KCA	5
Benzyl chloride	ND	0.966	0.966	ND	5.00	5.00	02/01/25	KCA	5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	0.747	ND	5.00	5.00	02/01/25	KCA	5	
Bromoform	ND	0.484	0.484	ND	5.00	5.00	02/01/25	KCA	5	
Bromomethane	ND	1.29	1.29	ND	5.01	5.01	02/01/25	KCA	5	
Carbon Disulfide	ND	1.61	1.61	ND	5.01	5.01	02/01/25	KCA	5	
Carbon Tetrachloride	ND	0.159	0.159	ND	1.00	1.00	02/01/25	KCA	5	
Chlorobenzene	ND	1.09	1.09	ND	5.01	5.01	02/01/25	KCA	5	
Chloroethane	ND	1.90	1.90	ND	5.01	5.01	02/01/25	KCA	5	
Chloroform	1.20	1.02	1.02	5.86	4.98	4.98	02/01/25	KCA	5	
Chloromethane	ND	2.42	2.42	ND	4.99	4.99	02/01/25	KCA	5	
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5	
Cyclohexane	ND	1.45	1.45	ND	4.99	4.99	02/01/25	KCA	5	
Dibromochloromethane	ND	0.587	0.587	ND	5.00	5.00	02/01/25	KCA	5	
Dichlorodifluoromethane	ND	1.01	1.01	ND	4.99	4.99	02/01/25	KCA	5	
Ethanol	33.7	2.66	2.66	63.5	5.01	5.01	02/01/25	KCA	5	1
Ethyl acetate	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5	1
Ethylbenzene	ND	1.15	1.15	ND	4.99	4.99	02/01/25	KCA	5	
Heptane	ND	1.22	1.22	ND	5.00	5.00	02/01/25	KCA	5	
Hexachlorobutadiene	ND	0.469	0.469	ND	5.00	5.00	02/01/25	KCA	5	
Hexane	ND	1.42	1.42	ND	5.00	5.00	02/01/25	KCA	5	
Isooctane	ND	1.07	1.07	ND	4.99	4.99	02/01/25	KCA	5	
Isopropylalcohol	8.34	2.04	2.04	20.5	5.01	5.01	02/01/25	KCA	5	
Isopropylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5	
m,p-Xylene	1.82	1.15	1.15	7.90	4.99	4.99	02/01/25	KCA	5	
Methyl Ethyl Ketone	7.97	1.70	1.70	23.5	5.01	5.01	02/01/25	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5	
Methylene Chloride	ND	4.32	4.32	ND	15.0	15.0	02/01/25	KCA	5	
Naphthalene	ND	1.00	1.00	ND	5.23	5.23	02/01/25	KCA	5	
n-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5	1
o-Xylene	ND	1.15	1.15	ND	4.99	4.99	02/01/25	KCA	5	
Propylene	ND	2.91	2.91	ND	5.01	5.01	02/01/25	KCA	5	1
sec-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5	1
Styrene	ND	1.17	1.17	ND	4.98	4.98	02/01/25	KCA	5	
Tetrachloroethene	4.59	0.184	0.184	31.1	1.25	1.25	02/01/25	KCA	5	
Tetrahydrofuran	4.16	1.70	1.70	12.3	5.01	5.01	02/01/25	KCA	5	1
Toluene	2.12	1.33	1.33	7.98	5.01	5.01	02/01/25	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	1.26	ND	4.99	4.99	02/01/25	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5	
Trichloroethene	73.8	0.185	0.185	396	0.99	0.99	02/01/25	KCA	5	
Trichlorofluoromethane	2.09	0.891	0.891	11.7	5.00	5.00	02/01/25	KCA	5	
Trichlorotrifluoroethane	ND	0.653	0.653	ND	5.00	5.00	02/01/25	KCA	5	
Vinyl Chloride	ND	0.390	0.390	ND	1.00	1.00	02/01/25	KCA	5	
<u>QA/QC Surrogates/Internals</u>										
% Bromofluorobenzene (5x)	111	%	%	111	%	%	02/01/25	KCA	5	
% IS-1,4-Difluorobenzene (5x)	92	%	%	92	%	%	02/01/25	KCA	5	
% IS-Bromochloromethane (5x)	90	%	%	90	%	%	02/01/25	KCA	5	
% IS-Chlorobenzene-d5 (5x)	87	%	%	87	%	%	02/01/25	KCA	5	

Client ID: SV-G

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 01, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 49223

Custody Information

Collected by: JS
Received by: B
Analyzed by: see "By" below

Date

01/29/25 16:20
01/31/25 17:20

Time

Laboratory Data

SDG ID: GCS55361
Phoenix ID: CS55364

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Client ID: SV-D

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,1-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,2-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	0.674	ND	5.00	5.00	02/01/25	KCA	5
1,2,4-Trimethylbenzene	2.49	1.02	1.02	12.2	5.01	5.01	02/01/25	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	0.651	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,2-dichloropropane	ND	1.08	1.08	ND	4.99	4.99	02/01/25	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	0.716	ND	5.00	5.00	02/01/25	KCA	5
1,3,5-Trimethylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5
1,3-Butadiene	ND	2.26	2.26	ND	5.00	5.00	02/01/25	KCA	5
1,3-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dioxane	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
2-Hexanone(MBK)	ND	1.22	1.22	ND	4.99	4.99	02/01/25	KCA	5
4-Ethyltoluene	2.93	1.02	1.02	14.4	5.01	5.01	02/01/25	KCA	5
4-Isopropyltoluene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
4-Methyl-2-pentanone(MIBK)	ND	1.22	1.22	ND	4.99	4.99	02/01/25	KCA	5
Acetone	16.7	2.11	2.11	39.6	5.01	5.01	02/01/25	KCA	5
Acrylonitrile	ND	2.31	2.31	ND	5.01	5.01	02/01/25	KCA	5
Benzene	ND	1.57	1.57	ND	5.01	5.01	02/01/25	KCA	5
Benzyl chloride	ND	0.966	0.966	ND	5.00	5.00	02/01/25	KCA	5

Client ID: SV-D

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.747	0.747	ND	5.00	5.00	02/01/25	KCA	5
Bromoform	ND	0.484	0.484	ND	5.00	5.00	02/01/25	KCA	5
Bromomethane	ND	1.29	1.29	ND	5.01	5.01	02/01/25	KCA	5
Carbon Disulfide	ND	1.61	1.61	ND	5.01	5.01	02/01/25	KCA	5
Carbon Tetrachloride	ND	0.159	0.159	ND	1.00	1.00	02/01/25	KCA	5
Chlorobenzene	ND	1.09	1.09	ND	5.01	5.01	02/01/25	KCA	5
Chloroethane	ND	1.90	1.90	ND	5.01	5.01	02/01/25	KCA	5
Chloroform	ND	1.02	1.02	ND	4.98	4.98	02/01/25	KCA	5
Chloromethane	ND	2.42	2.42	ND	4.99	4.99	02/01/25	KCA	5
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
cis-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5
Cyclohexane	ND	1.45	1.45	ND	4.99	4.99	02/01/25	KCA	5
Dibromochloromethane	ND	0.587	0.587	ND	5.00	5.00	02/01/25	KCA	5
Dichlorodifluoromethane	ND	1.01	1.01	ND	4.99	4.99	02/01/25	KCA	5
Ethanol	5.17	2.66	2.66	9.7	5.01	5.01	02/01/25	KCA	5 1
Ethyl acetate	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5 1
Ethylbenzene	3.60	1.15	1.15	15.6	4.99	4.99	02/01/25	KCA	5
Heptane	ND	1.22	1.22	ND	5.00	5.00	02/01/25	KCA	5
Hexachlorobutadiene	ND	0.469	0.469	ND	5.00	5.00	02/01/25	KCA	5
Hexane	ND	1.42	1.42	ND	5.00	5.00	02/01/25	KCA	5
Isooctane	ND	1.07	1.07	ND	4.99	4.99	02/01/25	KCA	5
Isopropylalcohol	ND	2.04	2.04	ND	5.01	5.01	02/01/25	KCA	5
Isopropylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5
m,p-Xylene	11.5	1.15	1.15	49.9	4.99	4.99	02/01/25	KCA	5
Methyl Ethyl Ketone	ND	1.70	1.70	ND	5.01	5.01	02/01/25	KCA	5
Methyl tert-butyl ether(MTBE)	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
Methylene Chloride	ND	4.32	4.32	ND	15.0	15.0	02/01/25	KCA	5
Naphthalene	ND	1.00	1.00	ND	5.23	5.23	02/01/25	KCA	5
n-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5 1
o-Xylene	3.37	1.15	1.15	14.6	4.99	4.99	02/01/25	KCA	5
Propylene	ND	2.91	2.91	ND	5.01	5.01	02/01/25	KCA	5 1
sec-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5 1
Styrene	ND	1.17	1.17	ND	4.98	4.98	02/01/25	KCA	5
Tetrachloroethene	ND	0.184	0.184	ND	1.25	1.25	02/01/25	KCA	5
Tetrahydrofuran	ND	1.70	1.70	ND	5.01	5.01	02/01/25	KCA	5 1
Toluene	9.02	1.33	1.33	34.0	5.01	5.01	02/01/25	KCA	5
Trans-1,2-Dichloroethene	ND	1.26	1.26	ND	4.99	4.99	02/01/25	KCA	5
trans-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5
Trichloroethene	ND	0.185	0.185	ND	0.99	0.99	02/01/25	KCA	5
Trichlorofluoromethane	ND	0.891	0.891	ND	5.00	5.00	02/01/25	KCA	5
Trichlorotrifluoroethane	ND	0.653	0.653	ND	5.00	5.00	02/01/25	KCA	5
Vinyl Chloride	ND	0.390	0.390	ND	1.00	1.00	02/01/25	KCA	5
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene (5x)	108	%	%	108	%	%	02/01/25	KCA	5
% IS-1,4-Difluorobenzene (5x)	95	%	%	95	%	%	02/01/25	KCA	5
% IS-Bromochloromethane (5x)	92	%	%	92	%	%	02/01/25	KCA	5
% IS-Chlorobenzene-d5 (5x)	93	%	%	93	%	%	02/01/25	KCA	5

Client ID: SV-D

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

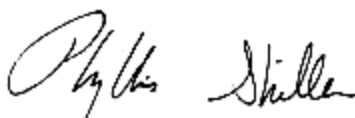
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 01, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 17160

Custody Information

Collected by: JS
Received by: B
Analyzed by: see "By" below

Date

01/29/25 16:40
01/31/25 17:20

Time

Laboratory Data

SDG ID: GCS55361
Phoenix ID: CS55365

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Client ID: SV-E

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,1-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,2-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	0.674	ND	5.00	5.00	02/01/25	KCA	5
1,2,4-Trimethylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	0.651	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,2-dichloropropane	ND	1.08	1.08	ND	4.99	4.99	02/01/25	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	0.716	ND	5.00	5.00	02/01/25	KCA	5
1,3,5-Trimethylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5
1,3-Butadiene	ND	2.26	2.26	ND	5.00	5.00	02/01/25	KCA	5
1,3-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dioxane	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
2-Hexanone(MBK)	ND	1.22	1.22	ND	4.99	4.99	02/01/25	KCA	5
4-Ethyltoluene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5
4-Isopropyltoluene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
4-Methyl-2-pentanone(MIBK)	19.9	1.22	1.22	81.5	4.99	4.99	02/01/25	KCA	5
Acetone	48.0	2.11	2.11	114	5.01	5.01	02/01/25	KCA	5
Acrylonitrile	ND	2.31	2.31	ND	5.01	5.01	02/01/25	KCA	5
Benzene	ND	1.57	1.57	ND	5.01	5.01	02/01/25	KCA	5
Benzyl chloride	ND	0.966	0.966	ND	5.00	5.00	02/01/25	KCA	5

Client ID: SV-E

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.747	0.747	ND	5.00	5.00	02/01/25	KCA	5
Bromoform	ND	0.484	0.484	ND	5.00	5.00	02/01/25	KCA	5
Bromomethane	ND	1.29	1.29	ND	5.01	5.01	02/01/25	KCA	5
Carbon Disulfide	ND	1.61	1.61	ND	5.01	5.01	02/01/25	KCA	5
Carbon Tetrachloride	ND	0.159	0.159	ND	1.00	1.00	02/01/25	KCA	5
Chlorobenzene	ND	1.09	1.09	ND	5.01	5.01	02/01/25	KCA	5
Chloroethane	ND	1.90	1.90	ND	5.01	5.01	02/01/25	KCA	5
Chloroform	ND	1.02	1.02	ND	4.98	4.98	02/01/25	KCA	5
Chloromethane	ND	2.42	2.42	ND	4.99	4.99	02/01/25	KCA	5
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
cis-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5
Cyclohexane	ND	1.45	1.45	ND	4.99	4.99	02/01/25	KCA	5
Dibromochloromethane	ND	0.587	0.587	ND	5.00	5.00	02/01/25	KCA	5
Dichlorodifluoromethane	ND	1.01	1.01	ND	4.99	4.99	02/01/25	KCA	5
Ethanol	26.4	2.66	2.66	49.7	5.01	5.01	02/01/25	KCA	5 1
Ethyl acetate	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5 1
Ethylbenzene	ND	1.15	1.15	ND	4.99	4.99	02/01/25	KCA	5
Heptane	ND	1.22	1.22	ND	5.00	5.00	02/01/25	KCA	5
Hexachlorobutadiene	ND	0.469	0.469	ND	5.00	5.00	02/01/25	KCA	5
Hexane	ND	1.42	1.42	ND	5.00	5.00	02/01/25	KCA	5
Isooctane	ND	1.07	1.07	ND	4.99	4.99	02/01/25	KCA	5
Isopropylalcohol	6.77	2.04	2.04	16.6	5.01	5.01	02/01/25	KCA	5
Isopropylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5
m,p-Xylene	ND	1.15	1.15	ND	4.99	4.99	02/01/25	KCA	5
Methyl Ethyl Ketone	4.36	1.70	1.70	12.9	5.01	5.01	02/01/25	KCA	5
Methyl tert-butyl ether(MTBE)	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
Methylene Chloride	ND	4.32	4.32	ND	15.0	15.0	02/01/25	KCA	5
Naphthalene	ND	1.00	1.00	ND	5.23	5.23	02/01/25	KCA	5
n-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5 1
o-Xylene	ND	1.15	1.15	ND	4.99	4.99	02/01/25	KCA	5
Propylene	ND	2.91	2.91	ND	5.01	5.01	02/01/25	KCA	5 1
sec-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5 1
Styrene	ND	1.17	1.17	ND	4.98	4.98	02/01/25	KCA	5
Tetrachloroethene	1.00	0.184	0.184	6.78	1.25	1.25	02/01/25	KCA	5
Tetrahydrofuran	ND	1.70	1.70	ND	5.01	5.01	02/01/25	KCA	5 1
Toluene	1.55	1.33	1.33	5.84	5.01	5.01	02/01/25	KCA	5
Trans-1,2-Dichloroethene	ND	1.26	1.26	ND	4.99	4.99	02/01/25	KCA	5
trans-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5
Trichloroethene	2.94	0.185	0.185	15.8	0.99	0.99	02/01/25	KCA	5
Trichlorofluoromethane	0.930	0.891	0.891	5.22	5.00	5.00	02/01/25	KCA	5
Trichlorotrifluoroethane	ND	0.653	0.653	ND	5.00	5.00	02/01/25	KCA	5
Vinyl Chloride	ND	0.390	0.390	ND	1.00	1.00	02/01/25	KCA	5
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene (5x)	109	%	%	109	%	%	02/01/25	KCA	5
% IS-1,4-Difluorobenzene (5x)	88	%	%	88	%	%	02/01/25	KCA	5
% IS-Bromochloromethane (5x)	88	%	%	88	%	%	02/01/25	KCA	5
% IS-Chlorobenzene-d5 (5x)	83	%	%	83	%	%	02/01/25	KCA	5

Client ID: SV-E

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

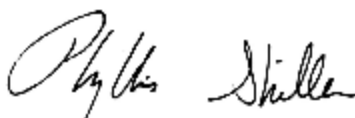
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 01, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 23352

Custody Information

Collected by: JS
Received by: B
Analyzed by: see "By" below

Date

01/29/25 16:10
01/31/25 17:20

Time

Laboratory Data

SDG ID: GCS55361
Phoenix ID: CS55366

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Client ID: SV-C

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,1-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,2-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	0.674	ND	5.00	5.00	02/01/25	KCA	5
1,2,4-Trimethylbenzene	2.42	1.02	1.02	11.9	5.01	5.01	02/01/25	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	0.651	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,2-dichloropropane	ND	1.08	1.08	ND	4.99	4.99	02/01/25	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	0.716	ND	5.00	5.00	02/01/25	KCA	5
1,3,5-Trimethylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5
1,3-Butadiene	ND	2.26	2.26	ND	5.00	5.00	02/01/25	KCA	5
1,3-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dioxane	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
2-Hexanone(MBK)	ND	1.22	1.22	ND	4.99	4.99	02/01/25	KCA	5
4-Ethyltoluene	2.62	1.02	1.02	12.9	5.01	5.01	02/01/25	KCA	5
4-Isopropyltoluene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
4-Methyl-2-pentanone(MIBK)	ND	1.22	1.22	ND	4.99	4.99	02/01/25	KCA	5
Acetone	15.6	2.11	2.11	37.0	5.01	5.01	02/01/25	KCA	5
Acrylonitrile	ND	2.31	2.31	ND	5.01	5.01	02/01/25	KCA	5
Benzene	ND	1.57	1.57	ND	5.01	5.01	02/01/25	KCA	5
Benzyl chloride	ND	0.966	0.966	ND	5.00	5.00	02/01/25	KCA	5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	0.747	ND	5.00	5.00	02/01/25	KCA	5	
Bromoform	ND	0.484	0.484	ND	5.00	5.00	02/01/25	KCA	5	
Bromomethane	ND	1.29	1.29	ND	5.01	5.01	02/01/25	KCA	5	
Carbon Disulfide	ND	1.61	1.61	ND	5.01	5.01	02/01/25	KCA	5	
Carbon Tetrachloride	ND	0.159	0.159	ND	1.00	1.00	02/01/25	KCA	5	
Chlorobenzene	ND	1.09	1.09	ND	5.01	5.01	02/01/25	KCA	5	
Chloroethane	ND	1.90	1.90	ND	5.01	5.01	02/01/25	KCA	5	
Chloroform	ND	1.02	1.02	ND	4.98	4.98	02/01/25	KCA	5	
Chloromethane	ND	2.42	2.42	ND	4.99	4.99	02/01/25	KCA	5	
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5	
Cyclohexane	ND	1.45	1.45	ND	4.99	4.99	02/01/25	KCA	5	
Dibromochloromethane	ND	0.587	0.587	ND	5.00	5.00	02/01/25	KCA	5	
Dichlorodifluoromethane	ND	1.01	1.01	ND	4.99	4.99	02/01/25	KCA	5	
Ethanol	5.63	2.66	2.66	10.6	5.01	5.01	02/01/25	KCA	5	1
Ethyl acetate	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5	1
Ethylbenzene	3.34	1.15	1.15	14.5	4.99	4.99	02/01/25	KCA	5	
Heptane	1.27	1.22	1.22	5.20	5.00	5.00	02/01/25	KCA	5	
Hexachlorobutadiene	ND	0.469	0.469	ND	5.00	5.00	02/01/25	KCA	5	
Hexane	1.90	1.42	1.42	6.69	5.00	5.00	02/01/25	KCA	5	
Isooctane	ND	1.07	1.07	ND	4.99	4.99	02/01/25	KCA	5	
Isopropylalcohol	ND	2.04	2.04	ND	5.01	5.01	02/01/25	KCA	5	
Isopropylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5	
m,p-Xylene	10.9	1.15	1.15	47.3	4.99	4.99	02/01/25	KCA	5	
Methyl Ethyl Ketone	1.99	1.70	1.70	5.87	5.01	5.01	02/01/25	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5	
Methylene Chloride	ND	4.32	4.32	ND	15.0	15.0	02/01/25	KCA	5	
Naphthalene	ND	1.00	1.00	ND	5.23	5.23	02/01/25	KCA	5	
n-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5	1
o-Xylene	3.35	1.15	1.15	14.5	4.99	4.99	02/01/25	KCA	5	
Propylene	ND	2.91	2.91	ND	5.01	5.01	02/01/25	KCA	5	1
sec-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5	1
Styrene	ND	1.17	1.17	ND	4.98	4.98	02/01/25	KCA	5	
Tetrachloroethene	ND	0.184	0.184	ND	1.25	1.25	02/01/25	KCA	5	
Tetrahydrofuran	1.80	1.70	1.70	5.31	5.01	5.01	02/01/25	KCA	5	1
Toluene	8.81	1.33	1.33	33.2	5.01	5.01	02/01/25	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	1.26	ND	4.99	4.99	02/01/25	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5	
Trichloroethene	ND	0.185	0.185	ND	0.99	0.99	02/01/25	KCA	5	
Trichlorofluoromethane	23.9	0.891	0.891	134	5.00	5.00	02/01/25	KCA	5	
Trichlorotrifluoroethane	ND	0.653	0.653	ND	5.00	5.00	02/01/25	KCA	5	
Vinyl Chloride	ND	0.390	0.390	ND	1.00	1.00	02/01/25	KCA	5	
<u>QA/QC Surrogates/Internals</u>										
% Bromofluorobenzene (5x)	109	%	%	109	%	%	02/01/25	KCA	5	
% IS-1,4-Difluorobenzene (5x)	93	%	%	93	%	%	02/01/25	KCA	5	
% IS-Bromochloromethane (5x)	91	%	%	91	%	%	02/01/25	KCA	5	
% IS-Chlorobenzene-d5 (5x)	91	%	%	91	%	%	02/01/25	KCA	5	

Client ID: SV-C

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

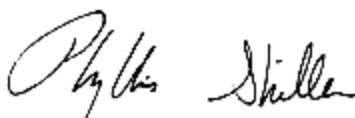
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 01, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 4629

Custody Information

Collected by: JS
Received by: B
Analyzed by: see "By" below

Date

01/29/25 16:56
01/31/25 17:20

Time

Laboratory Data

SDG ID: GCS55361
Phoenix ID: CS55367

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Client ID: SV-H

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,1-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,2-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	0.674	ND	5.00	5.00	02/01/25	KCA	5
1,2,4-Trimethylbenzene	5.87	1.02	1.02	28.8	5.01	5.01	02/01/25	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	0.651	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,2-dichloropropane	ND	1.08	1.08	ND	4.99	4.99	02/01/25	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	0.716	ND	5.00	5.00	02/01/25	KCA	5
1,3,5-Trimethylbenzene	1.56	1.02	1.02	7.66	5.01	5.01	02/01/25	KCA	5
1,3-Butadiene	ND	2.26	2.26	ND	5.00	5.00	02/01/25	KCA	5
1,3-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dioxane	3.52	1.39	1.39	12.7	5.01	5.01	02/01/25	KCA	5
2-Hexanone(MBK)	2.23	1.22	1.22	9.13	4.99	4.99	02/01/25	KCA	5
4-Ethyltoluene	6.37	1.02	1.02	31.3	5.01	5.01	02/01/25	KCA	5
4-Isopropyltoluene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
4-Methyl-2-pentanone(MIBK)	2.55	1.22	1.22	10.4	4.99	4.99	02/01/25	KCA	5
Acetone	1100	E 2.11	2.11	2610	5.01	5.01	02/01/25	KCA	5
Acrylonitrile	ND	2.31	2.31	ND	5.01	5.01	02/01/25	KCA	5
Benzene	3.85	1.57	1.57	12.3	5.01	5.01	02/01/25	KCA	5
Benzyl chloride	ND	0.966	0.966	ND	5.00	5.00	02/01/25	KCA	5

Client ID: SV-H

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.747	0.747	ND	5.00	5.00	02/01/25	KCA	5
Bromoform	ND	0.484	0.484	ND	5.00	5.00	02/01/25	KCA	5
Bromomethane	ND	1.29	1.29	ND	5.01	5.01	02/01/25	KCA	5
Carbon Disulfide	ND	1.61	1.61	ND	5.01	5.01	02/01/25	KCA	5
Carbon Tetrachloride	ND	0.159	0.159	ND	1.00	1.00	02/01/25	KCA	5
Chlorobenzene	ND	1.09	1.09	ND	5.01	5.01	02/01/25	KCA	5
Chloroethane	ND	1.90	1.90	ND	5.01	5.01	02/01/25	KCA	5
Chloroform	ND	1.02	1.02	ND	4.98	4.98	02/01/25	KCA	5
Chloromethane	ND	2.42	2.42	ND	4.99	4.99	02/01/25	KCA	5
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
cis-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5
Cyclohexane	2.88	1.45	1.45	9.9	4.99	4.99	02/01/25	KCA	5
Dibromochloromethane	ND	0.587	0.587	ND	5.00	5.00	02/01/25	KCA	5
Dichlorodifluoromethane	ND	1.01	1.01	ND	4.99	4.99	02/01/25	KCA	5
Ethanol	142	2.66	2.66	267	5.01	5.01	02/01/25	KCA	5
Ethyl acetate	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
Ethylbenzene	7.10	1.15	1.15	30.8	4.99	4.99	02/01/25	KCA	5
Heptane	3.39	1.22	1.22	13.9	5.00	5.00	02/01/25	KCA	5
Hexachlorobutadiene	ND	0.469	0.469	ND	5.00	5.00	02/01/25	KCA	5
Hexane	2.42	1.42	1.42	8.52	5.00	5.00	02/01/25	KCA	5
Isooctane	1.18	1.07	1.07	5.50	4.99	4.99	02/01/25	KCA	5
Isopropylalcohol	23.4	2.04	2.04	57.5	5.01	5.01	02/01/25	KCA	5
Isopropylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5
m,p-Xylene	22.6	1.15	1.15	98.1	4.99	4.99	02/01/25	KCA	5
Methyl Ethyl Ketone	33.4	1.70	1.70	98.4	5.01	5.01	02/01/25	KCA	5
Methyl tert-butyl ether(MTBE)	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
Methylene Chloride	ND	4.32	4.32	ND	15.0	15.0	02/01/25	KCA	5
Naphthalene	ND	1.00	1.00	ND	5.23	5.23	02/01/25	KCA	5
n-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
o-Xylene	7.53	1.15	1.15	32.7	4.99	4.99	02/01/25	KCA	5
Propylene	5.17	2.91	2.91	8.89	5.01	5.01	02/01/25	KCA	5
sec-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
Styrene	ND	1.17	1.17	ND	4.98	4.98	02/01/25	KCA	5
Tetrachloroethene	0.765	0.184	0.184	5.19	1.25	1.25	02/01/25	KCA	5
Tetrahydrofuran	ND	1.70	1.70	ND	5.01	5.01	02/01/25	KCA	5
Toluene	16.7	1.33	1.33	62.9	5.01	5.01	02/01/25	KCA	5
Trans-1,2-Dichloroethene	ND	1.26	1.26	ND	4.99	4.99	02/01/25	KCA	5
trans-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5
Trichloroethene	0.775	0.185	0.185	4.16	0.99	0.99	02/01/25	KCA	5
Trichlorofluoromethane	ND	0.891	0.891	ND	5.00	5.00	02/01/25	KCA	5
Trichlorotrifluoroethane	ND	0.653	0.653	ND	5.00	5.00	02/01/25	KCA	5
Vinyl Chloride	ND	0.390	0.390	ND	1.00	1.00	02/01/25	KCA	5
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene (5x)	105	%	%	105	%	%	02/01/25	KCA	5
% IS-1,4-Difluorobenzene (5x)	85	%	%	85	%	%	02/01/25	KCA	5
% IS-Bromochloromethane (5x)	85	%	%	85	%	%	02/01/25	KCA	5
% IS-Chlorobenzene-d5 (5x)	82	%	%	82	%	%	02/01/25	KCA	5

Client ID: SV-H

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 01, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 8230

Custody Information

Collected by: JS
Received by: B
Analyzed by: see "By" below

Date

01/29/25 16:30
01/31/25 17:20

Time

Laboratory Data

SDG ID: GCS55361
Phoenix ID: CS55368

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Client ID: SV-F

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,1-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	02/01/25	KCA	5
1,1,2-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	02/01/25	KCA	5
1,1-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	0.674	ND	5.00	5.00	02/01/25	KCA	5
1,2,4-Trimethylbenzene	3.84	1.02	1.02	18.9	5.01	5.01	02/01/25	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	0.651	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,2-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	02/01/25	KCA	5
1,2-dichloropropane	ND	1.08	1.08	ND	4.99	4.99	02/01/25	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	0.716	ND	5.00	5.00	02/01/25	KCA	5
1,3,5-Trimethylbenzene	1.11	1.02	1.02	5.45	5.01	5.01	02/01/25	KCA	5
1,3-Butadiene	ND	2.26	2.26	ND	5.00	5.00	02/01/25	KCA	5
1,3-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	02/01/25	KCA	5
1,4-Dioxane	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
2-Hexanone(MBK)	1.56	1.22	1.22	6.39	4.99	4.99	02/01/25	KCA	5
4-Ethyltoluene	4.04	1.02	1.02	19.8	5.01	5.01	02/01/25	KCA	5
4-Isopropyltoluene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5
4-Methyl-2-pentanone(MIBK)	1.95	1.22	1.22	7.98	4.99	4.99	02/01/25	KCA	5
Acetone	815	E 2.11	2.11	1930	5.01	5.01	02/01/25	KCA	5
Acrylonitrile	ND	2.31	2.31	ND	5.01	5.01	02/01/25	KCA	5
Benzene	11.8	1.57	1.57	37.7	5.01	5.01	02/01/25	KCA	5
Benzyl chloride	ND	0.966	0.966	ND	5.00	5.00	02/01/25	KCA	5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.747	0.747	ND	5.00	5.00	02/01/25	KCA	5
Bromoform	ND	0.484	0.484	ND	5.00	5.00	02/01/25	KCA	5
Bromomethane	ND	1.29	1.29	ND	5.01	5.01	02/01/25	KCA	5
Carbon Disulfide	10.5	1.61	1.61	32.7	5.01	5.01	02/01/25	KCA	5
Carbon Tetrachloride	ND	0.159	0.159	ND	1.00	1.00	02/01/25	KCA	5
Chlorobenzene	ND	1.09	1.09	ND	5.01	5.01	02/01/25	KCA	5
Chloroethane	ND	1.90	1.90	ND	5.01	5.01	02/01/25	KCA	5
Chloroform	ND	1.02	1.02	ND	4.98	4.98	02/01/25	KCA	5
Chloromethane	ND	2.42	2.42	ND	4.99	4.99	02/01/25	KCA	5
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	02/01/25	KCA	5
cis-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5
Cyclohexane	ND	1.45	1.45	ND	4.99	4.99	02/01/25	KCA	5
Dibromochloromethane	ND	0.587	0.587	ND	5.00	5.00	02/01/25	KCA	5
Dichlorodifluoromethane	ND	1.01	1.01	ND	4.99	4.99	02/01/25	KCA	5
Ethanol	72.8	2.66	2.66	137	5.01	5.01	02/01/25	KCA	5 1
Ethyl acetate	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5 1
Ethylbenzene	5.33	1.15	1.15	23.1	4.99	4.99	02/01/25	KCA	5
Heptane	3.83	1.22	1.22	15.7	5.00	5.00	02/01/25	KCA	5
Hexachlorobutadiene	ND	0.469	0.469	ND	5.00	5.00	02/01/25	KCA	5
Hexane	2.27	1.42	1.42	8.00	5.00	5.00	02/01/25	KCA	5
Isooctane	1.56	1.07	1.07	7.27	4.99	4.99	02/01/25	KCA	5
Isopropylalcohol	9.63	2.04	2.04	23.7	5.01	5.01	02/01/25	KCA	5
Isopropylbenzene	ND	1.02	1.02	ND	5.01	5.01	02/01/25	KCA	5
m,p-Xylene	14.0	1.15	1.15	60.8	4.99	4.99	02/01/25	KCA	5
Methyl Ethyl Ketone	30.5	1.70	1.70	89.9	5.01	5.01	02/01/25	KCA	5
Methyl tert-butyl ether(MTBE)	ND	1.39	1.39	ND	5.01	5.01	02/01/25	KCA	5
Methylene Chloride	ND	4.32	4.32	ND	15.0	15.0	02/01/25	KCA	5
Naphthalene	ND	1.00	1.00	ND	5.23	5.23	02/01/25	KCA	5
n-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5 1
o-Xylene	4.79	1.15	1.15	20.8	4.99	4.99	02/01/25	KCA	5
Propylene	4.34	2.91	2.91	7.46	5.01	5.01	02/01/25	KCA	5 1
sec-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	02/01/25	KCA	5 1
Styrene	1.21	1.17	1.17	5.15	4.98	4.98	02/01/25	KCA	5
Tetrachloroethene	0.340	0.184	0.184	2.30	1.25	1.25	02/01/25	KCA	5
Tetrahydrofuran	10.6	1.70	1.70	31.2	5.01	5.01	02/01/25	KCA	5 1
Toluene	13.3	1.33	1.33	50.1	5.01	5.01	02/01/25	KCA	5
Trans-1,2-Dichloroethene	ND	1.26	1.26	ND	4.99	4.99	02/01/25	KCA	5
trans-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	02/01/25	KCA	5
Trichloroethene	0.230	0.185	0.185	1.24	0.99	0.99	02/01/25	KCA	5
Trichlorofluoromethane	ND	0.891	0.891	ND	5.00	5.00	02/01/25	KCA	5
Trichlorotrifluoroethane	ND	0.653	0.653	ND	5.00	5.00	02/01/25	KCA	5
Vinyl Chloride	ND	0.390	0.390	ND	1.00	1.00	02/01/25	KCA	5
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene (5x)	107	%	%	107	%	%	02/01/25	KCA	5
% IS-1,4-Difluorobenzene (5x)	90	%	%	90	%	%	02/01/25	KCA	5
% IS-Bromochloromethane (5x)	88	%	%	88	%	%	02/01/25	KCA	5
% IS-Chlorobenzene-d5 (5x)	88	%	%	88	%	%	02/01/25	KCA	5

Client ID: SV-F

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 01, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 23318

Custody Information

Collected by: JS
Received by: B
Analyzed by: see "By" below

Date

01/29/25 16:43
01/31/25 17:20

Time

Laboratory Data

SDG ID: GCS55361
Phoenix ID: CS55369

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Client ID: IA-E

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/31/25	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/31/25	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/31/25	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/31/25	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/31/25	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	01/31/25	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	01/31/25	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/31/25	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	01/31/25	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	01/31/25	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/31/25	KCA	1
1,4-Dichlorobenzene	0.198	0.166	0.166	1.19	1.00	1.00	01/31/25	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	01/31/25	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	01/31/25	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	01/31/25	KCA	1
Acetone	13.1	0.421	0.421	31.1	1.00	1.00	01/31/25	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	01/31/25	KCA	1
Benzene	0.332	0.313	0.313	1.06	1.00	1.00	01/31/25	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	01/31/25	KCA	1

Client ID: IA-E

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	01/31/25	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	01/31/25	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	01/31/25	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	01/31/25	KCA	1
Carbon Tetrachloride	0.083	0.032	0.032	0.52	0.20	0.20	01/31/25	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	01/31/25	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	01/31/25	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	01/31/25	KCA	1
Chloromethane	0.671	0.485	0.485	1.38	1.00	1.00	01/31/25	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	01/31/25	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/31/25	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	01/31/25	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	01/31/25	KCA	1
Dichlorodifluoromethane	0.448	0.202	0.202	2.21	1.00	1.00	01/31/25	KCA	1
Ethanol	47.4	E 0.531	0.531	89.3	1.00	1.00	01/31/25	KCA	1
Ethyl acetate	0.381	0.278	0.278	1.37	1.00	1.00	01/31/25	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	01/31/25	KCA	1
Heptane	0.321	0.244	0.244	1.31	1.00	1.00	01/31/25	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	01/31/25	KCA	1
Hexane	0.581	0.284	0.284	2.05	1.00	1.00	01/31/25	KCA	1
Isooctane	0.482	0.215	0.215	2.25	1.00	1.00	01/31/25	KCA	1
Isopropylalcohol	6.34	0.407	0.407	15.6	1.00	1.00	01/31/25	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
m,p-Xylene	0.583	0.230	0.230	2.53	1.00	1.00	01/31/25	KCA	1
Methyl Ethyl Ketone	0.912	0.339	0.339	2.69	1.00	1.00	01/31/25	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	01/31/25	KCA	1
Methylene Chloride	ND	0.863	0.863	ND	3.00	3.00	01/31/25	KCA	1
Naphthalene	0.273	0.200	0.200	1.43	1.05	1.05	01/31/25	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	01/31/25	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	01/31/25	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	01/31/25	KCA	1
Tetrachloroethene	0.056	0.037	0.037	0.38	0.25	0.25	01/31/25	KCA	1
Tetrahydrofuran	0.640	0.339	0.339	1.89	1.00	1.00	01/31/25	KCA	1
Toluene	1.47	0.266	0.266	5.54	1.00	1.00	01/31/25	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/31/25	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/31/25	KCA	1
Trichloroethene	0.038	0.037	0.037	0.20	0.20	0.20	01/31/25	KCA	1
Trichlorofluoromethane	0.217	0.178	0.178	1.22	1.00	1.00	01/31/25	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	01/31/25	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	01/31/25	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	102	%	%	102	%	%	01/31/25	KCA	1
% IS-1,4-Difluorobenzene	92	%	%	92	%	%	01/31/25	KCA	1
% IS-Bromochloromethane	90	%	%	90	%	%	01/31/25	KCA	1
% IS-Chlorobenzene-d5	91	%	%	91	%	%	01/31/25	KCA	1

Client ID: IA-E

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

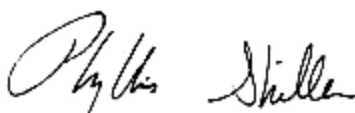
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 01, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 19165

Custody Information

Collected by: JS
Received by: B
Analyzed by: see "By" below

Date

01/29/25 16:35
01/31/25 17:20

Time

Laboratory Data

SDG ID: GCS55361
Phoenix ID: CS55370

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Client ID: IA-F

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/31/25	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/31/25	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/31/25	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/31/25	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/31/25	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	01/31/25	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	01/31/25	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/31/25	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	01/31/25	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	01/31/25	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/31/25	KCA	1
1,4-Dichlorobenzene	0.178	0.166	0.166	1.07	1.00	1.00	01/31/25	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	01/31/25	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	01/31/25	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	01/31/25	KCA	1
Acetone	13.8	0.421	0.421	32.8	1.00	1.00	01/31/25	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	01/31/25	KCA	1
Benzene	0.340	0.313	0.313	1.09	1.00	1.00	01/31/25	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	01/31/25	KCA	1

Client ID: IA-F

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	01/31/25	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	01/31/25	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	01/31/25	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	01/31/25	KCA	1
Carbon Tetrachloride	0.086	0.032	0.032	0.54	0.20	0.20	01/31/25	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	01/31/25	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	01/31/25	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	01/31/25	KCA	1
Chloromethane	0.660	0.485	0.485	1.36	1.00	1.00	01/31/25	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	01/31/25	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/31/25	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	01/31/25	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	01/31/25	KCA	1
Dichlorodifluoromethane	0.495	0.202	0.202	2.45	1.00	1.00	01/31/25	KCA	1
Ethanol	45.7	E 0.531	0.531	86.1	1.00	1.00	01/31/25	KCA	1
Ethyl acetate	0.456	0.278	0.278	1.64	1.00	1.00	01/31/25	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	01/31/25	KCA	1
Heptane	0.328	0.244	0.244	1.34	1.00	1.00	01/31/25	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	01/31/25	KCA	1
Hexane	0.598	0.284	0.284	2.11	1.00	1.00	01/31/25	KCA	1
Isooctane	0.559	0.215	0.215	2.60	1.00	1.00	01/31/25	KCA	1
Isopropylalcohol	6.79	0.407	0.407	16.7	1.00	1.00	01/31/25	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
m,p-Xylene	0.604	0.230	0.230	2.62	1.00	1.00	01/31/25	KCA	1
Methyl Ethyl Ketone	0.909	0.339	0.339	2.68	1.00	1.00	01/31/25	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	01/31/25	KCA	1
Methylene Chloride	ND	0.863	0.863	ND	3.00	3.00	01/31/25	KCA	1
Naphthalene	ND	0.200	0.200	ND	1.05	1.05	01/31/25	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	01/31/25	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	01/31/25	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	01/31/25	KCA	1
Tetrachloroethene	0.054	0.037	0.037	0.37	0.25	0.25	01/31/25	KCA	1
Tetrahydrofuran	0.620	0.339	0.339	1.83	1.00	1.00	01/31/25	KCA	1
Toluene	1.66	0.266	0.266	6.25	1.00	1.00	01/31/25	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/31/25	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/31/25	KCA	1
Trichloroethene	0.042	0.037	0.037	0.23	0.20	0.20	01/31/25	KCA	1
Trichlorofluoromethane	0.219	0.178	0.178	1.23	1.00	1.00	01/31/25	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	01/31/25	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	01/31/25	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	102	%	%	102	%	%	01/31/25	KCA	1
% IS-1,4-Difluorobenzene	89	%	%	89	%	%	01/31/25	KCA	1
% IS-Bromochloromethane	89	%	%	89	%	%	01/31/25	KCA	1
% IS-Chlorobenzene-d5	90	%	%	90	%	%	01/31/25	KCA	1

Client ID: IA-F

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

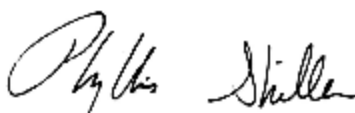
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 01, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 28549

Custody Information

Collected by: JS
Received by: B
Analyzed by: see "By" below

Date

01/29/25 16:23
01/31/25 17:20

Time

Laboratory Data

SDG ID: GCS55361
Phoenix ID: CS55371

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Client ID: OUTDOOR AMBIENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/31/25	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/31/25	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/31/25	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/31/25	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/31/25	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	01/31/25	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	01/31/25	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/31/25	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	01/31/25	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	01/31/25	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/31/25	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/31/25	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	01/31/25	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	01/31/25	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	01/31/25	KCA	1
Acetone	2.51	0.421	0.421	5.96	1.00	1.00	01/31/25	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	01/31/25	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	01/31/25	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	01/31/25	KCA	1

Client ID: OUTDOOR AMBIENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	01/31/25	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	01/31/25	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	01/31/25	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	01/31/25	KCA	1
Carbon Tetrachloride	0.076	0.032	0.032	0.48	0.20	0.20	01/31/25	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	01/31/25	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	01/31/25	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	01/31/25	KCA	1
Chloromethane	0.520	0.485	0.485	1.07	1.00	1.00	01/31/25	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	01/31/25	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/31/25	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	01/31/25	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	01/31/25	KCA	1
Dichlorodifluoromethane	0.434	0.202	0.202	2.14	1.00	1.00	01/31/25	KCA	1
Ethanol	3.13	0.531	0.531	5.89	1.00	1.00	01/31/25	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	01/31/25	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	01/31/25	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	01/31/25	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	01/31/25	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	01/31/25	KCA	1
Isooctane	ND	0.215	0.215	ND	1.00	1.00	01/31/25	KCA	1
Isopropylalcohol	ND	0.407	0.407	ND	1.00	1.00	01/31/25	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	01/31/25	KCA	1
Methyl Ethyl Ketone	0.362	0.339	0.339	1.07	1.00	1.00	01/31/25	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	01/31/25	KCA	1
Methylene Chloride	ND	0.863	0.863	ND	3.00	3.00	01/31/25	KCA	1
Naphthalene	ND	0.200	0.200	ND	1.05	1.05	01/31/25	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	01/31/25	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	01/31/25	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	01/31/25	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	01/31/25	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	01/31/25	KCA	1
Toluene	ND	0.266	0.266	ND	1.00	1.00	01/31/25	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/31/25	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/31/25	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	01/31/25	KCA	1
Trichlorofluoromethane	0.198	0.178	0.178	1.11	1.00	1.00	01/31/25	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	01/31/25	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	01/31/25	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	110	%	%	110	%	%	01/31/25	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	01/31/25	KCA	1
% IS-Bromochloromethane	93	%	%	93	%	%	01/31/25	KCA	1
% IS-Chlorobenzene-d5	90	%	%	90	%	%	01/31/25	KCA	1

Client ID: OUTDOOR AMBIENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

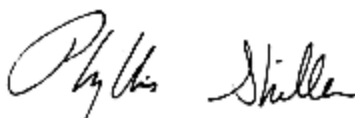
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 01, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 28568

Custody Information

Collected by: JS
Received by: B
Analyzed by: see "By" below

Date

01/29/25 16:28
01/31/25 17:20

Time

Laboratory Data

SDG ID: GCS55361
Phoenix ID: CS55372

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Client ID: IA-G

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/31/25	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/31/25	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/31/25	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/31/25	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/31/25	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	01/31/25	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	01/31/25	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/31/25	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	01/31/25	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	01/31/25	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/31/25	KCA	1
1,4-Dichlorobenzene	0.215	0.166	0.166	1.29	1.00	1.00	01/31/25	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	01/31/25	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	01/31/25	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	01/31/25	KCA	1
Acetone	12.1	0.421	0.421	28.7	1.00	1.00	01/31/25	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	01/31/25	KCA	1
Benzene	0.321	0.313	0.313	1.02	1.00	1.00	01/31/25	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	01/31/25	KCA	1

Client ID: IA-G

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	01/31/25	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	01/31/25	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	01/31/25	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	01/31/25	KCA	1
Carbon Tetrachloride	0.083	0.032	0.032	0.52	0.20	0.20	01/31/25	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	01/31/25	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	01/31/25	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	01/31/25	KCA	1
Chloromethane	0.640	0.485	0.485	1.32	1.00	1.00	01/31/25	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	01/31/25	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/31/25	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	01/31/25	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	01/31/25	KCA	1
Dichlorodifluoromethane	0.448	0.202	0.202	2.21	1.00	1.00	01/31/25	KCA	1
Ethanol	42.2	E 0.531	0.531	79.5	1.00	1.00	01/31/25	KCA	1 1
Ethyl acetate	0.347	0.278	0.278	1.25	1.00	1.00	01/31/25	KCA	1 1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	01/31/25	KCA	1
Heptane	0.315	0.244	0.244	1.29	1.00	1.00	01/31/25	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	01/31/25	KCA	1
Hexane	0.543	0.284	0.284	1.91	1.00	1.00	01/31/25	KCA	1
Isooctane	0.440	0.215	0.215	2.05	1.00	1.00	01/31/25	KCA	1
Isopropylalcohol	6.51	0.407	0.407	16.0	1.00	1.00	01/31/25	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
m,p-Xylene	0.608	0.230	0.230	2.64	1.00	1.00	01/31/25	KCA	1
Methyl Ethyl Ketone	0.824	0.339	0.339	2.43	1.00	1.00	01/31/25	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	01/31/25	KCA	1
Methylene Chloride	ND	0.863	0.863	ND	3.00	3.00	01/31/25	KCA	1
Naphthalene	0.440	0.200	0.200	2.30	1.05	1.05	01/31/25	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1 1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	01/31/25	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	01/31/25	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	01/31/25	KCA	1
Tetrachloroethene	0.053	0.037	0.037	0.36	0.25	0.25	01/31/25	KCA	1
Tetrahydrofuran	0.519	0.339	0.339	1.53	1.00	1.00	01/31/25	KCA	1 1
Toluene	1.46	0.266	0.266	5.50	1.00	1.00	01/31/25	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/31/25	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/31/25	KCA	1
Trichloroethene	0.048	0.037	0.037	0.26	0.20	0.20	01/31/25	KCA	1
Trichlorofluoromethane	0.227	0.178	0.178	1.27	1.00	1.00	01/31/25	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	01/31/25	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	01/31/25	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	109	%	%	109	%	%	01/31/25	KCA	1
% IS-1,4-Difluorobenzene	91	%	%	91	%	%	01/31/25	KCA	1
% IS-Bromochloromethane	91	%	%	91	%	%	01/31/25	KCA	1
% IS-Chlorobenzene-d5	90	%	%	90	%	%	01/31/25	KCA	1

Client ID: IA-G

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

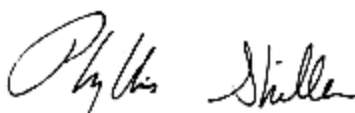
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 01, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 28560

Custody Information

Collected by: JS
Received by: B
Analyzed by: see "By" below

Date

01/29/25 16:48
01/31/25 17:20

Time

Laboratory Data

SDG ID: GCS55361
Phoenix ID: CS55373

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST
Client ID: IA-H

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/31/25	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/31/25	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	01/31/25	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	01/31/25	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/31/25	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	01/31/25	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	01/31/25	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	01/31/25	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	01/31/25	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	01/31/25	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	01/31/25	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/31/25	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	01/31/25	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	01/31/25	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	01/31/25	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	01/31/25	KCA	1
Acetone	13.5	0.421	0.421	32.0	1.00	1.00	01/31/25	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	01/31/25	KCA	1
Benzene	0.319	0.313	0.313	1.02	1.00	1.00	01/31/25	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	01/31/25	KCA	1

Client ID: IA-H

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	01/31/25	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	01/31/25	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	01/31/25	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	01/31/25	KCA	1
Carbon Tetrachloride	0.079	0.032	0.032	0.50	0.20	0.20	01/31/25	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	01/31/25	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	01/31/25	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	01/31/25	KCA	1
Chloromethane	0.617	0.485	0.485	1.27	1.00	1.00	01/31/25	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	01/31/25	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/31/25	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	01/31/25	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	01/31/25	KCA	1
Dichlorodifluoromethane	0.494	0.202	0.202	2.44	1.00	1.00	01/31/25	KCA	1
Ethanol	617	E 0.531	0.531	1160	1.00	1.00	01/31/25	KCA	1
Ethyl acetate	0.481	0.278	0.278	1.73	1.00	1.00	01/31/25	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	01/31/25	KCA	1
Heptane	0.436	0.244	0.244	1.79	1.00	1.00	01/31/25	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	01/31/25	KCA	1
Hexane	0.599	0.284	0.284	2.11	1.00	1.00	01/31/25	KCA	1
Isooctane	0.478	0.215	0.215	2.23	1.00	1.00	01/31/25	KCA	1
Isopropylalcohol	32.8	0.407	0.407	80.6	1.00	1.00	01/31/25	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	01/31/25	KCA	1
m,p-Xylene	0.648	0.230	0.230	2.81	1.00	1.00	01/31/25	KCA	1
Methyl Ethyl Ketone	0.905	0.339	0.339	2.67	1.00	1.00	01/31/25	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	01/31/25	KCA	1
Methylene Chloride	ND	0.863	0.863	ND	3.00	3.00	01/31/25	KCA	1
Naphthalene	0.456	0.200	0.200	2.39	1.05	1.05	01/31/25	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	01/31/25	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	01/31/25	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	01/31/25	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	01/31/25	KCA	1
Tetrachloroethene	0.058	0.037	0.037	0.39	0.25	0.25	01/31/25	KCA	1
Tetrahydrofuran	0.457	0.339	0.339	1.35	1.00	1.00	01/31/25	KCA	1
Toluene	1.65	0.266	0.266	6.21	1.00	1.00	01/31/25	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	01/31/25	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	01/31/25	KCA	1
Trichloroethene	0.143	0.037	0.037	0.77	0.20	0.20	01/31/25	KCA	1
Trichlorofluoromethane	0.195	0.178	0.178	1.09	1.00	1.00	01/31/25	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	01/31/25	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	01/31/25	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	113	%	%	113	%	%	01/31/25	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	01/31/25	KCA	1
% IS-Bromochloromethane	93	%	%	93	%	%	01/31/25	KCA	1
% IS-Chlorobenzene-d5	91	%	%	91	%	%	01/31/25	KCA	1

Client ID: IA-H

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 01, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Canister Sampling Information

March 01, 2025

FOR: Attn: Ben Cancemi
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Location Code: FPMGROUP

SDG I.D.: GCS55361

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
SV-A	CS55361	494	6.0L	5658	01/23/25	-30	-5	11.5	11.7	1.7	-29	-8	01/29/25 08:40	01/29/25 16:10
SV-B	CS55362	23326	6.0L	3190	01/23/25	-30	-5	11.2	11.6	3.5	-30	-8	01/20/25 08:50	01/29/25 16:13
SV-G	CS55363	21357	6.0L	7043	01/23/25	-30	-7	11	11.4	3.6	-29	-7	01/20/25 09:15	01/29/25 16:25
SV-D	CS55364	49223	6.0L	10589	01/23/25	-30	-5	11.4	12.2	6.8	-29	-7	01/20/25 09:00	01/29/25 16:20
SV-E	CS55365	17160	6.0L	5541	01/23/25	-30	-8	11.2	11.5	2.6	-29	-8	01/20/25 09:30	01/29/25 16:40
SV-C	CS55366	23352	6.0L	7036	01/23/25	-30	-5	11.3	11.6	2.6	-30	-8	01/20/25 08:55	01/29/25 16:10
SV-H	CS55367	4629	6.0L	5657	01/23/25	-30	-9	10.8	10.8	0.0	-30	-10	01/20/25 09:50	01/29/25 16:56
SV-F	CS55368	8230	6.0L	10692	01/23/25	-30	-7	10.5	10.6	0.9	-30	-8	01/20/25 09:20	01/29/25 16:30
IA-E	CS55369	23318	6.0L	5707	01/23/25	-30	-7	11.3	11.3	0.0	-30	-8	01/29/25 09:35	01/29/25 16:43
IA-F	CS55370	19165	6.0L	5596	01/23/25	-30	-7	11.4	11.6	1.7	-28	-5	01/29/25 09:25	01/29/25 16:35
OUTDOOR AMBIENT	CS55371	28549	6.0L	5600	01/23/25	-30	-5	11.2	12	6.9	-29	-8	01/29/25 09:05	01/29/25 16:23
IA-G	CS55372	28568	6.0L	2932	01/23/25	-30	-7	11.1	11.6	4.4	-29	-8	01/29/25 09:17	01/29/25 16:28
IA-H	CS55373	28560	6.0L	7004	01/23/25	-30	-7	10.9	11.2	2.7	-30	-7	01/29/25 09:55	01/29/25 16:48



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



QA/QC Report

March 01, 2025

QA/QC Data

SDG I.D.: GCS55361

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits

QA/QC Batch 769167 (ppbv), QC Sample No: CS55369 (CS55361 (5X) , CS55362 (5X) , CS55369, CS55370)

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	101	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	104	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	107	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	105	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	113	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	111	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	96	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	97	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	111	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	113	1.19	1.20	0.198	0.200	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	81	ND	ND	ND	ND	NC	70 - 130	25
2,2,4-Trimethylpentane	ND	0.210	ND	0.98	105	2.25	2.30	0.482	0.494	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	98	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	97	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	98	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	104	31.1	32.0	13.1	13.5	3.0	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	104	1.06	1.06	0.332	0.333	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	88	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	109	0.52	0.53	0.083	0.085	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	103	1.38	1.37	0.671	0.665	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	104	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	110	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	104	2.21	2.34	0.448	0.473	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCS55361

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	0.530	ND	1.00	96	89.3 E	82.7	47.4 E	43.9	7.7	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	131	1.37	1.34	0.381	0.373	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	110	1.31	1.30	0.321	0.317	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	137	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	110	2.05	2.09	0.581	0.592	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	106	15.6	15.9	6.34	6.48	2.2	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	104	2.53	2.55	0.583	0.588	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	106	2.69	2.72	0.912	0.923	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	102	ND	ND	ND	ND	NC	70 - 130	25
Naphthalene	ND	0.200	ND	1.05	105	1.43	1.67	0.273	0.319	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	107	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	98	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	99	0.38	0.33	0.056	0.049	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	112	1.89	1.93	0.640	0.656	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	104	5.54	5.84	1.47	1.55	5.3	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	101	0.20	0.20	0.038	0.038	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	101	1.22	1.23	0.217	0.219	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	100	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	96	%	96	%	102	102	101	102	101	NC	70 - 130	25
% IS-1,4-Difluorobenzene	102	%	102	%	95	92	89	92	89	NC	60 - 140	25
% IS-Bromochloromethane	102	%	102	%	91	90	88	90	88	NC	60 - 140	25
% IS-Chlorobenzene-d5	102	%	102	%	103	91	89	91	89	NC	60 - 140	25

QA/QC Batch 769168 (ppbv), QC Sample No: CS55373 (CS55363 (5X) , CS55364 (5X) , CS55365 (5X) , CS55366 (5X) , CS55367 (5X) , CS55368 (5X) , CS55371, CS55372, CS55373)

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	103	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	99	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	123	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	98	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	96	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	90	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCS55361

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
2,2,4-Trimethylpentane	ND	0.210	ND	0.98	97	2.23	2.02	0.478	0.433	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	96	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	97	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	94	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	96	32.0	33.0	13.5	13.9	2.9	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	101	1.02	1.12	0.319	0.351	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	92	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	97	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	103	0.50	0.54	0.079	0.086	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	99	1.27	1.24	0.617	0.602	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	103	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	103	2.44	2.41	0.494	0.487	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	90	1160 E	1200	617 E	638	3.3	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	114	1.73	1.97	0.481	0.546	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	98	1.79	1.49	0.436	0.364	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	126	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	99	2.11	2.17	0.599	0.617	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	94	80.6	83.5	32.8	34.0	3.6	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	106	2.81	2.83	0.648	0.653	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	99	2.67	2.77	0.905	0.941	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	100	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	93	ND	ND	ND	ND	NC	70 - 130	25
Naphthalene	ND	0.200	ND	1.05	121	2.39	2.28	0.456	0.435	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	98	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	98	ND	1.05	ND	0.241	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	97	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	96	0.39	0.38	0.058	0.056	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	99	1.35	1.52	0.457	0.516	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	101	6.21	6.18	1.65	1.64	0.6	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	97	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	98	0.77	0.77	0.143	0.143	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	101	1.09	1.22	0.195	0.217	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	97	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	112	%	112	%	100	113	111	113	111	NC	70 - 130	25
% IS-1,4-Difluorobenzene	102	%	102	%	96	93	92	93	92	NC	60 - 140	25
% IS-Bromochloromethane	99	%	99	%	96	93	89	93	89	NC	60 - 140	25

QA/QC Data

SDG I.D.: GCS55361

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
% IS-Chlorobenzene-d5	98	%	98	%	105	91	87	91	87	NC	60 - 140	25

QA/QC Batch 769379 (ppbv), QC Sample No: CS55737 (CS55362 (15X))

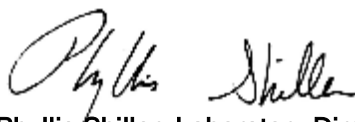
Volatiles

Propylene	ND	0.250	ND	0.43	118	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	92	%	92	%	101	101	101	101	101	NC	70 - 130	25
% IS-1,4-Difluorobenzene	106	%	106	%	95	98	94	98	94	NC	60 - 140	25
% IS-Bromochloromethane	107	%	107	%	91	98	96	98	96	NC	60 - 140	25
% IS-Chlorobenzene-d5	104	%	104	%	102	96	95	96	95	NC	60 - 140	25

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference
- (ISO) - Isotope Dilution


 Phyllis Shiller, Laboratory Director
 March 01, 2025

Sample Criteria Exceedances Report
GCS55361 - FPMGROUP

Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

[illegible]



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: FPM Group

FORMER TIFFEN MANUFACTURING 41-71 JAE ST

Laboratory Project: GCS55361

Volatile TO15
Ver 1

Organic Data Flags

LOD(MDL): Limit of Detection or Method Detection Limit
The minimum reportable concentration that can be measured with confidence.

PQL(RL): Practical Quantitation Level or Reporting Level
This value is at or above the MDL and is supported by the lowest calibration standard.

Q Qualifiers:

- U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
- J - Indicates an estimated value, may indicate one of the following, depending on the situation:
 - a) The reported value is estimated and below the RL.
Compounds that are detected above MDL but below RL are qualified with a J flag.
 - b) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the identification criteria, but the results is less than the quantitation limit, but greater than zero.
 - c) QC associated with this analyte is within warning limits.
- X - The concentration is not reported. This quantitation file was not evaluated for this compound at this dilution; a volatile purging or related issue may be the cause.
- L - Biased Low
- N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified.
- S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
- B - This compound was also present in the method blank
- D - The reported concentration is the result of a diluted analysis. Samples that require dilution may result in elevated reporting limits that exceed requested criteria for one or more analytes.
- E - The reported value is estimated because the concentration exceeded the calibration range.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.
- Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.
- P - Percent difference is greater than 25% between the two GC columns and the lower result is reported.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



SDG: GCS55361

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST, FPM Group

Form 1 (Analysis):

No observations noted.

Detailed reference spectra will print 'Below Cal' for the full scan compounds that are reported from the SIM and are below the lowest calibration point in the full scan analysis. If analytes required manual integration. Manual integrations are flagged with an 'm' to indicate the analyte that required this process.

Form 2 (Surrogates):

All surrogates met criteria with the following exceptions: None.

Form 3 (Laboratory Control/Matrix Spike):

Sample: CS55373 LCS
All LCS recoveries met criteria with the following exceptions: None.

Sample: CS55369 LCS
All LCS recoveries met criteria with the following exceptions: Ethyl acetate 131%, Hexachlorobutadiene 133%

Sample: CS55737 LCS
All LCS recoveries met criteria with the following exceptions: Ethyl acetate 138%, Hexachlorobutadiene 141%

Form 4 (Method Blank):

File: CHEM24 0131_05.D
All compounds were non-detect with the following exceptions: None.

File: CHEM20 0131_06.D
All compounds were non-detect with the following exceptions: None.

File: CHEM24 0203_05.D
All compounds were non-detect with the following exceptions: None.

Form 5 (Tune):

File: CHEM20 0130_03.D
All Tune criteria was met with the following exceptions: None.

File: CHEM20 0131_03.D
All Tune criteria was met with the following exceptions: None.

File: CHEM24 0114_02.D
All Tune criteria was met with the following exceptions: None.

File: CHEM24 0131_02.D
All Tune criteria was met with the following exceptions: None.

File: CHEM24 0203_02.D
All Tune criteria was met with the following exceptions: None.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



SDG: GCS55361

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST, FPM Group

Form 6 (Initial Calibration):

Calibration: CHEM20 01/31/25 - 01/31/25

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

All ICV recoveries met criteria (70-130) with the following exceptions: Ethanol 58%

Calibration: CHEM24 01/14/25 - 01/14/25

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

All ICV recoveries met criteria (70-130) with the following exceptions: Ethanol 62%

Form 7 (Continuing Calibration):

File: CHEM20 0131_03.D (Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

File: CHEM20 0131_28.D (Closing)

The following compounds did not meet maximum % deviations: None.

File: CHEM24 0131_02.D (Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: Benzyl chloride 26.0% (20), 1,2,4-Trichlorobenzene 47.0% (20), Naphthalene 47.0% (20), Benzyl chloride(sim) -21.0% (20), 1,2,4-Trichlorobenzene(sim) 25.0% (20)

No Closing Continuing Calibration was provided.

File: CHEM24 0203_02.D (Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: Benzyl chloride 28.0% (20), 1,2,4-Trichlorobenzene 43.0% (20), Naphthalene 43.0% (20), 1,2,4-Trichlorobenzene(sim) 21.0% (20)

File: CHEM24 0204_02.D (Closing)

The following compounds did not meet maximum % deviations: Benzyl chloride 34.0% (20), 1,2,4-Trichlorobenzene 56.0% (20), Naphthalene 53.0% (20), 1,2,4-Trichlorobenzene(sim) 31.0% (20)

Form 8 (Internal Standard and Retention Time):

File: CHEM20 - 20_AIR_0130.M / 0131_03.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0130.M / 0131_03.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0130.M / Average Full

All samples met internal standard area and retention time criteria with the following exceptions:
0130_14.D - ICAL 40: Chlorobenzene-d5; Area 835152 (343571 - 811289)

File: CHEM20 - 20_AIR_0130.M / Average Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



SDG: GCS55361

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST, FPM Group

File: CHEM24 - 24_AIR_0114.M / 0131_02.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0114.M / 0131_02.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0114.M / 0203_02.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0114.M / 0203_02.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0114.M / Average Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0114.M / Average Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

Sample data is not affected by detections in the canister cleaning blank associated with this SDG.

02/18/25

Alejandro Paredes

Project Manager

Lab Name:	Phoenix Environmental Labs	Client:	FPMGROUP
Lab Code:	Phoenix	Case No.:	SDG: GCS55361
QC Batch Id:	769167	QC Sample Id:	CS55369

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CS55369 LCS	CS55369 LCS	102				0
02	CS55369 BLANK	CS55369 BLANK	96				0
03	IA-E	CS55369	102				0
04	IA-E DUP	CS55369 DUP	101				0
05	IA-F	CS55370	102				0
06	SV-A 5X	CS55361 5X	103				0
07	SV-B 5X	CS55362 5X	103				0
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

SMC1	BFB	Bromofluorobenzene	<u>QC LIMITS</u> (70-130)

FORM II AIR

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SDG: GCS55361

QC Batch Id: 769168 QC Sample Id: CS55373

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CS55373 LCS	CS55373 LCS	100				0
02	CS55373 BLANK	CS55373 BLANK	112				0
03	IA-H	CS55373	113				0
04	IA-H DUP	CS55373 DUP	111				0
05	IA-G	CS55372	109				0
06	OUTDOOR AMBIENT	CS55371	110				0
07	SV-G 5X	CS55363 5X	111				0
08	SV-D 5X	CS55364 5X	108				0
09	SV-E 5X	CS55365 5X	109				0
10	SV-C 5X	CS55366 5X	109				0
11	SV-H 5X	CS55367 5X	105				0
12	SV-F 5X	CS55368 5X	107				0
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

Page 64 of 600

Lab Name:	Phoenix Environmental Labs	Client:	FPMGROUP
Lab Code:	Phoenix	Case No.:	SDG: GCS55361
QC Batch Id:	769379	QC Sample Id:	CS55737

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CS55737 LCS	CS55737 LCS	101				0
02	CS55737 BLANK	CS55737 BLANK	92				0
03	SV-B 15X	CS55362 15X	99				0
04	CS55737 QC 0.5 X	CS55737 QC	101				0
05	CS55737 DUP 0.5 X	CS55737 DUP	101				0
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

SMC1	BFB	Bromofluorobenzene	<u>QC LIMITS</u> (70-130)

FORM II AIR

3
AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCS55361
 LCS - Client Id: CS55369 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		10.91	109	70	130
Dichlorodifluoromethane	10		10.45	105	70	130
Chloromethane	10		10.30	103	70	130
1,2-Dichlorotetrafluoroethane	10		9.612	96	70	130
Vinyl Chloride	10		9.986	100	70	130
1,3-Butadiene	10		9.740	97	70	130
Bromomethane	10		8.821	88	70	130
Chloroethane	10		9.460	95	70	130
Ethanol	6		6.106	102	70	130
Acetone	10		10.38	104	70	130
Trichlorofluoromethane	10		10.13	101	70	130
Isopropylalcohol	10		10.56	106	70	130
Acrylonitrile	10		10.89	109	70	130
1,1-Dichloroethene	10		10.55	106	70	130
Methylene Chloride	10		10.18	102	70	130
Carbon Disulfide	10		10.73	107	70	130
Trichlorotrifluoroethane	10		10.43	104	70	130
Trans-1,2-Dichloroethene	10		10.31	103	70	130
1,1-Dichloroethane	10		10.67	107	70	130
Methyl tert-butyl ether(MTBE)	10		10.10	101	70	130
Methyl Ethyl Ketone	10		10.58	106	70	130
Cis-1,2-Dichloroethene	10		10.37	104	70	130
Hexane	10		10.97	110	70	130
Chloroform	10		10.44	104	70	130
Ethyl acetate	10		13.07	131 *	70	130
Tetrahydrofuran	10		11.18	112	70	130
1,2-Dichloroethane	10		10.06	101	70	130
1,1,1-Trichloroethane	10		10.43	104	70	130
Benzene	10		10.44	104	70	130
Carbon Tetrachloride	10		10.92	109	70	130
Cyclohexane	10		9.768	98	70	130
1,2-dichloropropane	10		10.59	106	70	130
Bromodichloromethane	10		10.27	103	70	130
Trichloroethene	10		10.13	101	70	130
2,2,4-trimethylpentane	10		10.52	105	70	130
1,4-Dioxane	10		8.086	81	70	130
Heptane	10		10.95	110	70	130
cis-1,3-Dichloropropene	10		10.65	107	70	130
4-Methyl-2-pentanone(MIBK)	10		9.810	98	70	130
trans-1,3-Dichloropropene	10		10.41	104	70	130
1,1,2-Trichloroethane	10		10.40	104	70	130
Toluene	10		10.38	104	70	130
Dibromochloromethane	10		10.97	110	70	130
2-Hexanone(MBK)	10		9.773	98	70	130

FORM III AIR

3
AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCS55361
 LCS - Client Id: CS55373 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		9.491	95	70	130
Dichlorodifluoromethane	10		10.29	103	70	130
Chloromethane	10		9.870	99	70	130
1,2-Dichlorotetrafluoroethane	10		10.32	103	70	130
Vinyl Chloride	10		9.705	97	70	130
1,3-Butadiene	10		9.784	98	70	130
Bromomethane	10		9.698	97	70	130
Chloroethane	10		9.893	99	70	130
Ethanol	6		5.717	95	70	130
Acetone	10		9.633	96	70	130
Trichlorofluoromethane	10		10.06	101	70	130
Isopropylalcohol	10		9.353	94	70	130
Acrylonitrile	10		9.640	96	70	130
1,1-Dichloroethene	10		10.10	101	70	130
Methylene Chloride	10		9.299	93	70	130
Carbon Disulfide	10		10.51	105	70	130
Trichlorotrifluoroethane	10		10.43	104	70	130
Trans-1,2-Dichloroethene	10		9.731	97	70	130
1,1-Dichloroethane	10		9.876	99	70	130
Methyl tert-butyl ether(MTBE)	10		10.03	100	70	130
Methyl Ethyl Ketone	10		9.913	99	70	130
Cis-1,2-Dichloroethene	10		10.07	101	70	130
Hexane	10		9.865	99	70	130
Chloroform	10		10.22	102	70	130
Ethyl acetate	10		11.40	114	70	130
Tetrahydrofuran	10		9.924	99	70	130
1,2-Dichloroethane	10		10.09	101	70	130
1,1,1-Trichloroethane	10		10.29	103	70	130
Benzene	10		10.06	101	70	130
Carbon Tetrachloride	10		10.31	103	70	130
Cyclohexane	10		9.390	94	70	130
1,2-dichloropropane	10		10.16	102	70	130
Bromodichloromethane	10		10.06	101	70	130
Trichloroethene	10		9.832	98	70	130
2,2,4-trimethylpentane	10		9.679	97	70	130
1,4-Dioxane	10		8.965	90	70	130
Heptane	10		9.757	98	70	130
cis-1,3-Dichloropropene	10		9.984	100	70	130
4-Methyl-2-pentanone(MIBK)	10		9.383	94	70	130
trans-1,3-Dichloropropene	10		10.31	103	70	130
1,1,2-Trichloroethane	10		10.03	100	70	130
Toluene	10		10.10	101	70	130
Dibromochloromethane	10		10.32	103	70	130
2-Hexanone(MBK)	10		9.621	96	70	130

FORM III AIR

LCS - Client Id: CS55373 LCS

[illegible]

3
AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCS55361
 LCS - Client Id: CS55737 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		11.77	118	70	130
Dichlorodifluoromethane	10		11.11	111	70	130
Chloromethane	10		10.95	110	70	130
1,2-Dichlorotetrafluoroethane	10		10.29	103	70	130
Vinyl Chloride	10		10.48	105	70	130
1,3-Butadiene	10		10.18	102	70	130
Bromomethane	10		9.340	93	70	130
Chloroethane	10		9.942	99	70	130
Ethanol	6		6.491	108	70	130
Acetone	10		10.99	110	70	130
Trichlorofluoromethane	10		11.53	115	70	130
Isopropylalcohol	10		11.22	112	70	130
Acrylonitrile	10		11.72	117	70	130
1,1-Dichloroethene	10		11.17	112	70	130
Methylene Chloride	10		10.80	108	70	130
Carbon Disulfide	10		11.54	115	70	130
Trichlorotrifluoroethane	10		11.13	111	70	130
Trans-1,2-Dichloroethene	10		11.06	111	70	130
1,1-Dichloroethane	10		11.42	114	70	130
Methyl tert-butyl ether(MTBE)	10		10.70	107	70	130
Methyl Ethyl Ketone	10		11.20	112	70	130
Cis-1,2-Dichloroethene	10		11.03	110	70	130
Hexane	10		11.72	117	70	130
Chloroform	10		11.13	111	70	130
Ethyl acetate	10		13.78	138 *	70	130
Tetrahydrofuran	10		11.93	119	70	130
1,2-Dichloroethane	10		10.71	107	70	130
1,1,1-Trichloroethane	10		11.28	113	70	130
Benzene	10		11.29	113	70	130
Carbon Tetrachloride	10		11.56	116	70	130
Cyclohexane	10		10.63	106	70	130
1,2-dichloropropane	10		11.28	113	70	130
Bromodichloromethane	10		10.87	109	70	130
Trichloroethene	10		10.61	106	70	130
2,2,4-trimethylpentane	10		11.05	111	70	130
1,4-Dioxane	10		8.571	86	70	130
Heptane	10		11.48	115	70	130
cis-1,3-Dichloropropene	10		11.27	113	70	130
4-Methyl-2-pentanone(MIBK)	10		10.29	103	70	130
trans-1,3-Dichloropropene	10		10.99	110	70	130
1,1,2-Trichloroethane	10		11.03	110	70	130
Toluene	10		11.02	110	70	130
Dibromochloromethane	10		11.63	116	70	130
2-Hexanone(MBK)	10		10.10	101	70	130

FORM III AIR

LCS - Client Id: CS55737 LCS

[illegible]

4A
AIR METHOD BLANK SUMMARY

Client ID

CS55369 BLANK

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCS55361

Lab File ID: 0131_05.D

Lab Sample ID: CS55369 BLK

Date Analyzed: 01/31/2025

Time Analyzed: 15:21

GC Column: RTX-1

Lab Batch ID: 769167

Instrument ID: CHEM24

Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CS55369 LCS	CS55369 LCS	0131_04.D	14:44
02	IA-E	CS55369	0131_10.D	19:31
03	IA-E DUP	CS55369 DUP	0131_11.D	20:12
04	IA-F	CS55370	0131_12.D	20:52
05	SV-A 5X	CS55361 5X	0131_24.D	05:04
06	SV-B 5X	CS55362 5X	0131_25.D	05:41
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

FORM IV AIR

4A
AIR METHOD BLANK SUMMARY

Client ID

CS55373 BLANK

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCS55361

Lab File ID: 0131_06.D

Lab Sample ID: CS55373 BLK

Date Analyzed: 01/31/2025

Time Analyzed: 15:12

GC Column: RTX-1 60M

Lab Batch ID: 769168

Instrument ID: CHEM20

Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CS55373 LCS	CS55373 LCS	0131_05.D	14:42
02	IA-H	CS55373	0131_08.D	19:26
03	IA-H DUP	CS55373 DUP	0131_09.D	20:01
04	IA-G	CS55372	0131_10.D	20:36
05	OUTDOOR AMBIENT	CS55371	0131_15.D	23:41
06	SV-G 5X	CS55363 5X	0131_16.D	00:13
07	SV-D 5X	CS55364 5X	0131_17.D	00:45
08	SV-E 5X	CS55365 5X	0131_18.D	01:17
09	SV-C 5X	CS55366 5X	0131_19.D	01:49
10	SV-H 5X	CS55367 5X	0131_20.D	02:21
11	SV-F 5X	CS55368 5X	0131_21.D	02:52
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

FORM IV AIR

4A
AIR METHOD BLANK SUMMARY

Client ID

CS55737 BLANK

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCS55361

Lab File ID: 0203_05.D

Lab Sample ID: CS55737 BLK

Date Analyzed: 02/03/2025

Time Analyzed: 16:15

GC Column: RTX-1

Lab Batch ID: 769379

Instrument ID: CHEM24

Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CS55737 LCS	CS55737 LCS	0203_04.D	15:42
02	SV-B 15X	CS55362 15X	0203_09.D	18:41
03	CS55737 QC 0.5 X	CS55737 0.5X	0203_11.D	19:56
04	CS55737 DUP 0.5 X	CS55737 DUP 0.5X	0203_12.D	20:38
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

FORM IV AIR

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCS55361

Lab File ID: 0130_03.D

BFB Injection Date: 01/30/25

Instrument ID: CHEM20

BFB Injection Time: 23:39

GC Column: RTX-1 60M

Heated Purge: (Y/N) Y

AutoFind: Scans 1068, 1069, 1070; Background Corrected with Scan 1059

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.1
75	30.0 - 66.0% of mass 95	49.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.0 (0.9)1
174	50.0 - 120.0% of mass 95	114.0
175	4.0 - 9.0% of mass 174	7.6 (8.6)1
176	93.0 - 101.0% of mass 174	98.3 (112.0)1
177	5.0 - 9.0% of mass 176	6.9 (7.7)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	ICAL 0.01	0.01 ppb; TO1510D	0130_04.D	01/31/25	00:10	
02	ICAL 0.02	0.02 ppb; TO1510D	0130_05.D	01/31/25	00:42	
03	ICAL 0.035	0.035 ppb; TO1510D	0130_06.D	01/31/25	01:14	
04	ICAL 0.05	0.05 ppb; TO1510D	0130_07.D	01/31/25	01:49	
05	ICAL 0.1	0.10 ppb; TO1510D	0130_08.D	01/31/25	02:19	
06	ICAL 0.2	0.20 ppb; TO1510D	0130_09.D	01/31/25	02:51	
07	ICAL 0.5	0.50 ppb; TO1510D	0130_10.D	01/31/25	03:24	
08	ICAL 2.5	2.5 ppb; TO1510C	0130_11.D	01/31/25	03:58	
09	ICAL 5	5.0 ppb; TO1510B	0130_12.D	01/31/25	04:29	
10	ICAL 25	25 ppb; TO1510B	0130_13.D	01/31/25	05:03	
11	ICAL 40	40ppb; TO1510B	0130_14.D	01/31/25	05:39	
12	ICAL 1	1ppb tune/cc; TO1510C	0130_15.D	01/31/25	06:10	
13	ICAL 10	10ppb; TO1510B	0130_16.D	01/31/25	06:42	
14	ICV_CHEM20_0130	10ppb lcs; TO1510A	0130_17.D	01/31/25	07:16	
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_03.D
Acq On : 30 Jan 2025 11:39 pm
Operator :
Sample : 0/0; ITSD AIR36E
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Title : VOA Standards for 5 point calibration
Last Update : Fri Jan 31 10:35:16 2025

AutoFind: Scans 1068, 1069, 1070; Background Corrected with Scan 1059

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	41	23.1	94837	PASS
75	95	30	66	49.5	203029	PASS
95	95	100	100	100.0	410496	PASS
96	95	5	9	6.5	26605	PASS
173	174	0.00	2	0.9	4119	PASS
174	95	50	120	114.5	469952	PASS
175	174	4	9	7.5	35469	PASS
176	174	93	101	98.3	461781	PASS
177	176	5	9	6.9	31755	PASS

20_AIR_0130.M Fri Jan 31 10:35:35 2025

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCS55361

Lab File ID: 0131_03.D

BFB Injection Date: 01/31/25

Instrument ID: CHEM20

BFB Injection Time: 13:36

GC Column: RTX-1 60M

Heated Purge: (Y/N) Y

AutoFind: Scans 1068, 1069, 1070; Background Corrected with Scan 1061

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.1
75	30.0 - 66.0% of mass 95	49.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (0.6)1
174	50.0 - 120.0% of mass 95	112.0
175	4.0 - 9.0% of mass 174	7.8 (8.7)1
176	93.0 - 101.0% of mass 174	99.5 (112.0)1
177	5.0 - 9.0% of mass 176	6.6 (7.4)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 1	1ppb ccal; TO1512N	0131_03.D	01/31/25	13:36	
02	CS55373 LCS	CS55373 LCS	0131_05.D	01/31/25	14:42	
03	CS55373 BLANK	CS55373 BLANK	0131_06.D	01/31/25	15:12	
04	IA-H	CS55373	0131_08.D	01/31/25	19:26	
05	IA-H DUP	CS55373 DUP	0131_09.D	01/31/25	20:01	
06	IA-G	CS55372	0131_10.D	01/31/25	20:36	
07	OUTDOOR AMBIENT	CS55371	0131_15.D	01/31/25	23:41	
08	SV-G 5X	CS55363 5X	0131_16.D	02/01/25	00:13	
09	SV-D 5X	CS55364 5X	0131_17.D	02/01/25	00:45	
10	SV-E 5X	CS55365 5X	0131_18.D	02/01/25	01:17	
11	SV-C 5X	CS55366 5X	0131_19.D	02/01/25	01:49	
12	SV-H 5X	CS55367 5X	0131_20.D	02/01/25	02:21	
13	SV-F 5X	CS55368 5X	0131_21.D	02/01/25	02:52	
14	CCAL 1	1ppb cc	0131_28.D	02/01/25	09:03	
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : C:\AIR2025\Chem20\01JAN\31\
 Data File : 0131_03.D
 Acq On : 31 Jan 2025 1:36 pm
 Operator :
 Sample : 1ppb ccal; T01512N
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: rteint.p
 Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri Jan 31 10:44:33 2025

AutoFind: Scans 1068, 1069, 1070; Background Corrected with Scan 1061

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	41	24.1	91552	PASS
75	95	30	66	49.3	187371	PASS
95	95	100	100	100.0	379691	PASS
96	95	5	9	6.5	24811	PASS
173	174	0.00	2	0.6	2392	PASS
174	95	50	120	112.3	426240	PASS
175	174	4	9	7.8	33053	PASS
176	174	93	101	99.5	424213	PASS
177	176	5	9	6.6	28179	PASS

20_AIR_0130.M Fri Jan 31 14:00:17 2025

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCS55361

Lab File ID: 0114_02.D

BFB Injection Date: 01/14/25

Instrument ID: CHEM24

BFB Injection Time: 10:04

GC Column: RTX-1

Heated Purge: (Y/N) Y

AutoFind: Scans 1070, 1071, 1072; Background Corrected with Scan 1064

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.8
75	30.0 - 66.0% of mass 95	48.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.6 (0.6)1
174	50.0 - 120.0% of mass 95	95.7
175	4.0 - 9.0% of mass 174	7.4 (7.1)1
176	93.0 - 101.0% of mass 174	96.5 (92.3)1
177	5.0 - 9.0% of mass 176	6.6 (6.1)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	ICAL 0.01	0.01 (40cc -1); TO1511	0114_03.D	01/14/25	10:38	
02	ICAL 0.02	0.02 (80cc -1) ; TO1511	0114_04.D	01/14/25	11:14	
03	ICAL 0.035	0.035 (140cc -1) ; TO1511	0114_05.D	01/14/25	11:52	
04	ICAL 0.05	0.05 ppb ; TO1511	0114_06.D	01/14/25	12:30	
05	ICAL 0.1	0.10 ppb ; TO1511	0114_07.D	01/14/25	13:04	
06	ICAL 0.2	0.20 ppb ; TO1511	0114_08.D	01/14/25	13:41	
07	ICAL 0.5	0.50 ppb ; TO1511	0114_09.D	01/14/25	14:18	
08	ICAL 2.5	2.5 ppb ; TO1511	0114_10.D	01/14/25	14:55	
09	ICAL 5	5.0 ppb ; TO1511	0114_11.D	01/14/25	15:29	
10	ICAL 25	25 ppb ; TO1511	0114_12.D	01/14/25	16:06	
11	ICAL 40	40 ppb ; TO1511	0114_13.D	01/14/25	16:47	
12	ICAL 1	1ppb ; TO1509 ; AIR36	0114_14.D	01/14/25	17:22	
13	ICAL 10	10ppb ; TO1509 ; AIR36	0114_15.D	01/14/25	18:01	
14	ICV_CHEM24_0114	10ppb lcs ; TO1511	0114_16.D	01/14/25	18:40	
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_02.D
 Acq On : 14 Jan 2025 10:04 am
 Operator : Keith
 Sample : 0/0 ; ITSD Air40
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
 Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri Jan 31 08:37:36 2025

AutoFind: Scans 1070, 1071, 1072; Background Corrected with Scan 1064

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.8	68520	PASS
75	95	30	66	48.8	160504	PASS
95	95	100	100	100.0	329173	PASS
96	95	5	9	6.7	21995	PASS
173	174	0.00	2	0.6	1970	PASS
174	95	50	120	95.7	315093	PASS
175	174	4	9	7.4	23309	PASS
176	174	93	101	96.5	303957	PASS
177	176	5	9	6.6	19934	PASS

24_AIR_0114.M Tue Feb 11 19:21:06 2025

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCS55361

Lab File ID: 0131_02.D

BFB Injection Date: 01/31/25

Instrument ID: CHEM24

BFB Injection Time: 13:22

GC Column: RTX-1

Heated Purge: (Y/N) Y

AutoFind: Scans 1070, 1071, 1072; Background Corrected with Scan 1064

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.3
75	30.0 - 66.0% of mass 95	46.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (0.9)1
174	50.0 - 120.0% of mass 95	92.6
175	4.0 - 9.0% of mass 174	7.3 (6.7)1
176	93.0 - 101.0% of mass 174	96.6 (89.5)1
177	5.0 - 9.0% of mass 176	6.6 (5.9)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 1	1ppb ccal; TO1512R	0131_02.D	01/31/25	13:22	
02	CS55369 LCS	CS55369 LCS	0131_04.D	01/31/25	14:44	
03	CS55369 BLANK	CS55369 BLANK	0131_05.D	01/31/25	15:21	
04	IA-E	CS55369	0131_10.D	01/31/25	19:31	
05	IA-E DUP	CS55369 DUP	0131_11.D	01/31/25	20:12	
06	IA-F	CS55370	0131_12.D	01/31/25	20:52	
07	SV-A 5X	CS55361 5X	0131_24.D	02/01/25	05:04	
08	SV-B 5X	CS55362 5X	0131_25.D	02/01/25	05:41	
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : C:\AIR2025\Chem24\01JAN\31\
 Data File : 0131_02.D
 Acq On : 31 Jan 2025 1:22 pm
 Operator : Keith
 Sample : 1ppb ccal; T01512R
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
 Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri Jan 31 08:37:36 2025

AutoFind: Scans 1070, 1071, 1072; Background Corrected with Scan 1064

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.3	69784	PASS
75	95	30	66	46.3	167136	PASS
95	95	100	100	100.0	360832	PASS
96	95	5	9	6.6	23691	PASS
173	174	0.00	2	0.9	2974	PASS
174	95	50	120	92.6	334123	PASS
175	174	4	9	7.3	24229	PASS
176	174	93	101	96.6	322795	PASS
177	176	5	9	6.5	21131	PASS

24_AIR_0114.M Fri Jan 31 13:59:53 2025

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCS55361

Lab File ID: 0203_02.D

BFB Injection Date: 02/03/25

Instrument ID: CHEM24

BFB Injection Time: 14:28

GC Column: RTX-1

Heated Purge: (Y/N) Y

AutoFind: Scans 1070, 1071, 1072; Background Corrected with Scan 1064

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.9
75	30.0 - 66.0% of mass 95	46.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.6 (0.7)1
174	50.0 - 120.0% of mass 95	92.7
175	4.0 - 9.0% of mass 174	7.4 (6.9)1
176	93.0 - 101.0% of mass 174	97.0 (89.9)1
177	5.0 - 9.0% of mass 176	6.7 (6.0)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 1	1ppb ccal; TO1512R	0203_02.D	02/03/25	14:28	
02	CS55737 LCS	CS55737 LCS	0203_04.D	02/03/25	15:42	
03	CS55737 BLANK	CS55737 BLANK	0203_05.D	02/03/25	16:15	
04	SV-B 15X	CS55362 15X	0203_09.D	02/03/25	18:41	
05	CS55737 QC 0.5 X	CS55737 QC	0203_11.D	02/03/25	19:56	
06	CS55737 DUP 0.5 X	CS55737 DUP	0203_12.D	02/03/25	20:38	
07	CCCAL 1	1ppb ccal; TO1512R	0204_02.D	02/04/25	13:55	
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM24\02FEB\03\
 Data File : 0203_02.D
 Acq On : 3 Feb 2025 2:28 pm
 Operator : Keith
 Sample : 1ppb ccal; T01512R
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
 Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri Jan 31 08:37:36 2025

AutoFind: Scans 1070, 1071, 1072; Background Corrected with Scan 1064

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.9	64461	PASS
75	95	30	66	46.6	159051	PASS
95	95	100	100	100.0	340992	PASS
96	95	5	9	6.6	22475	PASS
173	174	0.00	2	0.7	2063	PASS
174	95	50	120	92.7	316053	PASS
175	174	4	9	7.4	23461	PASS
176	174	93	101	97.0	306709	PASS
177	176	5	9	6.6	20392	PASS

24_AIR_0114.M Tue Feb 04 07:52:20 2025

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCS55361
 Lab Method / File Id: 20_AIR_0130.M / Average Date Analyzed: 01/31/25
 Instrument ID: CHEM20 Time Analyzed: 6:10
 GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
REFERENCE STD	360684	7.03	1167002	8.19	577430	10.67			Average
UPPER LIMIT	506760	7.36	1639637	8.52	811289	11.00			Average
LOWER LIMIT	214607	6.70	694366	7.86	343571	10.34			Average
CLIENT ID									
01 ICAL 0.2	363947	7.03	1202255	8.19	507743	10.67			0130_09.D
02 ICAL 0.5	361429	7.03	1174372	8.19	503561	10.67			0130_10.D
03 ICAL 2.5	361205	7.03	1179378	8.19	520287	10.67			0130_11.D
04 ICAL 5	343168	7.03	1127248	8.19	507262	10.67			0130_12.D
05 ICAL 25	342550	7.03	1083548	8.19	642922	10.67			0130_13.D
06 ICAL 40	379652	7.03	1139329	8.19	835152 *	10.67			0130_14.D
07 ICAL 1	375037	7.03	1247819	8.19	543226	10.67			0130_15.D
08 ICAL 10	358480	7.03	1182064	8.19	559286	10.67			0130_16.D
09 ICV_CHEM20_0130	358704	7.03	1162388	8.19	562178	10.67			0130_17.D
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCS55361
 Lab Method / File Id: 20_AIR_0130.M / Average Date Analyzed: 01/31/25
 Instrument ID: CHEM20 Time Analyzed: 6:10
 GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
REFERENCE STD	417911	7.04	1210950	8.19	524415	10.67			Average
UPPER LIMIT	587165	7.37	1701385	8.52	736804	11.00			Average
LOWER LIMIT	248657	6.71	720515	7.86	312027	10.34			Average
CLIENT ID									
01 ICAL 0.01	430253	7.04	1242856	8.19	532629	10.67			0130_04.D
02 ICAL 0.02	433227	7.04	1270875	8.19	528833	10.67			0130_05.D
03 ICAL 0.035	425814	7.04	1221289	8.19	518588	10.67			0130_06.D
04 ICAL 0.05	427675	7.04	1245043	8.19	528198	10.67			0130_07.D
05 ICAL 0.1	422532	7.03	1227313	8.19	516340	10.67			0130_08.D
06 ICAL 0.2	413699	7.04	1202255	8.19	508182	10.67			0130_09.D
07 ICAL 0.5	408985	7.04	1174290	8.19	503429	10.67			0130_10.D
08 ICAL 2.5	404232	7.04	1179095	8.19	520206	10.67			0130_11.D
09 ICAL 5	391144	7.04	1127248	8.19	509507	10.67			0130_12.D
10 ICAL 1	432407	7.04	1248126	8.19	543372	10.67			0130_15.D
11 ICAL 10	407055	7.04	1182064	8.19	559286	10.67			0130_16.D
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCS55361
 Lab Method / File Id: 20_AIR_0130.M / 0131_03.D Date Analyzed: 01/31/25
 Instrument ID: CHEM20 Time Analyzed: 13:36
 GC Column: RTX-1 60M ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	362004	7.03	1182611	8.19	513240	10.67			0131_03.D
UPPER LIMIT	508616	7.36	1661568	8.52	721102	11.00			0131_03.D
LOWER LIMIT	215392	6.70	703654	7.86	305378	10.34			0131_03.D
CLIENT ID									
01 CCAL 1	362004	7.03	1182611	8.19	513240	10.67			0131_03.D
02 CS55373 LCS	347238	7.03	1139263	8.19	541444	10.67			0131_05.D
03 CS55373 BLANK	360044	7.03	1208736	8.19	503955	10.67			0131_06.D
04 IA-H	335921	7.03	1098560	8.19	469338	10.67			0131_08.D
05 IA-H DUP	323050	7.03	1085323	8.19	448702	10.67			0131_09.D
06 IA-G	328602	7.03	1073692	8.19	459768	10.67			0131_10.D
07 OUTDOOR AMBIENT	337567	7.03	1098546	8.19	462709	10.67			0131_15.D
08 SV-G 5X	326760	7.03	1086714	8.19	448453	10.67			0131_16.D
09 SV-D 5X	334071	7.04	1126068	8.19	479610	10.67			0131_17.D
10 SV-E 5X	317013	7.03	1036402	8.19	424995	10.67			0131_18.D
11 SV-C 5X	328458	7.04	1095836	8.19	464811	10.67			0131_19.D
12 SV-H 5X	308217	7.03	1007597	8.19	421980	10.67			0131_20.D
13 SV-F 5X	319635	7.03	1063526	8.19	451541	10.67			0131_21.D
14 CCAL 1	334702	7.03	1115039	8.19	467029	10.67			0131_28.D
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361
 Lab Method / File Id: 20_AIR_0130.M / 0131_03.D Date Analyzed: 01/31/25
 Instrument ID: CHEM20 Time Analyzed: 13:36
 GC Column: RTX-1 60M ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	405613	7.04	1183118	8.19	513277	10.67			0131_03.D
UPPER LIMIT	569886	7.37	1662281	8.52	721154	11.00			0131_03.D
LOWER LIMIT	241340	6.71	703955	7.86	305400	10.34			0131_03.D
CLIENT ID									
01 CCAL 1	405613	7.04	1183118	8.19	513277	10.67			0131_03.D
02 CS55373 LCS	396374	7.04	1139391	8.19	542196	10.67			0131_05.D
03 CS55373 BLANK	416384	7.03	1208736	8.19	503957	10.67			0131_06.D
04 IA-H	376447	7.04	1098560	8.19	468808	10.67			0131_08.D
05 IA-H DUP	365938	7.04	1085323	8.19	448296	10.67			0131_09.D
06 IA-G	367850	7.04	1073692	8.19	459016	10.67			0131_10.D
07 OUTDOOR AMBIENT	380520	7.04	1098546	8.19	463949	10.67			0131_15.D
08 SV-G 5X	367870	7.04	1088073	8.19	448324	10.67			0131_16.D
09 SV-D 5X	383960	7.04	1126068	8.19	479698	10.67			0131_17.D
10 SV-E 5X	358664	7.03	1036154	8.19	425582	10.67			0131_18.D
11 SV-C 5X	376327	7.04	1095836	8.19	464773	10.67			0131_19.D
12 SV-H 5X	347122	7.04	1007597	8.19	422189	10.67			0131_20.D
13 SV-F 5X	361567	7.04	1063526	8.19	451843	10.67			0131_21.D
14 CCAL 1	381253	7.04	1115039	8.19	468433	10.67			0131_28.D
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCS55361
 Lab Method / File Id: 24_AIR_0114.M / Average Date Analyzed: 01/14/25
 Instrument ID: CHEM24 Time Analyzed: 17:22
 GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
REFERENCE STD	281307	7.51	977021	8.67	503104	11.15			Average
UPPER LIMIT	395237	7.84	1372715	9.00	706860	11.48			Average
LOWER LIMIT	167378	7.18	581328	8.34	299347	10.82			Average
CLIENT ID									
01 ICAL 0.2	295475	7.52	1026113	8.68	473341	11.15			0114_08.D
02 ICAL 0.5	289760	7.52	1000441	8.67	468003	11.15			0114_09.D
03 ICAL 2.5	286141	7.52	994887	8.67	476318	11.15			0114_10.D
04 ICAL 5	277393	7.51	954023	8.67	470574	11.15			0114_11.D
05 ICAL 25	263626	7.52	929536	8.68	547903	11.15			0114_12.D
06 ICAL 40	265112	7.52	918864	8.67	604475	11.15			0114_13.D
07 ICAL 1	299571	7.52	1031203	8.68	487699	11.15			0114_14.D
08 ICAL 10	273381	7.52	961104	8.67	496515	11.15			0114_15.D
09 ICV_CHEM24_0114	268625	7.52	946733	8.67	487520	11.15			0114_16.D
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCS55361
 Lab Method / File Id: 24_AIR_0114.M / Average Date Analyzed: 01/14/25
 Instrument ID: CHEM24 Time Analyzed: 17:22
 GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
REFERENCE STD	292588	7.51	1007293	8.67	476069	11.15			Average
UPPER LIMIT	411086	7.84	1415246	9.00	668877	11.48			Average
LOWER LIMIT	174090	7.18	599339	8.34	283261	10.82			Average
CLIENT ID									
01 ICAL 0.01	300960	7.51	1036490	8.67	475710	11.15			0114_03.D
02 ICAL 0.02	304012	7.51	1040986	8.67	479234	11.15			0114_04.D
03 ICAL 0.035	299777	7.51	1018463	8.68	476323	11.15			0114_05.D
04 ICAL 0.05	292609	7.52	1007884	8.67	463822	11.15			0114_06.D
05 ICAL 0.1	293515	7.51	1008634	8.68	468978	11.15			0114_07.D
06 ICAL 0.2	297237	7.51	1026113	8.68	473341	11.15			0114_08.D
07 ICAL 0.5	290903	7.51	1000441	8.67	468124	11.15			0114_09.D
08 ICAL 2.5	287727	7.51	994887	8.67	476318	11.15			0114_10.D
09 ICAL 5	276917	7.51	954023	8.67	470574	11.15			0114_11.D
10 ICAL 1	299247	7.51	1031193	8.68	487699	11.15			0114_14.D
11 ICAL 10	275563	7.51	961104	8.67	496638	11.15			0114_15.D
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCS55361
 Lab Method / File Id: 24_AIR_0114.M / 0131_02.D Date Analyzed: 01/31/25
 Instrument ID: CHEM24 Time Analyzed: 13:22
 GC Column: RTX-1 ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	299953	7.52	1016120	8.68	490085	11.15			0131_02.D
UPPER LIMIT	421434	7.85	1427649	9.01	688569	11.48			0131_02.D
LOWER LIMIT	178472	7.19	604591	8.35	291601	10.82			0131_02.D
CLIENT ID									
01 CCAL 1	299953	7.52	1016120	8.68	490085	11.15			0131_02.D
02 CS55369 LCS	274188	7.52	969923	8.67	502590	11.15			0131_04.D
03 CS55369 BLANK	304775	7.52	1040569	8.67	498611	11.15			0131_05.D
04 IA-E	270222	7.52	934837	8.68	446028	11.15			0131_10.D
05 IA-E DUP	264245	7.52	904031	8.67	437078	11.15			0131_11.D
06 IA-F	265707	7.52	906705	8.67	441922	11.15			0131_12.D
07 SV-A 5X	266986	7.52	905538	8.67	422640	11.15			0131_24.D
08 SV-B 5X	265011	7.52	927336	8.67	440650	11.15			0131_25.D
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCS55361
 Lab Method / File Id: 24_AIR_0114.M / 0131_02.D Date Analyzed: 01/31/25
 Instrument ID: CHEM24 Time Analyzed: 13:22
 GC Column: RTX-1 ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	296860	7.52	1016120	8.68	490211	11.15			0131_02.D
UPPER LIMIT	417088	7.85	1427649	9.01	688746	11.48			0131_02.D
LOWER LIMIT	176632	7.19	604591	8.35	291676	10.82			0131_02.D
CLIENT ID									
01 CCAL 1	296860	7.52	1016120	8.68	490211	11.15			0131_02.D
02 CS55369 LCS	271983	7.52	969923	8.67	502590	11.15			0131_04.D
03 CS55369 BLANK	299686	7.52	1040569	8.67	498611	11.15			0131_05.D
04 IA-E	268365	7.52	934837	8.68	446187	11.15			0131_10.D
05 IA-E DUP	261592	7.52	904031	8.67	437078	11.15			0131_11.D
06 IA-F	262173	7.52	906705	8.67	441922	11.15			0131_12.D
07 SV-A 5X	264481	7.52	905538	8.67	422640	11.15			0131_24.D
08 SV-B 5X	264366	7.52	927336	8.67	440650	11.15			0131_25.D
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCS55361
 Lab Method / File Id: 24_AIR_0114.M / 0203_02.D Date Analyzed: 02/03/25
 Instrument ID: CHEM24 Time Analyzed: 14:28
 GC Column: RTX-1 ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	281924	7.52	970306	8.67	468909	11.15			0203_02.D
UPPER LIMIT	396103	7.85	1363280	9.00	658817	11.48			0203_02.D
LOWER LIMIT	167745	7.19	577332	8.34	279001	10.82			0203_02.D
CLIENT ID									
01 CCAL 1	281924	7.52	970306	8.67	468909	11.15			0203_02.D
02 CS55737 LCS	256830	7.52	918925	8.67	478445	11.15			0203_04.D
03 CS55737 BLANK	302245	7.52	1026102	8.67	486262	11.15			0203_05.D
04 SV-B 15X	269629	7.52	934934	8.67	449220	11.15			0203_09.D
05 CS55737 QC 0.5 X	274937	7.52	946858	8.67	448143	11.15			0203_11.D
06 CS55737 DUP 0.5 X	271380	7.52	913063	8.67	447518	11.15			0203_12.D
07 CCCAL 1	284246	7.52	974898	8.67	470467	11.15			0204_02.D
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCS55361
 Lab Method / File Id: 24_AIR_0114.M / 0203_02.D Date Analyzed: 02/03/25
 Instrument ID: CHEM24 Time Analyzed: 14:28
 GC Column: RTX-1 ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	280970	7.52	970306	8.67	468909	11.15			0203_02.D
UPPER LIMIT	394763	7.85	1363280	9.00	658817	11.48			0203_02.D
LOWER LIMIT	167177	7.19	577332	8.34	279001	10.82			0203_02.D
CLIENT ID									
01 CCAL 1	280970	7.52	970306	8.67	468909	11.15			0203_02.D
02 CS55737 LCS	255116	7.52	918925	8.67	478445	11.15			0203_04.D
03 CS55737 BLANK	298266	7.51	1026102	8.67	486262	11.15			0203_05.D
04 SV-B 15X	268301	7.52	934934	8.67	449217	11.15			0203_09.D
05 CS55737 QC 0.5 X	273360	7.52	946858	8.67	448265	11.15			0203_11.D
06 CS55737 DUP 0.5 X	267822	7.52	913063	8.67	447518	11.15			0203_12.D
07 CCCAL 1	282560	7.52	974898	8.67	470467	11.15			0204_02.D
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	SV-A 5X
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55361 5X</u>	
Canister:	<u>494</u>	Lab File ID:	<u>0131_24.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>	Date Received: <u>01/31/25</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>02/01/25</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>5</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	86.9		2.91	2.91	r
75-71-8	Dichlorodifluoromethane	1.01	U	1.01	1.01	r
74-87-3	Chloromethane	2.42	U	2.42	2.42	r
106-99-0	1,3-Butadiene	4.73		2.26	2.26	r
75-00-3	Chloroethane	1.90	U	1.90	1.90	r
64-17-5	Ethanol	3.25	S	2.66	2.66	r
67-64-1	Acetone	27.8	S	2.11	2.11	r
67-63-0	Isopropylalcohol	2.04	U	2.04	2.04	r
107-13-1	Acrylonitrile	2.31	U	2.31	2.31	r
75-09-2	Methylene Chloride	4.32	U	4.32	4.32	r
75-15-0	Carbon Disulfide	1.61	U	1.61	1.61	r
1634-04-4	Methyl tert-butyl ether(MTBE)	1.39	U	1.39	1.39	r
78-93-3	Methyl Ethyl Ketone	1.70	U	1.70	1.70	r
110-54-3	Hexane	2.41	S	1.42	1.42	r
141-78-6	Ethyl acetate	1.39	U	1.39	1.39	r
109-99-9	Tetrahydrofuran	1.70	U	1.70	1.70	r
71-43-2	Benzene	1.57	U	1.57	1.57	r
110-82-7	Cyclohexane	2.40		1.45	1.45	r
540-84-1	2,2,4-trimethylpentane	1.07	U	1.07	1.07	r
142-82-5	Heptane	1.81		1.22	1.22	r
108-10-1	4-Methyl-2-pentanone(MIBK)	1.22	U	1.22	1.22	r
10061-02-6	trans-1,3-Dichloropropene	1.10	U	1.10	1.10	r
108-88-3	Toluene	12.6		1.33	1.33	r
591-78-6	2-Hexanone(MBK)	1.22	U	1.22	1.22	r
630-20-6	1,1,1,2-Tetrachloroethane	0.729	U	0.729	0.729	r
108-90-7	Chlorobenzene	1.09	U	1.09	1.09	r
100-41-4	Ethylbenzene	4.21		1.15	1.15	r
179601-23-1	m,p-Xylene	13.5		1.15	1.15	r
100-42-5	Styrene	1.17	U	1.17	1.17	r
95-47-6	o-Xylene	4.37		1.15	1.15	r
98-82-8	Isopropylbenzene	1.02	U	1.02	1.02	r
622-96-8	4-Ethyltoluene	3.32		1.02	1.02	r
108-67-8	1,3,5-Trimethylbenzene	1.02	U	1.02	1.02	r
95-63-6	1,2,4-Trimethylbenzene	3.54		1.02	1.02	r
91-20-3	Naphthalene	1.00	U	1.00	1.00	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.716	U	0.716	0.716	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55361 5X</u>
Canister:	<u>494</u>	Lab File ID:	<u>0131_24.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>02/01/25</u>
		Dilution Factor:	<u>5</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.390	U	0.390	0.390	r
74-83-9	Bromomethane(sim)	1.29	U	1.29	1.29	r
75-69-4	Trichlorofluoromethane(sim)	0.891	U	0.891	0.891	r
107-06-2	1,2-Dichloroethane(sim)	1.24	U	1.24	1.24	r
71-55-6	1,1,1-Trichloroethane(sim)	0.917	U	0.917	0.917	r
56-23-5	Carbon Tetrachloride(sim)	0.159	U	0.159	0.159	r
75-35-4	1,1-Dichloroethene(sim)	0.252	U	0.252	0.252	r
76-13-1	Trichlorotrifluoroethane(sim)	0.653	U	0.653	0.653	r
156-60-5	Trans-1,2-Dichloroethene(sim)	1.26	U	1.26	1.26	r
75-34-3	1,1-Dichloroethane(sim)	1.24	U	1.24	1.24	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
67-66-3	Chloroform(sim)	1.02	U	1.02	1.02	r
78-87-5	1,2-dichloropropane(sim)	1.08	U	1.08	1.08	r
75-27-4	Bromodichloromethane(sim)	0.747	U	0.747	0.747	r
79-01-6	Trichloroethene(sim)	0.185	U	0.185	0.185	r
123-91-1	1,4-Dioxane(sim)	1.39	U	1.39	1.39	r
10061-01-5	cis-1,3-Dichloropropene(sim)	1.10	U	1.10	1.10	r
79-00-5	1,1,2-Trichloroethane(sim)	0.917	U	0.917	0.917	r
124-48-1	Dibromochloromethane(sim)	0.587	U	0.587	0.587	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.651	U	0.651	0.651	r
127-18-4	Tetrachloroethene(sim)	0.184	U	0.184	0.184	r
75-25-2	Bromoform(sim)	0.484	U	0.484	0.484	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.729	U	0.729	0.729	r
100-44-7	Benzyl chloride(sim)	0.966	U	0.966	0.966	r
541-73-1	1,3-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
106-46-7	1,4-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
135-98-8	sec-Butylbenzene(sim)	0.911	U	0.911	0.911	r
99-87-6	4-Isopropyltoluene(sim)	0.911	U	0.911	0.911	r
95-50-1	1,2-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
104-51-8	n-Butylbenzene(sim)	0.911	U	0.911	0.911	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.674	U	0.674	0.674	r
87-68-3	Hexachlorobutadiene(sim)	0.469	U	0.469	0.469	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\01JAN\31\
 Data File : 0131_24.D
 Acq On : 1 Feb 2025 5:04 am
 Operator : Keith
 Client ID : SV-A 5X
 Lab ID : CS55361 5X
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 01 11:12:19 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

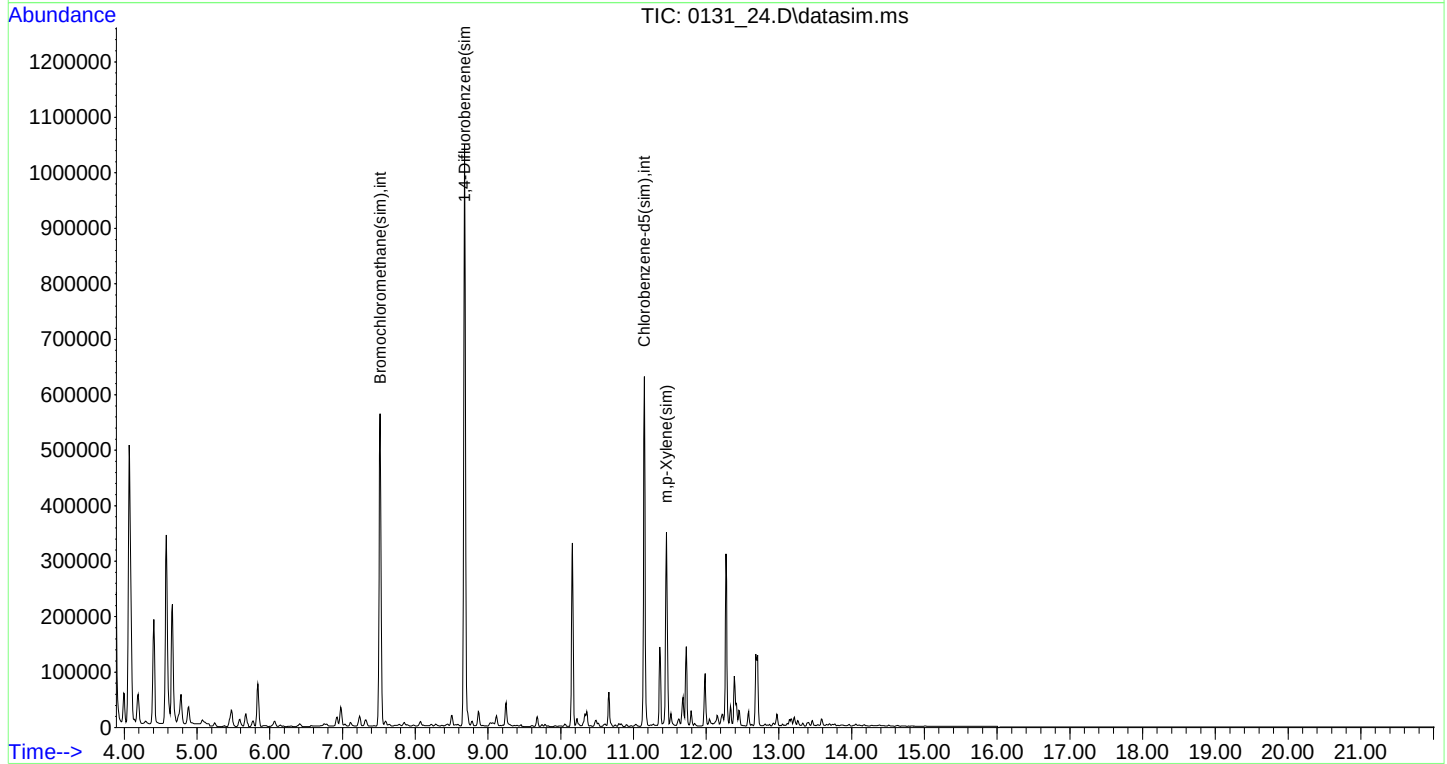
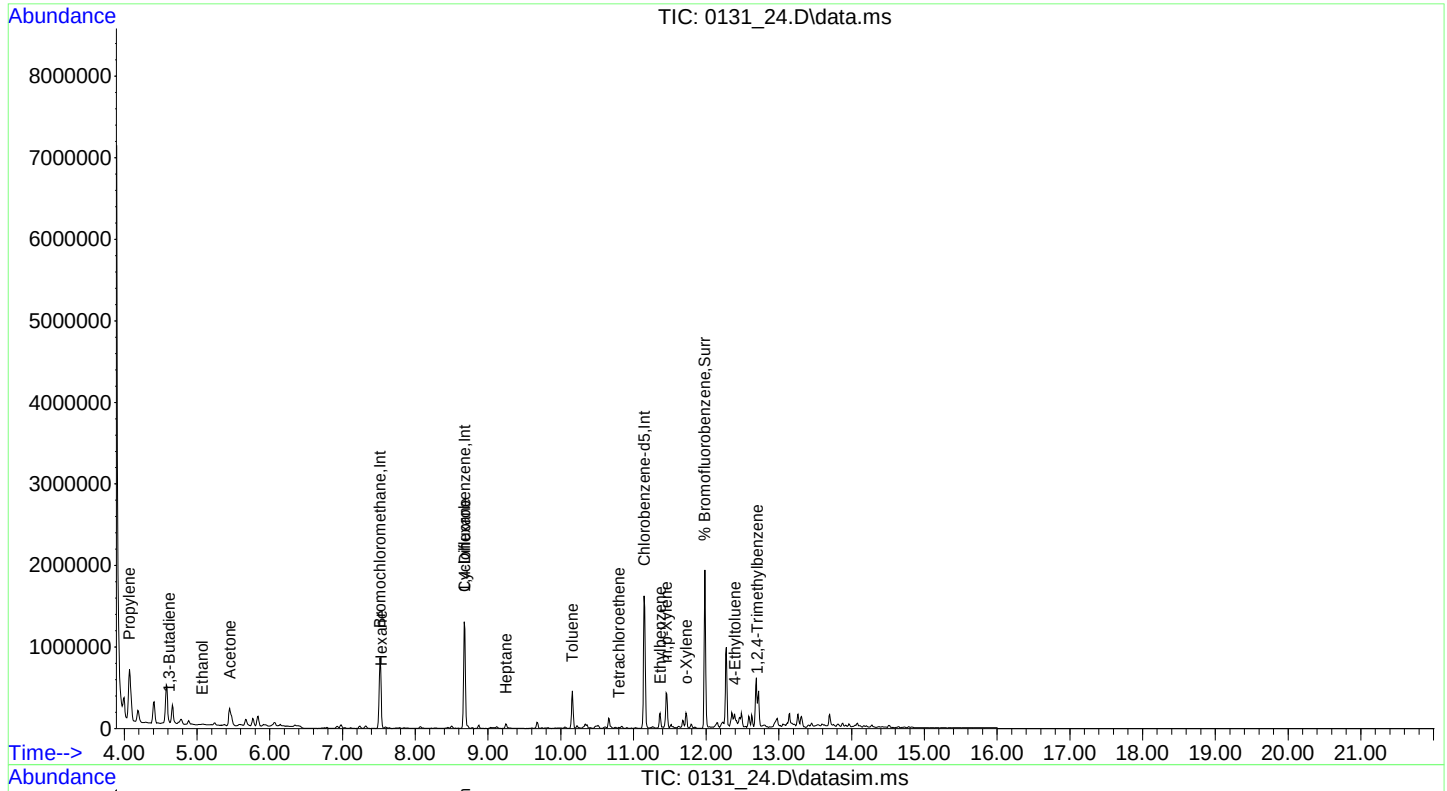
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

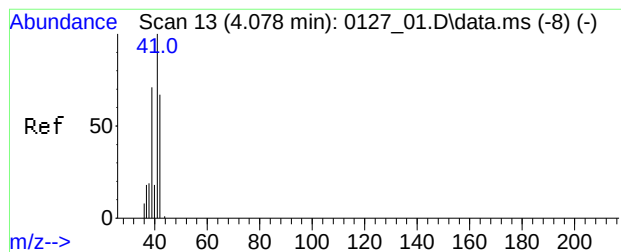
Internal Standards						
1) Bromochloromethane	7.515	130	266986	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	905538	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	422640	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	264481	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	905538	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	422640	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	533109	10.333	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	103.30%
Target Compounds						
					Qvalue	
2) Propylene	4.070	41	419126	17.370	ppbv	90
7) 1,3-Butadiene	4.617	54	22748	0.946	ppbv#	1
11) Ethanol	5.074	45	9525	0.650	ppbv#	57
12) Acetone	5.449	43	275983	5.551	ppbv#	87
27) Hexane	7.531	57	20299	0.481	ppbv#	66
35) Cyclohexane	8.675	84	15982	0.480	ppbv	96
43) Heptane	9.246	43	19845	0.362	ppbv#	91
48) Toluene	10.159	91	270713	2.514	ppbv	98
52) Tetrachloroethene	10.799	166	2402	0.040	ppbv	83
56) Ethylbenzene	11.367	91	106318	0.841	ppbv	97
57) m,p-Xylene	11.450	91	256893	2.704	ppbv	97
61) o-Xylene	11.723	91	89063	0.873	ppbv	96
66) 4-Ethyltoluene	12.392	105	90091	0.664	ppbv	96
68) 1,2,4-Trimethylbenzene	12.703	105	82652	0.708	ppbv#	58
107] m,p-Xylene(sim)	11.450	91	258749	2.248	ppbv	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\31\
Data File : 0131_24.D
Acq On : 1 Feb 2025 5:04 am
Operator : Keith
Client ID : SV-A 5X
Lab ID : CS55361 5X
ALS Vial : 25 Sample Multiplier: 1

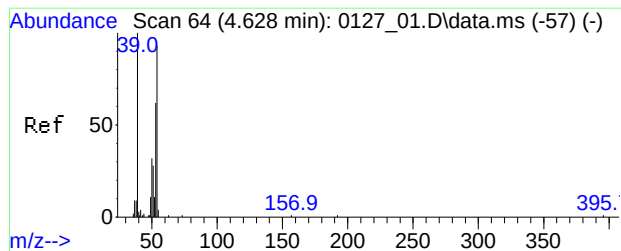
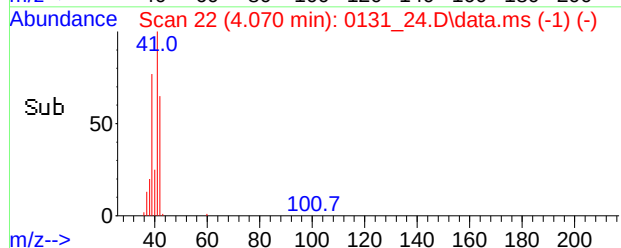
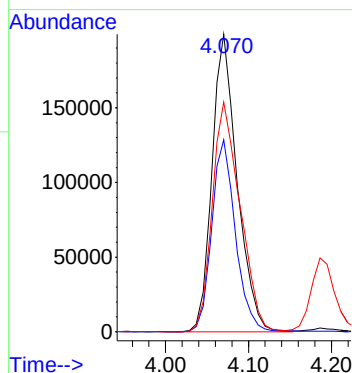
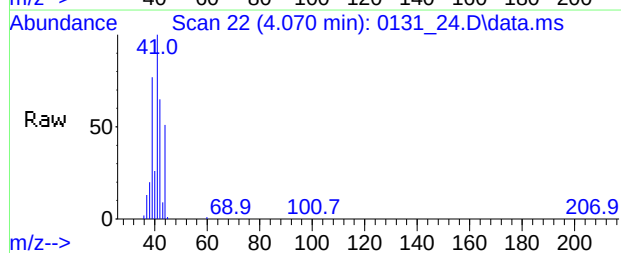
Quant Time: Feb 01 11:12:19 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 24 09:47:42 2025
Response via : Initial Calibration





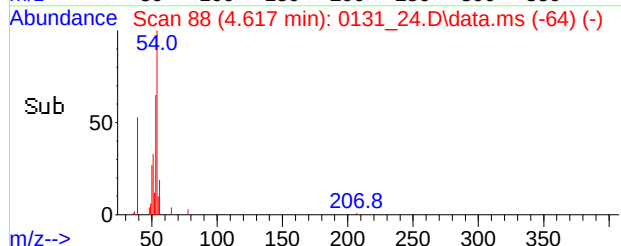
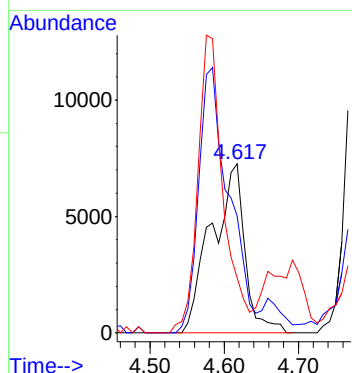
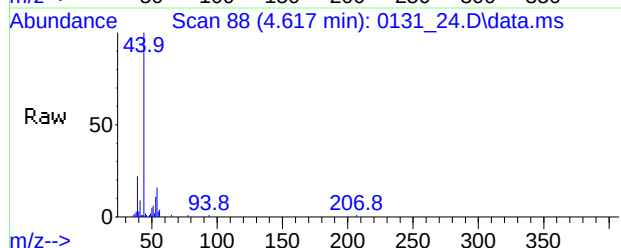
#2
Propylene
Conc: 8\$ 17.370 ppbv
RT: 4.070 min Scan# 22
Delta R.T. 0.000 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

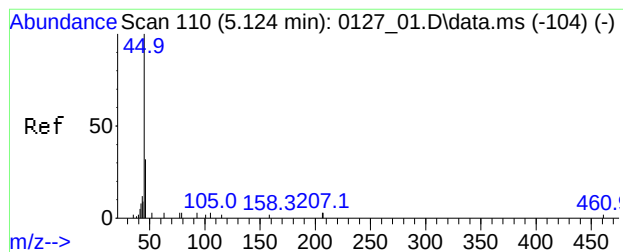
Tgt Ion: 41 Resp: 419126
Ion Ratio Lower Upper
41 100
42 61.2 51.9 77.9
39 85.3 57.8 86.8



#7
1,3-Butadiene
Conc: 8\$ 0.946 ppbv
RT: 4.617 min Scan# 88
Delta R.T. -0.001 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

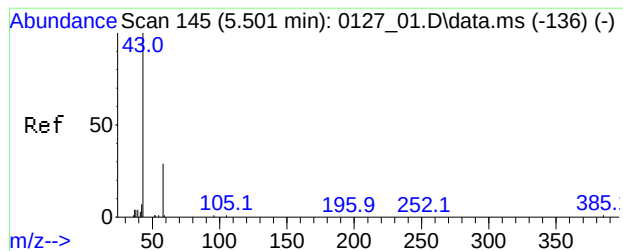
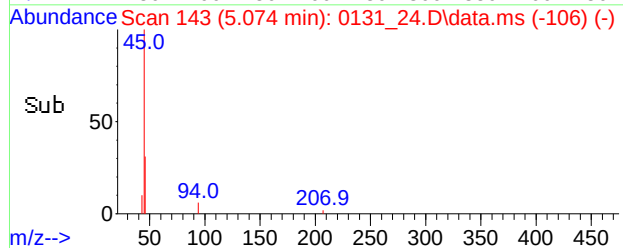
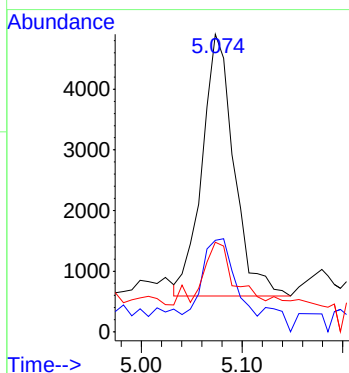
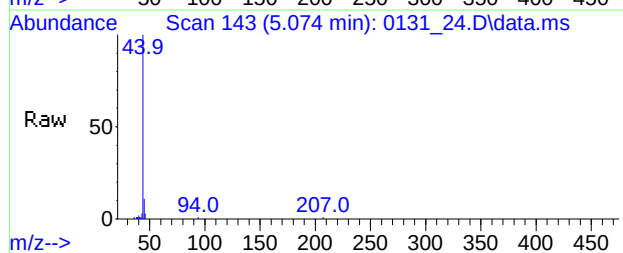
Tgt Ion: 54 Resp: 22748
Ion Ratio Lower Upper
54 100
53 141.9 63.6 95.4#
50 133.9 28.3 42.5#





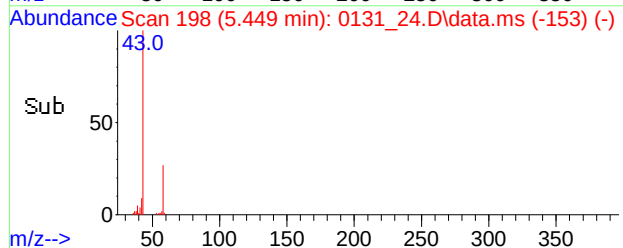
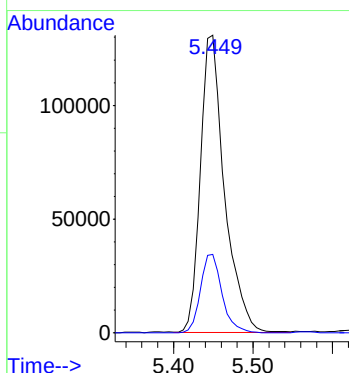
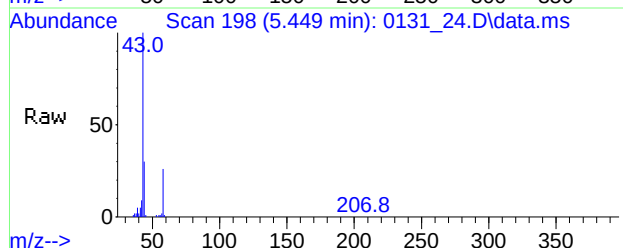
#11
Ethanol
Conc: 8\$ 0.650 ppbv
RT: 5.074 min Scan# 143
Delta R.T. 0.009 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

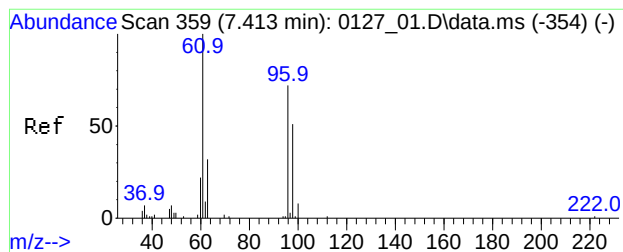
Tgt Ion: 45 Resp: 9525
Ion Ratio Lower Upper
45 100
46 28.0 25.0 37.6
43 70.3 20.0 30.0#



#12
Acetone
Conc: 8\$ 5.551 ppbv
RT: 5.449 min Scan# 198
Delta R.T. -0.006 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

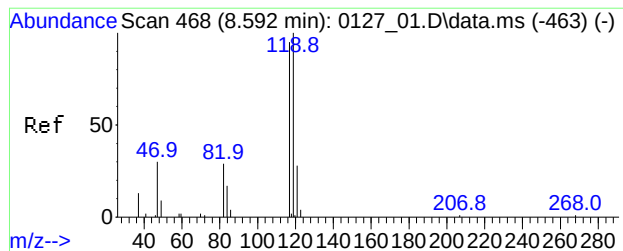
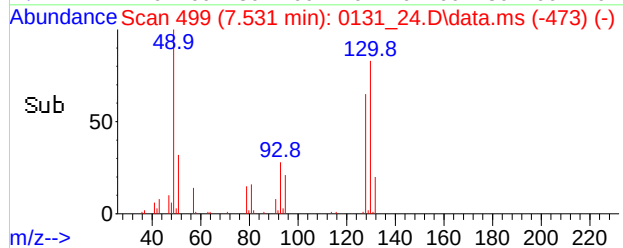
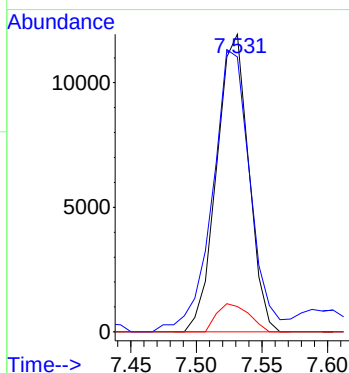
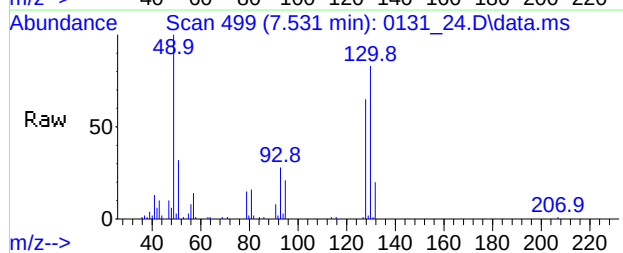
Tgt Ion: 43 Resp: 275983
Ion Ratio Lower Upper
43 100
58 23.6 24.6 37.0#





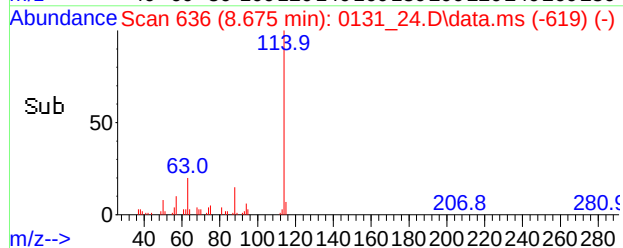
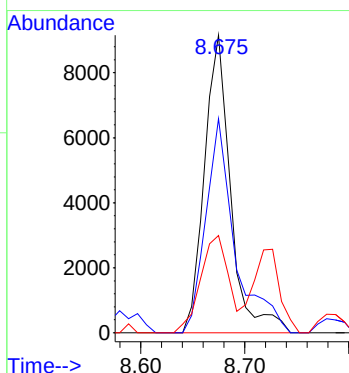
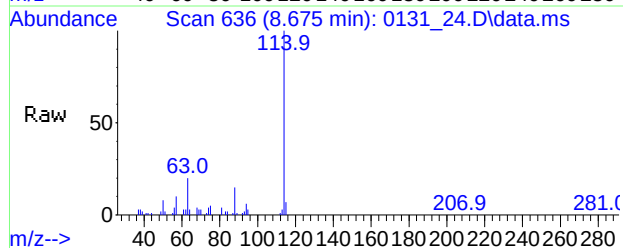
#27
Hexane
Conc: 8\$ 0.481 ppbv
RT: 7.531 min Scan# 499
Delta R.T. 0.008 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

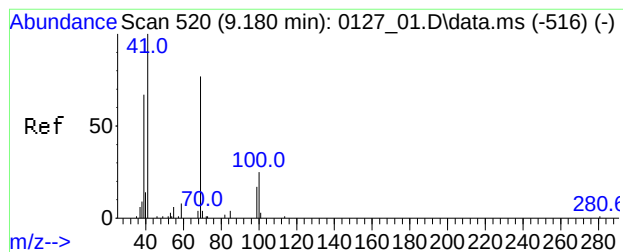
Tgt Ion: 57 Resp: 20299
Ion Ratio Lower Upper
57 100
41 111.8 63.4 95.2#
86 9.5 5.8 8.6#



#35
Cyclohexane
Conc: 8\$ 0.480 ppbv
RT: 8.675 min Scan# 636
Delta R.T. -0.000 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

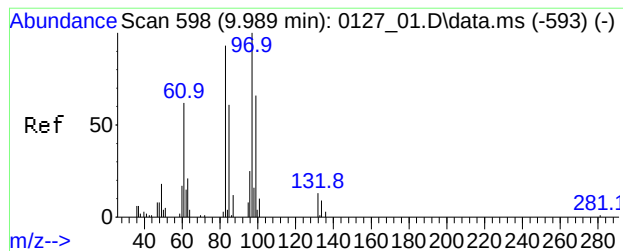
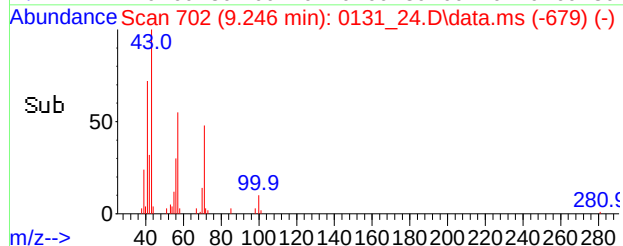
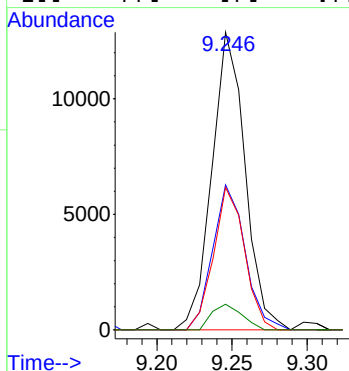
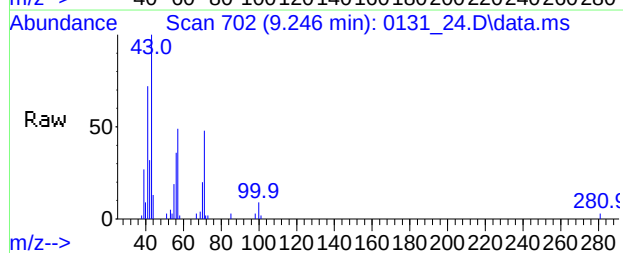
Tgt Ion: 84 Resp: 15982
Ion Ratio Lower Upper
84 100
55 80.0 63.1 94.7
42 34.9 33.3 49.9





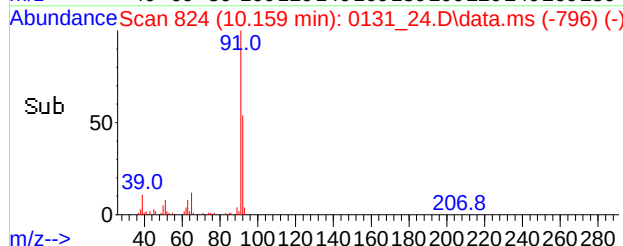
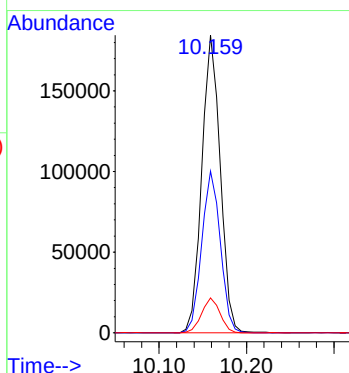
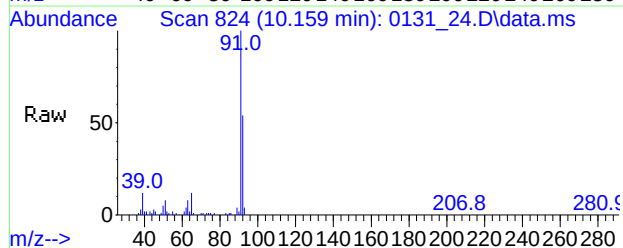
#43
Heptane
Conc: 8\$ 0.362 ppbv
RT: 9.246 min Scan# 702
Delta R.T. -0.000 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

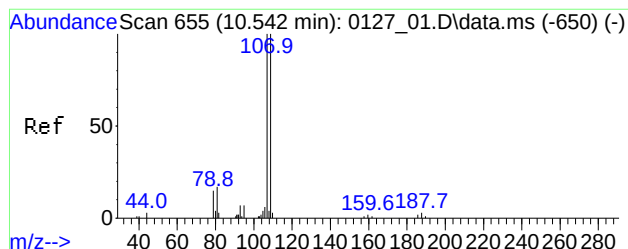
Tgt Ion:	43	Resp:	19845
Ion	Ratio	Lower	Upper
43	100		
57	47.6	42.4	63.6
71	44.6	29.4	44.0#
100	7.8	6.5	9.7



#48
Toluene
Conc: 8\$ 2.514 ppbv
RT: 10.159 min Scan# 824
Delta R.T. -0.000 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

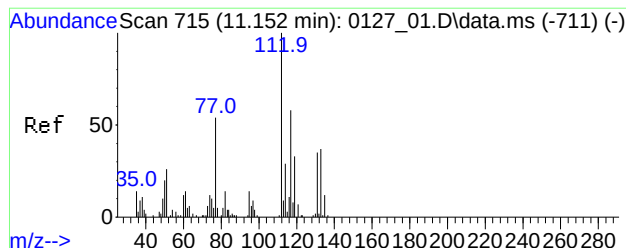
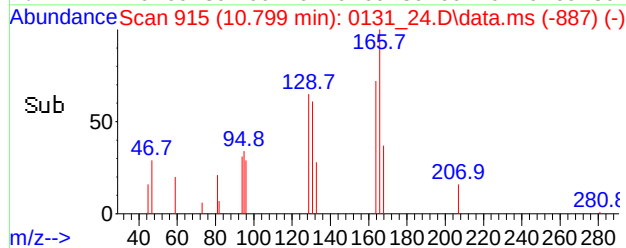
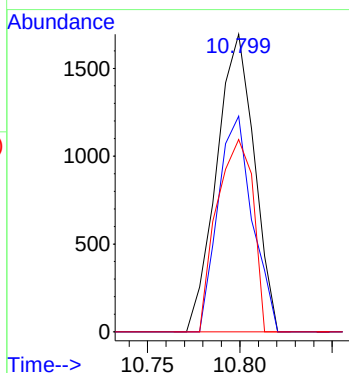
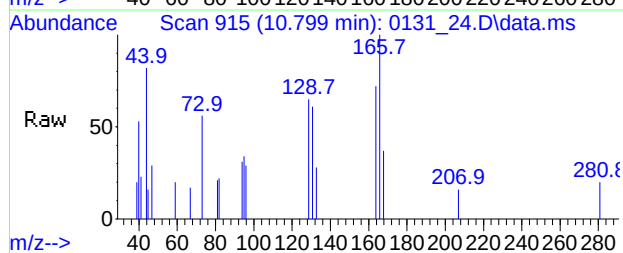
Tgt Ion:	91	Resp:	270713
Ion	Ratio	Lower	Upper
91	100		
92	54.7	45.0	67.4
65	11.7	9.4	14.2





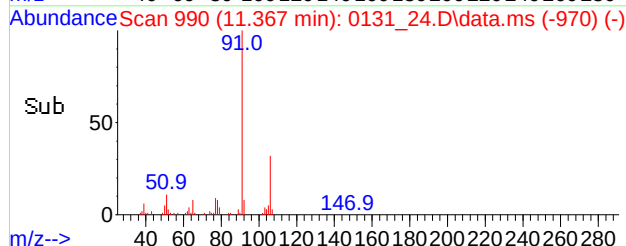
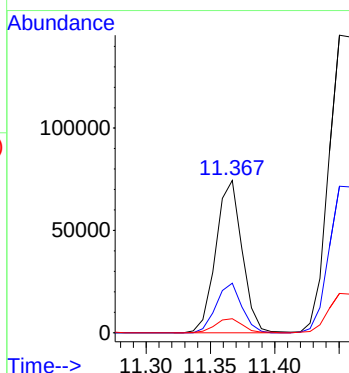
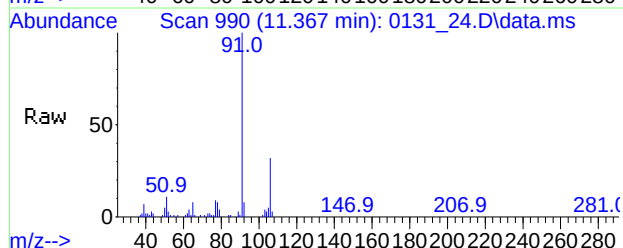
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.799 min Scan# 915
Delta R.T. 0.000 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

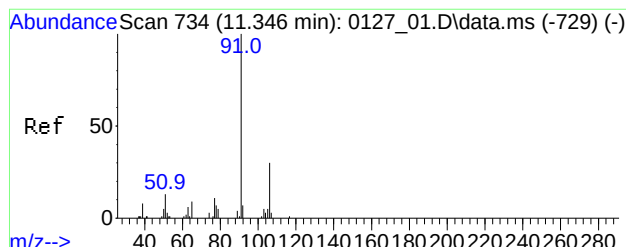
Tgt Ion: 166 Resp: 2402
Ion Ratio Lower Upper
166 100
164 66.4 64.7 97.1
129 62.3 62.2 93.2



#56
Ethylbenzene
Conc: 8\$ 0.841 ppbv
RT: 11.367 min Scan# 990
Delta R.T. -0.000 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

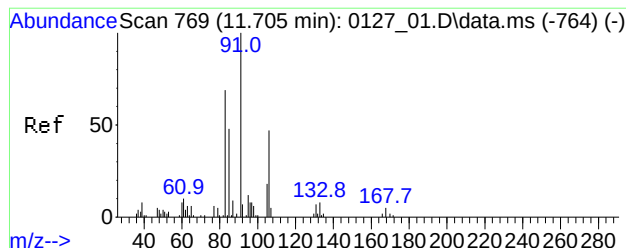
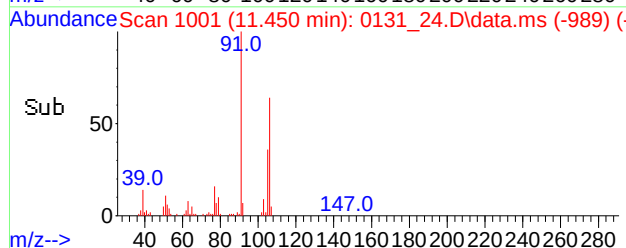
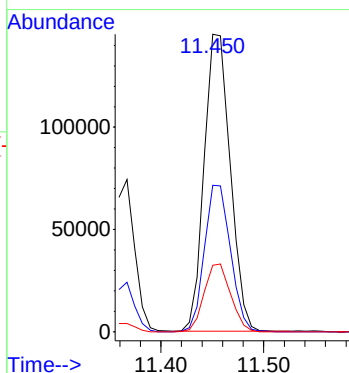
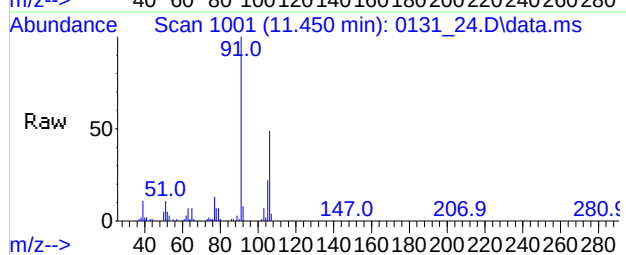
Tgt Ion: 91 Resp: 106318
Ion Ratio Lower Upper
91 100
106 31.8 13.5 53.5
77 9.9 0.0 28.3





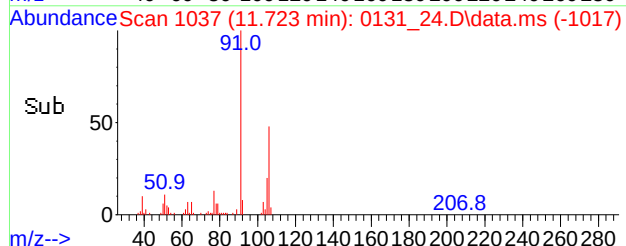
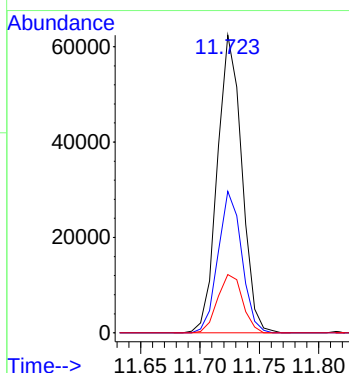
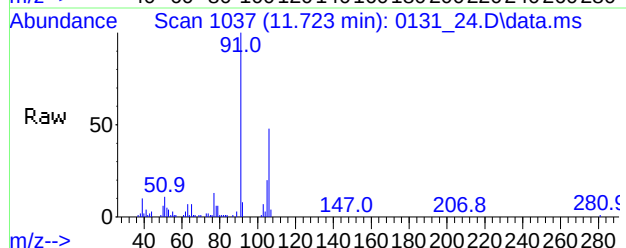
#57
m,p-Xylene
Conc: 8\$ 2.704 ppbv
RT: 11.450 min Scan# 1001
Delta R.T. -0.008 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

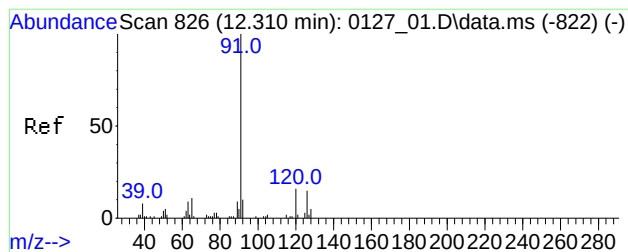
Tgt Ion: 91 Resp: 256893
Ion Ratio Lower Upper
91 100
106 49.4 41.1 61.7
105 23.2 19.5 29.3



#61
o-Xylene
Conc: 8\$ 0.873 ppbv
RT: 11.723 min Scan# 1037
Delta R.T. 0.000 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

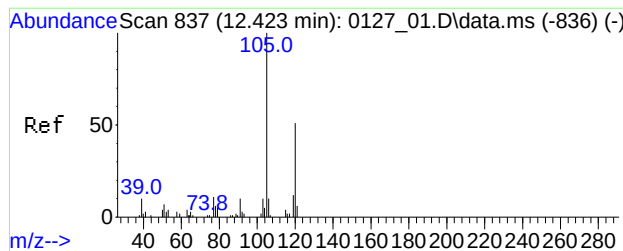
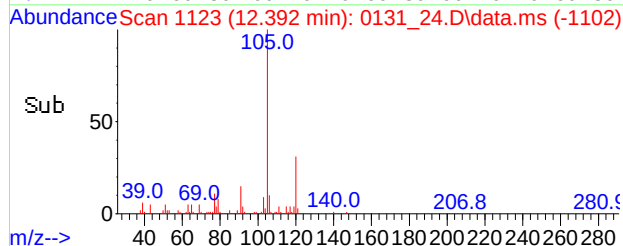
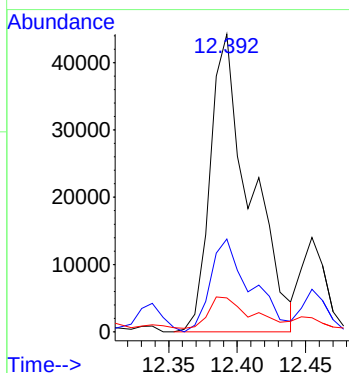
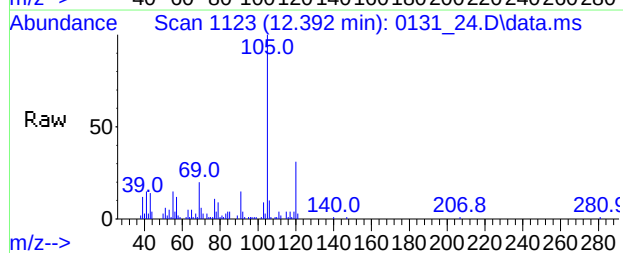
Tgt Ion: 91 Resp: 89063
Ion Ratio Lower Upper
91 100
106 46.1 39.6 59.4
105 20.0 16.7 25.1





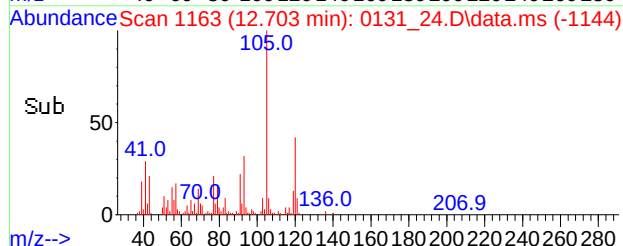
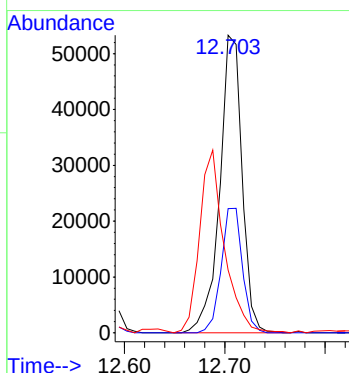
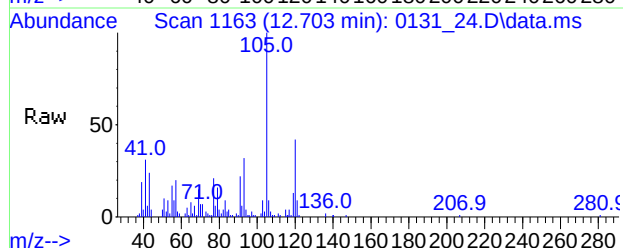
#66
4-Ethyltoluene
Conc: 8\$ 0.664 ppbv
RT: 12.392 min Scan# 1123
Delta R.T. -0.024 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

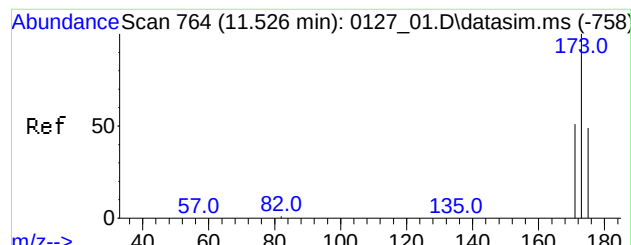
Tgt Ion:105 Resp: 90091
Ion Ratio Lower Upper
105 100
120 32.0 23.4 35.2
77 10.6 8.2 12.4



#68
1,2,4-Trimethylbenzene
Conc: 8\$ 0.708 ppbv
RT: 12.703 min Scan# 1163
Delta R.T. 0.000 min
Lab File: 0131_24.D
Acq: 1 Feb 2025 5:04 am

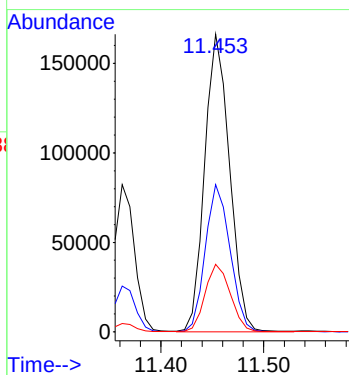
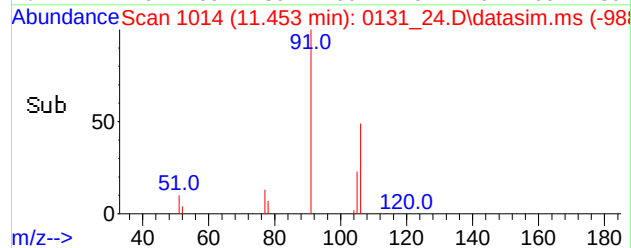
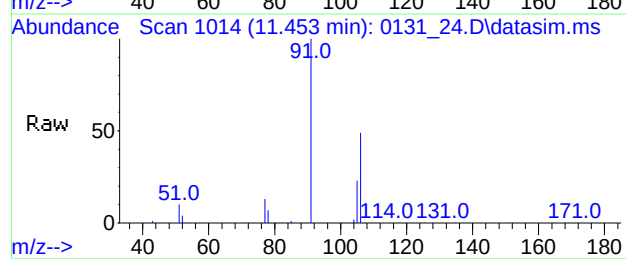
Tgt Ion:105 Resp: 82652
Ion Ratio Lower Upper
105 100
120 39.8 44.4 66.6#
77 67.6 18.2 27.4#





#107
 m,p-Xylene(sim)
 Conc: 8\$ 2.248 ppbv
 RT: 11.450 min Scan# 1014
 Delta R.T. -0.003 min
 Lab File: 0131_24.D
 Acq: 1 Feb 2025 5:04 am

Tgt Ion: 91 Resp: 258749
 Ion Ratio Lower Upper
 91 100
 106 49.0 46.3 56.5
 105 23.1 19.5 29.3



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CS55362 5X
Canister:	23326	Lab File ID:	0131_25.D
Instrument:	CHEM24	Column:	RTX-1
Purge Volume	200	(cc)	Date Received: 01/31/25
Matrix:	AIR	Dilution Factor:	5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	363	E	2.91	2.91	
75-71-8	Dichlorodifluoromethane	1.01	U	1.01	1.01	r
74-87-3	Chloromethane	2.42	U	2.42	2.42	r
106-99-0	1,3-Butadiene	16.9		2.26	2.26	r
75-00-3	Chloroethane	1.90	U	1.90	1.90	r
64-17-5	Ethanol	3.29	S	2.66	2.66	r
67-64-1	Acetone	38.4	S	2.11	2.11	r
75-69-4	Trichlorofluoromethane	2.48		0.891	0.891	r
67-63-0	Isopropylalcohol	2.04	U	2.04	2.04	r
107-13-1	Acrylonitrile	2.31	U	2.31	2.31	r
75-09-2	Methylene Chloride	4.32	U	4.32	4.32	r
75-15-0	Carbon Disulfide	6.63		1.61	1.61	r
1634-04-4	Methyl tert-butyl ether(MTBE)	1.39	U	1.39	1.39	r
78-93-3	Methyl Ethyl Ketone	1.70	U	1.70	1.70	r
110-54-3	Hexane	5.28	S	1.42	1.42	r
141-78-6	Ethyl acetate	1.39	U	1.39	1.39	r
109-99-9	Tetrahydrofuran	1.84		1.70	1.70	r
71-43-2	Benzene	1.57	U	1.57	1.57	r
110-82-7	Cyclohexane	2.68		1.45	1.45	r
540-84-1	2,2,4-trimethylpentane	1.24		1.07	1.07	r
142-82-5	Heptane	2.12		1.22	1.22	r
108-10-1	4-Methyl-2-pentanone(MIBK)	1.22	U	1.22	1.22	r
10061-02-6	trans-1,3-Dichloropropene	1.10	U	1.10	1.10	r
108-88-3	Toluene	9.53		1.33	1.33	r
591-78-6	2-Hexanone(MBK)	1.22	U	1.22	1.22	r
630-20-6	1,1,1,2-Tetrachloroethane	0.729	U	0.729	0.729	r
108-90-7	Chlorobenzene	1.09	U	1.09	1.09	r
100-41-4	Ethylbenzene	3.48		1.15	1.15	r
179601-23-1	m,p-Xylene	11.5		1.15	1.15	r
100-42-5	Styrene	1.17	U	1.17	1.17	r
95-47-6	o-Xylene	3.67		1.15	1.15	r
98-82-8	Isopropylbenzene	1.02	U	1.02	1.02	r
622-96-8	4-Ethyltoluene	3.00		1.02	1.02	r
108-67-8	1,3,5-Trimethylbenzene	1.02	U	1.02	1.02	r
95-63-6	1,2,4-Trimethylbenzene	2.85		1.02	1.02	r
91-20-3	Naphthalene	1.00	U	1.00	1.00	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	SV-B 5X
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55362 5X</u>	
Canister:	<u>23326</u>	Lab File ID:	<u>0131_25.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u>	(cc)	Date Analyzed:	<u>02/01/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>5</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.716	U	0.716	0.716	r
75-01-4	Vinyl Chloride(sim)	0.390	U	0.390	0.390	r
74-83-9	Bromomethane(sim)	1.29	U	1.29	1.29	r
107-06-2	1,2-Dichloroethane(sim)	1.24	U	1.24	1.24	r
71-55-6	1,1,1-Trichloroethane(sim)	0.917	U	0.917	0.917	r
56-23-5	Carbon Tetrachloride(sim)	0.159	U	0.159	0.159	r
75-35-4	1,1-Dichloroethene(sim)	0.252	U	0.252	0.252	r
76-13-1	Trichlorotrifluoroethane(sim)	0.653	U	0.653	0.653	r
156-60-5	Trans-1,2-Dichloroethene(sim)	1.26	U	1.26	1.26	r
75-34-3	1,1-Dichloroethane(sim)	1.24	U	1.24	1.24	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
67-66-3	Chloroform(sim)	1.02	U	1.02	1.02	r
78-87-5	1,2-dichloropropane(sim)	1.08	U	1.08	1.08	r
75-27-4	Bromodichloromethane(sim)	0.747	U	0.747	0.747	r
79-01-6	Trichloroethene(sim)	0.260		0.185	0.185	r
123-91-1	1,4-Dioxane(sim)	1.39	U	1.39	1.39	r
10061-01-5	cis-1,3-Dichloropropene(sim)	1.10	U	1.10	1.10	r
79-00-5	1,1,2-Trichloroethane(sim)	0.917	U	0.917	0.917	r
124-48-1	Dibromochloromethane(sim)	0.587	U	0.587	0.587	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.651	U	0.651	0.651	r
127-18-4	Tetrachloroethene(sim)	0.184	U	0.184	0.184	r
75-25-2	Bromoform(sim)	0.484	U	0.484	0.484	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.729	U	0.729	0.729	r
100-44-7	Benzyl chloride(sim)	0.966	U	0.966	0.966	r
541-73-1	1,3-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
106-46-7	1,4-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
135-98-8	sec-Butylbenzene(sim)	0.911	U	0.911	0.911	r
99-87-6	4-Isopropyltoluene(sim)	0.911	U	0.911	0.911	r
95-50-1	1,2-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
104-51-8	n-Butylbenzene(sim)	0.911	U	0.911	0.911	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.674	U	0.674	0.674	r
87-68-3	Hexachlorobutadiene(sim)	0.469	U	0.469	0.469	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\01JAN\31\
 Data File : 0131_25.D
 Acq On : 1 Feb 2025 5:41 am
 Operator : Keith
 Client ID : SV-B 5X
 Lab ID : CS55362 5X
 ALS Vial : 26 Sample Multiplier: 1

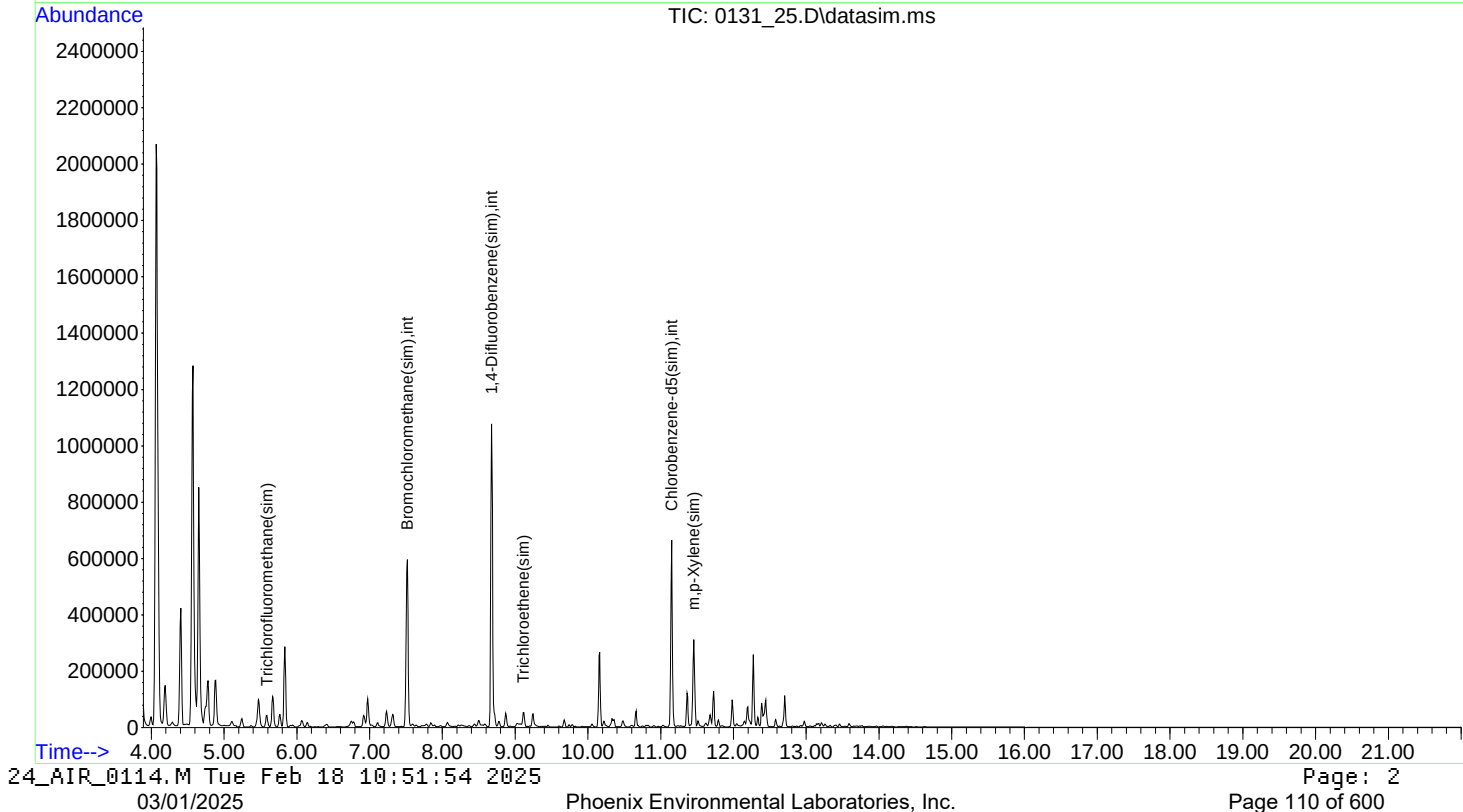
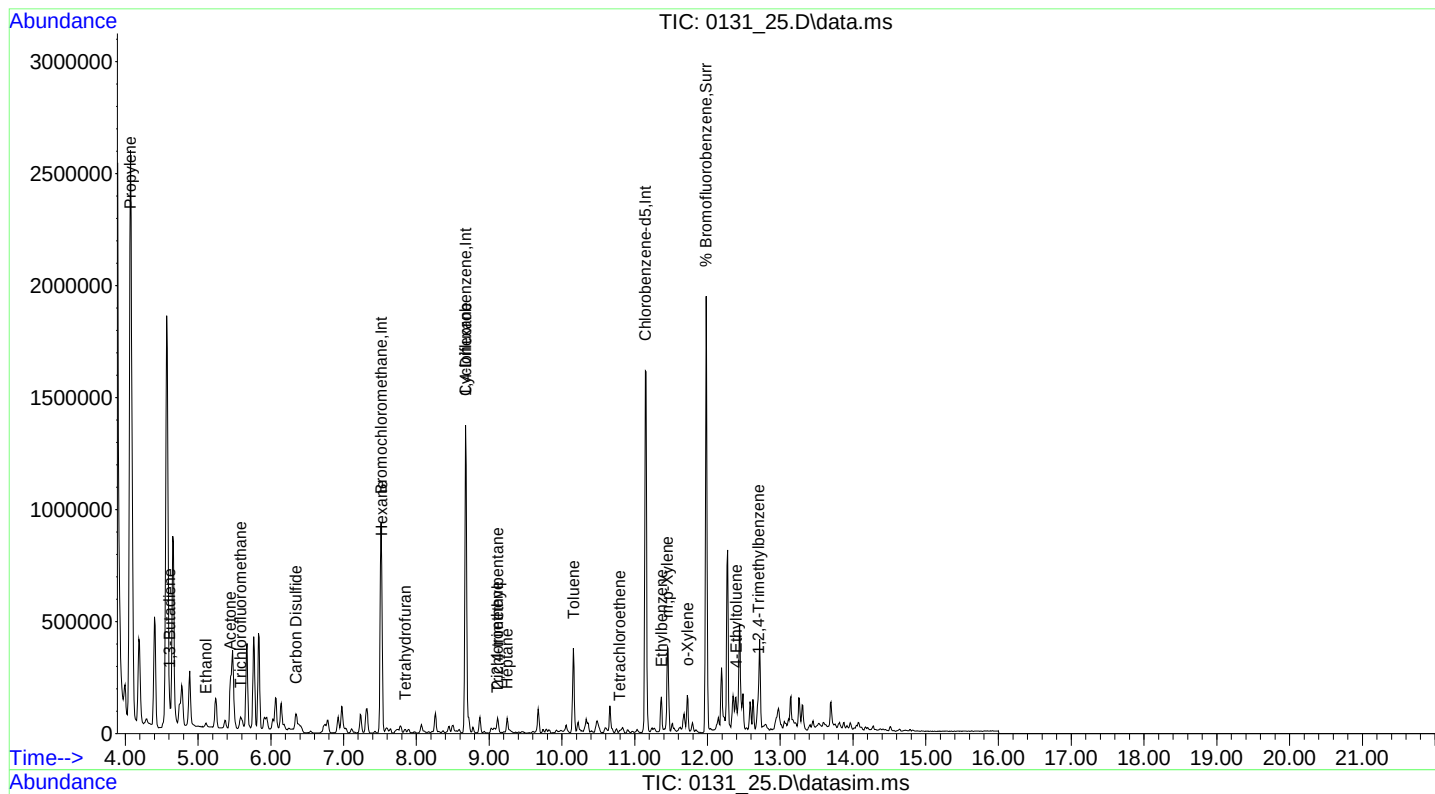
Quant Time: Feb 01 11:13:06 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

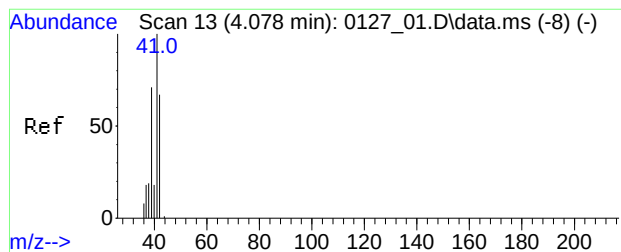
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	265011	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	927336	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	440650	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	264366	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	927336	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	440650	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	552379	10.269	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.70%
Target Compounds						
					Qvalue	
2) Propylene	4.070	41	1739731	72.636	ppbv	90
7) 1,3-Butadiene	4.609	54	80818	3.387	ppbv#	1
11) Ethanol	5.107	45	9547m	0.657	ppbv	61
12) Acetone	5.443	43	378525	7.671	ppbv#	78
13) Trichlorofluoromethane	5.584	101	42626	0.495	ppbv	97
20) Carbon Disulfide	6.344	76	102818	1.325	ppbv	99
27) Hexane	7.523	57	44210	1.056	ppbv#	60
30) Tetrahydrofuran	7.848	42	10938	0.368	ppbv	99
35) Cyclohexane	8.675	84	17674	0.535	ppbv	98
39) Trichloroethene	9.107	130	2405	0.054	ppbv	89
40) 2,2,4-trimethylpentane	9.116	57	34621	0.248	ppbv#	83
43) Heptane	9.246	43	23773	0.424	ppbv	91
48) Toluene	10.159	91	210187	1.906	ppbv	99
52) Tetrachloroethene	10.792	166	2434	0.040	ppbv	96
56) Ethylbenzene	11.367	91	91830	0.696	ppbv	97
57) m, p-Xylene	11.450	91	228693	2.308	ppbv	97
61) o-Xylene	11.723	91	77885	0.733	ppbv	97
66) 4-Ethyltoluene	12.393	105	84723	0.599	ppbv	95
68) 1,2,4-Trimethylbenzene	12.704	105	69429	0.570	ppbv#	88
84] Trichlorofluoromethane...	5.587	101	43110	0.478	ppbv#	99
98] Trichloroethene(sim)	9.110	130	2533	0.052	ppbv	91
104] Tetrachloroethene(sim)	10.795	166	2632	0.036	ppbv	100
107] m, p-Xylene(sim)	11.450	91	231226	1.927	ppbv	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

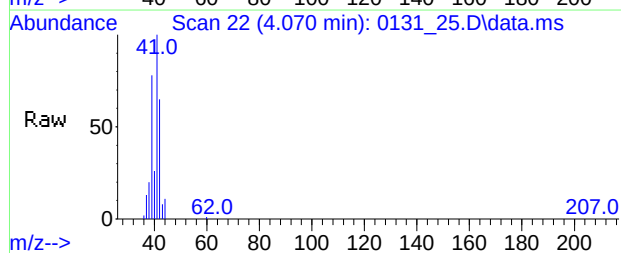
Data Path : H:\AIR2025\CHEM24\01JAN\31\
Data File : 0131_25.D
Acq On : 1 Feb 2025 5:41 am
Operator : Keith
Client ID : SV-B 5X
Lab ID : CS55362 5X
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Feb 01 11:13:06 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 24 09:47:42 2025
Response via : Initial Calibration



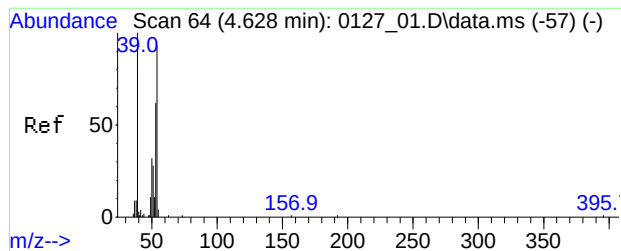
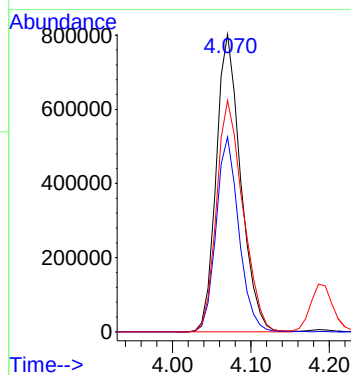
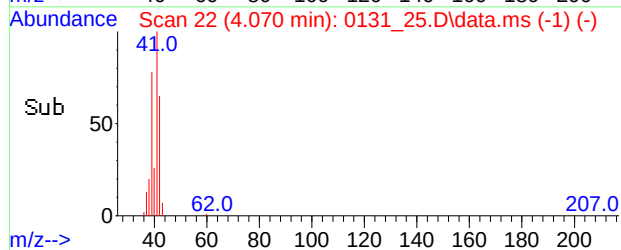


#2
Propylene
Conc: 8\$ 72.636 ppbv
RT: 4.070 min Scan# 22
Delta R.T. 0.000 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

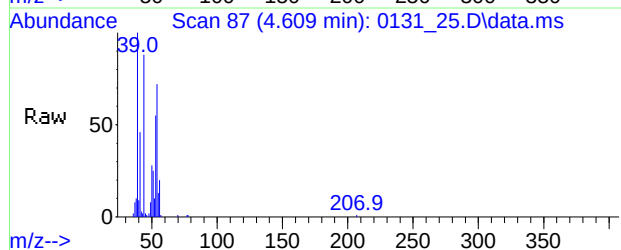


Tgt Ion: 41 Resp: 1739731

Ion	Ratio	Lower	Upper
41	100		
42	60.9	51.9	77.9
39	84.0	57.8	86.8

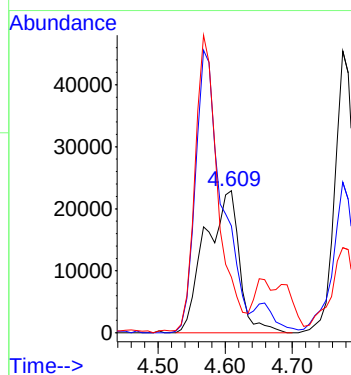
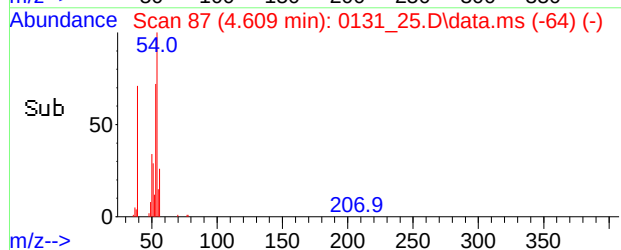


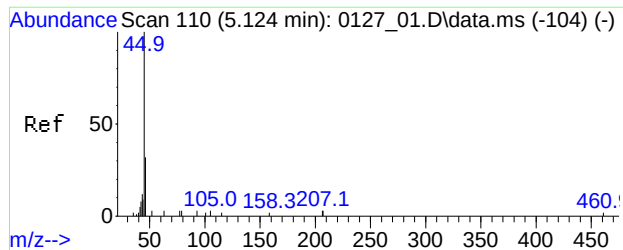
#7
1,3-Butadiene
Conc: 8\$ 3.387 ppbv
RT: 4.609 min Scan# 87
Delta R.T. -0.009 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am



Tgt Ion: 54 Resp: 80818

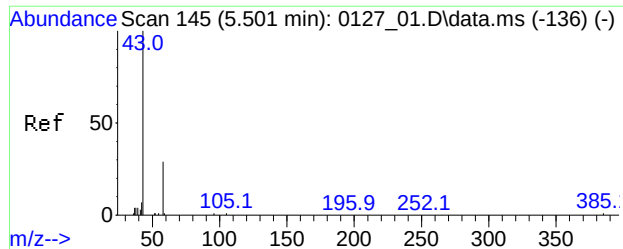
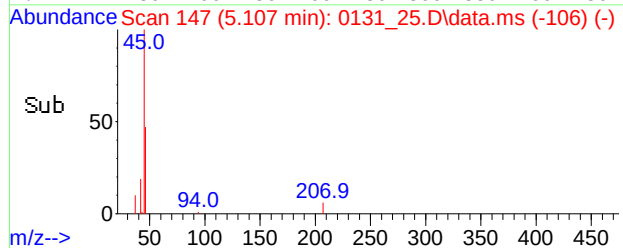
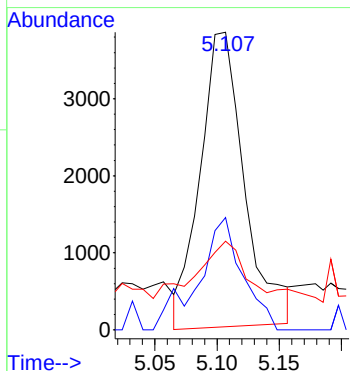
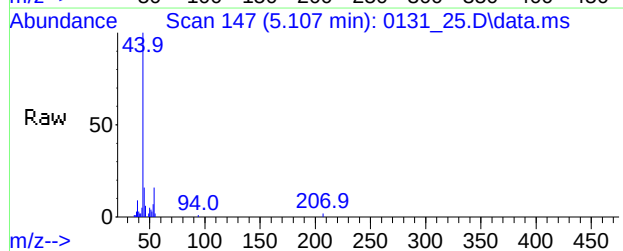
Ion	Ratio	Lower	Upper
54	100		
53	155.0	63.6	95.4#
50	143.2	28.3	42.5#





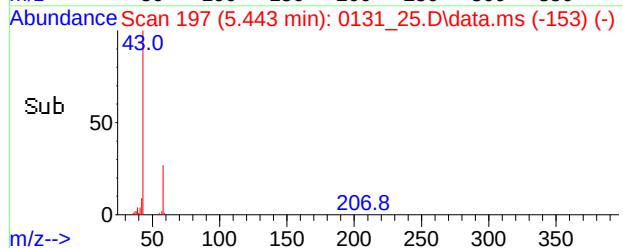
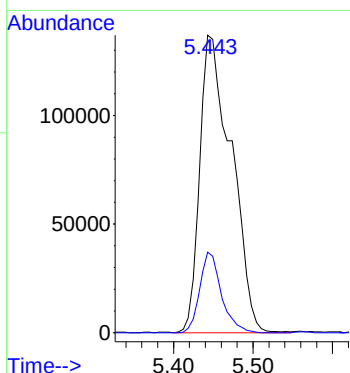
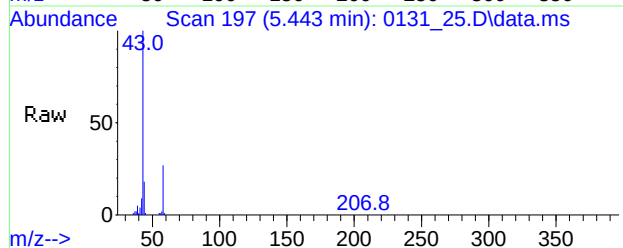
#11
Ethanol
Conc: 8\$ 0.657 ppbv
RT: 5.107 min Scan# 147
Delta R.T. 0.042 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

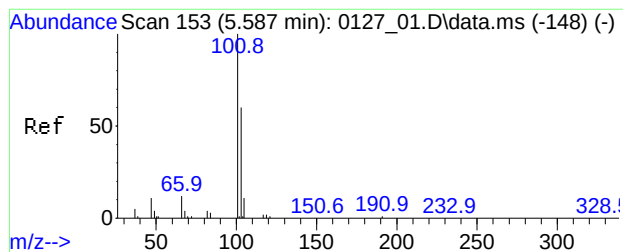
Tgt Ion: 45 Resp: 9547
Ion Ratio Lower Upper
45 100
46 1.9 25.0 37.6#
43 0.0 20.0 30.0#



#12
Acetone
Conc: 8\$ 7.671 ppbv
RT: 5.443 min Scan# 197
Delta R.T. -0.012 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

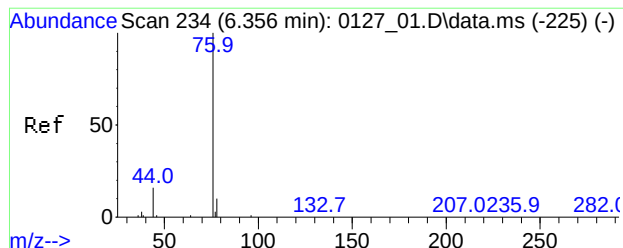
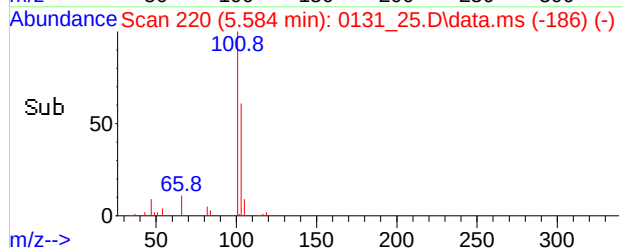
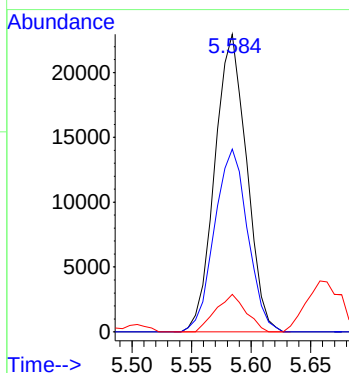
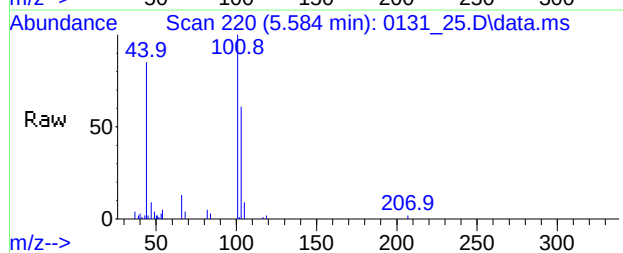
Tgt Ion: 43 Resp: 378525
Ion Ratio Lower Upper
43 100
58 18.6 24.6 37.0#





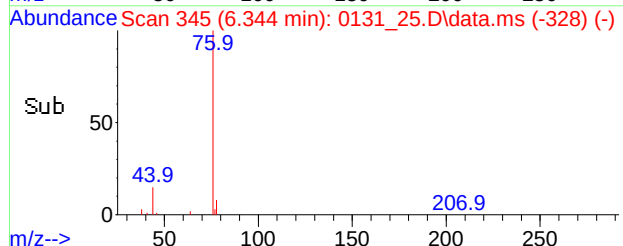
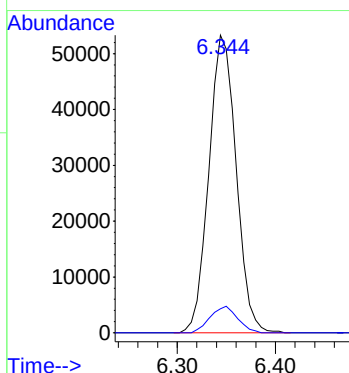
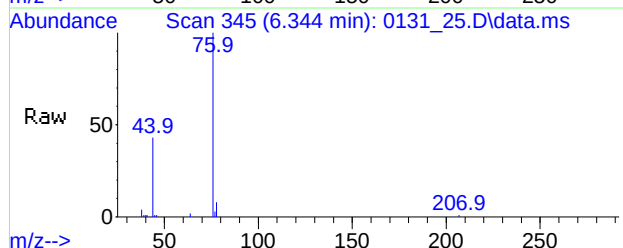
#13
Trichlorofluoromethane
Conc: 8\$ 0.495 ppbv
RT: 5.584 min Scan# 220
Delta R.T. 0.006 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

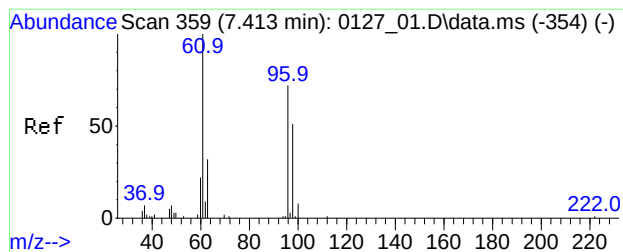
Tgt Ion: 101 Resp: 42626
Ion Ratio Lower Upper
101 100
103 64.2 53.4 80.2
66 12.0 9.3 13.9



#20
Carbon Disulfide
Conc: 8\$ 1.325 ppbv
RT: 6.344 min Scan# 345
Delta R.T. -0.000 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

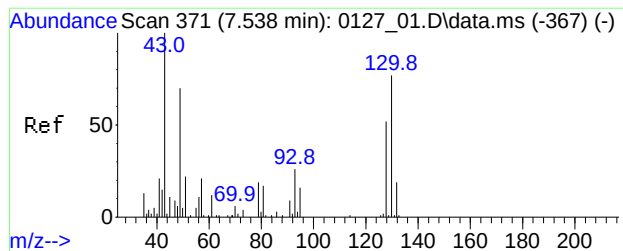
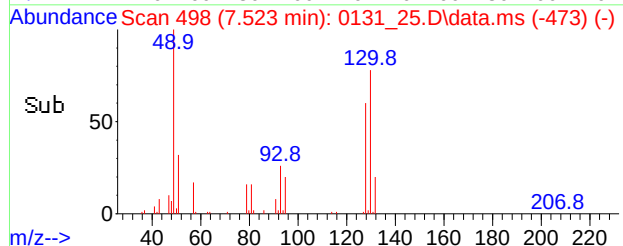
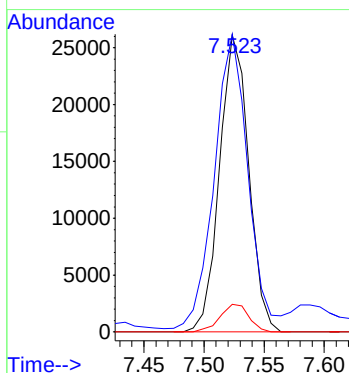
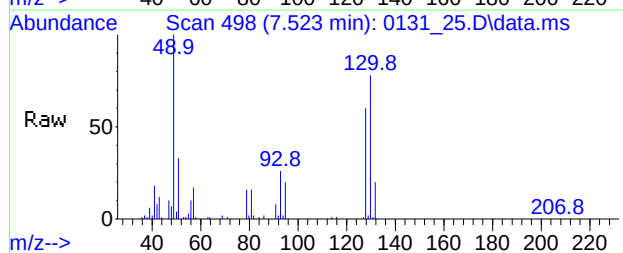
Tgt Ion: 76 Resp: 102818
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6





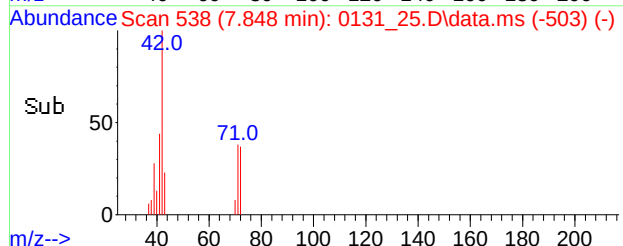
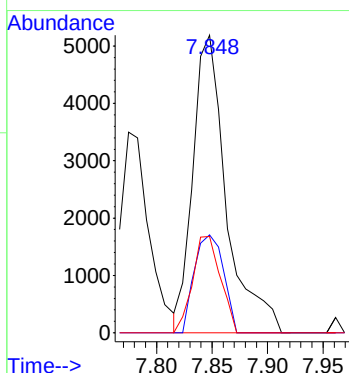
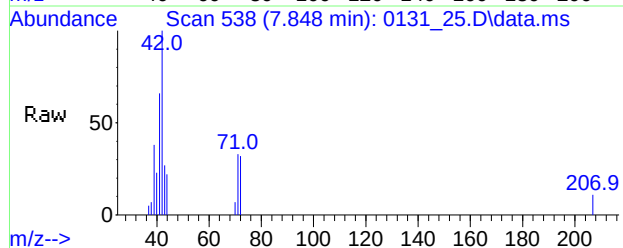
#27
Hexane
Conc: 8\$ 1.056 ppbv
RT: 7.523 min Scan# 498
Delta R.T. 0.000 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

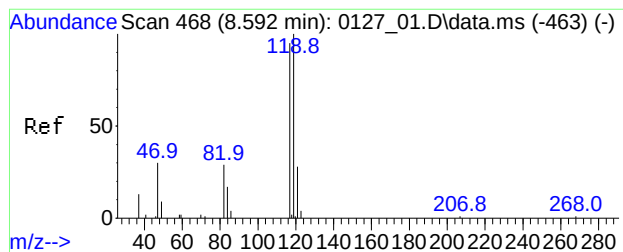
Tgt Ion: 57 Resp: 44210
Ion Ratio Lower Upper
57 100
41 117.1 63.4 95.2#
86 9.2 5.8 8.6#



#30
Tetrahydrofuran
Conc: 8\$ 0.368 ppbv
RT: 7.848 min Scan# 538
Delta R.T. -0.016 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

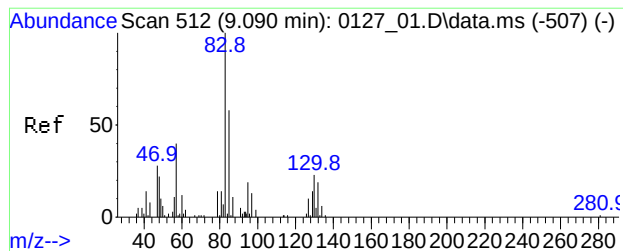
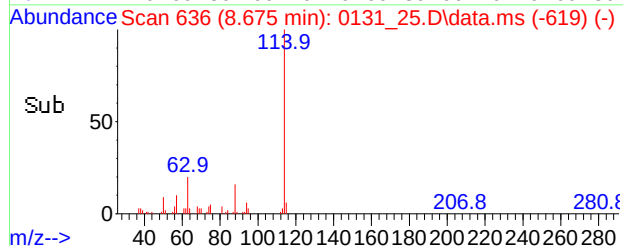
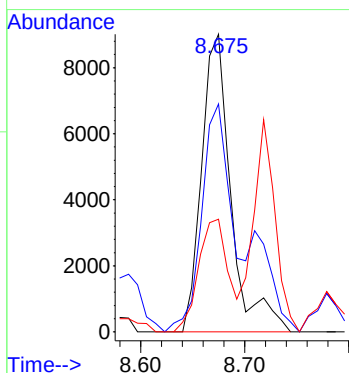
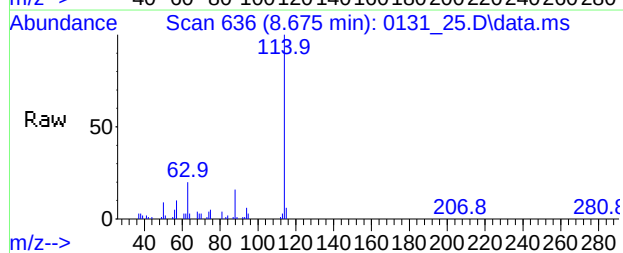
Tgt Ion: 42 Resp: 10938
Ion Ratio Lower Upper
42 100
71 28.5 23.5 35.3
72 27.0 21.5 32.3





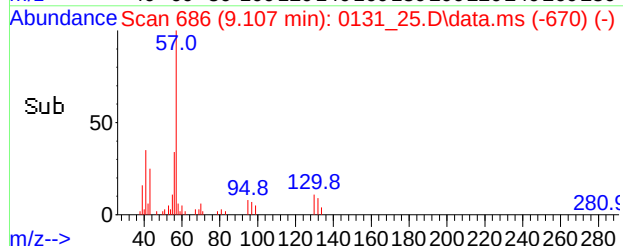
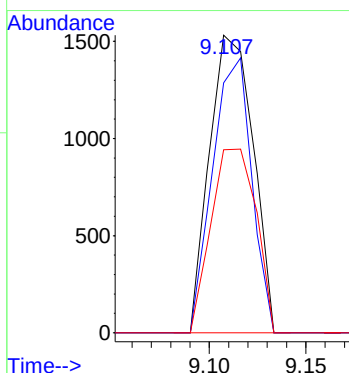
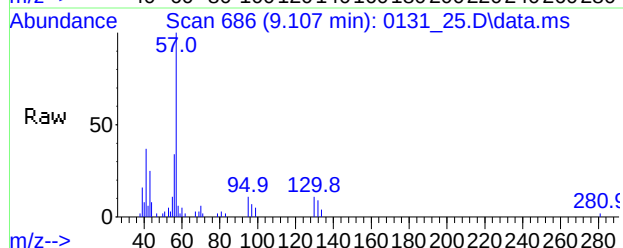
#35
Cyclohexane
Conc: 8\$ 0.535 ppbv
RT: 8.675 min Scan# 636
Delta R.T. -0.000 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

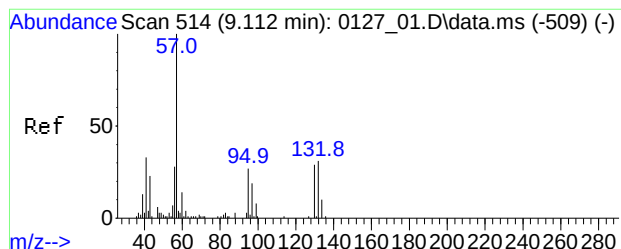
Tgt Ion: 84 Resp: 17674
Ion Ratio Lower Upper
84 100
55 79.0 63.1 94.7
42 38.3 33.3 49.9



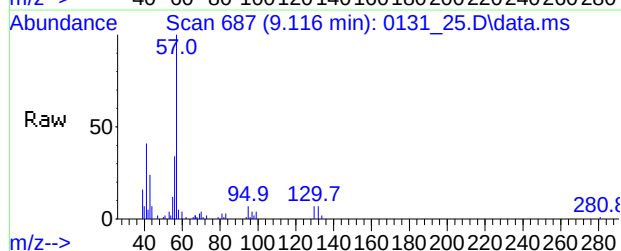
#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 9.107 min Scan# 686
Delta R.T. -0.009 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

Tgt Ion: 130 Resp: 2405
Ion Ratio Lower Upper
130 100
132 82.5 77.9 116.9
97 63.8 48.3 72.5

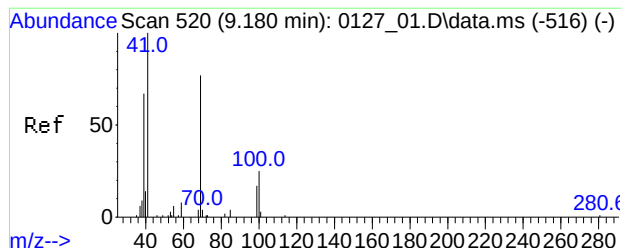
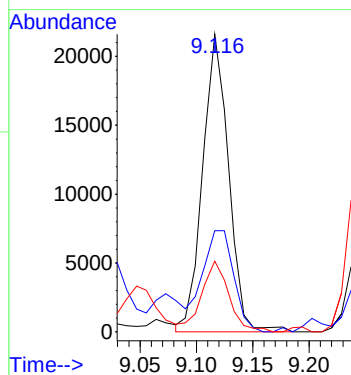
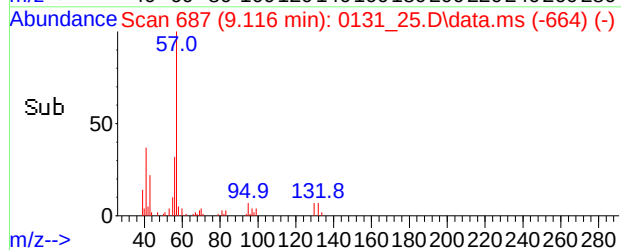




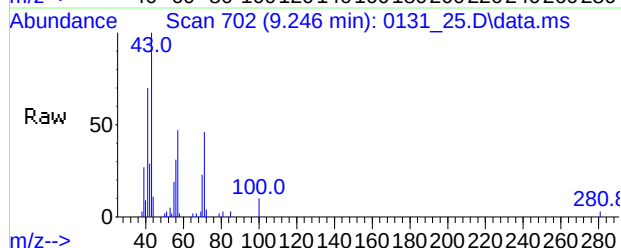
#40
2,2,4-trimethylpentane
Conc: 8\$ 0.248 ppbv
RT: 9.116 min Scan# 687
Delta R.T. 0.000 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am



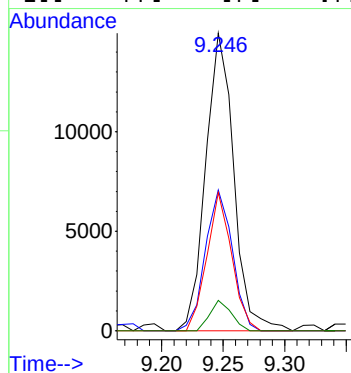
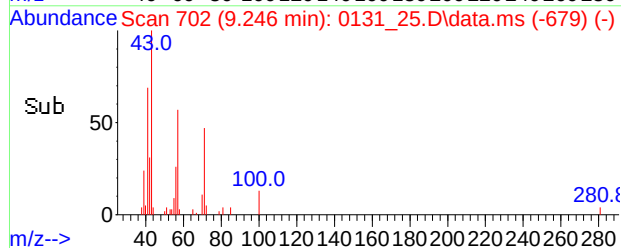
Tgt Ion: 57 Resp: 34621
Ion Ratio Lower Upper
57 100
56 41.1 22.9 34.3#
43 25.2 17.0 25.4

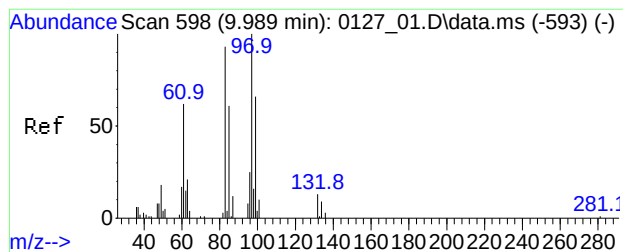


#43
Heptane
Conc: 8\$ 0.424 ppbv
RT: 9.246 min Scan# 702
Delta R.T. -0.000 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am



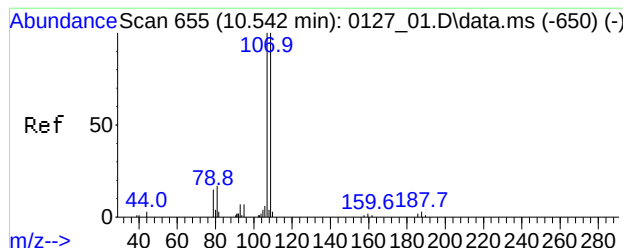
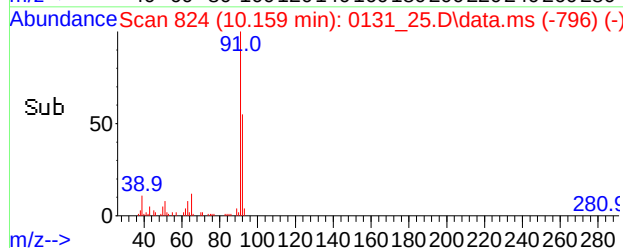
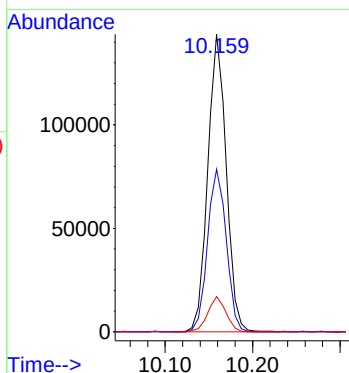
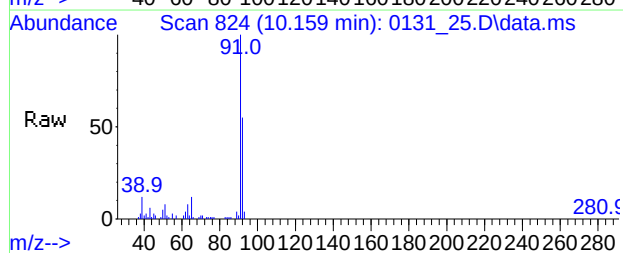
Tgt Ion: 43 Resp: 23773
Ion Ratio Lower Upper
43 100
57 45.5 42.4 63.6
71 41.1 29.4 44.0
100 7.8 6.5 9.7





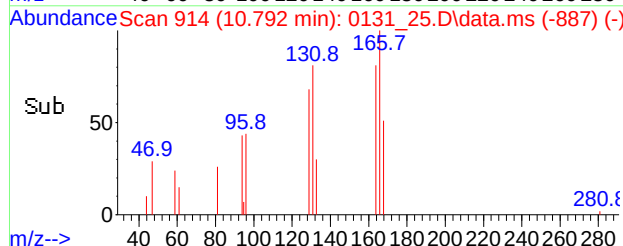
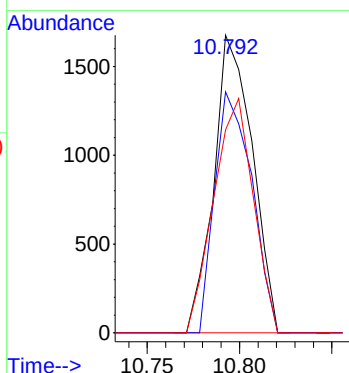
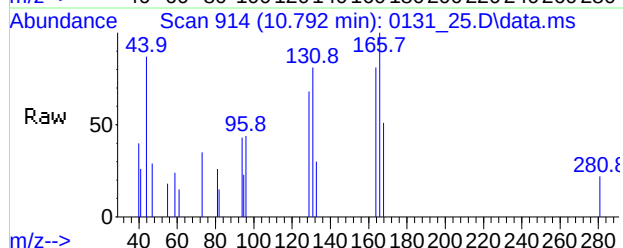
#48
Toluene
Conc: 8\$ 1.906 ppbv
RT: 10.159 min Scan# 824
Delta R.T. -0.000 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

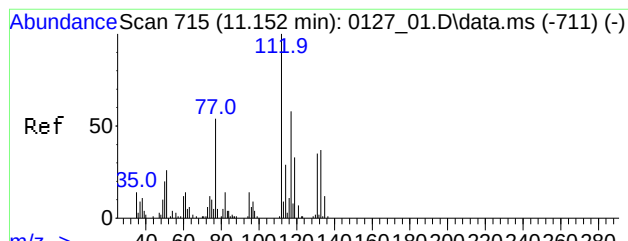
Tgt Ion: 91 Resp: 210187
Ion Ratio Lower Upper
91 100
92 55.4 45.0 67.4
65 11.6 9.4 14.2



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.792 min Scan# 914
Delta R.T. -0.007 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

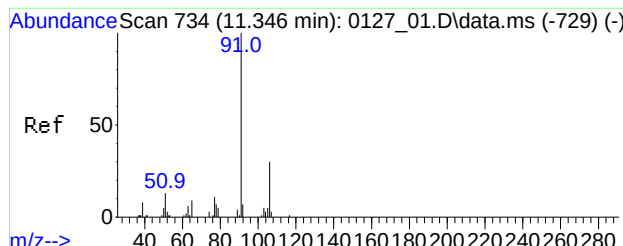
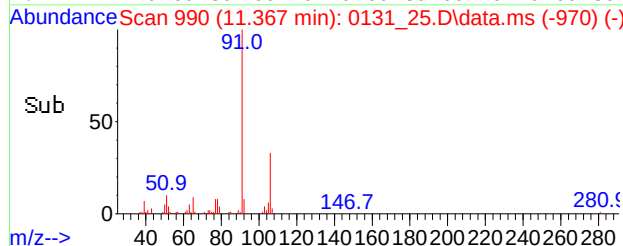
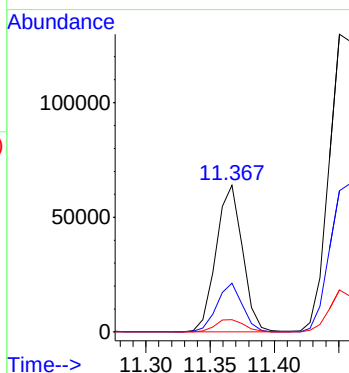
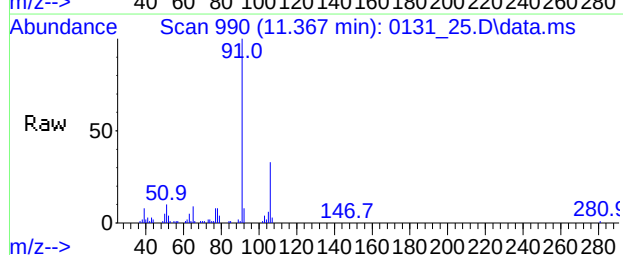
Tgt Ion: 166 Resp: 2434
Ion Ratio Lower Upper
166 100
164 77.7 64.7 97.1
129 80.8 62.2 93.2





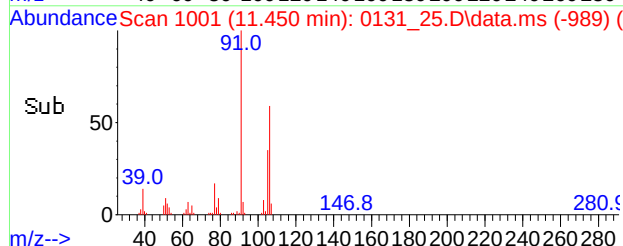
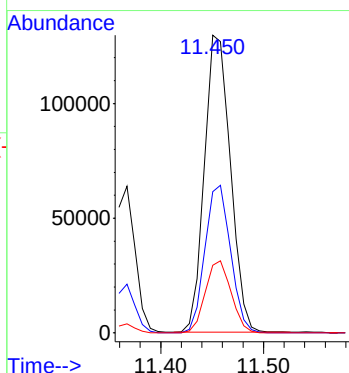
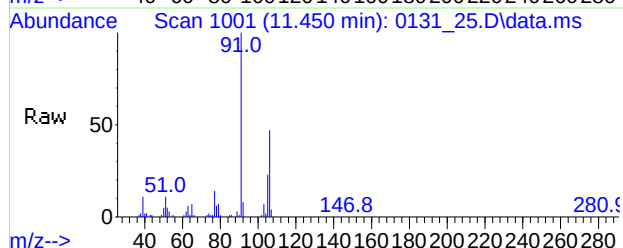
#56
Ethylbenzene
Conc: 8\$ 0.696 ppbv
RT: 11.367 min Scan# 990
Delta R.T. 0.000 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

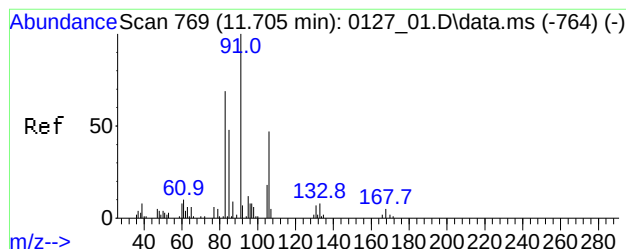
Tgt Ion: 91 Resp: 91830
Ion Ratio Lower Upper
91 100
106 32.0 13.5 53.5
77 9.2 0.0 28.3



#57
m,p-Xylene
Conc: 8\$ 2.308 ppbv
RT: 11.450 min Scan# 1001
Delta R.T. -0.008 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

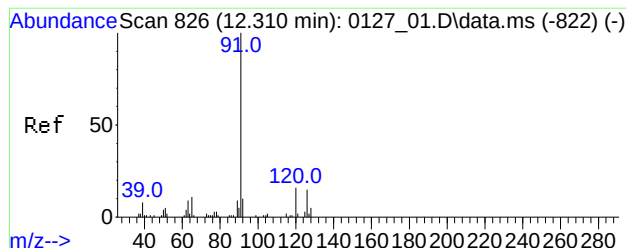
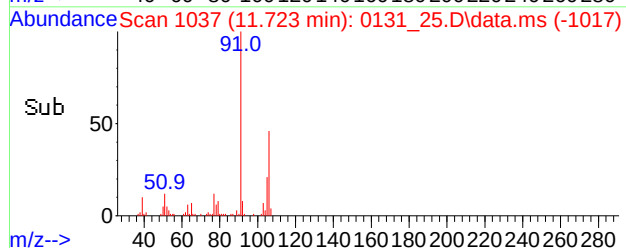
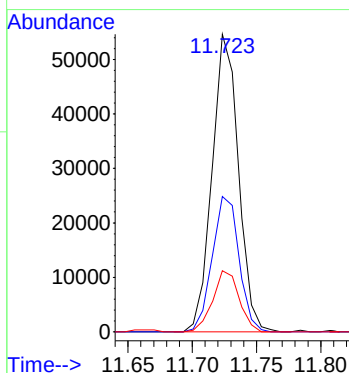
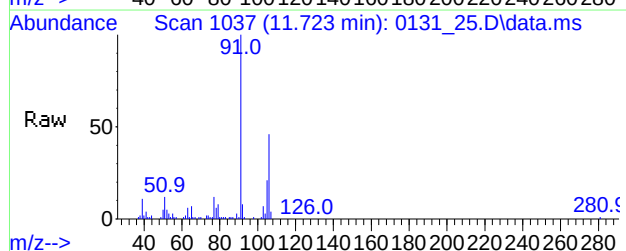
Tgt Ion: 91 Resp: 228693
Ion Ratio Lower Upper
91 100
106 48.8 41.1 61.7
105 23.9 19.5 29.3





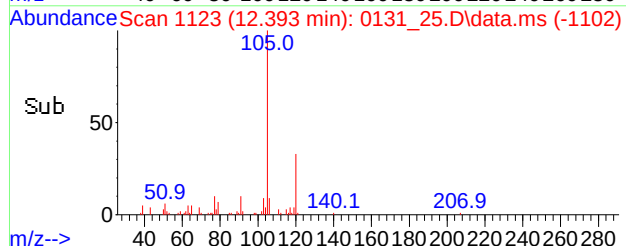
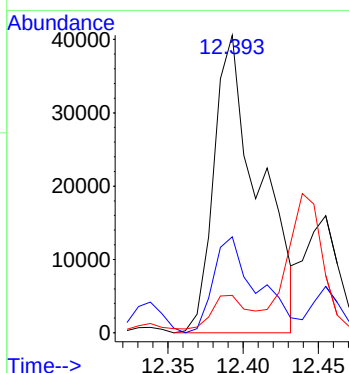
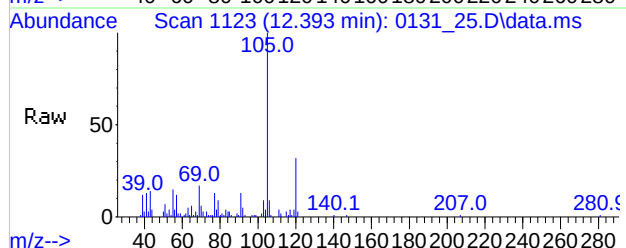
#61
o-Xylene
Conc: 8\$ 0.733 ppbv
RT: 11.723 min Scan# 1037
Delta R.T. 0.000 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

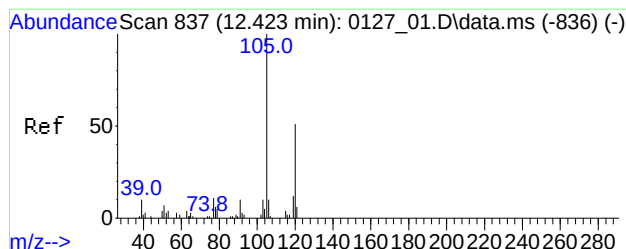
Tgt Ion: 91 Resp: 77885
Ion Ratio Lower Upper
91 100
106 46.3 39.6 59.4
105 20.5 16.7 25.1



#66
4-Ethyltoluene
Conc: 8\$ 0.599 ppbv
RT: 12.393 min Scan# 1123
Delta R.T. -0.023 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

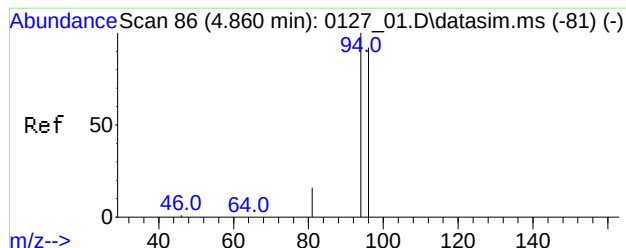
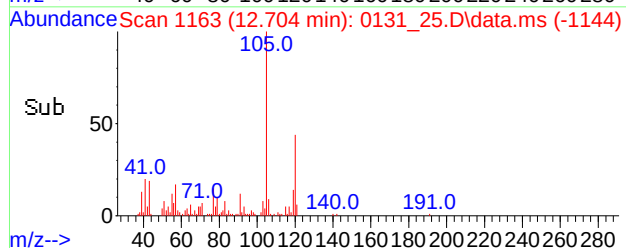
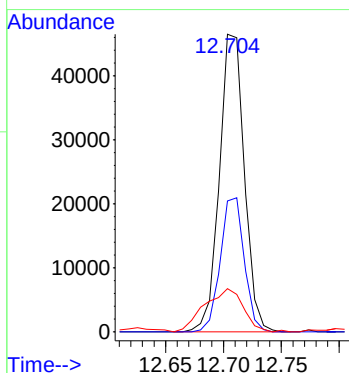
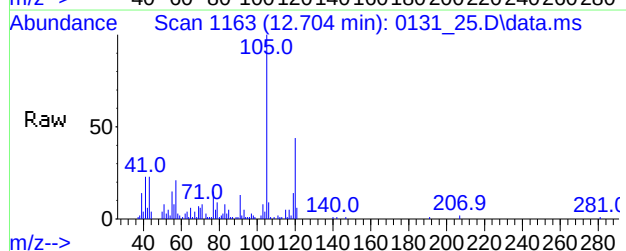
Tgt Ion: 105 Resp: 84723
Ion Ratio Lower Upper
105 100
120 32.1 23.4 35.2
77 8.9 8.2 12.4





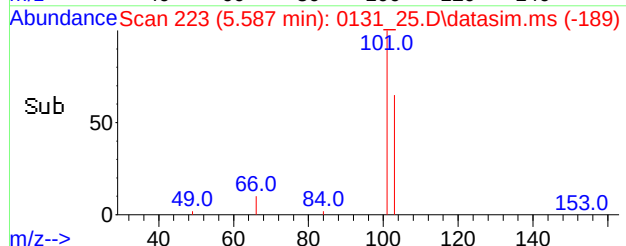
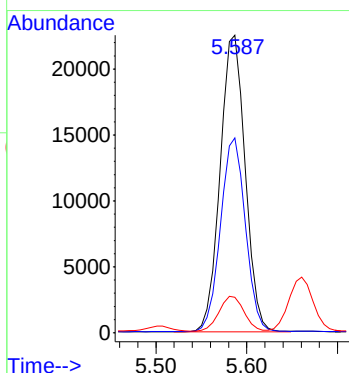
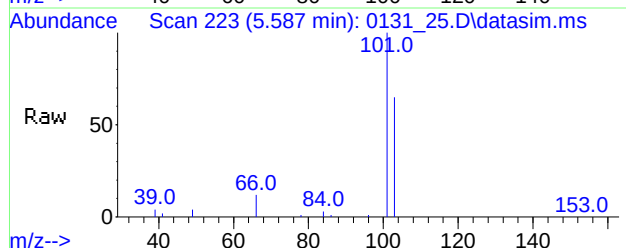
#68
1,2,4-Trimethylbenzene
Conc: 8\$ 0.570 ppbv
RT: 12.704 min Scan# 1163
Delta R.T. 0.001 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

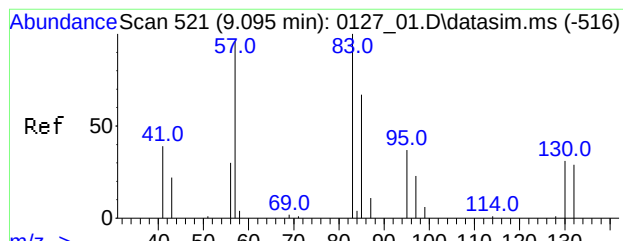
Tgt Ion: 105 Resp: 69429
Ion Ratio Lower Upper
105 100
120 43.2 44.4 66.6#
77 22.6 18.2 27.4



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.478 ppbv
RT: 5.587 min Scan# 223
Delta R.T. 0.006 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

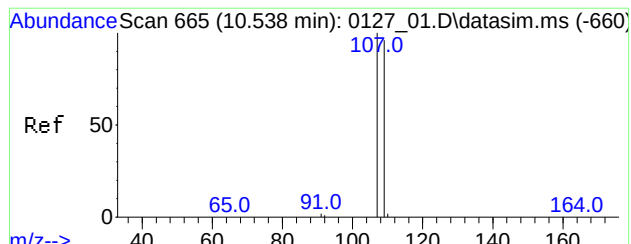
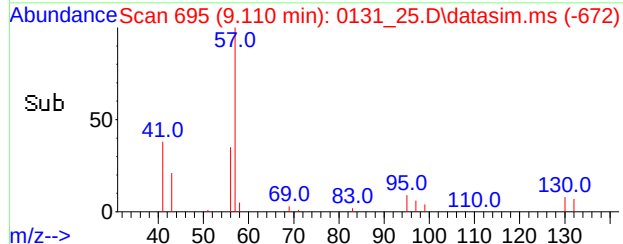
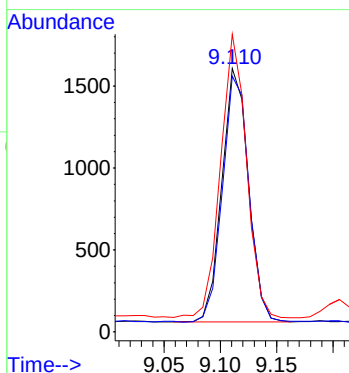
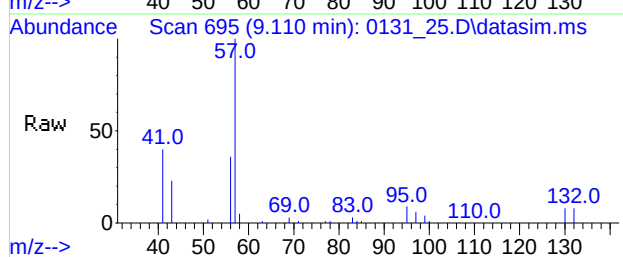
Tgt Ion: 101 Resp: 43110
Ion Ratio Lower Upper
101 100
103 64.9 52.4 78.6
66 12.5 11.4 11.4#





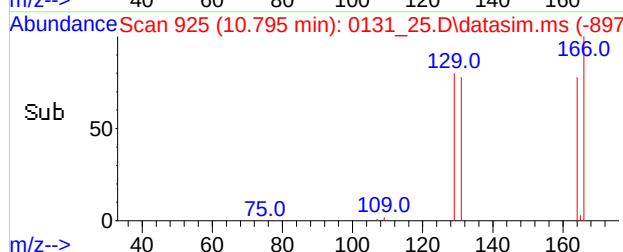
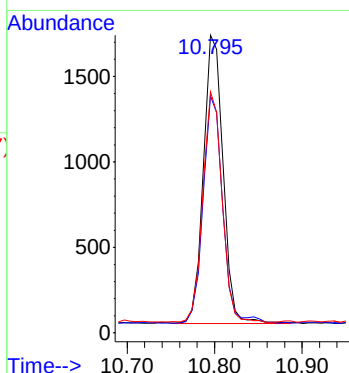
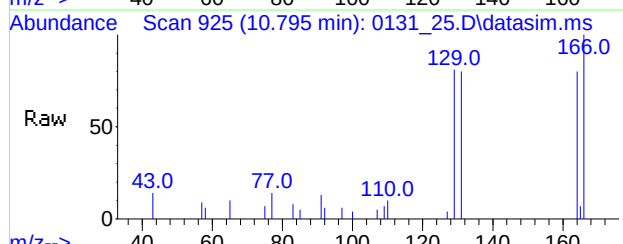
#98
Trichloroethene(sim)
Conc: 8\$ 0.052 ppbv
RT: 9.110 min Scan# 695
Delta R.T. 0.000 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

Tgt Ion:130 Resp: 2533
Ion Ratio Lower Upper
130 100
132 97.4 77.5 116.3
95 109.4 73.8 110.6

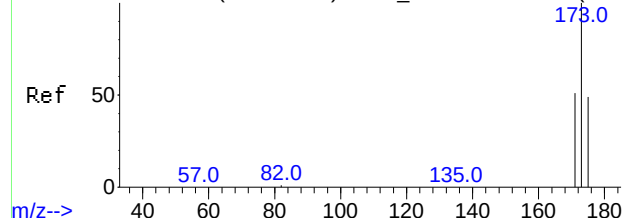


#104
Tetrachloroethene(sim)
Conc: 8\$ 0.036 ppbv
RT: 10.795 min Scan# 925
Delta R.T. 0.000 min
Lab File: 0131_25.D
Acq: 1 Feb 2025 5:41 am

Tgt Ion:166 Resp: 2632
Ion Ratio Lower Upper
166 100
164 78.2 58.0 98.0
129 77.7 58.0 98.0



Abundance Scan 764 (11.526 min): 0127_01.D\data.ms (-758)

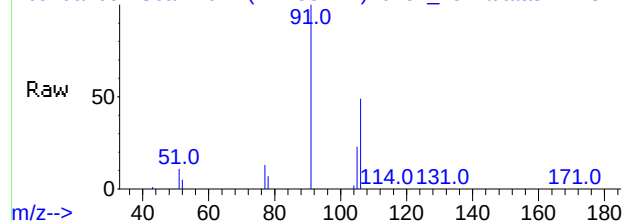


#107

m,p-Xylene(sim)
 Conc: 8\$ 1.927 ppbv
 RT: 11.450 min Scan# 1014
 Delta R.T. -0.003 min
 Lab File: 0131_25.D
 Acq: 1 Feb 2025 5:41 am

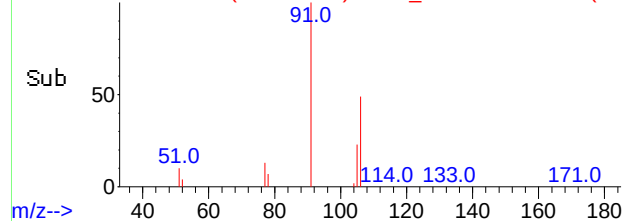
m/z-->

Abundance Scan 1014 (11.453 min): 0131_25.D\data.ms



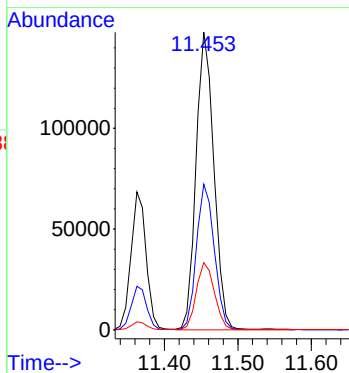
m/z-->

Abundance Scan 1014 (11.453 min): 0131_25.D\data.ms (-98)



m/z-->

Tgt Ion: 91 Resp: 231226
 Ion Ratio Lower Upper
 91 100
 106 48.3 46.3 56.5
 105 23.6 19.5 29.3



Dilution Factor: 15

[illegible]

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent
This form 1 and the associated quantitation report are filtered for detected compounds in the undiluted analysis.

Data Path : H:\AIR2025\CHEM24\02FEB\03\
Data File : 0203_09.D
Acq On : 3 Feb 2025 6:41 pm
Operator : Keith
Client ID : SV-B 15X
Lab ID : CS55362 15X
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 07:49:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 08:37:36 2025
Response via : Initial Calibration

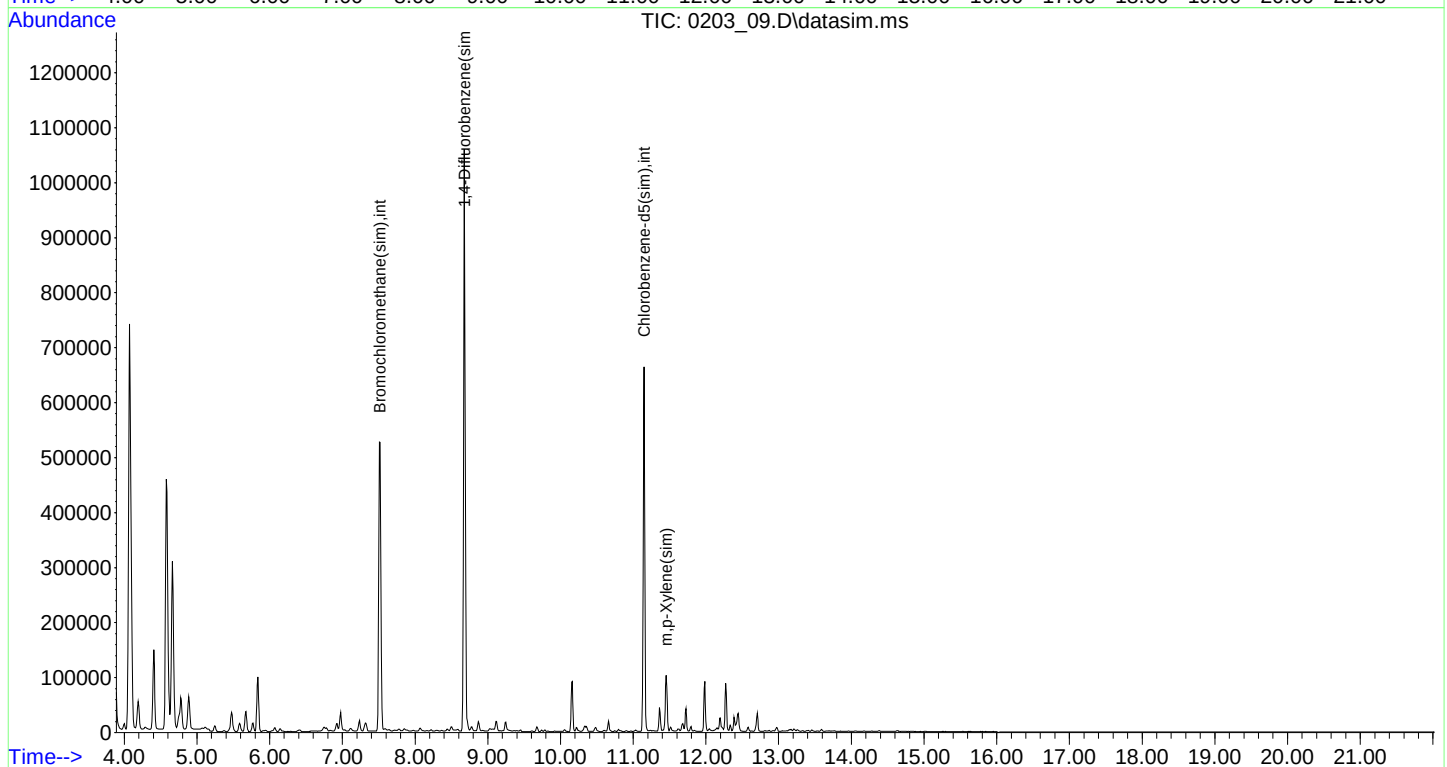
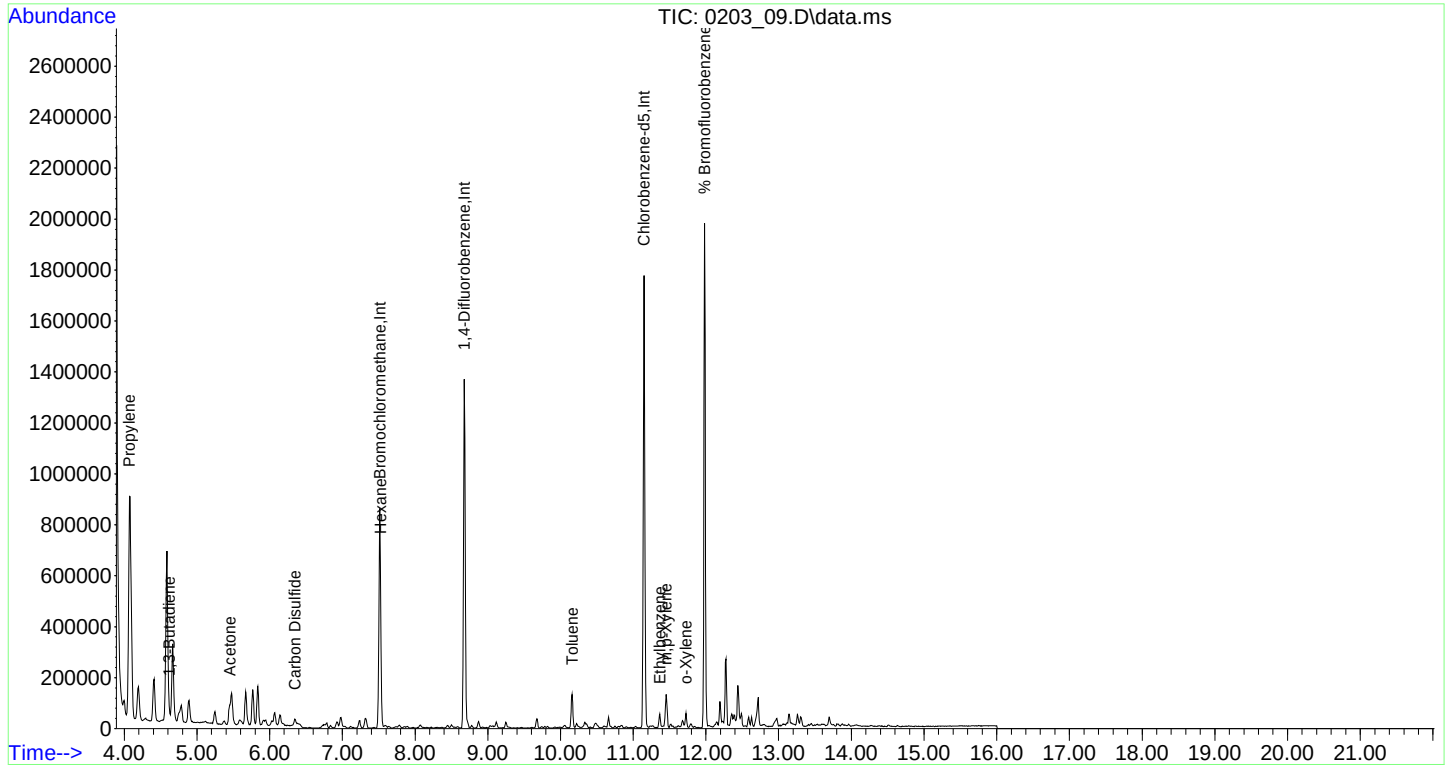
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

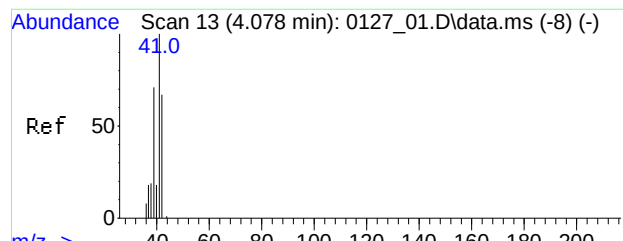
Internal Standards						
1) Bromochloromethane	7.515	130	269629	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	934934	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	449220	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	268301	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	934934	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	449217	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	539911	9.846	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	98.50%	
Target Compounds						
					Qvalue	
2) Propylene	4.070	41	622978	25.565	ppbv	90

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

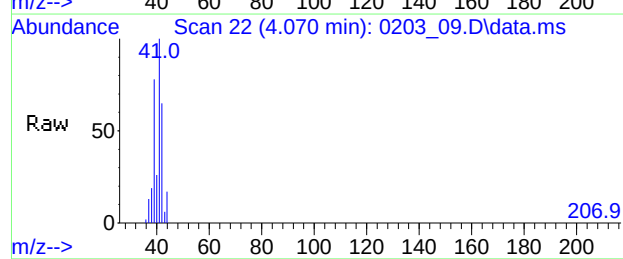
Data Path : H:\AIR2025\CHEM24\02FEB\03\
Data File : 0203_09.D
Acq On : 3 Feb 2025 6:41 pm
Operator : Keith
Client ID : SV-B 15X
Lab ID : CS55362 15X
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 07:49:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 08:37:36 2025
Response via : Initial Calibration



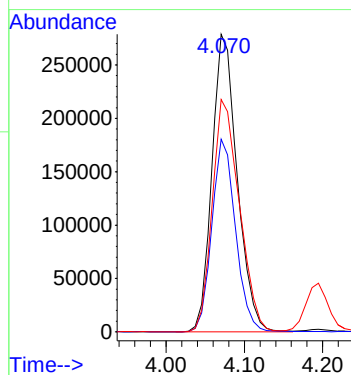
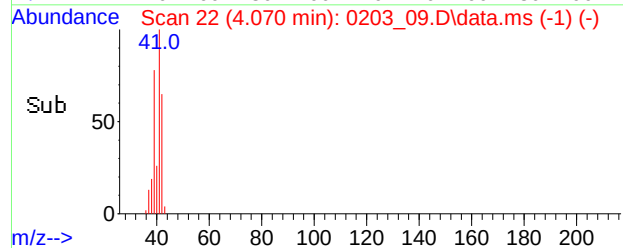


#2
 Propylene
 Conc: 8\$ 25.565 ppbv
 RT: 4.070 min Scan# 22
 Delta R.T. 0.000 min
 Lab File: 0203_09.D
 Acq: 3 Feb 2025 6:41 pm



Tgt Ion: 41 Resp: 622978

Ion	Ratio	Lower	Upper
41	100		
42	60.8	51.9	77.9
39	83.8	57.8	86.8



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	SV-G 5X
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55363 5X</u>	
Canister:	<u>21357</u>	Lab File ID:	<u>0131_16.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>02/01/25</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>5</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	2.91	U	2.91	2.91	r
75-71-8	Dichlorodifluoromethane	1.01	U	1.01	1.01	r
74-87-3	Chloromethane	2.42	U	2.42	2.42	r
106-99-0	1,3-Butadiene	2.26	U	2.26	2.26	r
75-00-3	Chloroethane	1.90	U	1.90	1.90	r
64-17-5	Ethanol	33.7	S	2.66	2.66	r
67-64-1	Acetone	285	ES	2.11	2.11	r
75-69-4	Trichlorofluoromethane	2.09		0.891	0.891	r
67-63-0	Isopropylalcohol	8.34	S	2.04	2.04	r
107-13-1	Acrylonitrile	2.31	U	2.31	2.31	r
75-09-2	Methylene Chloride	4.32	U	4.32	4.32	r
75-15-0	Carbon Disulfide	1.61	U	1.61	1.61	r
1634-04-4	Methyl tert-butyl ether(MTBE)	1.39	U	1.39	1.39	r
78-93-3	Methyl Ethyl Ketone	7.97		1.70	1.70	r
110-54-3	Hexane	1.42	U	1.42	1.42	r
67-66-3	Chloroform	1.20		1.02	1.02	r
141-78-6	Ethyl acetate	1.39	U	1.39	1.39	r
109-99-9	Tetrahydrofuran	4.16		1.70	1.70	r
71-55-6	1,1,1-Trichloroethane	1.54		0.917	0.917	r
71-43-2	Benzene	1.57	U	1.57	1.57	r
110-82-7	Cyclohexane	1.45	U	1.45	1.45	r
79-01-6	Trichloroethene	73.8		0.185	0.185	r
540-84-1	2,2,4-trimethylpentane	1.07	U	1.07	1.07	r
142-82-5	Heptane	1.22	U	1.22	1.22	r
108-10-1	4-Methyl-2-pentanone(MIBK)	9.13		1.22	1.22	r
10061-02-6	trans-1,3-Dichloropropene	1.10	U	1.10	1.10	r
108-88-3	Toluene	2.12		1.33	1.33	r
591-78-6	2-Hexanone(MBK)	1.22	U	1.22	1.22	r
127-18-4	Tetrachloroethene	4.59		0.184	0.184	r
630-20-6	1,1,1,2-Tetrachloroethane	0.729	U	0.729	0.729	r
108-90-7	Chlorobenzene	1.09	U	1.09	1.09	r
100-41-4	Ethylbenzene	1.15	U	1.15	1.15	r
100-42-5	Styrene	1.17	U	1.17	1.17	r
95-47-6	o-Xylene	1.15	U	1.15	1.15	r
98-82-8	Isopropylbenzene	1.02	U	1.02	1.02	r
622-96-8	4-Ethyltoluene	1.07		1.02	1.02	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55363 5X</u>
Canister:	<u>21357</u>	Lab File ID:	<u>0131_16.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>02/01/25</u>
		Dilution Factor:	<u>5</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
108-67-8	1,3,5-Trimethylbenzene	1.61		1.02	1.02	r
95-63-6	1,2,4-Trimethylbenzene	2.46		1.02	1.02	r
91-20-3	Naphthalene	1.00	U	1.00	1.00	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.716	U	0.716	0.716	r
75-01-4	Vinyl Chloride(sim)	0.390	U	0.390	0.390	r
74-83-9	Bromomethane(sim)	1.29	U	1.29	1.29	r
107-06-2	1,2-Dichloroethane(sim)	1.24	U	1.24	1.24	r
56-23-5	Carbon Tetrachloride(sim)	0.159	U	0.159	0.159	r
75-35-4	1,1-Dichloroethene(sim)	0.252	U	0.252	0.252	r
76-13-1	Trichlorotrifluoroethane(sim)	0.653	U	0.653	0.653	r
156-60-5	Trans-1,2-Dichloroethene(sim)	1.26	U	1.26	1.26	r
75-34-3	1,1-Dichloroethane(sim)	1.24	U	1.24	1.24	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
78-87-5	1,2-dichloropropane(sim)	1.08	U	1.08	1.08	r
75-27-4	Bromodichloromethane(sim)	0.747	U	0.747	0.747	r
123-91-1	1,4-Dioxane(sim)	1.39	U	1.39	1.39	r
10061-01-5	cis-1,3-Dichloropropene(sim)	1.10	U	1.10	1.10	r
79-00-5	1,1,2-Trichloroethane(sim)	0.917	U	0.917	0.917	r
124-48-1	Dibromochloromethane(sim)	0.587	U	0.587	0.587	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.651	U	0.651	0.651	r
75-25-2	Bromoform(sim)	0.484	U	0.484	0.484	r
179601-23-1	m,p-Xylene(sim)	1.82		1.15	1.15	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.729	U	0.729	0.729	r
100-44-7	Benzyl chloride(sim)	0.966	U	0.966	0.966	r
541-73-1	1,3-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
106-46-7	1,4-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
135-98-8	sec-Butylbenzene(sim)	0.911	U	0.911	0.911	r
99-87-6	4-Isopropyltoluene(sim)	0.911	U	0.911	0.911	r
95-50-1	1,2-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
104-51-8	n-Butylbenzene(sim)	0.911	U	0.911	0.911	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.674	U	0.674	0.674	r
87-68-3	Hexachlorobutadiene(sim)	0.469	U	0.469	0.469	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_16.D
 Acq On : 1 Feb 2025 12:13 am
 Operator :
 Client ID : SV-G 5X
 Lab ID : CS55363 5X
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 01 11:31:07 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

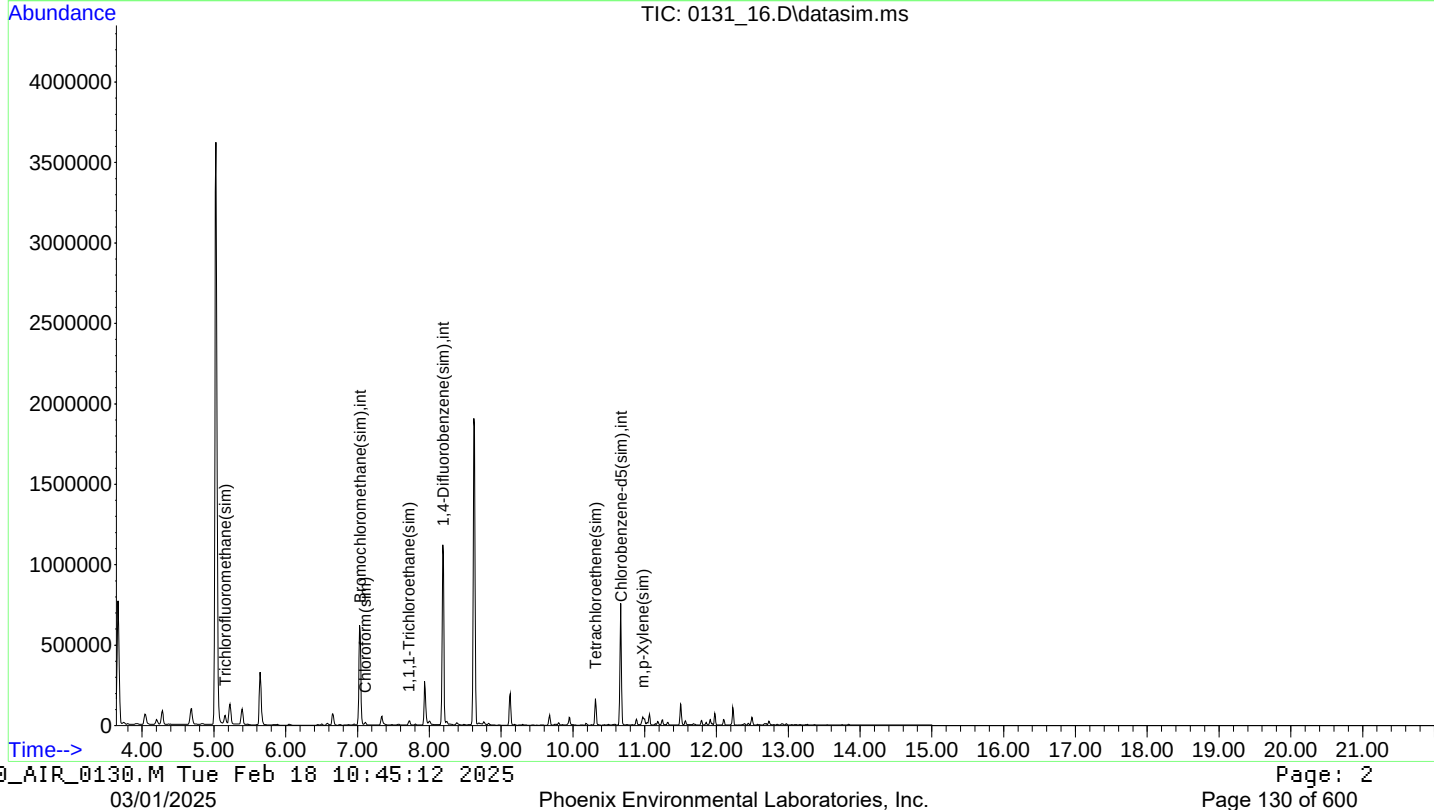
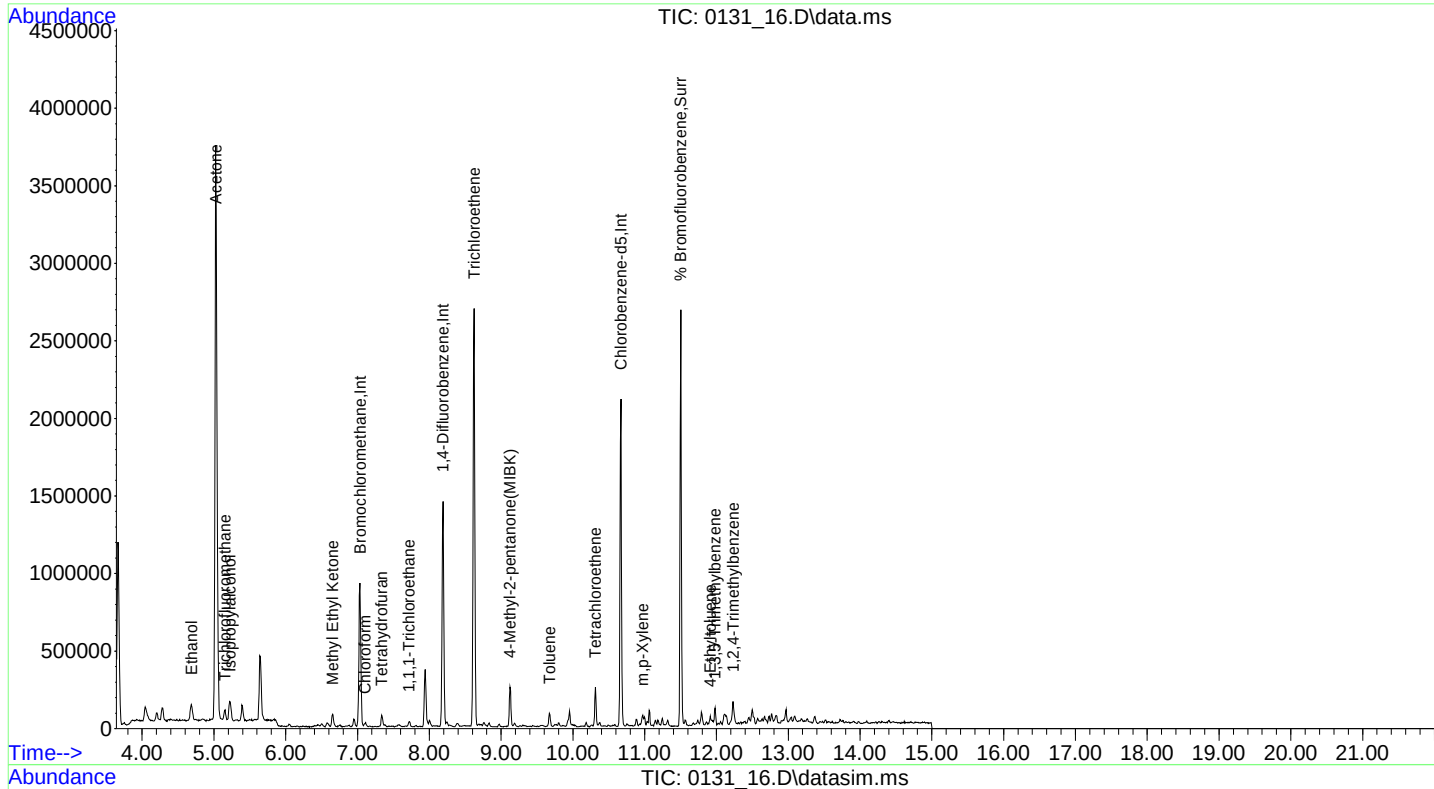
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	326760	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1086714	10.000	ng	0.00
53) Chlorobenzene-d5	10.669	82	448453	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	367870	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1088073	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.669	82	448324	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.503	95	569537	11.145	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	111.50%
Target Compounds						
					Qvalue	
11) Ethanol	4.684	45	123187	6.740	ppbv#	39
12) Acetone	5.025	43	4804169	57.077	ppbv#	83
13) Trichlorofluoromethane	5.155	101	51628	0.418	ppbv	96
14) Isopropylalcohol	5.220	45	146311	1.668	ppbv#	94
25) Methyl Ethyl Ketone	6.653	43	100182	1.593	ppbv#	96
28) Chloroform	7.104	83	12792	0.239	ppbv	92
30) Tetrahydrofuran	7.336	42	27573	0.832	ppbv#	42
32) 1,1,1-Trichloroethane	7.716	97	16855	0.308	ppbv	95
39) Trichloroethene	8.624	130	778221	14.750	ppbv#	82
45) 4-Methyl-2-pentanone(M...)	9.123	43	160375	1.826	ppbv#	91
48) Toluene	9.672	91	46816	0.424	ppbv#	97
52) Tetrachloroethene	10.312	166	59514	0.918	ppbv	93
57) m, p-Xylene	10.972	91	34944	0.400	ppbv	100
65) 4-Ethyltoluene	11.912	105	30487	0.214	ppbv#	95
66) 1,3,5-Trimethylbenzene	11.981	105	36035	0.322	ppbv#	90
67) 1,2,4-Trimethylbenzene	12.231	105	62383	0.492	ppbv#	90
82) Trichlorofluoromethane...	5.158	101	54613	0.405	ppbv#	96
84) 1,1,1-Trichloroethane(...)	7.719	97	18777	0.315	ppbv#	92
92) Chloroform(sim)	7.107	83	11841	0.203	ppbv	100
102) Tetrachloroethene(sim)	10.315	166	68725	0.925	ppbv	97
105) m, p-Xylene(sim)	10.972	91	34944	0.364	ppbv#	87

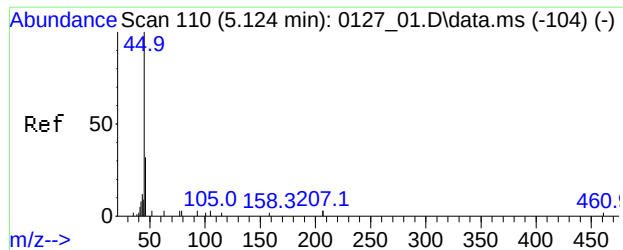
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_16.D
Acq On : 1 Feb 2025 12:13 am
Operator :
Client ID : SV-G 5X
Lab ID : CS55363 5X
ALS Vial : 11 Sample Multiplier: 1

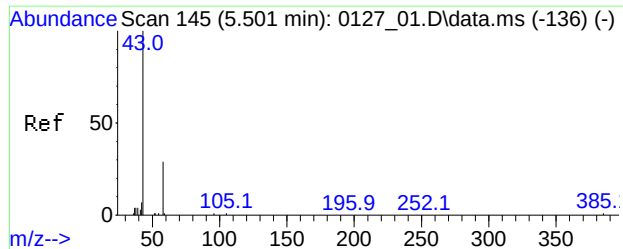
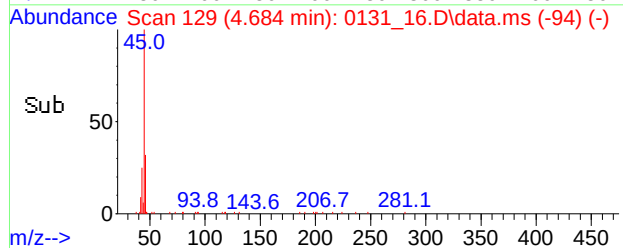
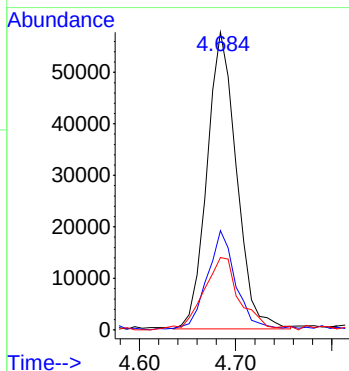
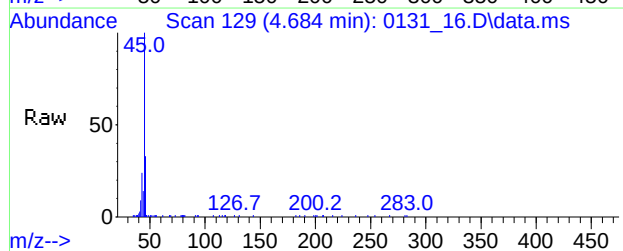
Quant Time: Feb 01 11:31:07 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration





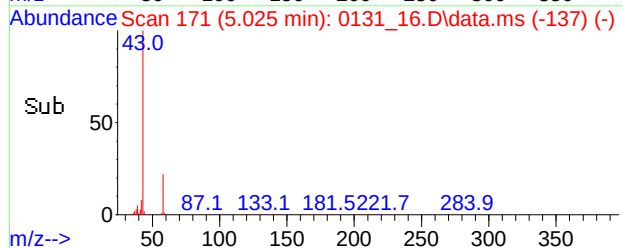
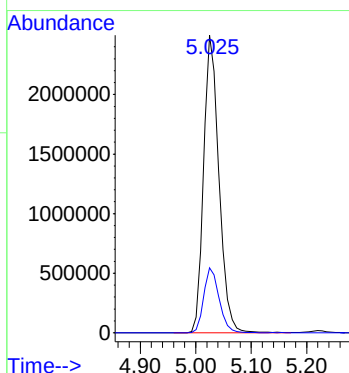
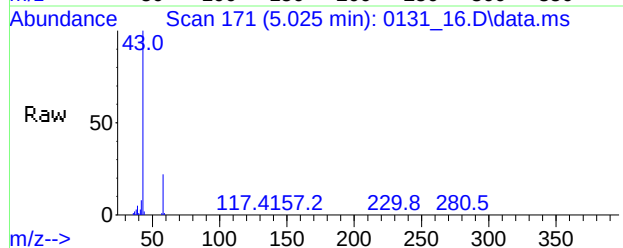
#11
Ethanol
Conc: 8\$ 6.740 ppbv
RT: 4.684 min Scan# 129
Delta R.T. -0.017 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

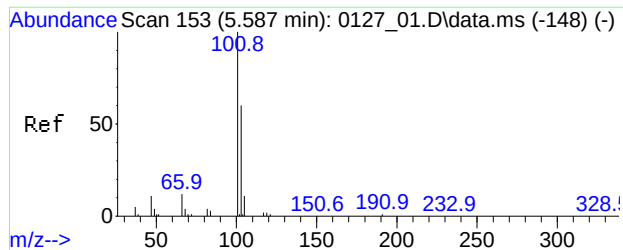
Tgt Ion: 45 Resp: 123187
Ion Ratio Lower Upper
45 100
46 32.8 0.6 0.8#
43 29.8 0.0 0.0#



#12
Acetone
Conc: 8\$ 57.077 ppbv
RT: 5.025 min Scan# 171
Delta R.T. -0.024 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

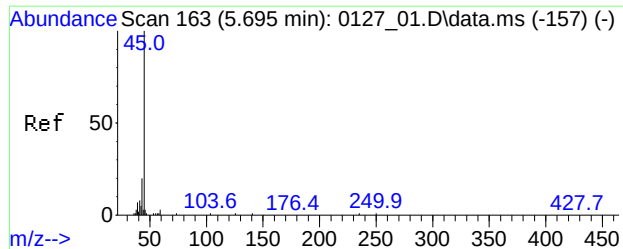
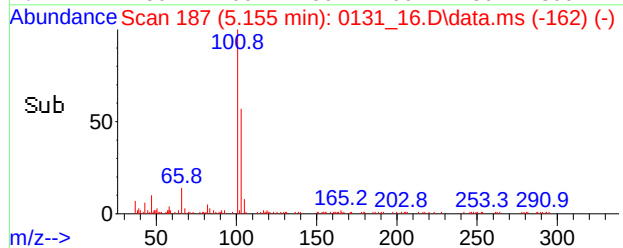
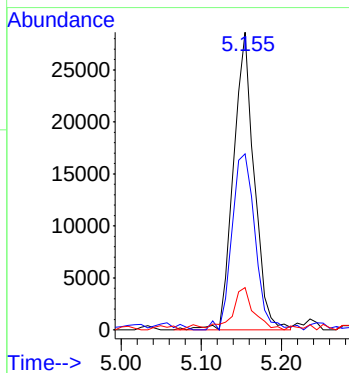
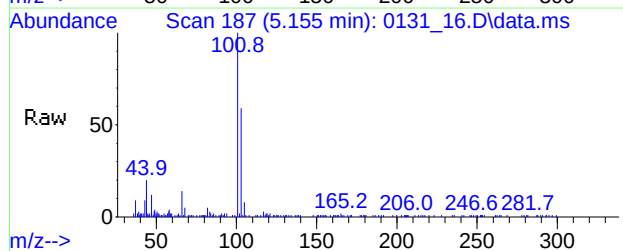
Tgt Ion: 43 Resp: 4804169
Ion Ratio Lower Upper
43 100
58 22.0 0.2 0.2#





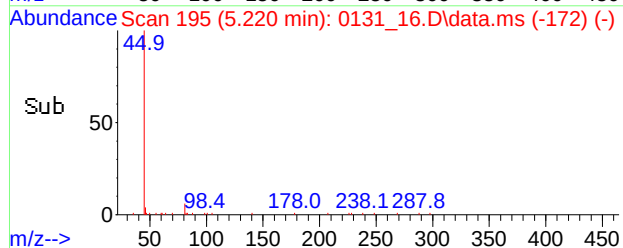
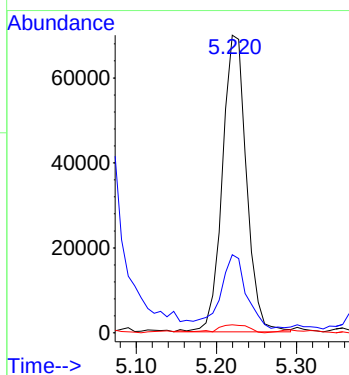
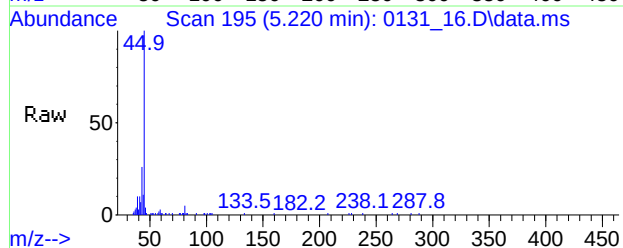
#13
Trichlorofluoromethane
Conc: 8\$ 0.418 ppbv
RT: 5.155 min Scan# 187
Delta R.T. -0.000 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

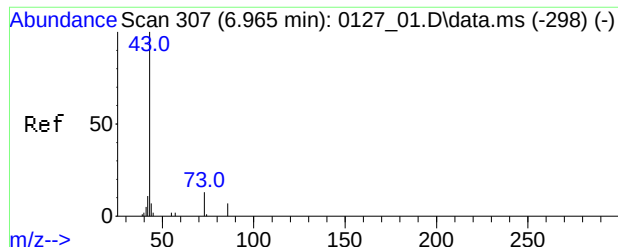
Tgt Ion: 101 Resp: 51628
Ion Ratio Lower Upper
101 100
103 65.8 49.8 74.8
66 14.5 12.1 18.1



#14
Isopropylalcohol
Conc: 8\$ 1.668 ppbv
RT: 5.220 min Scan# 195
Delta R.T. -0.016 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

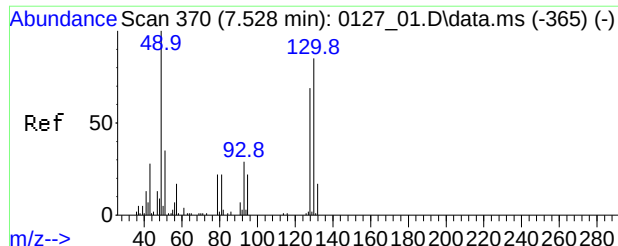
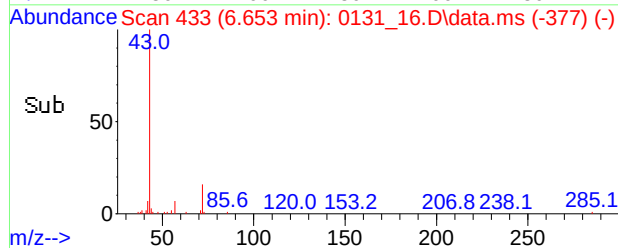
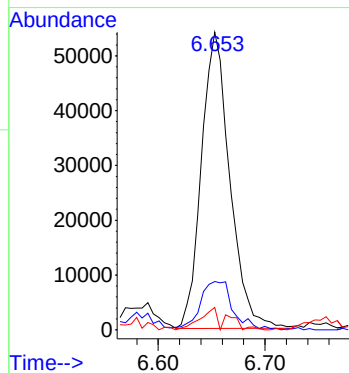
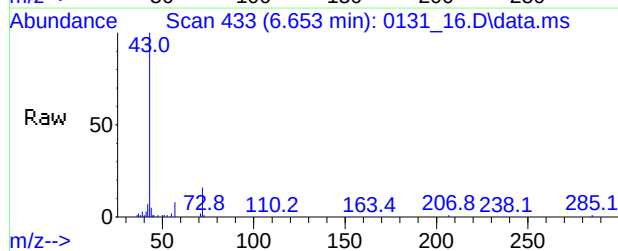
Tgt Ion: 45 Resp: 146311
Ion Ratio Lower Upper
45 100
43 25.7 0.0 0.0#
59 3.7 0.6 1.0#





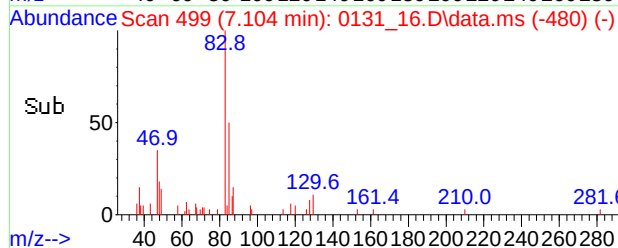
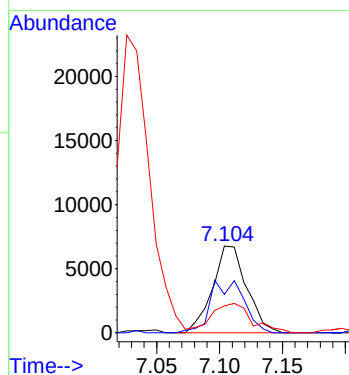
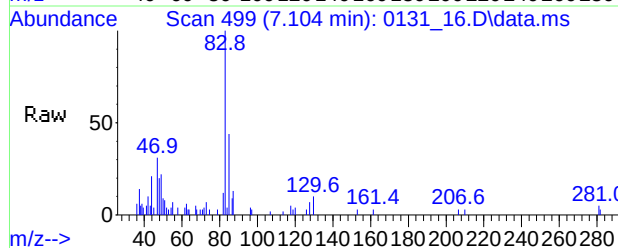
#25
Methyl Ethyl Ketone
Conc: 8\$ 1.593 ppbv
RT: 6.653 min Scan# 433
Delta R.T. -0.010 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

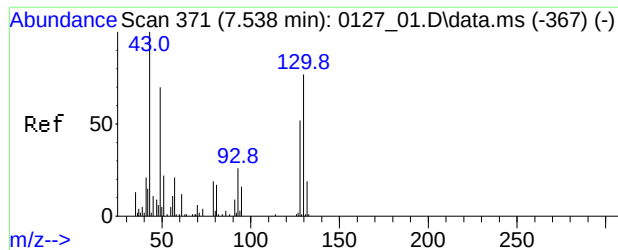
Tgt Ion: 43 Resp: 100182
Ion Ratio Lower Upper
43 100
72 18.9 0.0 0.0#
57 4.3 0.2 0.4#



#28
Chloroform
Conc: 8\$ 0.239 ppbv
RT: 7.104 min Scan# 499
Delta R.T. -0.000 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

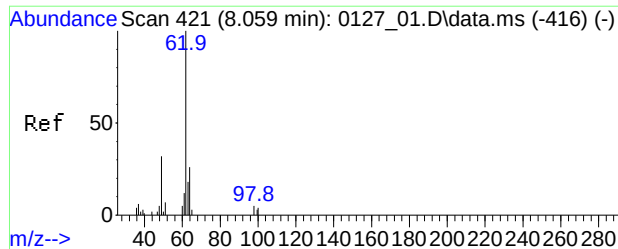
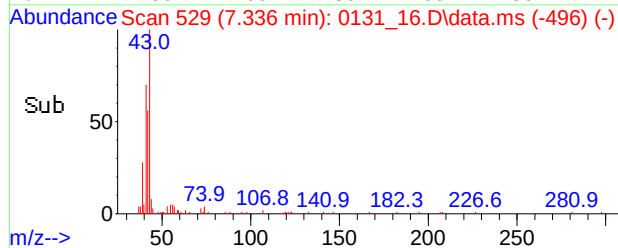
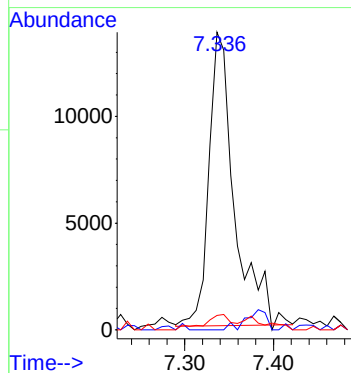
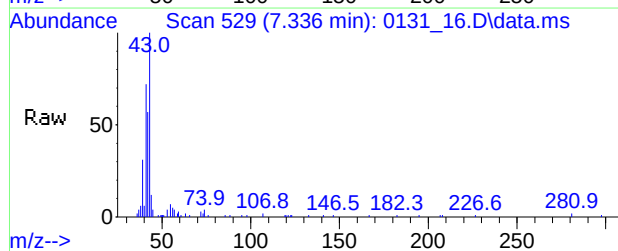
Tgt Ion: 83 Resp: 12792
Ion Ratio Lower Upper
83 100
85 59.5 39.7 79.7
47 40.4 7.3 47.3





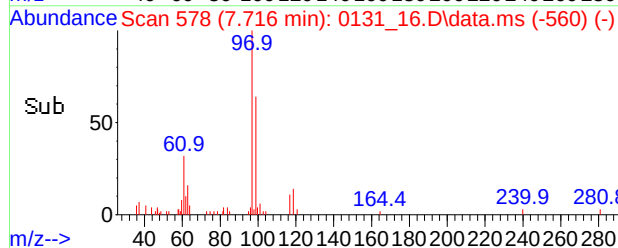
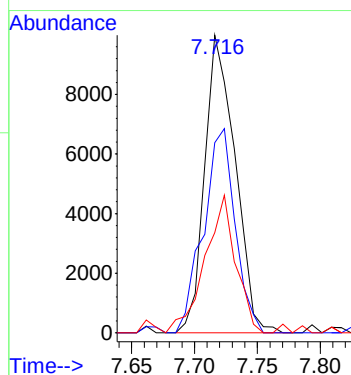
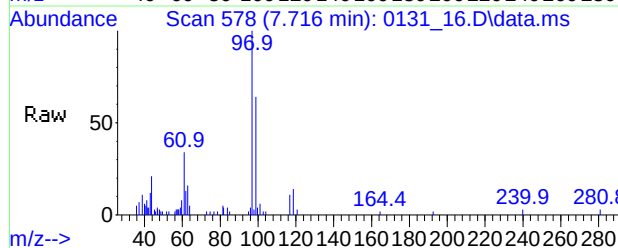
#30
Tetrahydrofuran
Conc: 8\$ 0.832 ppbv
RT: 7.336 min Scan# 529
Delta R.T. -0.047 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

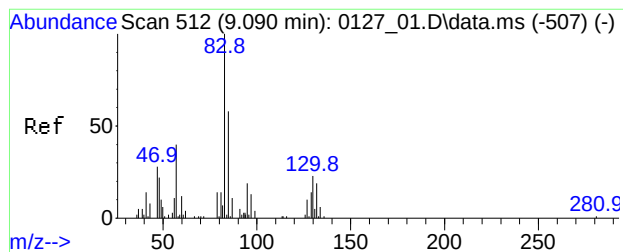
Tgt Ion: 42 Resp: 27573
Ion Ratio Lower Upper
42 100
71 0.0 29.4 44.0#
72 5.5 30.2 45.4#



#32
1,1,1-Trichloroethane
Conc: 8\$ 0.308 ppbv
RT: 7.716 min Scan# 578
Delta R.T. -0.008 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

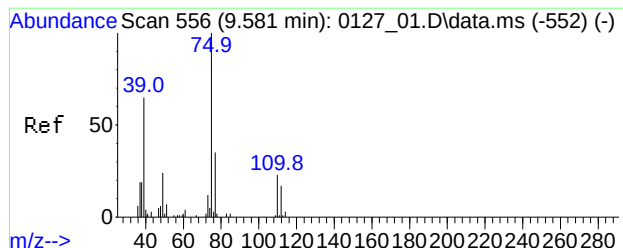
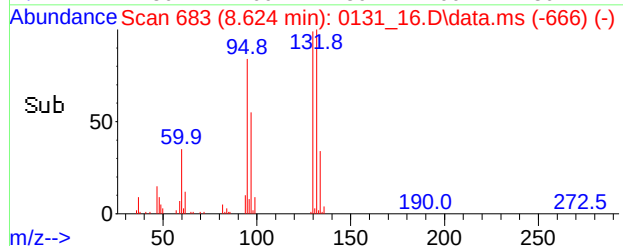
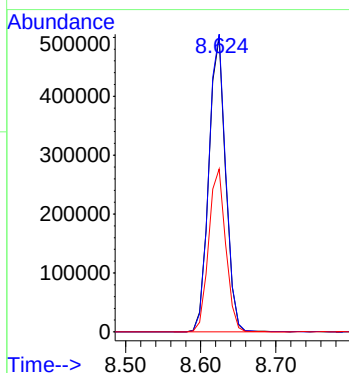
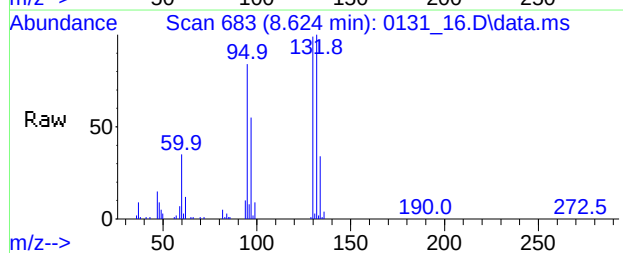
Tgt Ion: 97 Resp: 16855
Ion Ratio Lower Upper
97 100
99 71.5 52.4 78.6
61 46.7 38.0 57.0





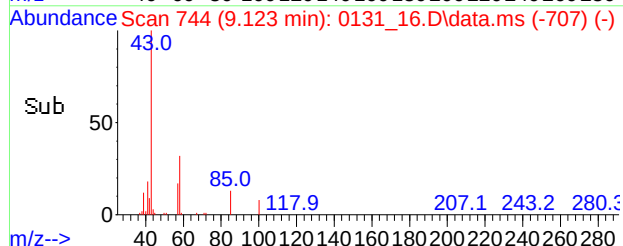
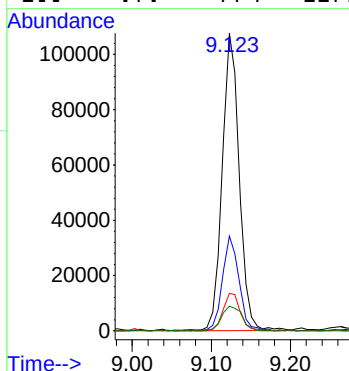
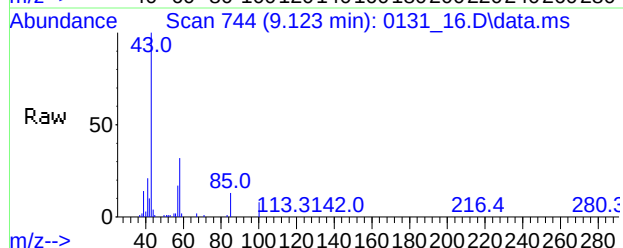
#39
Trichloroethene
Conc: 8\$ 14.750 ppbv
RT: 8.624 min Scan# 683
Delta R.T. -0.001 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

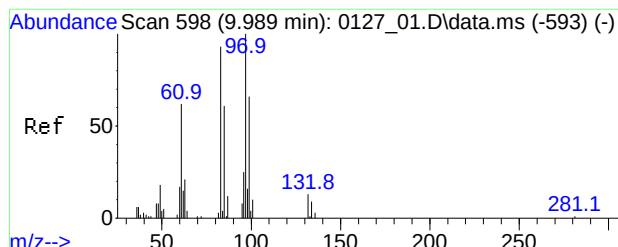
Tgt Ion:130 Resp: 778221
Ion Ratio Lower Upper
130 100
132 101.2 88.3 132.5
97 56.0 65.9 98.9#



#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 1.826 ppbv
RT: 9.123 min Scan# 744
Delta R.T. -0.005 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

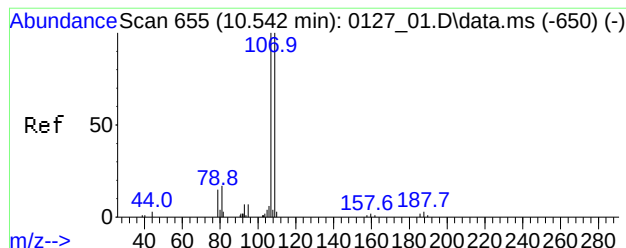
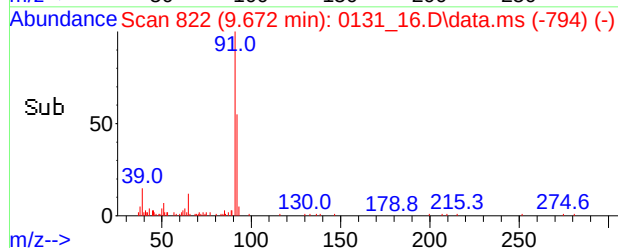
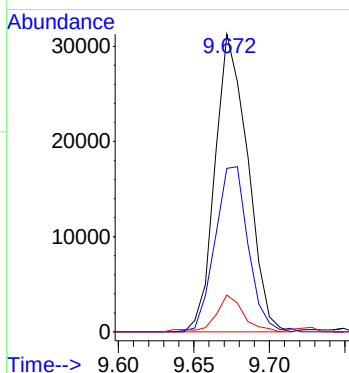
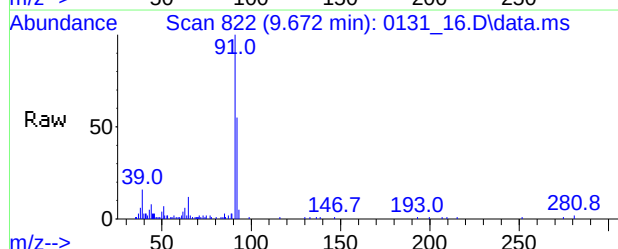
Tgt Ion: 43 Resp: 160375
Ion Ratio Lower Upper
43 100
58 31.2 28.6 43.0
85 12.8 15.4 23.0#
100 9.9 7.4 11.0





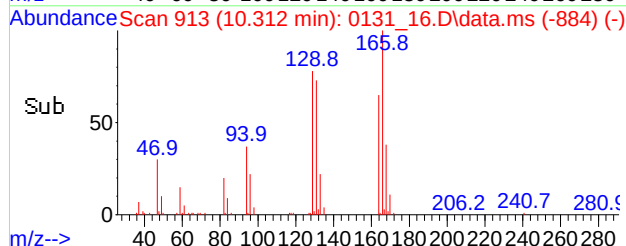
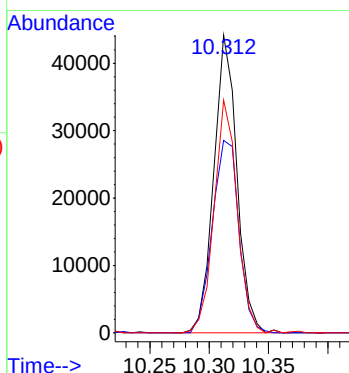
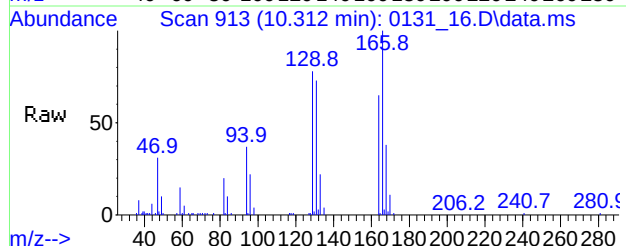
#48
Toluene
Conc: 8\$ 0.424 ppbv
RT: 9.672 min Scan# 822
Delta R.T. -0.005 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

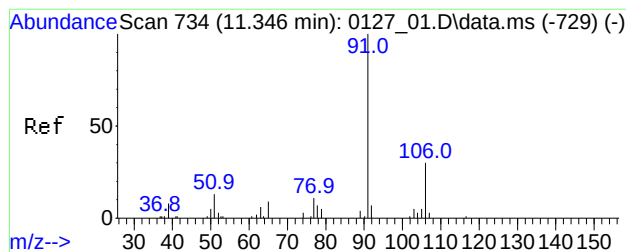
Tgt Ion: 91 Resp: 46816
Ion Ratio Lower Upper
91 100
92 56.7 43.8 65.8
65 10.6 10.6 16.0#



#52
Tetrachloroethene
Conc: 8\$ 0.918 ppbv
RT: 10.312 min Scan# 913
Delta R.T. 0.001 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

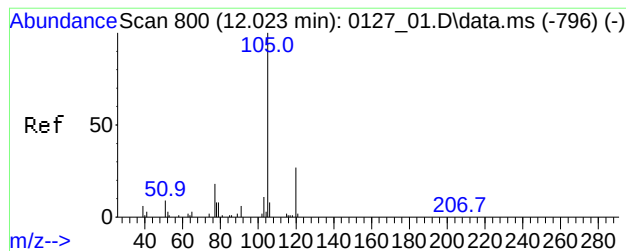
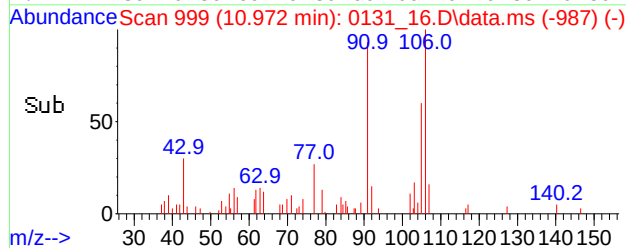
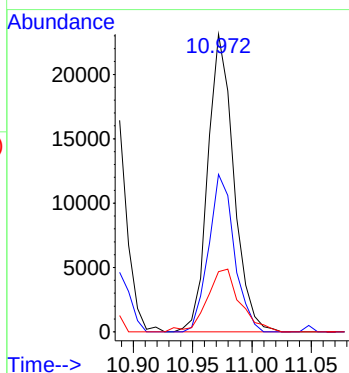
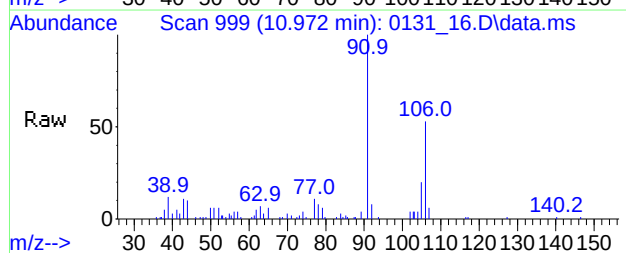
Tgt Ion: 166 Resp: 59514
Ion Ratio Lower Upper
166 100
164 74.1 63.4 95.2
129 78.0 68.4 102.6





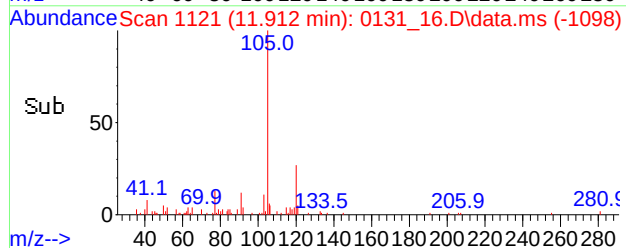
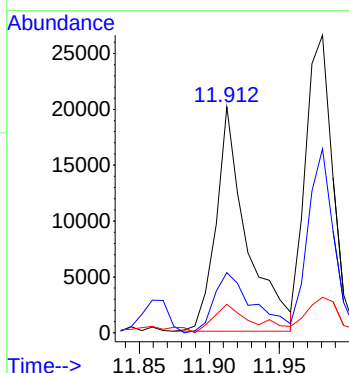
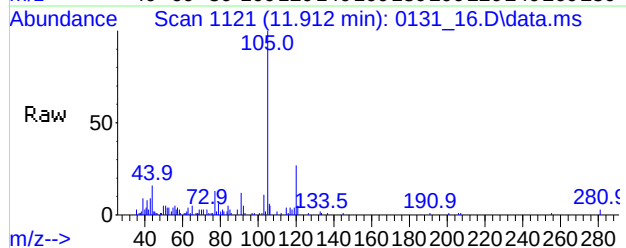
#57
m,p-Xylene
Conc: 8\$ 0.400 ppbv
RT: 10.972 min Scan# 999
Delta R.T. -0.006 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

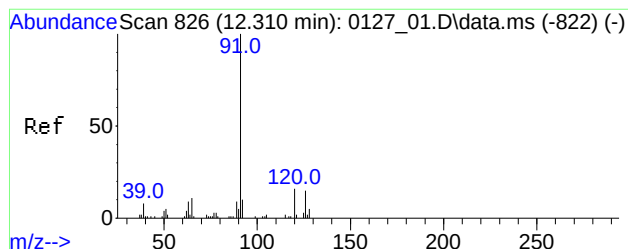
Tgt Ion: 91 Resp: 34944
Ion Ratio Lower Upper
91 100
106 52.4 0.0 0.0#
105 26.8 0.0 0.0#



#65
4-Ethyltoluene
Conc: 8\$ 0.214 ppbv
RT: 11.912 min Scan# 1121
Delta R.T. -0.029 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

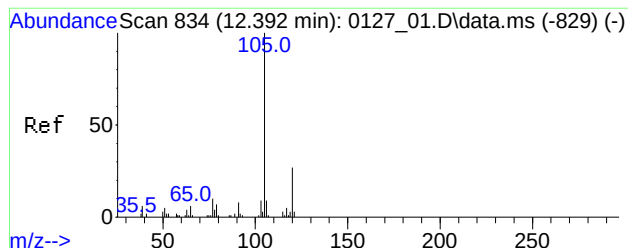
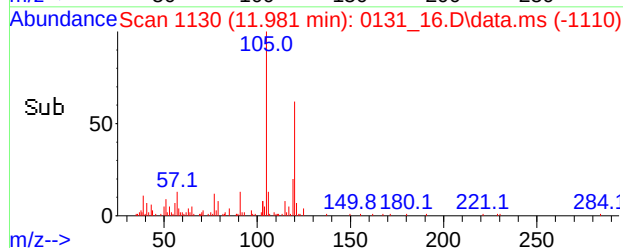
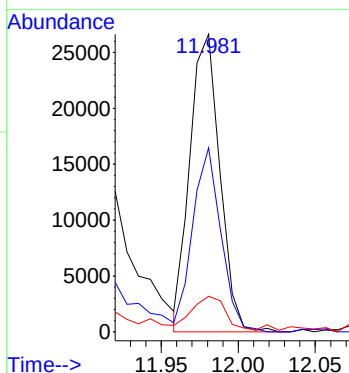
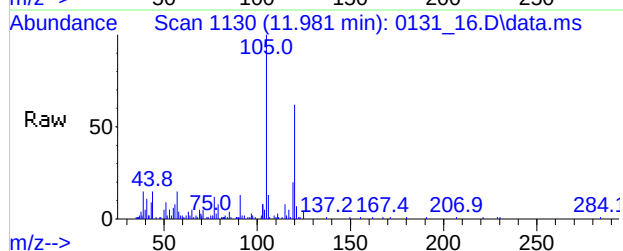
Tgt Ion: 105 Resp: 30487
Ion Ratio Lower Upper
105 100
120 35.3 30.2 45.4
77 16.3 10.5 15.7#





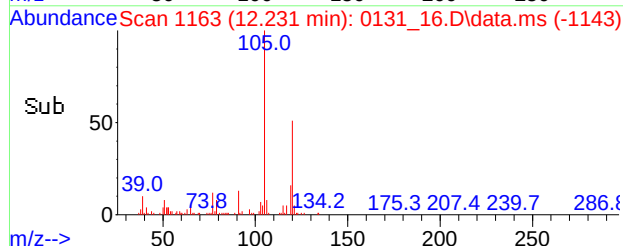
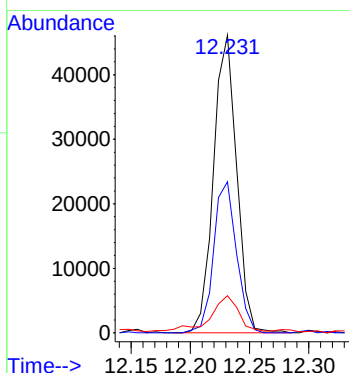
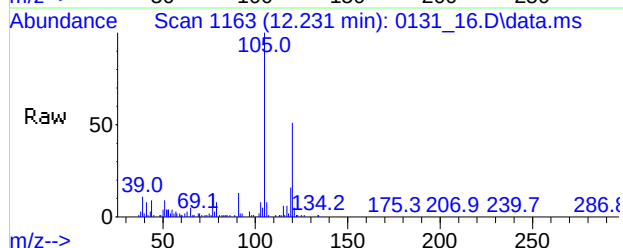
#66
1,3,5-Trimethylbenzene
Conc: 8\$ 0.322 ppbv
RT: 11.981 min Scan# 1130
Delta R.T. 0.002 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

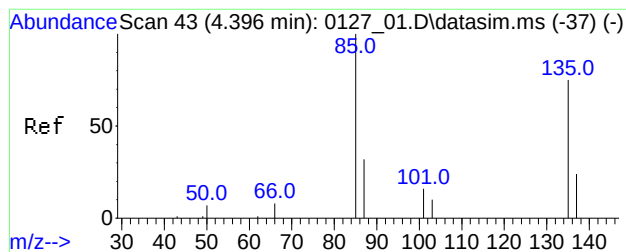
Tgt Ion:105 Resp: 36035
Ion Ratio Lower Upper
105 100
120 58.3 0.0 0.0#
77 12.7 0.2 0.2#



#67
1,2,4-Trimethylbenzene
Conc: 8\$ 0.492 ppbv
RT: 12.231 min Scan# 1163
Delta R.T. 0.001 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

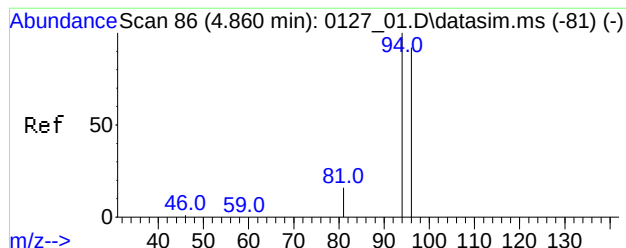
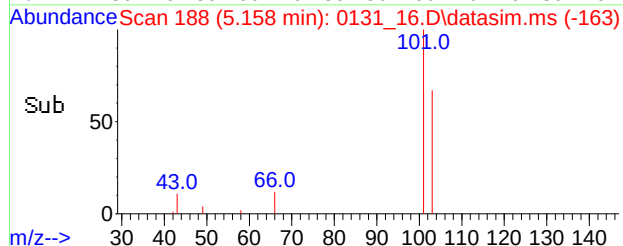
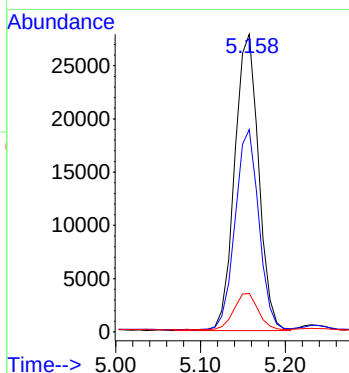
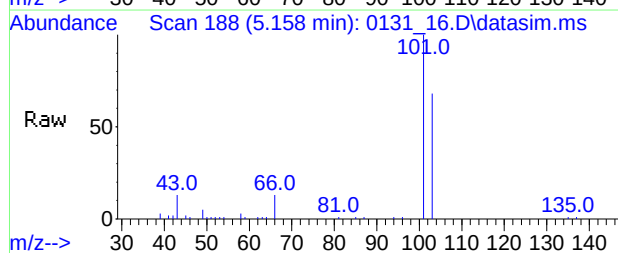
Tgt Ion:105 Resp: 62383
Ion Ratio Lower Upper
105 100
120 50.0 39.4 59.2
77 16.5 23.9 35.9#





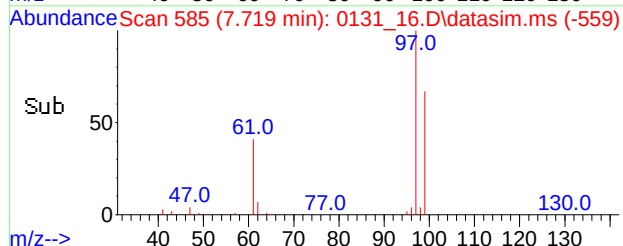
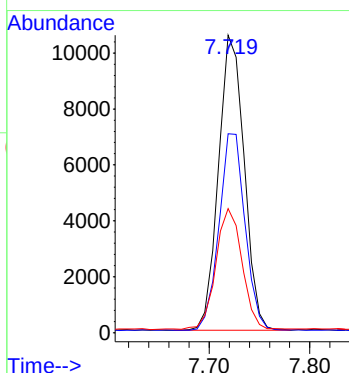
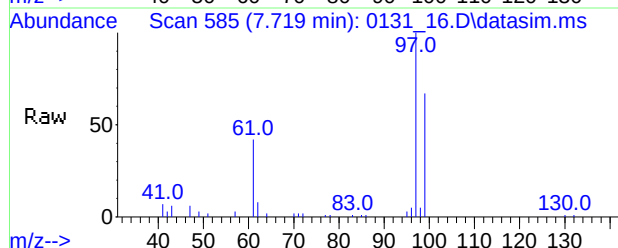
#82
 Trichlorofluoromethane(sim)
 Conc: 8\$ 0.405 ppbv
 RT: 5.158 min Scan# 188
 Delta R.T. -0.000 min
 Lab File: 0131_16.D
 Acq: 1 Feb 2025 12:13 am

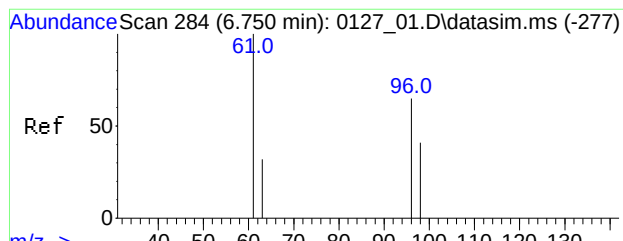
Tgt Ion: 101 Resp: 54613
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.4 77.0
 66 12.4 15.1 15.1#



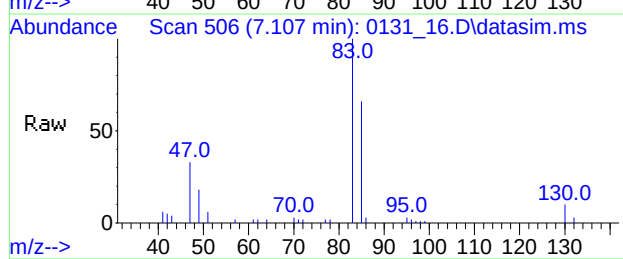
#84
 1,1,1-Trichloroethane(sim)
 Conc: 8\$ 0.315 ppbv
 RT: 7.719 min Scan# 585
 Delta R.T. -0.000 min
 Lab File: 0131_16.D
 Acq: 1 Feb 2025 12:13 am

Tgt Ion: 97 Resp: 18777
 Ion Ratio Lower Upper
 97 100
 99 67.5 63.8 63.8#
 61 41.3 40.1 60.1

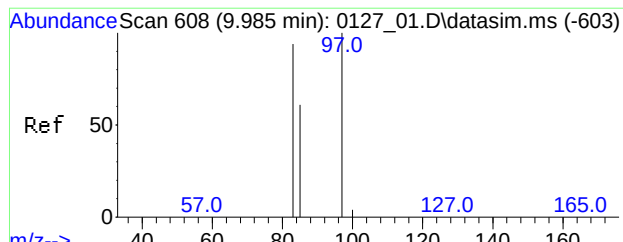
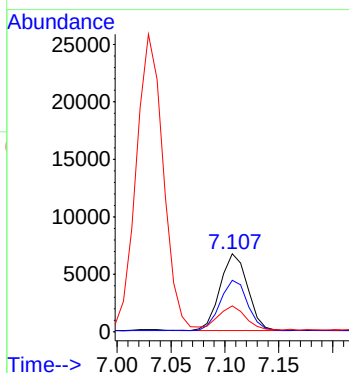
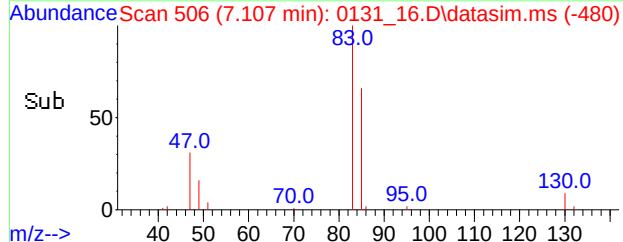




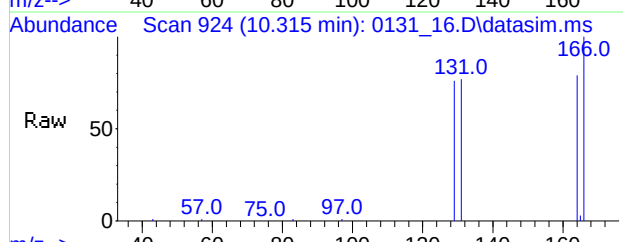
#92
Chloroform(sim)
Conc: 8\$ 0.203 ppbv
RT: 7.107 min Scan# 506
Delta R.T. -0.000 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am



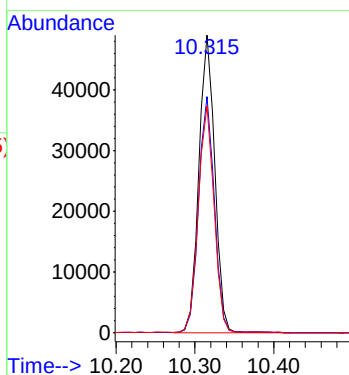
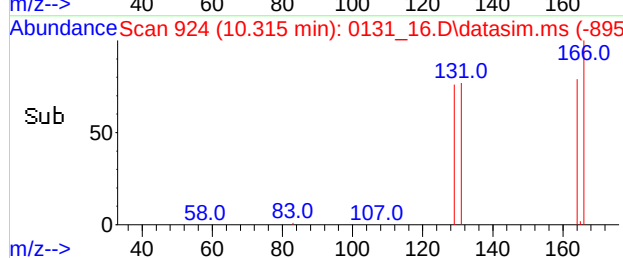
Tgt Ion: 83 Resp: 11841
Ion Ratio Lower Upper
83 100
85 65.1 52.2 78.2
47 30.7 24.2 36.4

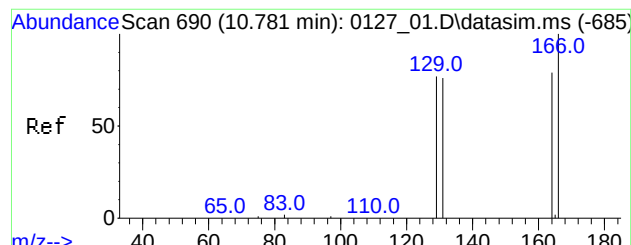


#102
Tetrachloroethene(sim)
Conc: 8\$ 0.925 ppbv
RT: 10.315 min Scan# 924
Delta R.T. 0.001 min
Lab File: 0131_16.D
Acq: 1 Feb 2025 12:13 am

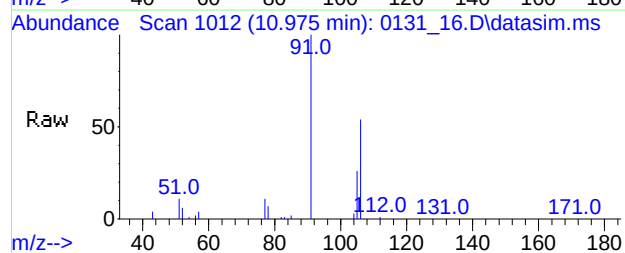


Tgt Ion: 166 Resp: 68725
Ion Ratio Lower Upper
166 100
164 77.6 54.6 94.6
129 74.7 52.2 92.2

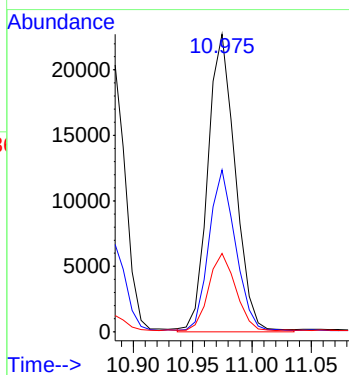
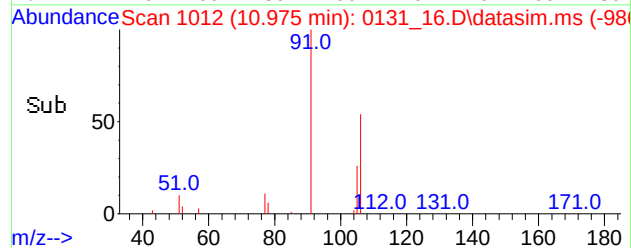




#105
 m,p-Xylene(sim)
 Conc: 8\$ 0.364 ppbv
 RT: 10.972 min Scan# 1012
 Delta R.T. -0.006 min
 Lab File: 0131_16.D
 Acq: 1 Feb 2025 12:13 am



Tgt Ion: 91 Resp: 34944
 Ion Ratio Lower Upper
 91 100
 106 53.0 39.6 48.4#
 105 26.2 16.6 24.8#



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55364 5X</u>
Canister:	<u>49223</u>	Lab File ID:	<u>0131_17.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>02/01/25</u>
		Dilution Factor:	<u>5</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	2.91	U	2.91	2.91	r
75-71-8	Dichlorodifluoromethane	1.01	U	1.01	1.01	r
74-87-3	Chloromethane	2.42	U	2.42	2.42	r
106-99-0	1,3-Butadiene	2.26	U	2.26	2.26	r
75-00-3	Chloroethane	1.90	U	1.90	1.90	r
64-17-5	Ethanol	5.17	S	2.66	2.66	r
67-64-1	Acetone	16.7	S	2.11	2.11	r
67-63-0	Isopropylalcohol	2.04	U	2.04	2.04	r
107-13-1	Acrylonitrile	2.31	U	2.31	2.31	r
75-09-2	Methylene Chloride	4.32	U	4.32	4.32	r
75-15-0	Carbon Disulfide	1.61	U	1.61	1.61	r
1634-04-4	Methyl tert-butyl ether(MTBE)	1.39	U	1.39	1.39	r
78-93-3	Methyl Ethyl Ketone	1.70	U	1.70	1.70	r
110-54-3	Hexane	1.42	U	1.42	1.42	r
141-78-6	Ethyl acetate	1.39	U	1.39	1.39	r
109-99-9	Tetrahydrofuran	1.70	U	1.70	1.70	r
110-82-7	Cyclohexane	1.45	U	1.45	1.45	r
540-84-1	2,2,4-trimethylpentane	1.07	U	1.07	1.07	r
142-82-5	Heptane	1.22	U	1.22	1.22	r
108-10-1	4-Methyl-2-pentanone(MIBK)	1.22	U	1.22	1.22	r
10061-02-6	trans-1,3-Dichloropropene	1.10	U	1.10	1.10	r
108-88-3	Toluene	9.02		1.33	1.33	r
591-78-6	2-Hexanone(MBK)	1.22	U	1.22	1.22	r
630-20-6	1,1,1,2-Tetrachloroethane	0.729	U	0.729	0.729	r
108-90-7	Chlorobenzene	1.09	U	1.09	1.09	r
100-41-4	Ethylbenzene	3.60		1.15	1.15	r
179601-23-1	m,p-Xylene	11.5		1.15	1.15	r
100-42-5	Styrene	1.17	U	1.17	1.17	r
95-47-6	o-Xylene	3.37		1.15	1.15	r
98-82-8	Isopropylbenzene	1.02	U	1.02	1.02	r
622-96-8	4-Ethyltoluene	2.93		1.02	1.02	r
108-67-8	1,3,5-Trimethylbenzene	1.02	U	1.02	1.02	r
95-63-6	1,2,4-Trimethylbenzene	2.49		1.02	1.02	r
91-20-3	Naphthalene	1.00	U	1.00	1.00	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.716	U	0.716	0.716	r
75-01-4	Vinyl Chloride(sim)	0.390	U	0.390	0.390	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55364 5X</u>
Canister:	<u>49223</u>	Lab File ID:	<u>0131_17.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>02/01/25</u>
		Dilution Factor:	<u>5</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	1.29	U	1.29	1.29	r
75-69-4	Trichlorofluoromethane(sim)	0.891	U	0.891	0.891	r
107-06-2	1,2-Dichloroethane(sim)	1.24	U	1.24	1.24	r
71-55-6	1,1,1-Trichloroethane(sim)	0.917	U	0.917	0.917	r
71-43-2	Benzene(sim)	1.57	U	1.57	1.57	r
56-23-5	Carbon Tetrachloride(sim)	0.159	U	0.159	0.159	r
75-35-4	1,1-Dichloroethene(sim)	0.252	U	0.252	0.252	r
76-13-1	Trichlorotrifluoroethane(sim)	0.653	U	0.653	0.653	r
156-60-5	Trans-1,2-Dichloroethene(sim)	1.26	U	1.26	1.26	r
75-34-3	1,1-Dichloroethane(sim)	1.24	U	1.24	1.24	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
67-66-3	Chloroform(sim)	1.02	U	1.02	1.02	r
78-87-5	1,2-dichloropropane(sim)	1.08	U	1.08	1.08	r
75-27-4	Bromodichloromethane(sim)	0.747	U	0.747	0.747	r
79-01-6	Trichloroethene(sim)	0.185	U	0.185	0.185	r
123-91-1	1,4-Dioxane(sim)	1.39	U	1.39	1.39	r
10061-01-5	cis-1,3-Dichloropropene(sim)	1.10	U	1.10	1.10	r
79-00-5	1,1,2-Trichloroethane(sim)	0.917	U	0.917	0.917	r
124-48-1	Dibromochloromethane(sim)	0.587	U	0.587	0.587	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.651	U	0.651	0.651	r
127-18-4	Tetrachloroethene(sim)	0.184	U	0.184	0.184	r
75-25-2	Bromoform(sim)	0.484	U	0.484	0.484	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.729	U	0.729	0.729	r
100-44-7	Benzyl chloride(sim)	0.966	U	0.966	0.966	r
541-73-1	1,3-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
106-46-7	1,4-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
135-98-8	sec-Butylbenzene(sim)	0.911	U	0.911	0.911	r
99-87-6	4-Isopropyltoluene(sim)	0.911	U	0.911	0.911	r
95-50-1	1,2-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
104-51-8	n-Butylbenzene(sim)	0.911	U	0.911	0.911	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.674	U	0.674	0.674	r
87-68-3	Hexachlorobutadiene(sim)	0.469	U	0.469	0.469	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_17.D
 Acq On : 1 Feb 2025 12:45 am
 Operator :
 Client ID : SV-D 5X
 Lab ID : CS55364 5X
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 01 11:31:31 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

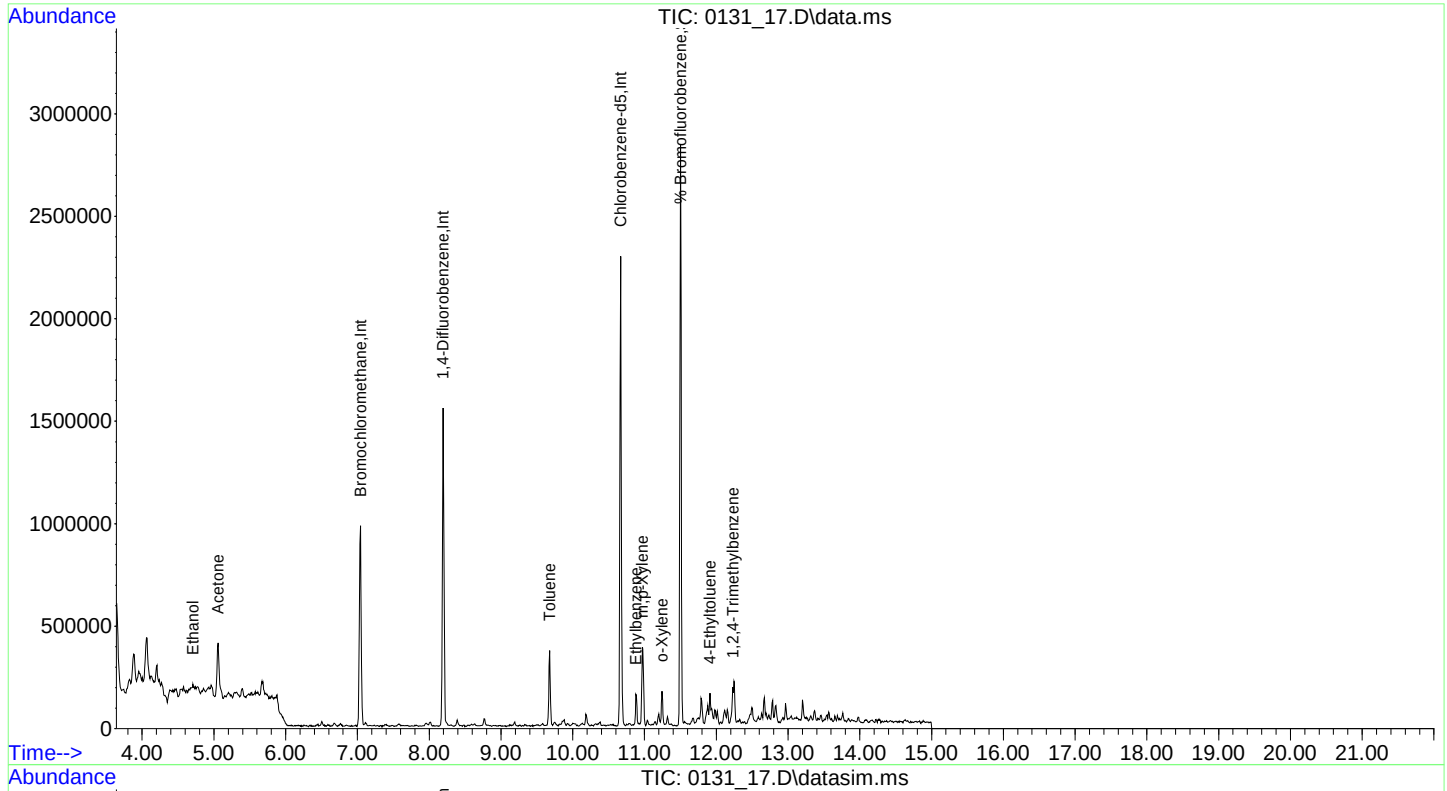
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

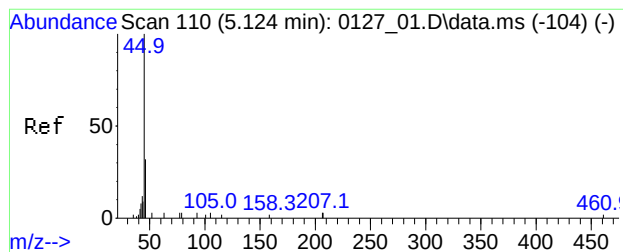
Internal Standards						
1) Bromochloromethane	7.042	130	334071	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1126068	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	479610	10.000	ng	0.00
78) Bromochloromethane(sim)	7.045	130	383960	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1126068	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	479698	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	591228	10.818	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	108.20%
Target Compounds						
					Qvalue	
11) Ethanol	4.709	45	19329	1.034	ppbv#	10
12) Acetone	5.057	43	287325	3.339	ppbv#	83
48) Toluene	9.677	91	206528	1.804	ppbv#	98
56) Ethylbenzene	10.879	91	91736	0.720	ppbv	87
57) m, p-Xylene	10.970	91	214641	2.295	ppbv	100
61) o-Xylene	11.243	91	69928	0.674	ppbv#	80
65) 4-Ethyltoluene	11.911	105	88913	0.585	ppbv#	96
67) 1,2,4-Trimethylbenzene	12.230	105	67598	0.498	ppbv#	89
105] m, p-Xylene(sim)	10.970	91	216200	2.102	ppbv#	86

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_17.D
Acq On : 1 Feb 2025 12:45 am
Operator :
Client ID : SV-D 5X
Lab ID : CS55364 5X
ALS Vial : 12 Sample Multiplier: 1

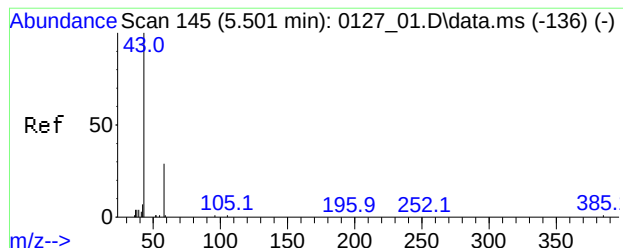
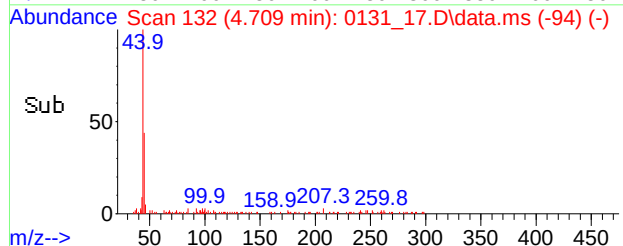
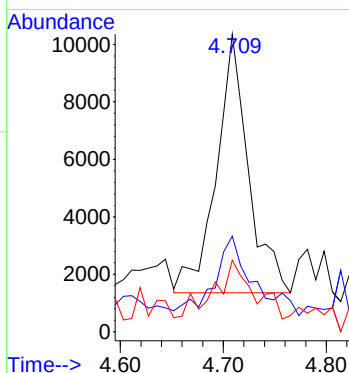
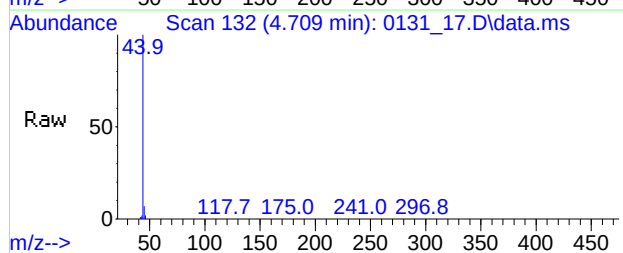
Quant Time: Feb 01 11:31:31 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration





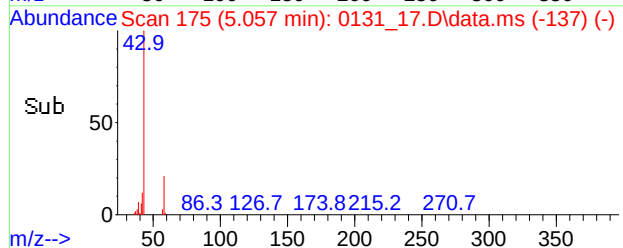
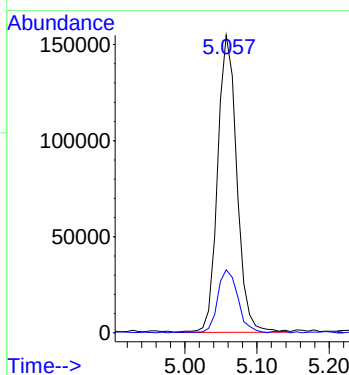
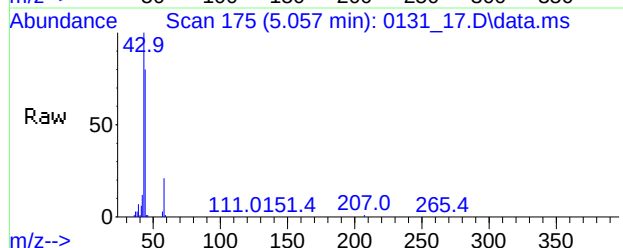
#11
Ethanol
Conc: 8\$ 1.034 ppbv
RT: 4.709 min Scan# 132
Delta R.T. 0.008 min
Lab File: 0131_17.D
Acq: 1 Feb 2025 12:45 am

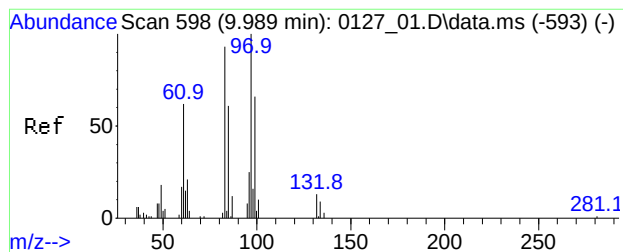
Tgt Ion: 45 Resp: 19329
Ion Ratio Lower Upper
45 100
46 48.6 0.6 0.8#
43 31.3 0.0 0.0#



#12
Acetone
Conc: 8\$ 3.339 ppbv
RT: 5.057 min Scan# 175
Delta R.T. 0.008 min
Lab File: 0131_17.D
Acq: 1 Feb 2025 12:45 am

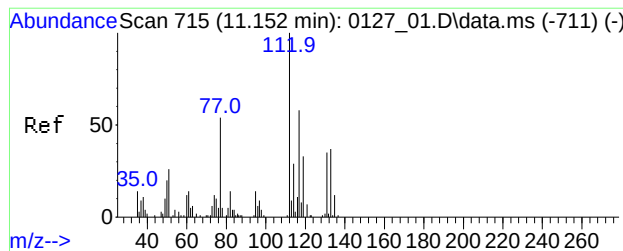
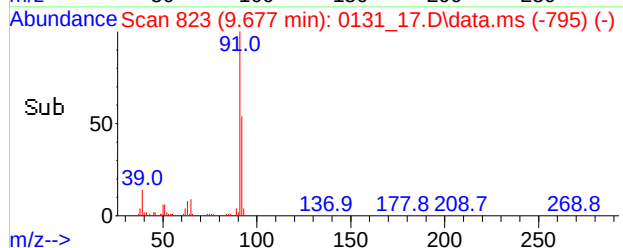
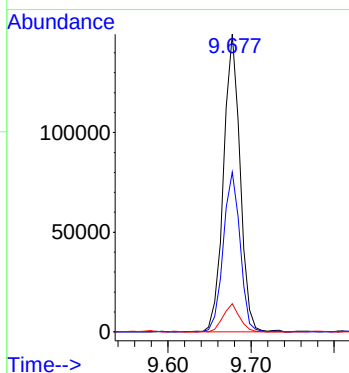
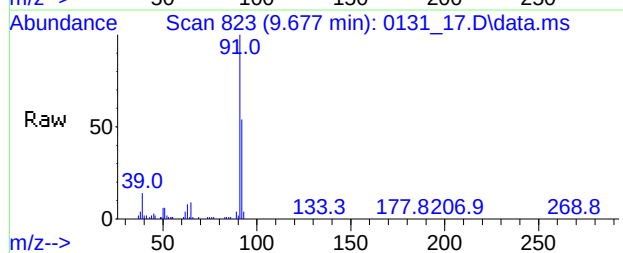
Tgt Ion: 43 Resp: 287325
Ion Ratio Lower Upper
43 100
58 22.5 0.2 0.2#





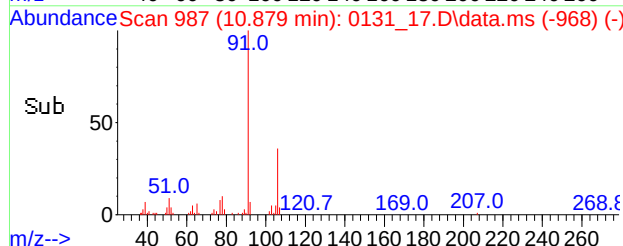
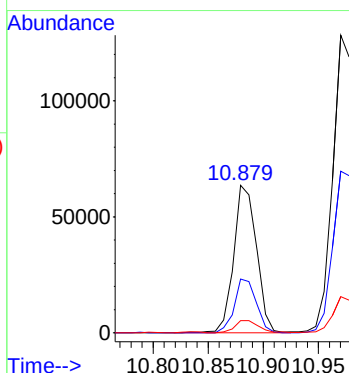
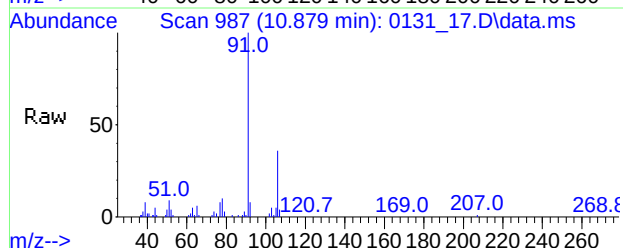
#48
Toluene
Conc: 8\$ 1.804 ppbv
RT: 9.677 min Scan# 823
Delta R.T. 0.000 min
Lab File: 0131_17.D
Acq: 1 Feb 2025 12:45 am

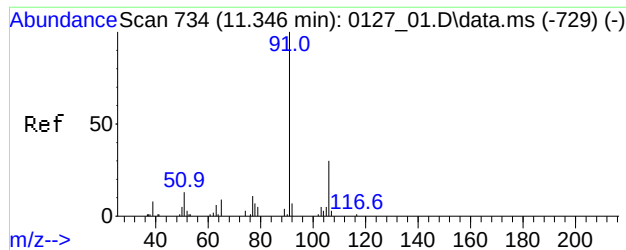
Tgt Ion: 91 Resp: 206528
Ion Ratio Lower Upper
91 100
92 54.2 43.8 65.8
65 9.4 10.6 16.0#



#56
Ethylbenzene
Conc: 8\$ 0.720 ppbv
RT: 10.879 min Scan# 987
Delta R.T. -0.008 min
Lab File: 0131_17.D
Acq: 1 Feb 2025 12:45 am

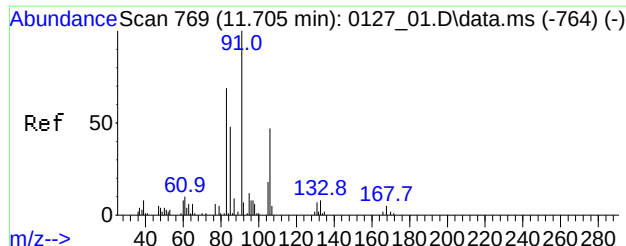
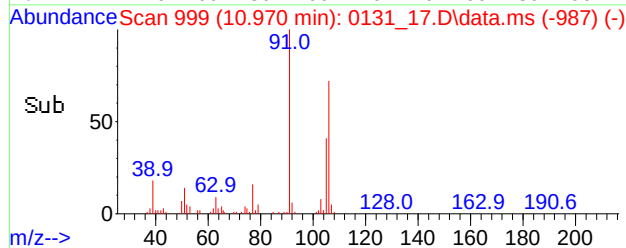
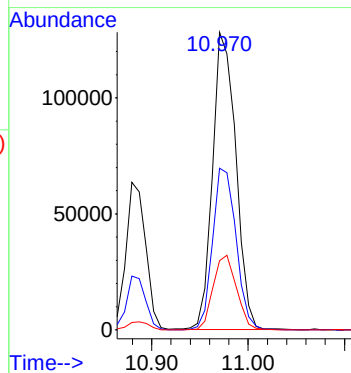
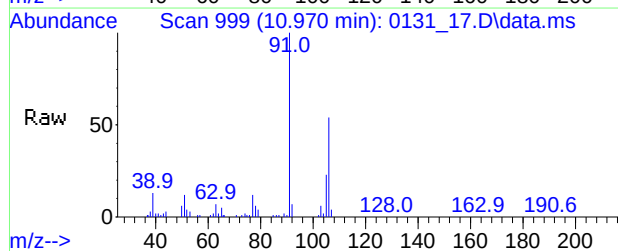
Tgt Ion: 91 Resp: 91736
Ion Ratio Lower Upper
91 100
106 34.9 24.0 64.0
77 9.0 0.0 33.4





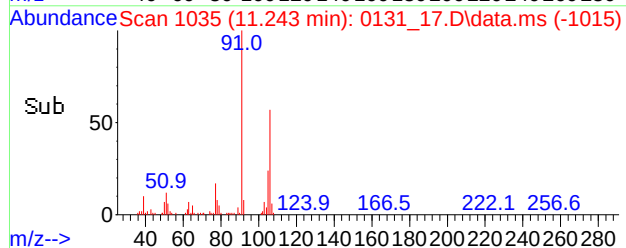
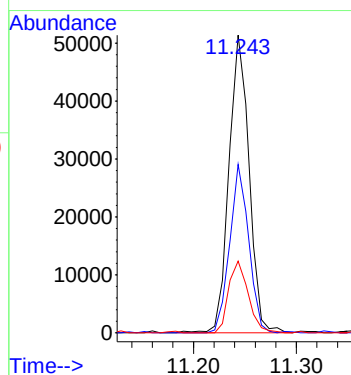
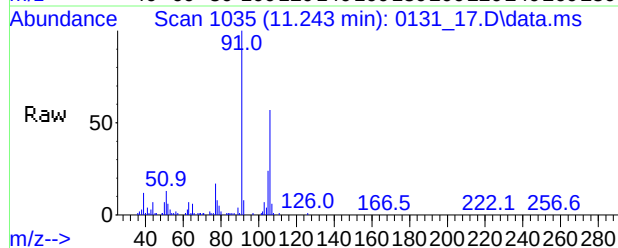
#57
m,p-Xylene
Conc: 8\$ 2.295 ppbv
RT: 10.970 min Scan# 999
Delta R.T. -0.008 min
Lab File: 0131_17.D
Acq: 1 Feb 2025 12:45 am

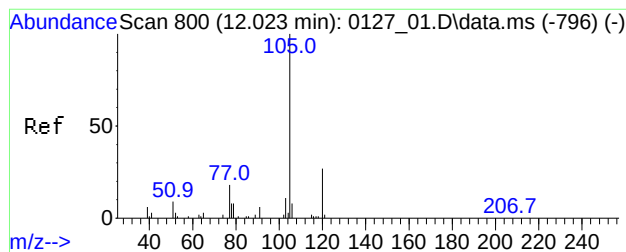
Tgt Ion: 91 Resp: 214641
Ion Ratio Lower Upper
91 100
106 54.9 0.0 0.0#
105 25.3 0.0 0.0#



#61
o-Xylene
Conc: 8\$ 0.674 ppbv
RT: 11.243 min Scan# 1035
Delta R.T. 0.000 min
Lab File: 0131_17.D
Acq: 1 Feb 2025 12:45 am

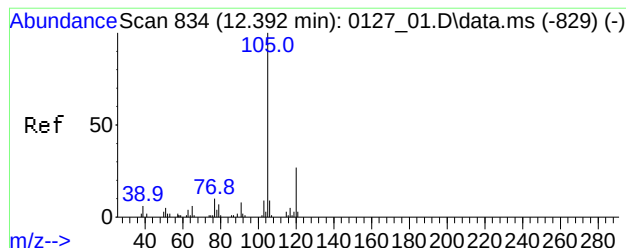
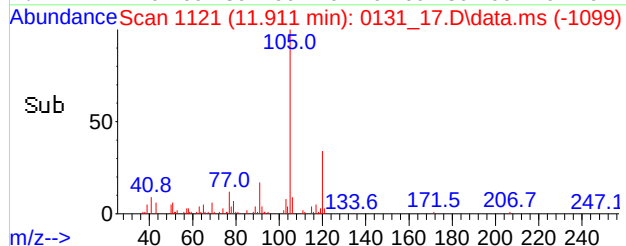
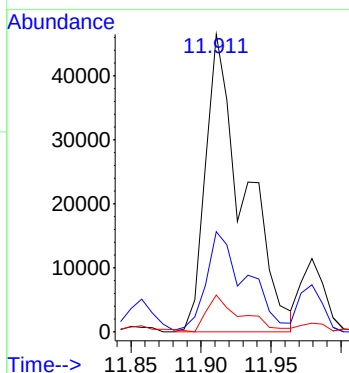
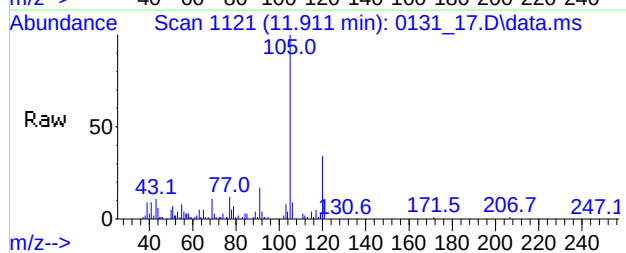
Tgt Ion: 91 Resp: 69928
Ion Ratio Lower Upper
91 100
106 53.2 31.7 47.5#
105 23.5 13.4 20.0#





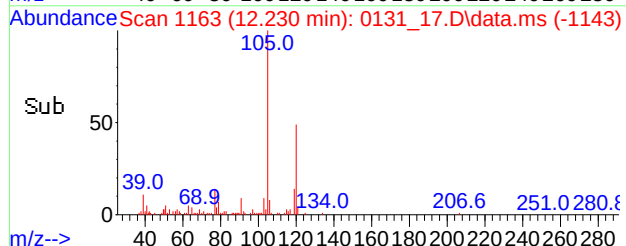
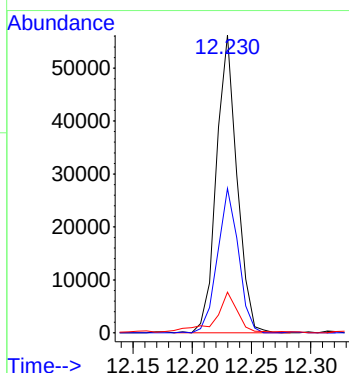
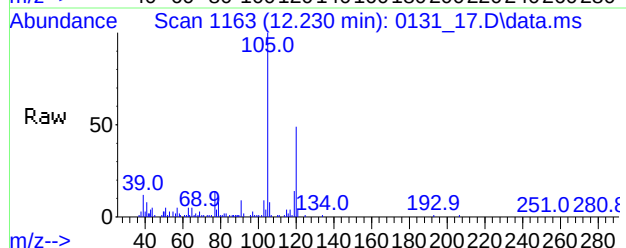
#65
4-Ethyltoluene
Conc: 8\$ 0.585 ppbv
RT: 11.911 min Scan# 1121
Delta R.T. -0.030 min
Lab File: 0131_17.D
Acq: 1 Feb 2025 12:45 am

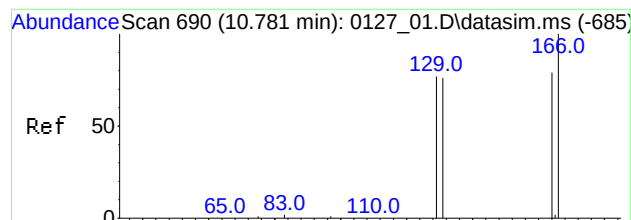
Tgt Ion: 105 Resp: 88913
Ion Ratio Lower Upper
105 100
120 35.8 30.2 45.4
77 10.2 10.5 15.7#



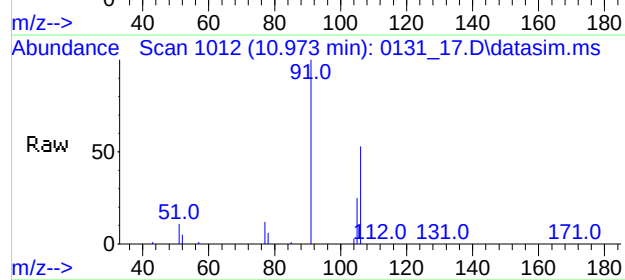
#67
1,2,4-Trimethylbenzene
Conc: 8\$ 0.498 ppbv
RT: 12.230 min Scan# 1163
Delta R.T. -0.000 min
Lab File: 0131_17.D
Acq: 1 Feb 2025 12:45 am

Tgt Ion: 105 Resp: 67598
Ion Ratio Lower Upper
105 100
120 49.1 39.4 59.2
77 13.7 23.9 35.9#

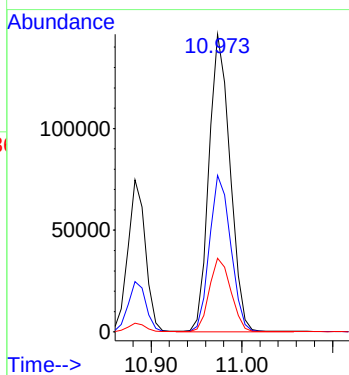
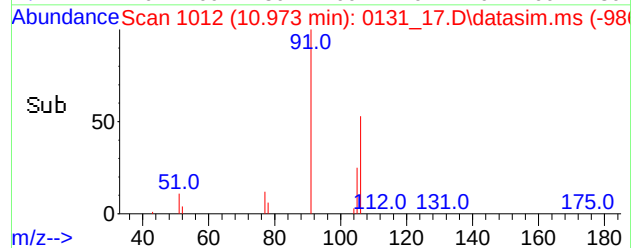




#105
 m,p-Xylene(sim)
 Conc: 8\$ 2.102 ppbv
 RT: 10.970 min Scan# 1012
 Delta R.T. -0.008 min
 Lab File: 0131_17.D
 Acq: 1 Feb 2025 12:45 am



Tgt Ion: 91 Resp: 216200
 Ion Ratio Lower Upper
 91 100
 106 54.6 39.6 48.4#
 105 25.1 16.6 24.8#



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	SV-E 5X
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55365 5X</u>	
Canister:	<u>17160</u>	Lab File ID:	<u>0131_18.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u>	(cc)	Date Analyzed:	<u>02/01/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>5</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	2.91	U	2.91	2.91	r
75-71-8	Dichlorodifluoromethane	1.01	U	1.01	1.01	r
74-87-3	Chloromethane	2.42	U	2.42	2.42	r
106-99-0	1,3-Butadiene	2.26	U	2.26	2.26	r
75-00-3	Chloroethane	1.90	U	1.90	1.90	r
64-17-5	Ethanol	26.4	S	2.66	2.66	r
67-64-1	Acetone	48.0	S	2.11	2.11	r
67-63-0	Isopropylalcohol	6.77	S	2.04	2.04	r
107-13-1	Acrylonitrile	2.31	U	2.31	2.31	r
75-09-2	Methylene Chloride	4.32	U	4.32	4.32	r
75-15-0	Carbon Disulfide	1.61	U	1.61	1.61	r
1634-04-4	Methyl tert-butyl ether(MTBE)	1.39	U	1.39	1.39	r
78-93-3	Methyl Ethyl Ketone	4.36		1.70	1.70	r
110-54-3	Hexane	1.42	U	1.42	1.42	r
141-78-6	Ethyl acetate	1.39	U	1.39	1.39	r
109-99-9	Tetrahydrofuran	1.70	U	1.70	1.70	r
110-82-7	Cyclohexane	1.45	U	1.45	1.45	r
79-01-6	Trichloroethene	2.94		0.185	0.185	r
540-84-1	2,2,4-trimethylpentane	1.07	U	1.07	1.07	r
142-82-5	Heptane	1.22	U	1.22	1.22	r
108-10-1	4-Methyl-2-pentanone(MIBK)	19.9		1.22	1.22	r
10061-02-6	trans-1,3-Dichloropropene	1.10	U	1.10	1.10	r
108-88-3	Toluene	1.55		1.33	1.33	r
591-78-6	2-Hexanone(MBK)	1.22	U	1.22	1.22	r
127-18-4	Tetrachloroethene	1.00		0.184	0.184	r
630-20-6	1,1,1,2-Tetrachloroethane	0.729	U	0.729	0.729	r
108-90-7	Chlorobenzene	1.09	U	1.09	1.09	r
100-41-4	Ethylbenzene	1.15	U	1.15	1.15	r
100-42-5	Styrene	1.17	U	1.17	1.17	r
95-47-6	o-Xylene	1.15	U	1.15	1.15	r
98-82-8	Isopropylbenzene	1.02	U	1.02	1.02	r
622-96-8	4-Ethyltoluene	1.02	U	1.02	1.02	r
108-67-8	1,3,5-Trimethylbenzene	1.02	U	1.02	1.02	r
95-63-6	1,2,4-Trimethylbenzene	1.02	U	1.02	1.02	r
91-20-3	Naphthalene	1.00	U	1.00	1.00	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.716	U	0.716	0.716	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55365 5X</u>
Canister:	<u>17160</u>	Lab File ID:	<u>0131_18.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>02/01/25</u>
		Dilution Factor:	<u>5</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.390	U	0.390	0.390	r
74-83-9	Bromomethane(sim)	1.29	U	1.29	1.29	r
75-69-4	Trichlorofluoromethane(sim)	0.930		0.891	0.891	r
107-06-2	1,2-Dichloroethane(sim)	1.24	U	1.24	1.24	r
71-55-6	1,1,1-Trichloroethane(sim)	0.917	U	0.917	0.917	r
71-43-2	Benzene(sim)	1.57	U	1.57	1.57	r
56-23-5	Carbon Tetrachloride(sim)	0.159	U	0.159	0.159	r
75-35-4	1,1-Dichloroethene(sim)	0.252	U	0.252	0.252	r
76-13-1	Trichlorotrifluoroethane(sim)	0.653	U	0.653	0.653	r
156-60-5	Trans-1,2-Dichloroethene(sim)	1.26	U	1.26	1.26	r
75-34-3	1,1-Dichloroethane(sim)	1.24	U	1.24	1.24	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
67-66-3	Chloroform(sim)	1.02	U	1.02	1.02	r
78-87-5	1,2-dichloropropane(sim)	1.08	U	1.08	1.08	r
75-27-4	Bromodichloromethane(sim)	0.747	U	0.747	0.747	r
123-91-1	1,4-Dioxane(sim)	1.39	U	1.39	1.39	r
10061-01-5	cis-1,3-Dichloropropene(sim)	1.10	U	1.10	1.10	r
79-00-5	1,1,2-Trichloroethane(sim)	0.917	U	0.917	0.917	r
124-48-1	Dibromochloromethane(sim)	0.587	U	0.587	0.587	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.651	U	0.651	0.651	r
75-25-2	Bromoform(sim)	0.484	U	0.484	0.484	r
179601-23-1	m,p-Xylene(sim)	1.15	U	1.15	1.15	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.729	U	0.729	0.729	r
100-44-7	Benzyl chloride(sim)	0.966	U	0.966	0.966	r
541-73-1	1,3-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
106-46-7	1,4-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
135-98-8	sec-Butylbenzene(sim)	0.911	U	0.911	0.911	r
99-87-6	4-Isopropyltoluene(sim)	0.911	U	0.911	0.911	r
95-50-1	1,2-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
104-51-8	n-Butylbenzene(sim)	0.911	U	0.911	0.911	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.674	U	0.674	0.674	r
87-68-3	Hexachlorobutadiene(sim)	0.469	U	0.469	0.469	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_18.D
 Acq On : 1 Feb 2025 1:17 am
 Operator :
 Client ID : SV-E 5X
 Lab ID : CS55365 5X
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 01 11:31:59 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

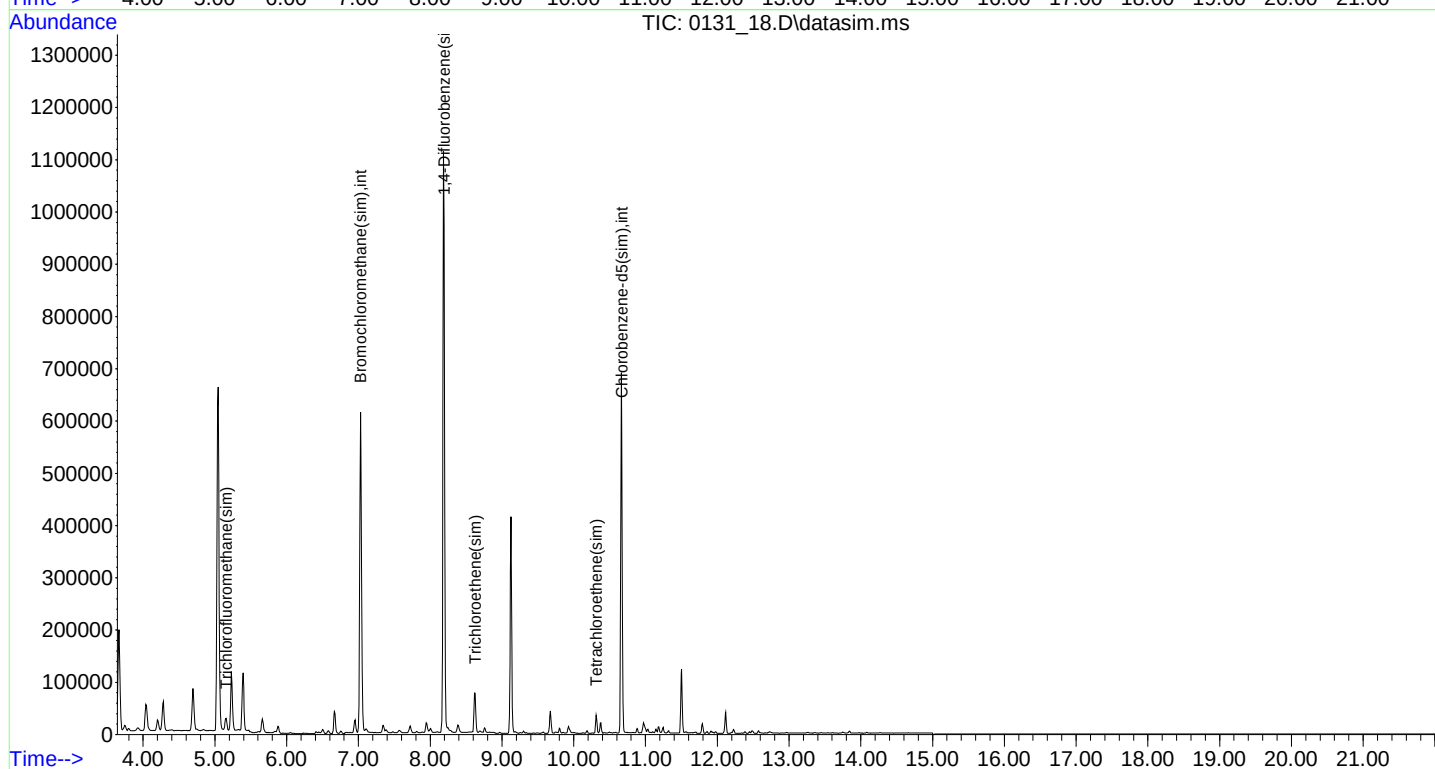
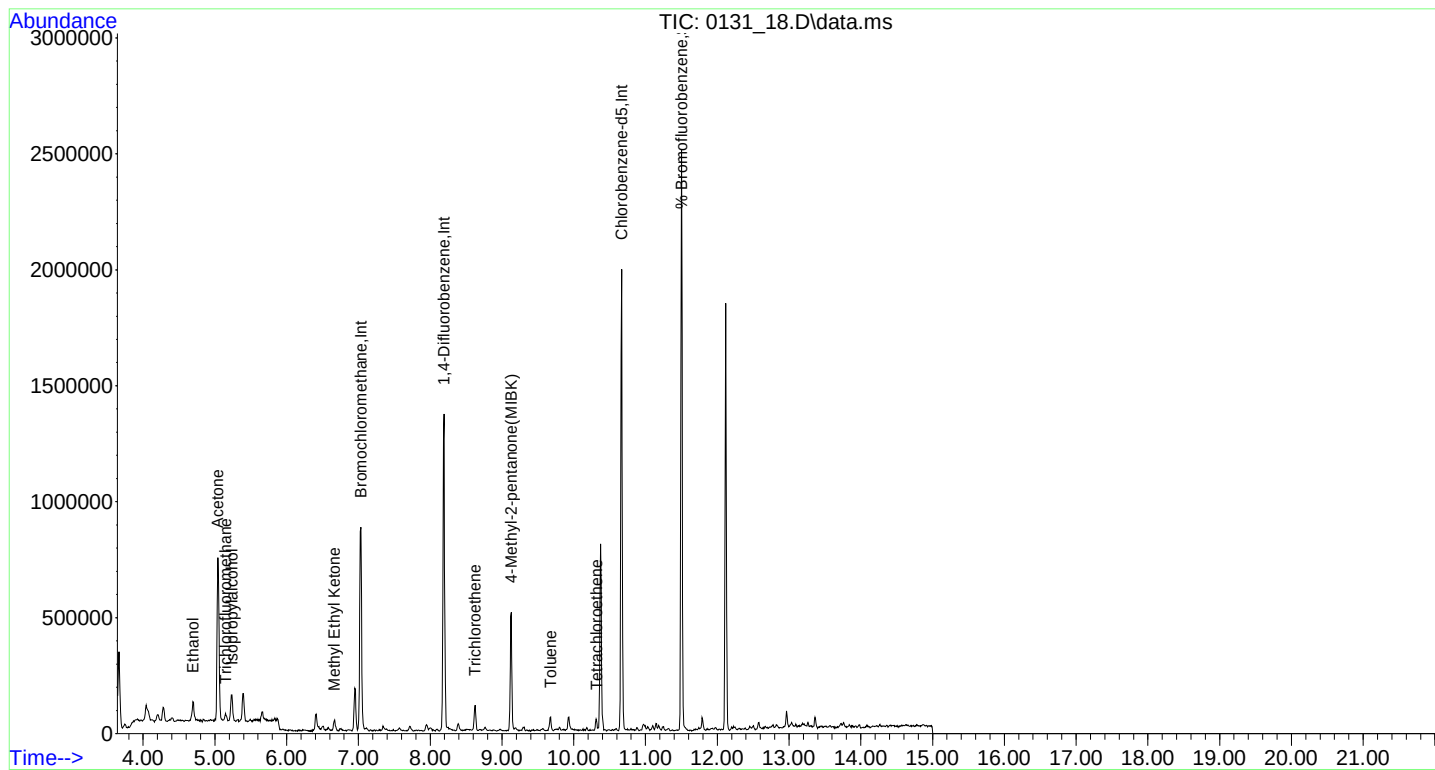
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

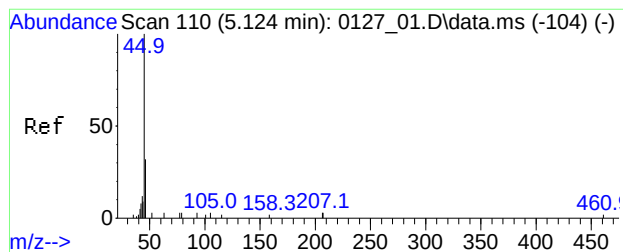
Internal Standards						
1) Bromochloromethane	7.034	130	317013	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1036402	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	424995	10.000	ng	0.00
78) Bromochloromethane(sim)	7.029	130	358664	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1036154	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	425582	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	527956	10.902	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 109.00%		
Target Compounds						
					Qvalue	
11) Ethanol	4.692	45	93524	5.274	ppbv#	40
12) Acetone	5.041	43	783230	9.591	ppbv#	83
13) Trichlorofluoromethane	5.147	101	23372	0.195	ppbv#	91
14) Isopropylalcohol	5.236	45	115190	1.354	ppbv#	93
25) Methyl Ethyl Ketone	6.663	43	53153	0.871	ppbv#	92
39) Trichloroethene	8.625	130	29519	0.587	ppbv#	78
45) 4-Methyl-2-pentanone(M...)	9.128	43	333540	3.981	ppbv#	89
48) Toluene	9.677	91	32541	0.309	ppbv	99
52) Tetrachloroethene	10.318	166	12329	0.199	ppbv	91
82] Trichlorofluoromethane...	5.158	101	24393	0.185	ppbv#	97
96] Trichloroethene(sim)	8.627	130	30378	0.566	ppbv#	82
102] Tetrachloroethene(sim)	10.314	166	14511	0.205	ppbv	96

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_18.D
Acq On : 1 Feb 2025 1:17 am
Operator :
Client ID : SV-E 5X
Lab ID : CS55365 5X
ALS Vial : 13 Sample Multiplier: 1

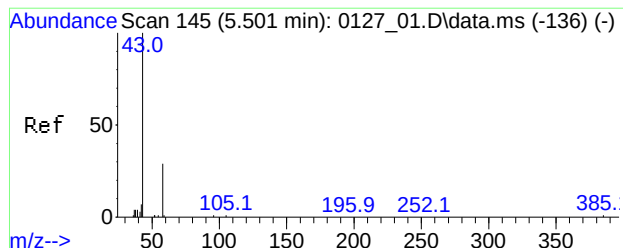
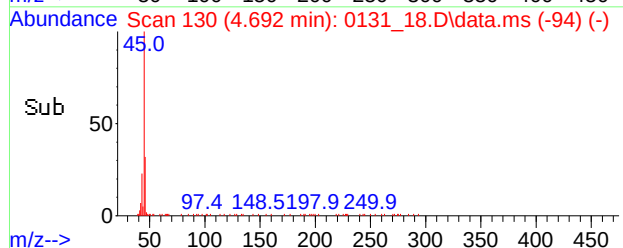
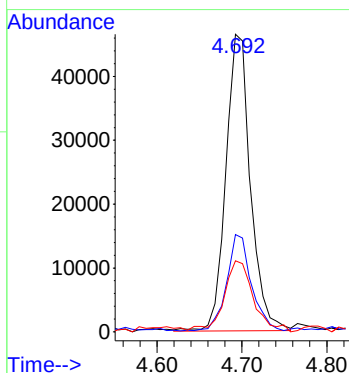
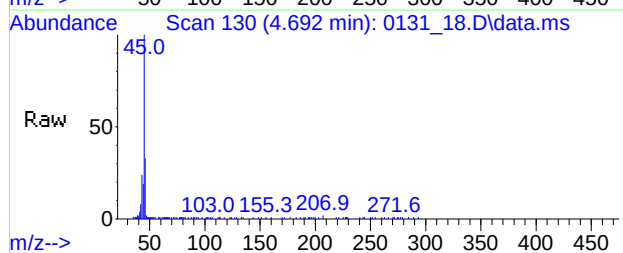
Quant Time: Feb 01 11:31:59 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration





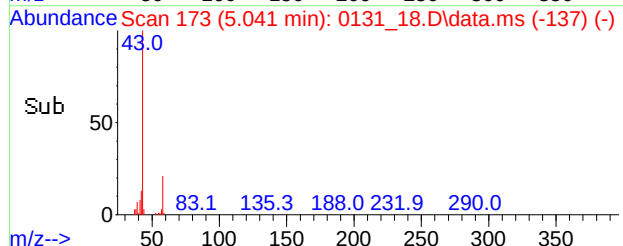
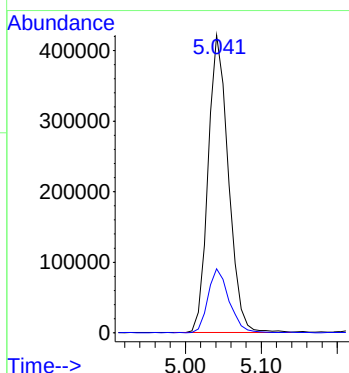
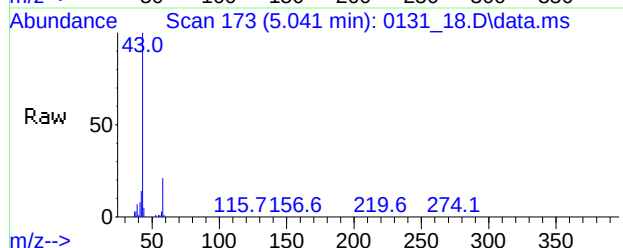
#11
Ethanol
Conc: 8\$ 5.274 ppbv
RT: 4.692 min Scan# 130
Delta R.T. -0.009 min
Lab File: 0131_18.D
Acq: 1 Feb 2025 1:17 am

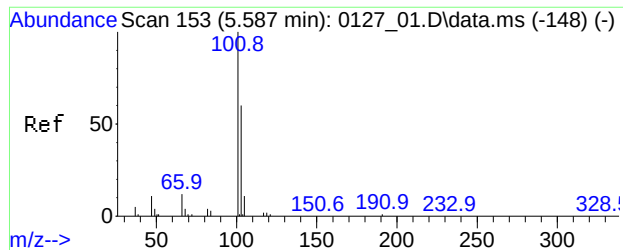
Tgt Ion: 45 Resp: 93524
Ion Ratio Lower Upper
45 100
46 32.6 0.6 0.8#
43 28.7 0.0 0.0#



#12
Acetone
Conc: 8\$ 9.591 ppbv
RT: 5.041 min Scan# 173
Delta R.T. -0.008 min
Lab File: 0131_18.D
Acq: 1 Feb 2025 1:17 am

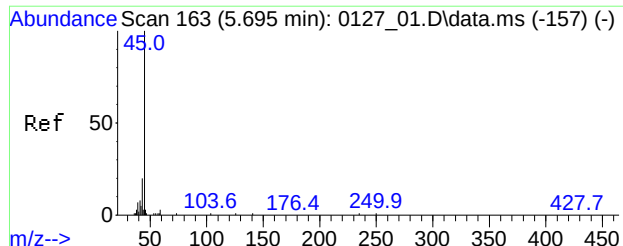
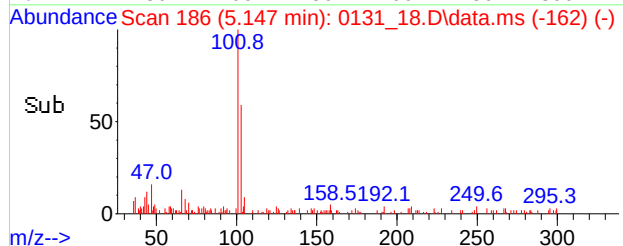
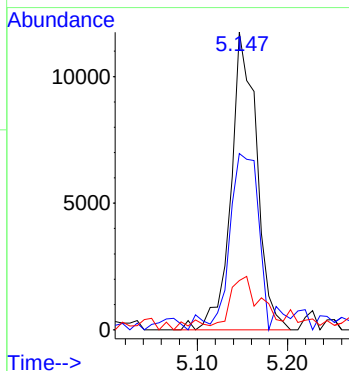
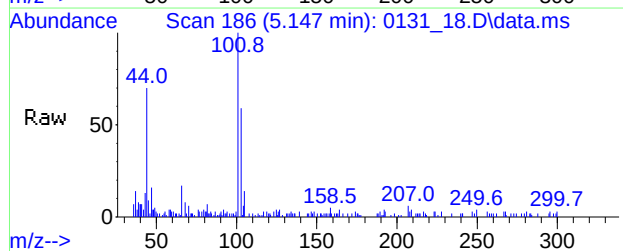
Tgt Ion: 43 Resp: 783230
Ion Ratio Lower Upper
43 100
58 22.1 0.2 0.2#





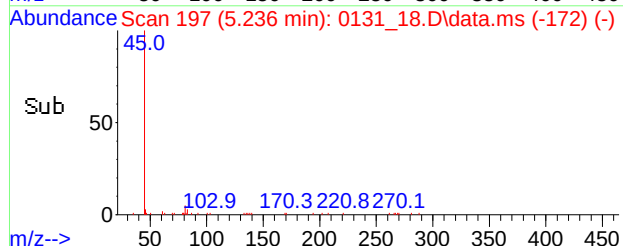
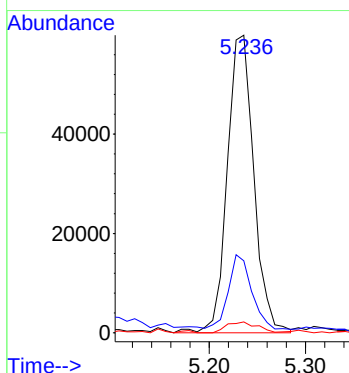
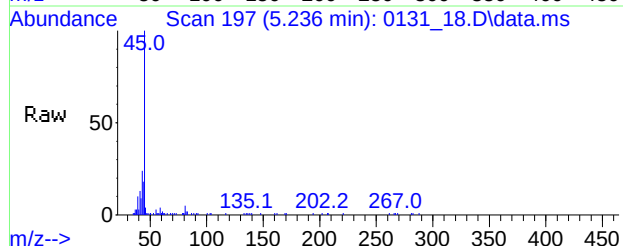
#13
Trichlorofluoromethane
Conc: 8\$ 0.195 ppbv
RT: 5.147 min Scan# 186
Delta R.T. -0.008 min
Lab File: 0131_18.D
Acq: 1 Feb 2025 1:17 am

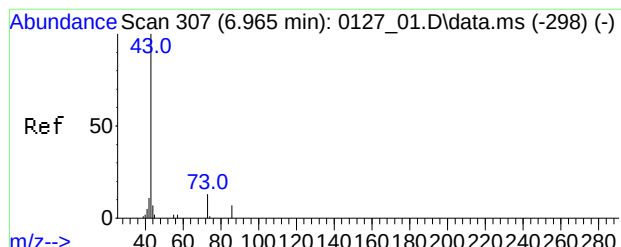
Tgt Ion: 101 Resp: 23372
Ion Ratio Lower Upper
101 100
103 69.7 49.8 74.8
66 18.2 12.1 18.1#



#14
Isopropylalcohol
Conc: 8\$ 1.354 ppbv
RT: 5.236 min Scan# 197
Delta R.T. -0.000 min
Lab File: 0131_18.D
Acq: 1 Feb 2025 1:17 am

Tgt Ion: 45 Resp: 115190
Ion Ratio Lower Upper
45 100
43 21.8 0.0 0.0#
59 4.3 0.6 1.0#

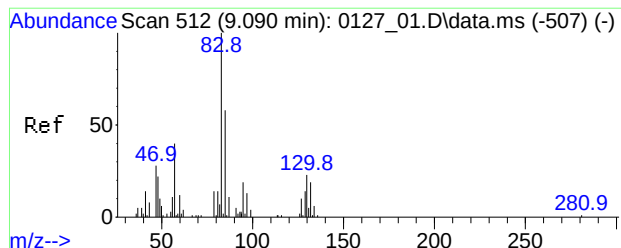
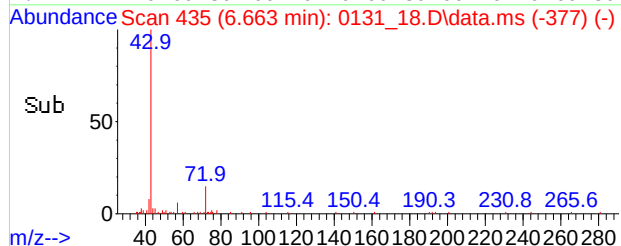
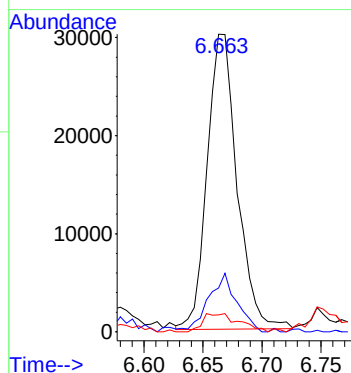
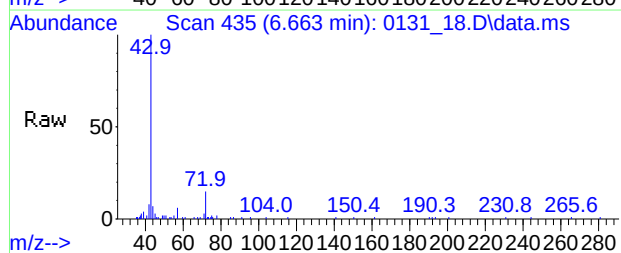




#25
Methyl Ethyl Ketone
Conc: 8\$ 0.871 ppbv
RT: 6.663 min Scan# 435
Delta R.T. 0.000 min
Lab File: 0131_18.D
Acq: 1 Feb 2025 1:17 am

Tgt Ion: 43 Resp: 53153

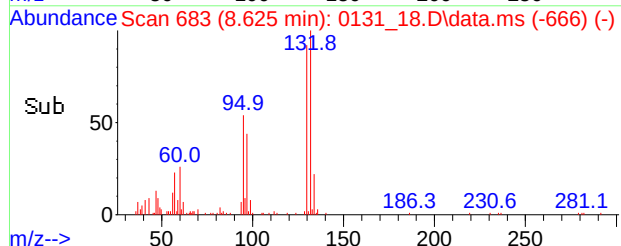
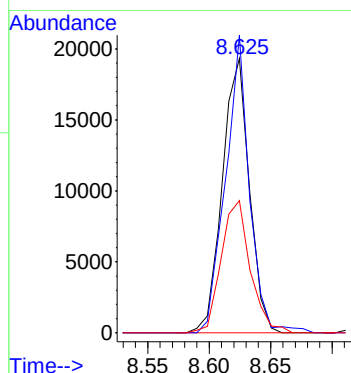
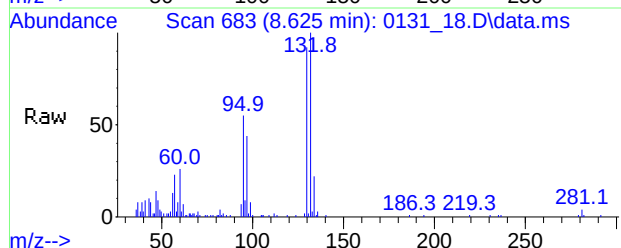
Ion	Ratio	Lower	Upper
43	100		
72	18.7	0.0	0.0#
57	7.5	0.2	0.4#

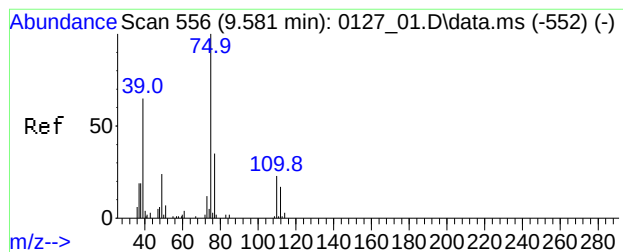


#39
Trichloroethene
Conc: 8\$ 0.587 ppbv
RT: 8.625 min Scan# 683
Delta R.T. -0.000 min
Lab File: 0131_18.D
Acq: 1 Feb 2025 1:17 am

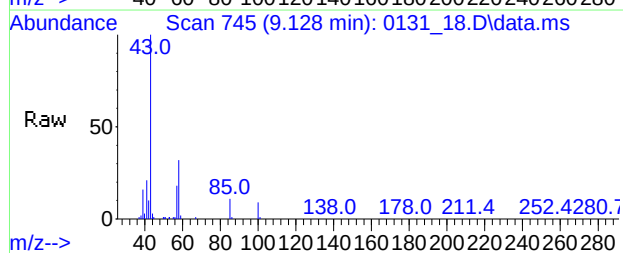
Tgt Ion: 130 Resp: 29519

Ion	Ratio	Lower	Upper
130	100		
132	96.0	88.3	132.5
97	52.0	65.9	98.9#

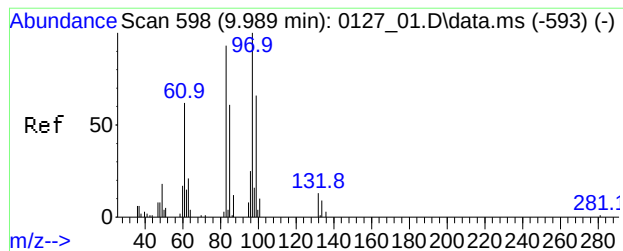
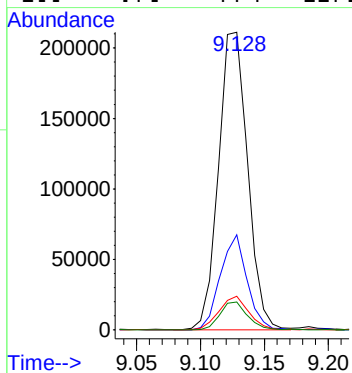
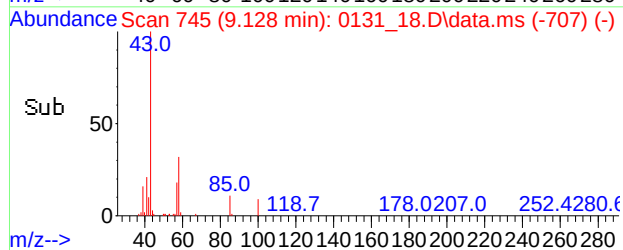




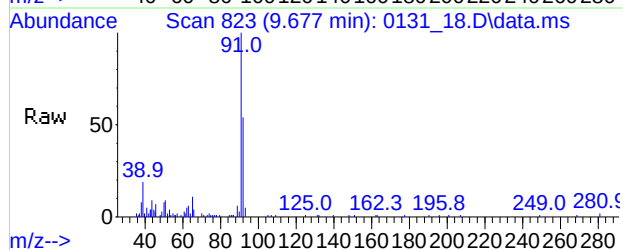
#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 3.981 ppbv
RT: 9.128 min Scan# 745
Delta R.T. 0.000 min
Lab File: 0131_18.D
Acq: 1 Feb 2025 1:17 am



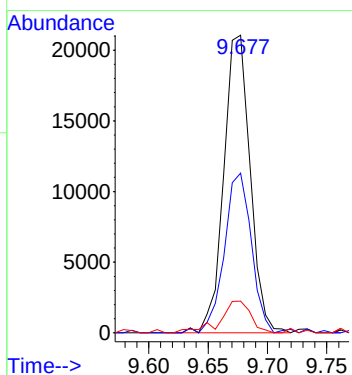
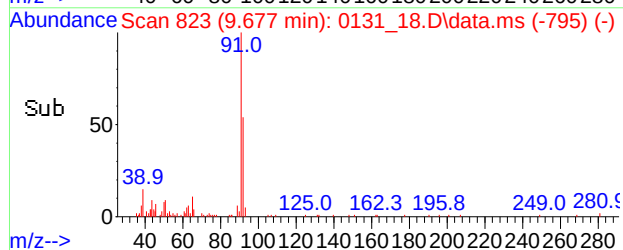
Tgt Ion: 43 Resp: 333540
Ion Ratio Lower Upper
43 100
58 29.4 28.6 43.0
85 11.6 15.4 23.0#
100 9.0 7.4 11.0

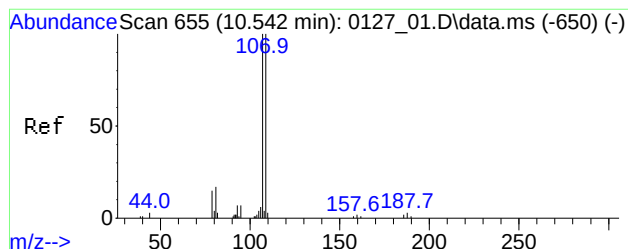


#48
Toluene
Conc: 8\$ 0.309 ppbv
RT: 9.677 min Scan# 823
Delta R.T. 0.000 min
Lab File: 0131_18.D
Acq: 1 Feb 2025 1:17 am



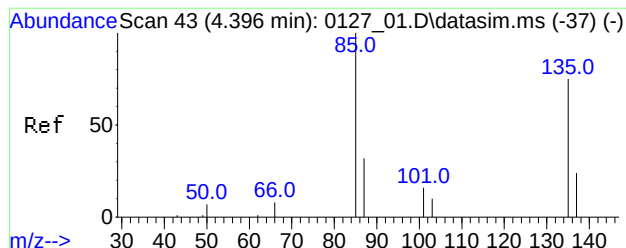
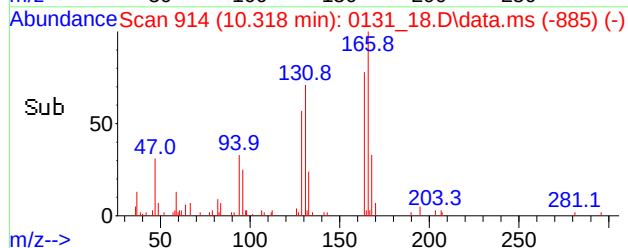
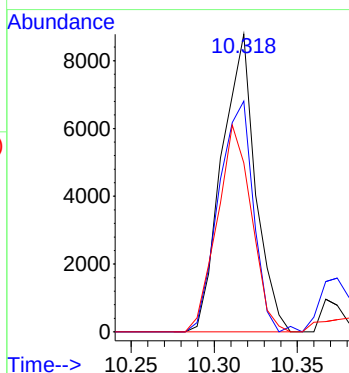
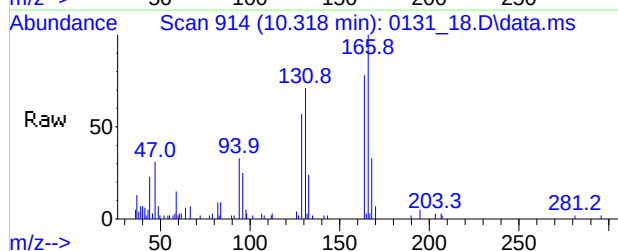
Tgt Ion: 91 Resp: 32541
Ion Ratio Lower Upper
91 100
92 55.1 43.8 65.8
65 12.4 10.6 16.0





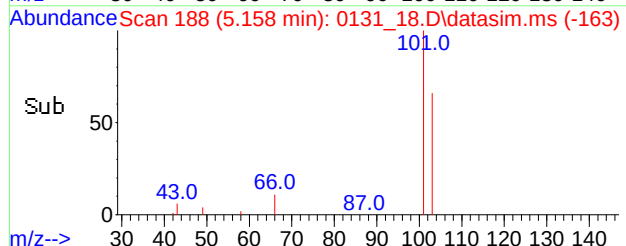
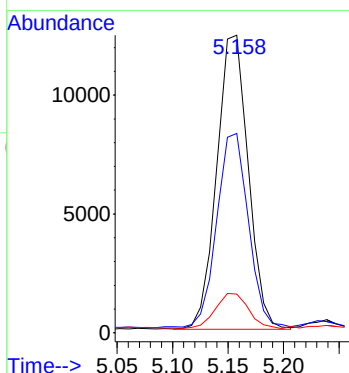
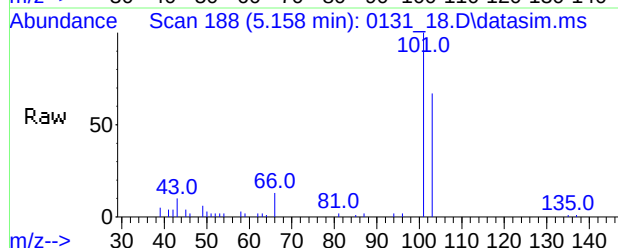
#52
Tetrachloroethene
Conc: 8\$ 0.199 ppbv
RT: 10.318 min Scan# 914
Delta R.T. 0.007 min
Lab File: 0131_18.D
Acq: 1 Feb 2025 1:17 am

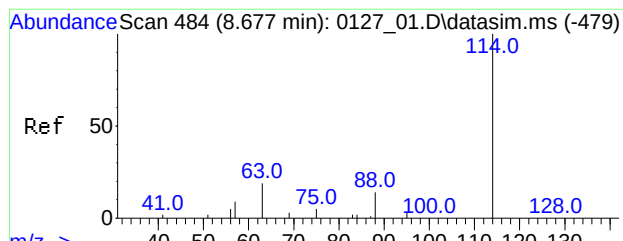
Tgt Ion:166 Resp: 12329
Ion Ratio Lower Upper
166 100
164 80.2 63.4 95.2
129 71.2 68.4 102.6



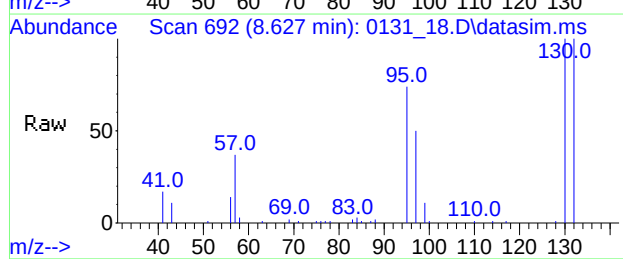
#82
Trichlorofluoromethane(sim)
Conc: 8\$ 0.185 ppbv
RT: 5.158 min Scan# 188
Delta R.T. -0.000 min
Lab File: 0131_18.D
Acq: 1 Feb 2025 1:17 am

Tgt Ion:101 Resp: 24393
Ion Ratio Lower Upper
101 100
103 66.3 51.4 77.0
66 12.5 15.1 15.1#

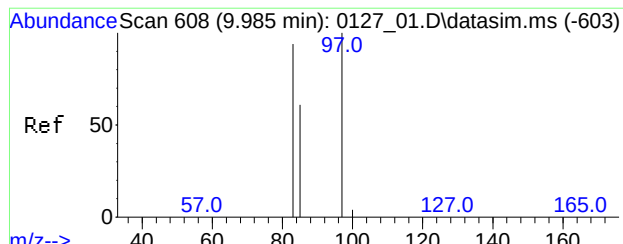
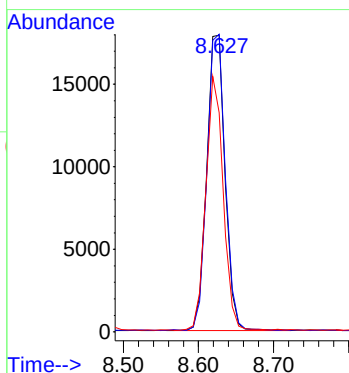




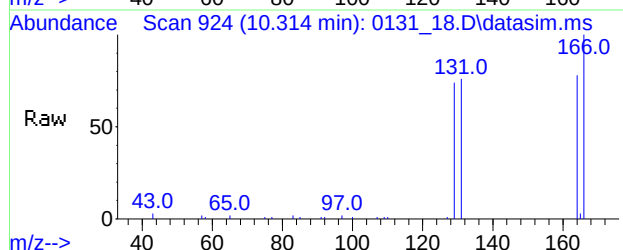
#96
Trichloroethene(sim)
Conc: 8\$ 0.566 ppbv
RT: 8.627 min Scan# 692
Delta R.T. -0.001 min
Lab File: 0131_18.D
Acq: 1 Feb 2025 1:17 am



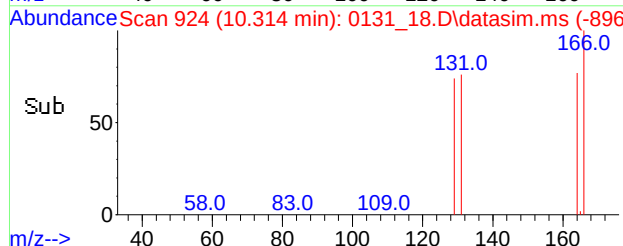
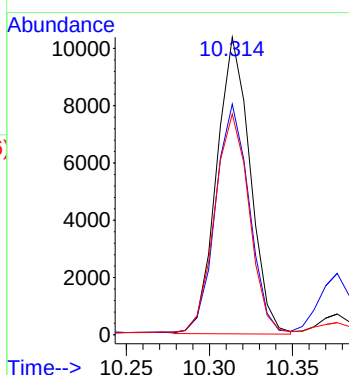
Tgt Ion:130 Resp: 30378
Ion Ratio Lower Upper
130 100
132 99.8 78.4 117.6
95 81.3 92.6 138.8#



#102
Tetrachloroethene(sim)
Conc: 8\$ 0.205 ppbv
RT: 10.314 min Scan# 924
Delta R.T. -0.000 min
Lab File: 0131_18.D
Acq: 1 Feb 2025 1:17 am



Tgt Ion:166 Resp: 14511
Ion Ratio Lower Upper
166 100
164 77.4 54.6 94.6
129 76.9 52.2 92.2



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	SV-C 5X
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55366 5X</u>	
Canister:	<u>23352</u>	Lab File ID:	<u>0131_19.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u>	(cc)	Date Analyzed:	<u>02/01/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>5</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	2.91	U	2.91	2.91	r
75-71-8	Dichlorodifluoromethane	1.01	U	1.01	1.01	r
74-87-3	Chloromethane	2.42	U	2.42	2.42	r
106-99-0	1,3-Butadiene	2.26	U	2.26	2.26	r
75-00-3	Chloroethane	1.90	U	1.90	1.90	r
64-17-5	Ethanol	5.63	S	2.66	2.66	r
67-64-1	Acetone	15.6	S	2.11	2.11	r
75-69-4	Trichlorofluoromethane	23.9		0.891	0.891	r
67-63-0	Isopropylalcohol	2.04	U	2.04	2.04	r
107-13-1	Acrylonitrile	2.31	U	2.31	2.31	r
75-09-2	Methylene Chloride	4.32	U	4.32	4.32	r
75-15-0	Carbon Disulfide	1.61	U	1.61	1.61	r
1634-04-4	Methyl tert-butyl ether(MTBE)	1.39	U	1.39	1.39	r
78-93-3	Methyl Ethyl Ketone	1.99		1.70	1.70	r
110-54-3	Hexane	1.90	S	1.42	1.42	r
141-78-6	Ethyl acetate	1.39	U	1.39	1.39	r
109-99-9	Tetrahydrofuran	1.80		1.70	1.70	r
110-82-7	Cyclohexane	1.45	U	1.45	1.45	r
540-84-1	2,2,4-trimethylpentane	1.07	U	1.07	1.07	r
142-82-5	Heptane	1.27		1.22	1.22	r
108-10-1	4-Methyl-2-pentanone(MIBK)	1.22	U	1.22	1.22	r
10061-02-6	trans-1,3-Dichloropropene	1.10	U	1.10	1.10	r
108-88-3	Toluene	8.81		1.33	1.33	r
591-78-6	2-Hexanone(MBK)	1.22	U	1.22	1.22	r
630-20-6	1,1,1,2-Tetrachloroethane	0.729	U	0.729	0.729	r
108-90-7	Chlorobenzene	1.09	U	1.09	1.09	r
100-41-4	Ethylbenzene	3.34		1.15	1.15	r
179601-23-1	m,p-Xylene	10.9		1.15	1.15	r
100-42-5	Styrene	1.17	U	1.17	1.17	r
95-47-6	o-Xylene	3.35		1.15	1.15	r
98-82-8	Isopropylbenzene	1.02	U	1.02	1.02	r
622-96-8	4-Ethyltoluene	2.62		1.02	1.02	r
108-67-8	1,3,5-Trimethylbenzene	1.02	U	1.02	1.02	r
95-63-6	1,2,4-Trimethylbenzene	2.42		1.02	1.02	r
91-20-3	Naphthalene	1.00	U	1.00	1.00	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.716	U	0.716	0.716	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55366 5X</u>
Canister:	<u>23352</u>	Lab File ID:	<u>0131_19.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>02/01/25</u>
		Dilution Factor:	<u>5</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.390	U	0.390	0.390	r
74-83-9	Bromomethane(sim)	1.29	U	1.29	1.29	r
107-06-2	1,2-Dichloroethane(sim)	1.24	U	1.24	1.24	r
71-55-6	1,1,1-Trichloroethane(sim)	0.917	U	0.917	0.917	r
71-43-2	Benzene(sim)	1.57	U	1.57	1.57	r
56-23-5	Carbon Tetrachloride(sim)	0.159	U	0.159	0.159	r
75-35-4	1,1-Dichloroethene(sim)	0.252	U	0.252	0.252	r
76-13-1	Trichlorotrifluoroethane(sim)	0.653	U	0.653	0.653	r
156-60-5	Trans-1,2-Dichloroethene(sim)	1.26	U	1.26	1.26	r
75-34-3	1,1-Dichloroethane(sim)	1.24	U	1.24	1.24	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
67-66-3	Chloroform(sim)	1.02	U	1.02	1.02	r
78-87-5	1,2-dichloropropane(sim)	1.08	U	1.08	1.08	r
75-27-4	Bromodichloromethane(sim)	0.747	U	0.747	0.747	r
79-01-6	Trichloroethene(sim)	0.185	U	0.185	0.185	r
123-91-1	1,4-Dioxane(sim)	1.39	U	1.39	1.39	r
10061-01-5	cis-1,3-Dichloropropene(sim)	1.10	U	1.10	1.10	r
79-00-5	1,1,2-Trichloroethane(sim)	0.917	U	0.917	0.917	r
124-48-1	Dibromochloromethane(sim)	0.587	U	0.587	0.587	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.651	U	0.651	0.651	r
127-18-4	Tetrachloroethene(sim)	0.184	U	0.184	0.184	r
75-25-2	Bromoform(sim)	0.484	U	0.484	0.484	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.729	U	0.729	0.729	r
100-44-7	Benzyl chloride(sim)	0.966	U	0.966	0.966	r
541-73-1	1,3-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
106-46-7	1,4-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
135-98-8	sec-Butylbenzene(sim)	0.911	U	0.911	0.911	r
99-87-6	4-Isopropyltoluene(sim)	0.911	U	0.911	0.911	r
95-50-1	1,2-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
104-51-8	n-Butylbenzene(sim)	0.911	U	0.911	0.911	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.674	U	0.674	0.674	r
87-68-3	Hexachlorobutadiene(sim)	0.469	U	0.469	0.469	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_19.D
 Acq On : 1 Feb 2025 1:49 am
 Operator :
 Client ID : SV-C 5X
 Lab ID : CS55366 5X
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 01 11:32:25 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

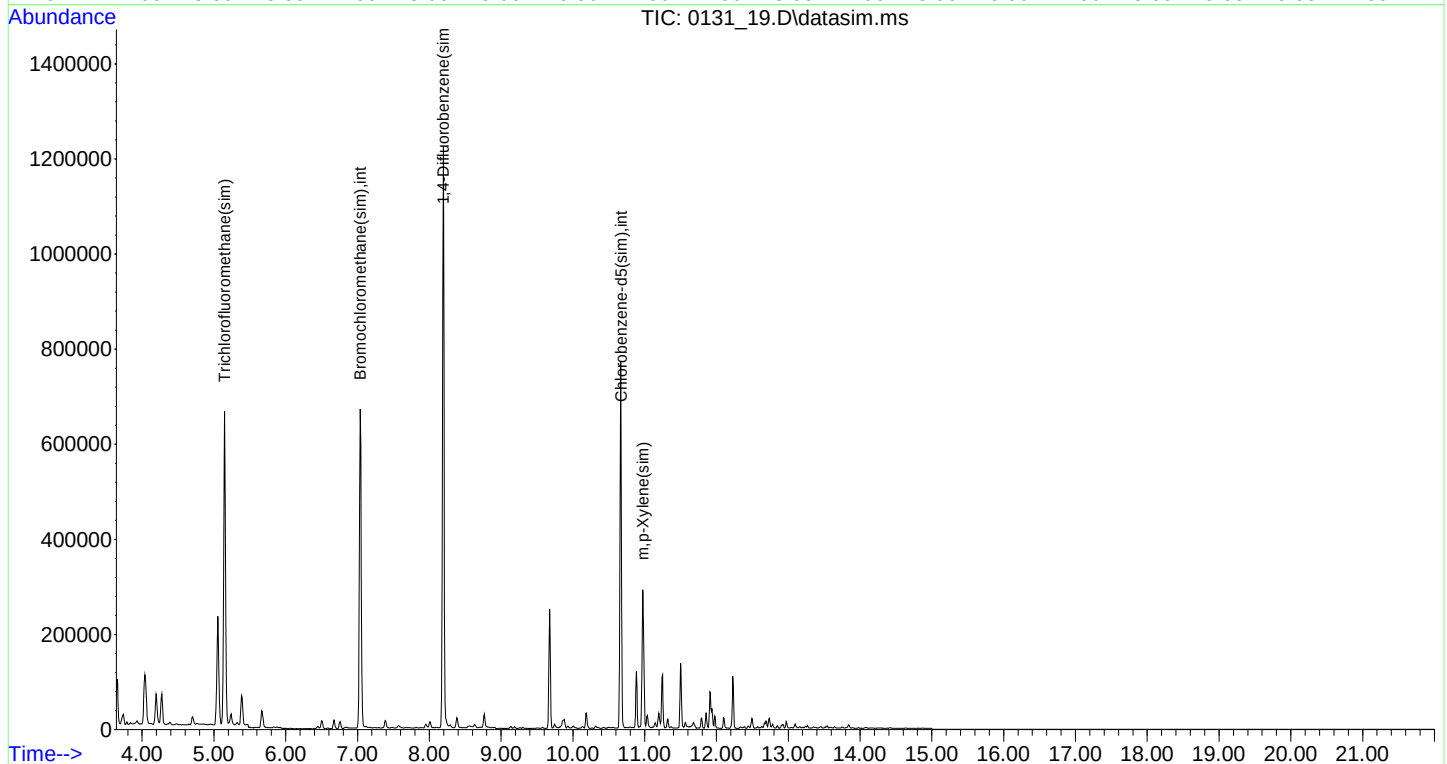
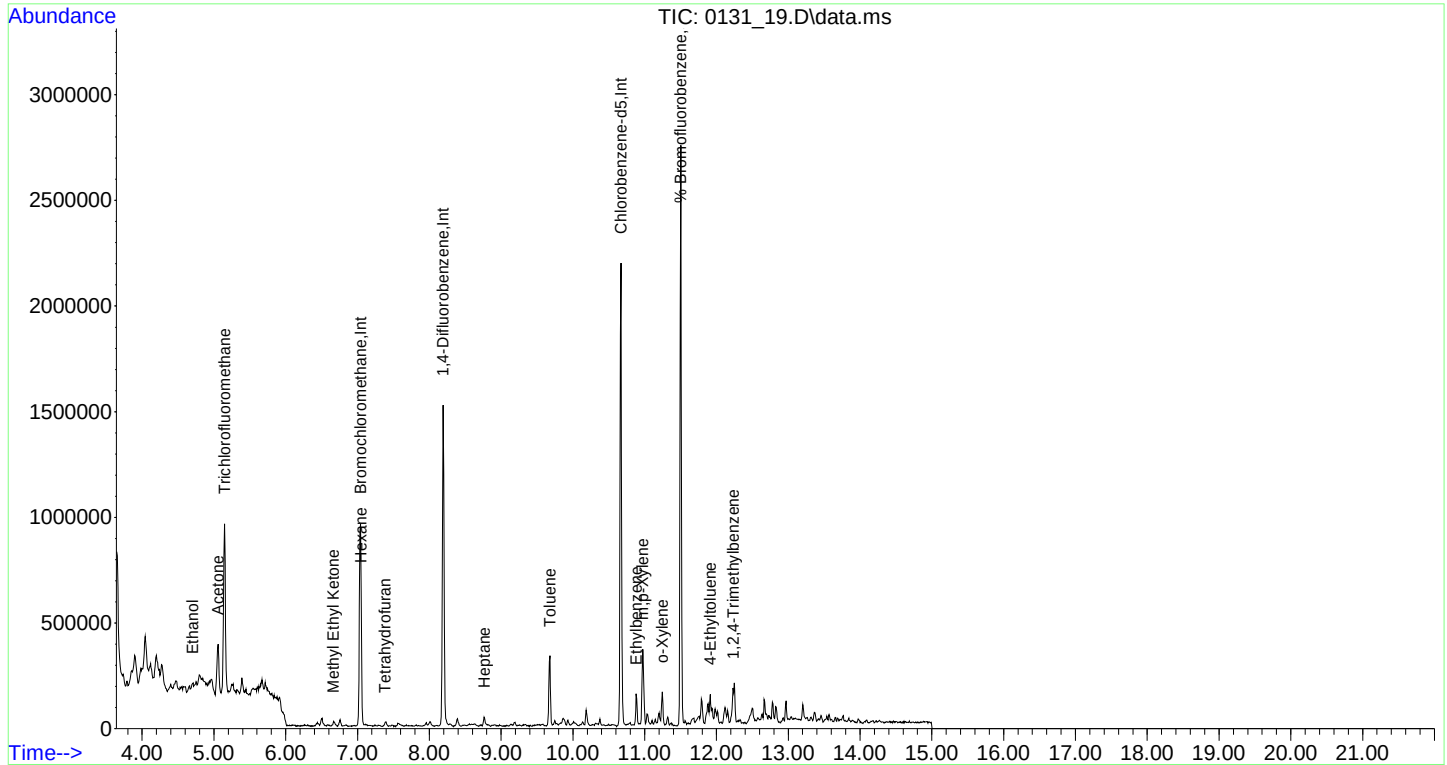
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

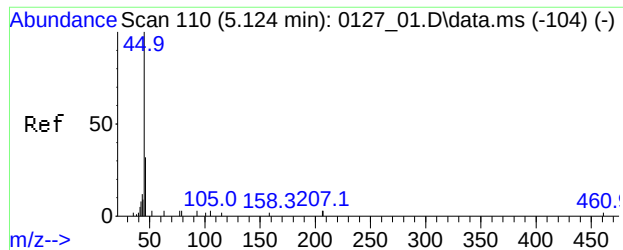
Internal Standards						
1) Bromochloromethane	7.042	130	328458	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1095836	10.000	ng	0.00
53) Chlorobenzene-d5	10.669	82	464811	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	376327	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1095836	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.669	82	464773	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.503	95	575241	10.861	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 108.60%		
Target Compounds						
					Qvalue	
11) Ethanol	4.701	45	20680	1.126	ppbv#	34
12) Acetone	5.058	43	263571	3.115	ppbv#	83
13) Trichlorofluoromethane	5.147	101	592537	4.773	ppbv	94
25) Methyl Ethyl Ketone	6.663	43	25080	0.397	ppbv#	88
27) Hexane	7.050	57	15489	0.379	ppbv#	95
30) Tetrahydrofuran	7.383	42	11997	0.360	ppbv	93
43) Heptane	8.763	43	14885	0.254	ppbv	92
48) Toluene	9.679	91	196292	1.762	ppbv#	94
52) Tetrachloroethene	10.312	166	2140	0.033	ppbv#	84
56) Ethylbenzene	10.881	91	82391	0.668	ppbv	87
57) m, p-Xylene	10.972	91	196809	2.172	ppbv	100
61) o-Xylene	11.245	91	67355	0.670	ppbv#	81
65) 4-Ethyltoluene	11.913	105	77122	0.523	ppbv	96
67) 1,2,4-Trimethylbenzene	12.232	105	63471	0.483	ppbv#	86
82] Trichlorofluoromethane...	5.150	101	648595	4.701	ppbv#	96
105] m, p-Xylene(sim)	10.972	91	196809	1.975	ppbv#	85

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_19.D
Acq On : 1 Feb 2025 1:49 am
Operator :
Client ID : SV-C 5X
Lab ID : CS55366 5X
ALS Vial : 14 Sample Multiplier: 1

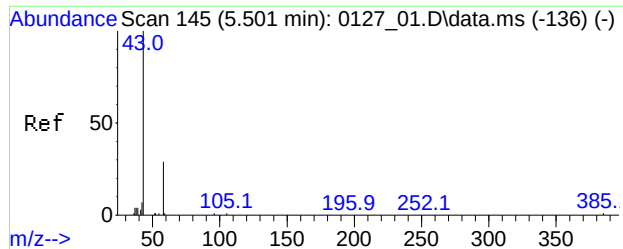
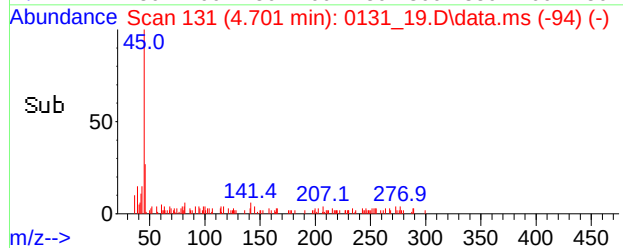
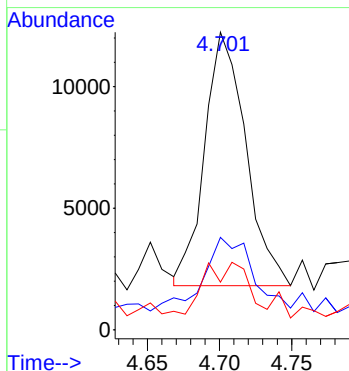
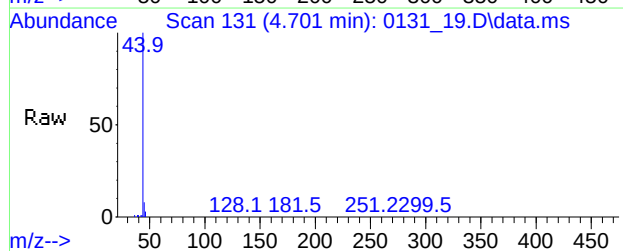
Quant Time: Feb 01 11:32:25 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration





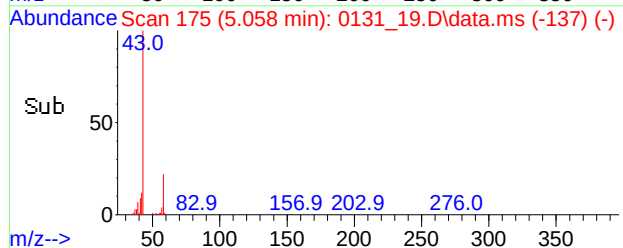
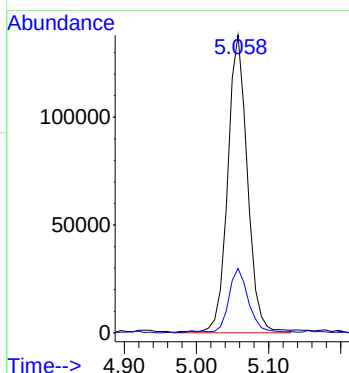
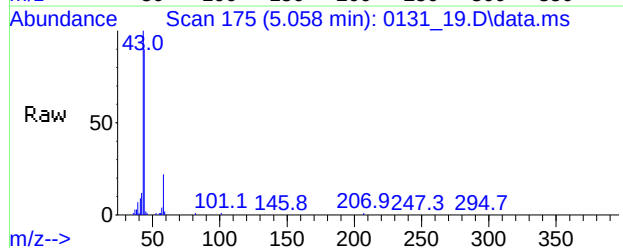
#11
Ethanol
Conc: 8\$ 1.126 ppbv
RT: 4.701 min Scan# 131
Delta R.T. -0.000 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

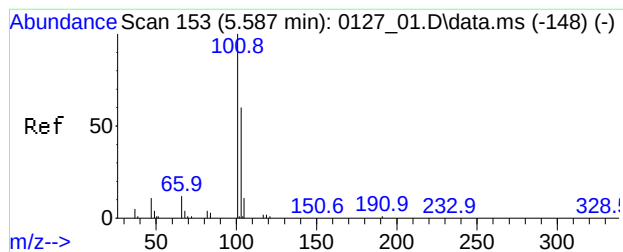
Tgt Ion: 45 Resp: 20680
Ion Ratio Lower Upper
45 100
46 35.5 0.6 0.8#
43 20.8 0.0 0.0#



#12
Acetone
Conc: 8\$ 3.115 ppbv
RT: 5.058 min Scan# 175
Delta R.T. 0.008 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

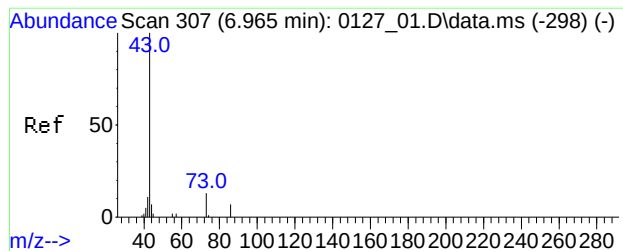
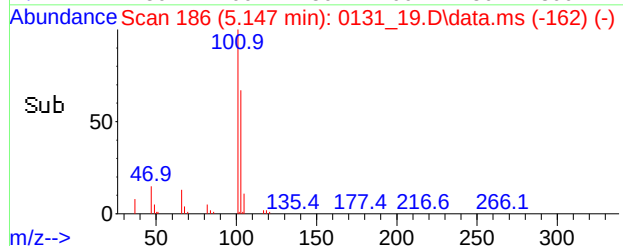
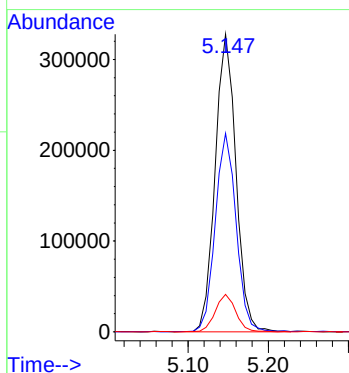
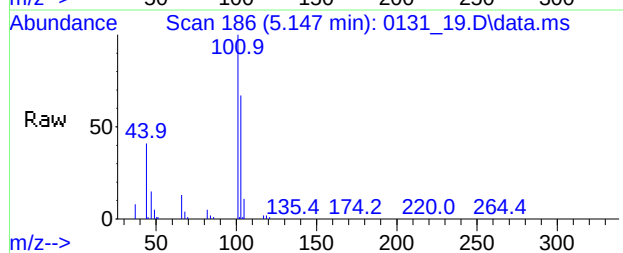
Tgt Ion: 43 Resp: 263571
Ion Ratio Lower Upper
43 100
58 21.6 0.2 0.2#





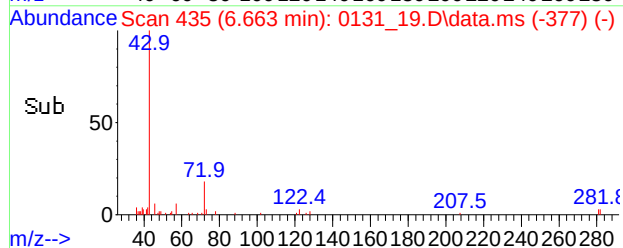
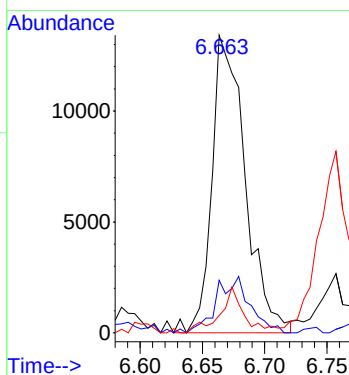
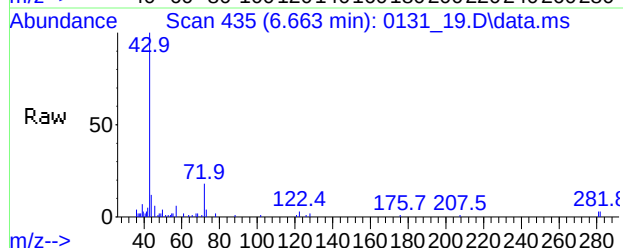
#13
Trichlorofluoromethane
Conc: 8\$ 4.773 ppbv
RT: 5.147 min Scan# 186
Delta R.T. -0.008 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

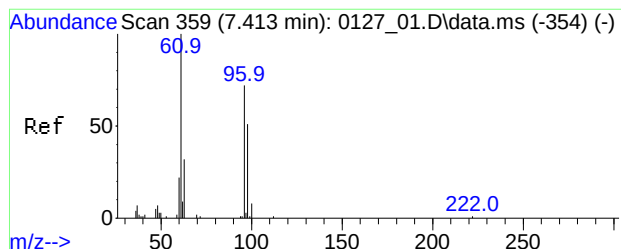
Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.1	49.8	74.8
66	12.5	12.1	18.1



#25
Methyl Ethyl Ketone
Conc: 8\$ 0.397 ppbv
RT: 6.663 min Scan# 435
Delta R.T. 0.000 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

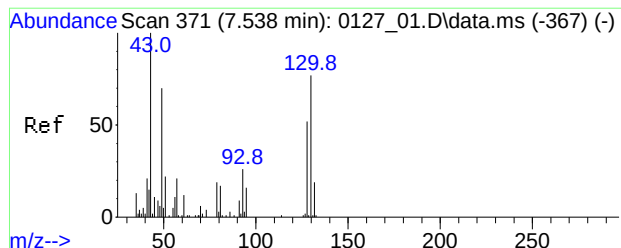
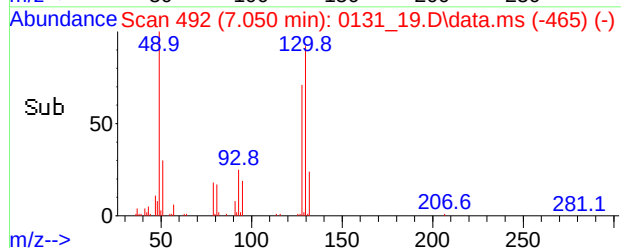
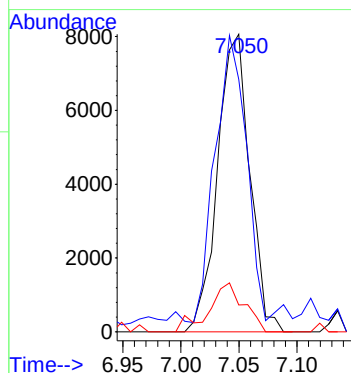
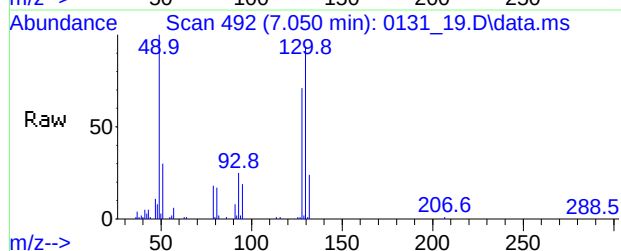
Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.0	0.0	0.0#
57	11.2	0.2	0.4#





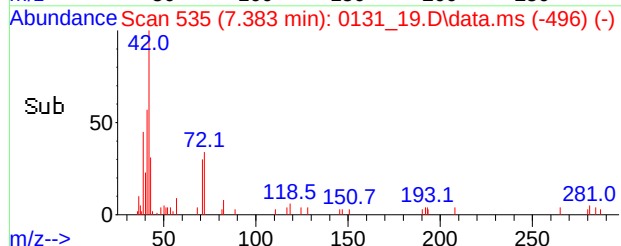
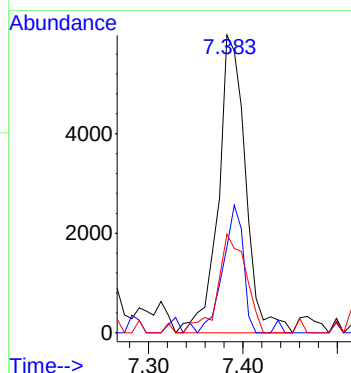
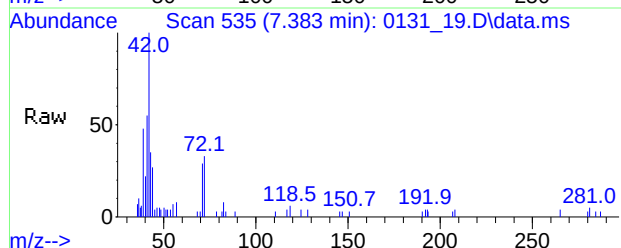
#27
Hexane
Conc: 8\$ 0.379 ppbv
RT: 7.050 min Scan# 492
Delta R.T. 0.008 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

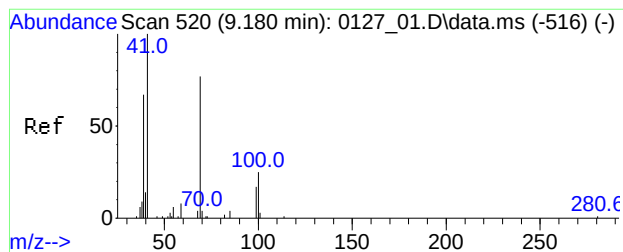
Tgt Ion: 57 Resp: 15489
Ion Ratio Lower Upper
57 100
41 94.6 73.0 109.6
86 17.8 9.8 14.8#



#30
Tetrahydrofuran
Conc: 8\$ 0.360 ppbv
RT: 7.383 min Scan# 535
Delta R.T. -0.000 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

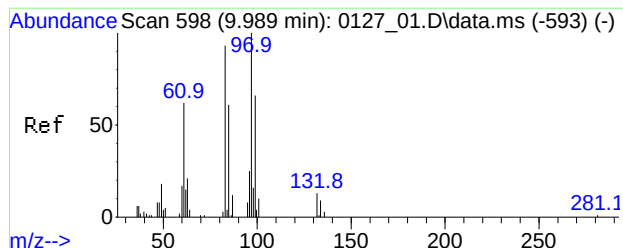
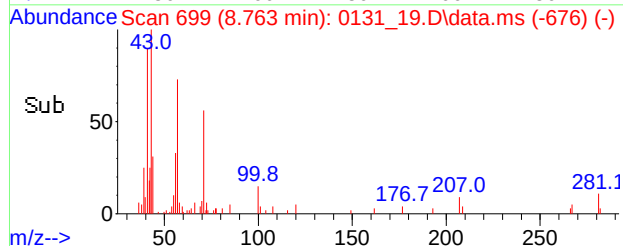
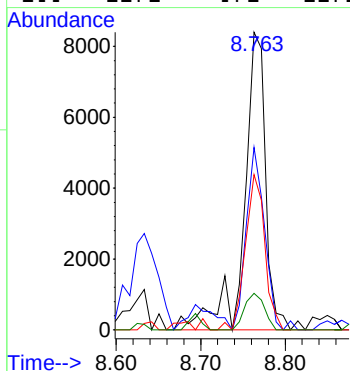
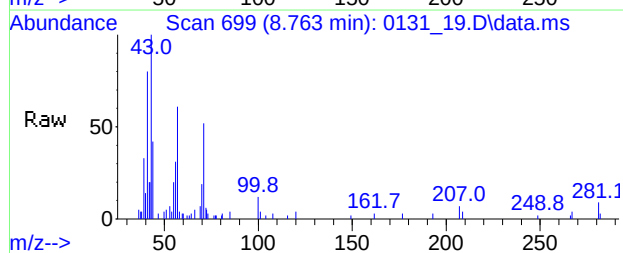
Tgt Ion: 42 Resp: 11997
Ion Ratio Lower Upper
42 100
71 31.8 29.4 44.0
72 34.1 30.2 45.4





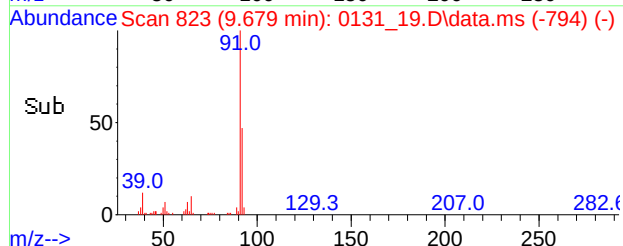
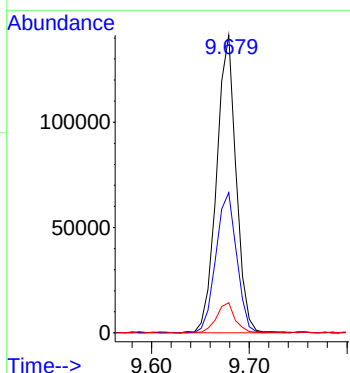
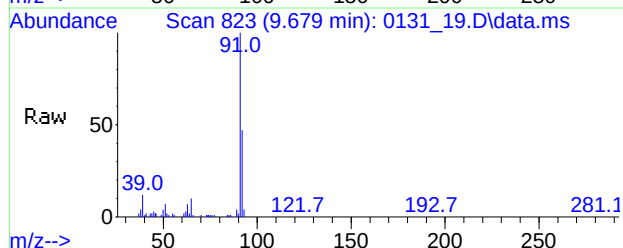
#43
Heptane
Conc: 8\$ 0.254 ppbv
RT: 8.763 min Scan# 699
Delta R.T. 0.000 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

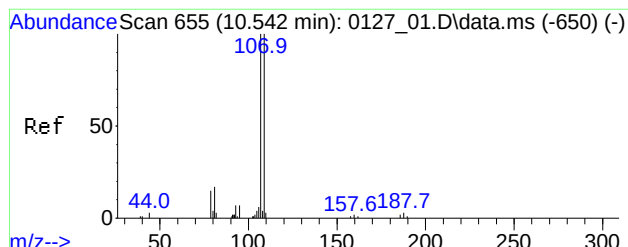
Tgt Ion: 43	Resp: 14885
Ion Ratio	Lower Upper
43 100	
57 52.0	39.4 59.0
71 46.6	44.5 66.7
100 11.2	8.2 12.2



#48
Toluene
Conc: 8\$ 1.762 ppbv
RT: 9.679 min Scan# 823
Delta R.T. 0.002 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

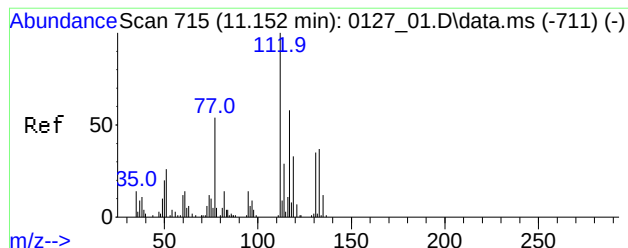
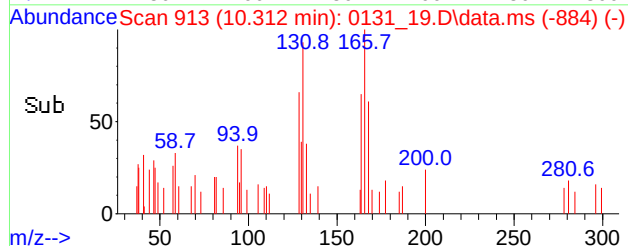
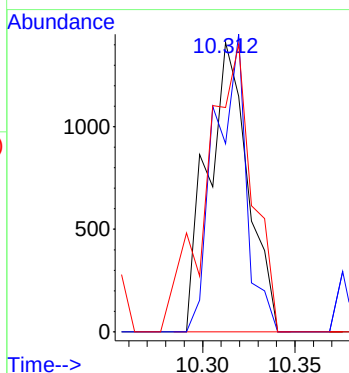
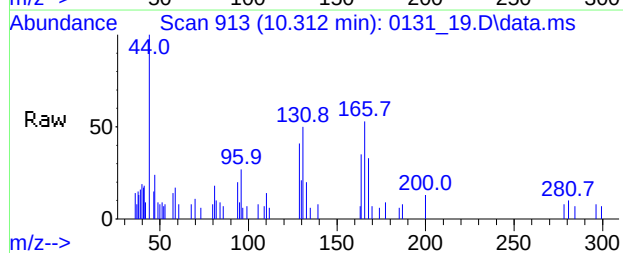
Tgt Ion: 91	Resp: 196292
Ion Ratio	Lower Upper
91 100	
92 50.5	43.8 65.8
65 9.8	10.6 16.0#





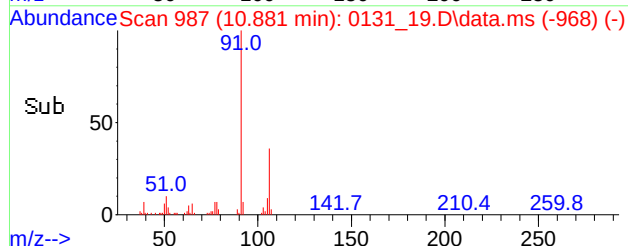
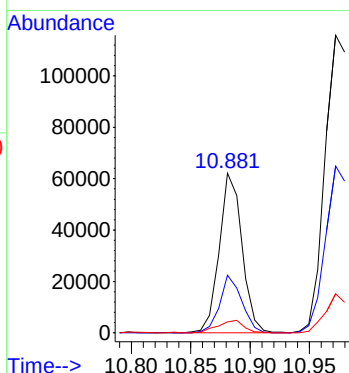
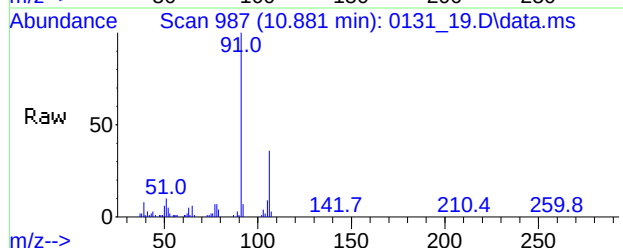
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.312 min Scan# 913
Delta R.T. 0.001 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

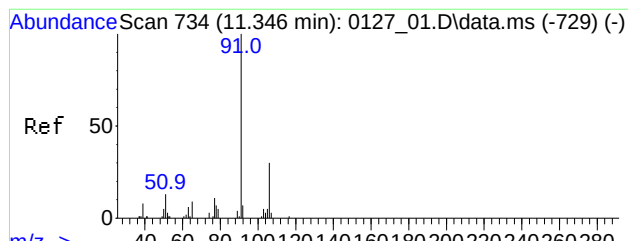
Tgt Ion: 166 Resp: 2140
Ion Ratio Lower Upper
166 100
164 80.1 63.4 95.2
129 113.7 68.4 102.6#



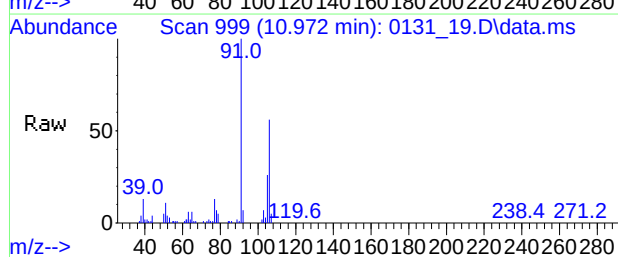
#56
Ethylbenzene
Conc: 8\$ 0.668 ppbv
RT: 10.881 min Scan# 987
Delta R.T. -0.006 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

Tgt Ion: 91 Resp: 82391
Ion Ratio Lower Upper
91 100
106 34.8 24.0 64.0
77 9.1 0.0 33.4

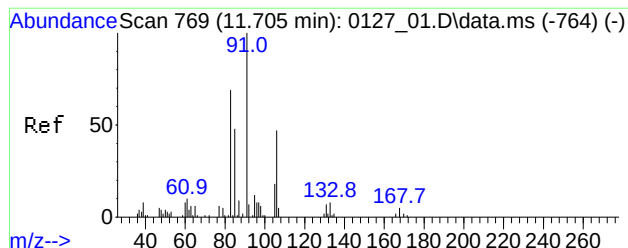
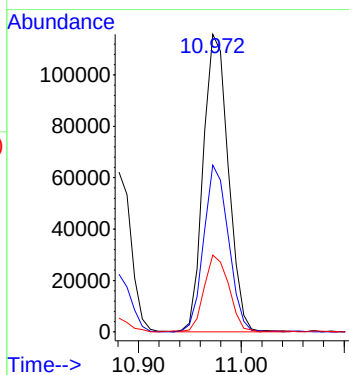
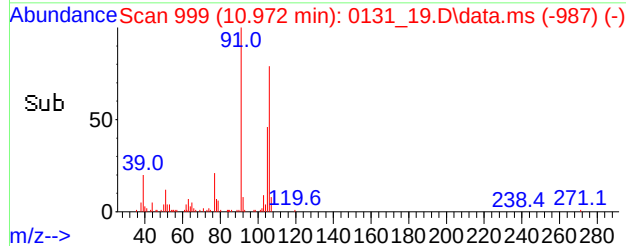




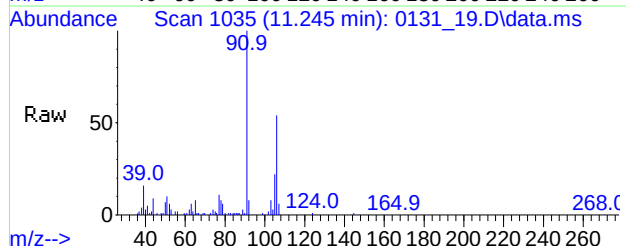
#57
m,p-Xylene
Conc: 8\$ 2.172 ppbv
RT: 10.972 min Scan# 999
Delta R.T. -0.006 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am



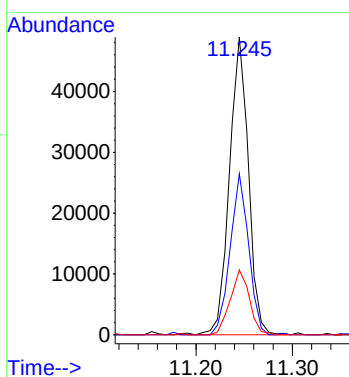
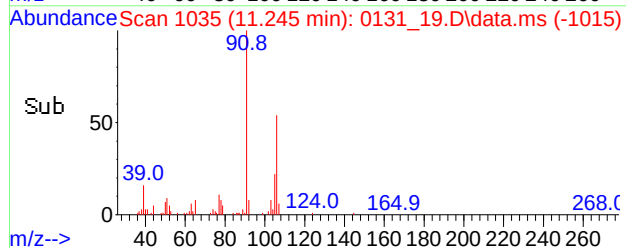
Tgt Ion: 91 Resp: 196809
Ion Ratio Lower Upper
91 100
106 55.2 0.0 0.0#
105 25.6 0.0 0.0#

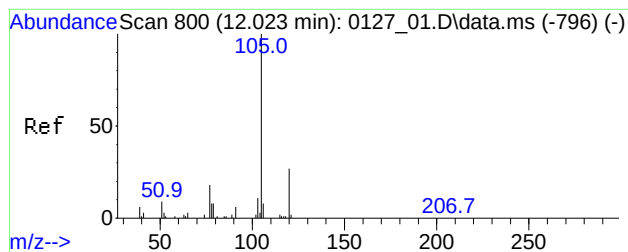


#61
o-Xylene
Conc: 8\$ 0.670 ppbv
RT: 11.245 min Scan# 1035
Delta R.T. 0.002 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am



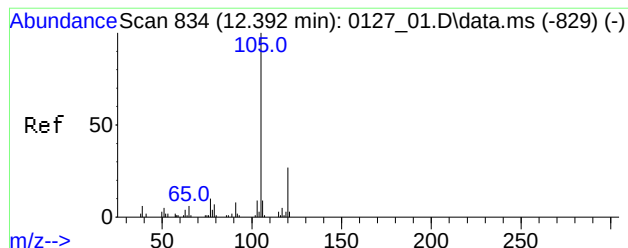
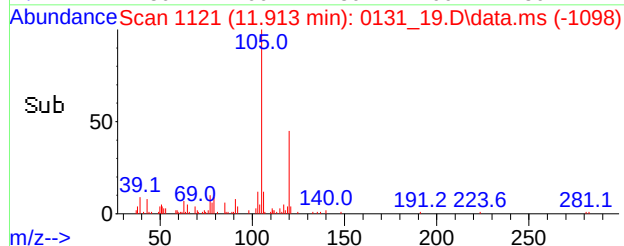
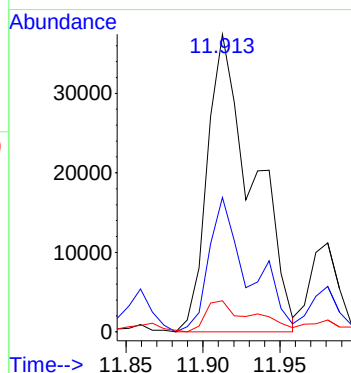
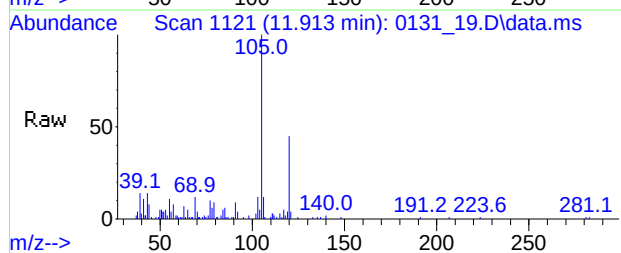
Tgt Ion: 91 Resp: 67355
Ion Ratio Lower Upper
91 100
106 52.6 31.7 47.5#
105 22.1 13.4 20.0#





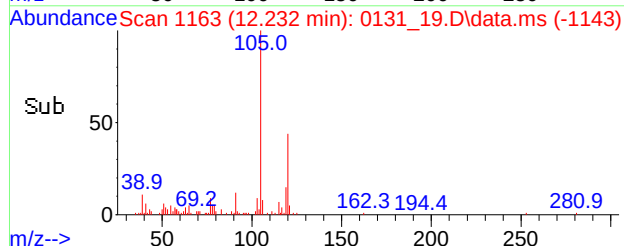
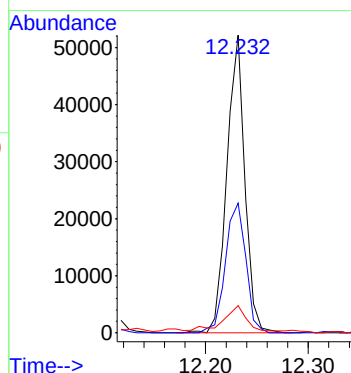
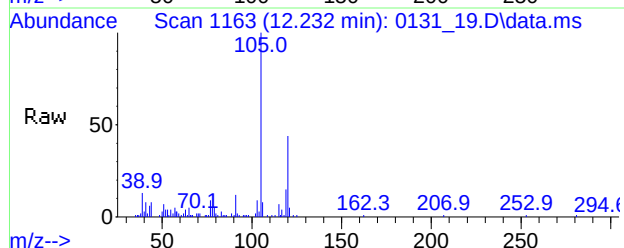
#65
4-Ethyltoluene
Conc: 8\$ 0.523 ppbv
RT: 11.913 min Scan# 1121
Delta R.T. -0.028 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

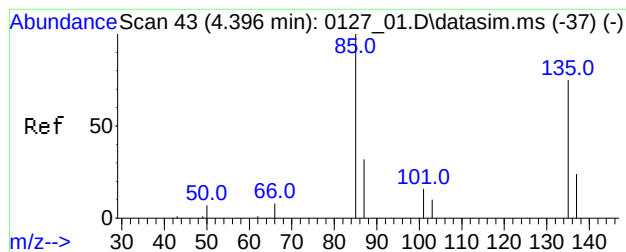
Tgt Ion: 105 Resp: 77122
Ion Ratio Lower Upper
105 100
120 39.7 30.2 45.4
77 10.7 10.5 15.7



#67
1,2,4-Trimethylbenzene
Conc: 8\$ 0.483 ppbv
RT: 12.232 min Scan# 1163
Delta R.T. 0.002 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

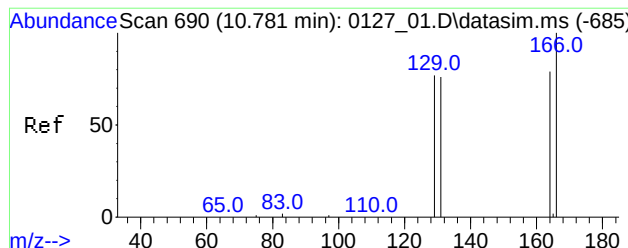
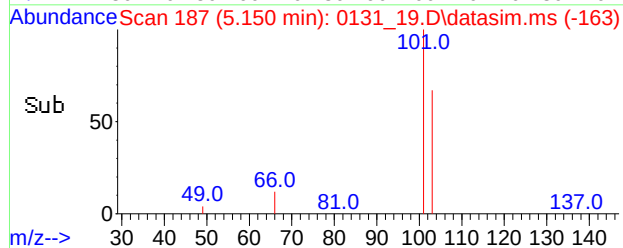
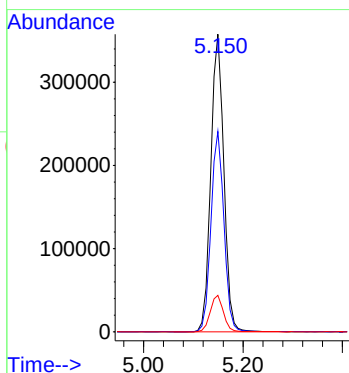
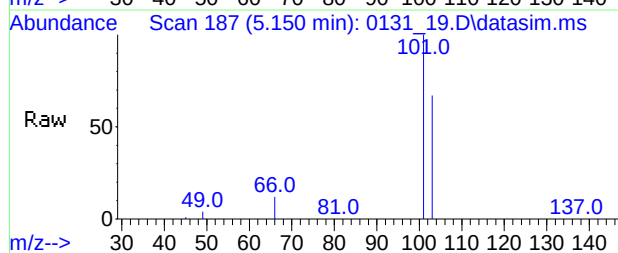
Tgt Ion: 105 Resp: 63471
Ion Ratio Lower Upper
105 100
120 49.3 39.4 59.2
77 10.2 23.9 35.9#





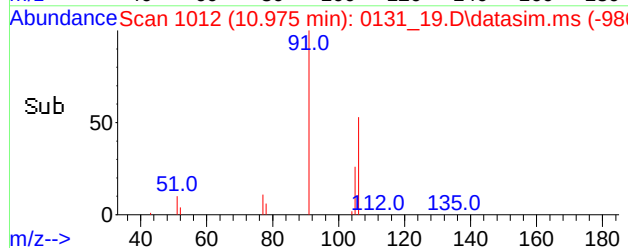
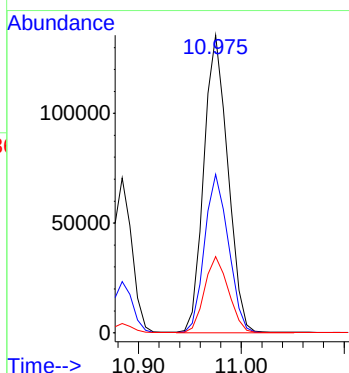
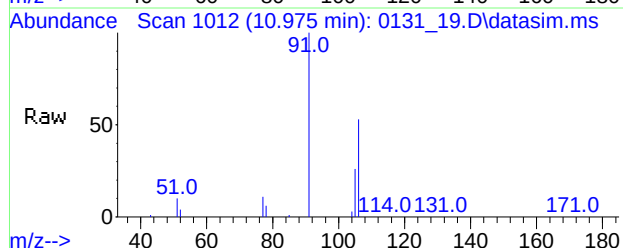
#82
Trichlorofluoromethane(sim)
Conc: 8\$ 4.701 ppbv
RT: 5.150 min Scan# 187
Delta R.T. -0.008 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.4	77.0
66	12.3	15.1	15.1#



#105
m,p-Xylene(sim)
Conc: 8\$ 1.975 ppbv
RT: 10.972 min Scan# 1012
Delta R.T. -0.006 min
Lab File: 0131_19.D
Acq: 1 Feb 2025 1:49 am

Tgt Ion	Ratio	Lower	Upper
91	100		
106	55.2	39.6	48.4#
105	25.6	16.6	24.8#



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55367 5X</u>
Canister:	<u>4629</u>	Lab File ID:	<u>0131_20.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>02/01/25</u>
		Dilution Factor:	<u>5</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	5.17		2.91	2.91	r
75-71-8	Dichlorodifluoromethane	1.01	U	1.01	1.01	r
74-87-3	Chloromethane	2.42	U	2.42	2.42	r
106-99-0	1,3-Butadiene	2.26	U	2.26	2.26	r
75-00-3	Chloroethane	1.90	U	1.90	1.90	r
64-17-5	Ethanol	142	S	2.66	2.66	r
67-64-1	Acetone	1100	ES	2.11	2.11	r
67-63-0	Isopropylalcohol	23.4	S	2.04	2.04	r
107-13-1	Acrylonitrile	2.31	U	2.31	2.31	r
75-09-2	Methylene Chloride	4.32	U	4.32	4.32	r
75-15-0	Carbon Disulfide	1.61	U	1.61	1.61	r
1634-04-4	Methyl tert-butyl ether(MTBE)	1.39	U	1.39	1.39	r
78-93-3	Methyl Ethyl Ketone	33.4		1.70	1.70	r
110-54-3	Hexane	2.42	S	1.42	1.42	r
141-78-6	Ethyl acetate	1.39	U	1.39	1.39	r
109-99-9	Tetrahydrofuran	1.70	U	1.70	1.70	r
71-43-2	Benzene	3.85		1.57	1.57	r
110-82-7	Cyclohexane	2.88		1.45	1.45	r
79-01-6	Trichloroethene	0.775		0.185	0.185	r
540-84-1	2,2,4-trimethylpentane	1.18		1.07	1.07	r
123-91-1	1,4-Dioxane	3.52		1.39	1.39	r
142-82-5	Heptane	3.39		1.22	1.22	r
108-10-1	4-Methyl-2-pentanone(MIBK)	2.55		1.22	1.22	r
10061-02-6	trans-1,3-Dichloropropene	1.10	U	1.10	1.10	r
108-88-3	Toluene	16.7		1.33	1.33	r
591-78-6	2-Hexanone(MBK)	2.23		1.22	1.22	r
630-20-6	1,1,1,2-Tetrachloroethane	0.729	U	0.729	0.729	r
108-90-7	Chlorobenzene	1.09	U	1.09	1.09	r
100-41-4	Ethylbenzene	7.10		1.15	1.15	r
179601-23-1	m,p-Xylene	22.6		1.15	1.15	r
100-42-5	Styrene	1.17	U	1.17	1.17	r
95-47-6	o-Xylene	7.53		1.15	1.15	r
98-82-8	Isopropylbenzene	1.02	U	1.02	1.02	r
622-96-8	4-Ethyltoluene	6.37		1.02	1.02	r
108-67-8	1,3,5-Trimethylbenzene	1.56		1.02	1.02	r
95-63-6	1,2,4-Trimethylbenzene	5.87		1.02	1.02	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55367 5X</u>
Canister:	<u>4629</u>	Lab File ID:	<u>0131_20.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>02/01/25</u>
		Dilution Factor:	<u>5</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
91-20-3	Naphthalene	1.00	U	1.00	1.00	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.716	U	0.716	0.716	r
75-01-4	Vinyl Chloride(sim)	0.390	U	0.390	0.390	r
74-83-9	Bromomethane(sim)	1.29	U	1.29	1.29	r
75-69-4	Trichlorofluoromethane(sim)	0.891	U	0.891	0.891	r
107-06-2	1,2-Dichloroethane(sim)	1.24	U	1.24	1.24	r
71-55-6	1,1,1-Trichloroethane(sim)	0.917	U	0.917	0.917	r
56-23-5	Carbon Tetrachloride(sim)	0.159	U	0.159	0.159	r
75-35-4	1,1-Dichloroethene(sim)	0.252	U	0.252	0.252	r
76-13-1	Trichlorotrifluoroethane(sim)	0.653	U	0.653	0.653	r
156-60-5	Trans-1,2-Dichloroethene(sim)	1.26	U	1.26	1.26	r
75-34-3	1,1-Dichloroethane(sim)	1.24	U	1.24	1.24	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
67-66-3	Chloroform(sim)	1.02	U	1.02	1.02	r
78-87-5	1,2-dichloropropane(sim)	1.08	U	1.08	1.08	r
75-27-4	Bromodichloromethane(sim)	0.747	U	0.747	0.747	r
10061-01-5	cis-1,3-Dichloropropene(sim)	1.10	U	1.10	1.10	r
79-00-5	1,1,2-Trichloroethane(sim)	0.917	U	0.917	0.917	r
124-48-1	Dibromochloromethane(sim)	0.587	U	0.587	0.587	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.651	U	0.651	0.651	r
127-18-4	Tetrachloroethene(sim)	0.765		0.184	0.184	r
75-25-2	Bromoform(sim)	0.484	U	0.484	0.484	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.729	U	0.729	0.729	r
100-44-7	Benzyl chloride(sim)	0.966	U	0.966	0.966	r
541-73-1	1,3-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
106-46-7	1,4-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
135-98-8	sec-Butylbenzene(sim)	0.911	U	0.911	0.911	r
99-87-6	4-Isopropyltoluene(sim)	0.911	U	0.911	0.911	r
95-50-1	1,2-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
104-51-8	n-Butylbenzene(sim)	0.911	U	0.911	0.911	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.674	U	0.674	0.674	r
87-68-3	Hexachlorobutadiene(sim)	0.469	U	0.469	0.469	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_20.D
 Acq On : 1 Feb 2025 2:21 am
 Operator :
 Client ID : SV-H 5X
 Lab ID : CS55367 5X
 ALS Vial : 15 Sample Multiplier: 1

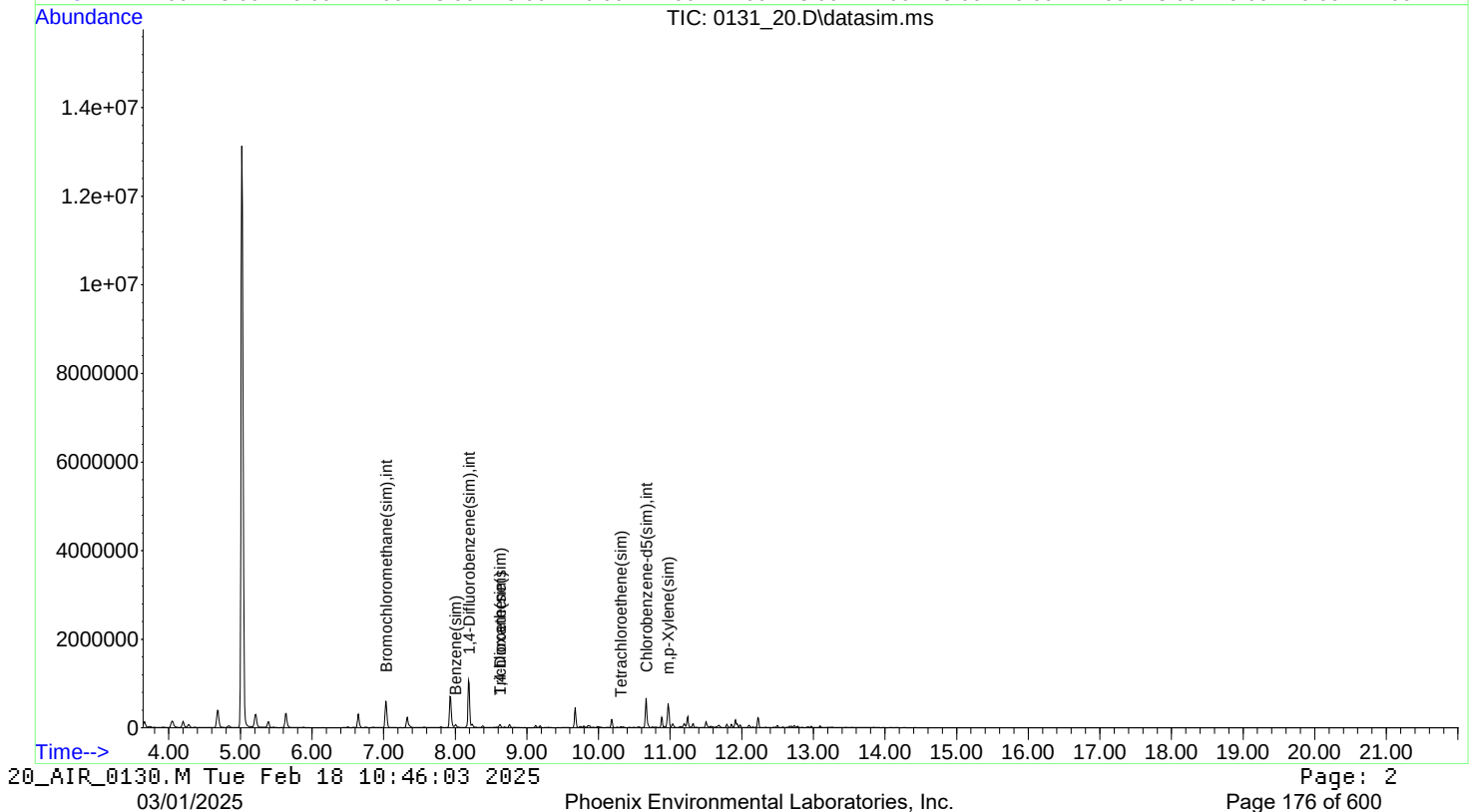
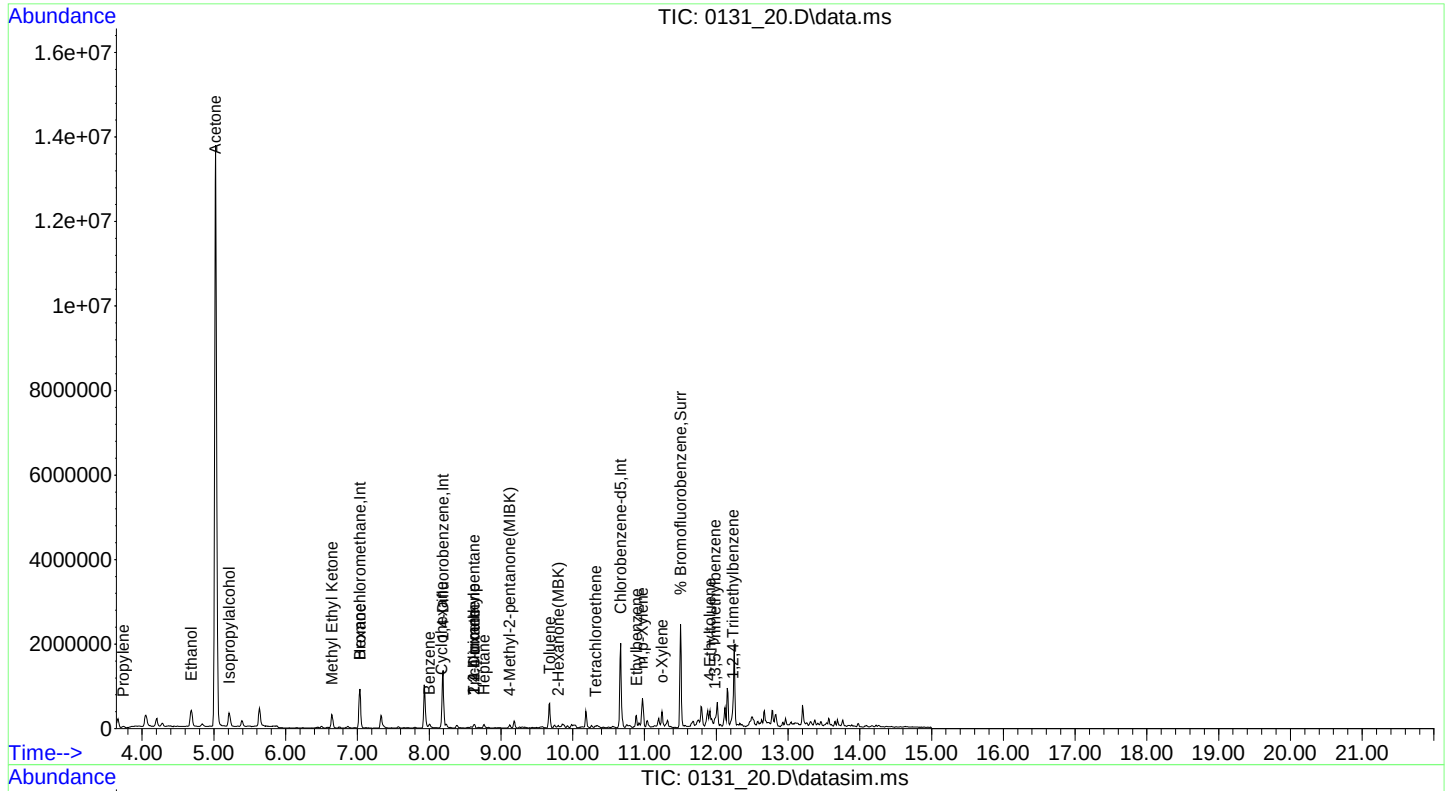
Quant Time: Feb 01 11:33:29 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

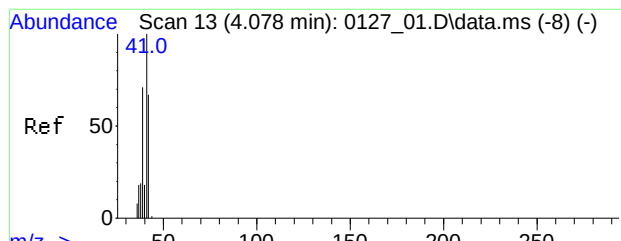
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	308217	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1007597	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	421980	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	347122	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1007597	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	422189	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	505443	10.512	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	105.10%
Target Compounds						
					Qvalue	
2) Propylene	3.735	41	25674	1.033	ppbv#	85
11) Ethanol	4.684	45	488321	28.326	ppbv#	40
12) Acetone	5.017	43	17535316	220.867	ppbv#	82
14) Isopropylalcohol	5.211	45	387394	4.683	ppbv#	93
25) Methyl Ethyl Ketone	6.642	43	396772	6.689	ppbv#	93
27) Hexane	7.034	57	18574	0.484	ppbv	94
33) Benzene	8.002	78	58028	0.769	ppbv	97
35) Cyclohexane	8.175	84	17828	0.574	ppbv	89
39) Trichloroethene	8.624	130	7602	0.155	ppbv	92
40) 2,2,4-trimethylpentane	8.624	57	29386	0.234	ppbv#	83
41) 1,4-Dioxane	8.624	88	13211	0.703	ppbv#	54
43) Heptane	8.763	43	36420	0.677	ppbv#	77
45) 4-Methyl-2-pentanone(M. . .	9.121	43	41424	0.509	ppbv	99
48) Toluene	9.677	91	343127	3.349	ppbv#	97
50) 2-Hexanone(MBK)	9.797	43	32733	0.446	ppbv#	46
52) Tetrachloroethene	10.318	166	9201	0.153	ppbv	96
56) Ethylbenzene	10.887	91	159126	1.420	ppbv	87
57) m, p-Xylene	10.970	91	372276	4.525	ppbv	100
61) o-Xylene	11.243	91	137463	1.506	ppbv#	81
65) 4-Ethyltoluene	11.911	105	170461	1.274	ppbv#	94
66) 1,3,5-Trimethylbenzene	11.979	105	32680	0.310	ppbv#	95
67) 1,2,4-Trimethylbenzene	12.230	105	139999	1.173	ppbv#	87
85] Benzene(sim)	8.002	78	58028	0.689	ppbv	97
96] Trichloroethene(sim)	8.627	130	10530	0.202	ppbv#	83
97] 1,4-Dioxane(sim)	8.624	88	13211	0.744	ppbv#	56
102] Tetrachloroethene(sim)	10.314	166	10532	0.153	ppbv	94
105] m, p-Xylene(sim)	10.970	91	372276	4.113	ppbv#	86

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_20.D
Acq On : 1 Feb 2025 2:21 am
Operator :
Client ID : SV-H 5X
Lab ID : CS55367 5X
ALS Vial : 15 Sample Multiplier: 1

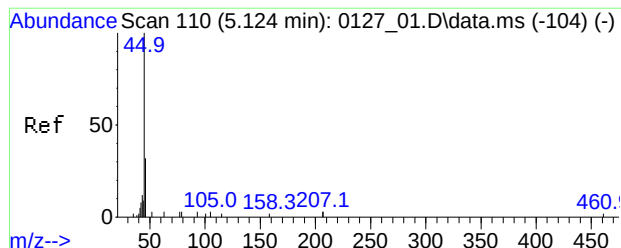
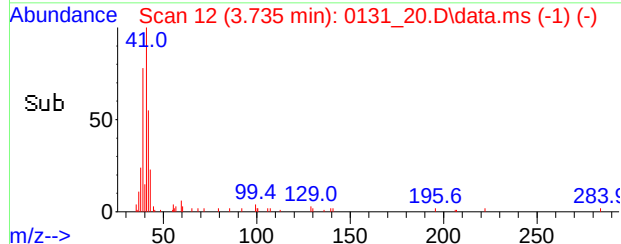
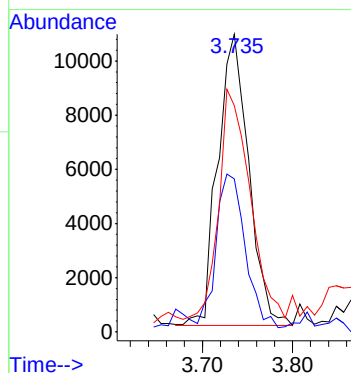
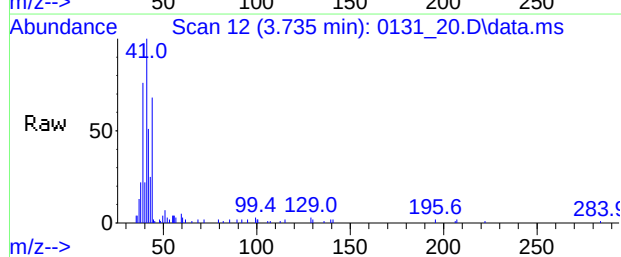
Quant Time: Feb 01 11:33:29 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration





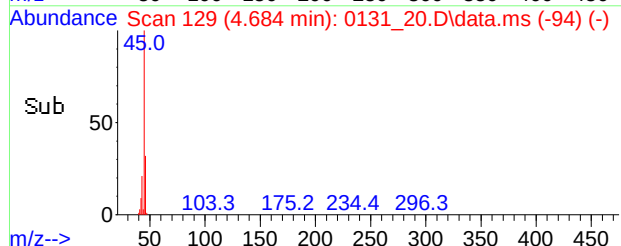
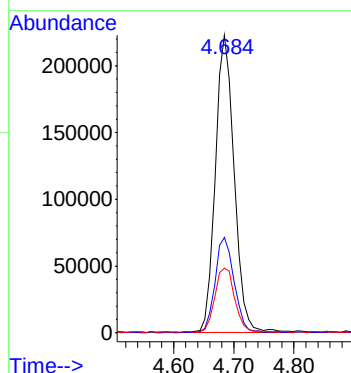
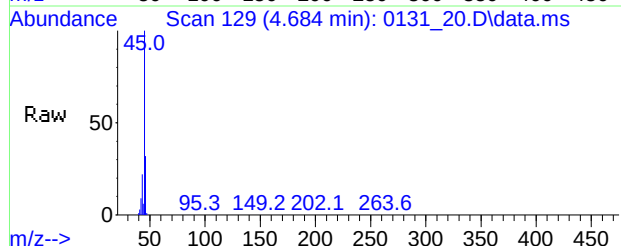
#2
Propylene
Conc: 8\$ 1.033 ppbv
RT: 3.735 min Scan# 12
Delta R.T. 0.000 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

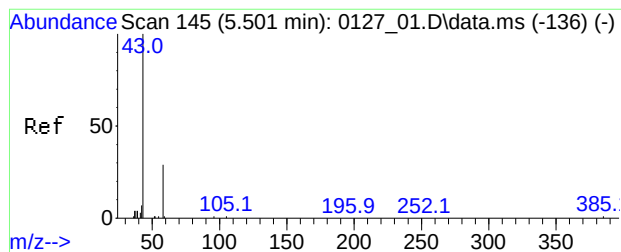
Tgt Ion: 41 Resp: 25674
Ion Ratio Lower Upper
41 100
42 49.7 58.3 87.5#
39 78.9 66.3 99.5



#11
Ethanol
Conc: 8\$ 28.326 ppbv
RT: 4.684 min Scan# 129
Delta R.T. -0.017 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

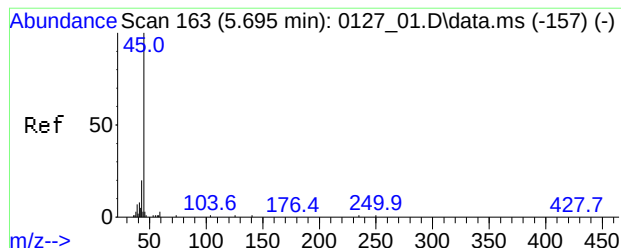
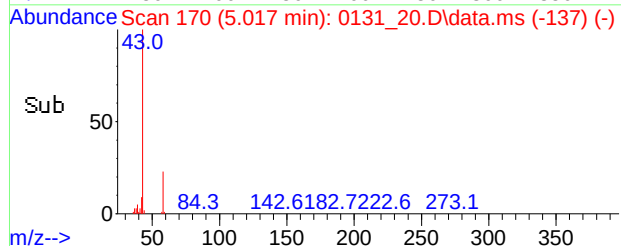
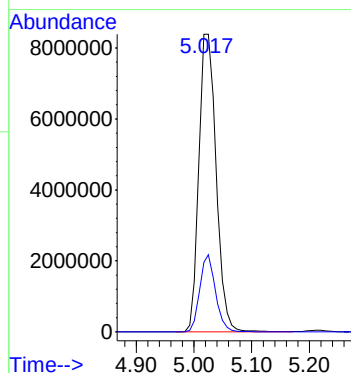
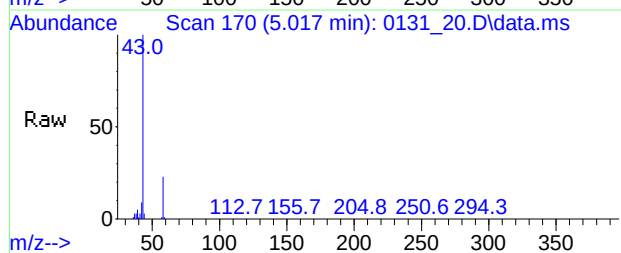
Tgt Ion: 45 Resp: 488321
Ion Ratio Lower Upper
45 100
46 32.6 0.6 0.8#
43 23.6 0.0 0.0#





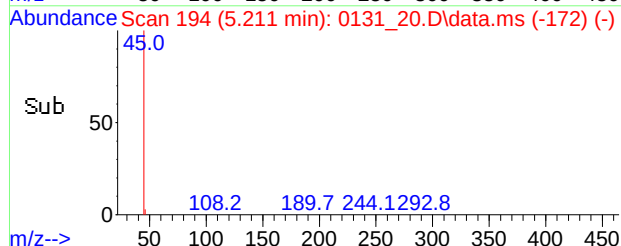
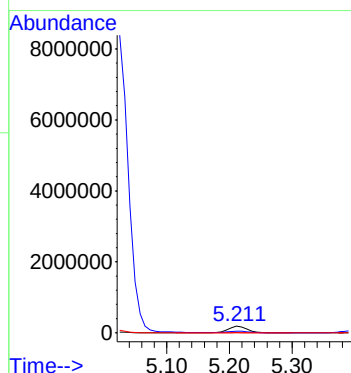
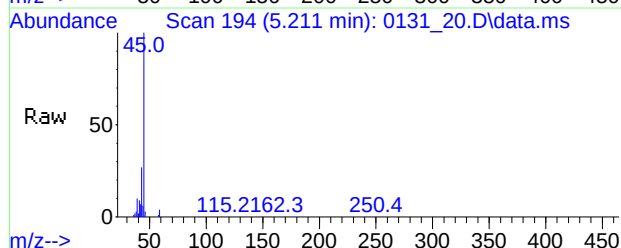
#12
Acetone
Conc: 8\$ 220.867 ppbv
RT: 5.017 min Scan# 170
Delta R.T. -0.032 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

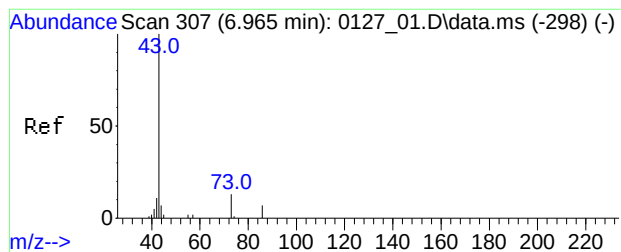
Tgt Ion: 43 Resp: 17535316
Ion Ratio Lower Upper
43 100
58 23.6 0.2 0.2#



#14
Isopropylalcohol
Conc: 8\$ 4.683 ppbv
RT: 5.211 min Scan# 194
Delta R.T. -0.025 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

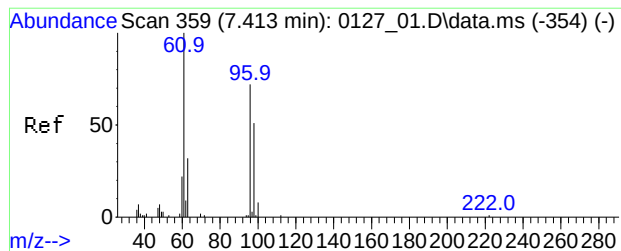
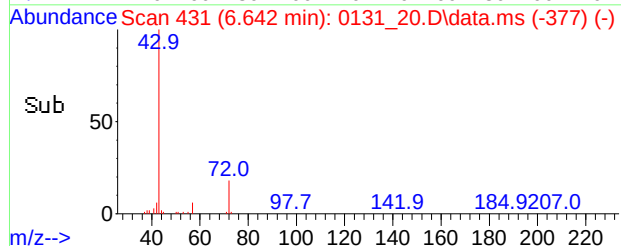
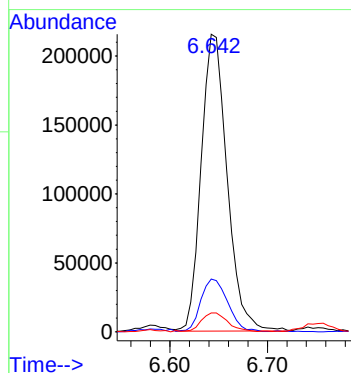
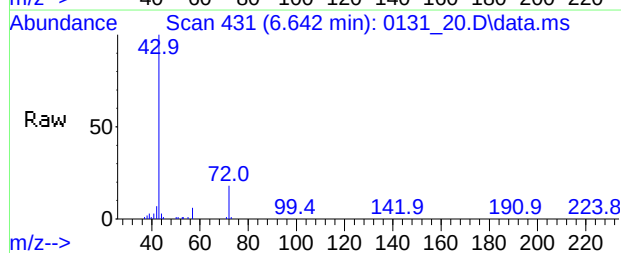
Tgt Ion: 45 Resp: 387394
Ion Ratio Lower Upper
45 100
43 26.1 0.0 0.0#
59 4.1 0.6 1.0#





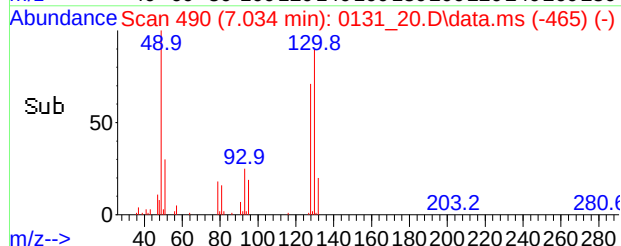
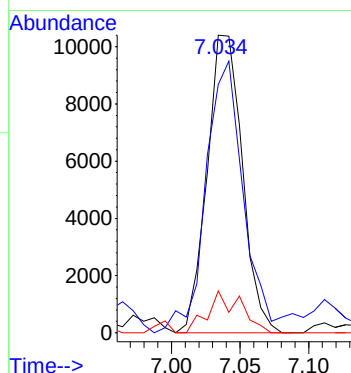
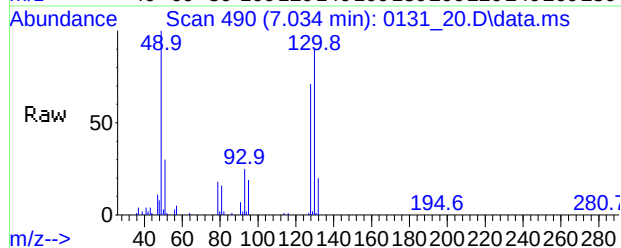
#25
Methyl Ethyl Ketone
Conc: 8\$ 6.689 ppbv
RT: 6.642 min Scan# 431
Delta R.T. -0.021 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

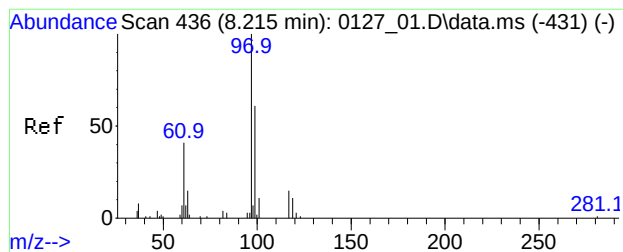
Tgt Ion: 43 Resp: 396772
Ion Ratio Lower Upper
43 100
72 18.6 0.0 0.0#
57 6.8 0.2 0.4#



#27
Hexane
Conc: 8\$ 0.484 ppbv
RT: 7.034 min Scan# 490
Delta R.T. -0.008 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

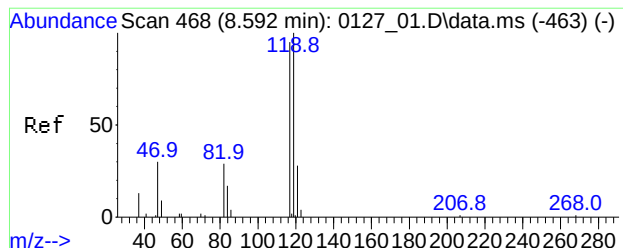
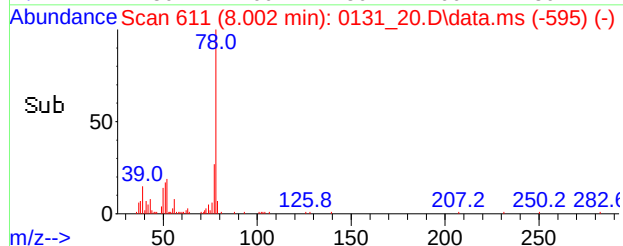
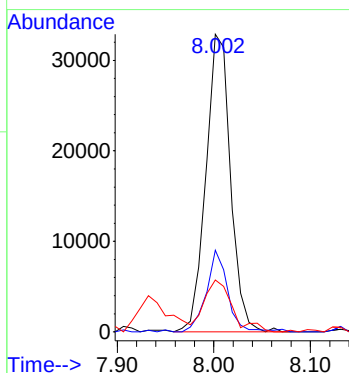
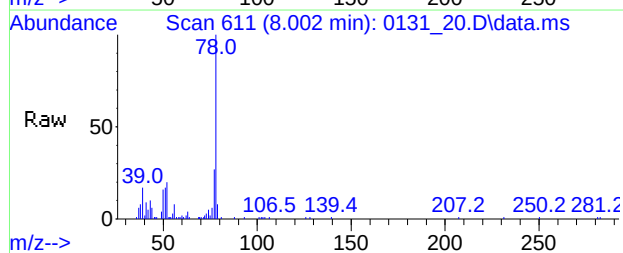
Tgt Ion: 57 Resp: 18574
Ion Ratio Lower Upper
57 100
41 97.6 73.0 109.6
86 13.1 9.8 14.8





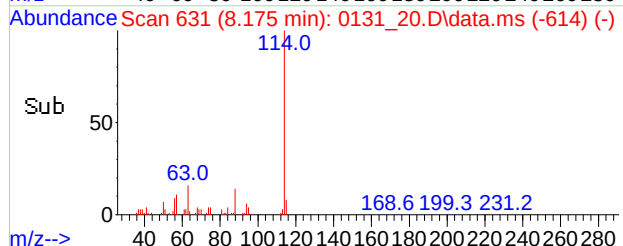
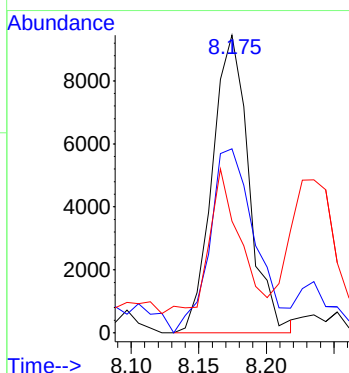
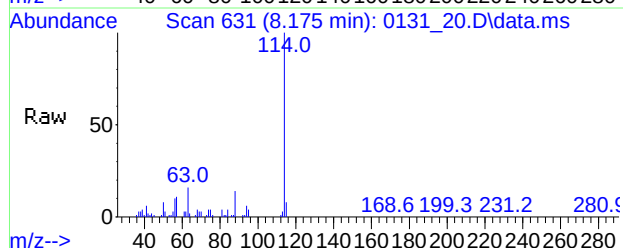
#33
Benzene
Conc: 8\$ 0.769 ppbv
RT: 8.002 min Scan# 611
Delta R.T. -0.000 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

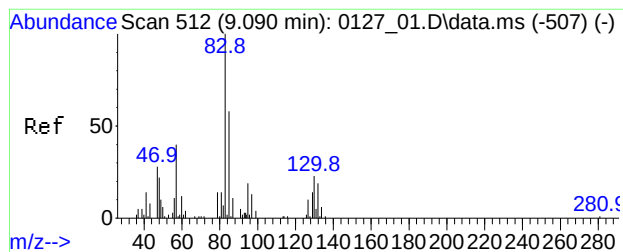
Tgt Ion: 78 Resp: 58028
Ion Ratio Lower Upper
78 100
77 24.0 17.4 26.0
51 19.8 15.8 23.6



#35
Cyclohexane
Conc: 8\$ 0.574 ppbv
RT: 8.175 min Scan# 631
Delta R.T. -0.000 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

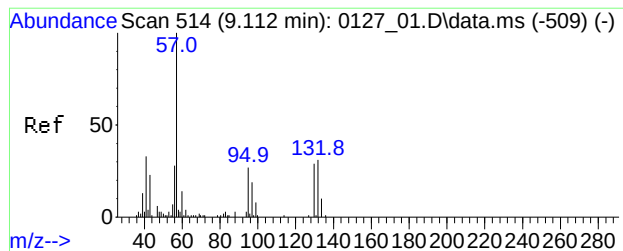
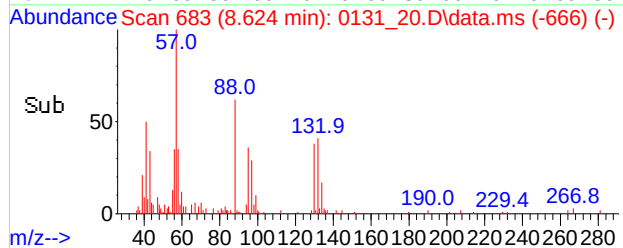
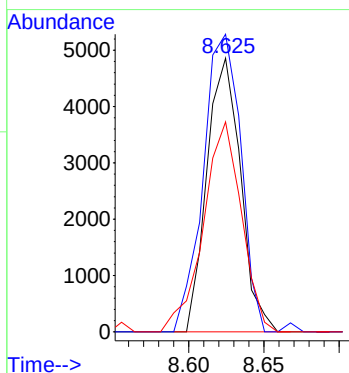
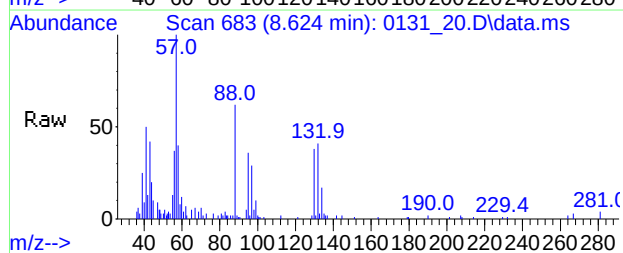
Tgt Ion: 84 Resp: 17828
Ion Ratio Lower Upper
84 100
55 77.7 52.4 78.6
42 35.4 29.8 44.6





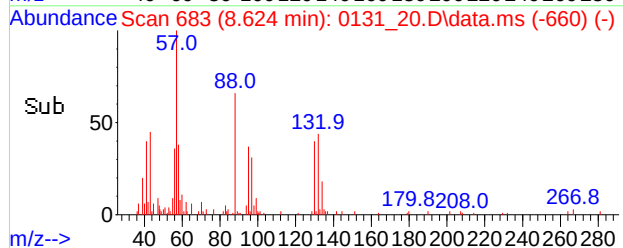
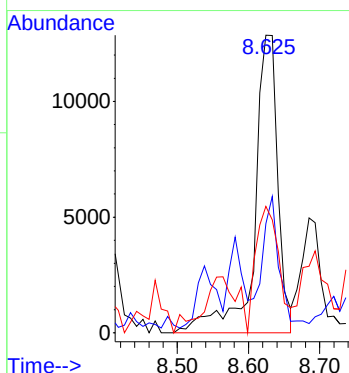
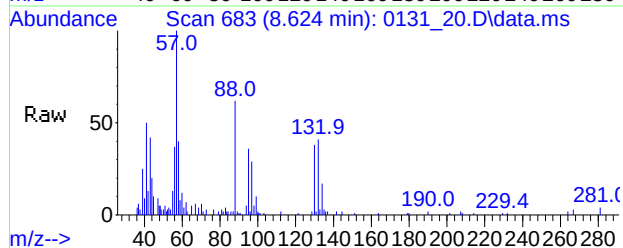
#39
Trichloroethene
Conc: 8\$ 0.155 ppbv
RT: 8.624 min Scan# 683
Delta R.T. -0.001 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

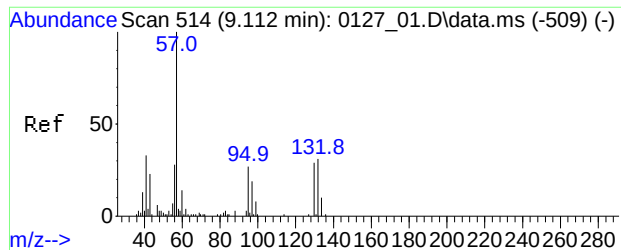
Tgt Ion: 130 Resp: 7602
Ion Ratio Lower Upper
130 100
132 121.2 88.3 132.5
97 86.7 65.9 98.9



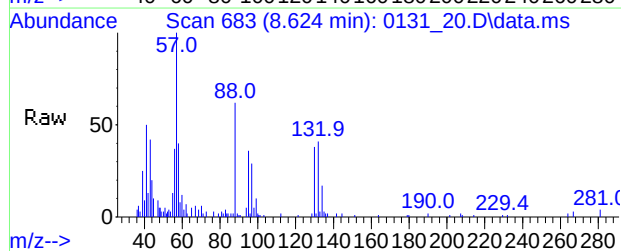
#40
2,2,4-trimethylpentane
Conc: 8\$ 0.234 ppbv
RT: 8.624 min Scan# 683
Delta R.T. -0.001 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

Tgt Ion: 57 Resp: 29386
Ion Ratio Lower Upper
57 100
56 28.9 22.0 33.0
43 42.3 20.4 30.6#

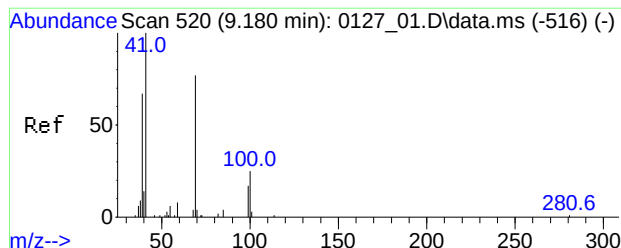
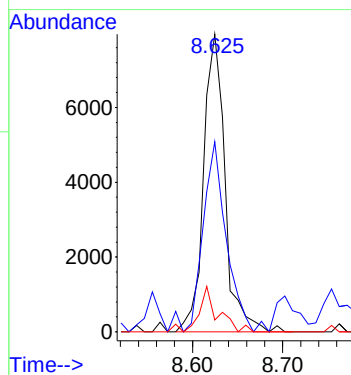
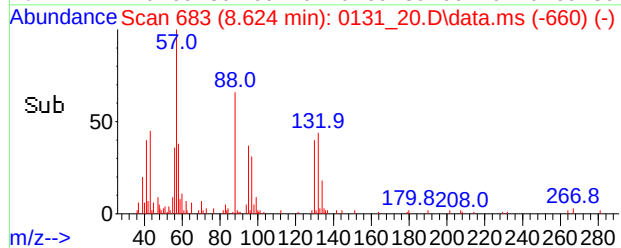




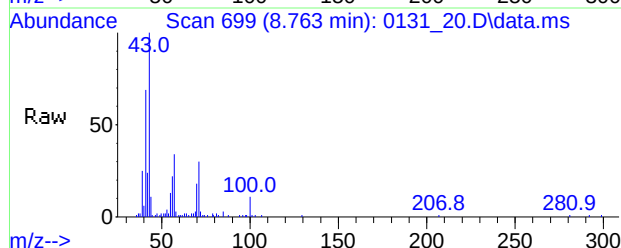
#41
1,4-Dioxane
Conc: 8\$ 0.703 ppbv
RT: 8.624 min Scan# 683
Delta R.T. -0.001 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am



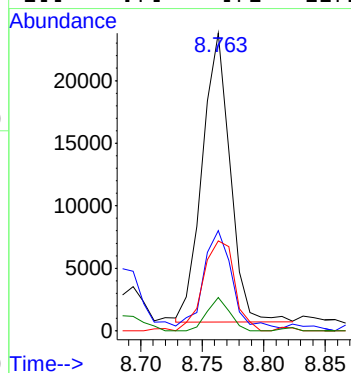
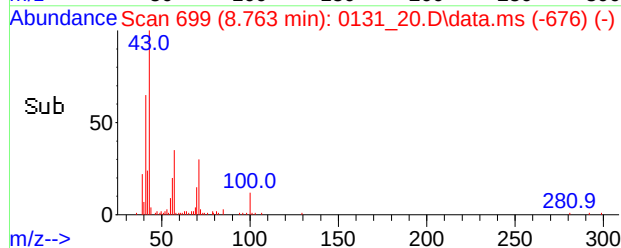
Tgt Ion: 88 Resp: 13211
Ion Ratio Lower Upper
88 100
58 67.8 93.3 139.9#
87 13.4 37.1 55.7#

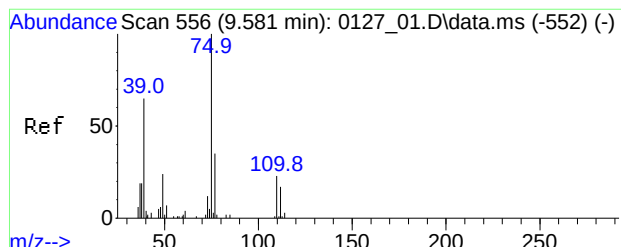


#43
Heptane
Conc: 8\$ 0.677 ppbv
RT: 8.763 min Scan# 699
Delta R.T. -0.000 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am



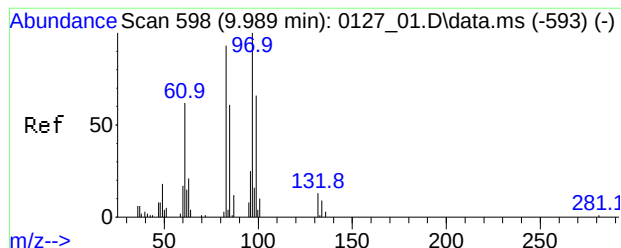
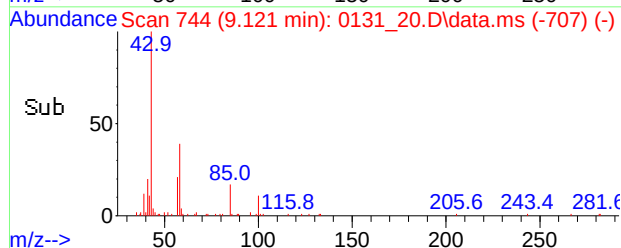
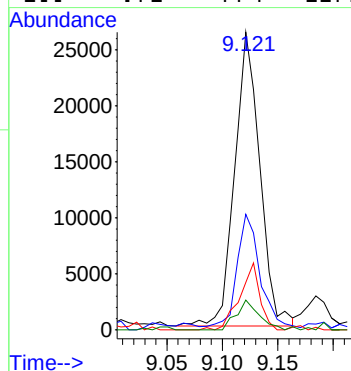
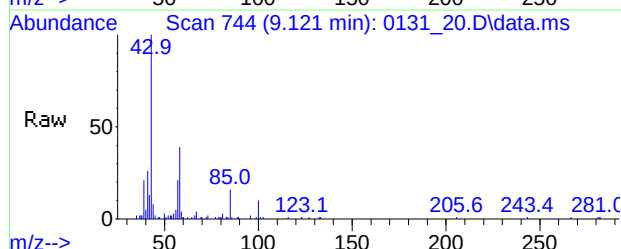
Tgt Ion: 43 Resp: 36420
Ion Ratio Lower Upper
43 100
57 33.6 39.4 59.0#
71 35.5 44.5 66.7#
100 9.3 8.2 12.2





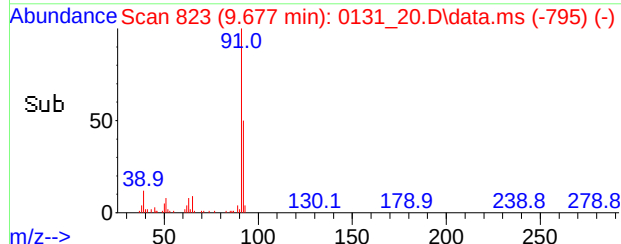
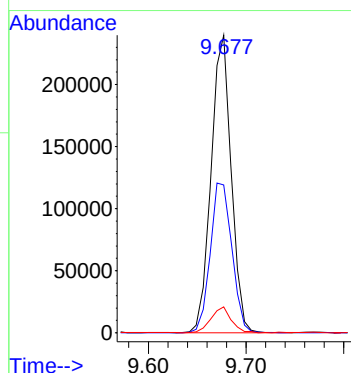
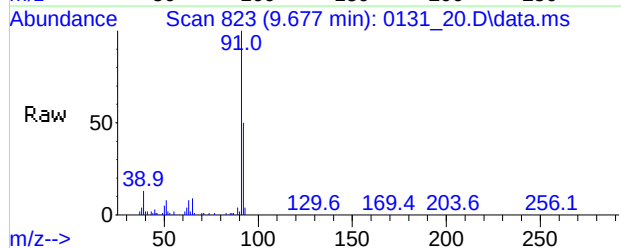
#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 0.509 ppbv
RT: 9.121 min Scan# 744
Delta R.T. -0.007 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

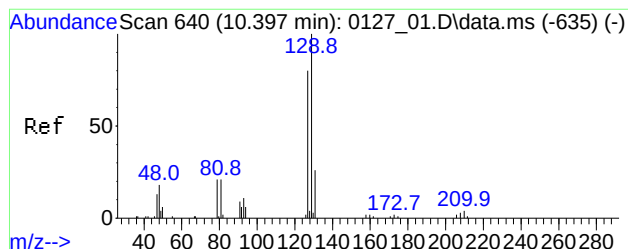
Tgt Ion:	43	Resp:	41424
Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.6	43.0
85	18.1	15.4	23.0
100	9.1	7.4	11.0



#48
Toluene
Conc: 8\$ 3.349 ppbv
RT: 9.677 min Scan# 823
Delta R.T. 0.000 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

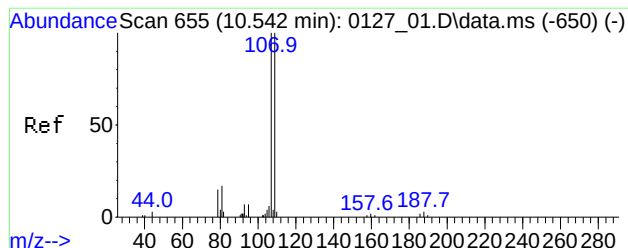
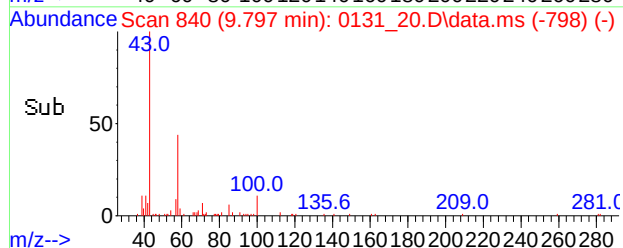
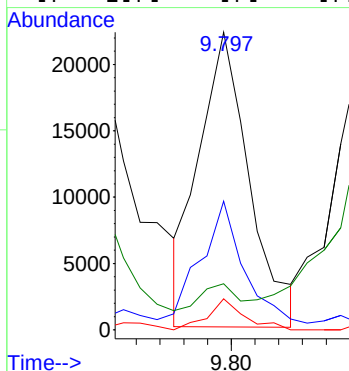
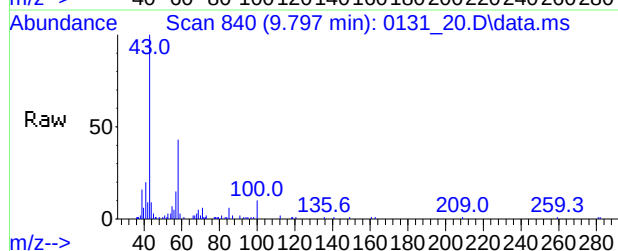
Tgt Ion:	91	Resp:	343127
Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.8	65.8
65	8.8	10.6	16.0#





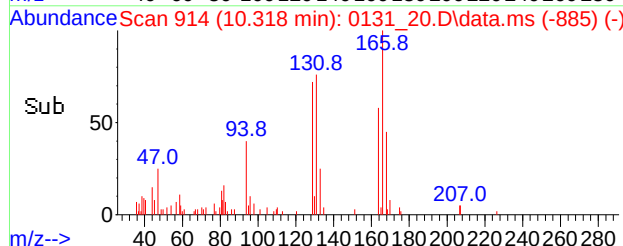
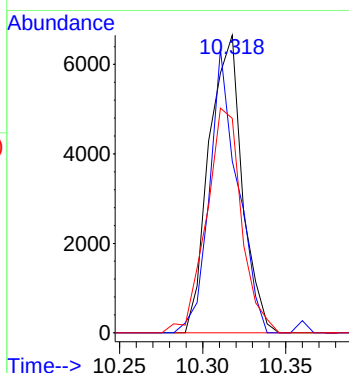
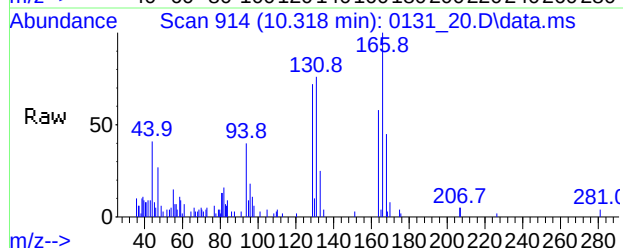
#50
2-Hexanone(MBK)
Conc: 8\$ 0.446 ppbv
RT: 9.797 min Scan# 840
Delta R.T. -0.007 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

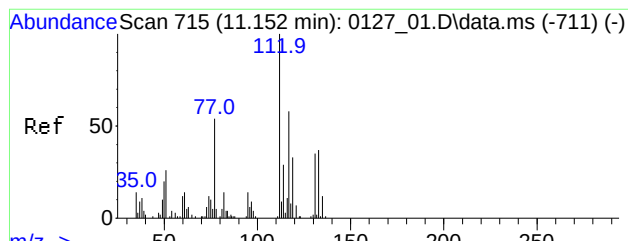
Tgt Ion: 43 Resp: 32733
Ion Ratio Lower Upper
43 100
58 41.2 0.3 0.5#
100 7.6 0.0 0.0#
57 15.5 0.0 0.0#



#52
Tetrachloroethene
Conc: 8\$ 0.153 ppbv
RT: 10.318 min Scan# 914
Delta R.T. 0.007 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

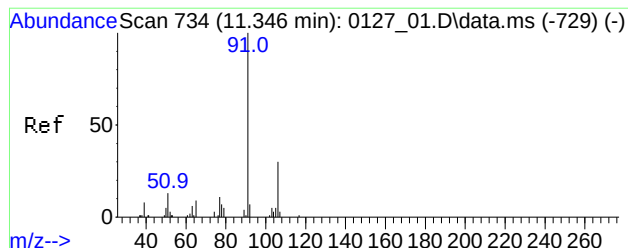
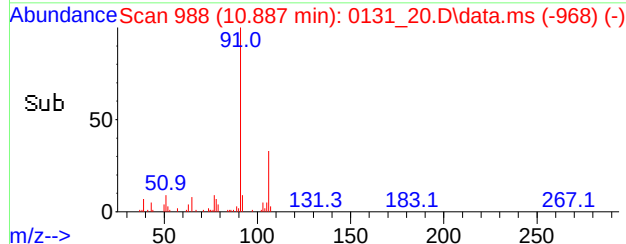
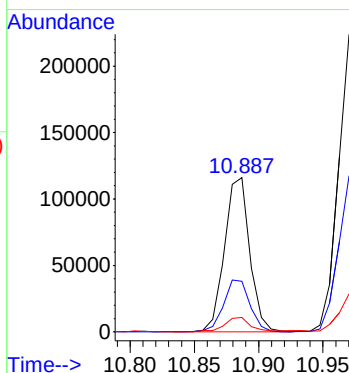
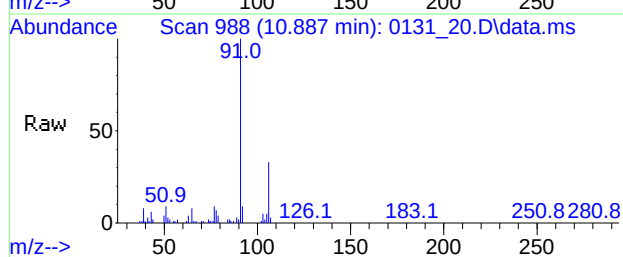
Tgt Ion: 166 Resp: 9201
Ion Ratio Lower Upper
166 100
164 80.5 63.4 95.2
129 79.8 68.4 102.6





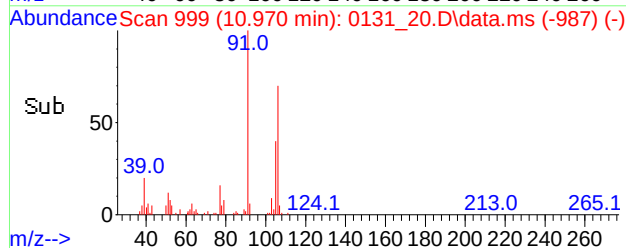
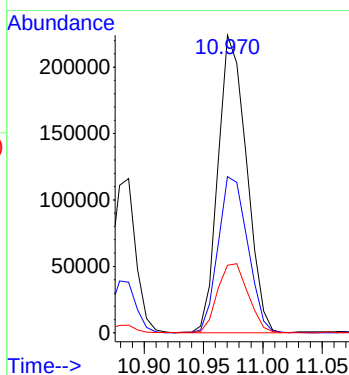
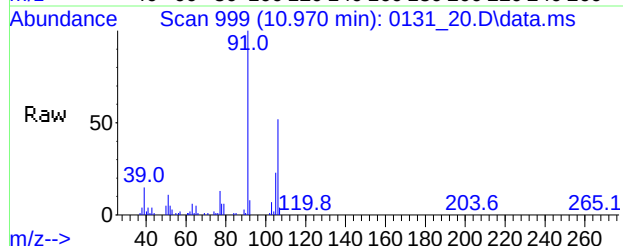
#56
Ethylbenzene
Conc: 8\$ 1.420 ppbv
RT: 10.887 min Scan# 988
Delta R.T. -0.000 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

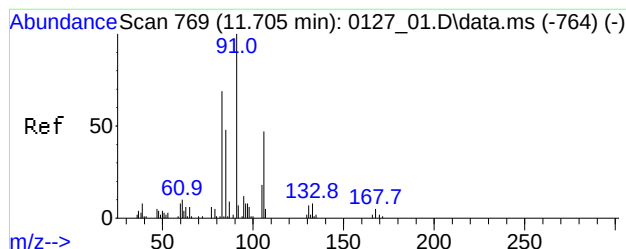
Tgt Ion: 91 Resp: 159126
Ion Ratio Lower Upper
91 100
106 35.2 24.0 64.0
77 9.9 0.0 33.4



#57
m,p-Xylene
Conc: 8\$ 4.525 ppbv
RT: 10.970 min Scan# 999
Delta R.T. -0.008 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

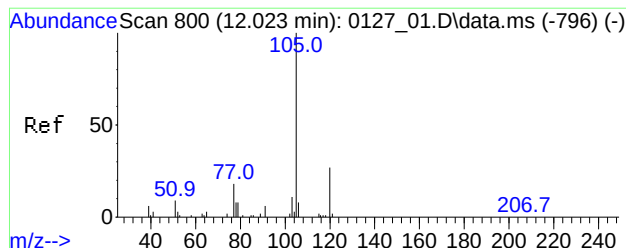
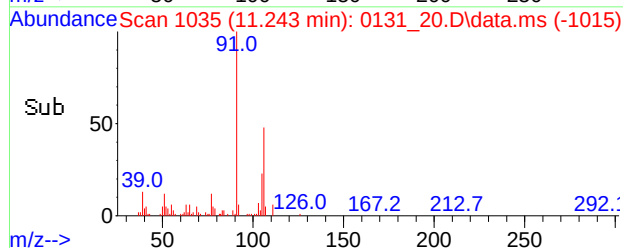
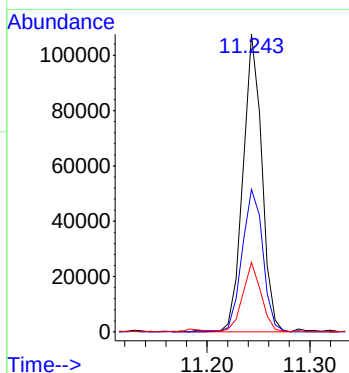
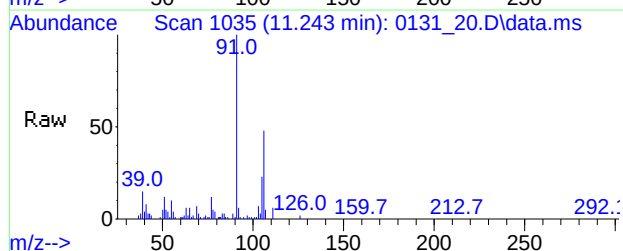
Tgt Ion: 91 Resp: 372276
Ion Ratio Lower Upper
91 100
106 54.6 0.0 0.0#
105 25.1 0.0 0.0#





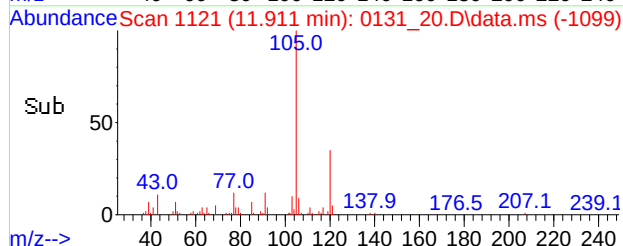
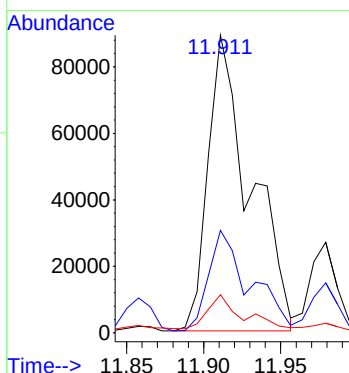
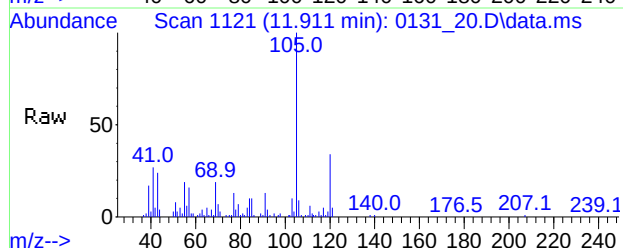
#61
o-Xylene
Conc: 8\$ 1.506 ppbv
RT: 11.243 min Scan# 1035
Delta R.T. 0.000 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

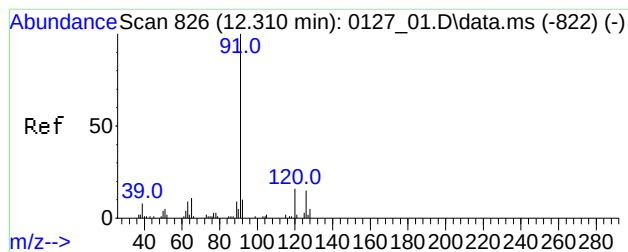
Tgt Ion: 91 Resp: 137463
Ion Ratio Lower Upper
91 100
106 52.5 31.7 47.5#
105 22.9 13.4 20.0#



#65
4-Ethyltoluene
Conc: 8\$ 1.274 ppbv
RT: 11.911 min Scan# 1121
Delta R.T. -0.030 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

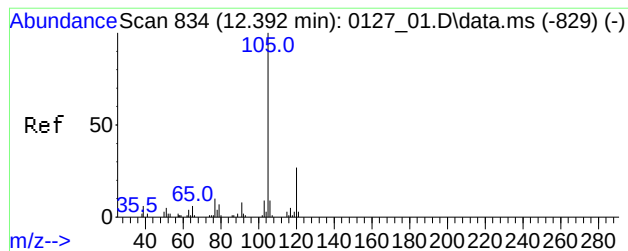
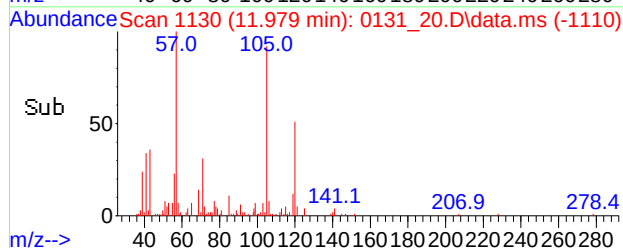
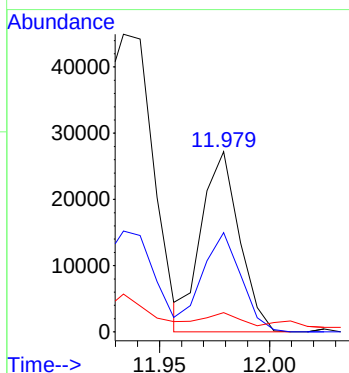
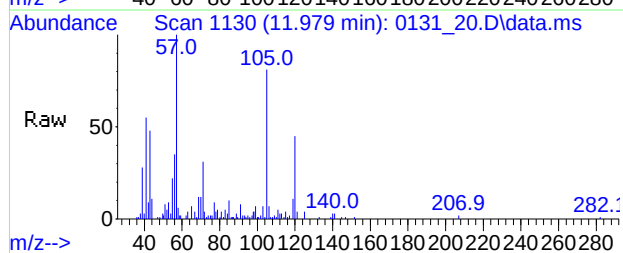
Tgt Ion: 105 Resp: 170461
Ion Ratio Lower Upper
105 100
120 34.5 30.2 45.4
77 10.1 10.5 15.7#





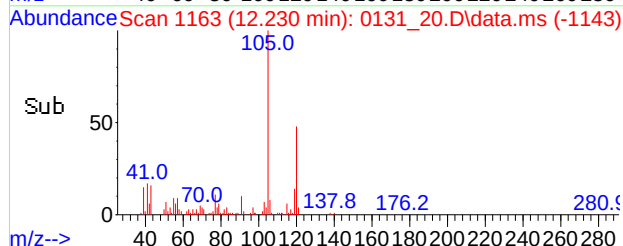
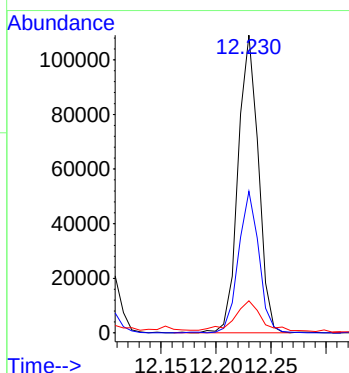
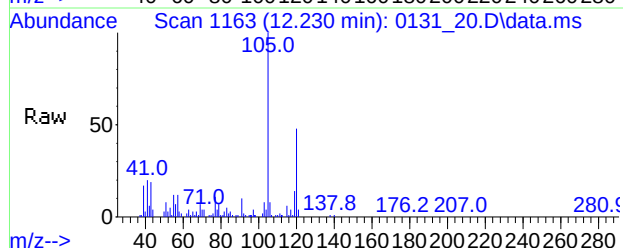
#66
1,3,5-Trimethylbenzene
Conc: 8\$ 0.310 ppbv
RT: 11.979 min Scan# 1130
Delta R.T. 0.000 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

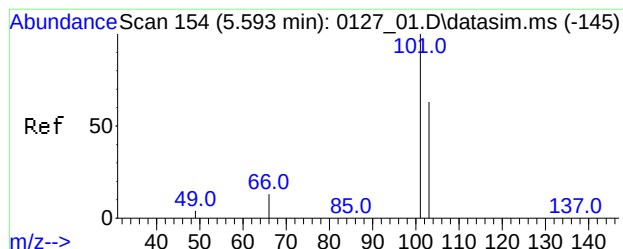
Tgt Ion:105 Resp: 32680
Ion Ratio Lower Upper
105 100
120 56.9 0.0 0.0#
77 6.8 0.2 0.2#



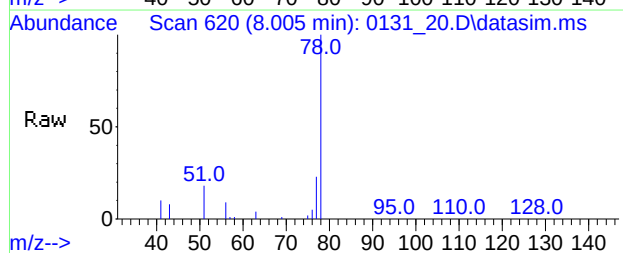
#67
1,2,4-Trimethylbenzene
Conc: 8\$ 1.173 ppbv
RT: 12.230 min Scan# 1163
Delta R.T. -0.000 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

Tgt Ion:105 Resp: 139999
Ion Ratio Lower Upper
105 100
120 47.9 39.4 59.2
77 13.5 23.9 35.9#

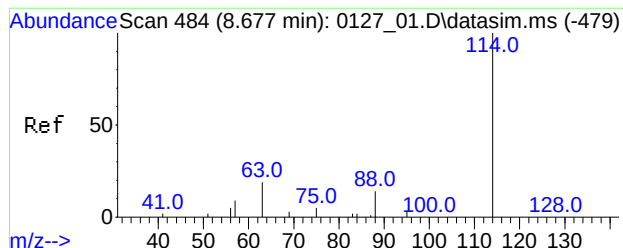
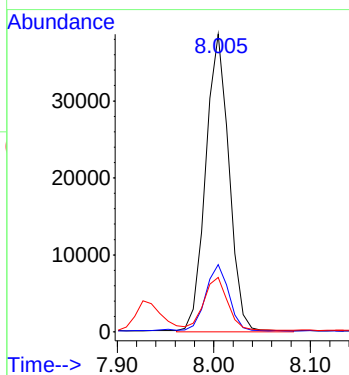
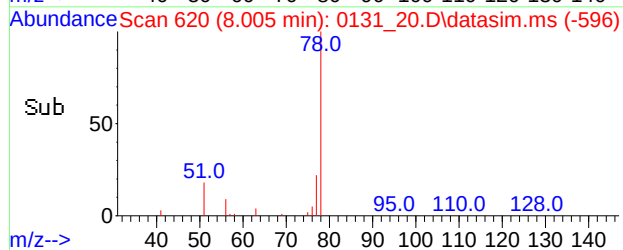




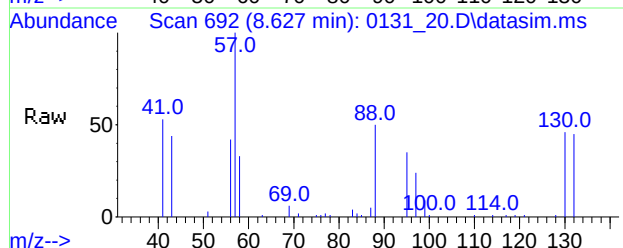
#85
Benzene(sim)
Conc: 8\$ 0.689 ppbv
RT: 8.002 min Scan# 620
Delta R.T. -0.000 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am



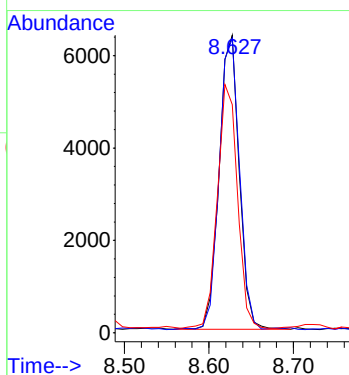
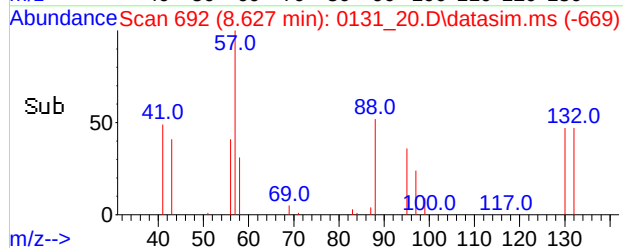
Tgt Ion: 78 Resp: 58028
Ion Ratio Lower Upper
78 100
77 24.0 17.4 26.0
51 19.8 15.8 23.6

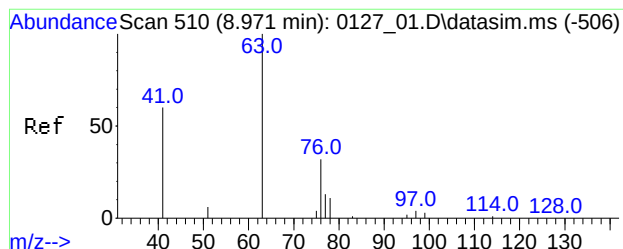


#96
Trichloroethene(sim)
Conc: 8\$ 0.202 ppbv
RT: 8.627 min Scan# 692
Delta R.T. -0.001 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

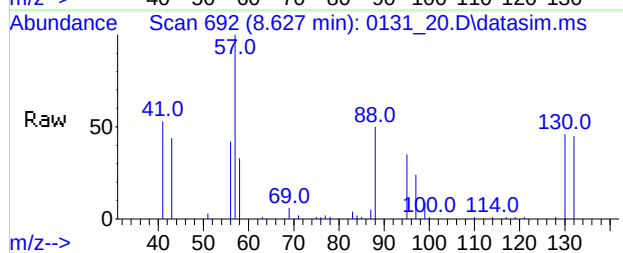


Tgt Ion: 130 Resp: 10530
Ion Ratio Lower Upper
130 100
132 100.3 78.4 117.6
95 83.0 92.6 138.8#

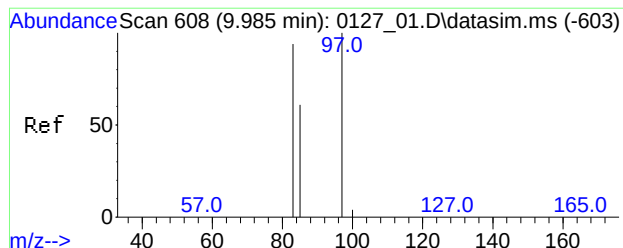
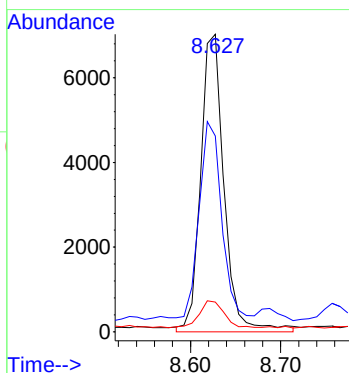
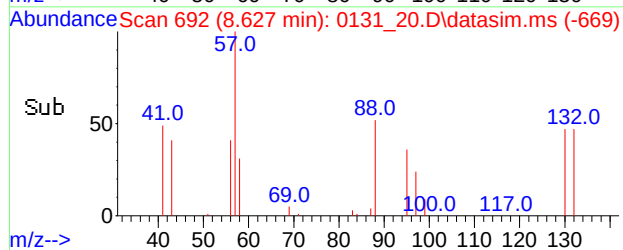




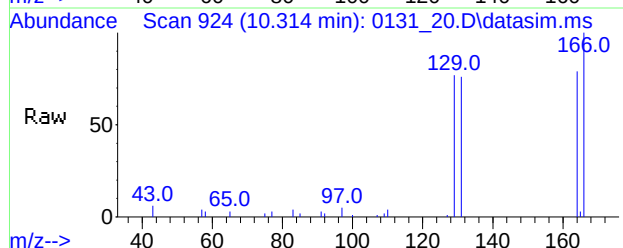
#97
1,4-Dioxane(sim)
Conc: 8\$ 0.744 ppbv
RT: 8.624 min Scan# 692
Delta R.T. -0.001 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am



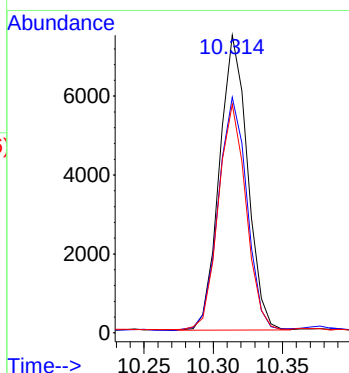
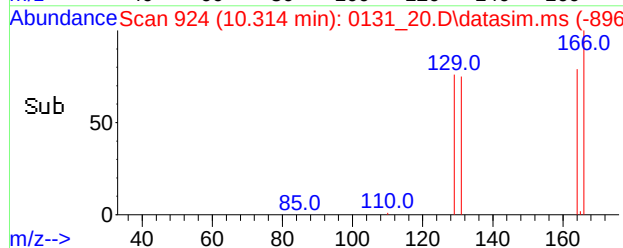
Tgt Ion: 88 Resp: 13211
Ion Ratio Lower Upper
88 100
58 71.0 93.3 139.9#
87 13.4 37.1 55.7#

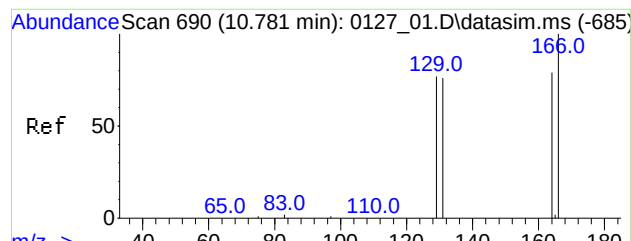


#102
Tetrachloroethene(sim)
Conc: 8\$ 0.153 ppbv
RT: 10.314 min Scan# 924
Delta R.T. -0.000 min
Lab File: 0131_20.D
Acq: 1 Feb 2025 2:21 am

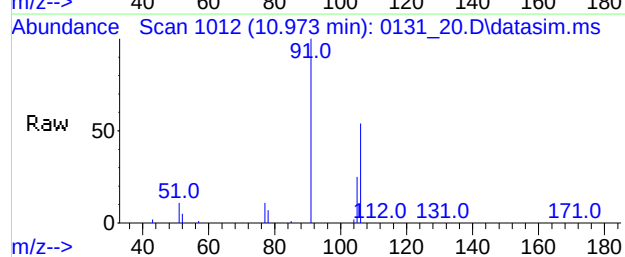


Tgt Ion: 166 Resp: 10532
Ion Ratio Lower Upper
166 100
164 81.6 54.6 94.6
129 75.2 52.2 92.2

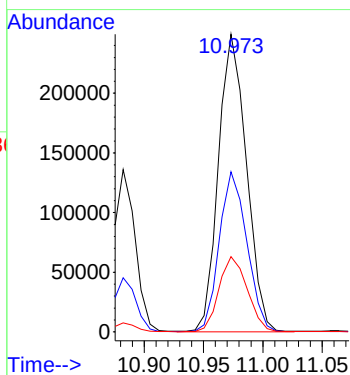
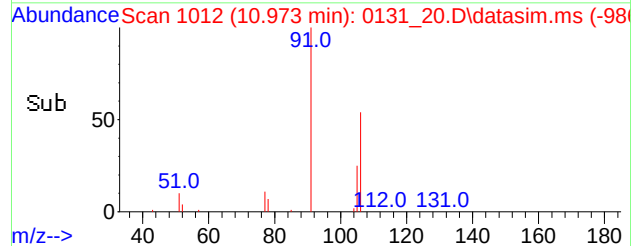




#105
 m,p-Xylene(sim)
 Conc: 8\$ 4.113 ppbv
 RT: 10.970 min Scan# 1012
 Delta R.T. -0.008 min
 Lab File: 0131_20.D
 Acq: 1 Feb 2025 2:21 am



Tgt Ion: 91 Resp: 372276
 Ion Ratio Lower Upper
 91 100
 106 54.6 39.6 48.4#
 105 25.1 16.6 24.8#



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55368 5X</u>
Canister:	<u>8230</u>	Lab File ID:	<u>0131_21.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>02/01/25</u>
		Dilution Factor:	<u>5</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	4.34		2.91	2.91	r
75-71-8	Dichlorodifluoromethane	1.01	U	1.01	1.01	r
74-87-3	Chloromethane	2.42	U	2.42	2.42	r
106-99-0	1,3-Butadiene	2.26	U	2.26	2.26	r
75-00-3	Chloroethane	1.90	U	1.90	1.90	r
64-17-5	Ethanol	72.8	S	2.66	2.66	r
67-64-1	Acetone	815	ES	2.11	2.11	r
67-63-0	Isopropylalcohol	9.63	S	2.04	2.04	r
107-13-1	Acrylonitrile	2.31	U	2.31	2.31	r
75-09-2	Methylene Chloride	4.32	U	4.32	4.32	r
75-15-0	Carbon Disulfide	10.5		1.61	1.61	r
1634-04-4	Methyl tert-butyl ether(MTBE)	1.39	U	1.39	1.39	r
78-93-3	Methyl Ethyl Ketone	30.5		1.70	1.70	r
110-54-3	Hexane	2.27	S	1.42	1.42	r
141-78-6	Ethyl acetate	1.39	U	1.39	1.39	r
109-99-9	Tetrahydrofuran	10.6		1.70	1.70	r
71-43-2	Benzene	11.8		1.57	1.57	r
110-82-7	Cyclohexane	1.45	U	1.45	1.45	r
540-84-1	2,2,4-trimethylpentane	1.56		1.07	1.07	r
123-91-1	1,4-Dioxane	1.39	U	1.39	1.39	r
142-82-5	Heptane	3.83		1.22	1.22	r
108-10-1	4-Methyl-2-pentanone(MIBK)	1.95		1.22	1.22	r
10061-02-6	trans-1,3-Dichloropropene	1.10	U	1.10	1.10	r
108-88-3	Toluene	13.3		1.33	1.33	r
591-78-6	2-Hexanone(MBK)	1.56		1.22	1.22	r
630-20-6	1,1,1,2-Tetrachloroethane	0.729	U	0.729	0.729	r
108-90-7	Chlorobenzene	1.09	U	1.09	1.09	r
100-41-4	Ethylbenzene	5.33		1.15	1.15	r
179601-23-1	m,p-Xylene	14.0		1.15	1.15	r
100-42-5	Styrene	1.21		1.17	1.17	r
95-47-6	o-Xylene	4.79		1.15	1.15	r
98-82-8	Isopropylbenzene	1.02	U	1.02	1.02	r
622-96-8	4-Ethyltoluene	4.04		1.02	1.02	r
108-67-8	1,3,5-Trimethylbenzene	1.11		1.02	1.02	r
95-63-6	1,2,4-Trimethylbenzene	3.84		1.02	1.02	r
91-20-3	Naphthalene	1.00	U	1.00	1.00	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	SV-F 5X
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55368 5X</u>	
Canister:	<u>8230</u>	Lab File ID:	<u>0131_21.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u>	(cc)	Date Analyzed:	<u>02/01/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>5</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.716	U	0.716	0.716	r
75-01-4	Vinyl Chloride(sim)	0.390	U	0.390	0.390	r
74-83-9	Bromomethane(sim)	1.29	U	1.29	1.29	r
75-69-4	Trichlorofluoromethane(sim)	0.891	U	0.891	0.891	r
107-06-2	1,2-Dichloroethane(sim)	1.24	U	1.24	1.24	r
71-55-6	1,1,1-Trichloroethane(sim)	0.917	U	0.917	0.917	r
56-23-5	Carbon Tetrachloride(sim)	0.159	U	0.159	0.159	r
75-35-4	1,1-Dichloroethene(sim)	0.252	U	0.252	0.252	r
76-13-1	Trichlorotrifluoroethane(sim)	0.653	U	0.653	0.653	r
156-60-5	Trans-1,2-Dichloroethene(sim)	1.26	U	1.26	1.26	r
75-34-3	1,1-Dichloroethane(sim)	1.24	U	1.24	1.24	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
67-66-3	Chloroform(sim)	1.02	U	1.02	1.02	r
78-87-5	1,2-dichloropropane(sim)	1.08	U	1.08	1.08	r
75-27-4	Bromodichloromethane(sim)	0.747	U	0.747	0.747	r
79-01-6	Trichloroethene(sim)	0.230		0.185	0.185	r
10061-01-5	cis-1,3-Dichloropropene(sim)	1.10	U	1.10	1.10	r
79-00-5	1,1,2-Trichloroethane(sim)	0.917	U	0.917	0.917	r
124-48-1	Dibromochloromethane(sim)	0.587	U	0.587	0.587	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.651	U	0.651	0.651	r
127-18-4	Tetrachloroethene(sim)	0.340		0.184	0.184	r
75-25-2	Bromoform(sim)	0.484	U	0.484	0.484	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.729	U	0.729	0.729	r
100-44-7	Benzyl chloride(sim)	0.966	U	0.966	0.966	r
541-73-1	1,3-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
106-46-7	1,4-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
135-98-8	sec-Butylbenzene(sim)	0.911	U	0.911	0.911	r
99-87-6	4-Isopropyltoluene(sim)	0.911	U	0.911	0.911	r
95-50-1	1,2-Dichlorobenzene(sim)	0.832	U	0.832	0.832	r
104-51-8	n-Butylbenzene(sim)	0.911	U	0.911	0.911	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.674	U	0.674	0.674	r
87-68-3	Hexachlorobutadiene(sim)	0.469	U	0.469	0.469	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_21.D
 Acq On : 1 Feb 2025 2:52 am
 Operator :
 Client ID : SV-F 5X
 Lab ID : CS55368 5X
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 01 11:34:12 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

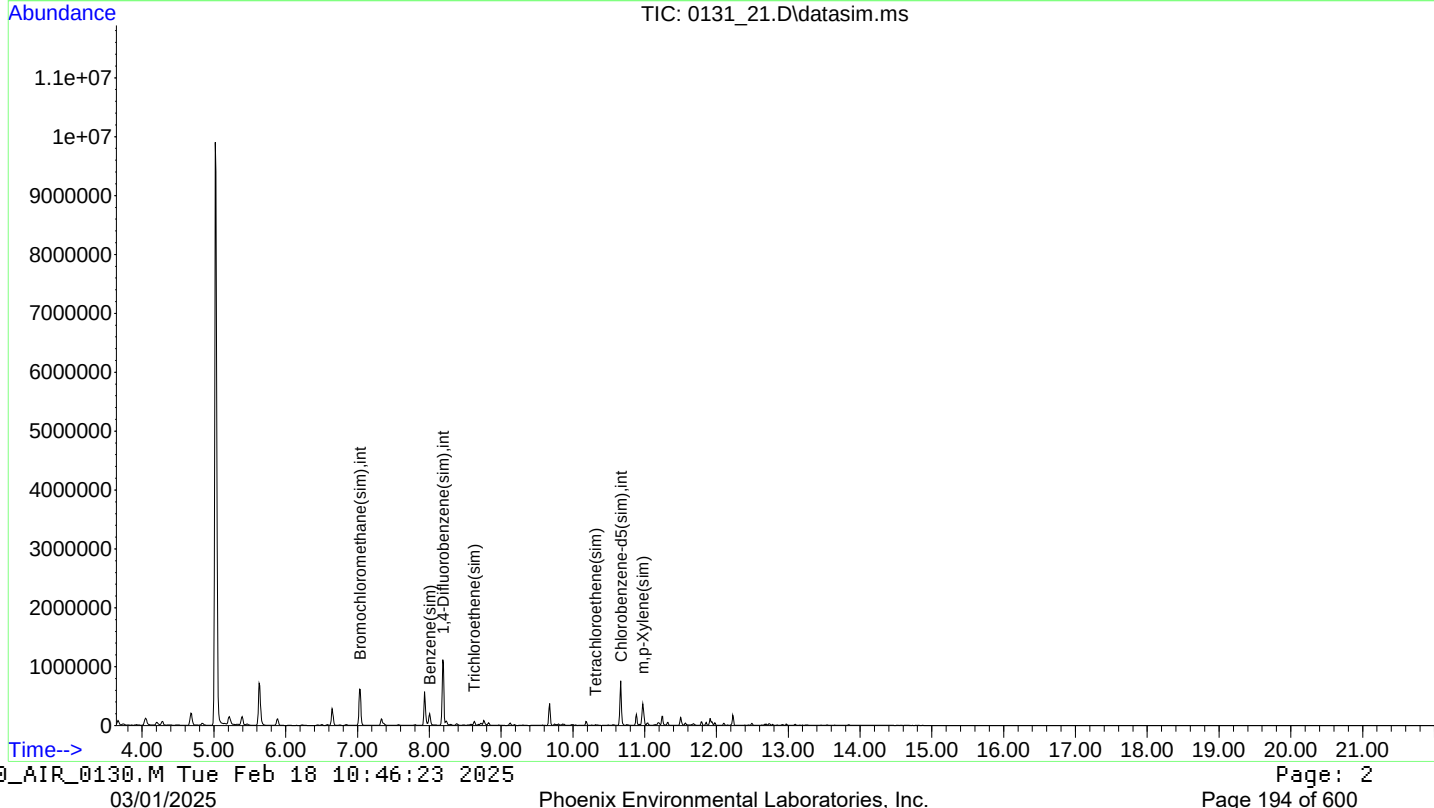
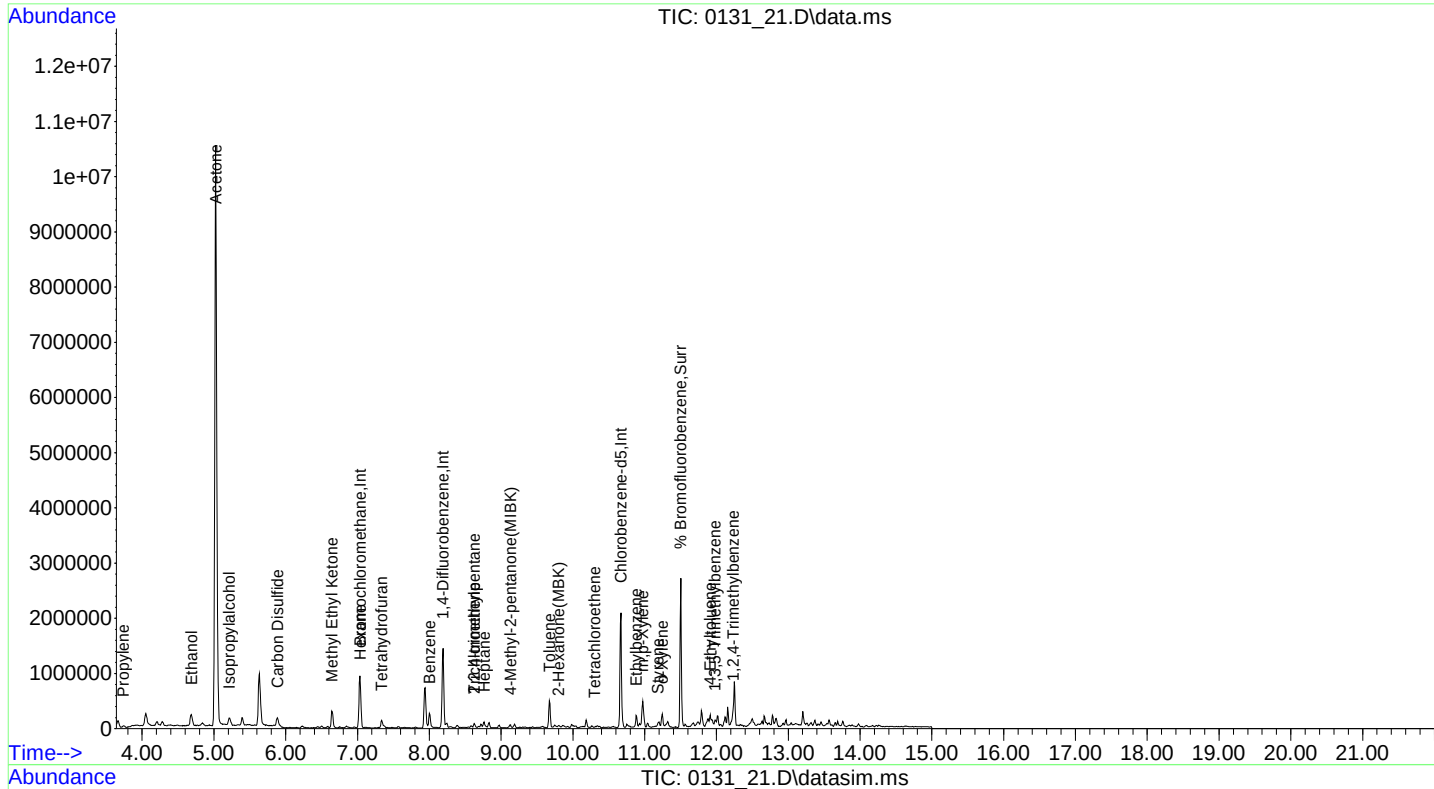
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	319635	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1063526	10.000	ng	0.00
53) Chlorobenzene-d5	10.669	82	451541	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	361567	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1063526	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.669	82	451843	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.503	95	552408	10.736	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	107.40%
Target Compounds						
					Qvalue	
2) Propylene	3.735	41	22345	0.867	ppbv	91
11) Ethanol	4.684	45	260452	14.568	ppbv#	41
12) Acetone	5.025	43	13420152	162.996	ppbv#	82
14) Isopropylalcohol	5.212	45	165224	1.926	ppbv#	91
20) Carbon Disulfide	5.884	76	178150	2.090	ppbv	99
25) Methyl Ethyl Ketone	6.643	43	374987	6.096	ppbv#	93
27) Hexane	7.042	57	18046	0.454	ppbv#	91
30) Tetrahydrofuran	7.336	42	68495	2.112	ppbv#	55
33) Benzene	8.002	78	184628	2.360	ppbv	97
39) Trichloroethene	8.625	130	3139	0.061	ppbv#	82
40) 2,2,4-trimethylpentane	8.625	57	41304	0.312	ppbv	93
43) Heptane	8.763	43	43469	0.765	ppbv#	79
45) 4-Methyl-2-pentanone(M. . .	9.130	43	33500	0.390	ppbv#	95
48) Toluene	9.672	91	288436	2.667	ppbv#	95
50) 2-Hexanone(MBK)	9.799	43	24162	0.312	ppbv#	39
52) Tetrachloroethene	10.305	166	4358	0.069	ppbv	96
56) Ethylbenzene	10.881	91	127699	1.065	ppbv	86
57) m,p-Xylene	10.972	91	246786	2.803	ppbv	100
59) Styrene	11.184	104	17868	0.242	ppbv#	64
61) o-Xylene	11.245	91	93526	0.957	ppbv#	85
65) 4-Ethyltoluene	11.913	105	115642	0.808	ppbv#	93
66) 1,3,5-Trimethylbenzene	11.981	105	24899	0.221	ppbv#	93
67) 1,2,4-Trimethylbenzene	12.232	105	98138	0.768	ppbv#	86
85] Benzene(sim)	8.002	78	184628	2.106	ppbv	97
96] Trichloroethene(sim)	8.628	130	2518	0.046	ppbv#	86
102] Tetrachloroethene(sim)	10.315	166	4950	0.068	ppbv	96
105] m,p-Xylene(sim)	10.972	91	248435	2.565	ppbv#	85

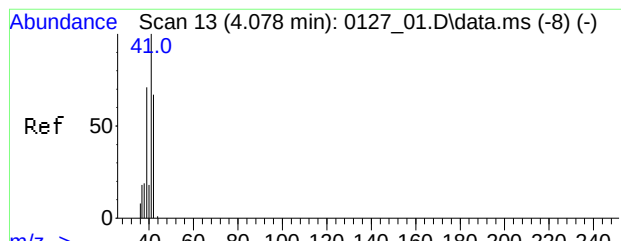
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

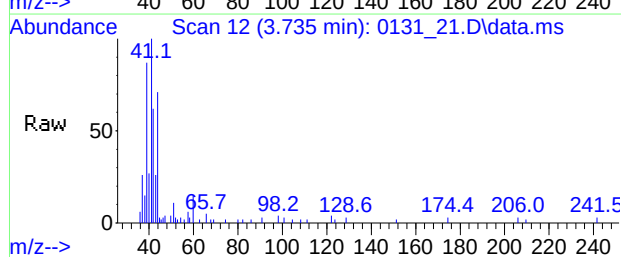
Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_21.D
Acq On : 1 Feb 2025 2:52 am
Operator :
Client ID : SV-F 5X
Lab ID : CS55368 5X
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 01 11:34:12 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration

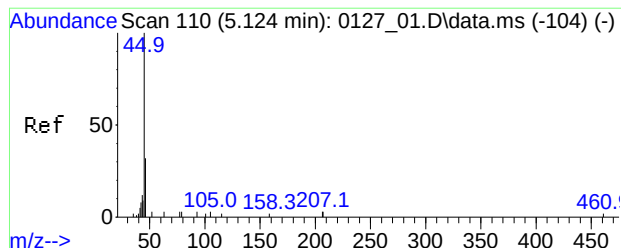
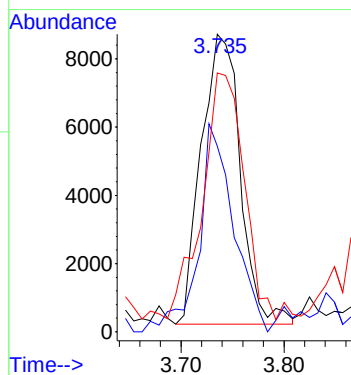
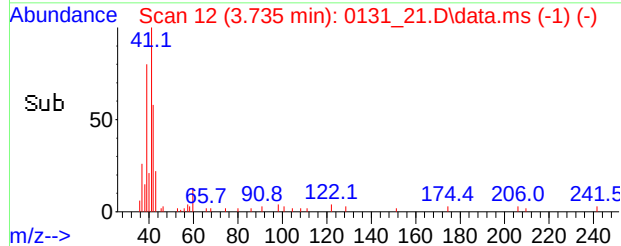




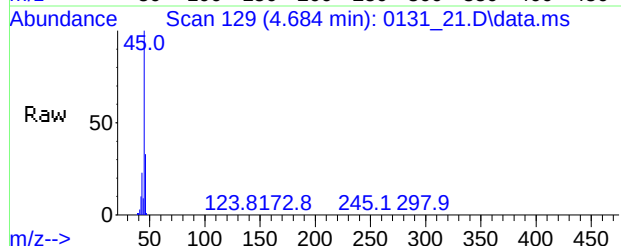
#2
Propylene
Conc: 8\$ 0.867 ppbv
RT: 3.735 min Scan# 12
Delta R.T. 0.000 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am



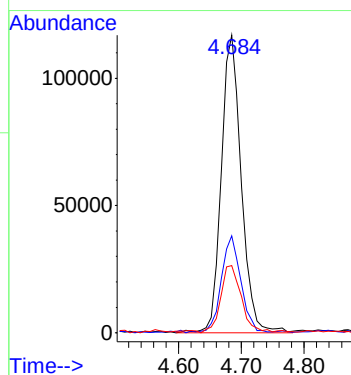
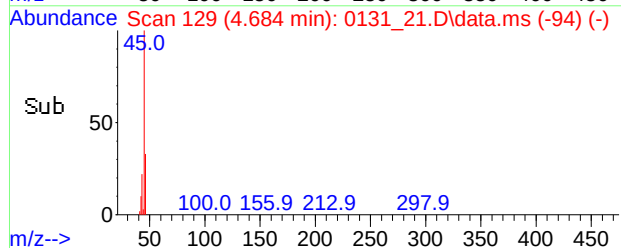
Tgt Ion: 41 Resp: 22345
Ion Ratio Lower Upper
41 100
42 64.0 58.3 87.5
39 89.9 66.3 99.5

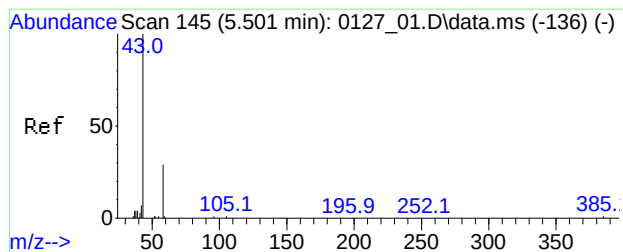


#11
Ethanol
Conc: 8\$ 14.568 ppbv
RT: 4.684 min Scan# 129
Delta R.T. -0.017 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am



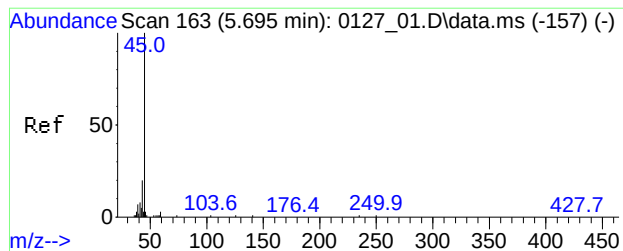
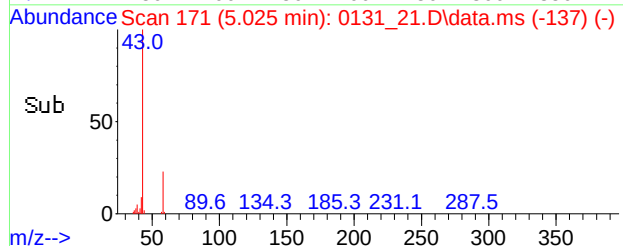
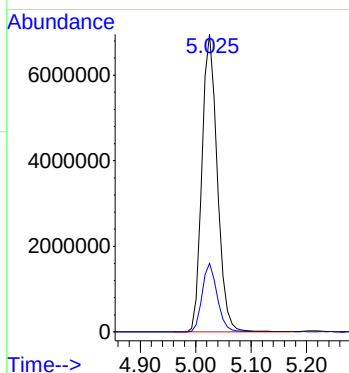
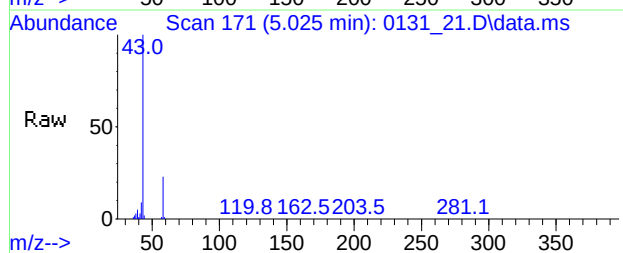
Tgt Ion: 45 Resp: 260452
Ion Ratio Lower Upper
45 100
46 32.1 0.6 0.8#
43 23.4 0.0 0.0#





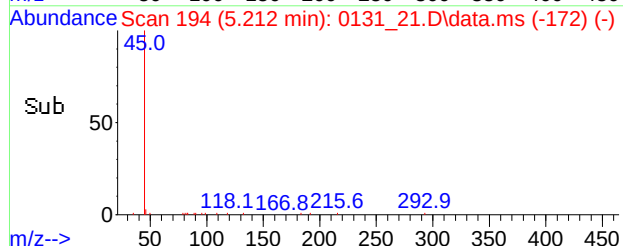
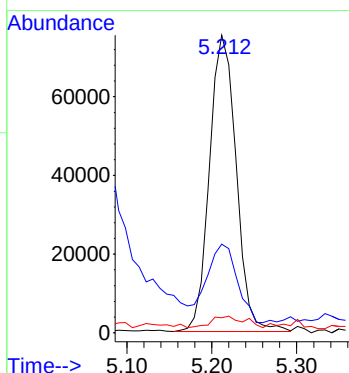
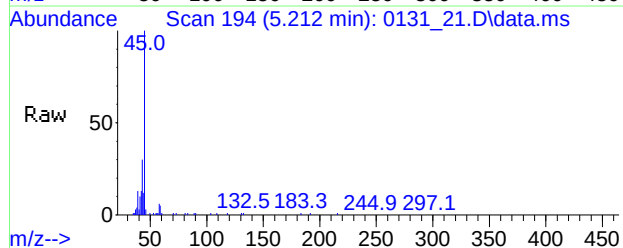
#12
Acetone
Conc: 8\$ 162.996 ppbv
RT: 5.025 min Scan# 171
Delta R.T. -0.024 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

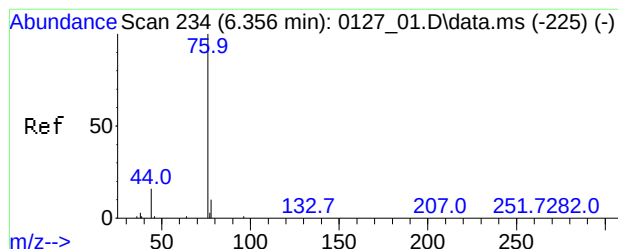
Tgt Ion: 43 Resp: 13420152
Ion Ratio Lower Upper
43 100
58 22.8 0.2 0.2#



#14
Isopropylalcohol
Conc: 8\$ 1.926 ppbv
RT: 5.212 min Scan# 194
Delta R.T. -0.024 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

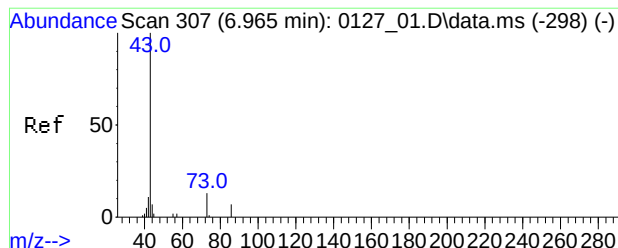
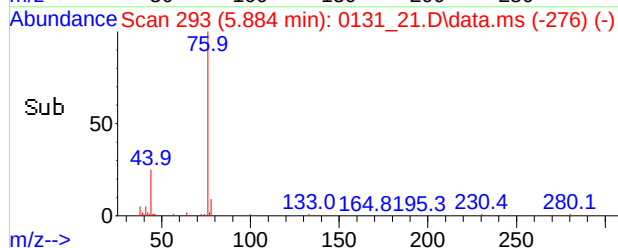
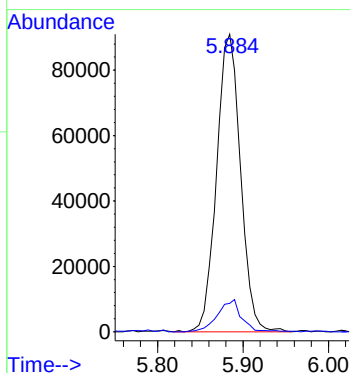
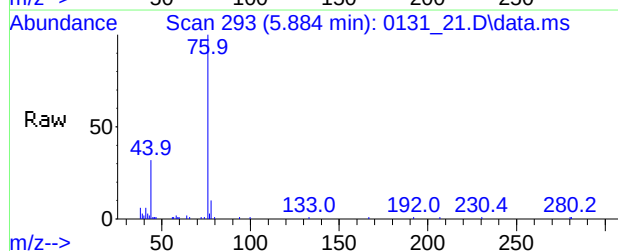
Tgt Ion: 45 Resp: 165224
Ion Ratio Lower Upper
45 100
43 30.5 0.0 0.0#
59 5.2 0.6 1.0#





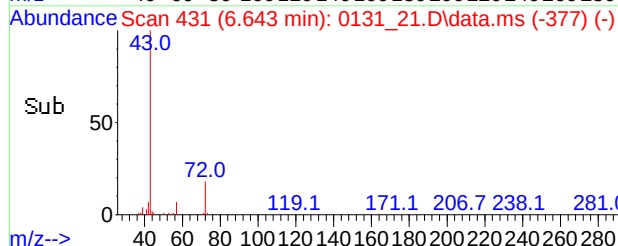
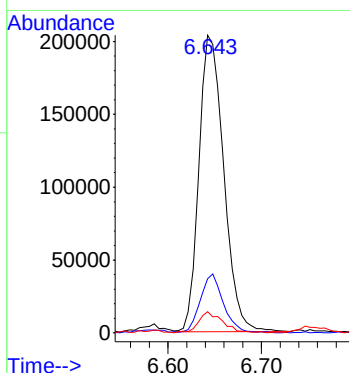
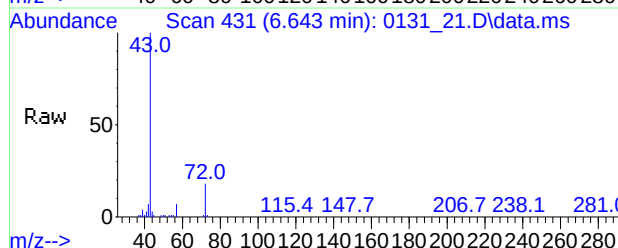
#20
Carbon Disulfide
Conc: 8\$ 2.090 ppbv
RT: 5.884 min Scan# 293
Delta R.T. 0.000 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

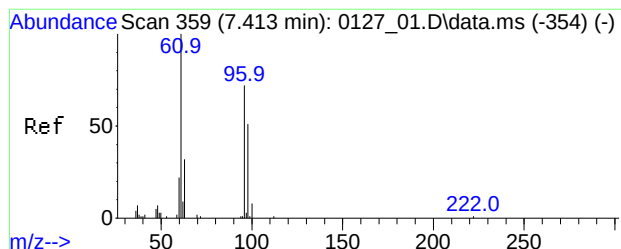
Tgt Ion: 76 Resp: 178150
Ion Ratio Lower Upper
76 100
78 10.9 8.3 12.5



#25
Methyl Ethyl Ketone
Conc: 8\$ 6.096 ppbv
RT: 6.643 min Scan# 431
Delta R.T. -0.020 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

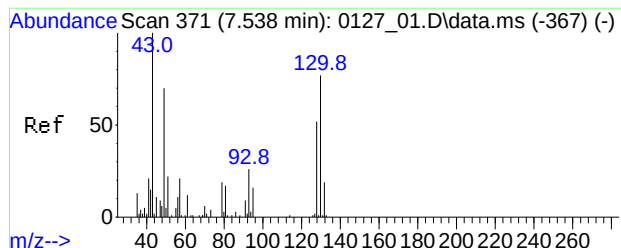
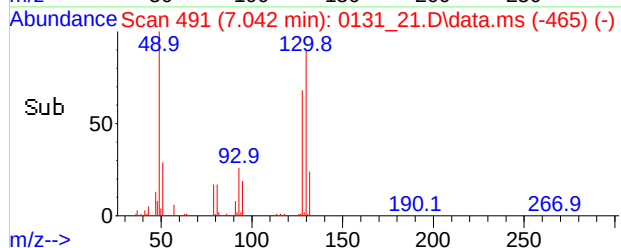
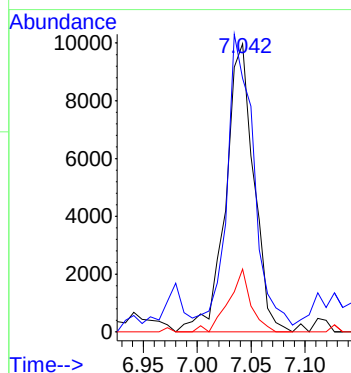
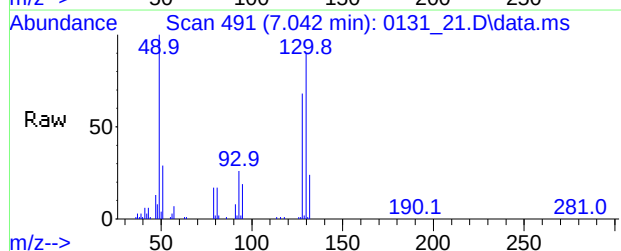
Tgt Ion: 43 Resp: 374987
Ion Ratio Lower Upper
43 100
72 18.5 0.0 0.0#
57 6.9 0.2 0.4#





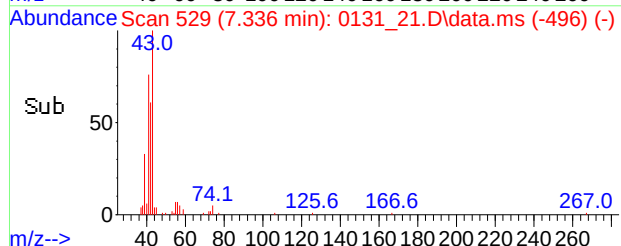
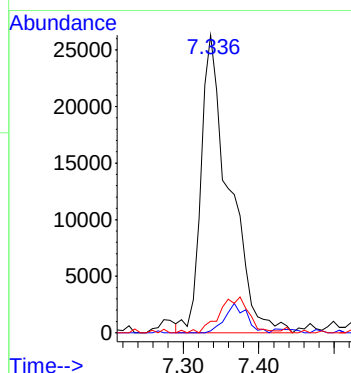
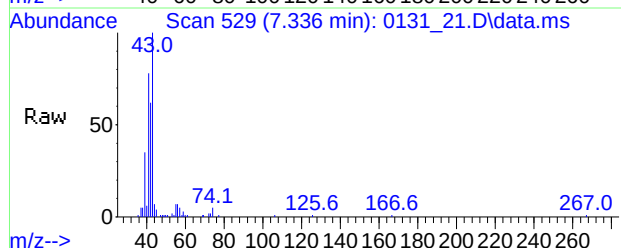
#27
Hexane
Conc: 8\$ 0.454 ppbv
RT: 7.042 min Scan# 491
Delta R.T. -0.000 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

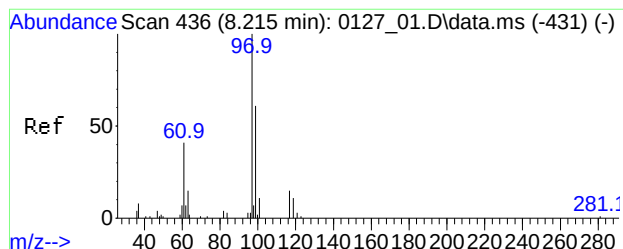
Tgt Ion: 57 Resp: 18046
Ion Ratio Lower Upper
57 100
41 98.9 73.0 109.6
86 17.3 9.8 14.8#



#30
Tetrahydrofuran
Conc: 8\$ 2.112 ppbv
RT: 7.336 min Scan# 529
Delta R.T. -0.047 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

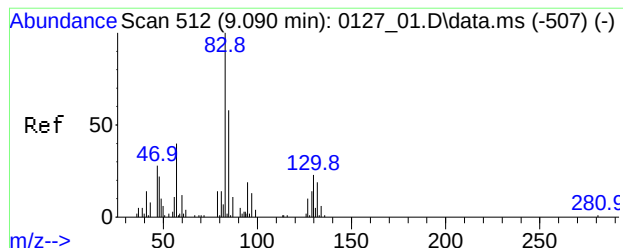
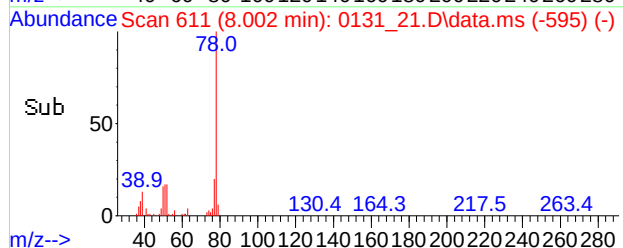
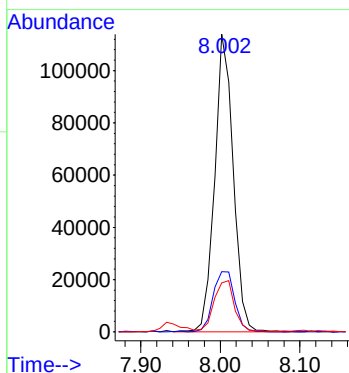
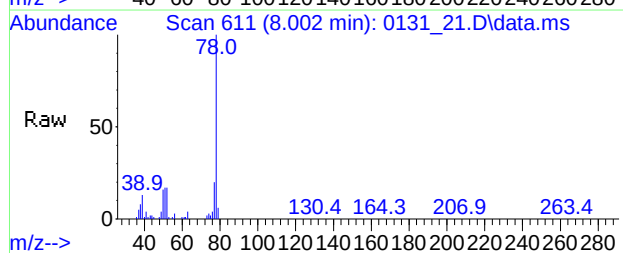
Tgt Ion: 42 Resp: 68495
Ion Ratio Lower Upper
42 100
71 7.5 29.4 44.0#
72 12.6 30.2 45.4#





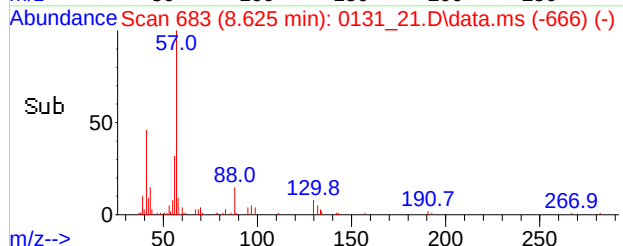
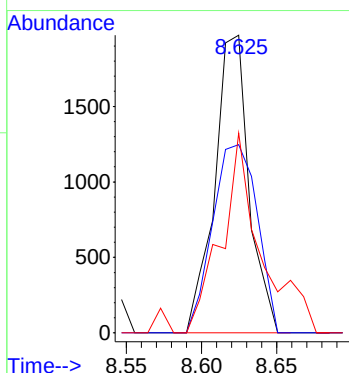
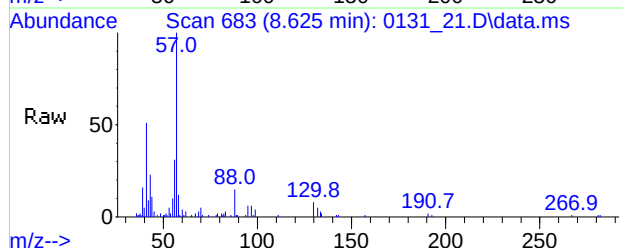
#33
Benzene
Conc: 8\$ 2.360 ppbv
RT: 8.002 min Scan# 611
Delta R.T. -0.000 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

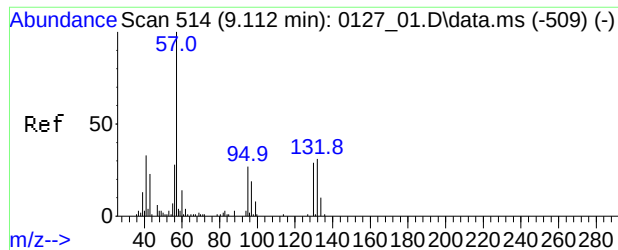
Tgt Ion: 78 Resp: 184628
Ion Ratio Lower Upper
78 100
77 23.7 17.4 26.0
51 19.0 15.8 23.6



#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 8.625 min Scan# 683
Delta R.T. -0.000 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

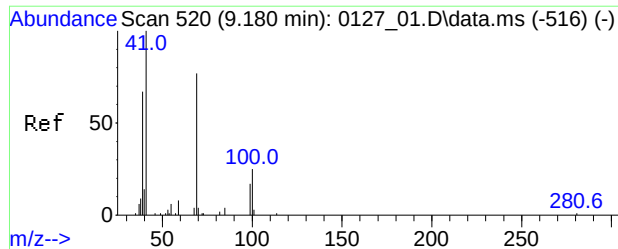
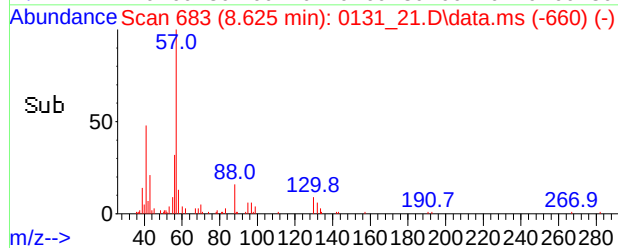
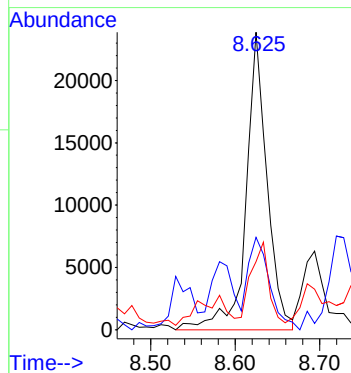
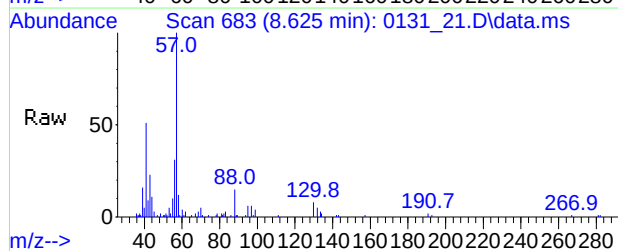
Tgt Ion: 130 Resp: 3139
Ion Ratio Lower Upper
130 100
132 82.3 88.3 132.5#
97 77.1 65.9 98.9





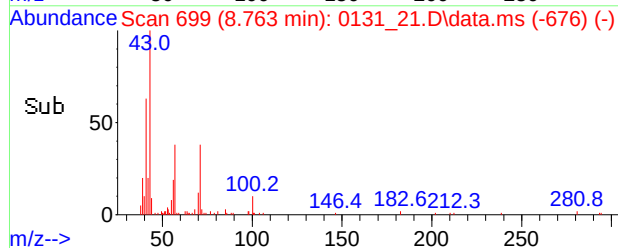
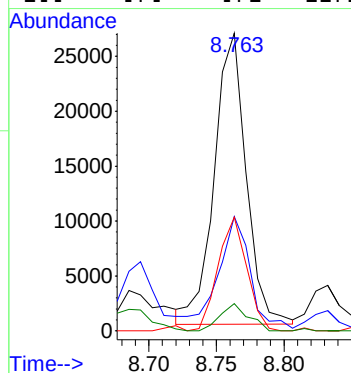
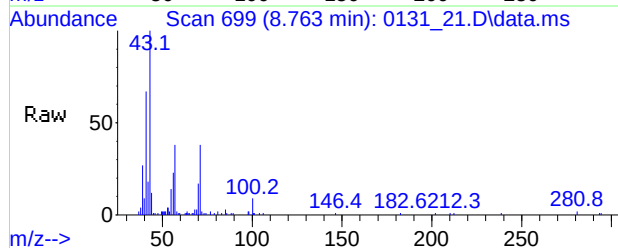
#40
2,2,4-trimethylpentane
Conc: 8\$ 0.312 ppbv
RT: 8.625 min Scan# 683
Delta R.T. -0.000 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

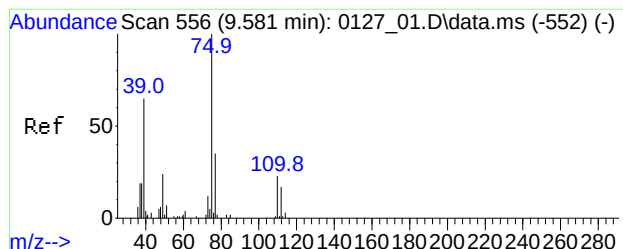
Tgt Ion: 57 Resp: 41304
Ion Ratio Lower Upper
57 100
56 31.4 22.0 33.0
43 22.4 20.4 30.6



#43
Heptane
Conc: 8\$ 0.765 ppbv
RT: 8.763 min Scan# 699
Delta R.T. 0.000 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

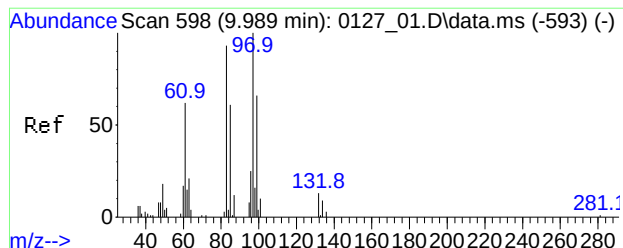
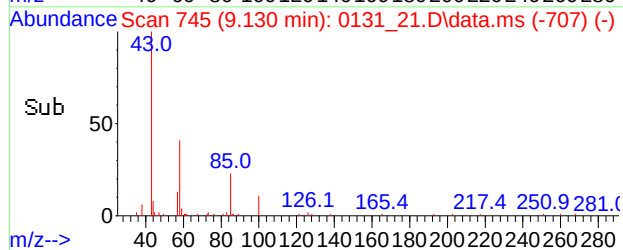
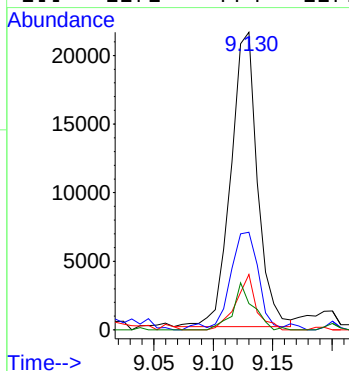
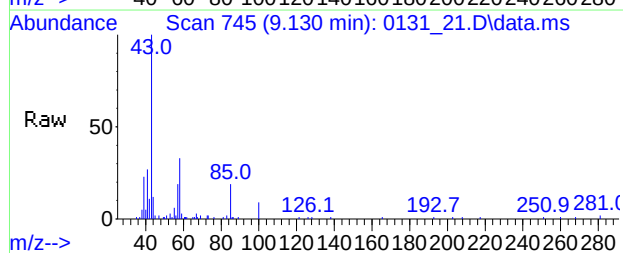
Tgt Ion: 43 Resp: 43469
Ion Ratio Lower Upper
43 100
57 37.1 39.4 59.0#
71 36.0 44.5 66.7#
100 8.3 8.2 12.2





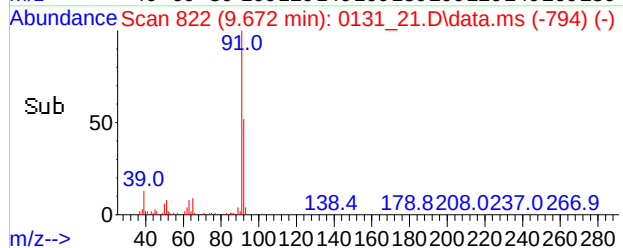
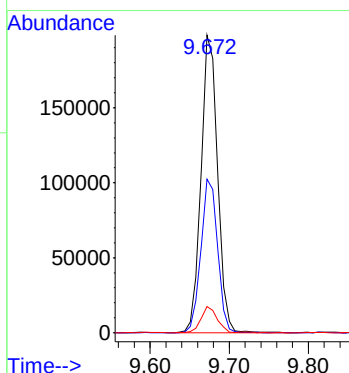
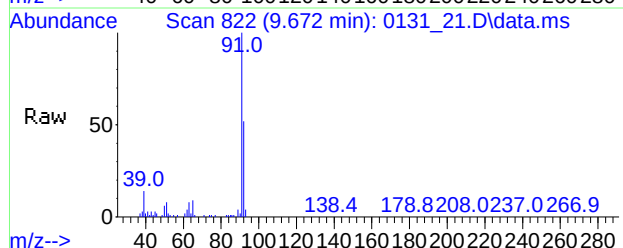
#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 0.390 ppbv
RT: 9.130 min Scan# 745
Delta R.T. 0.002 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

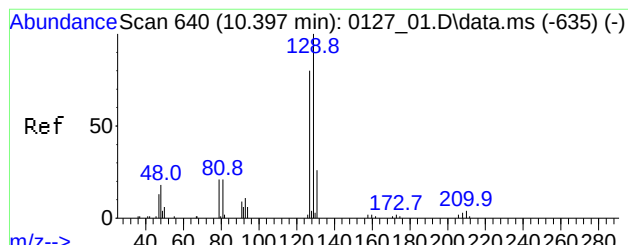
Tgt Ion:	43	Resp:	33500
Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.6	43.0
85	14.4	15.4	23.0#
100	12.1	7.4	11.0#



#48
Toluene
Conc: 8\$ 2.667 ppbv
RT: 9.672 min Scan# 822
Delta R.T. -0.005 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

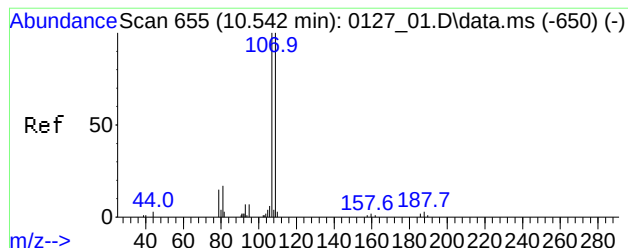
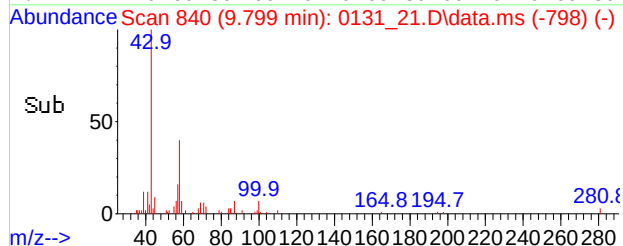
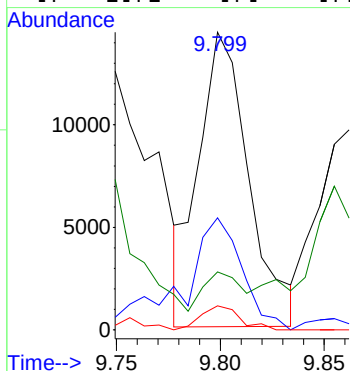
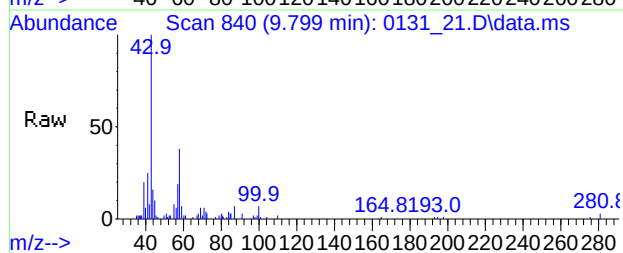
Tgt Ion:	91	Resp:	288436
Ion	Ratio	Lower	Upper
91	100		
92	52.1	43.8	65.8
65	8.7	10.6	16.0#





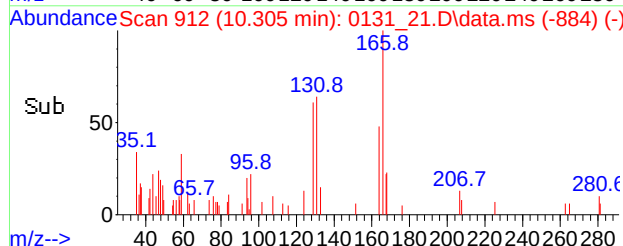
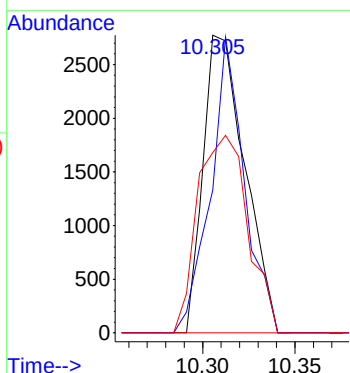
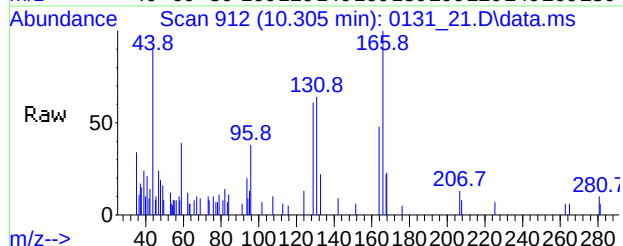
#50
2-Hexanone(MBK)
Conc: 8\$ 0.312 ppbv
RT: 9.799 min Scan# 840
Delta R.T. -0.005 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

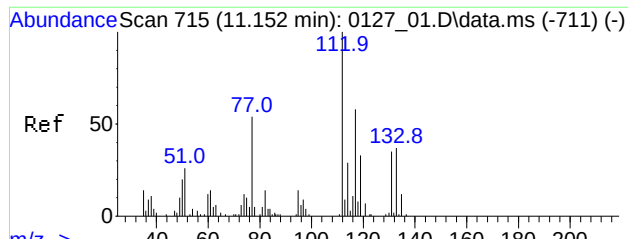
Tgt Ion: 43 Resp: 24162
Ion Ratio Lower Upper
43 100
58 46.1 0.3 0.5#
100 6.3 0.0 0.0#
57 16.1 0.0 0.0#



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.305 min Scan# 912
Delta R.T. -0.006 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

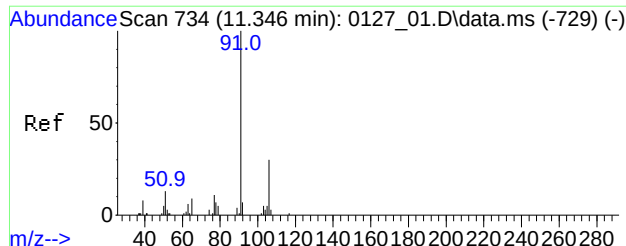
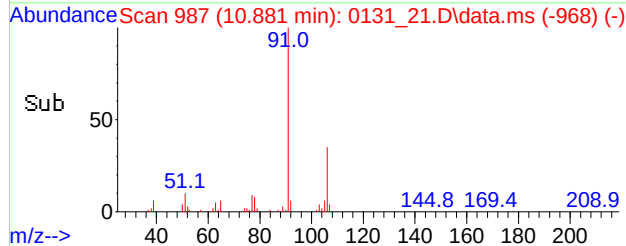
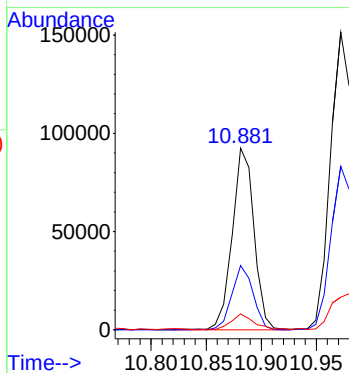
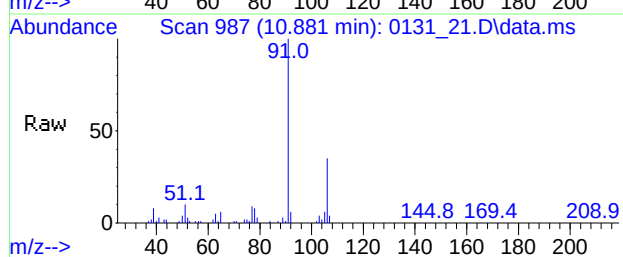
Tgt Ion: 166 Resp: 4358
Ion Ratio Lower Upper
166 100
164 80.3 63.4 95.2
129 79.8 68.4 102.6





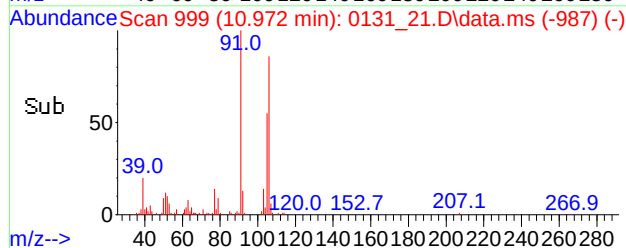
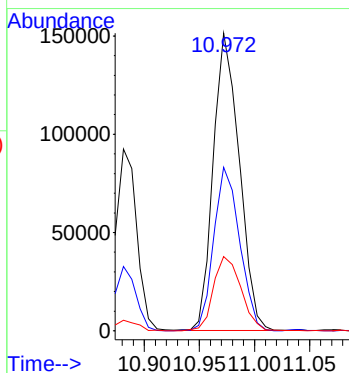
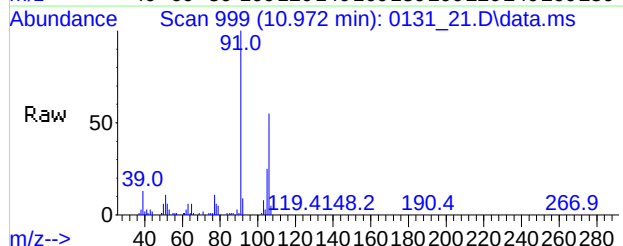
#56
Ethylbenzene
Conc: 8\$ 1.065 ppbv
RT: 10.881 min Scan# 987
Delta R.T. -0.006 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

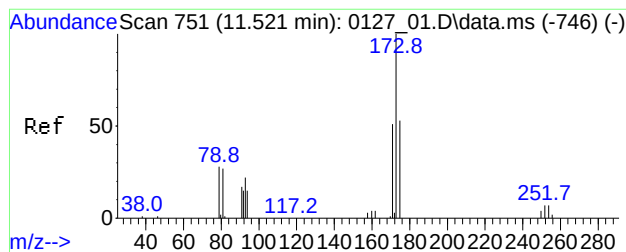
Tgt Ion: 91 Resp: 127699
Ion Ratio Lower Upper
91 100
106 34.4 24.0 64.0
77 9.5 0.0 33.4



#57
m,p-Xylene
Conc: 8\$ 2.803 ppbv
RT: 10.972 min Scan# 999
Delta R.T. -0.006 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

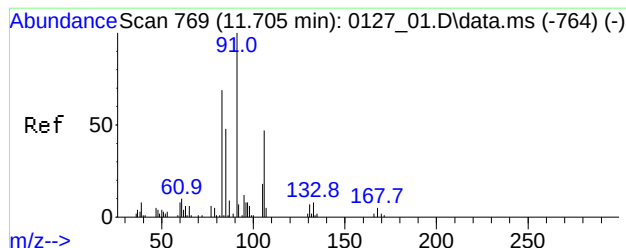
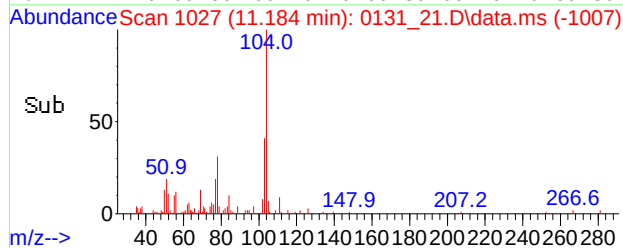
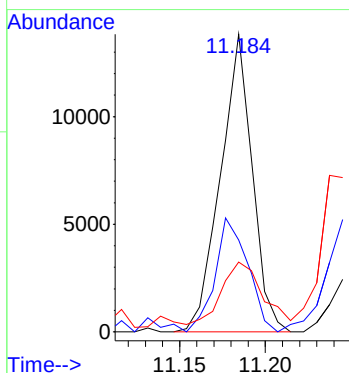
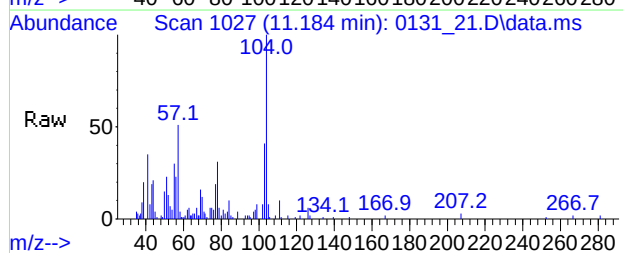
Tgt Ion: 91 Resp: 246786
Ion Ratio Lower Upper
91 100
106 54.8 0.0 0.0#
105 26.7 0.0 0.0#





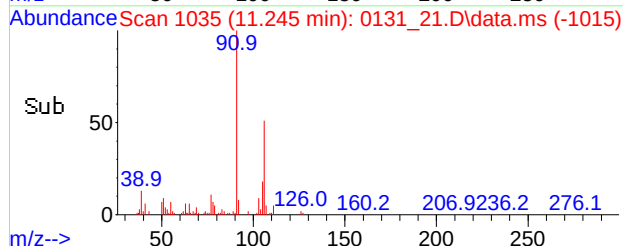
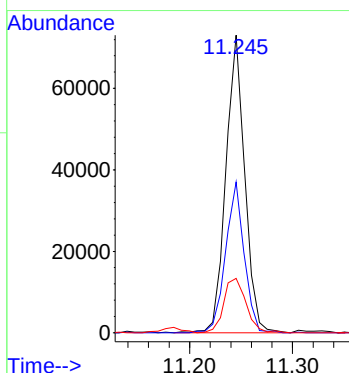
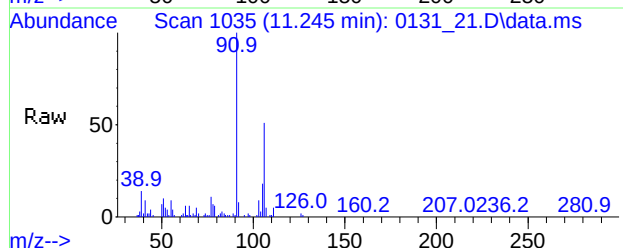
#59
Styrene
Conc: 8\$ 0.242 ppbv
RT: 11.184 min Scan# 1027
Delta R.T. 0.001 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

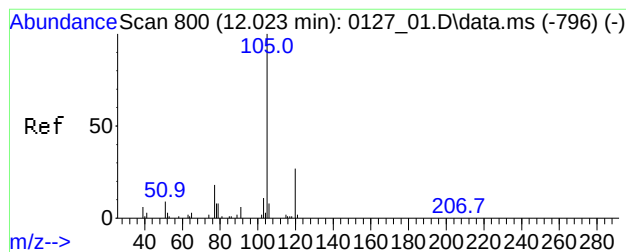
Tgt Ion: 104 Resp: 17868
Ion Ratio Lower Upper
104 100
78 39.3 11.5 17.3#
51 30.3 17.2 25.8#



#61
o-Xylene
Conc: 8\$ 0.957 ppbv
RT: 11.245 min Scan# 1035
Delta R.T. 0.002 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

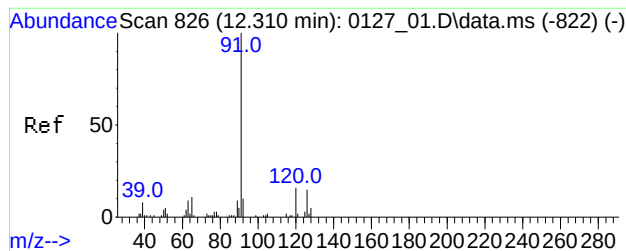
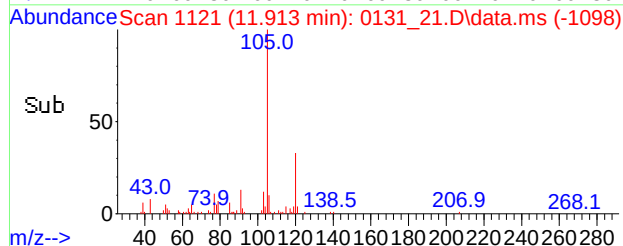
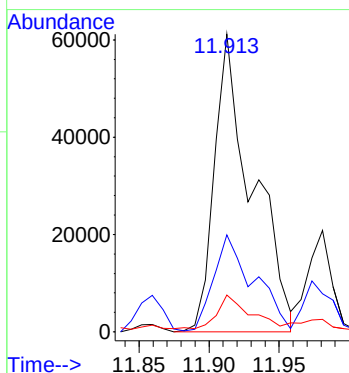
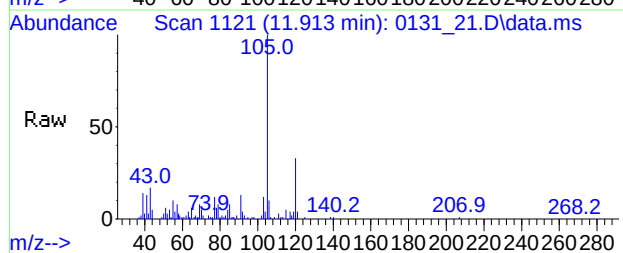
Tgt Ion: 91 Resp: 93526
Ion Ratio Lower Upper
91 100
106 50.0 31.7 47.5#
105 21.7 13.4 20.0#





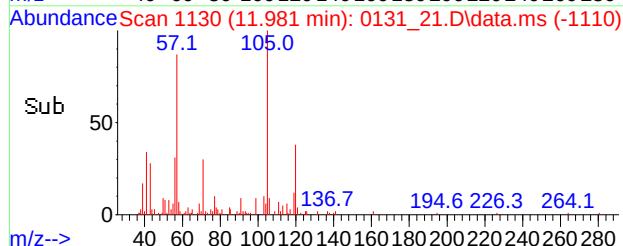
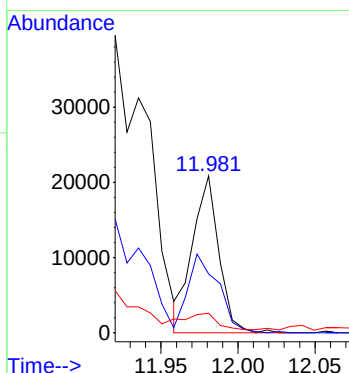
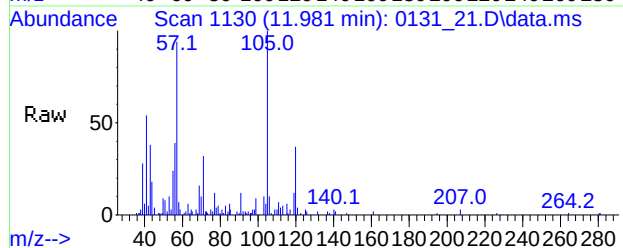
#65
4-Ethyltoluene
Conc: 8\$ 0.808 ppbv
RT: 11.913 min Scan# 1121
Delta R.T. -0.028 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

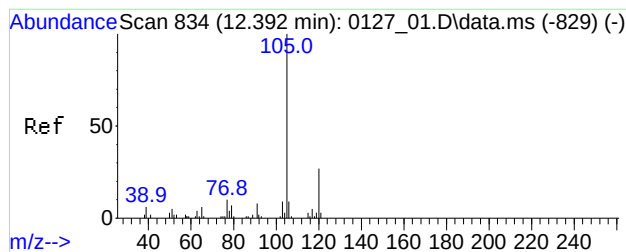
Tgt Ion: 105 Resp: 115642
Ion Ratio Lower Upper
105 100
120 34.1 30.2 45.4
77 9.3 10.5 15.7#



#66
1,3,5-Trimethylbenzene
Conc: 8\$ 0.221 ppbv
RT: 11.981 min Scan# 1130
Delta R.T. 0.002 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

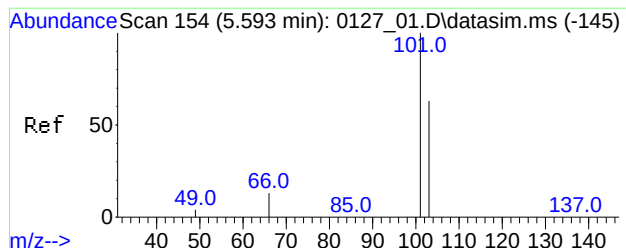
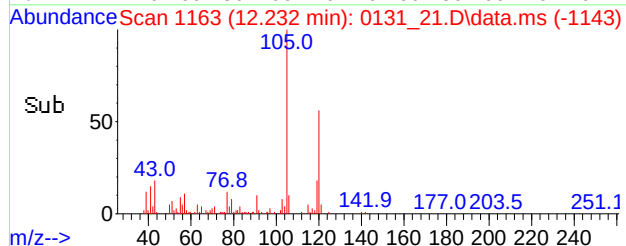
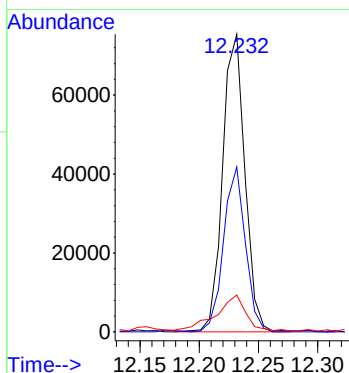
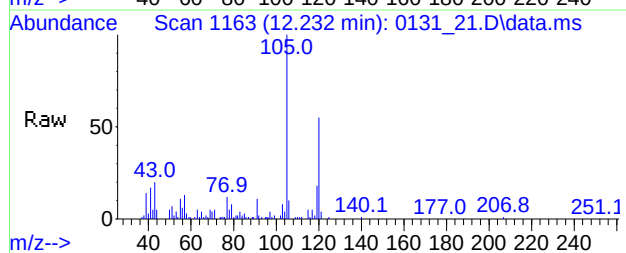
Tgt Ion: 105 Resp: 24899
Ion Ratio Lower Upper
105 100
120 58.1 0.0 0.0#
77 9.2 0.2 0.2#





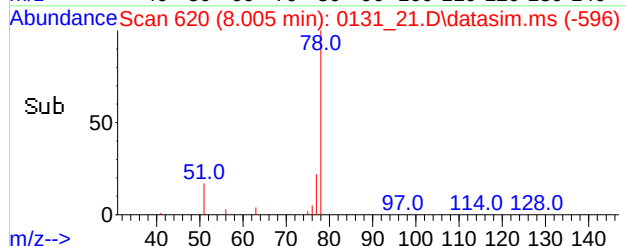
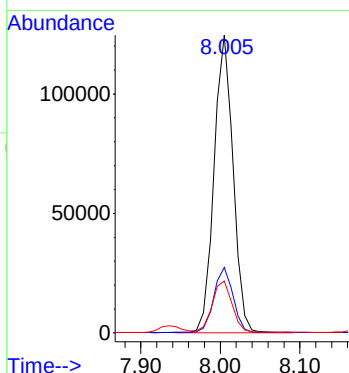
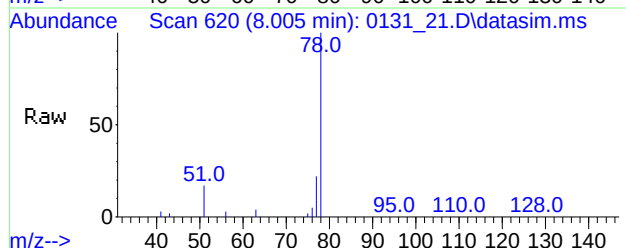
#67
1,2,4-Trimethylbenzene
Conc: 8\$ 0.768 ppbv
RT: 12.232 min Scan# 1163
Delta R.T. 0.002 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

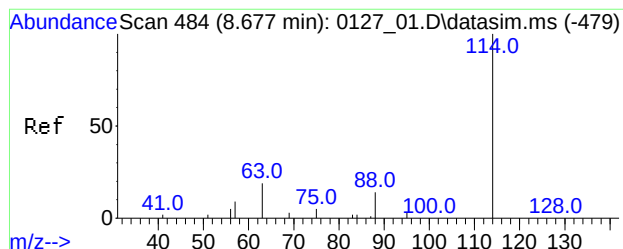
Tgt Ion: 105 Resp: 98138
Ion Ratio Lower Upper
105 100
120 54.0 39.4 59.2
77 15.6 23.9 35.9#



#85
Benzene(sim)
Conc: 8\$ 2.106 ppbv
RT: 8.002 min Scan# 620
Delta R.T. -0.000 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

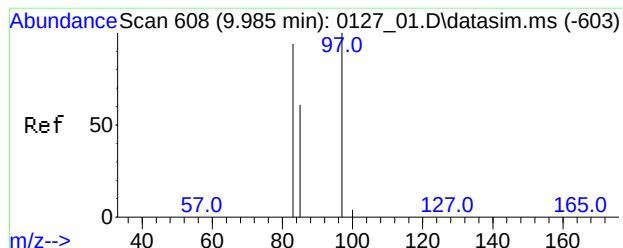
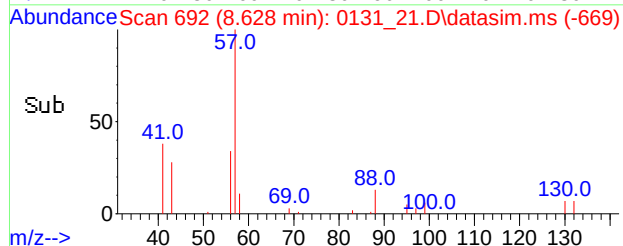
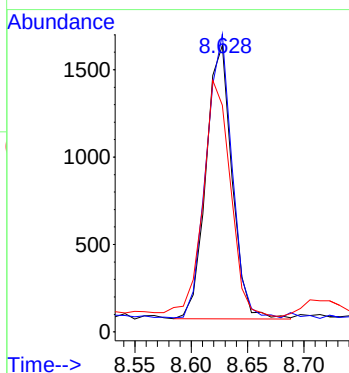
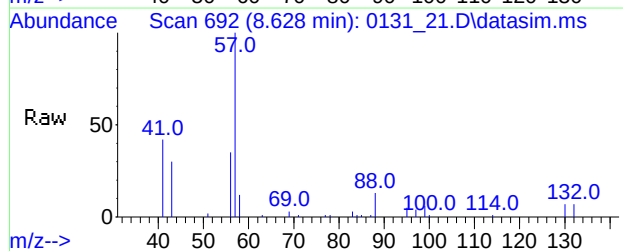
Tgt Ion: 78 Resp: 184628
Ion Ratio Lower Upper
78 100
77 23.7 17.4 26.0
51 19.0 15.8 23.6





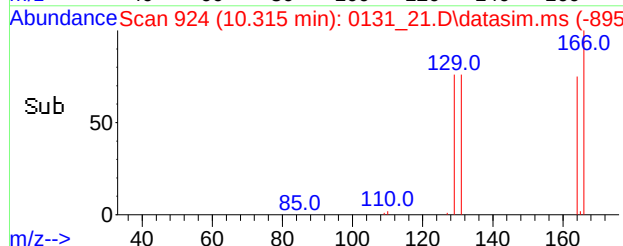
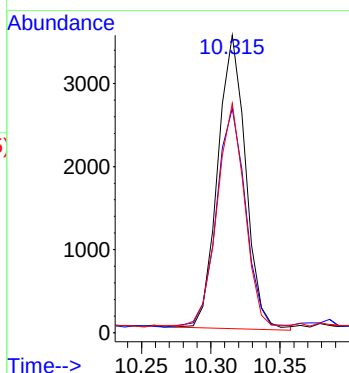
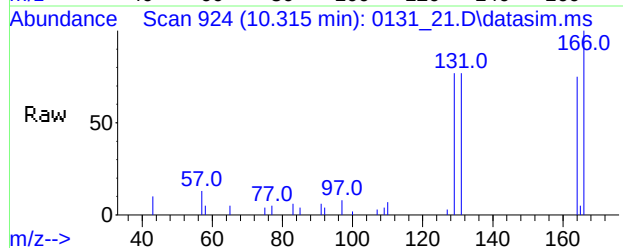
#96
Trichloroethene(sim)
Conc: 8\$ 0.046 ppbv
RT: 8.628 min Scan# 692
Delta R.T. -0.000 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

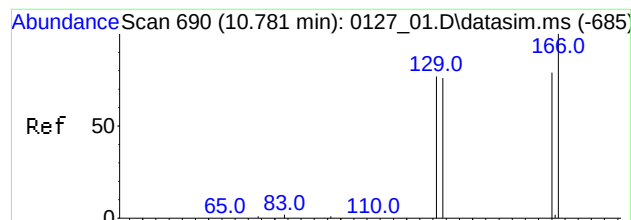
Tgt Ion:130 Resp: 2518
Ion Ratio Lower Upper
130 100
132 102.1 78.4 117.6
95 90.9 92.6 138.8#



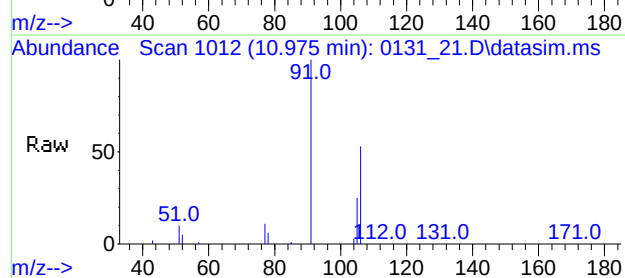
#102
Tetrachloroethene(sim)
Conc: 8\$ 0.068 ppbv
RT: 10.315 min Scan# 924
Delta R.T. 0.001 min
Lab File: 0131_21.D
Acq: 1 Feb 2025 2:52 am

Tgt Ion:166 Resp: 4950
Ion Ratio Lower Upper
166 100
164 79.9 54.6 94.6
129 74.1 52.2 92.2

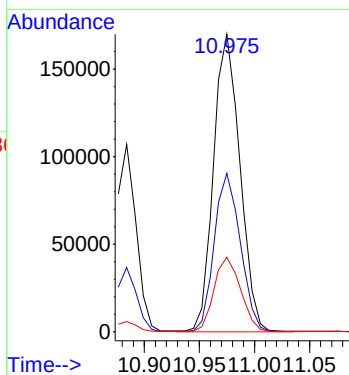
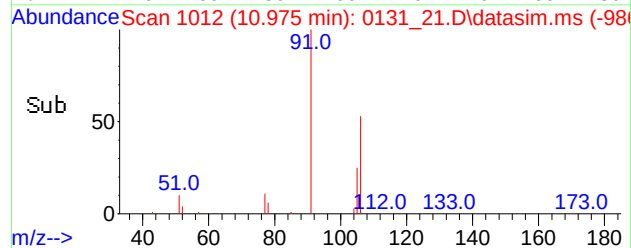




#105
 m,p-Xylene(sim)
 Conc: 8\$ 2.565 ppbv
 RT: 10.972 min Scan# 1012
 Delta R.T. -0.006 min
 Lab File: 0131_21.D
 Acq: 1 Feb 2025 2:52 am



Tgt Ion: 91 Resp: 248435
 Ion Ratio Lower Upper
 91 100
 106 54.5 39.6 48.4#
 105 26.6 16.6 24.8#



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	IA-E
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55369</u>	
Canister:	<u>23318</u>	Lab File ID:	<u>0131_10.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>01/31/25</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.448		0.202	0.202	r
74-87-3	Chloromethane	0.671		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	47.4	ES	0.531	0.531	r
67-64-1	Acetone	13.1	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.217		0.178	0.178	r
67-63-0	Isopropylalcohol	6.34	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.912		0.339	0.339	r
110-54-3	Hexane	0.581	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.381		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.640		0.339	0.339	r
71-43-2	Benzene	0.332		0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.482		0.215	0.215	r
142-82-5	Heptane	0.321		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	1.47		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.583		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.273		0.200	0.200	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	IA-E
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55369</u>	
Canister:	<u>23318</u>	Lab File ID:	<u>0131_10.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u>	(cc)	Date Analyzed:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.083		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.038		0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.056		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.198		0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\01JAN\31\
 Data File : 0131_10.D
 Acq On : 31 Jan 2025 7:31 pm
 Operator : Keith
 Client ID : IA-E
 Lab ID : CS55369
 ALS Vial : 11 Sample Multiplier: 1

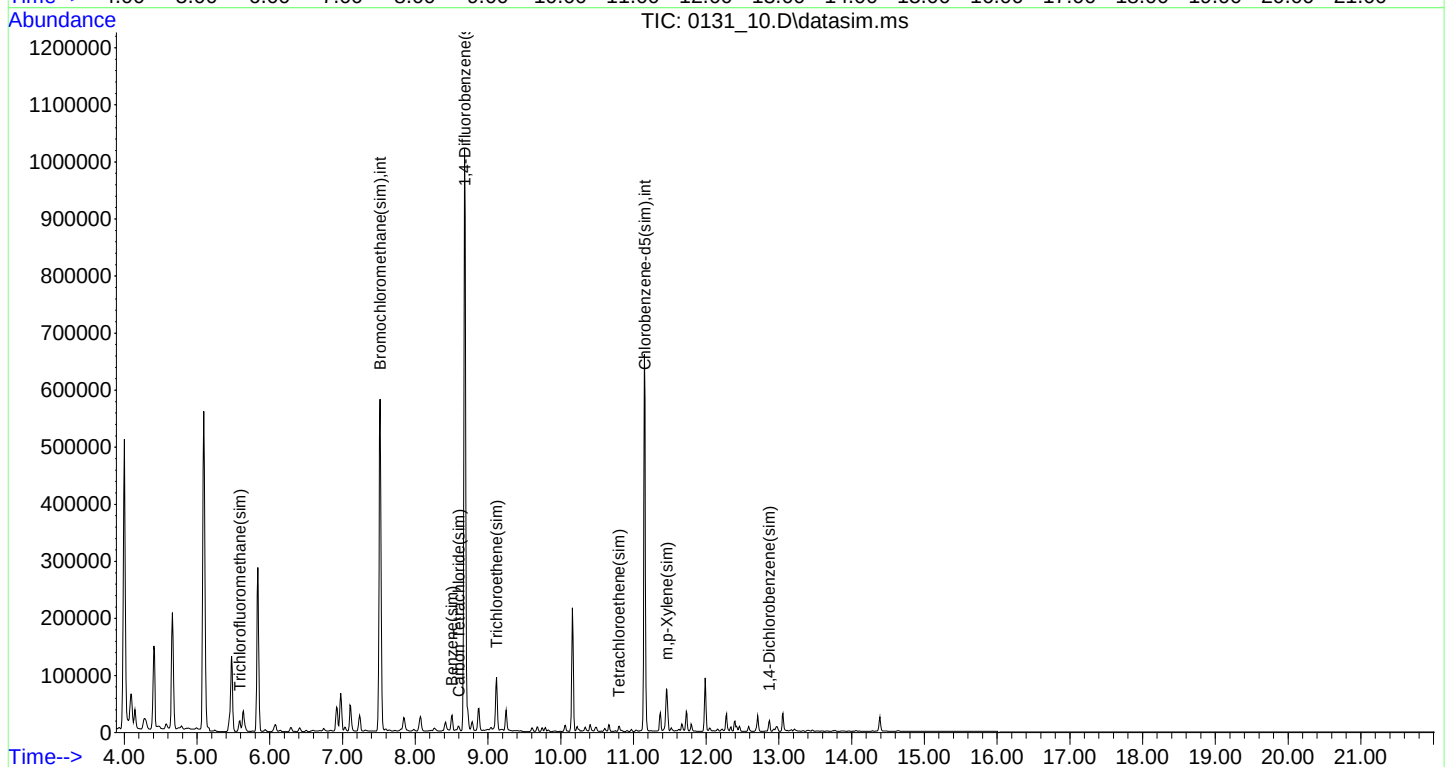
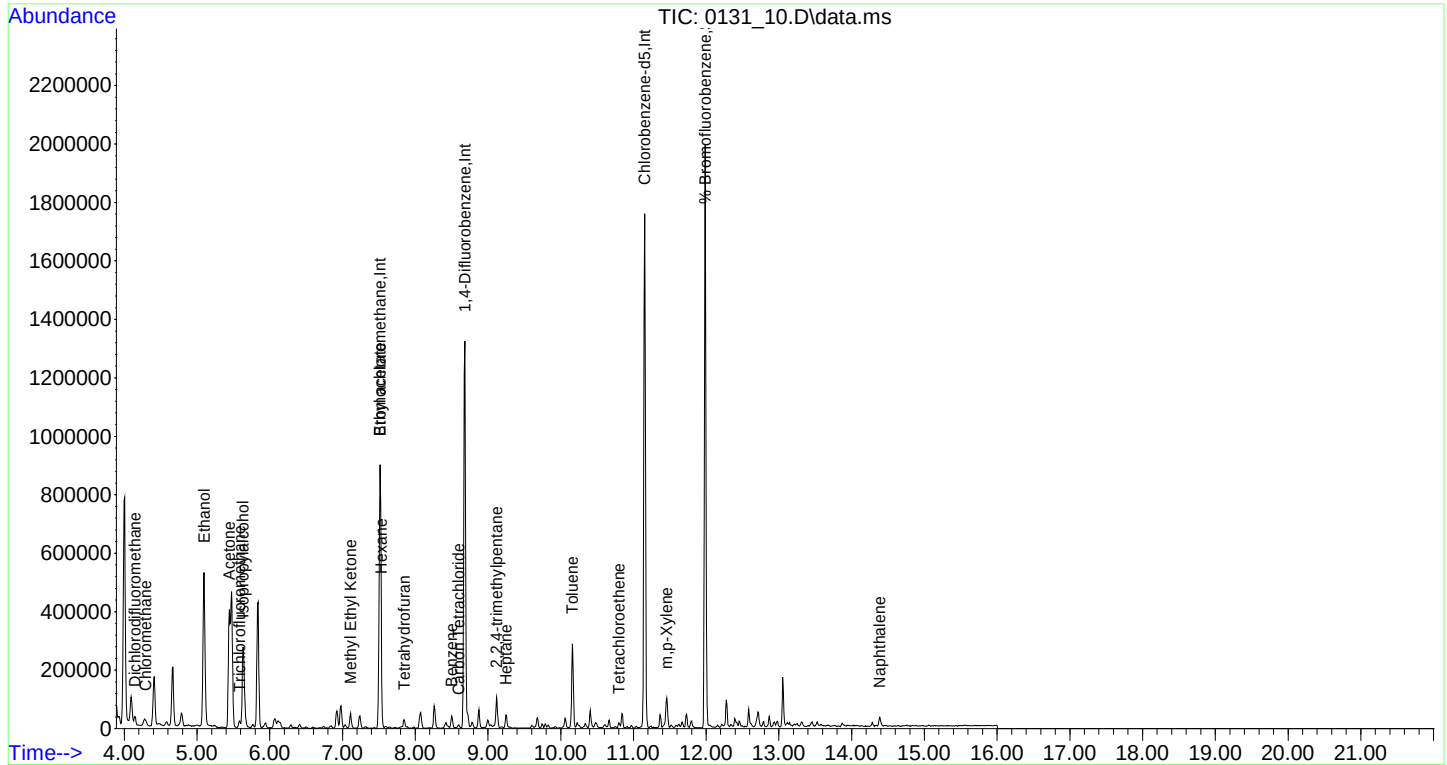
Quant Time: Feb 01 11:06:02 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

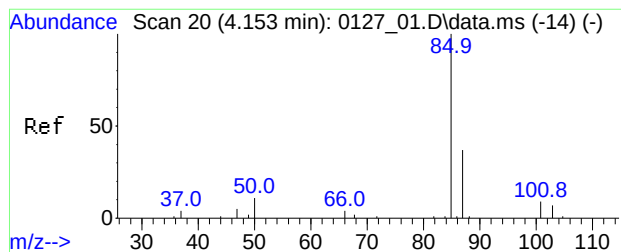
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	270222	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.684	114	934837	10.000	ng	0.00
53) Chlorobenzene-d5	11.155	82	446028	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	268365	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.684	114	934837	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.155	82	446187	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.989	95	557079	10.231	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.30%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	4.145	85	36776	0.448	ppbv	97
4) Chloromethane	4.294	50	20072	0.671	ppbv	98
11) Ethanol	5.099	45	703396	47.439	ppbv#	93
12) Acetone	5.443	43	657178	13.060	ppbv#	82
13) Trichlorofluoromethane	5.584	101	19013	0.217	ppbv	98
14) Isopropylalcohol	5.633	45	369421	6.336	ppbv#	90
25) Methyl Ethyl Ketone	7.110	43	58618	0.912	ppbv	96
27) Hexane	7.531	57	24806	0.581	ppbv#	83
29) Ethyl acetate	7.515	61	3794	0.381	ppbv#	81
30) Tetrahydrofuran	7.848	42	19385	0.640	ppbv	97
33) Benzene	8.502	78	29262	0.332	ppbv	97
34) Carbon Tetrachloride	8.597	117	6000	0.082	ppbv	99
39) Trichloroethene	9.116	130	1650	0.037	ppbv#	83
40) 2,2,4-trimethylpentane	9.116	57	67723	0.482	ppbv#	85
43) Heptane	9.246	43	18168	0.321	ppbv	92
48) Toluene	10.159	91	163233	1.469	ppbv	98
52) Tetrachloroethene	10.800	166	3994	0.064	ppbv	99
57) m,p-Xylene	11.458	91	58483	0.583	ppbv	96
72) 1,4-Dichlorobenzene	12.867	146	11149	0.166	ppbv	95
78) Naphthalene	14.383	128	25469	0.273	ppbv#	97
84] Trichlorofluoromethane...	5.587	101	19752	0.216	ppbv#	98
87] Benzene(sim)	8.502	78	29262	0.314	ppbv	97
88] Carbon Tetrachloride(sim)	8.600	117	5911	0.083	ppbv	100
98] Trichloroethene(sim)	9.119	130	1832	0.038	ppbv#	77
104] Tetrachloroethene(sim)	10.802	166	4081	0.056	ppbv	97
107] m,p-Xylene(sim)	11.458	91	58483	0.481	ppbv	96
113] 1,4-Dichlorobenzene(sim)	12.867	146	11027	0.198	ppbv	94

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\31\
Data File : 0131_10.D
Acq On : 31 Jan 2025 7:31 pm
Operator : Keith
Client ID : IA-E
Lab ID : CS55369
ALS Vial : 11 Sample Multiplier: 1

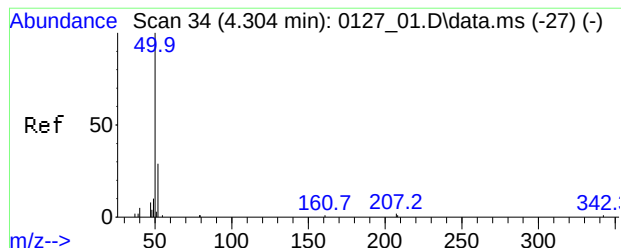
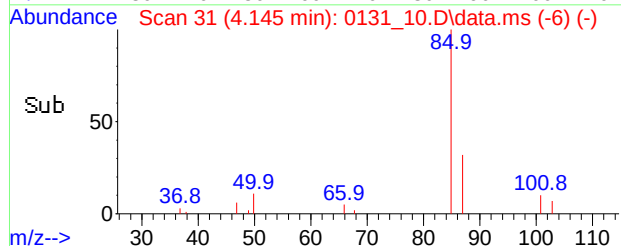
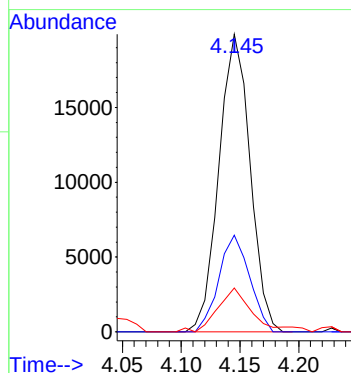
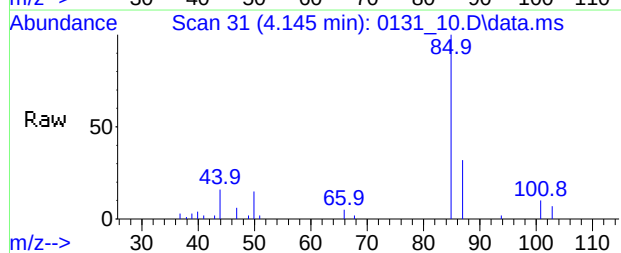
Quant Time: Feb 01 11:06:02 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 24 09:47:42 2025
Response via : Initial Calibration





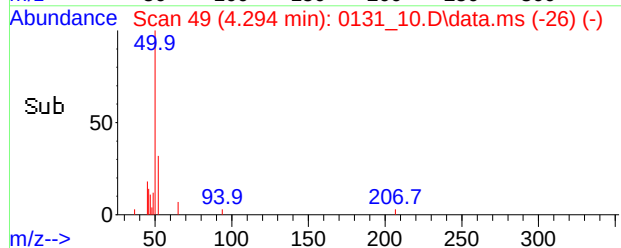
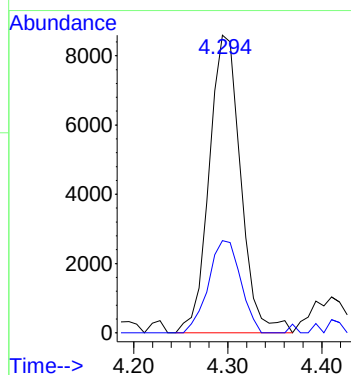
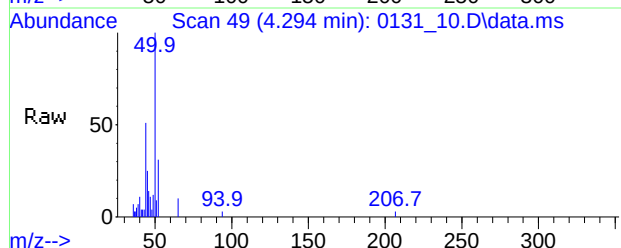
#3
Dichlorodifluoromethane
Conc: 8\$ 0.448 ppbv
RT: 4.145 min Scan# 31
Delta R.T. 0.008 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

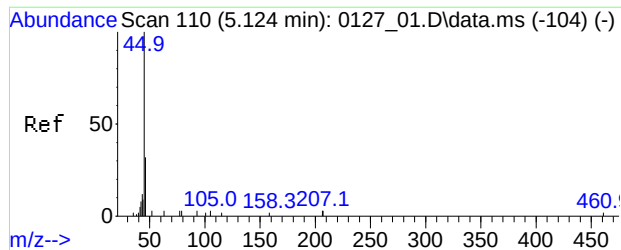
Tgt Ion: 85 Resp: 36776
Ion Ratio Lower Upper
85 100
87 32.1 26.9 40.3
50 16.4 12.0 18.0



#4
Chloromethane
Conc: 8\$ 0.671 ppbv
RT: 4.294 min Scan# 49
Delta R.T. -0.008 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

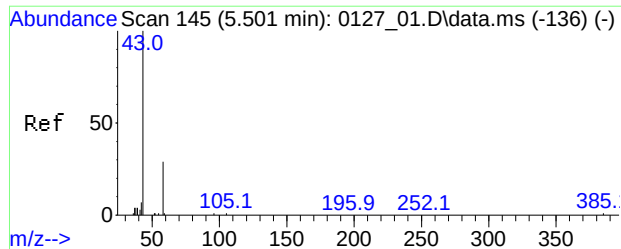
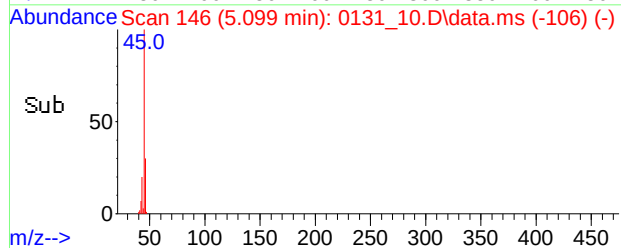
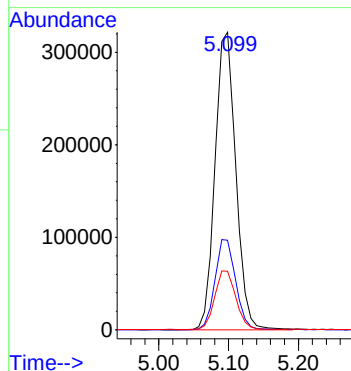
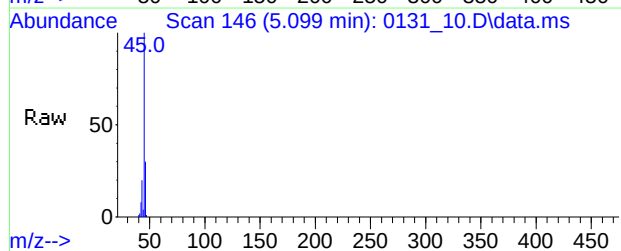
Tgt Ion: 50 Resp: 20072
Ion Ratio Lower Upper
50 100
52 31.6 12.8 52.8





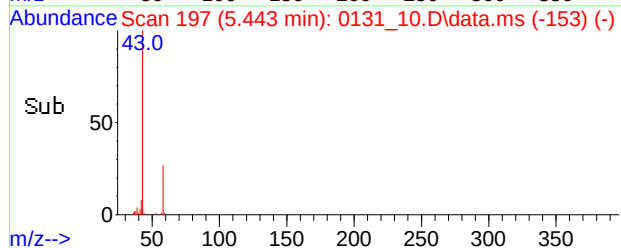
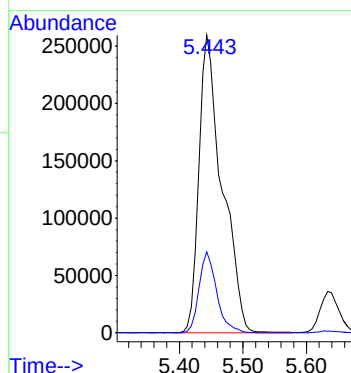
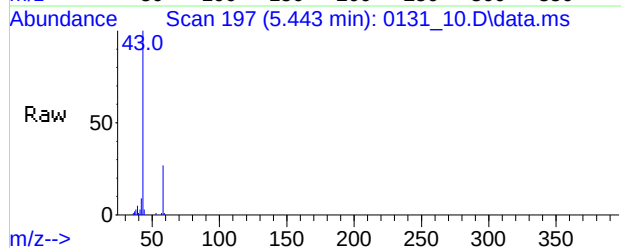
#11
Ethanol
Conc: 8\$ 47.439 ppbv
RT: 5.099 min Scan# 146
Delta R.T. 0.034 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

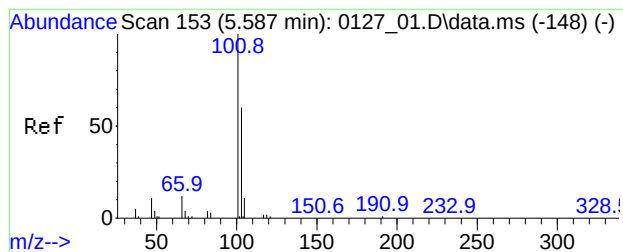
Tgt Ion: 45 Resp: 703396
Ion Ratio Lower Upper
45 100
46 29.2 25.0 37.6
43 19.8 20.0 30.0#



#12
Acetone
Conc: 8\$ 13.060 ppbv
RT: 5.443 min Scan# 197
Delta R.T. -0.012 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

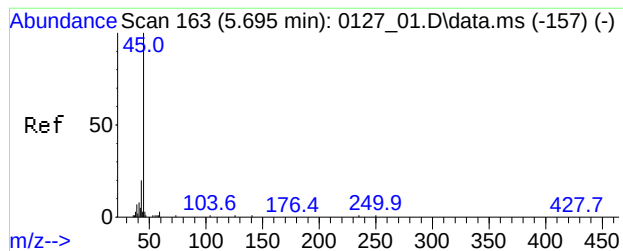
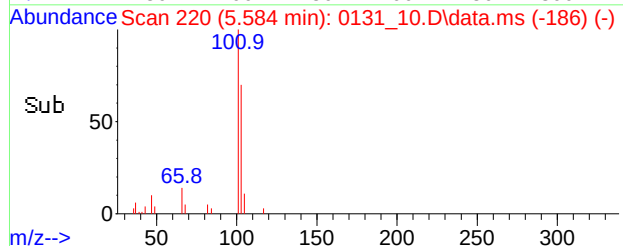
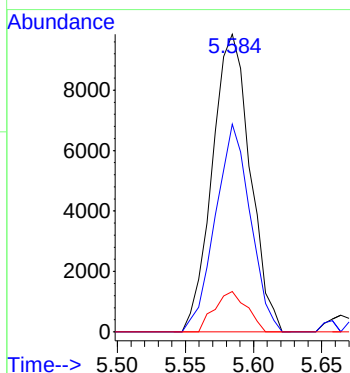
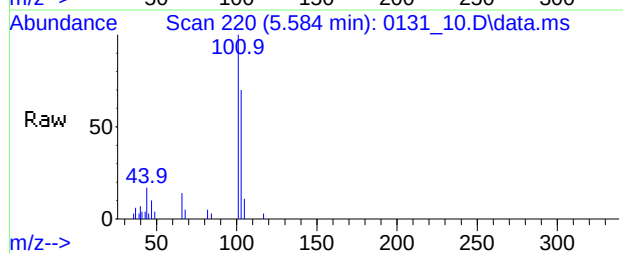
Tgt Ion: 43 Resp: 657178
Ion Ratio Lower Upper
43 100
58 20.7 24.6 37.0#





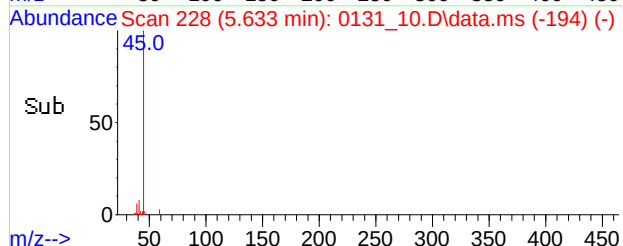
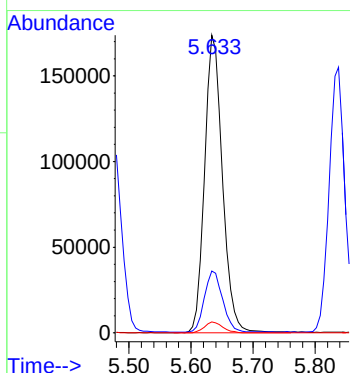
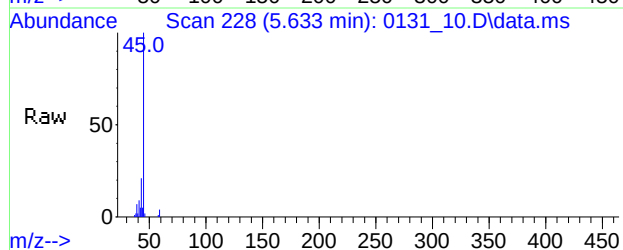
#13
Trichlorofluoromethane
Conc: 8\$ 0.217 ppbv
RT: 5.584 min Scan# 220
Delta R.T. 0.006 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

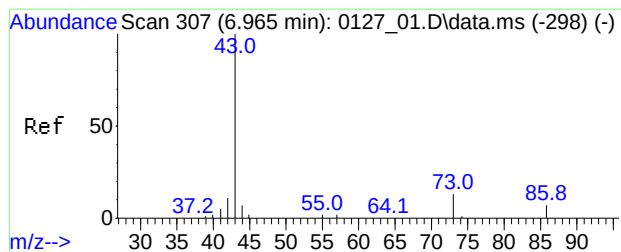
Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.4	80.2
66	11.5	9.3	13.9



#14
Isopropylalcohol
Conc: 8\$ 6.336 ppbv
RT: 5.633 min Scan# 228
Delta R.T. 0.006 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

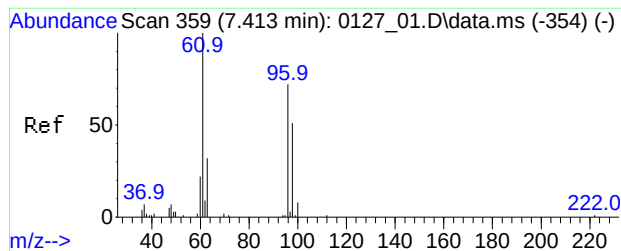
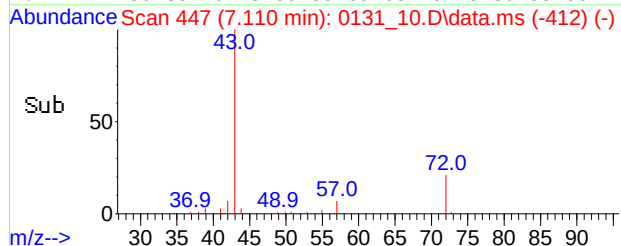
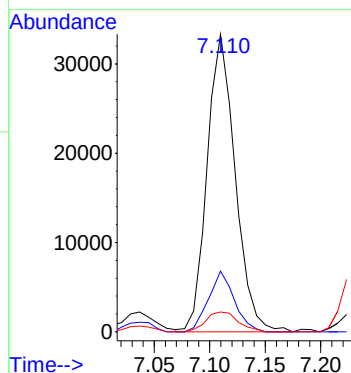
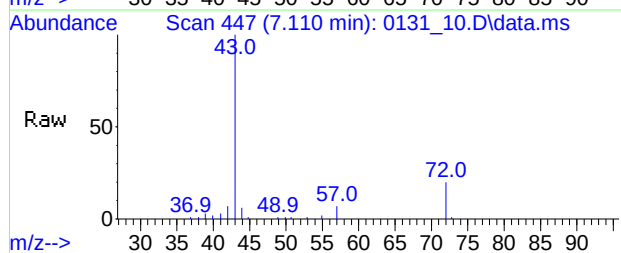
Tgt Ion	Ratio	Lower	Upper
45	100		
43	21.9	13.3	19.9#
59	3.5	2.6	4.0





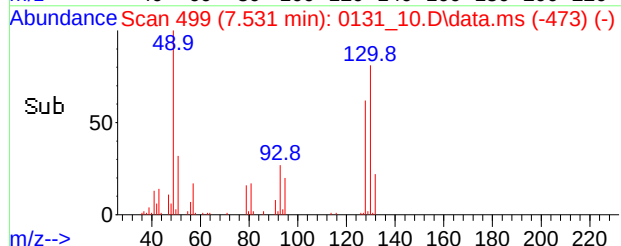
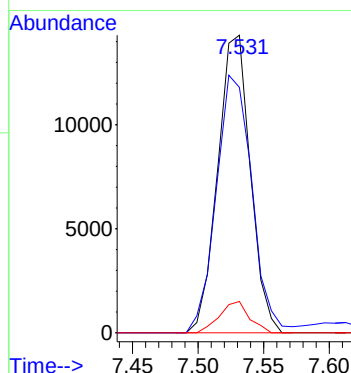
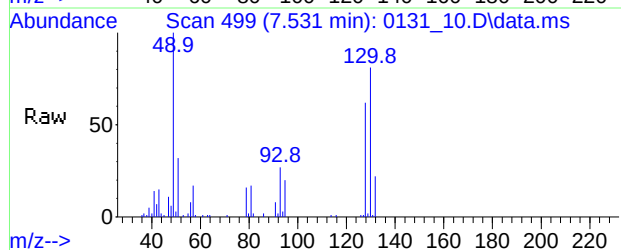
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.912 ppbv
RT: 7.110 min Scan# 447
Delta R.T. -0.016 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

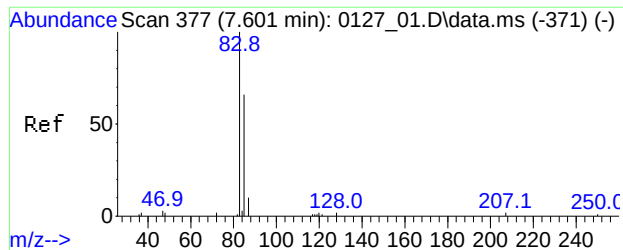
Tgt Ion: 43 Resp: 58618
Ion Ratio Lower Upper
43 100
72 18.7 13.1 19.7
57 7.7 6.6 9.8



#27
Hexane
Conc: 8\$ 0.581 ppbv
RT: 7.531 min Scan# 499
Delta R.T. 0.008 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

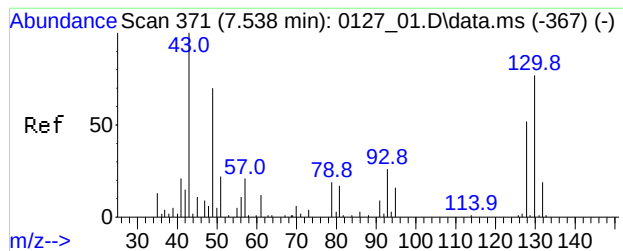
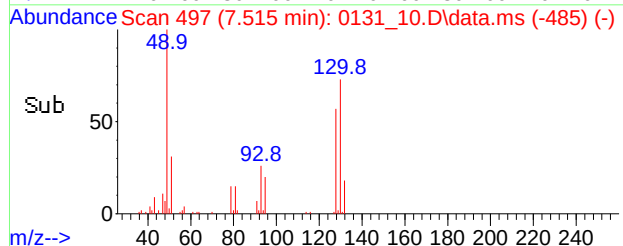
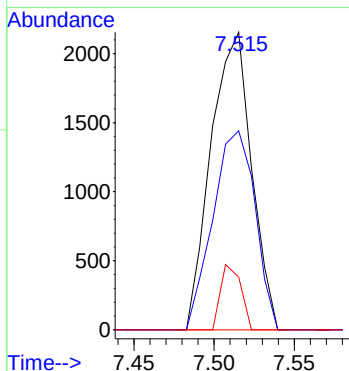
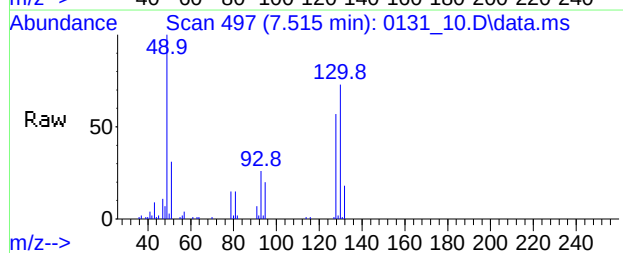
Tgt Ion: 57 Resp: 24806
Ion Ratio Lower Upper
57 100
41 94.6 63.4 95.2
86 9.6 5.8 8.6#





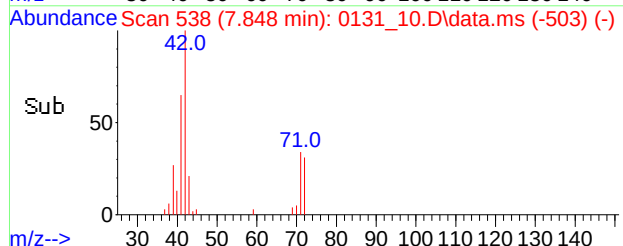
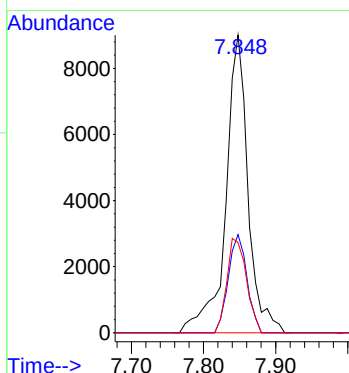
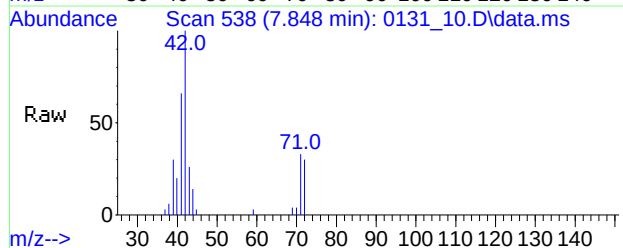
#29
Ethyl acetate
Conc: 8\$ 0.381 ppbv
RT: 7.515 min Scan# 497
Delta R.T. 0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

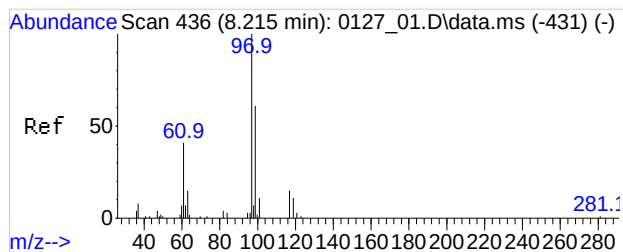
Tgt Ion: 61 Resp: 3794
Ion Ratio Lower Upper
61 100
70 69.7 42.9 64.3#
88 11.0 10.0 15.0



#30
Tetrahydrofuran
Conc: 8\$ 0.640 ppbv
RT: 7.848 min Scan# 538
Delta R.T. -0.016 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

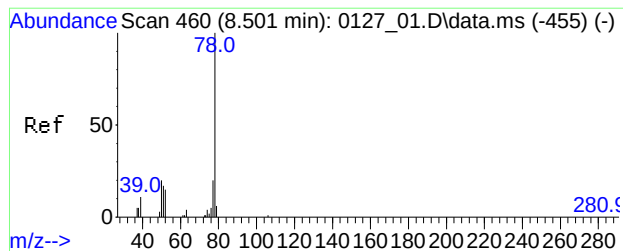
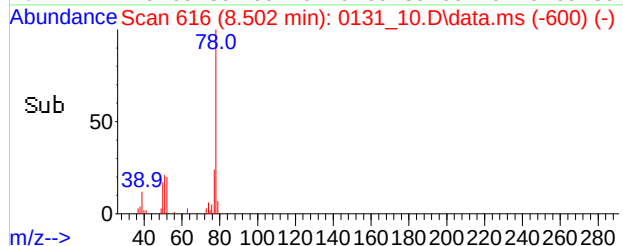
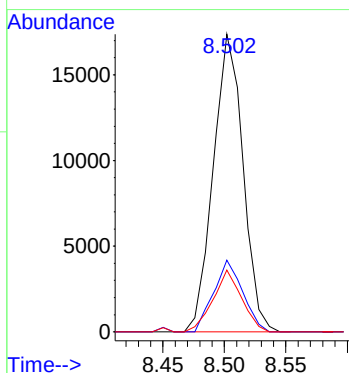
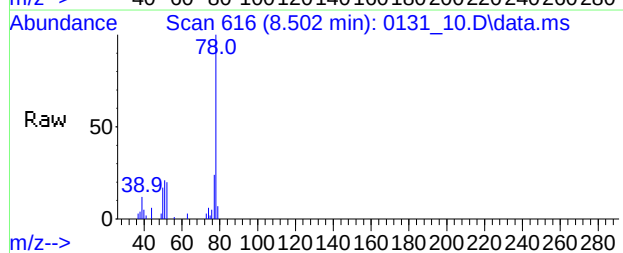
Tgt Ion: 42 Resp: 19385
Ion Ratio Lower Upper
42 100
71 27.6 23.5 35.3
72 27.8 21.5 32.3





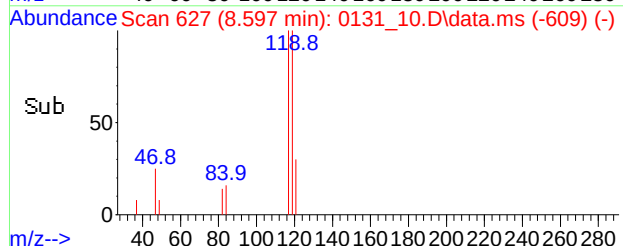
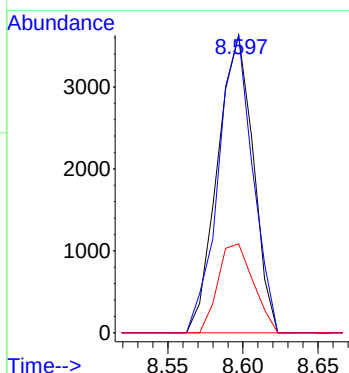
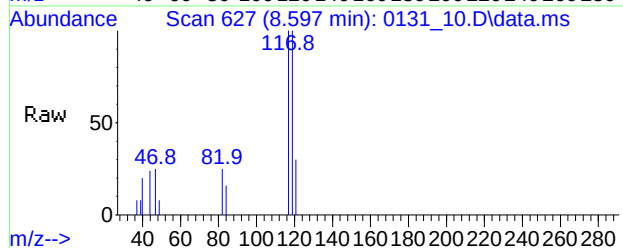
#33
Benzene
Conc: 8\$ 0.332 ppbv
RT: 8.502 min Scan# 616
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

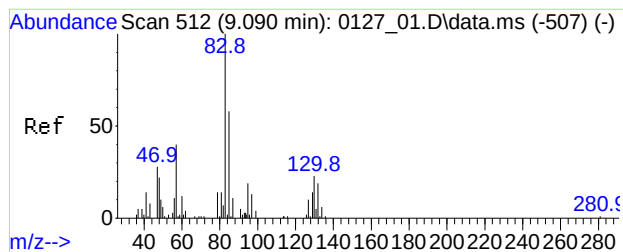
Tgt Ion: 78 Resp: 29262
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2
51 20.0 18.1 27.1



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.597 min Scan# 627
Delta R.T. 0.009 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

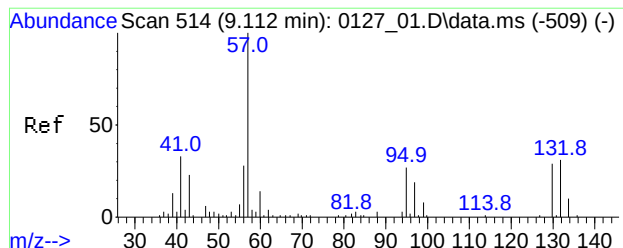
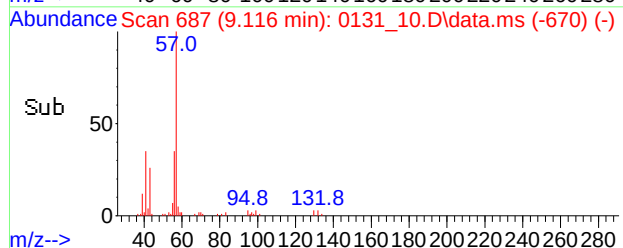
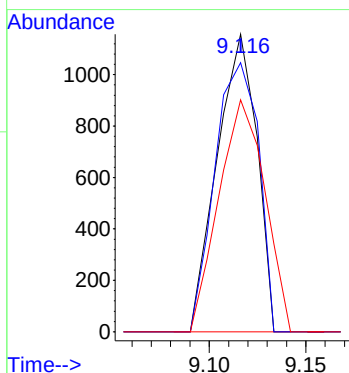
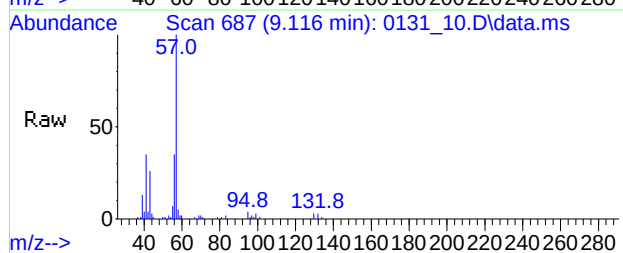
Tgt Ion: 117 Resp: 6000
Ion Ratio Lower Upper
117 100
119 96.7 76.5 116.5
121 29.7 11.2 51.2





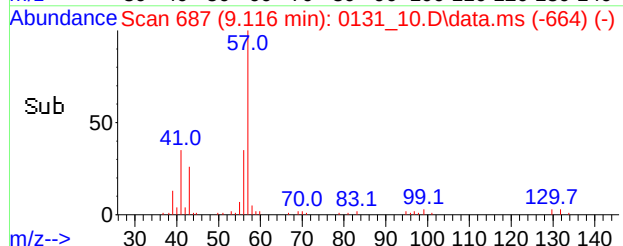
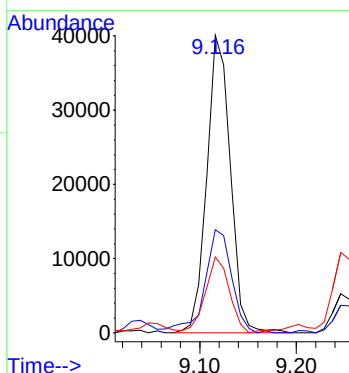
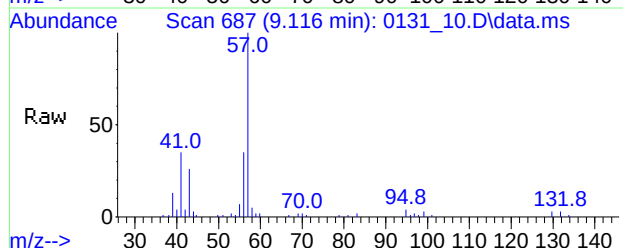
#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 9.116 min Scan# 687
Delta R.T. 0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

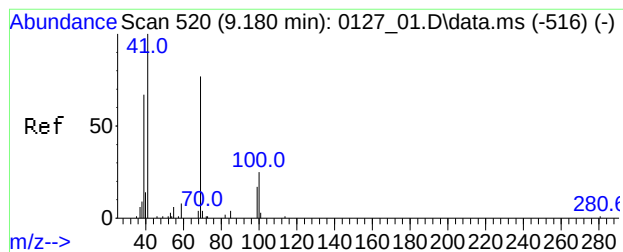
Tgt Ion: 130 Resp: 1650
Ion Ratio Lower Upper
130 100
132 99.5 77.9 116.9
97 90.6 48.3 72.5#



#40
2,2,4-trimethylpentane
Conc: 8\$ 0.482 ppbv
RT: 9.116 min Scan# 687
Delta R.T. 0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

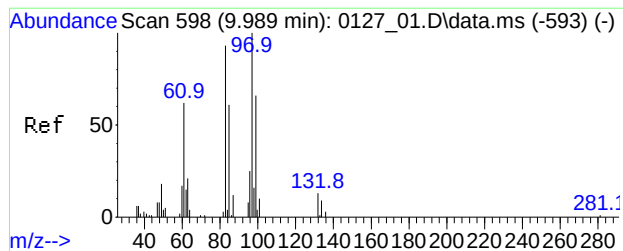
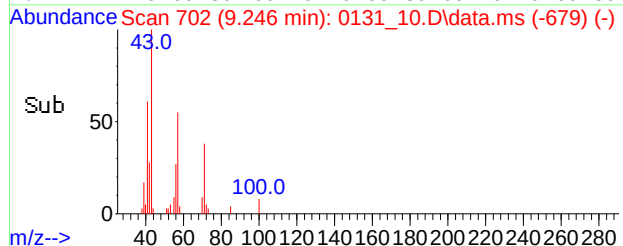
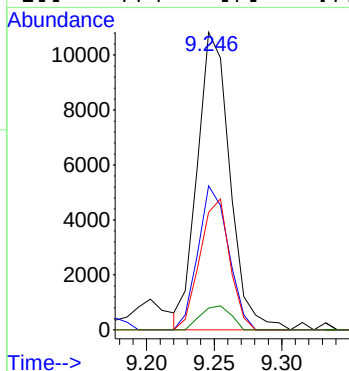
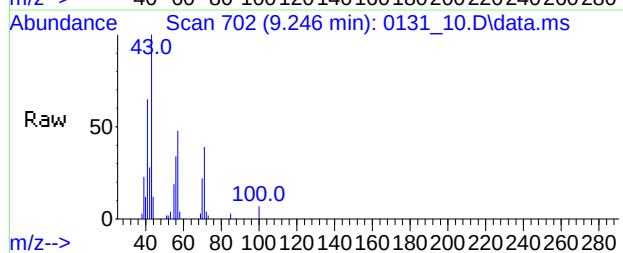
Tgt Ion: 57 Resp: 67723
Ion Ratio Lower Upper
57 100
56 39.9 22.9 34.3#
43 24.5 17.0 25.4





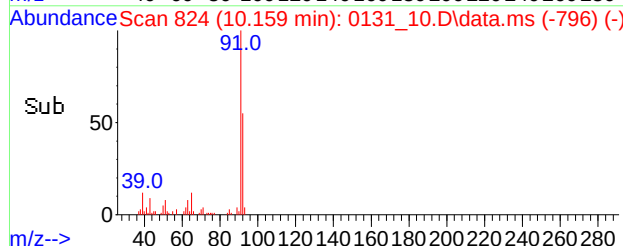
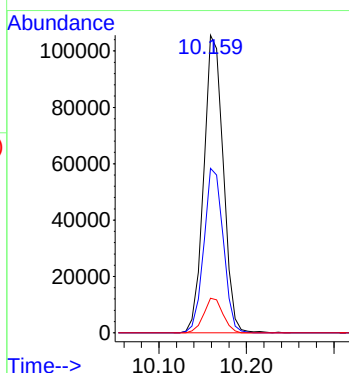
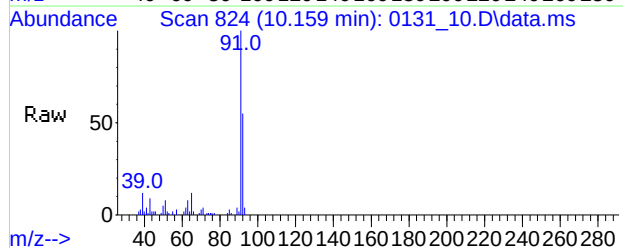
#43
Heptane
Conc: 8\$ 0.321 ppbv
RT: 9.246 min Scan# 702
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

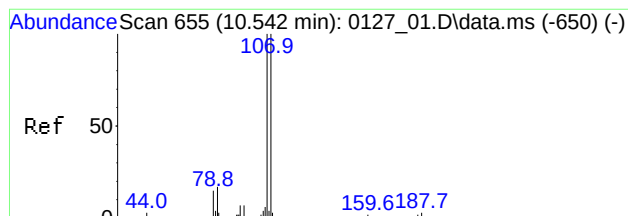
Tgt Ion: 43	Resp: 18168
Ion Ratio	Lower Upper
43 100	
57 45.1	42.4 63.6
71 40.1	29.4 44.0
100 7.4	6.5 9.7



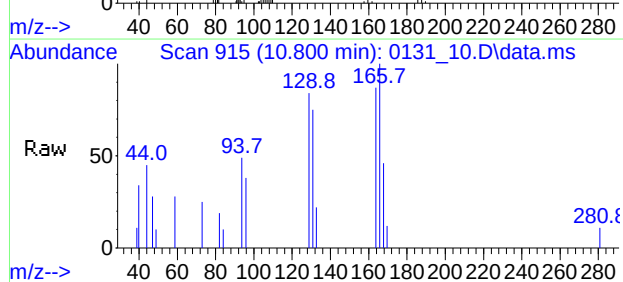
#48
Toluene
Conc: 8\$ 1.469 ppbv
RT: 10.159 min Scan# 824
Delta R.T. 0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

Tgt Ion: 91	Resp: 163233
Ion Ratio	Lower Upper
91 100	
92 54.9	45.0 67.4
65 11.5	9.4 14.2

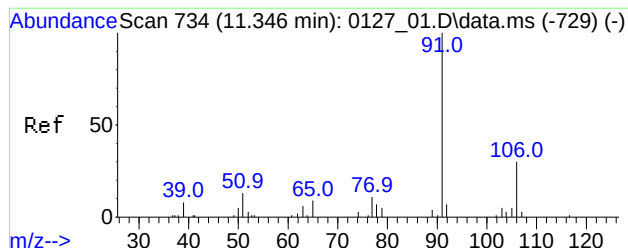
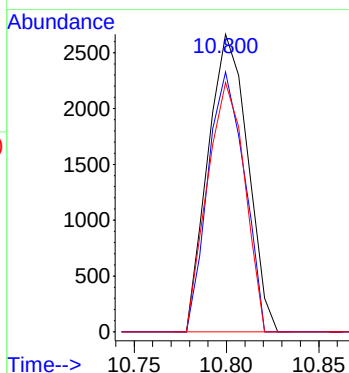
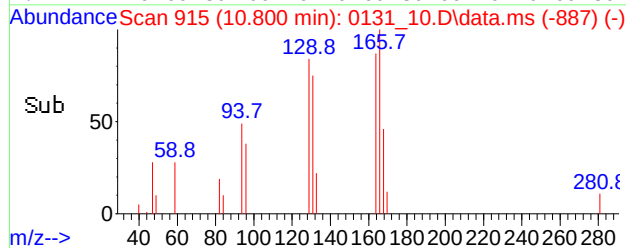




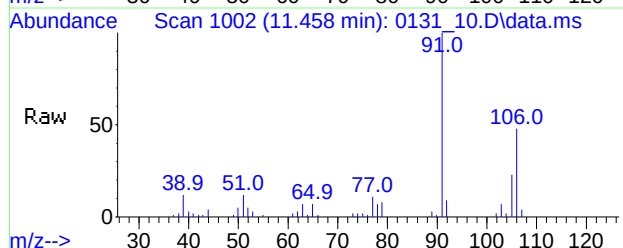
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.800 min Scan# 915
Delta R.T. 0.001 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm



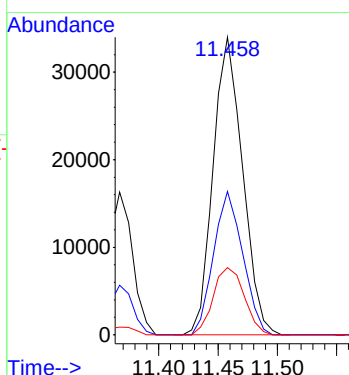
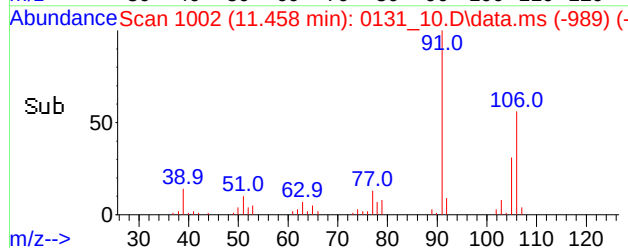
Tgt Ion: 166 Resp: 3994
Ion Ratio Lower Upper
166 100
164 80.0 64.7 97.1
129 78.7 62.2 93.2

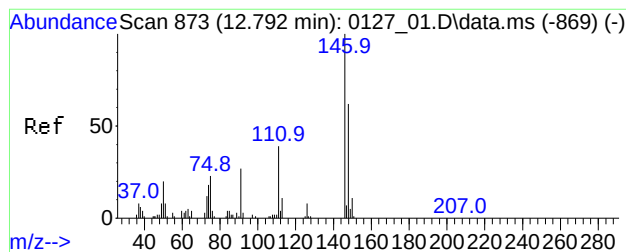


#57
m,p-Xylene
Conc: 8\$ 0.583 ppbv
RT: 11.458 min Scan# 1002
Delta R.T. 0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm



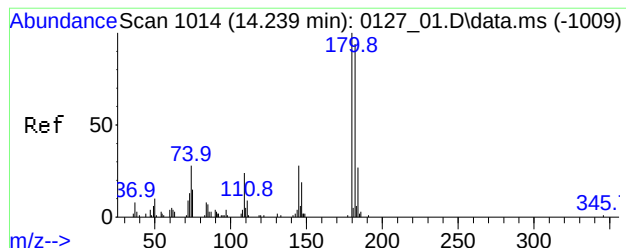
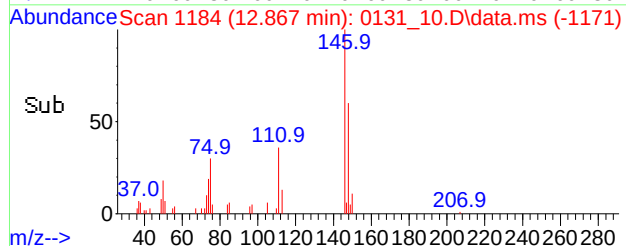
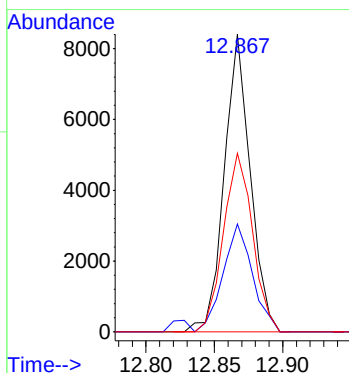
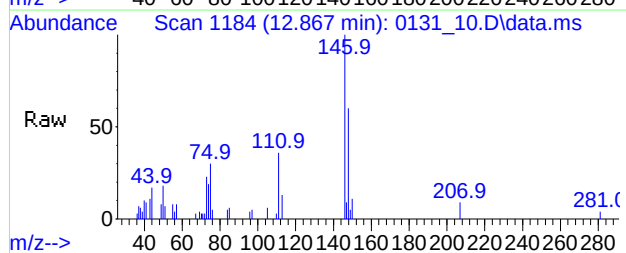
Tgt Ion: 91 Resp: 58483
Ion Ratio Lower Upper
91 100
106 47.8 41.1 61.7
105 23.8 19.5 29.3





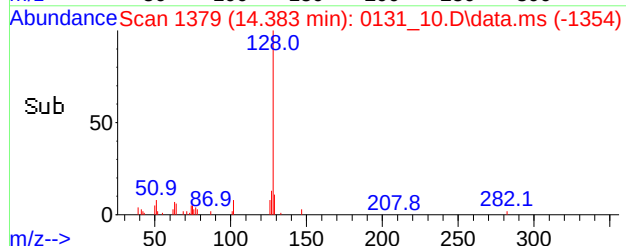
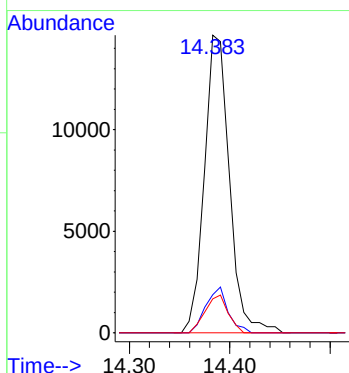
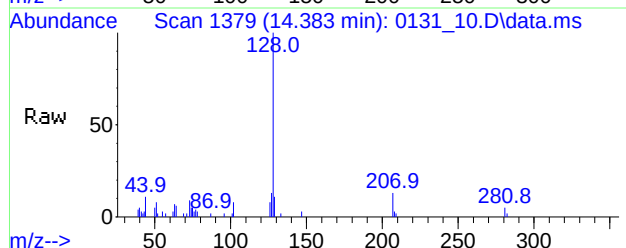
#72
1,4-Dichlorobenzene
Conc: 8\$ 0.166 ppbv
RT: 12.867 min Scan# 1184
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

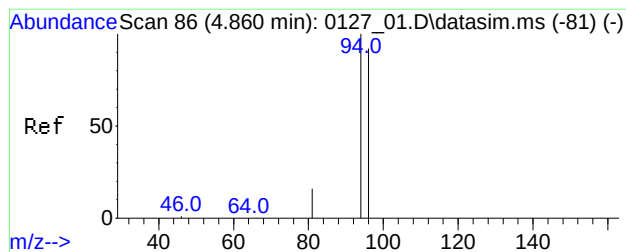
Tgt Ion: 146 Resp: 11149
Ion Ratio Lower Upper
146 100
111 41.0 29.7 44.5
148 67.1 51.3 76.9



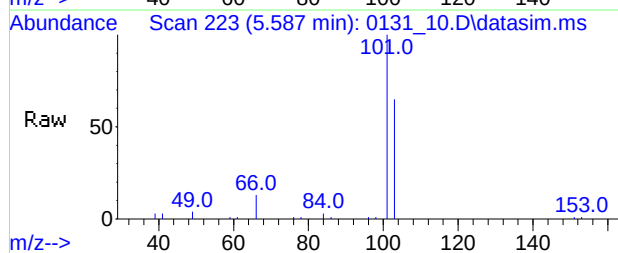
#78
Naphthalene
Conc: 8\$ 0.273 ppbv
RT: 14.383 min Scan# 1379
Delta R.T. -0.008 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

Tgt Ion: 128 Resp: 25469
Ion Ratio Lower Upper
128 100
127 13.6 11.9 11.9#
129 11.6 8.7 13.1

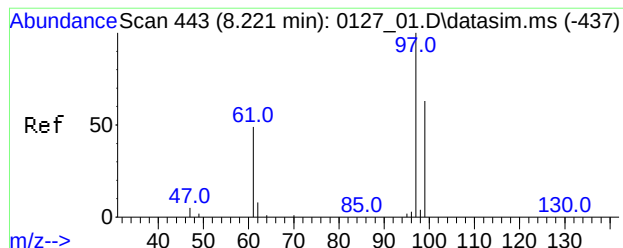
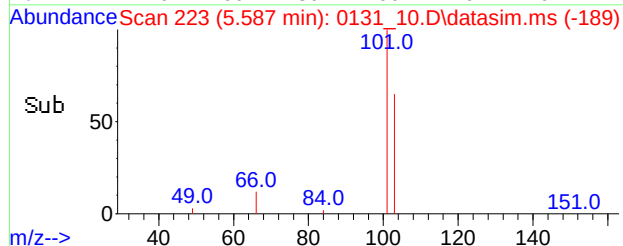
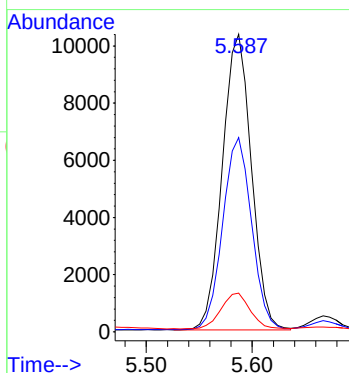




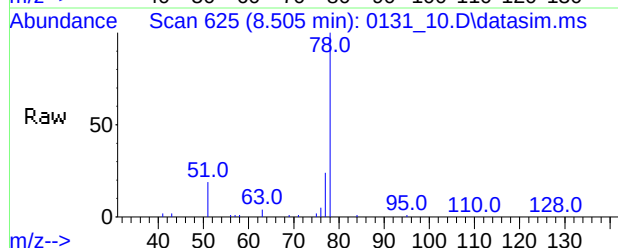
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.216 ppbv
RT: 5.587 min Scan# 223
Delta R.T. 0.006 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm



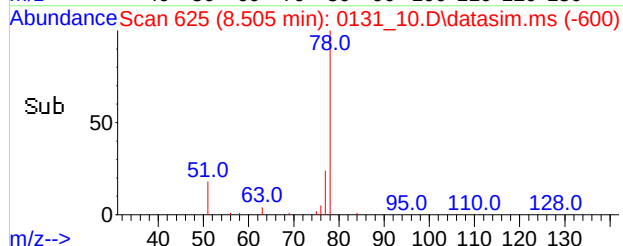
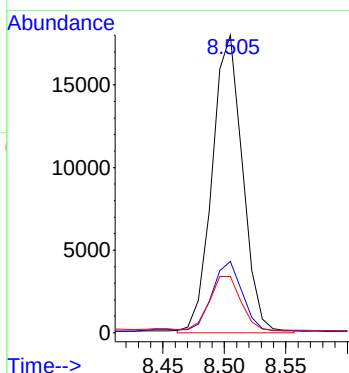
Tgt Ion: 101 Resp: 19752
Ion Ratio Lower Upper
101 100
103 64.6 52.4 78.6
66 13.6 11.4 11.4#

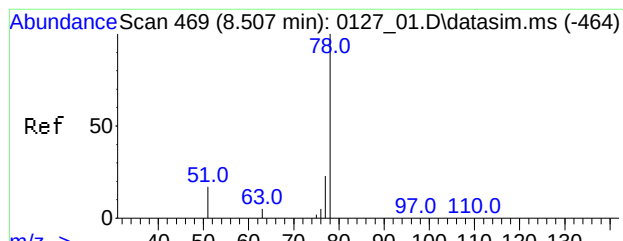


#87
Benzene(sim)
Conc: 8\$ 0.314 ppbv
RT: 8.502 min Scan# 625
Delta R.T. 0.006 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

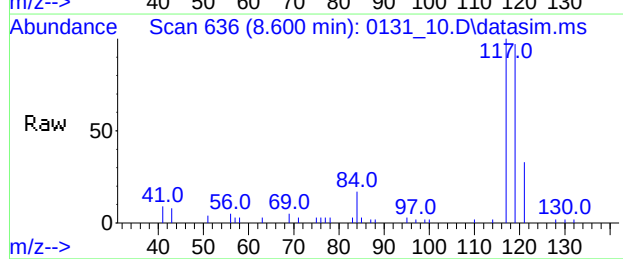


Tgt Ion: 78 Resp: 29262
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2
51 20.0 18.1 27.1

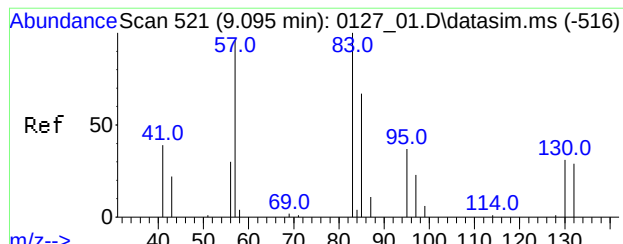
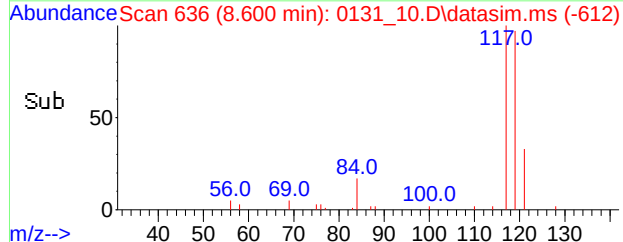
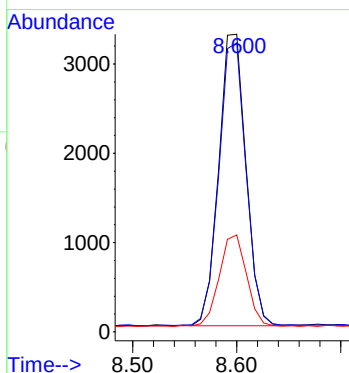




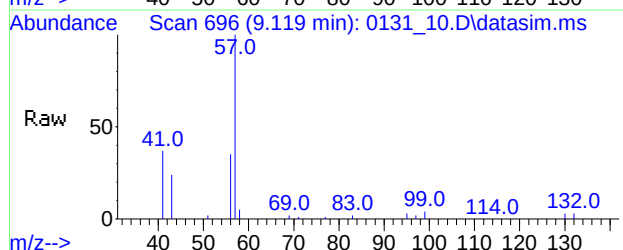
#88
Carbon Tetrachloride(sim)
Conc: 8\$ 0.083 ppbv
RT: 8.600 min Scan# 636
Delta R.T. 0.009 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm



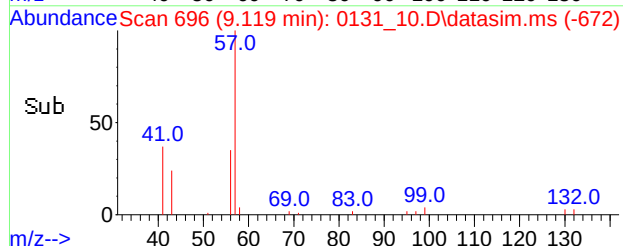
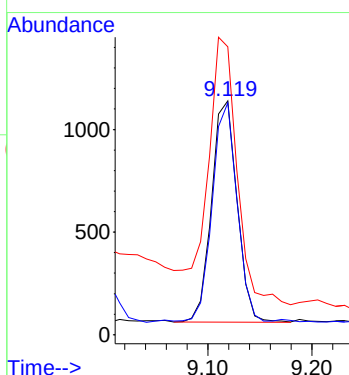
Tgt Ion:117 Resp: 5911
Ion Ratio Lower Upper
117 100
119 96.5 77.4 116.2
121 31.3 24.9 37.3

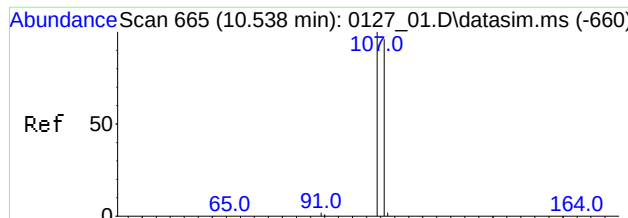


#98
Trichloroethene(sim)
Conc: 8\$ 0.038 ppbv
RT: 9.119 min Scan# 696
Delta R.T. 0.009 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

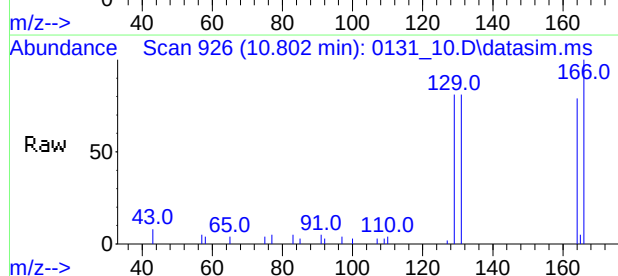


Tgt Ion:130 Resp: 1832
Ion Ratio Lower Upper
130 100
132 96.9 77.5 116.3
95 136.4 73.8 110.6#

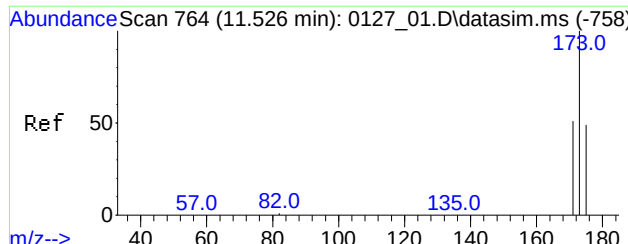
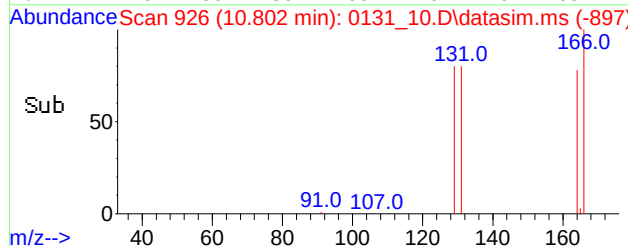
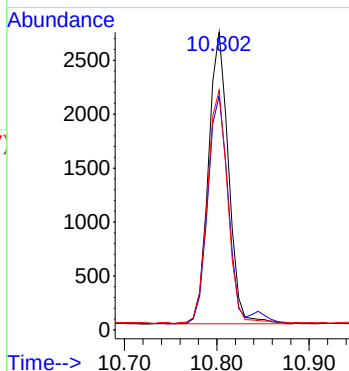




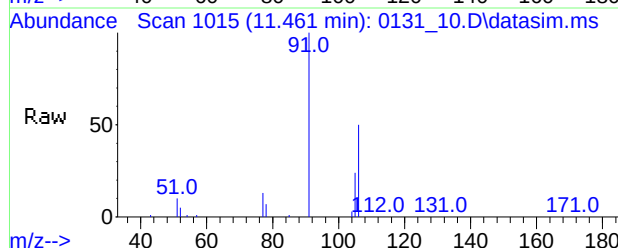
#104
Tetrachloroethene(sim)
Conc: 8\$ 0.056 ppbv
RT: 10.802 min Scan# 926
Delta R.T. 0.007 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm



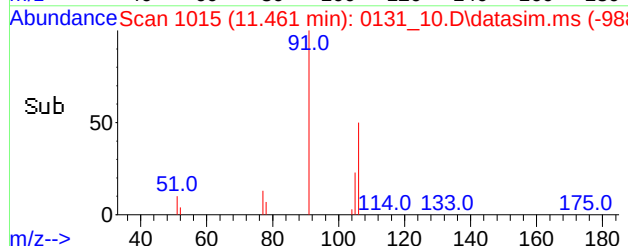
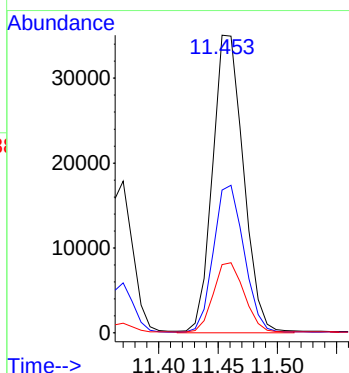
Tgt Ion: 166 Resp: 4081
Ion Ratio Lower Upper
166 100
164 79.5 58.0 98.0
129 81.0 58.0 98.0

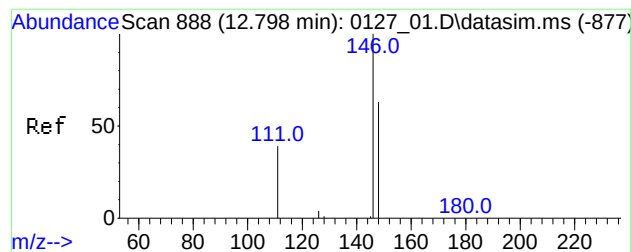


#107
m,p-Xylene(sim)
Conc: 8\$ 0.481 ppbv
RT: 11.458 min Scan# 1015
Delta R.T. 0.005 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 7:31 pm

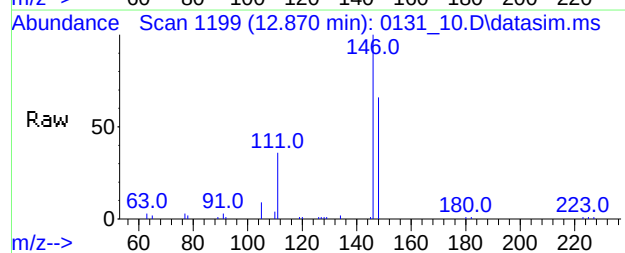


Tgt Ion: 91 Resp: 58483
Ion Ratio Lower Upper
91 100
106 47.8 46.3 56.5
105 23.8 19.5 29.3

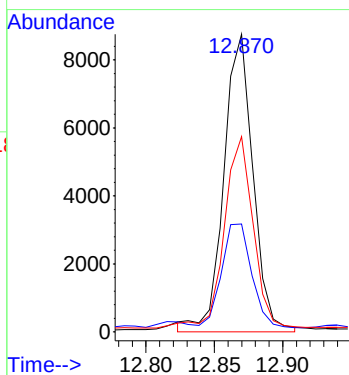
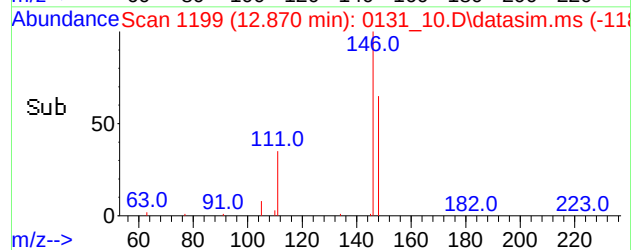




#113
 1,4-Dichlorobenzene(sim)
 Conc: 8\$ 0.198 ppbv
 RT: 12.867 min Scan# 1199
 Delta R.T. 0.005 min
 Lab File: 0131_10.D
 Acq: 31 Jan 2025 7:31 pm



Tgt Ion:146 Resp: 11027
 Ion Ratio Lower Upper
 146 100
 111 41.4 17.1 57.1
 148 67.9 44.1 84.1



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	IA-F
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55370</u>	
Canister:	<u>19165</u>	Lab File ID:	<u>0131_12.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>01/31/25</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.495		0.202	0.202	r
74-87-3	Chloromethane	0.660		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	45.7	ES	0.531	0.531	r
67-64-1	Acetone	13.8	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.219		0.178	0.178	r
67-63-0	Isopropylalcohol	6.79	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.909		0.339	0.339	r
110-54-3	Hexane	0.598	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.456		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.620		0.339	0.339	r
71-43-2	Benzene	0.340		0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.559		0.215	0.215	r
142-82-5	Heptane	0.328		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	1.66		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.604		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
106-46-7	1,4-Dichlorobenzene	0.178		0.166	0.166	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55370</u>
Canister:	<u>19165</u>	Lab File ID:	<u>0131_12.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>01/31/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.086		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.042		0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.054		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\01JAN\31\
 Data File : 0131_12.D
 Acq On : 31 Jan 2025 8:52 pm
 Operator : Keith
 Client ID : IA-F
 Lab ID : CS55370
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 01 11:07:10 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

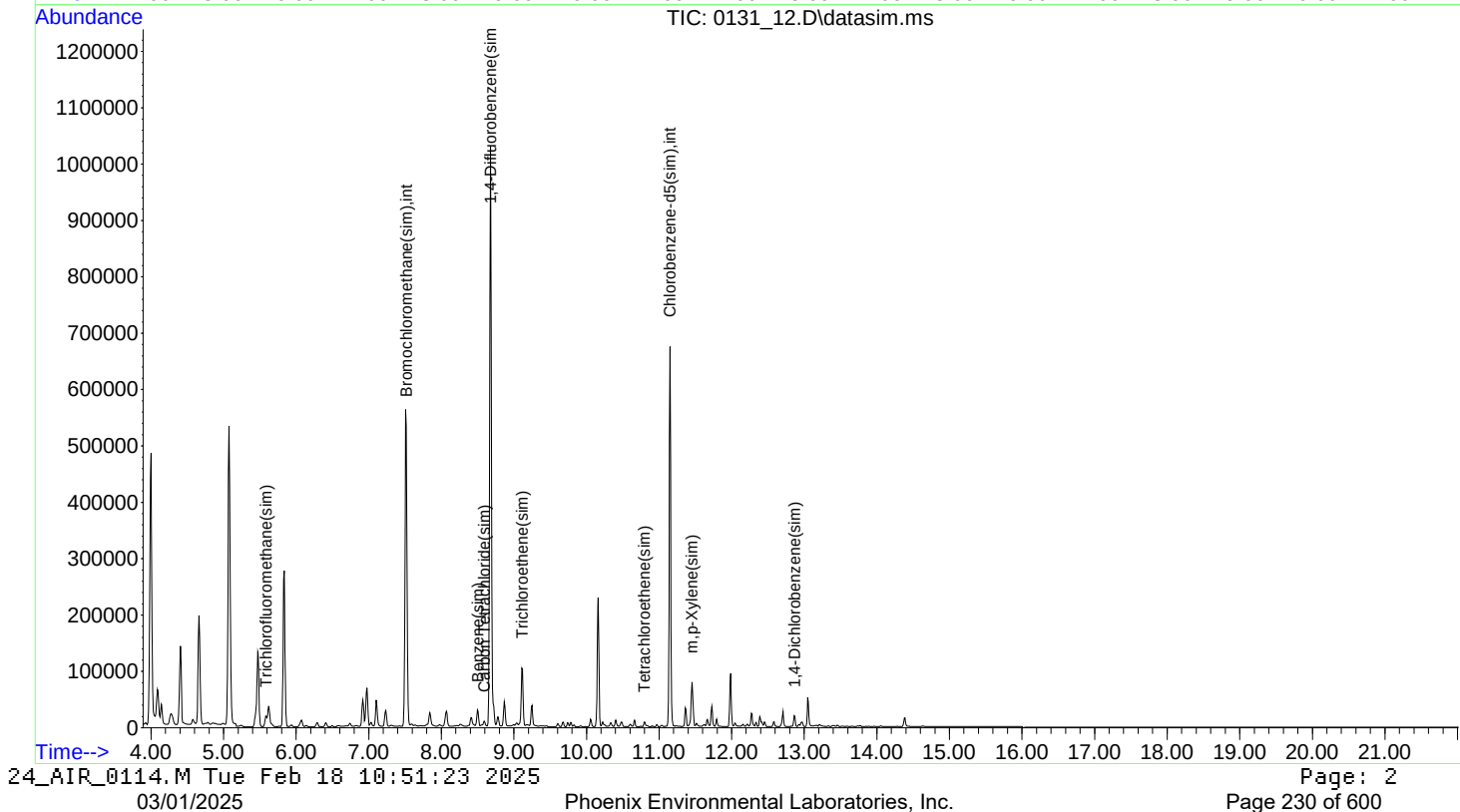
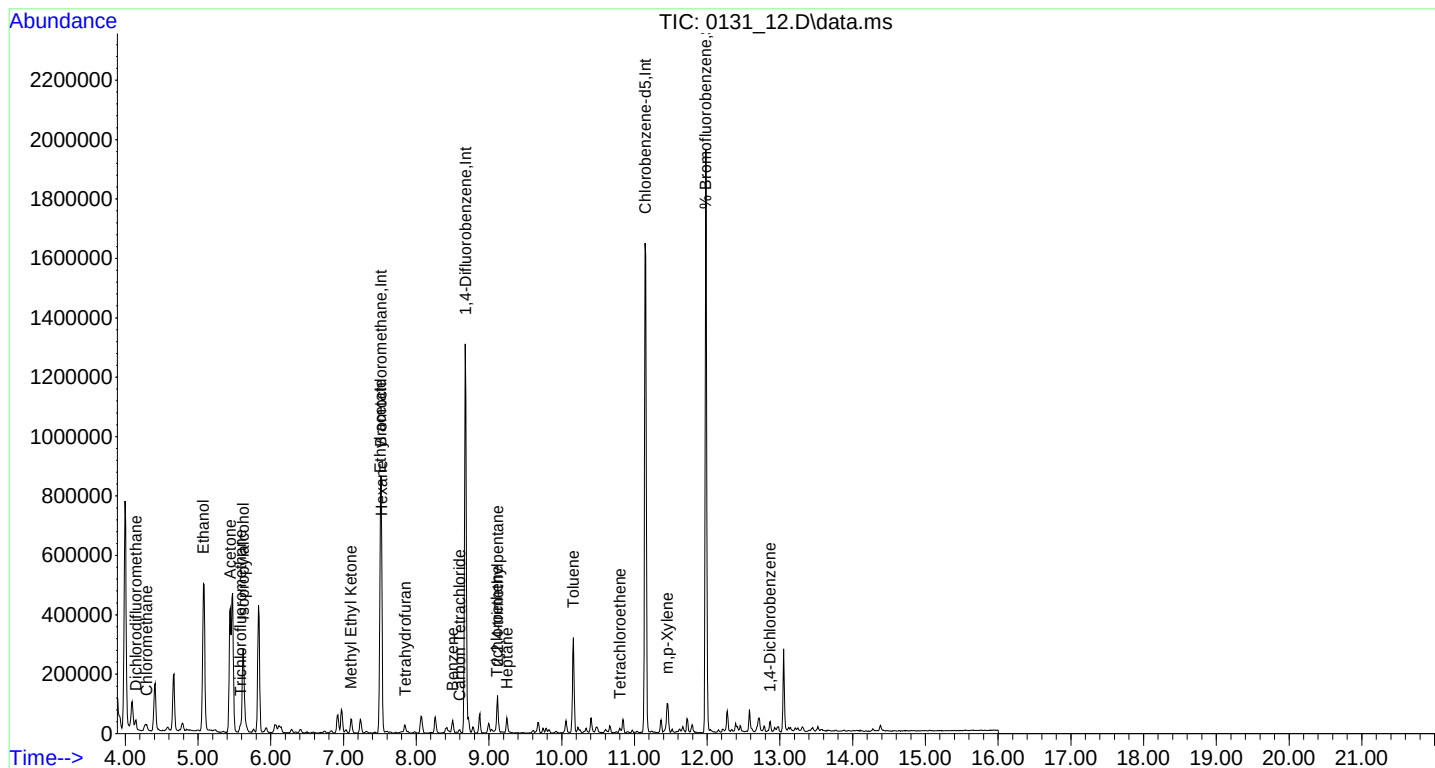
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	265707	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	906705	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	441922	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	262173	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	906705	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	441922	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	550712	10.209	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.10%
Target Compounds						Qvalue
3) Dichlorodifluoromethane	4.145	85	39926	0.495	ppbv	96
4) Chloromethane	4.294	50	19399	0.660	ppbv	99
11) Ethanol	5.074	45	665790	45.666	ppbv	93
12) Acetone	5.443	43	682146	13.787	ppbv#	82
13) Trichlorofluoromethane	5.584	101	18855	0.219	ppbv	98
14) Isopropylalcohol	5.621	45	389058	6.786	ppbv#	90
25) Methyl Ethyl Ketone	7.102	43	57406	0.909	ppbv	96
27) Hexane	7.523	57	25115	0.598	ppbv#	77
29) Ethyl acetate	7.507	61	4470	0.456	ppbv#	87
30) Tetrahydrofuran	7.848	42	18468	0.620	ppbv	99
33) Benzene	8.502	78	29463	0.340	ppbv	96
34) Carbon Tetrachloride	8.597	117	5550	0.077	ppbv	92
39) Trichloroethene	9.107	130	1863	0.043	ppbv#	83
40) 2,2,4-trimethylpentane	9.116	57	76214	0.559	ppbv#	84
43) Heptane	9.246	43	18013	0.328	ppbv#	90
48) Toluene	10.159	91	179258	1.663	ppbv	99
52) Tetrachloroethene	10.799	166	3785	0.063	ppbv	98
57) m,p-Xylene	11.450	91	59973	0.604	ppbv	96
72) 1,4-Dichlorobenzene	12.867	146	11789	0.177	ppbv	97
84] Trichlorofluoromethane...	5.581	101	19698	0.220	ppbv#	98
87] Benzene(sim)	8.502	78	29463	0.324	ppbv	96
88] Carbon Tetrachloride(sim)	8.591	117	5981	0.086	ppbv	99
98] Trichloroethene(sim)	9.110	130	2002	0.042	ppbv	91
104] Tetrachloroethene(sim)	10.795	166	3814	0.054	ppbv	98
107] m,p-Xylene(sim)	11.450	91	59973	0.498	ppbv	96
113] 1,4-Dichlorobenzene(sim)	12.867	146	11789	0.214	ppbv	97

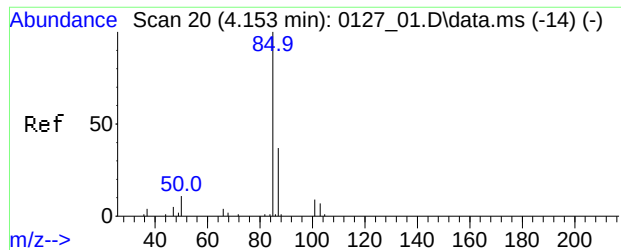
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\31\
Data File : 0131_12.D
Acq On : 31 Jan 2025 8:52 pm
Operator : Keith
Client ID : IA-F
Lab ID : CS55370
ALS Vial : 13 Sample Multiplier: 1

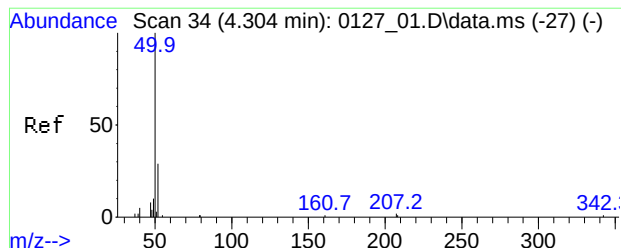
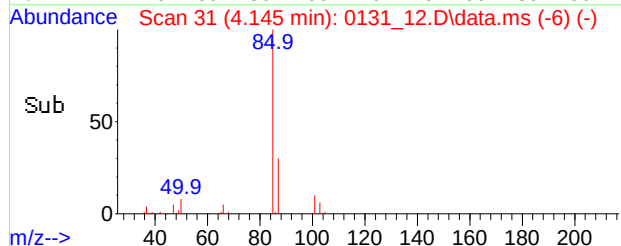
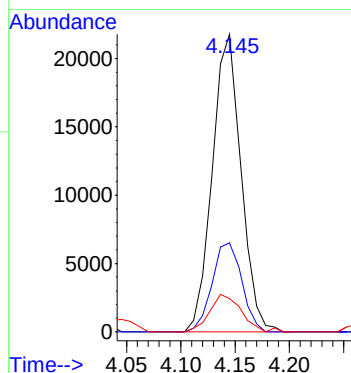
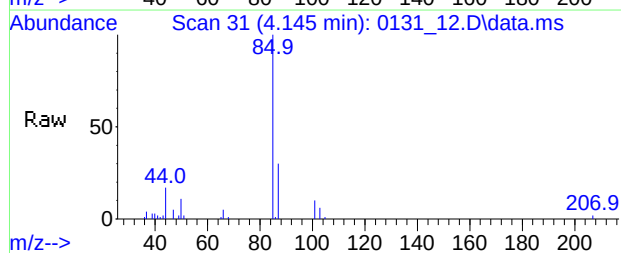
Quant Time: Feb 01 11:07:10 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 24 09:47:42 2025
Response via : Initial Calibration





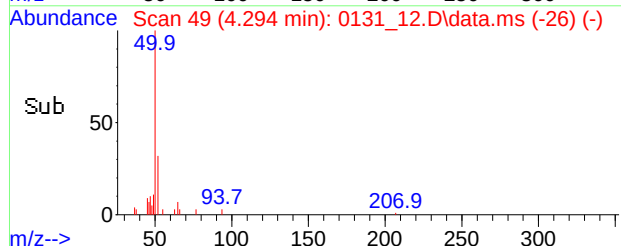
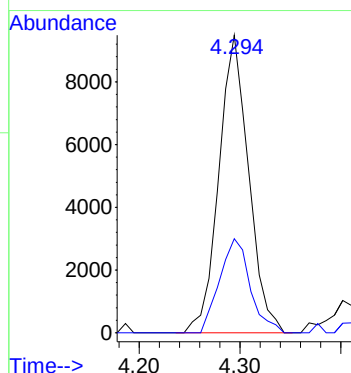
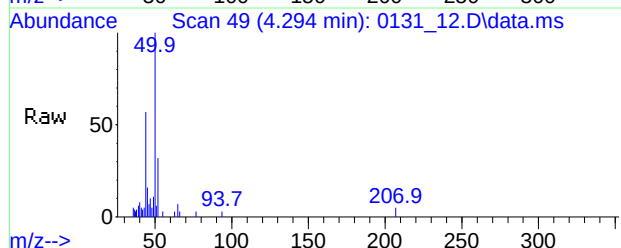
#3
Dichlorodifluoromethane
Conc: 8\$ 0.495 ppbv
RT: 4.145 min Scan# 31
Delta R.T. 0.008 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

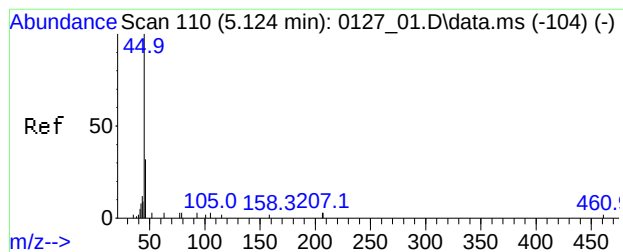
Tgt Ion: 85 Resp: 39926
Ion Ratio Lower Upper
85 100
87 30.9 26.9 40.3
50 14.0 12.0 18.0



#4
Chloromethane
Conc: 8\$ 0.660 ppbv
RT: 4.294 min Scan# 49
Delta R.T. -0.008 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

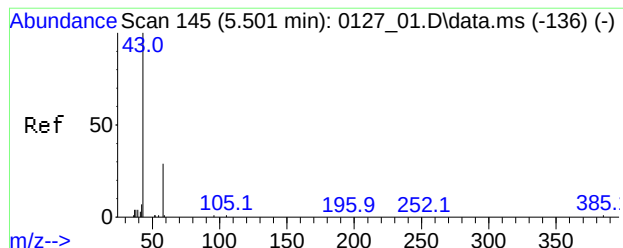
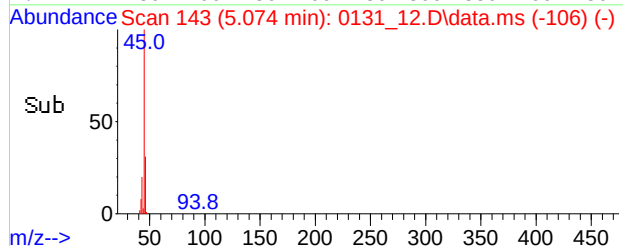
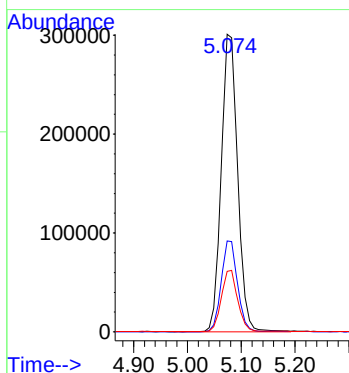
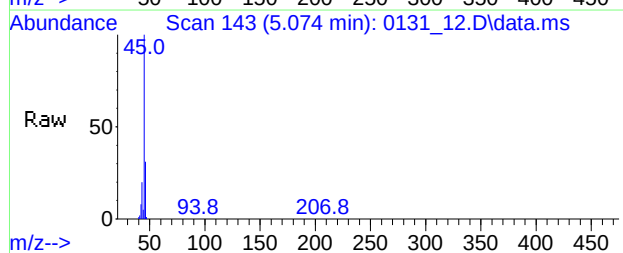
Tgt Ion: 50 Resp: 19399
Ion Ratio Lower Upper
50 100
52 32.5 12.8 52.8





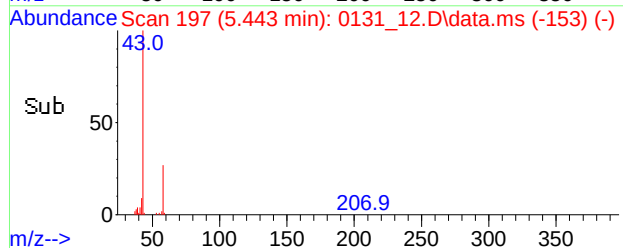
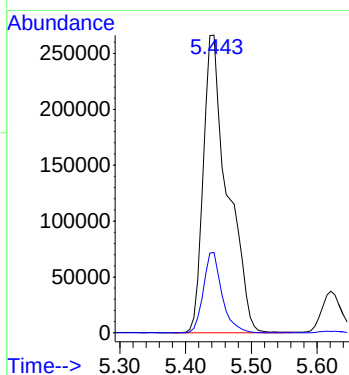
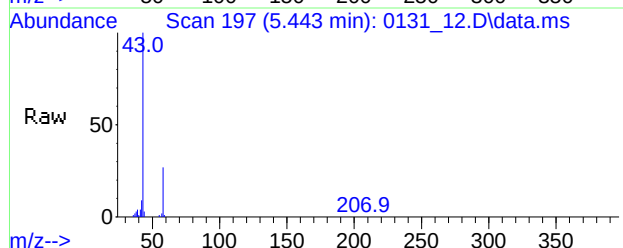
#11
Ethanol
Conc: 8\$ 45.666 ppbv
RT: 5.074 min Scan# 143
Delta R.T. 0.009 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

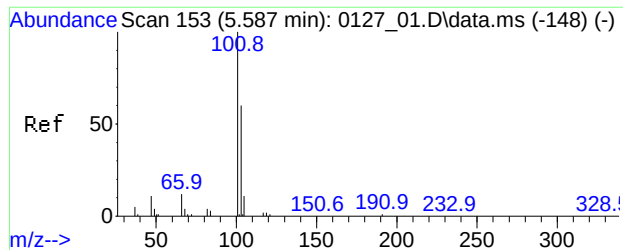
Tgt Ion: 45 Resp: 665790
Ion Ratio Lower Upper
45 100
46 28.2 25.0 37.6
43 20.2 20.0 30.0



#12
Acetone
Conc: 8\$ 13.787 ppbv
RT: 5.443 min Scan# 197
Delta R.T. -0.012 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

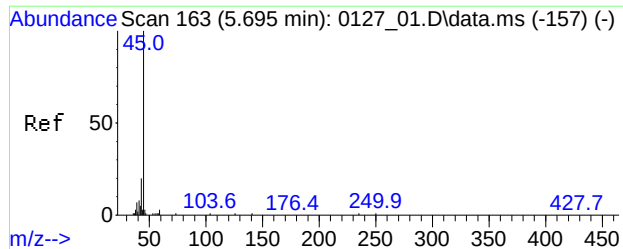
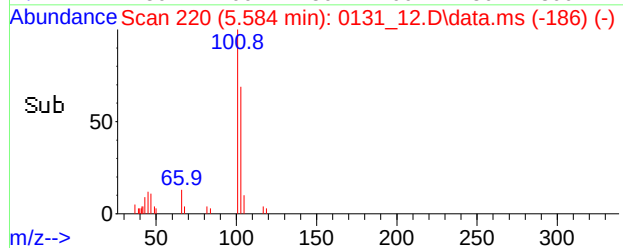
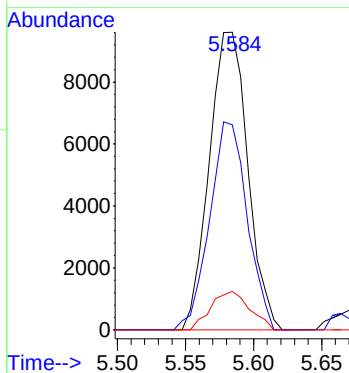
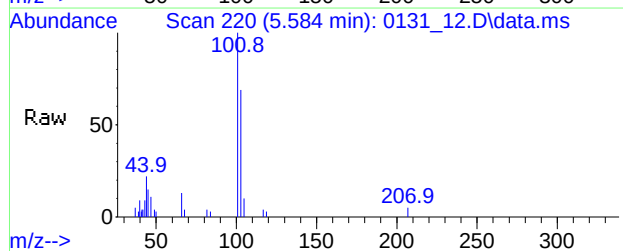
Tgt Ion: 43 Resp: 682146
Ion Ratio Lower Upper
43 100
58 20.8 24.6 37.0#





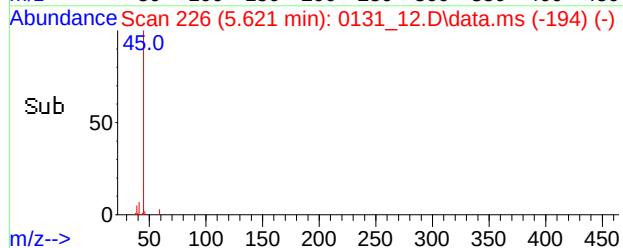
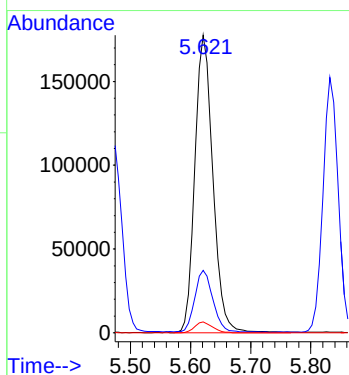
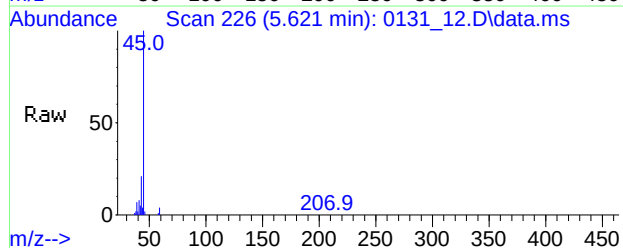
#13
Trichlorofluoromethane
Conc: 8\$ 0.219 ppbv
RT: 5.584 min Scan# 220
Delta R.T. 0.006 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

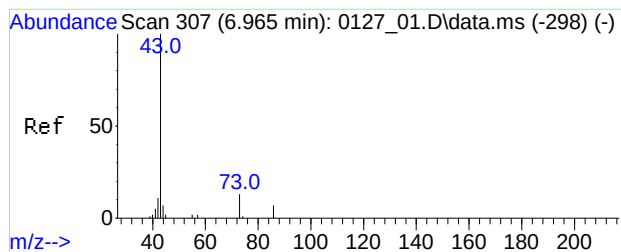
Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.9	53.4	80.2
66	13.1	9.3	13.9



#14
Isopropylalcohol
Conc: 8\$ 6.786 ppbv
RT: 5.621 min Scan# 226
Delta R.T. -0.006 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

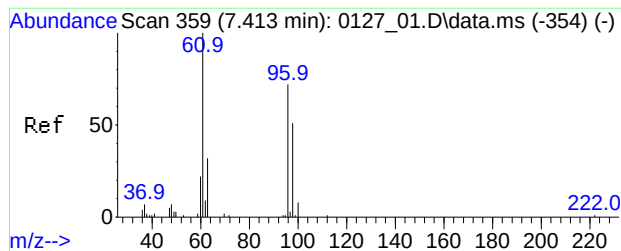
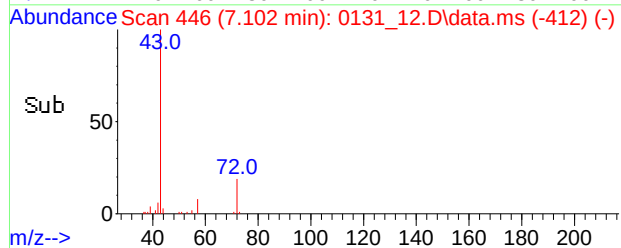
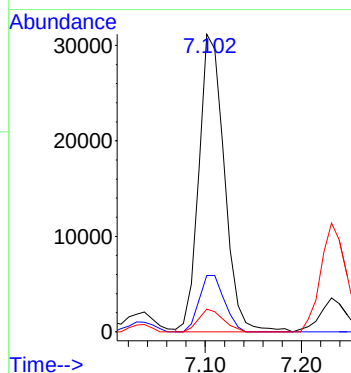
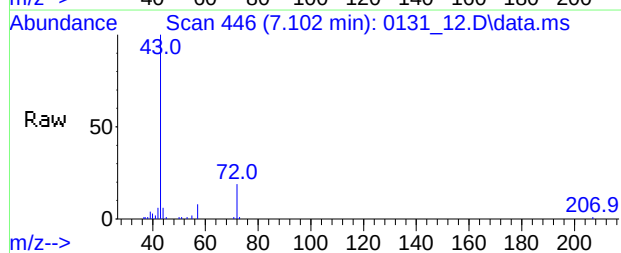
Tgt Ion	Ratio	Lower	Upper
45	100		
43	21.5	13.3	19.9#
59	3.4	2.6	4.0





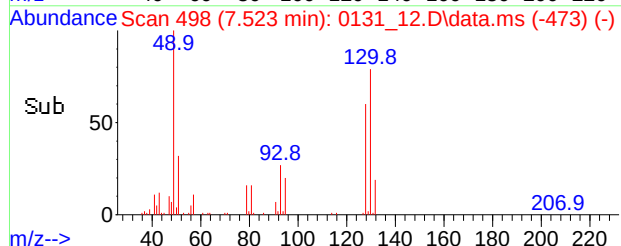
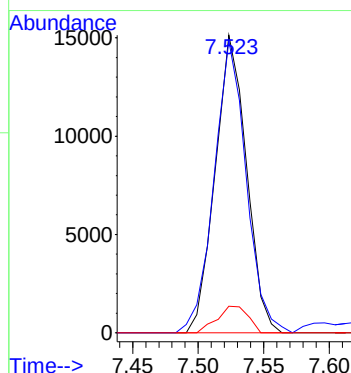
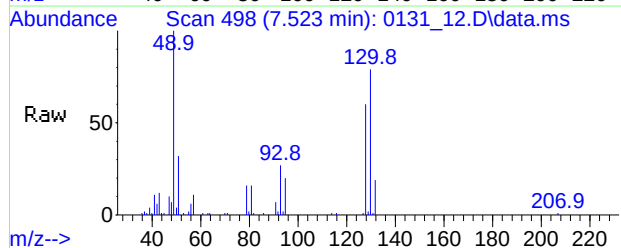
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.909 ppbv
RT: 7.102 min Scan# 446
Delta R.T. -0.024 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

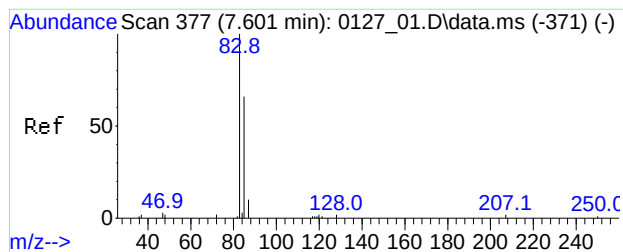
Tgt Ion: 43 Resp: 57406
Ion Ratio Lower Upper
43 100
72 18.7 13.1 19.7
57 7.4 6.6 9.8



#27
Hexane
Conc: 8\$ 0.598 ppbv
RT: 7.523 min Scan# 498
Delta R.T. 0.000 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

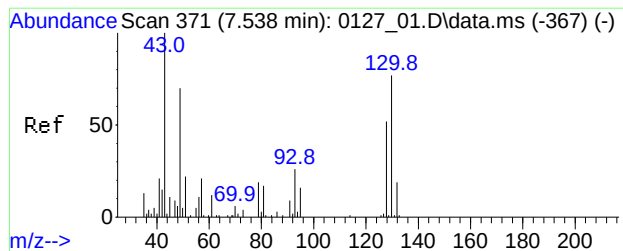
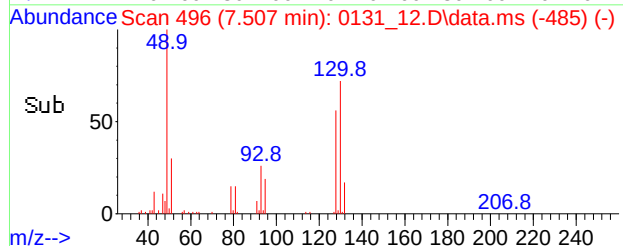
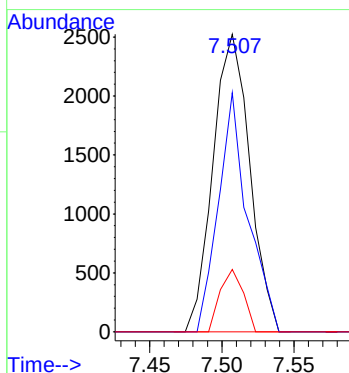
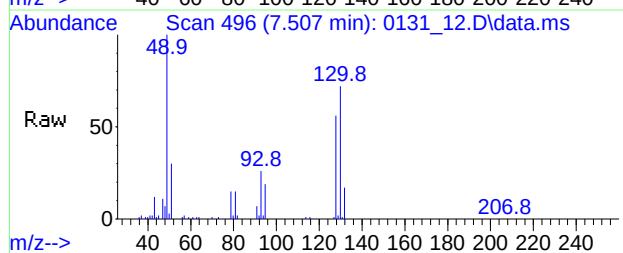
Tgt Ion: 57 Resp: 25115
Ion Ratio Lower Upper
57 100
41 100.5 63.4 95.2#
86 8.9 5.8 8.6#





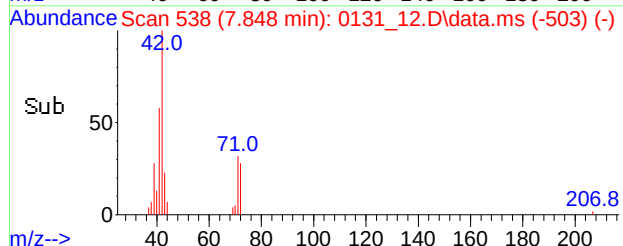
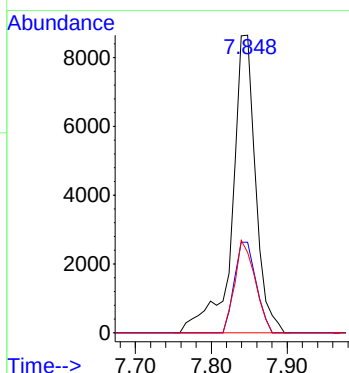
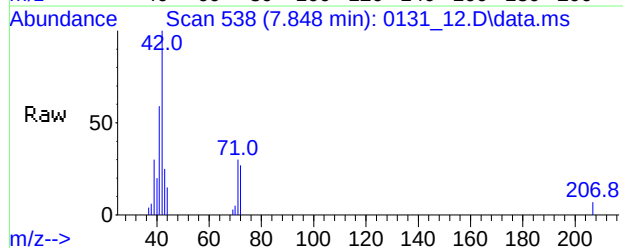
#29
Ethyl acetate
Conc: 8\$ 0.456 ppbv
RT: 7.507 min Scan# 496
Delta R.T. -0.008 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

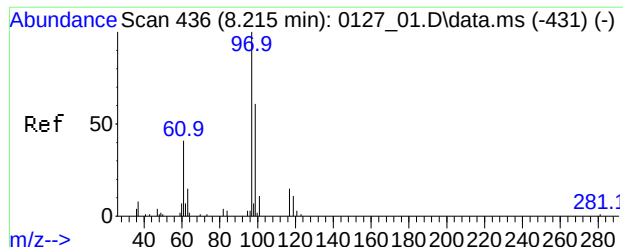
Tgt Ion: 61 Resp: 4470
Ion Ratio Lower Upper
61 100
70 64.5 42.9 64.3#
88 13.2 10.0 15.0



#30
Tetrahydrofuran
Conc: 8\$ 0.620 ppbv
RT: 7.848 min Scan# 538
Delta R.T. -0.016 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

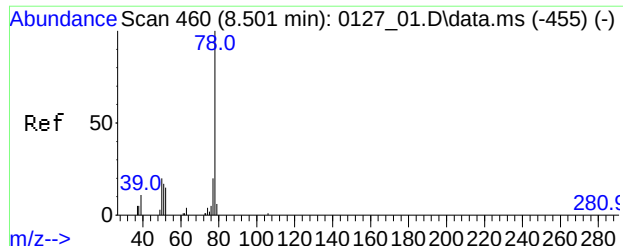
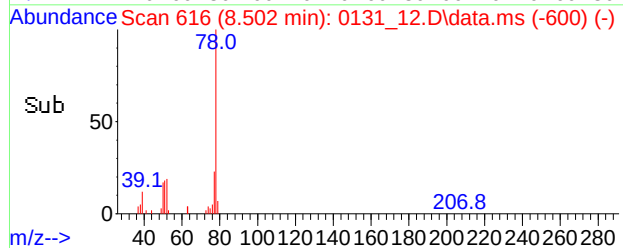
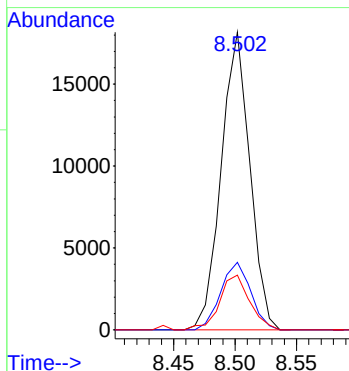
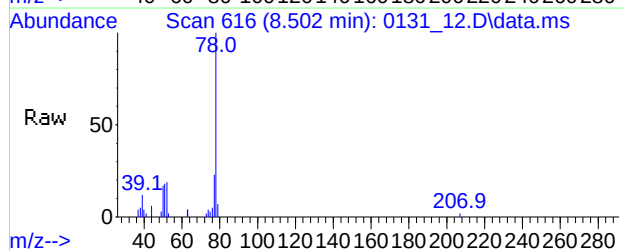
Tgt Ion: 42 Resp: 18468
Ion Ratio Lower Upper
42 100
71 28.3 23.5 35.3
72 27.0 21.5 32.3





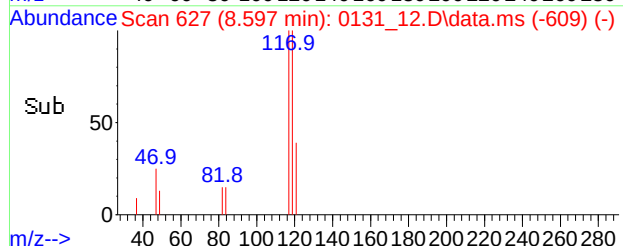
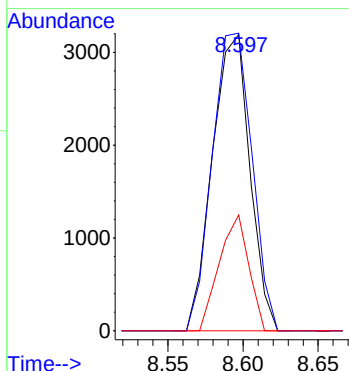
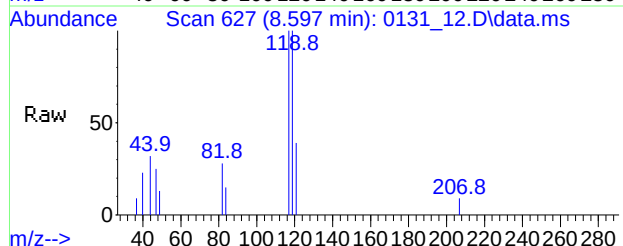
#33
Benzene
Conc: 8\$ 0.340 ppbv
RT: 8.502 min Scan# 616
Delta R.T. -0.000 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

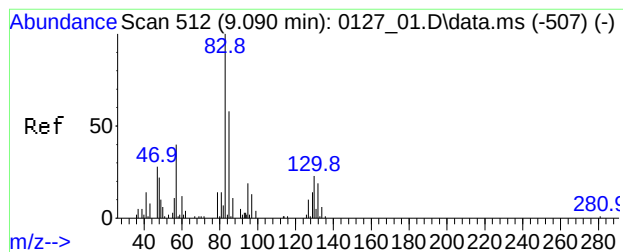
Tgt Ion: 78 Resp: 29463
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2
51 19.4 18.1 27.1



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.597 min Scan# 627
Delta R.T. 0.009 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

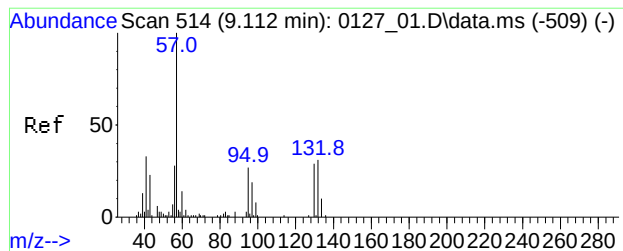
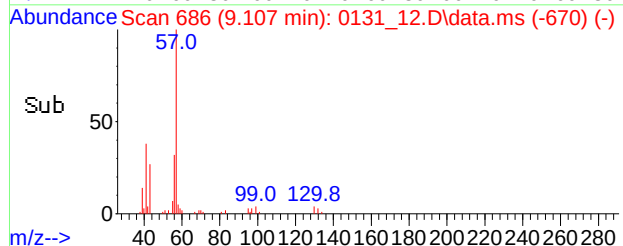
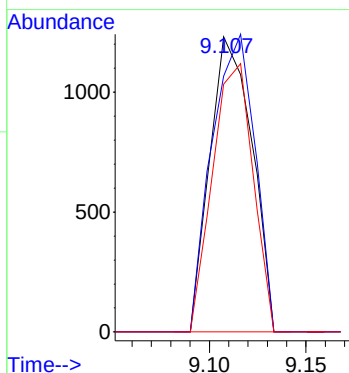
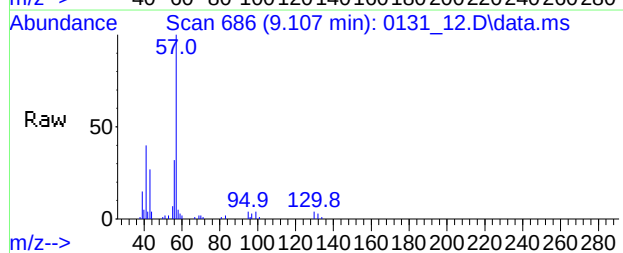
Tgt Ion: 117 Resp: 5550
Ion Ratio Lower Upper
117 100
119 106.4 76.5 116.5
121 30.6 11.2 51.2





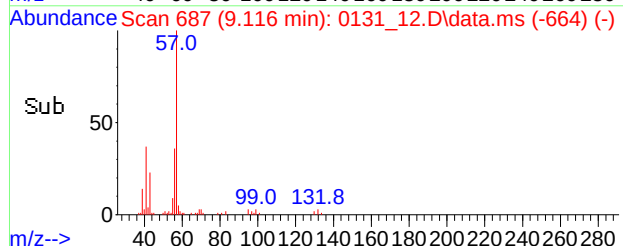
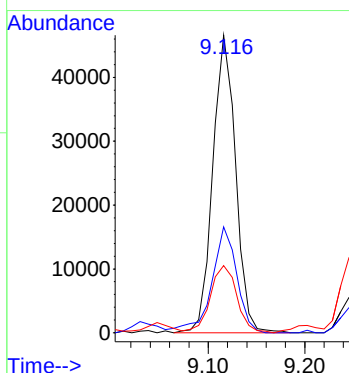
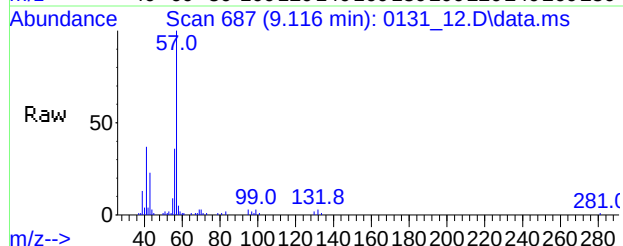
#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 9.107 min Scan# 686
Delta R.T. -0.009 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

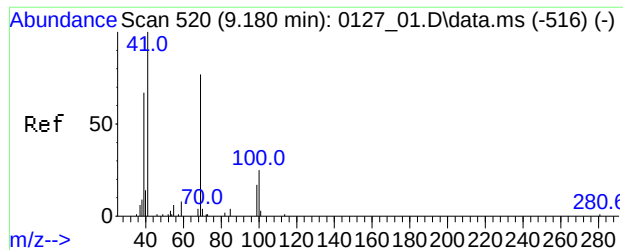
Tgt Ion: 130 Resp: 1863
Ion Ratio Lower Upper
130 100
132 102.6 77.9 116.9
97 87.5 48.3 72.5#



#40
2,2,4-trimethylpentane
Conc: 8\$ 0.559 ppbv
RT: 9.116 min Scan# 687
Delta R.T. 0.000 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

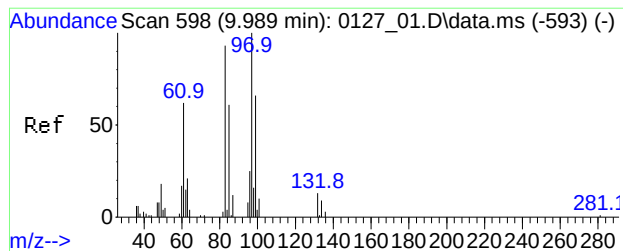
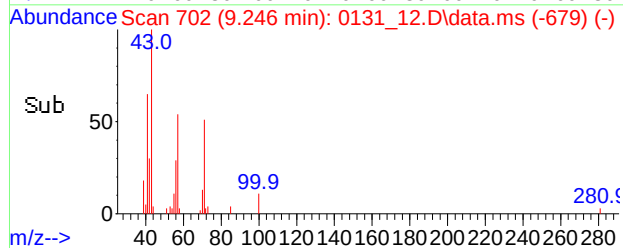
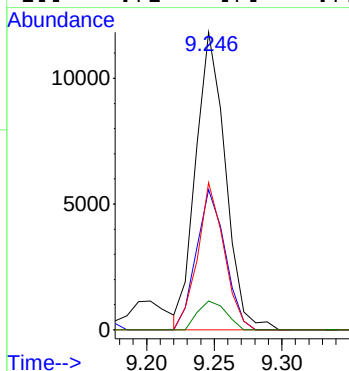
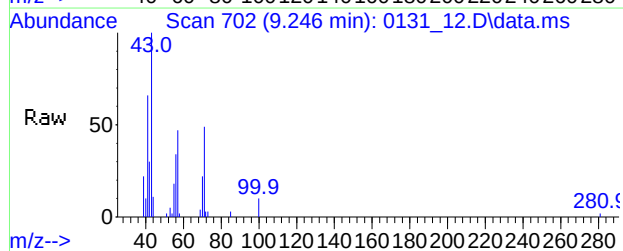
Tgt Ion: 57 Resp: 76214
Ion Ratio Lower Upper
57 100
56 39.1 22.9 34.3#
43 26.3 17.0 25.4#





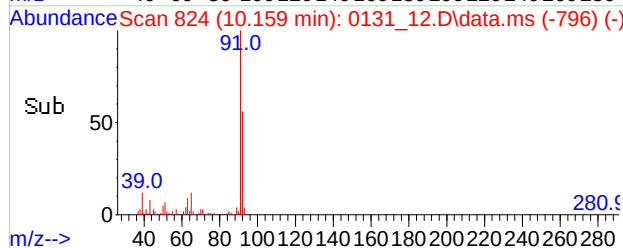
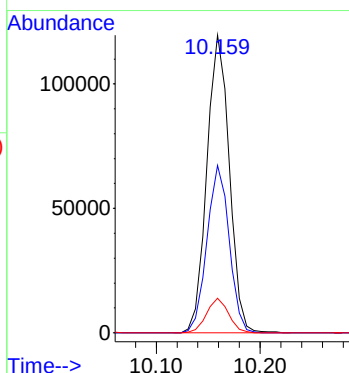
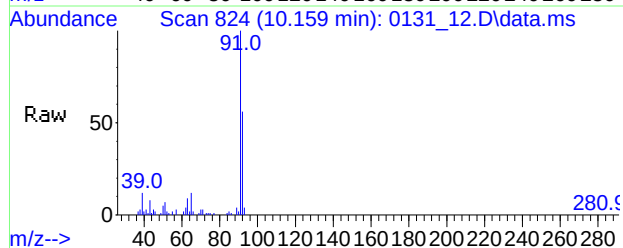
#43
Heptane
Conc: 8\$ 0.328 ppbv
RT: 9.246 min Scan# 702
Delta R.T. -0.000 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

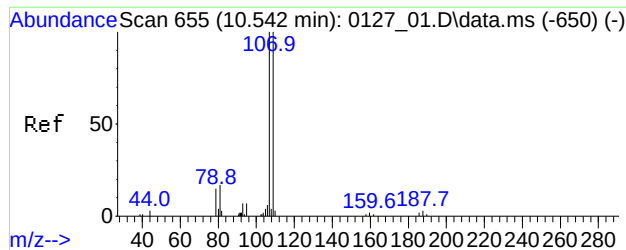
Tgt Ion:	43	Resp:	18013
Ion	Ratio	Lower	Upper
43	100		
57	45.7	42.4	63.6
71	44.1	29.4	44.0#
100	9.2	6.5	9.7



#48
Toluene
Conc: 8\$ 1.663 ppbv
RT: 10.159 min Scan# 824
Delta R.T. -0.000 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

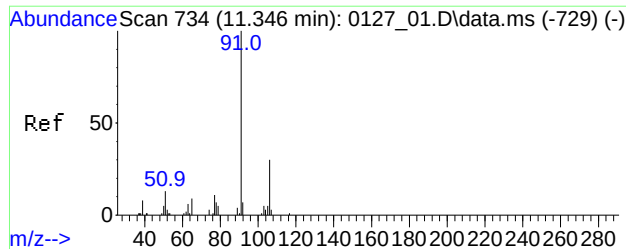
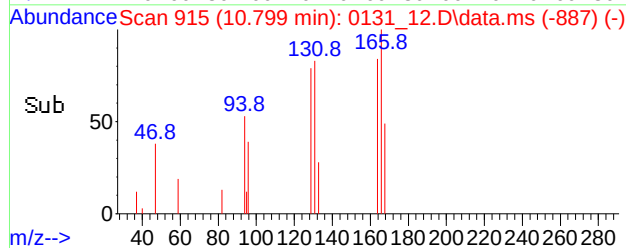
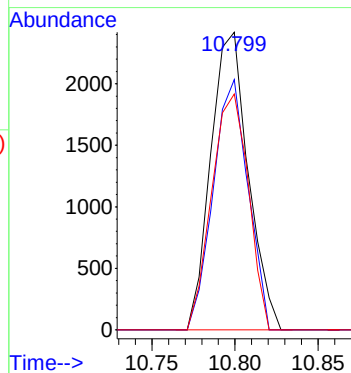
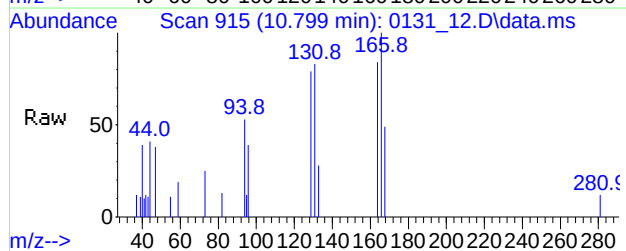
Tgt Ion:	91	Resp:	179258
Ion	Ratio	Lower	Upper
91	100		
92	55.5	45.0	67.4
65	11.4	9.4	14.2





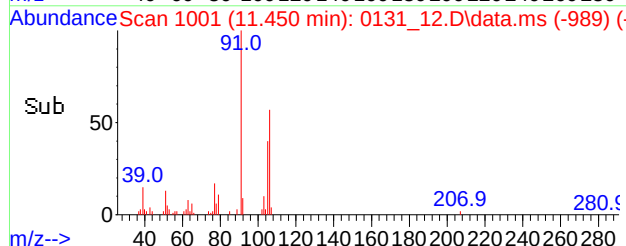
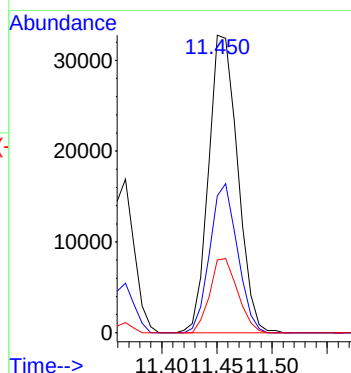
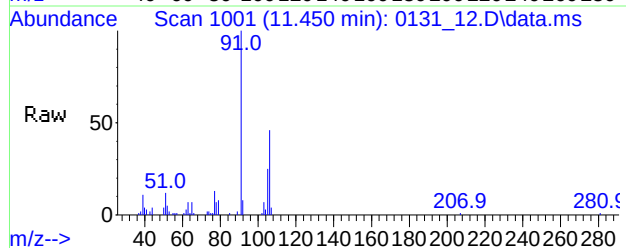
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.799 min Scan# 915
Delta R.T. 0.000 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

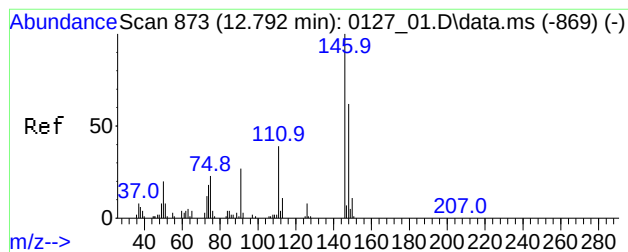
Tgt Ion	Ratio	Lower	Upper
166	100		
164	78.4	64.7	97.1
129	77.6	62.2	93.2



#57
m,p-Xylene
Conc: 8\$ 0.604 ppbv
RT: 11.450 min Scan# 1001
Delta R.T. -0.008 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

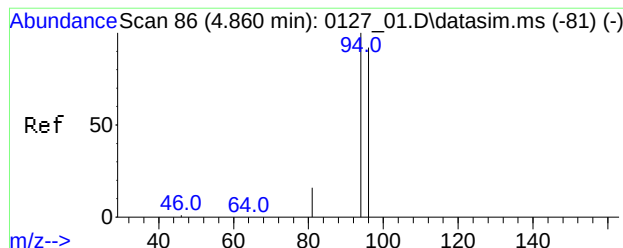
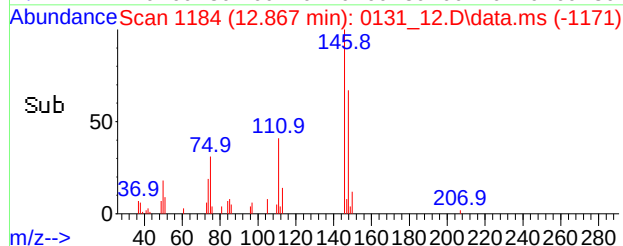
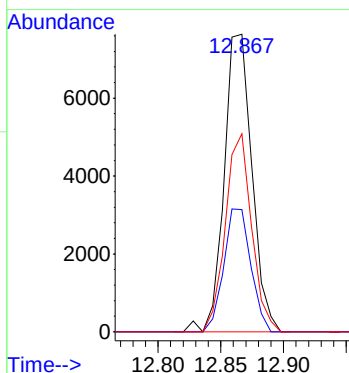
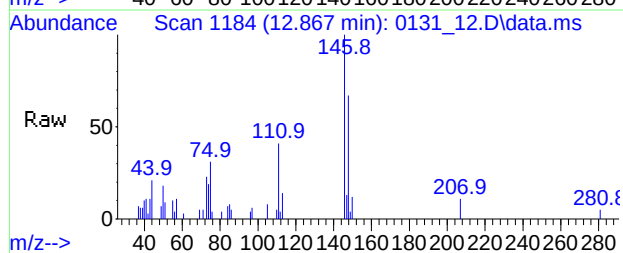
Tgt Ion	Ratio	Lower	Upper
91	100		
106	47.7	41.1	61.7
105	23.9	19.5	29.3





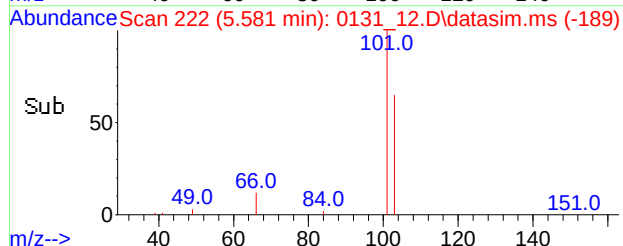
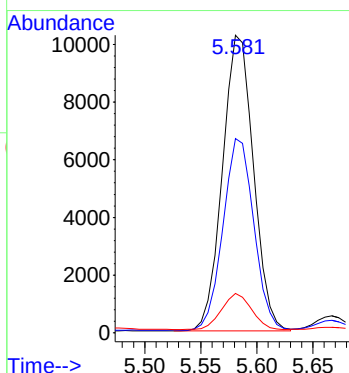
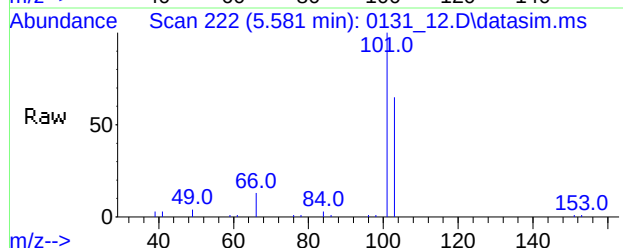
#72
1,4-Dichlorobenzene
Conc: 8\$ 0.177 ppbv
RT: 12.867 min Scan# 1184
Delta R.T. -0.000 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

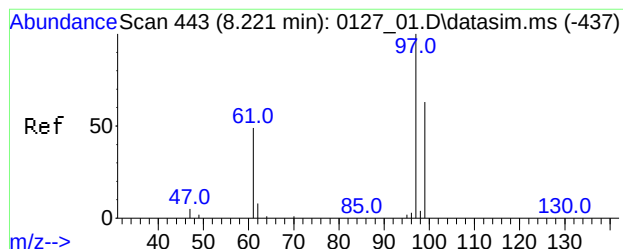
Tgt Ion: 146 Resp: 11789
Ion Ratio Lower Upper
146 100
111 40.2 29.7 44.5
148 62.9 51.3 76.9



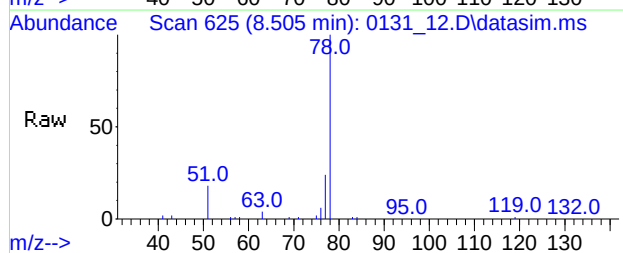
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.220 ppbv
RT: 5.581 min Scan# 222
Delta R.T. -0.000 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

Tgt Ion: 101 Resp: 19698
Ion Ratio Lower Upper
101 100
103 64.6 52.4 78.6
66 13.2 11.4 11.4#

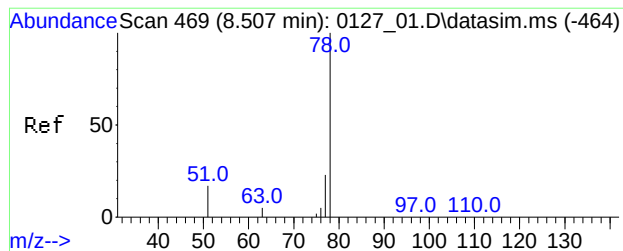
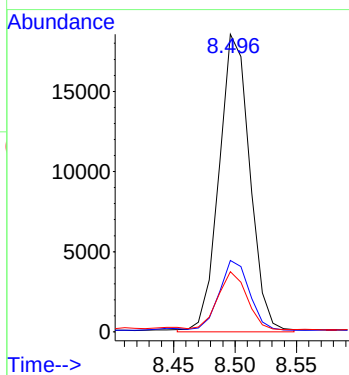
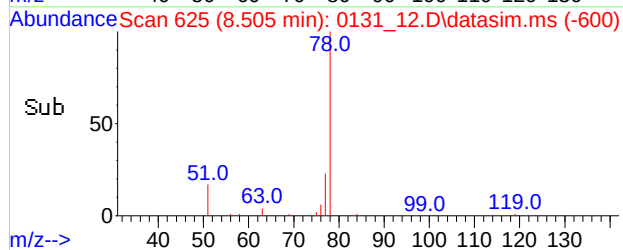




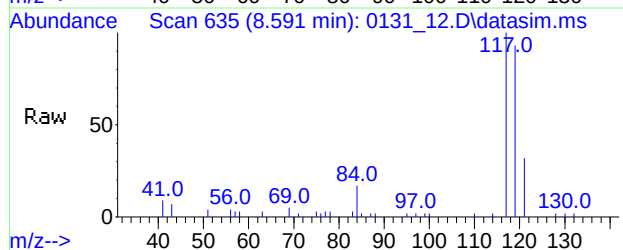
#87
Benzene(sim)
Conc: 8\$ 0.324 ppbv
RT: 8.502 min Scan# 625
Delta R.T. 0.006 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm



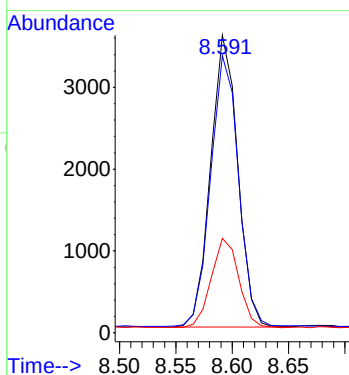
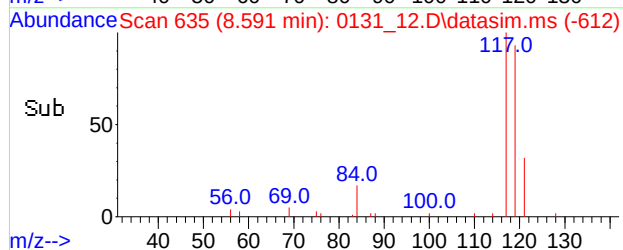
Tgt Ion: 78 Resp: 29463
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2
51 19.4 18.1 27.1

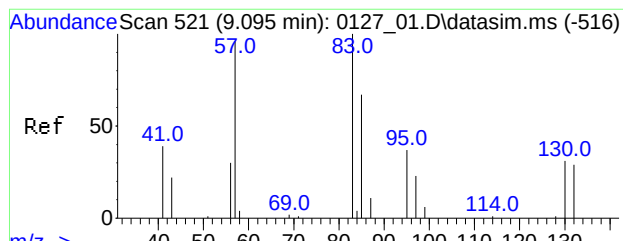


#88
Carbon Tetrachloride(sim)
Conc: 8\$ 0.086 ppbv
RT: 8.591 min Scan# 635
Delta R.T. 0.000 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm



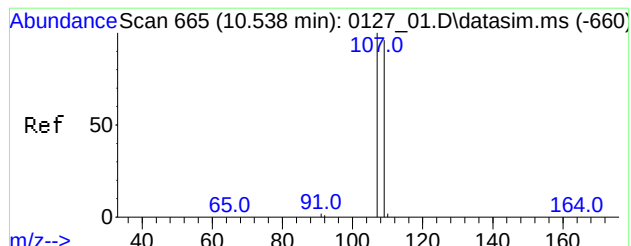
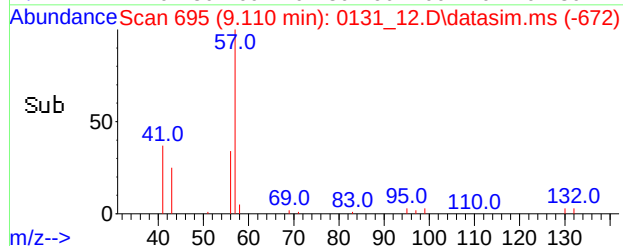
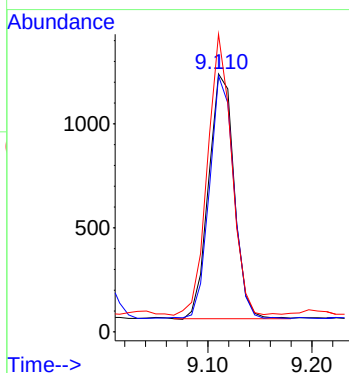
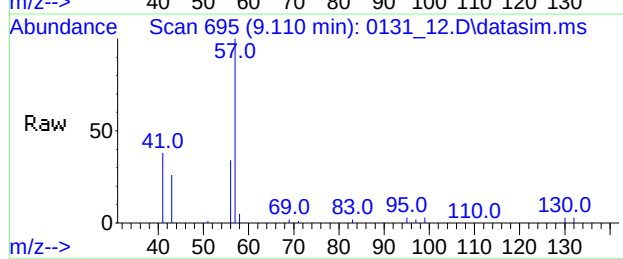
Tgt Ion: 117 Resp: 5981
Ion Ratio Lower Upper
117 100
119 95.5 77.4 116.2
121 30.9 24.9 37.3





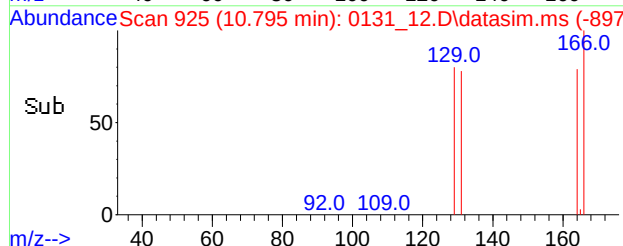
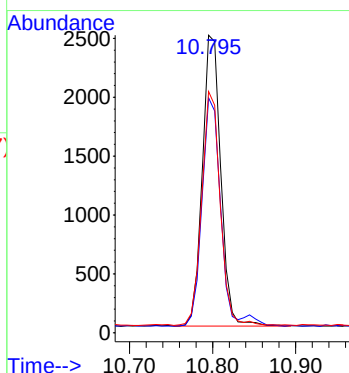
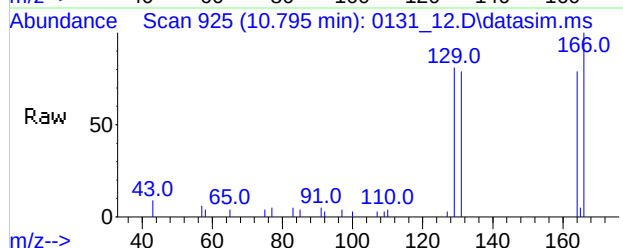
#98
Trichloroethene(sim)
Conc: 8\$ 0.042 ppbv
RT: 9.110 min Scan# 695
Delta R.T. 0.000 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

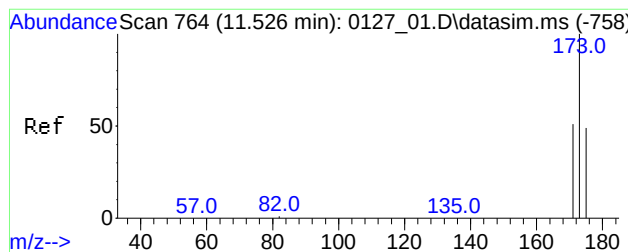
Tgt Ion:130 Resp: 2002
Ion Ratio Lower Upper
130 100
132 94.8 77.5 116.3
95 108.2 73.8 110.6



#104
Tetrachloroethene(sim)
Conc: 8\$ 0.054 ppbv
RT: 10.795 min Scan# 925
Delta R.T. 0.000 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

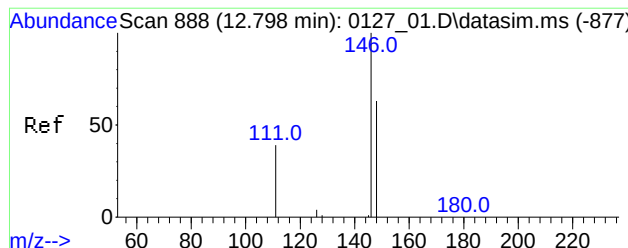
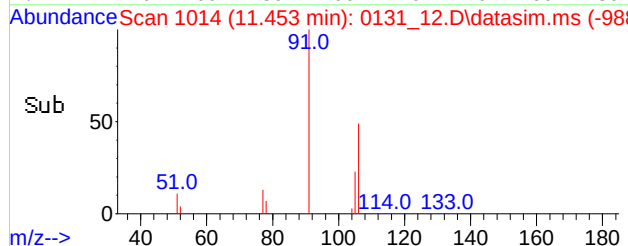
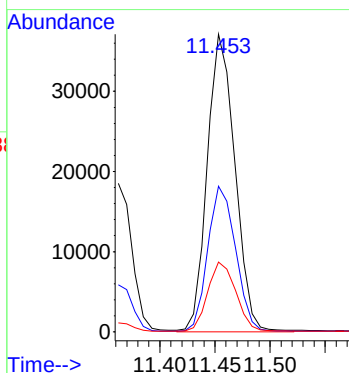
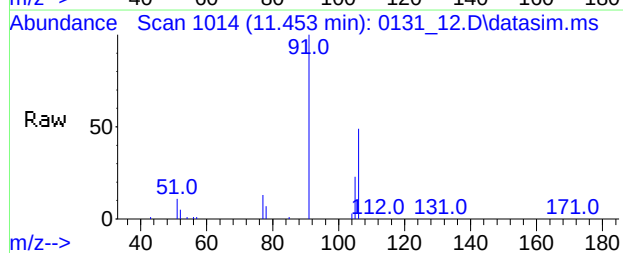
Tgt Ion:166 Resp: 3814
Ion Ratio Lower Upper
166 100
164 76.8 58.0 98.0
129 80.4 58.0 98.0





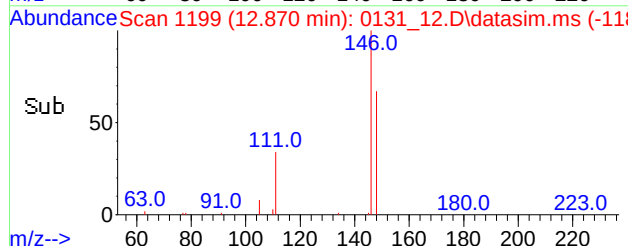
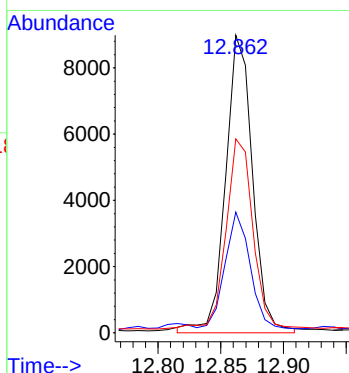
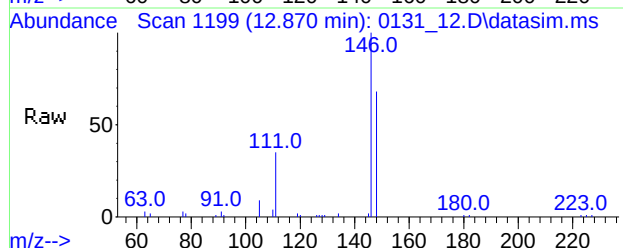
#107
m,p-Xylene(sim)
Conc: 8\$ 0.498 ppbv
RT: 11.450 min Scan# 1014
Delta R.T. -0.003 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

Tgt Ion: 91 Resp: 59973
Ion Ratio Lower Upper
91 100
106 47.7 46.3 56.5
105 23.9 19.5 29.3



#113
1,4-Dichlorobenzene(sim)
Conc: 8\$ 0.214 ppbv
RT: 12.867 min Scan# 1199
Delta R.T. 0.005 min
Lab File: 0131_12.D
Acq: 31 Jan 2025 8:52 pm

Tgt Ion: 146 Resp: 11789
Ion Ratio Lower Upper
146 100
111 40.2 17.1 57.1
148 62.9 44.1 84.1



1
AIR ANALYSIS DATA SHEET

CLIENT ID

OUTDOOR AMBIENT

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CS55371
Canister:	28549	Lab File ID:	0131_15.D
Instrument:	CHEM20	Column:	RTX-1 60M
Purge Volume	200	(cc)	01/31/25
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.434		0.202	0.202	r
74-87-3	Chloromethane	0.520		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	3.13	S	0.531	0.531	r
67-64-1	Acetone	2.51	S	0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.362		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

OUTDOOR AMBIENT

Client: FPMGROUP Lab: Phoenix Env. Labs

SDG No.: GCS55361

Lab Sample ID: CS55371

Canister: 28549

Lab File ID: 0131_15.D

Instrument: CHEM20 Column: RTX-1 60M

Date Received: 01/31/25

Purge Volume 200 (cc)

Date Analyzed: 01/31/25

Matrix: AIR

Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.198		0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.076		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_15.D
 Acq On : 31 Jan 2025 11:41 pm
 Operator :
 Client ID : OUTDOOR AMBIENT
 Lab ID : CS55371
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 01 11:30:05 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

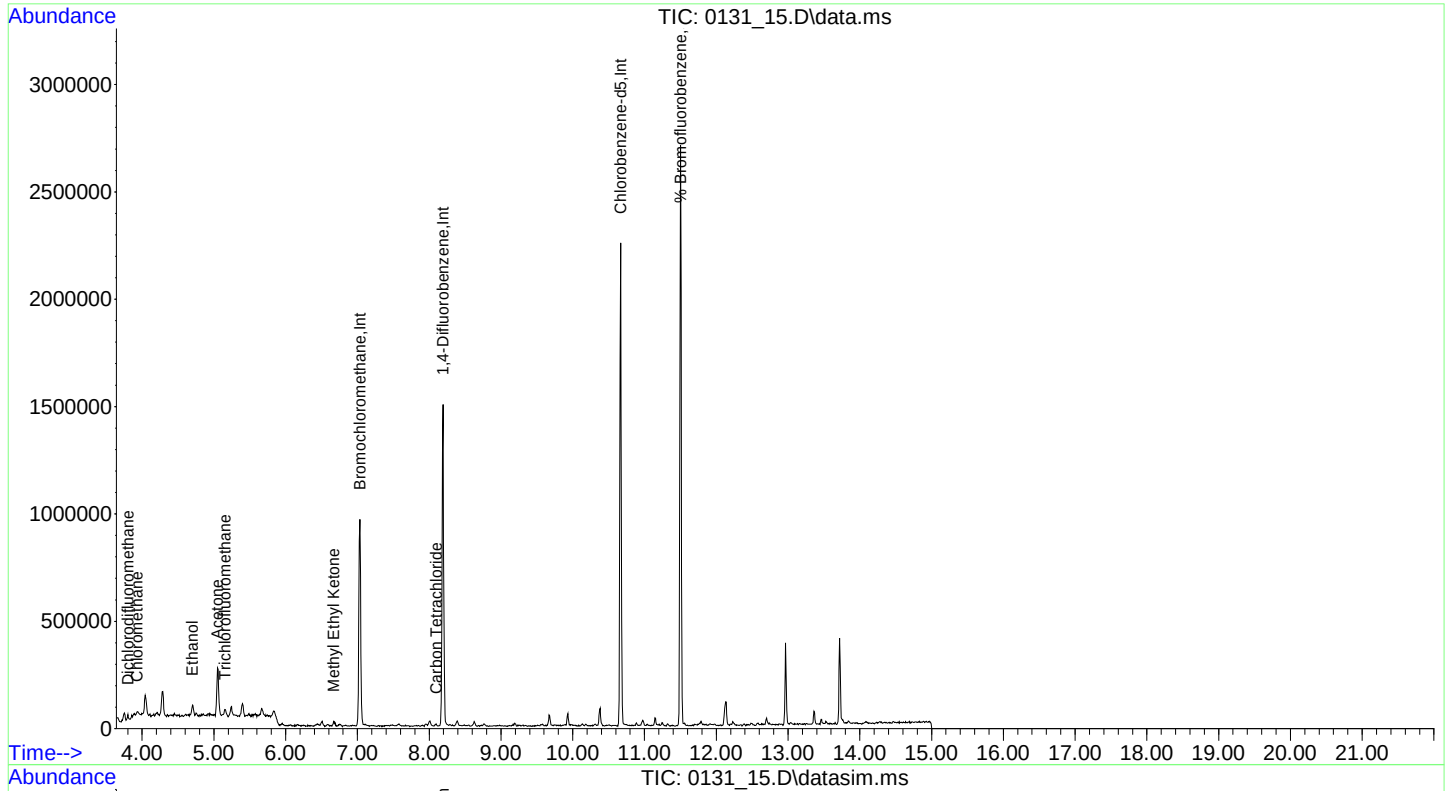
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

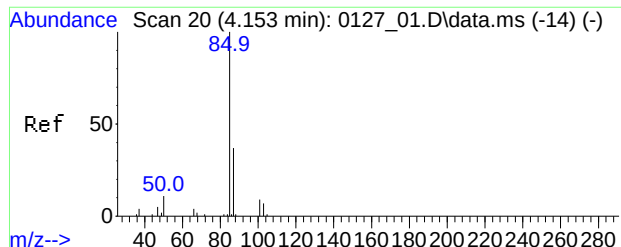
Internal Standards						
1) Bromochloromethane	7.034	130	337567	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1098546	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	462709	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	380520	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1098546	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	463949	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	580007	11.000	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	110.00%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	3.800	85	35592	0.434	ppbv#	88
4) Chloromethane	3.930	50	20178	0.520	ppbv	81
11) Ethanol	4.700	45	59178	3.134	ppbv#	44
12) Acetone	5.049	43	218477	2.513	ppbv#	83
13) Trichlorofluoromethane	5.155	101	25570	0.200	ppbv#	78
14) Isopropylalcohol	5.244	45	36605	0.404	ppbv#	93
25) Methyl Ethyl Ketone	6.668	43	23523	0.362	ppbv#	98
34) Carbon Tetrachloride	8.097	117	4338	0.071	ppbv	99
82] Trichlorofluoromethane...	5.158	101	27646	0.198	ppbv#	95
86] Carbon Tetrachloride(sim)	8.100	117	4489	0.076	ppbv	95

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_15.D
Acq On : 31 Jan 2025 11:41 pm
Operator :
Client ID : OUTDOOR AMBIENT
Lab ID : CS55371
ALS Vial : 10 Sample Multiplier: 1

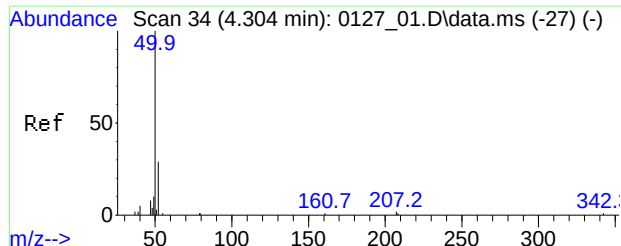
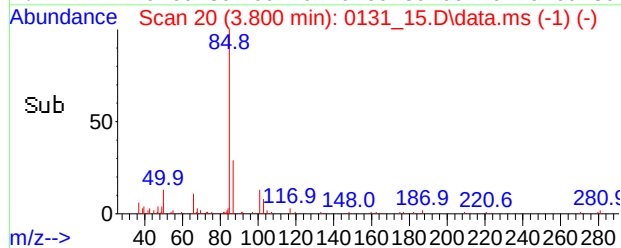
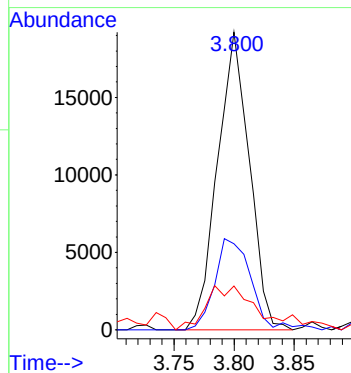
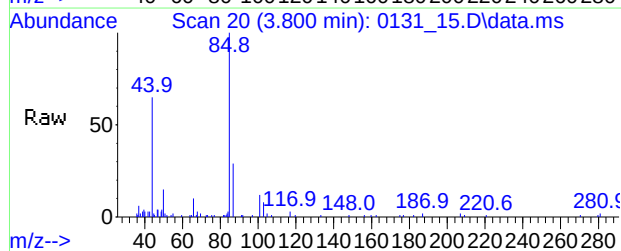
Quant Time: Feb 01 11:30:05 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration





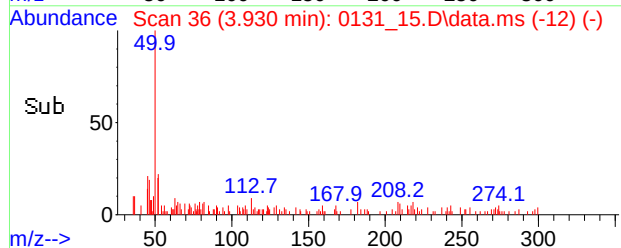
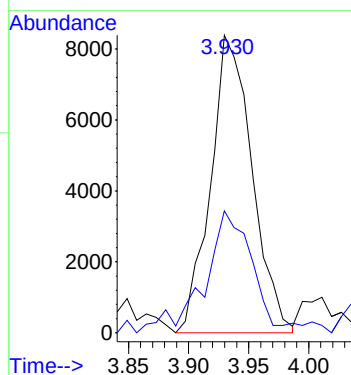
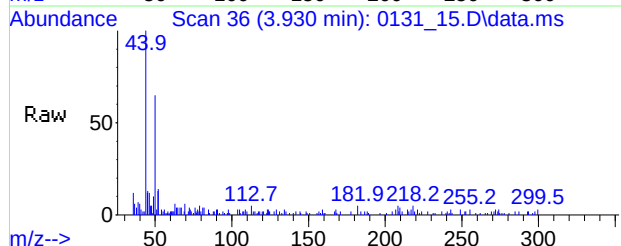
#3
Dichlorodifluoromethane
Conc: 8\$ 0.434 ppbv
RT: 3.800 min Scan# 20
Delta R.T. -0.000 min
Lab File: 0131_15.D
Acq: 31 Jan 2025 11:41 pm

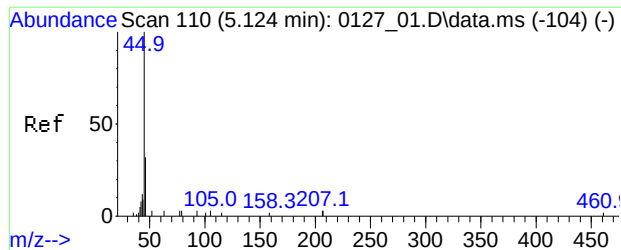
Tgt Ion: 85 Resp: 35592
Ion Ratio Lower Upper
85 100
87 34.9 25.8 38.8
50 25.3 10.6 15.8#



#4
Chloromethane
Conc: 8\$ 0.520 ppbv
RT: 3.930 min Scan# 36
Delta R.T. -0.008 min
Lab File: 0131_15.D
Acq: 31 Jan 2025 11:41 pm

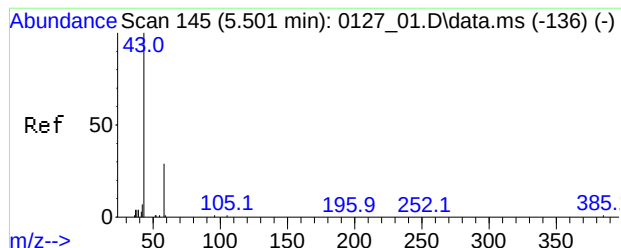
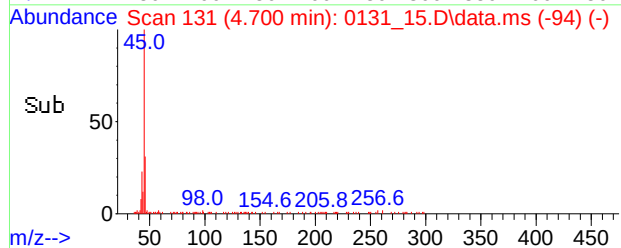
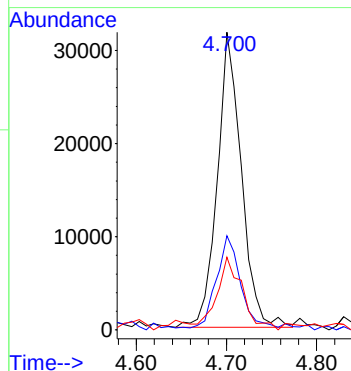
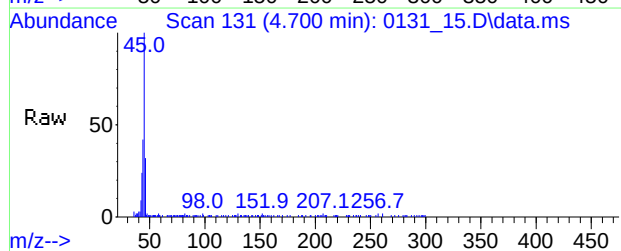
Tgt Ion: 50 Resp: 20178
Ion Ratio Lower Upper
50 100
52 46.3 15.5 55.5





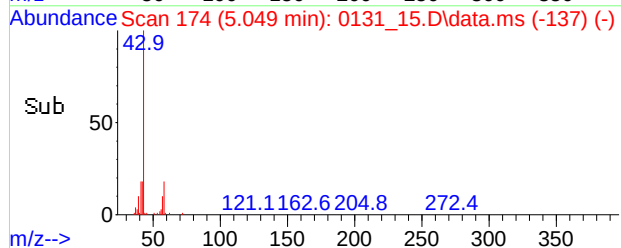
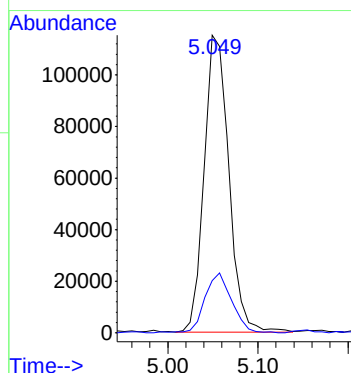
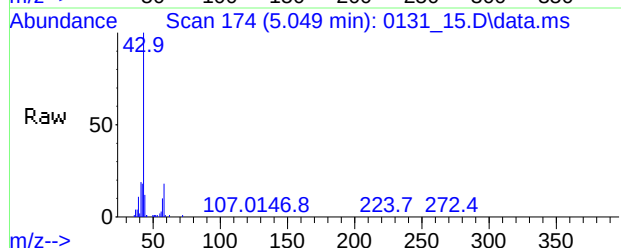
#11
Ethanol
Conc: 8\$ 3.134 ppbv
RT: 4.700 min Scan# 131
Delta R.T. -0.001 min
Lab File: 0131_15.D
Acq: 31 Jan 2025 11:41 pm

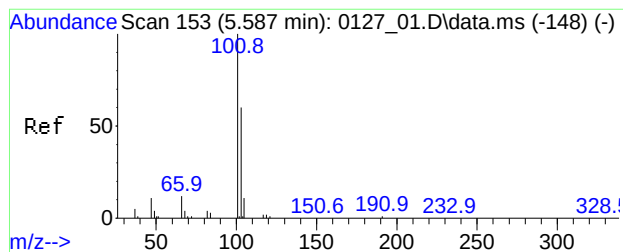
Tgt Ion: 45 Resp: 59178
Ion Ratio Lower Upper
45 100
46 30.6 0.6 0.8#
43 25.7 0.0 0.0#



#12
Acetone
Conc: 8\$ 2.513 ppbv
RT: 5.049 min Scan# 174
Delta R.T. 0.000 min
Lab File: 0131_15.D
Acq: 31 Jan 2025 11:41 pm

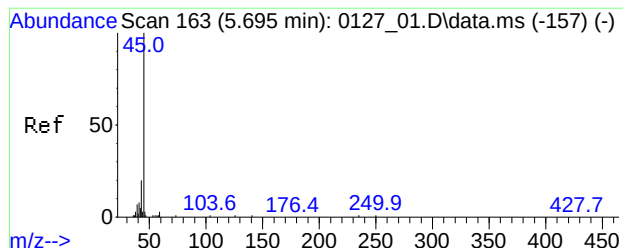
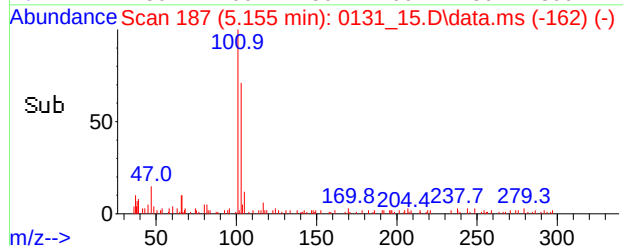
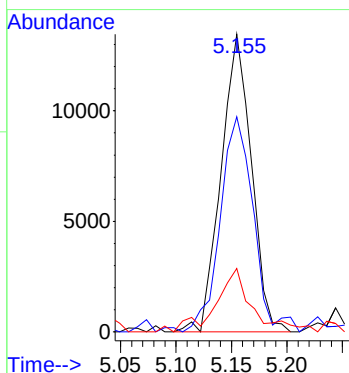
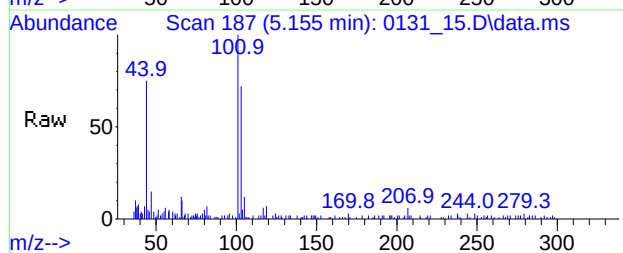
Tgt Ion: 43 Resp: 218477
Ion Ratio Lower Upper
43 100
58 22.0 0.2 0.2#





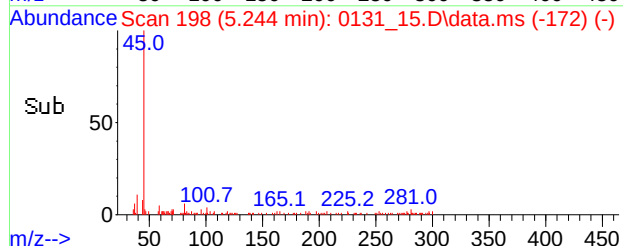
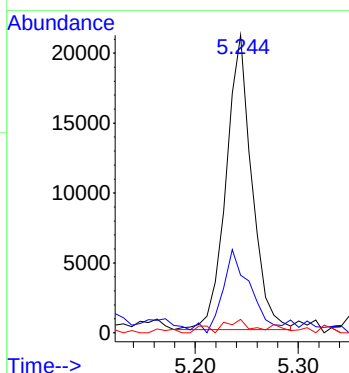
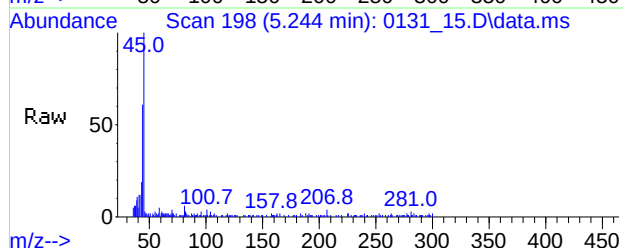
#13
Trichlorofluoromethane
Conc: 8\$ 0.200 ppbv
RT: 5.155 min Scan# 187
Delta R.T. -0.000 min
Lab File: 0131_15.D
Acq: 31 Jan 2025 11:41 pm

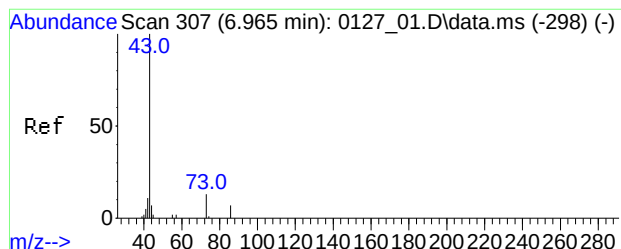
Tgt Ion	Ratio	Lower	Upper
101	100		
103	78.5	49.8	74.8#
66	25.6	12.1	18.1#



#14
Isopropylalcohol
Conc: 8\$ 0.404 ppbv
RT: 5.244 min Scan# 198
Delta R.T. 0.008 min
Lab File: 0131_15.D
Acq: 31 Jan 2025 11:41 pm

Tgt Ion	Ratio	Lower	Upper
45	100		
43	27.8	0.0	0.0#
59	4.2	0.6	1.0#

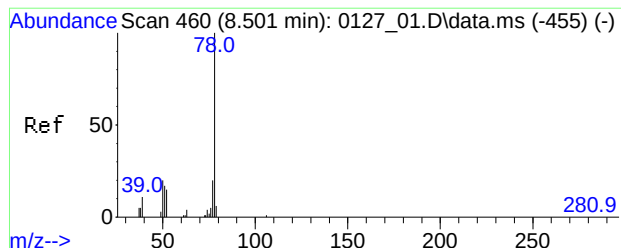
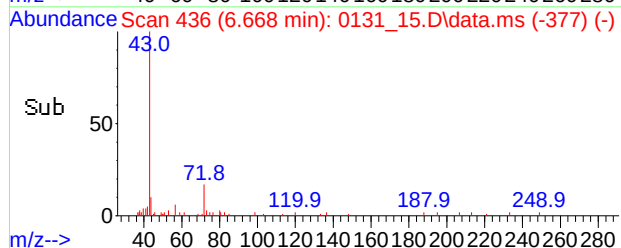
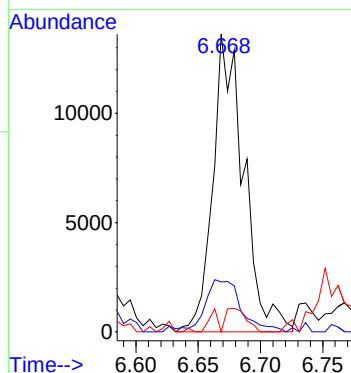
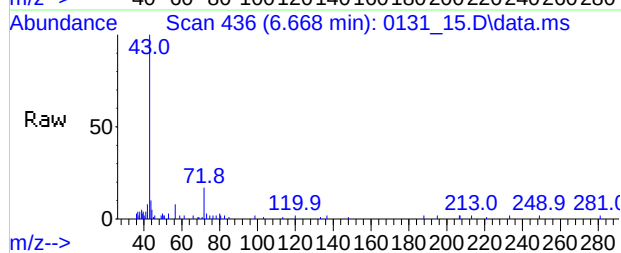




#25
Methyl Ethyl Ketone
Conc: 8\$ 0.362 ppbv
RT: 6.668 min Scan# 436
Delta R.T. 0.005 min
Lab File: 0131_15.D
Acq: 31 Jan 2025 11:41 pm

Tgt Ion: 43 Resp: 23523

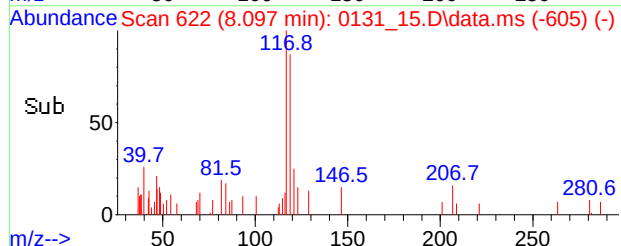
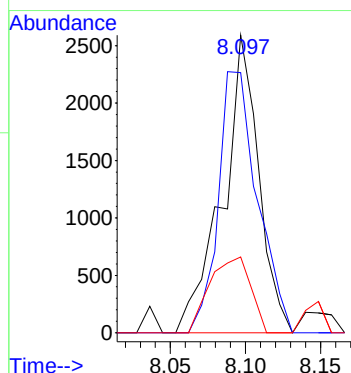
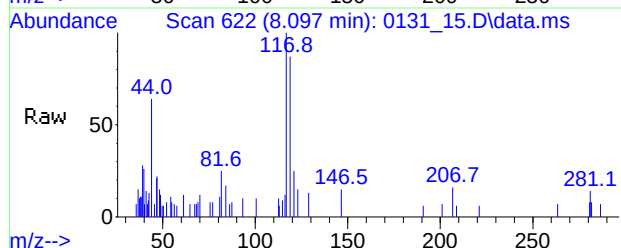
Ion	Ratio	Lower	Upper
43	100		
72	20.8	0.0	0.0#
57	2.2	0.2	0.4#

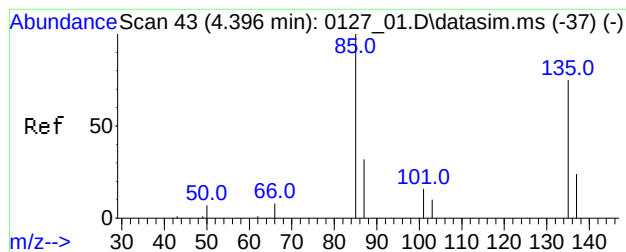


#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.097 min Scan# 622
Delta R.T. -0.000 min
Lab File: 0131_15.D
Acq: 31 Jan 2025 11:41 pm

Tgt Ion: 117 Resp: 4338

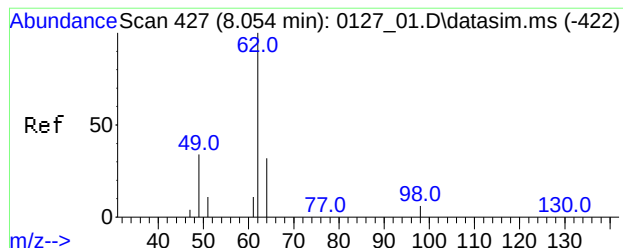
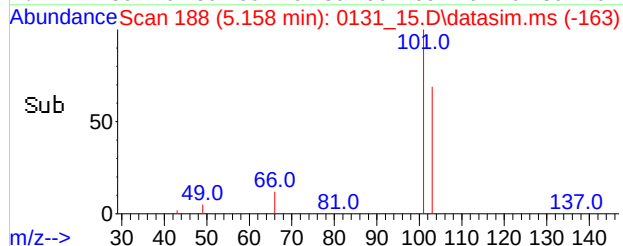
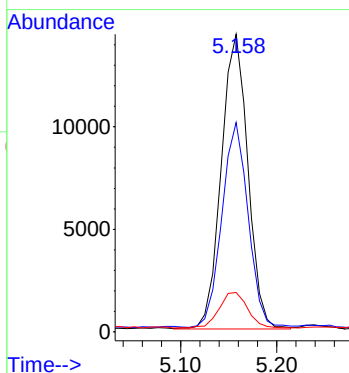
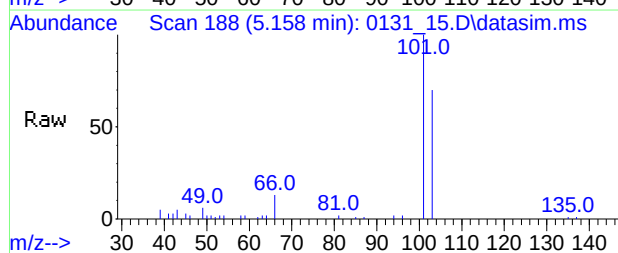
Ion	Ratio	Lower	Upper
117	100		
119	95.3	74.9	114.9
121	28.8	11.2	51.2





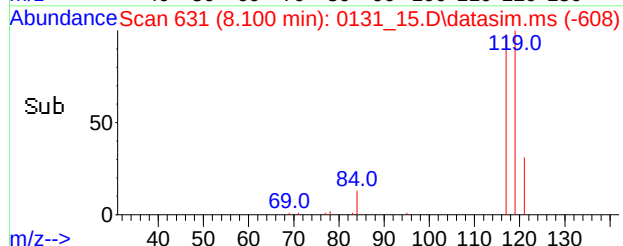
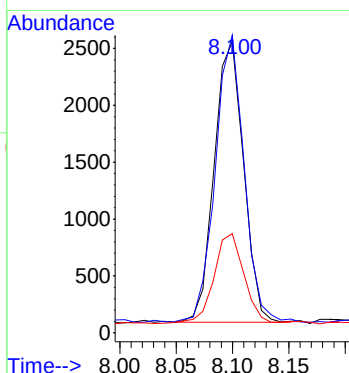
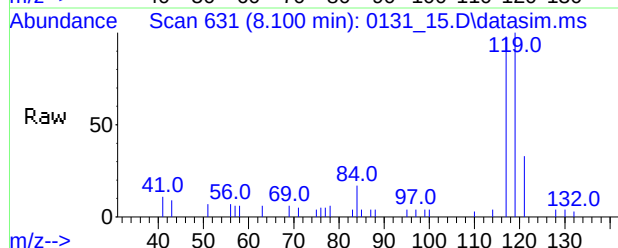
#82
Trichlorofluoromethane(sim)
Conc: 8\$ 0.198 ppbv
RT: 5.158 min Scan# 188
Delta R.T. -0.000 min
Lab File: 0131_15.D
Acq: 31 Jan 2025 11:41 pm

Tgt Ion:101 Resp: 27646
Ion Ratio Lower Upper
101 100
103 68.4 51.4 77.0
66 12.9 15.1 15.1#



#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.076 ppbv
RT: 8.100 min Scan# 631
Delta R.T. -0.000 min
Lab File: 0131_15.D
Acq: 31 Jan 2025 11:41 pm

Tgt Ion:117 Resp: 4489
Ion Ratio Lower Upper
117 100
119 100.6 76.6 115.0
121 33.3 24.2 36.4



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	IA-G
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55372</u>	
Canister:	<u>28568</u>	Lab File ID:	<u>0131_10.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>01/31/25</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.448		0.202	0.202	r
74-87-3	Chloromethane	0.640		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	42.2	ES	0.531	0.531	r
67-64-1	Acetone	12.1	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.227		0.178	0.178	r
67-63-0	Isopropylalcohol	6.51	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.824		0.339	0.339	r
110-54-3	Hexane	0.543	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.347		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.519		0.339	0.339	r
71-43-2	Benzene	0.321		0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.440		0.215	0.215	r
142-82-5	Heptane	0.315		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	1.46		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.608		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
106-46-7	1,4-Dichlorobenzene	0.215		0.166	0.166	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55372</u>
Canister:	<u>28568</u>	Lab File ID:	<u>0131_10.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>01/31/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
91-20-3	Naphthalene	0.440		0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.083		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.048		0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.053		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_10.D
 Acq On : 31 Jan 2025 8:36 pm
 Operator :
 Client ID : IA-G
 Lab ID : CS55372
 ALS Vial : 5 Sample Multiplier: 1

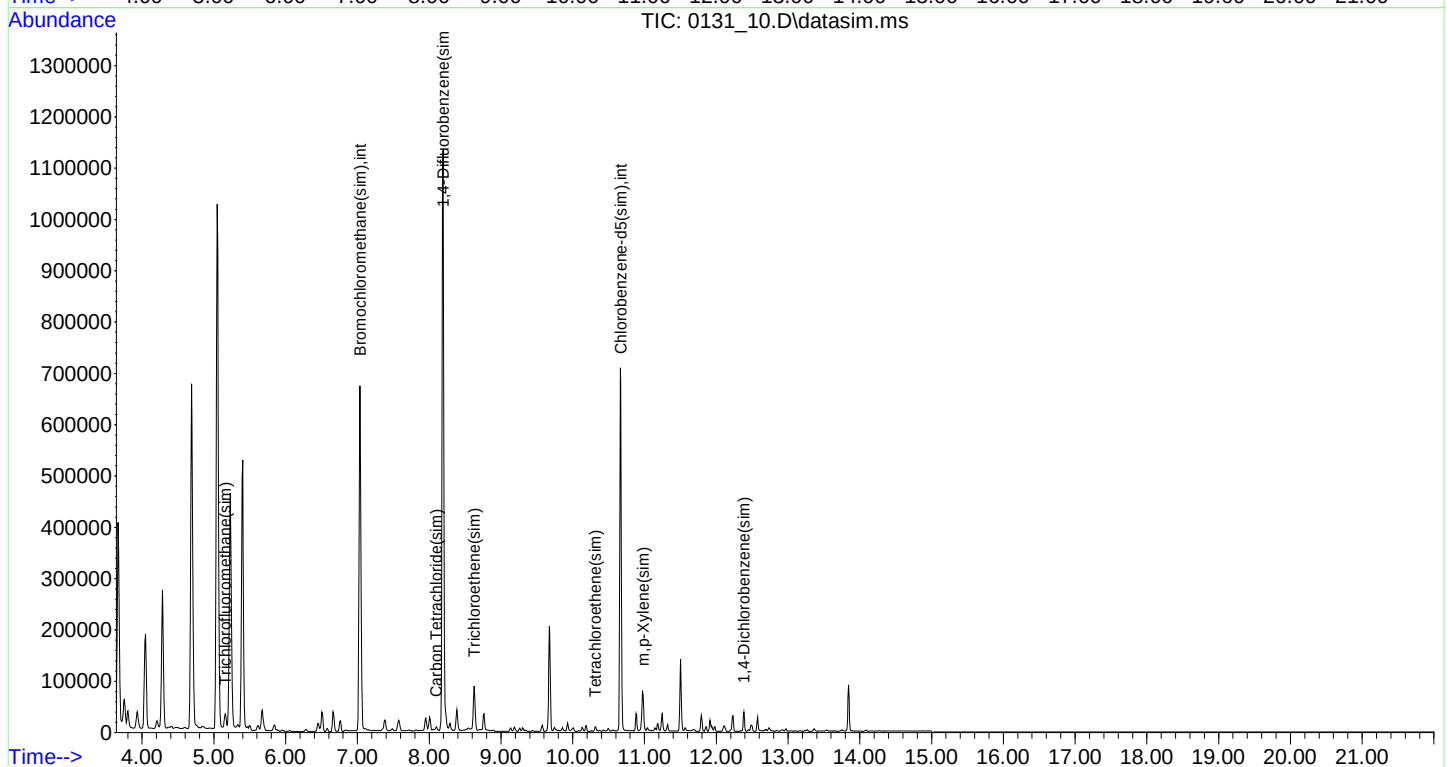
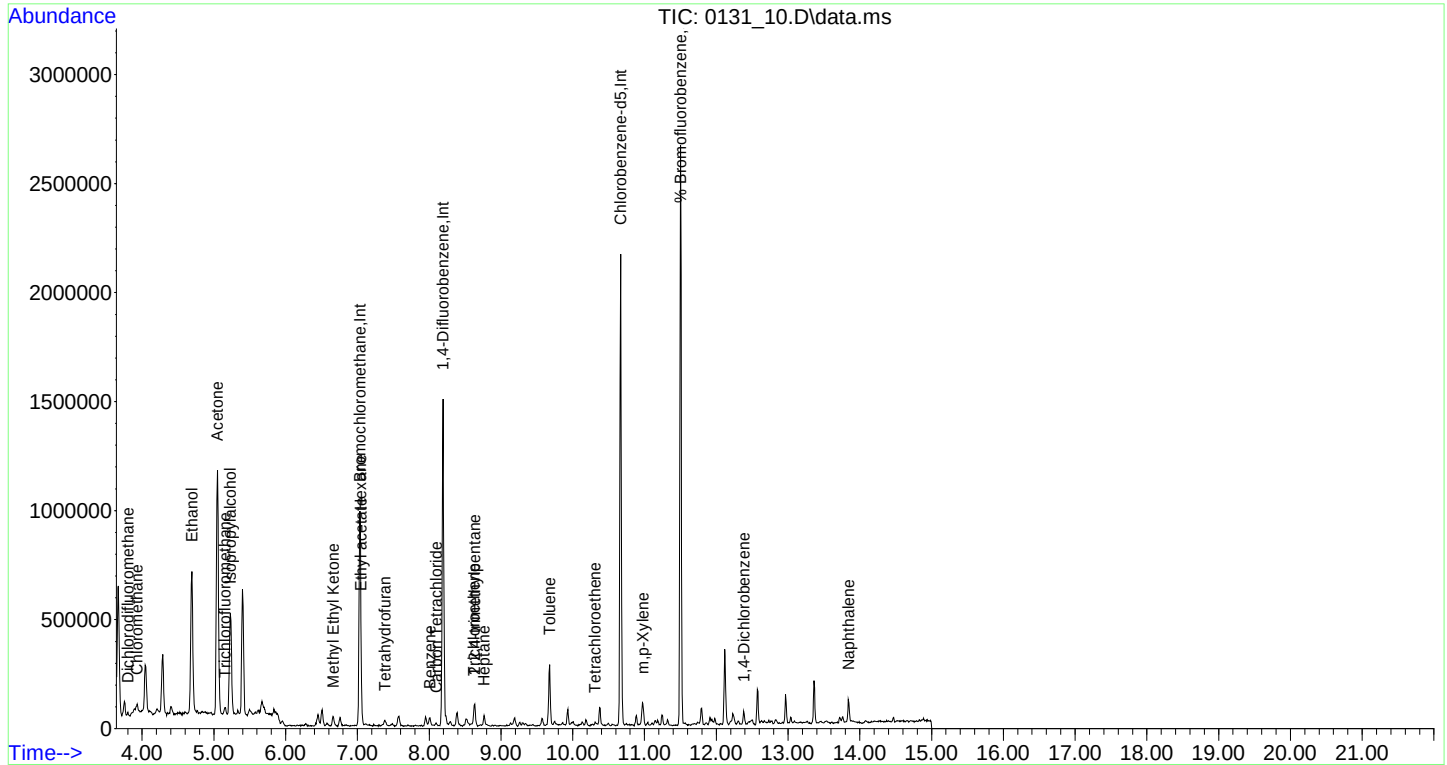
Quant Time: Feb 01 11:27:42 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

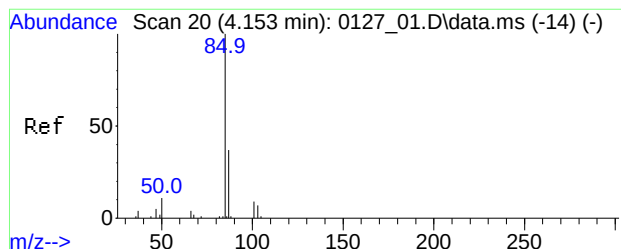
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	328602	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1073692	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	459768	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	367850	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1073692	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	459016	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	573496	10.947	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	109.50%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.800	85	35762	0.448	ppbv#	87
4) Chloromethane	3.930	50	24161	0.640	ppbv	96
11) Ethanol	4.692	45	775664	42.202	ppbv#	41
12) Acetone	5.049	43	1024590	12.105	ppbv#	86
13) Trichlorofluoromethane	5.155	101	28139	0.227	ppbv	98
14) Isopropylalcohol	5.228	45	573942	6.507	ppbv#	94
25) Methyl Ethyl Ketone	6.663	43	52132	0.824	ppbv#	90
27) Hexane	7.042	57	22198	0.543	ppbv#	91
29) Ethyl acetate	7.050	61	3273	0.347	ppbv#	84
30) Tetrahydrofuran	7.383	42	17312	0.519	ppbv#	86
33) Benzene	8.010	78	25828	0.321	ppbv#	92
34) Carbon Tetrachloride	8.097	117	4485	0.075	ppbv	86
39) Trichloroethene	8.625	130	2325	0.045	ppbv	91
40) 2,2,4-trimethylpentane	8.633	57	58740	0.440	ppbv#	77
43) Heptane	8.763	43	18064	0.315	ppbv	90
48) Toluene	9.677	91	159478	1.461	ppbv#	97
52) Tetrachloroethene	10.311	166	3294	0.051	ppbv	88
57) m,p-Xylene	10.978	91	54479	0.608	ppbv	100
70) 1,4-Dichlorobenzene	12.382	146	21391	0.215	ppbv	100
76) Naphthalene	13.840	128	74718	0.440	ppbv#	95
82] Trichlorofluoromethane...	5.158	101	28203	0.209	ppbv#	97
86] Carbon Tetrachloride(sim)	8.100	117	4709	0.083	ppbv	92
96] Trichloroethene(sim)	8.628	130	2690	0.048	ppbv#	82
102] Tetrachloroethene(sim)	10.314	166	3869	0.053	ppbv	93
105] m,p-Xylene(sim)	10.978	91	54479	0.554	ppbv#	82
109] 1,4-Dichlorobenzene(sim)	12.382	146	21459	0.202	ppbv	86

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_10.D
Acq On : 31 Jan 2025 8:36 pm
Operator :
Client ID : IA-G
Lab ID : CS55372
ALS Vial : 5 Sample Multiplier: 1

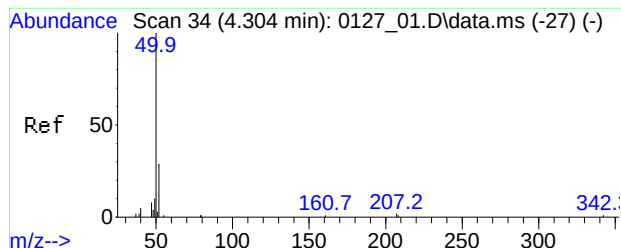
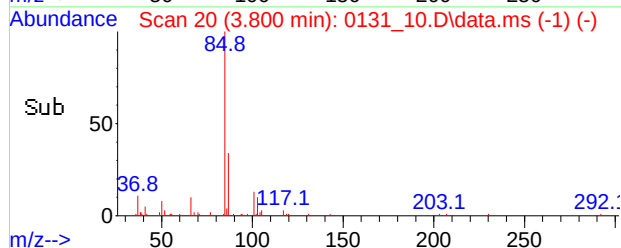
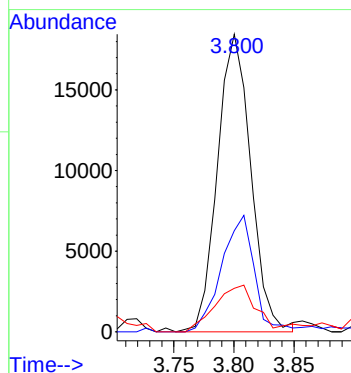
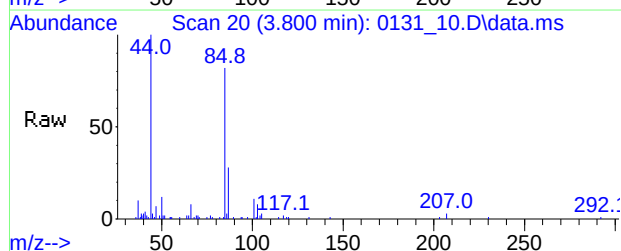
Quant Time: Feb 01 11:27:42 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration





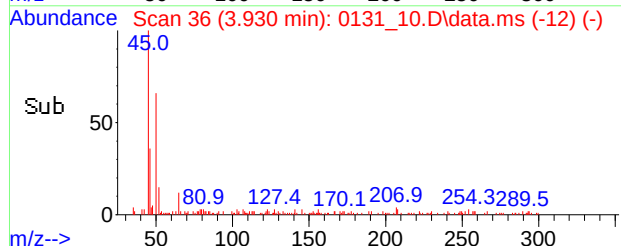
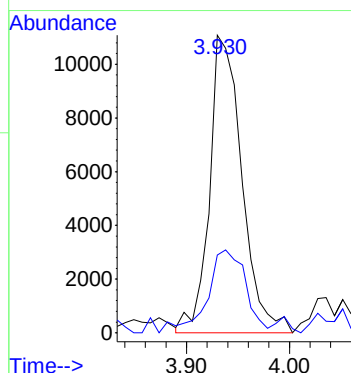
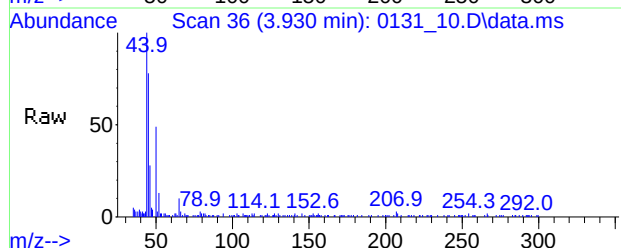
#3
Dichlorodifluoromethane
Conc: 8\$ 0.448 ppbv
RT: 3.800 min Scan# 20
Delta R.T. 0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

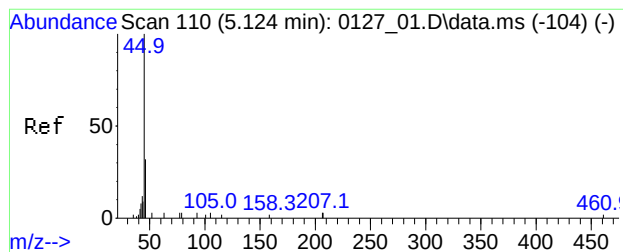
Tgt Ion: 85 Resp: 35762
Ion Ratio Lower Upper
85 100
87 38.7 25.8 38.8
50 19.4 10.6 15.8#



#4
Chloromethane
Conc: 8\$ 0.640 ppbv
RT: 3.930 min Scan# 36
Delta R.T. -0.008 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

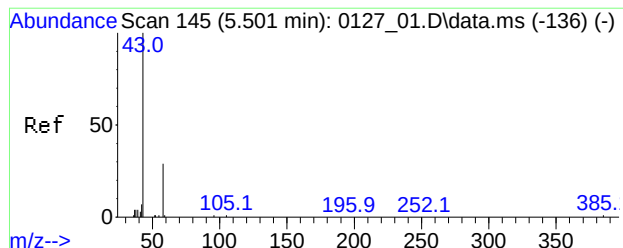
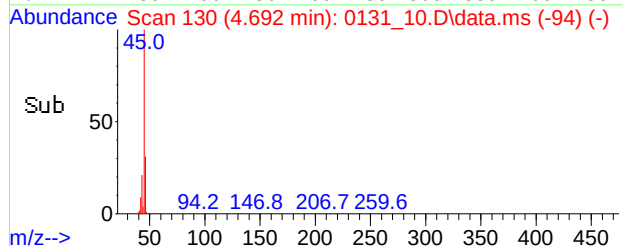
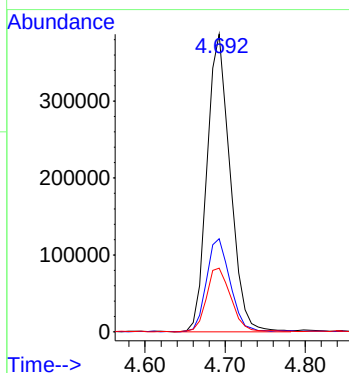
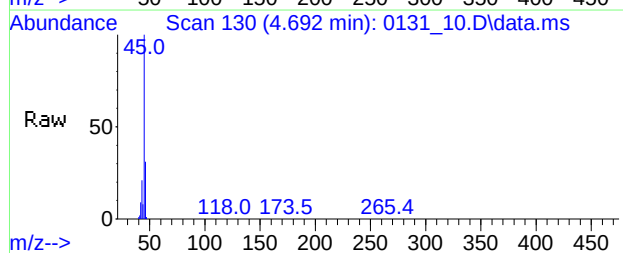
Tgt Ion: 50 Resp: 24161
Ion Ratio Lower Upper
50 100
52 33.0 15.5 55.5





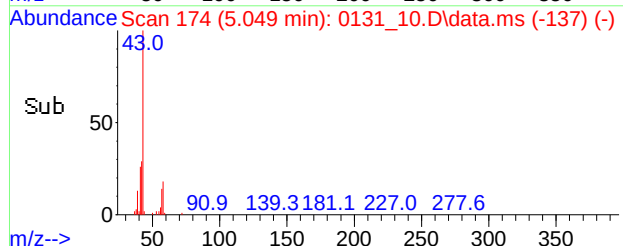
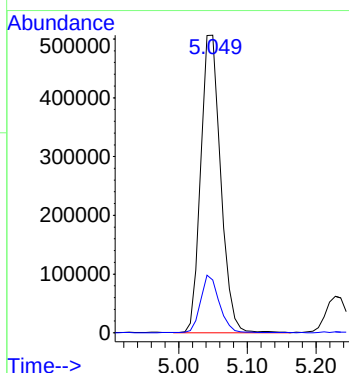
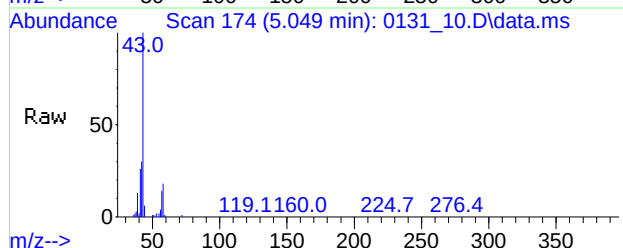
#11
Ethanol
Conc: 8\$ 42.202 ppbv
RT: 4.692 min Scan# 130
Delta R.T. -0.009 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

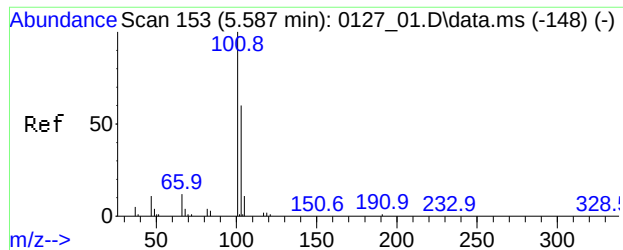
Tgt Ion: 45 Resp: 775664
Ion Ratio Lower Upper
45 100
46 31.8 0.6 0.8#
43 23.0 0.0 0.0#



#12
Acetone
Conc: 8\$ 12.105 ppbv
RT: 5.049 min Scan# 174
Delta R.T. 0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

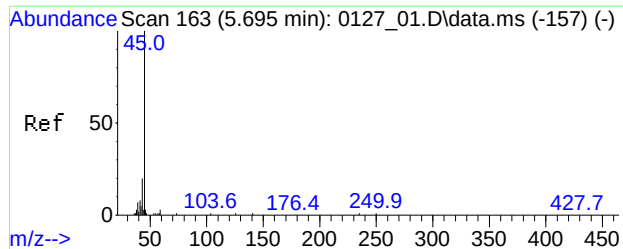
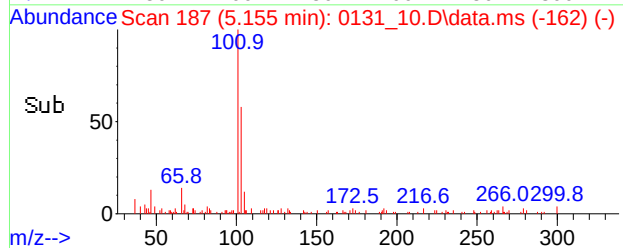
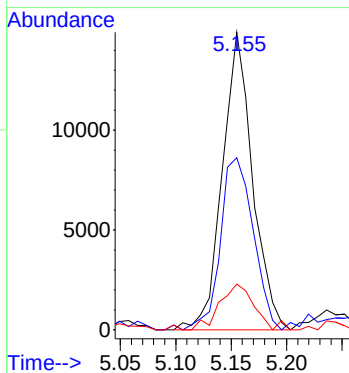
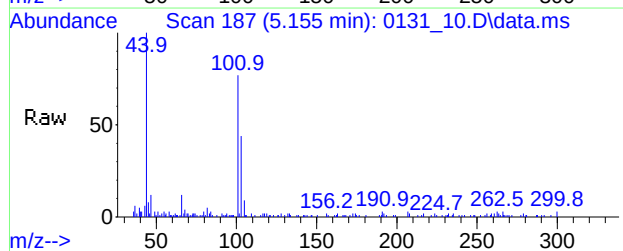
Tgt Ion: 43 Resp: 1024590
Ion Ratio Lower Upper
43 100
58 18.5 0.2 0.2#





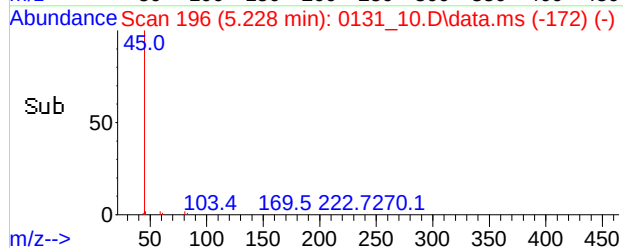
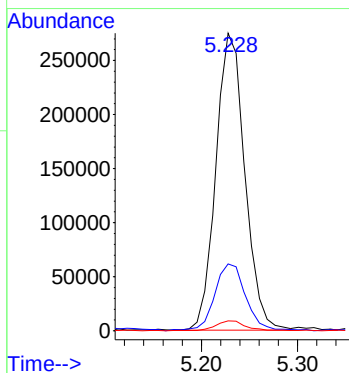
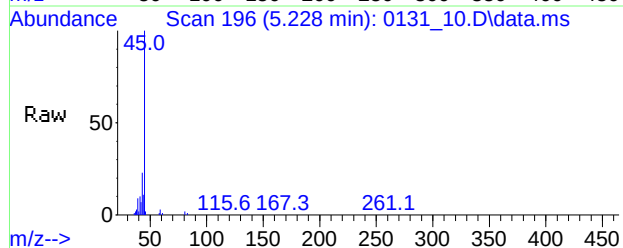
#13
Trichlorofluoromethane
Conc: 8\$ 0.227 ppbv
RT: 5.155 min Scan# 187
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

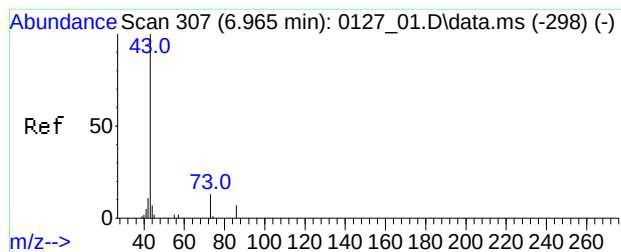
Tgt Ion: 101 Resp: 28139
Ion Ratio Lower Upper
101 100
103 63.1 49.8 74.8
66 17.8 12.1 18.1



#14
Isopropylalcohol
Conc: 8\$ 6.507 ppbv
RT: 5.228 min Scan# 196
Delta R.T. -0.008 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

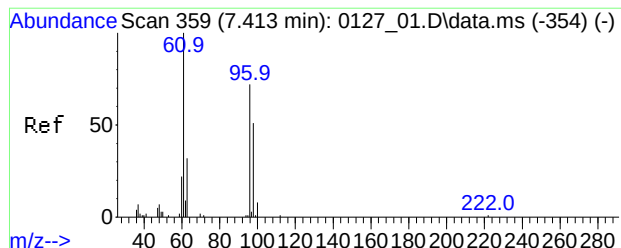
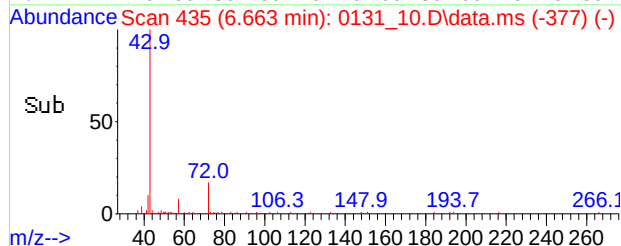
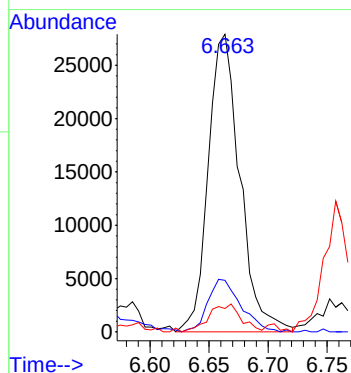
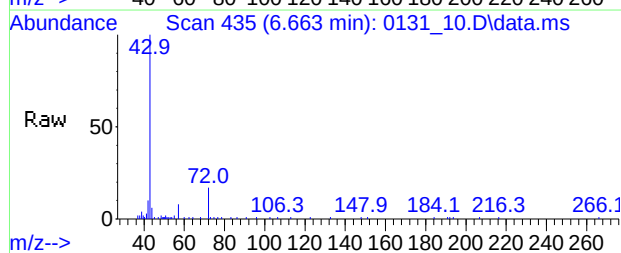
Tgt Ion: 45 Resp: 573942
Ion Ratio Lower Upper
45 100
43 24.5 0.0 0.0#
59 3.8 0.6 1.0#





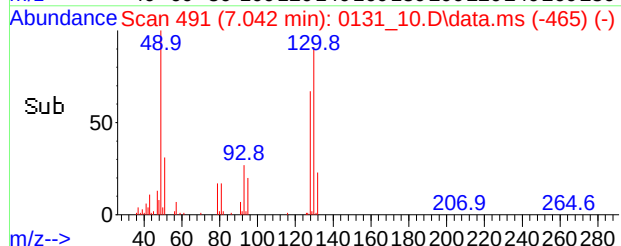
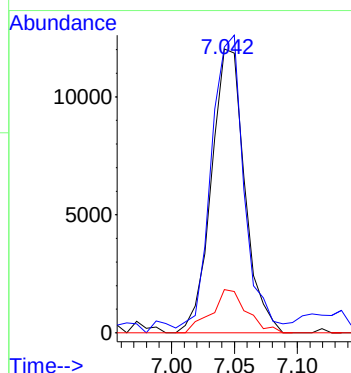
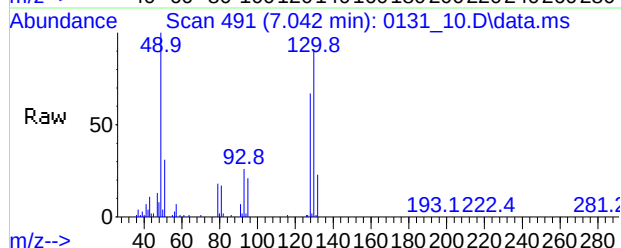
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.824 ppbv
RT: 6.663 min Scan# 435
Delta R.T. 0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

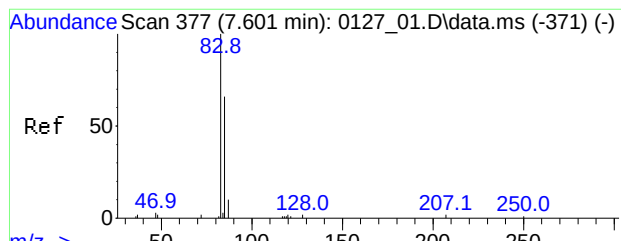
Tgt Ion: 43 Resp: 52132
Ion Ratio Lower Upper
43 100
72 18.4 0.0 0.0#
57 9.4 0.2 0.4#



#27
Hexane
Conc: 8\$ 0.543 ppbv
RT: 7.042 min Scan# 491
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

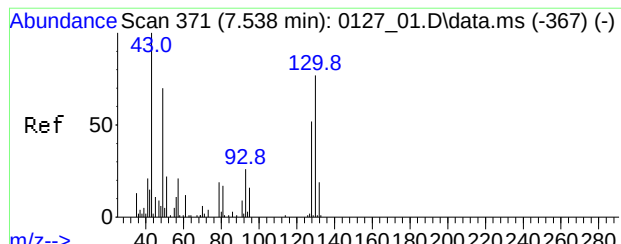
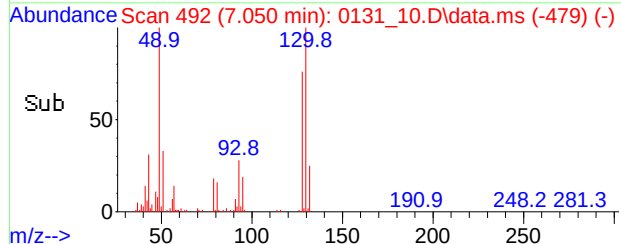
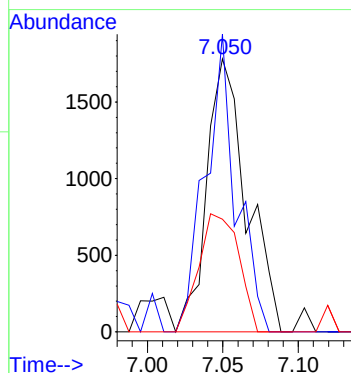
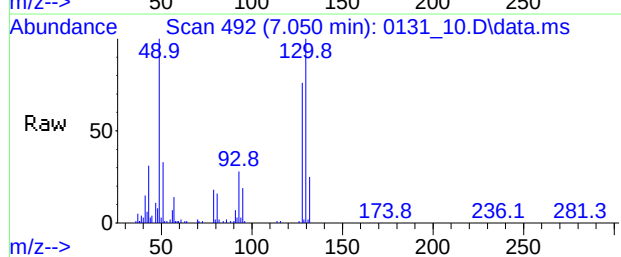
Tgt Ion: 57 Resp: 22198
Ion Ratio Lower Upper
57 100
41 99.6 73.0 109.6
86 16.1 9.8 14.8#





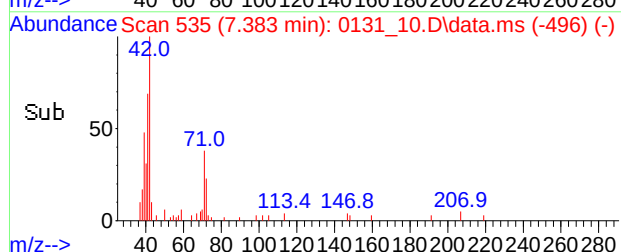
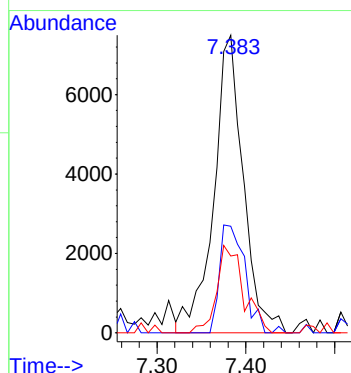
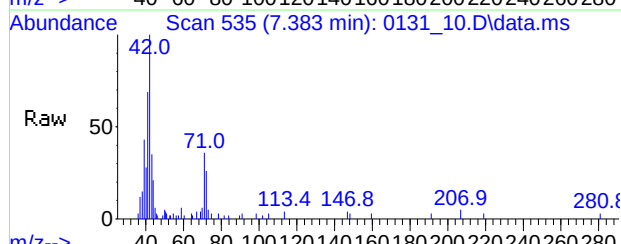
#29
Ethyl acetate
Conc: 8\$ 0.347 ppbv
RT: 7.050 min Scan# 492
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

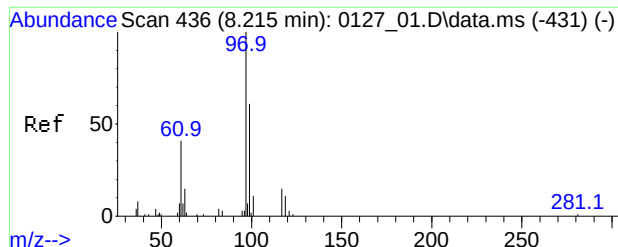
Tgt Ion: 61 Resp: 3273
Ion Ratio Lower Upper
61 100
70 84.4 62.8 94.2
88 43.5 14.7 22.1#



#30
Tetrahydrofuran
Conc: 8\$ 0.519 ppbv
RT: 7.383 min Scan# 535
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

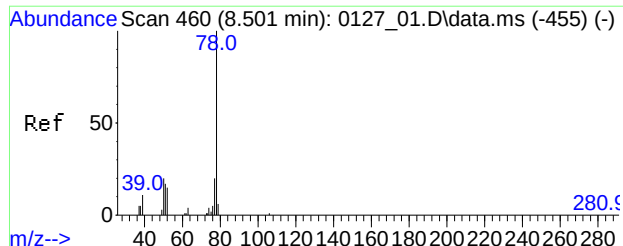
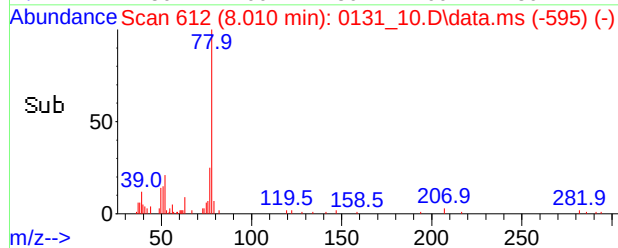
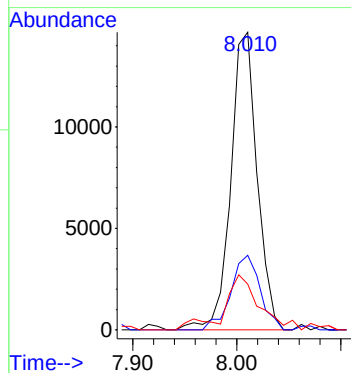
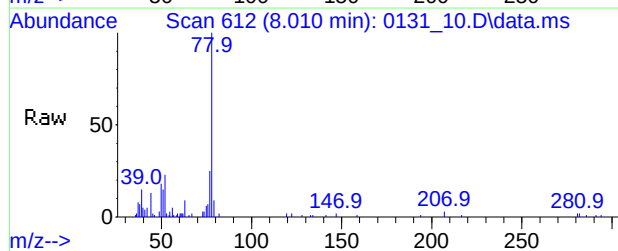
Tgt Ion: 42 Resp: 17312
Ion Ratio Lower Upper
42 100
71 30.6 29.4 44.0
72 26.8 30.2 45.4#





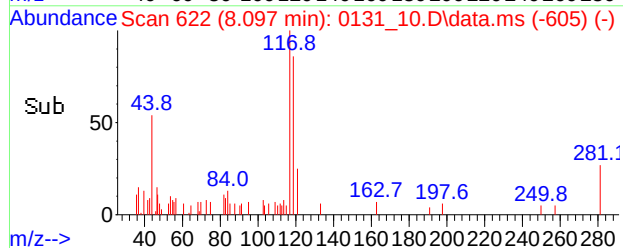
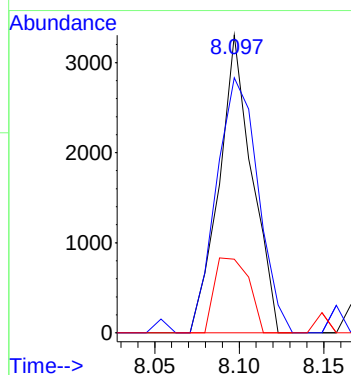
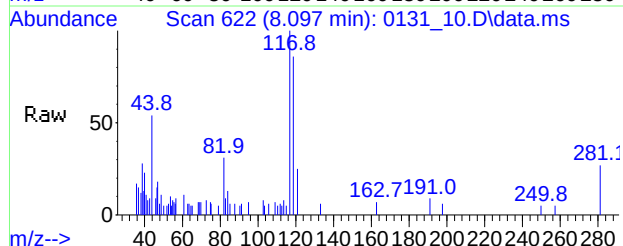
#33
Benzene
Conc: 8\$ 0.321 ppbv
RT: 8.010 min Scan# 612
Delta R.T. 0.008 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

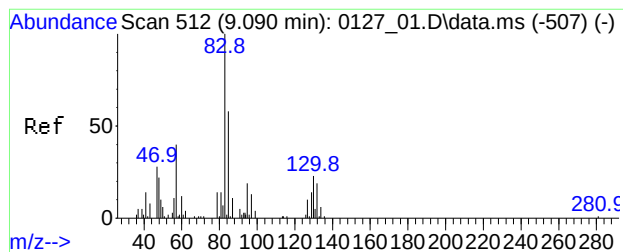
Tgt Ion: 78 Resp: 25828
Ion Ratio Lower Upper
78 100
77 27.7 17.4 26.0#
51 21.1 15.8 23.6



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.097 min Scan# 622
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

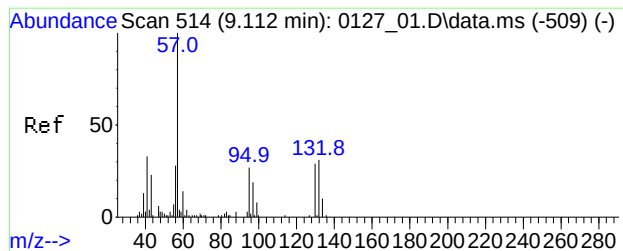
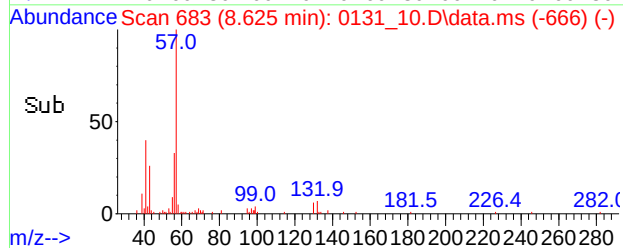
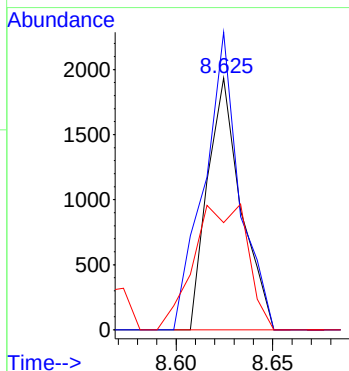
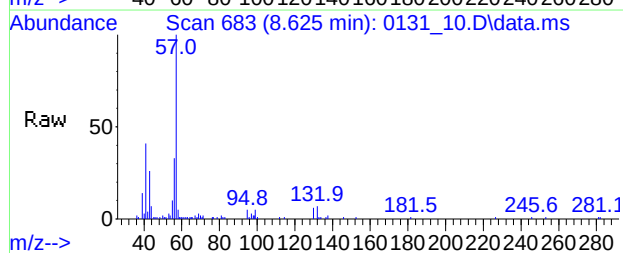
Tgt Ion: 117 Resp: 4485
Ion Ratio Lower Upper
117 100
119 110.1 74.9 114.9
121 26.2 11.2 51.2





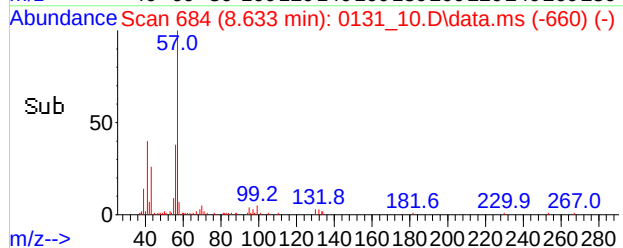
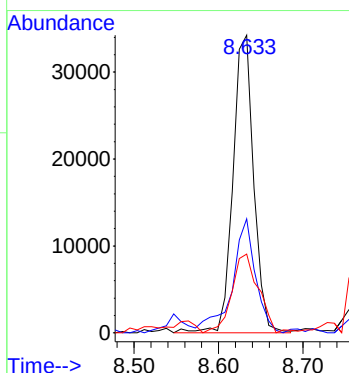
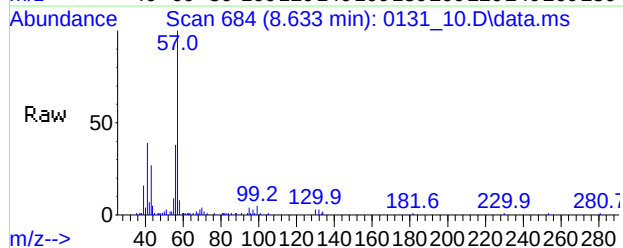
#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 8.625 min Scan# 683
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

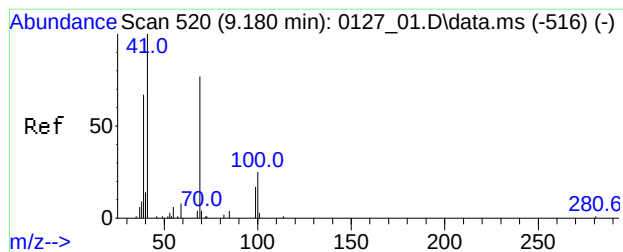
Tgt Ion: 130 Resp: 2325
Ion Ratio Lower Upper
130 100
132 124.8 88.3 132.5
97 80.2 65.9 98.9



#40
2,2,4-trimethylpentane
Conc: 8\$ 0.440 ppbv
RT: 8.633 min Scan# 684
Delta R.T. 0.008 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

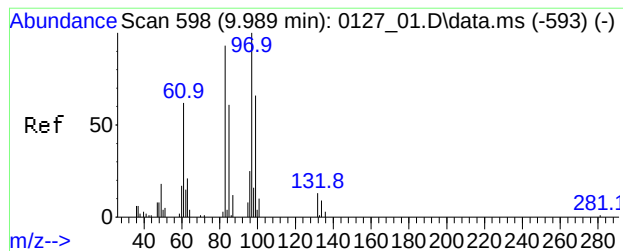
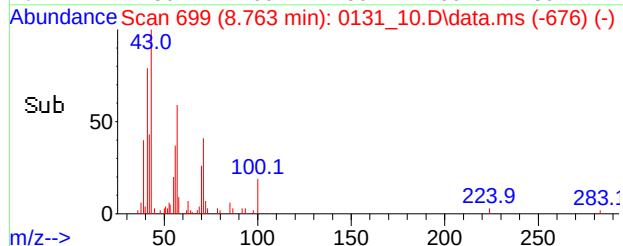
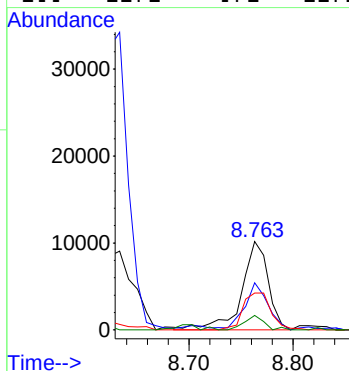
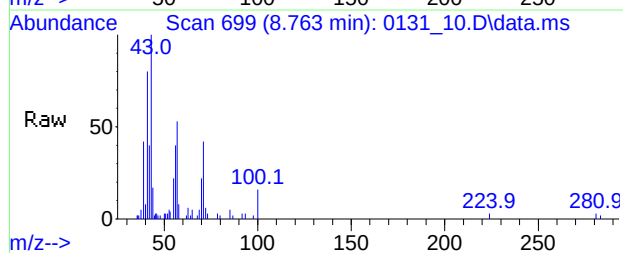
Tgt Ion: 57 Resp: 58740
Ion Ratio Lower Upper
57 100
56 43.0 22.0 33.0#
43 34.0 20.4 30.6#





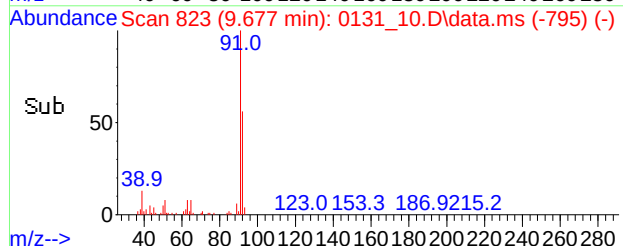
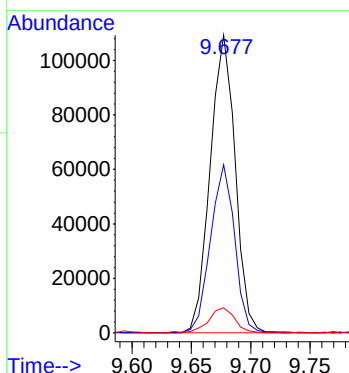
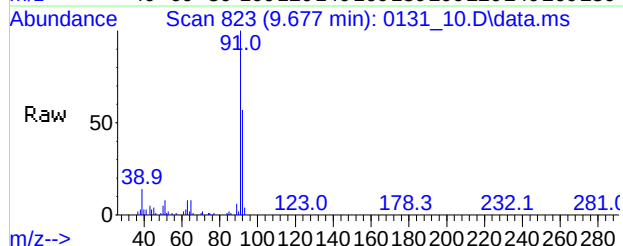
#43
Heptane
Conc: 8\$ 0.315 ppbv
RT: 8.763 min Scan# 699
Delta R.T. 0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

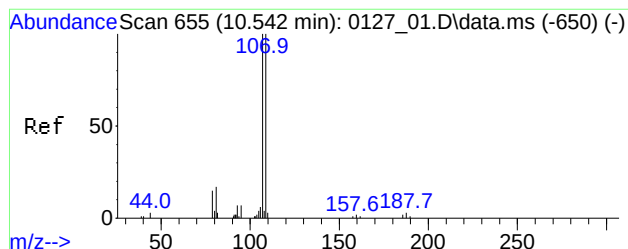
Tgt Ion:	43	Resp:	18064
Ion	Ratio	Lower	Upper
43	100		
57	45.6	39.4	59.0
71	44.6	44.5	66.7
100	12.2	8.2	12.2



#48
Toluene
Conc: 8\$ 1.461 ppbv
RT: 9.677 min Scan# 823
Delta R.T. 0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

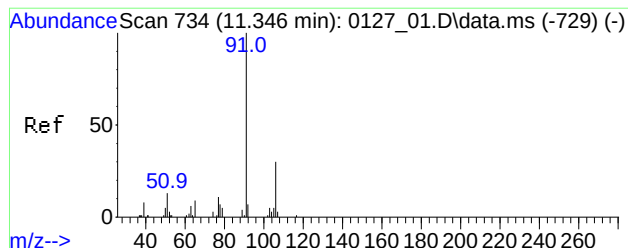
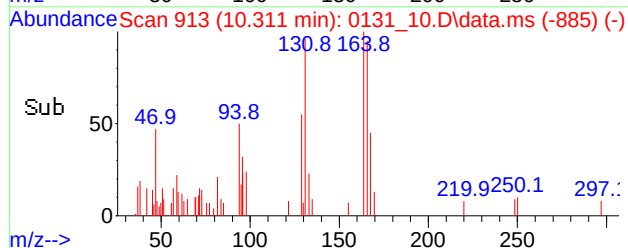
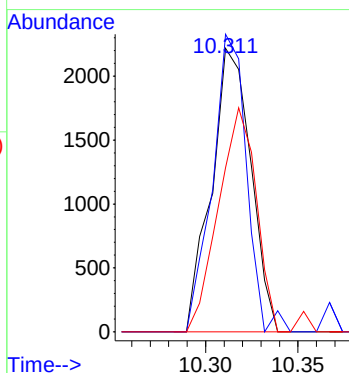
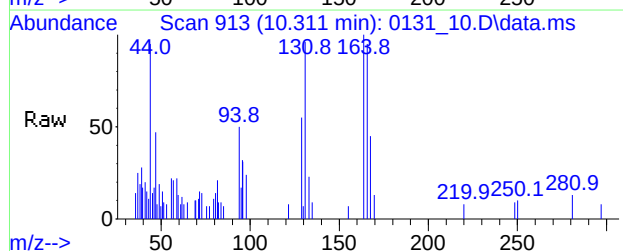
Tgt Ion:	91	Resp:	159478
Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.8	65.8
65	8.8	10.6	16.0#





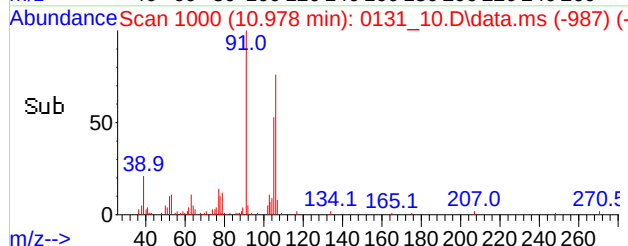
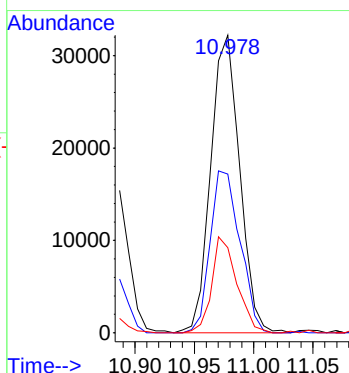
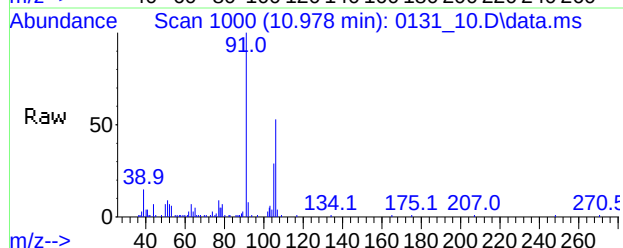
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.311 min Scan# 913
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

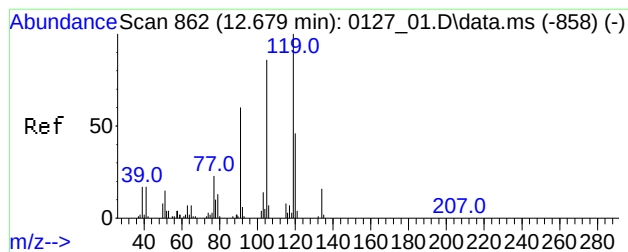
Tgt Ion: 166 Resp: 3294
Ion Ratio Lower Upper
166 100
164 90.9 63.4 95.2
129 75.6 68.4 102.6



#57
m,p-Xylene
Conc: 8\$ 0.608 ppbv
RT: 10.978 min Scan# 1000
Delta R.T. 0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

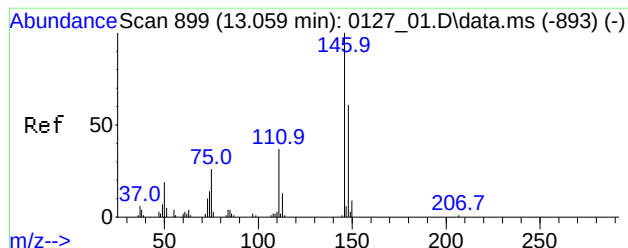
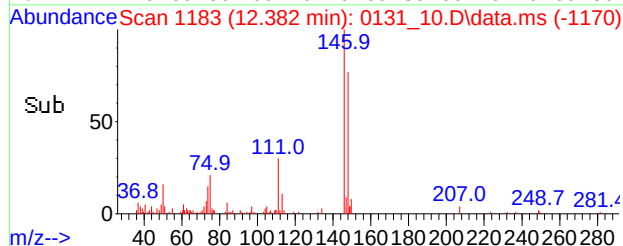
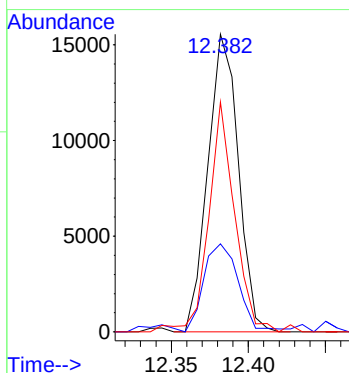
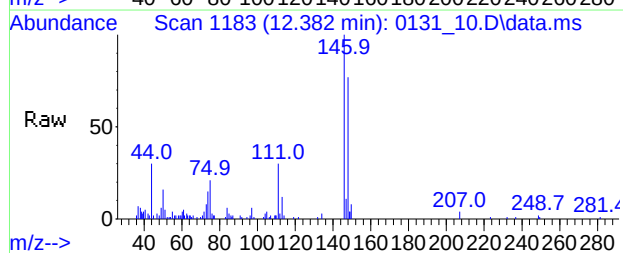
Tgt Ion: 91 Resp: 54479
Ion Ratio Lower Upper
91 100
106 56.0 0.0 0.0#
105 27.9 0.0 0.0#





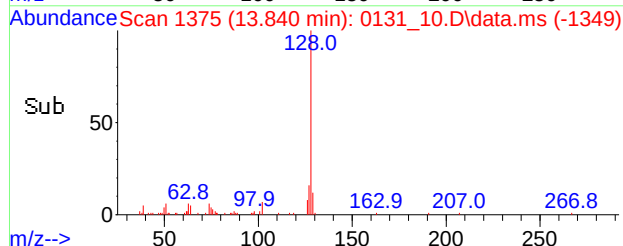
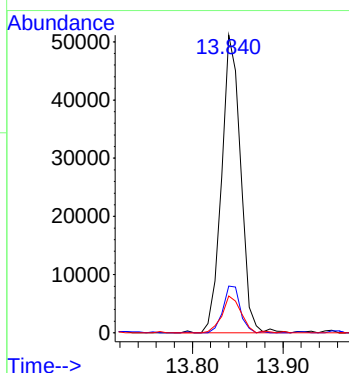
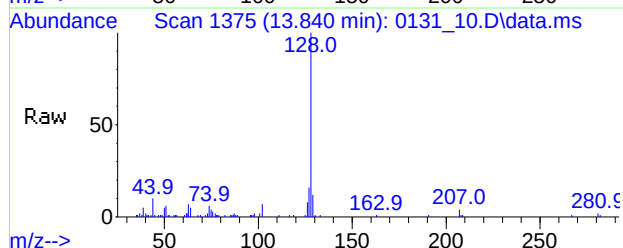
#70
1,4-Dichlorobenzene
Conc: 8\$ 0.215 ppbv
RT: 12.382 min Scan# 1183
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

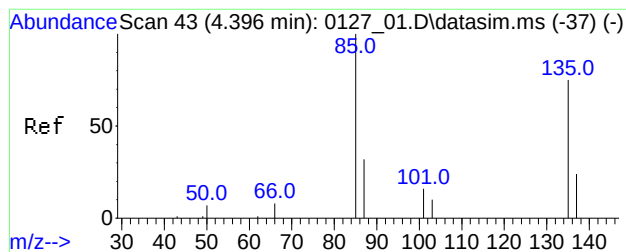
Tgt Ion: 146 Resp: 21391
Ion Ratio Lower Upper
146 100
111 33.5 0.0 0.0#
148 66.8 0.0 0.0#



#76
Naphthalene
Conc: 8\$ 0.440 ppbv
RT: 13.840 min Scan# 1375
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

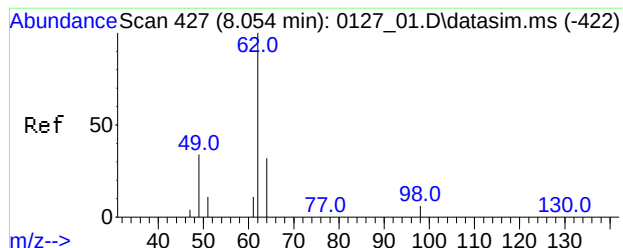
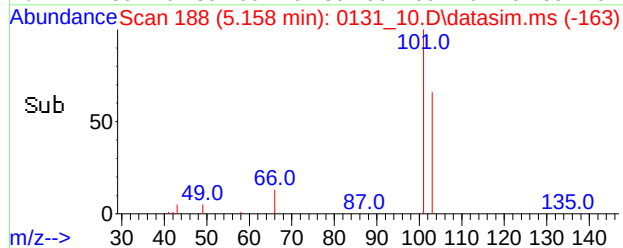
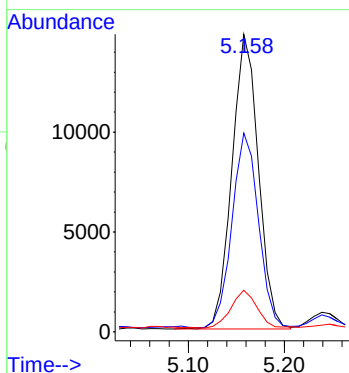
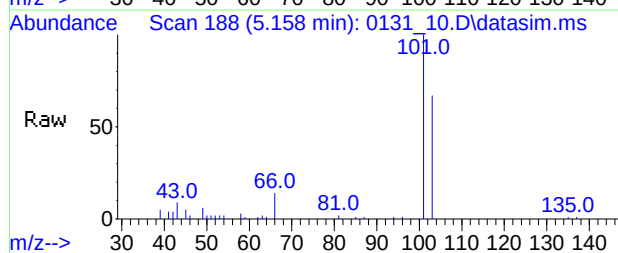
Tgt Ion: 128 Resp: 74718
Ion Ratio Lower Upper
128 100
127 14.3 0.0 0.0#
129 12.5 0.1 0.1#





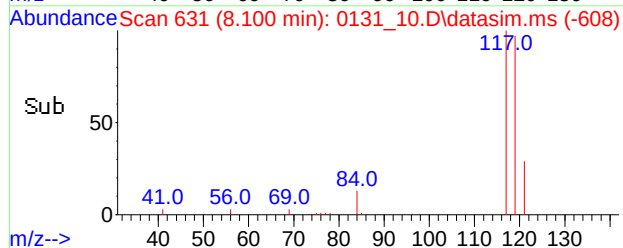
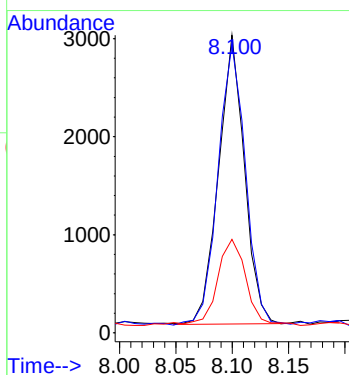
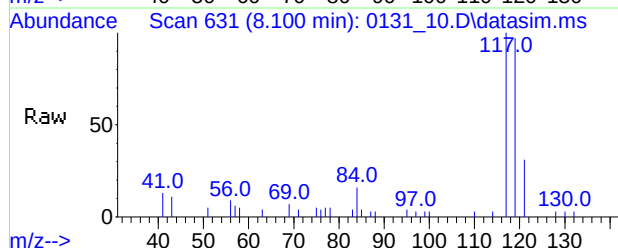
#82
Trichlorofluoromethane(sim)
Conc: 8\$ 0.209 ppbv
RT: 5.158 min Scan# 188
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

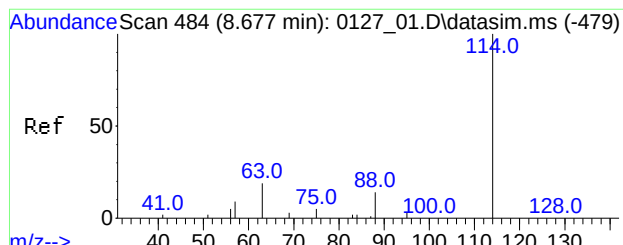
Tgt Ion:101 Resp: 28203
Ion Ratio Lower Upper
101 100
103 65.9 51.4 77.0
66 12.7 15.1 15.1#



#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.083 ppbv
RT: 8.100 min Scan# 631
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

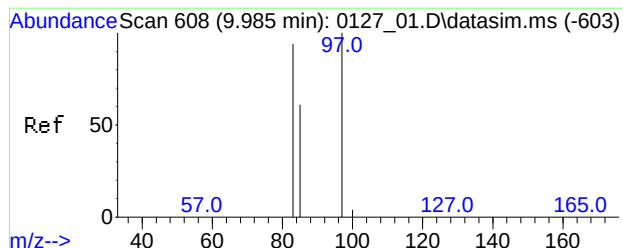
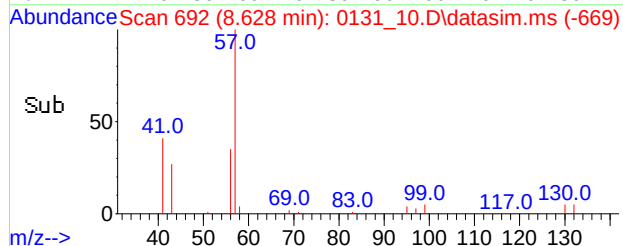
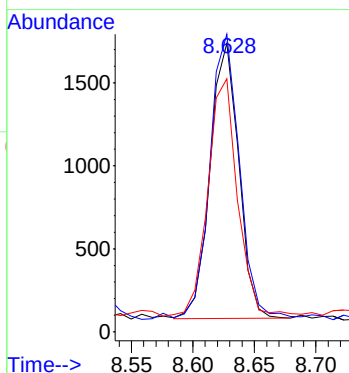
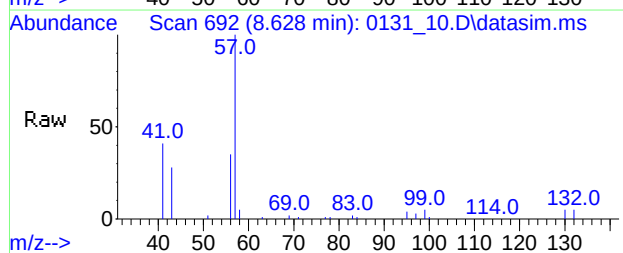
Tgt Ion:117 Resp: 4709
Ion Ratio Lower Upper
117 100
119 103.7 76.6 115.0
121 34.0 24.2 36.4





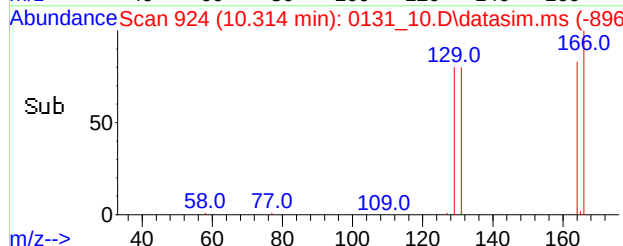
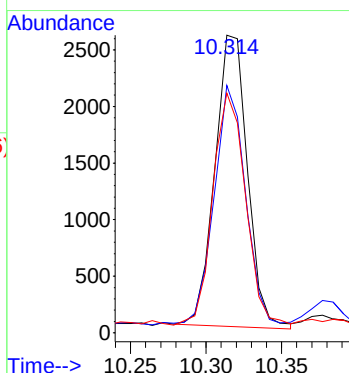
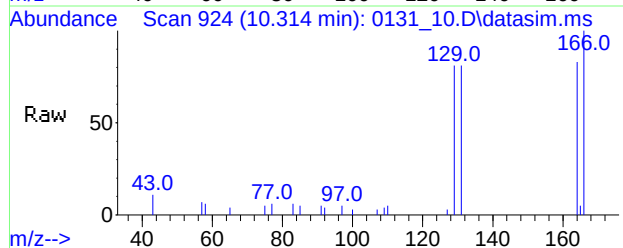
#96
Trichloroethene(sim)
Conc: 8\$ 0.048 ppbv
RT: 8.628 min Scan# 692
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

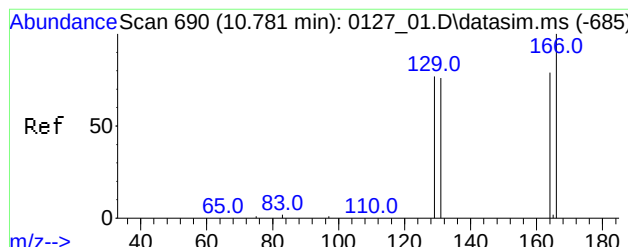
Tgt Ion:130 Resp: 2690
Ion Ratio Lower Upper
130 100
132 108.1 78.4 117.6
95 89.2 92.6 138.8#



#102
Tetrachloroethene(sim)
Conc: 8\$ 0.053 ppbv
RT: 10.314 min Scan# 924
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

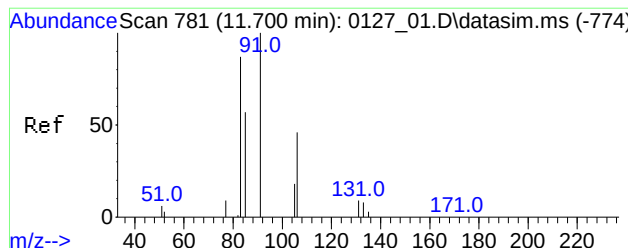
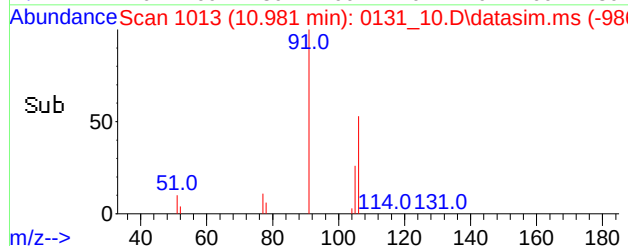
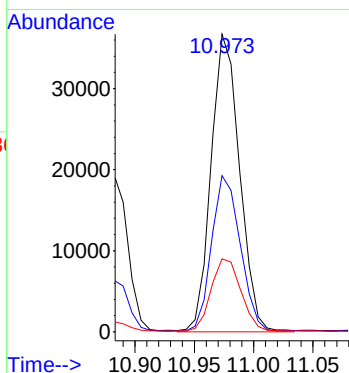
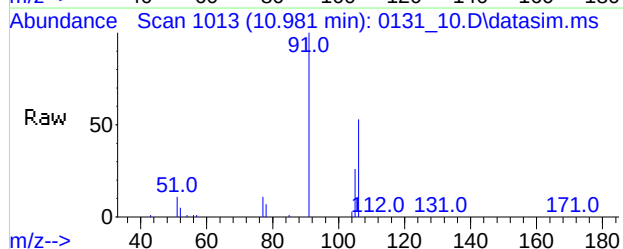
Tgt Ion:166 Resp: 3869
Ion Ratio Lower Upper
166 100
164 79.4 54.6 94.6
129 79.2 52.2 92.2





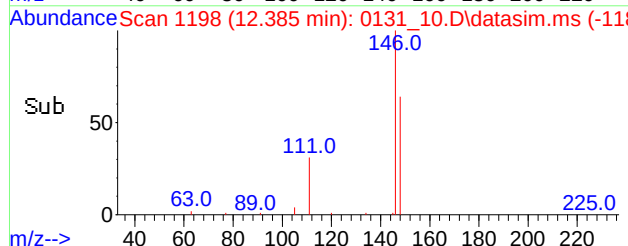
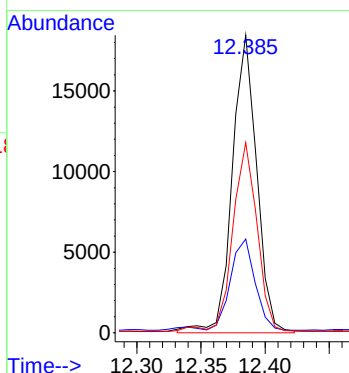
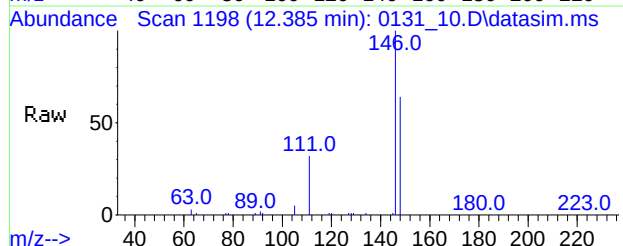
#105
m,p-Xylene(sim)
Conc: 8\$ 0.554 ppbv
RT: 10.978 min Scan# 1013
Delta R.T. 0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

Tgt Ion: 91 Resp: 54479
Ion Ratio Lower Upper
91 100
106 56.0 39.6 48.4#
105 27.9 16.6 24.8#



#109
1,4-Dichlorobenzene(sim)
Conc: 8\$ 0.202 ppbv
RT: 12.382 min Scan# 1198
Delta R.T. -0.000 min
Lab File: 0131_10.D
Acq: 31 Jan 2025 8:36 pm

Tgt Ion: 146 Resp: 21459
Ion Ratio Lower Upper
146 100
111 33.4 32.3 72.3
148 66.6 43.4 83.4



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55373</u>
Canister:	<u>28560</u>	Lab File ID:	<u>0131_08.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>01/31/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.494		0.202	0.202	r
74-87-3	Chloromethane	0.617		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	617	ES	0.531	0.531	r
67-64-1	Acetone	13.5	S	0.421	0.421	r
67-63-0	Isopropylalcohol	32.8	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.905		0.339	0.339	r
110-54-3	Hexane	0.599	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.481		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.457		0.339	0.339	r
71-43-2	Benzene	0.319		0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.478		0.215	0.215	r
142-82-5	Heptane	0.436		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	1.65		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.648		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.456		0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

IA-H

Client: FPMGROUP Lab: Phoenix Env. Labs

SDG No.: GCS55361 Lab Sample ID: CS55373

Canister: 28560 Lab File ID: 0131_08.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 01/31/25

Purge Volume 200 (cc) Date Analyzed: 01/31/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.195		0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.079		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.143		0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.058		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_08.D
 Acq On : 31 Jan 2025 7:26 pm
 Operator :
 Client ID : IA-H
 Lab ID : CS55373
 ALS Vial : 3 Sample Multiplier: 1

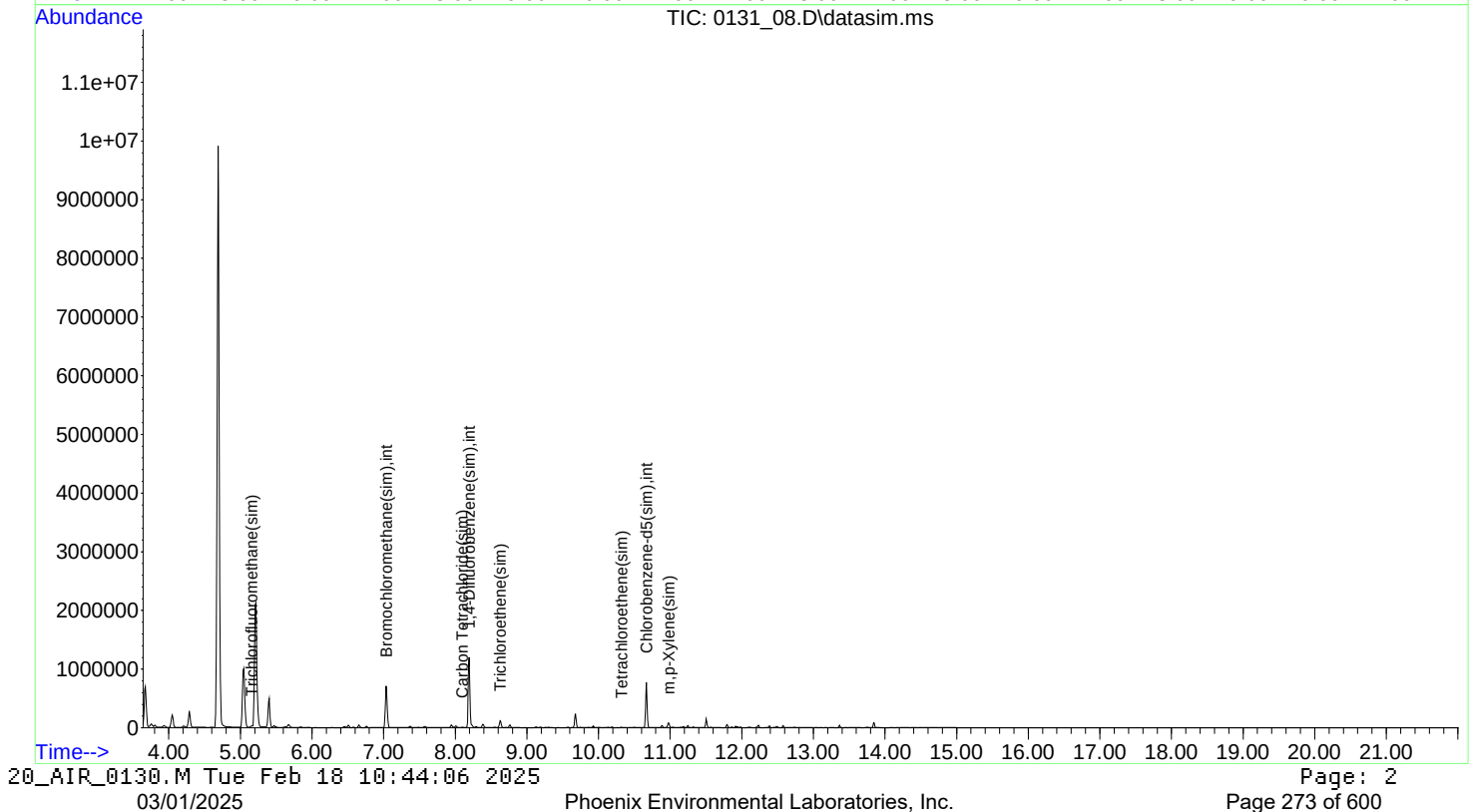
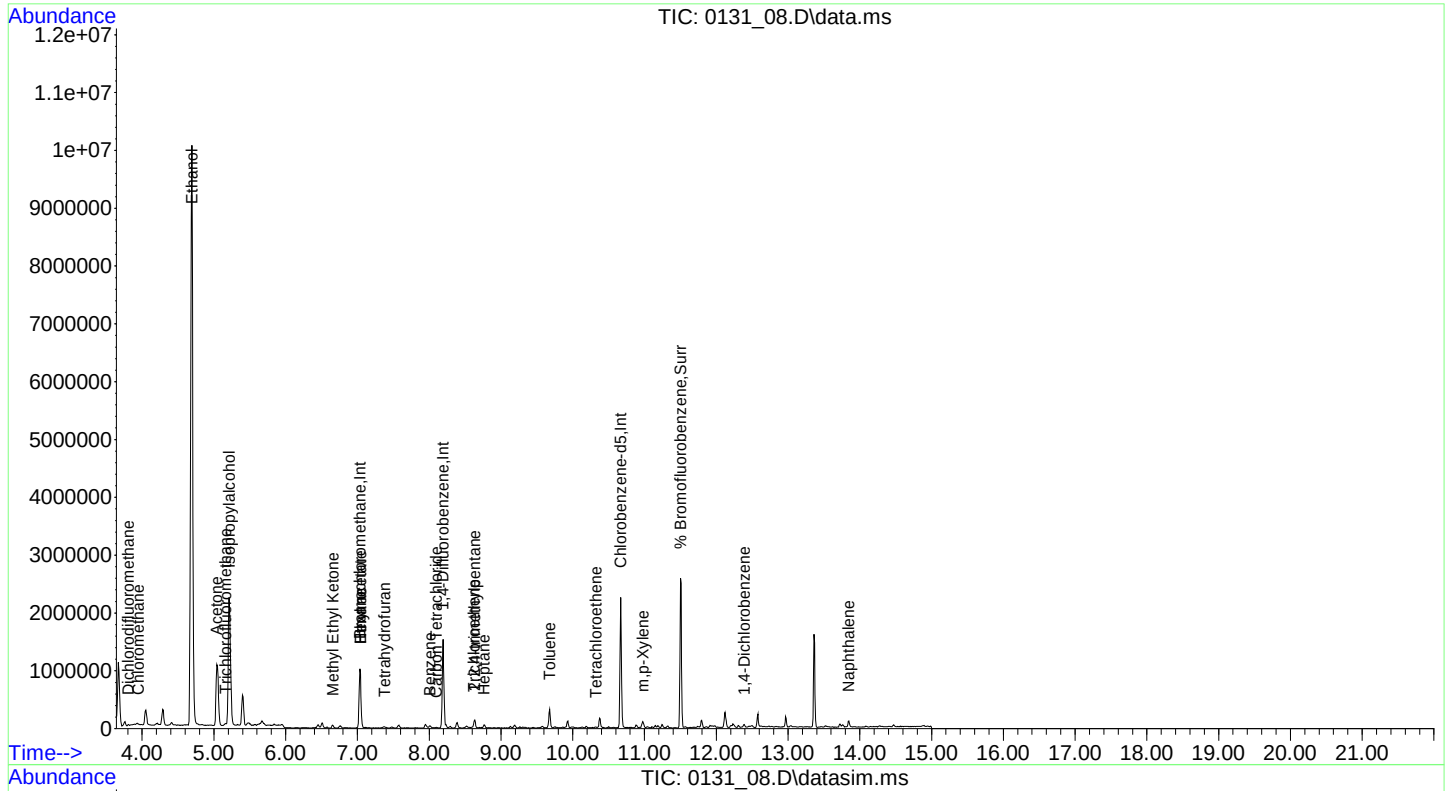
Quant Time: Feb 01 11:26:18 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

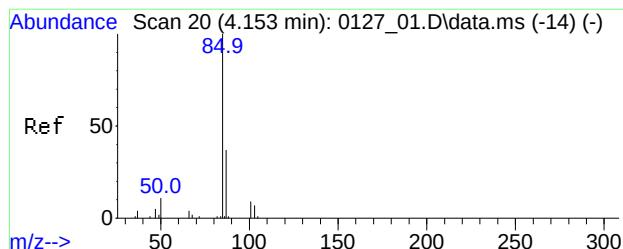
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	335921	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1098560	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	469338	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	376447	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1098560	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	468808	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	605159	11.315	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	113.20%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	3.808	85	40330	0.494	ppbv#	92
4) Chloromethane	3.946	50	23813	0.617	ppbv	99
11) Ethanol	4.692	45	11599974	617.375	ppbv#	41
12) Acetone	5.041	43	1166531	13.481	ppbv#	85
13) Trichlorofluoromethane	5.163	101	25188	0.198	ppbv#	84
14) Isopropylalcohol	5.211	45	2960511	32.833	ppbv#	95
25) Methyl Ethyl Ketone	6.658	43	58470	0.904	ppbv#	91
27) Hexane	7.042	57	25035	0.599	ppbv	95
29) Ethyl acetate	7.042	61	4634	0.481	ppbv#	66
30) Tetrahydrofuran	7.375	42	15576	0.457	ppbv	94
33) Benzene	8.010	78	26189	0.319	ppbv#	93
34) Carbon Tetrachloride	8.097	117	5115	0.084	ppbv	95
39) Trichloroethene	8.624	130	6878	0.129	ppbv#	81
40) 2,2,4-trimethylpentane	8.633	57	65308	0.478	ppbv#	72
43) Heptane	8.763	43	25555	0.436	ppbv#	83
48) Toluene	9.677	91	183742	1.645	ppbv#	97
52) Tetrachloroethene	10.325	166	3643	0.056	ppbv	95
57) m, p-Xylene	10.978	91	59301	0.648	ppbv	100
70) 1,4-Dichlorobenzene	12.389	146	17376	0.171	ppbv	100
76) Naphthalene	13.847	128	79133	0.456	ppbv#	95
82] Trichlorofluoromethane...	5.158	101	26949	0.195	ppbv#	95
86] Carbon Tetrachloride(sim)	8.100	117	4580	0.079	ppbv	93
96] Trichloroethene(sim)	8.627	130	8135	0.143	ppbv#	82
102] Tetrachloroethene(sim)	10.321	166	4353	0.058	ppbv	96
105] m, p-Xylene(sim)	10.978	91	59301	0.590	ppbv#	89

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_08.D
Acq On : 31 Jan 2025 7:26 pm
Operator :
Client ID : IA-H
Lab ID : CS55373
ALS Vial : 3 Sample Multiplier: 1

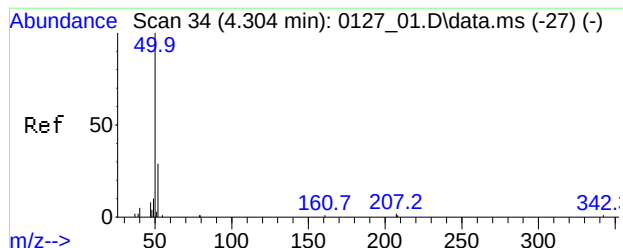
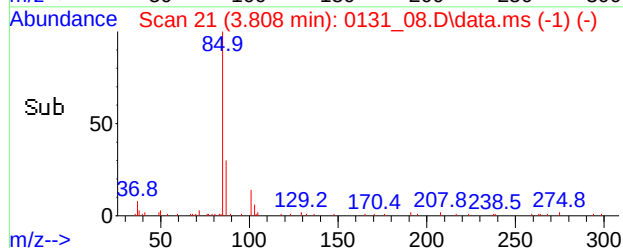
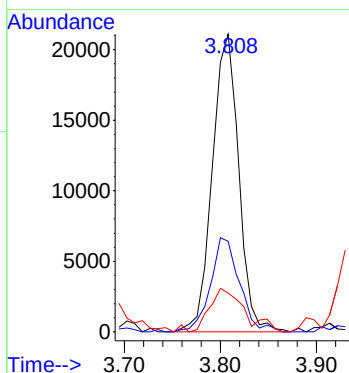
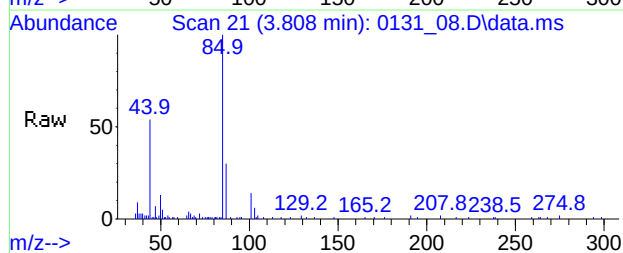
Quant Time: Feb 01 11:26:18 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration





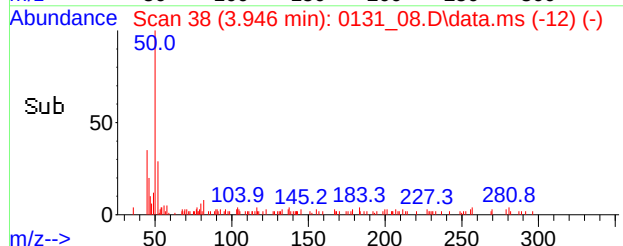
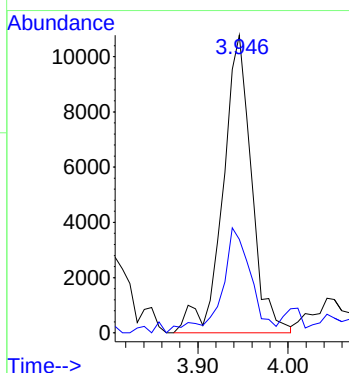
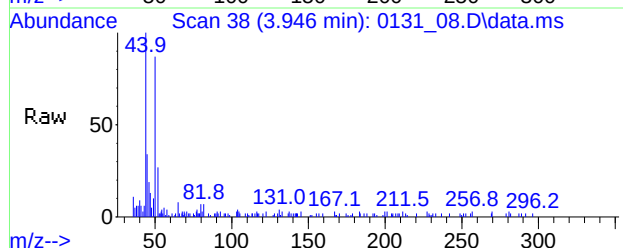
#3
Dichlorodifluoromethane
Conc: 8\$ 0.494 ppbv
RT: 3.808 min Scan# 21
Delta R.T. 0.008 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

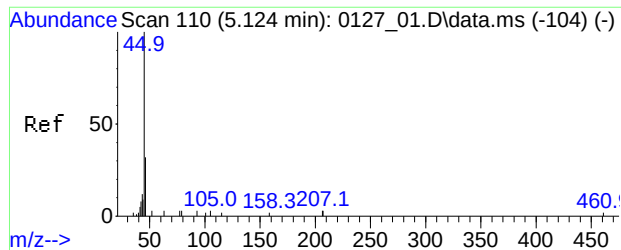
Tgt Ion: 85 Resp: 40330
Ion Ratio Lower Upper
85 100
87 34.8 25.8 38.8
50 19.6 10.6 15.8#



#4
Chloromethane
Conc: 8\$ 0.617 ppbv
RT: 3.946 min Scan# 38
Delta R.T. 0.008 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

Tgt Ion: 50 Resp: 23813
Ion Ratio Lower Upper
50 100
52 35.9 15.5 55.5

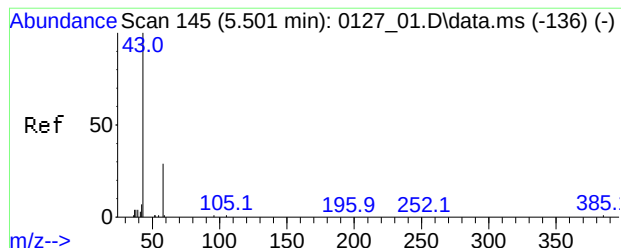
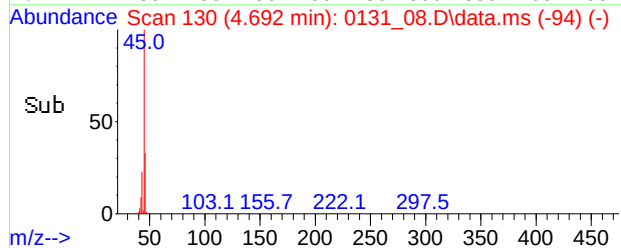
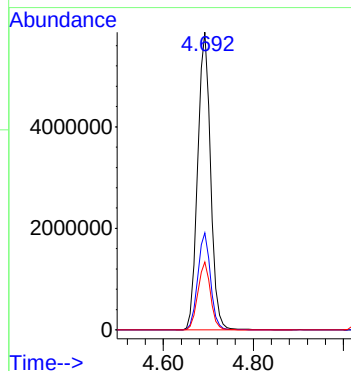
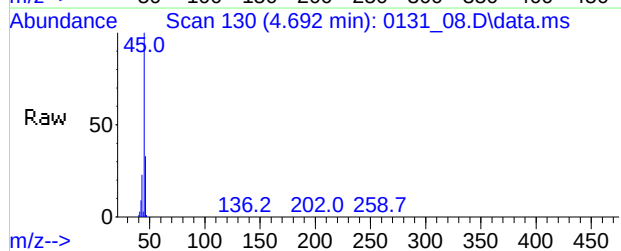




#11
Ethanol
Conc: 8\$ 617.375 ppbv
RT: 4.692 min Scan# 130
Delta R.T. -0.009 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

Tgt Ion: 45 Resp: 11599974

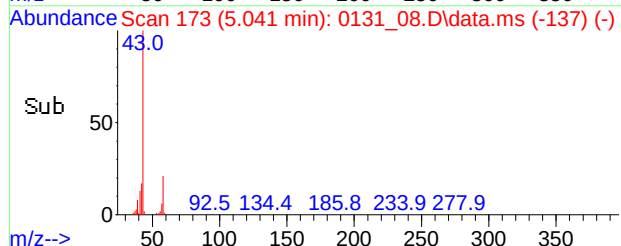
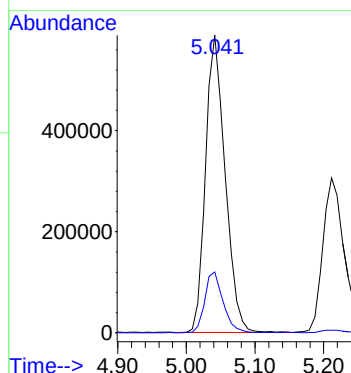
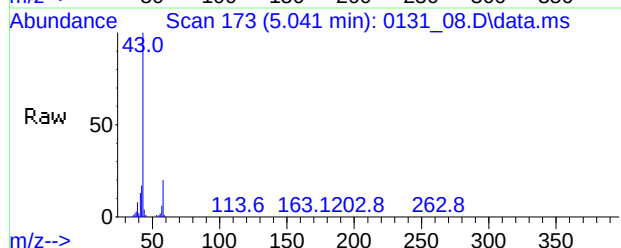
Ion	Ratio	Lower	Upper
45	100		
46	32.1	0.6	0.8#
43	22.3	0.0	0.0#

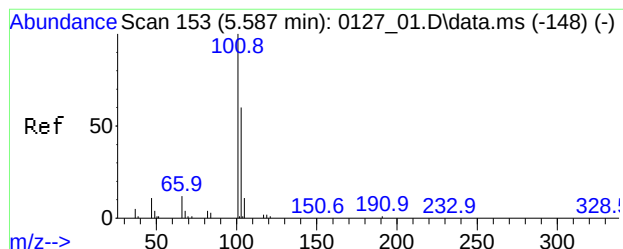


#12
Acetone
Conc: 8\$ 13.481 ppbv
RT: 5.041 min Scan# 173
Delta R.T. -0.008 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

Tgt Ion: 43 Resp: 1166531

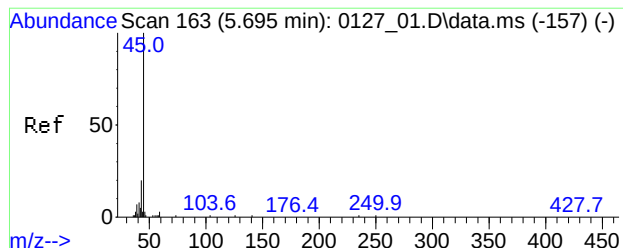
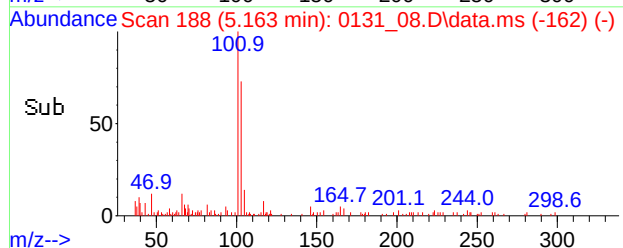
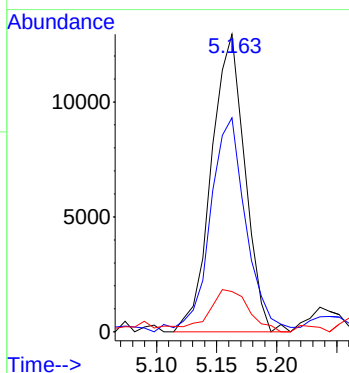
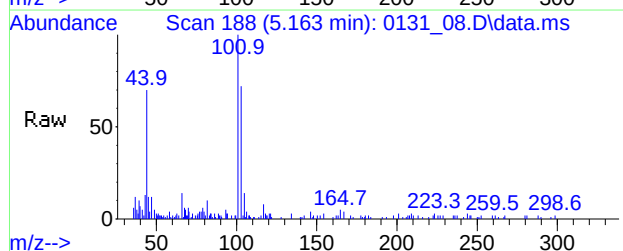
Ion	Ratio	Lower	Upper
43	100		
58	19.2	0.2	0.2#





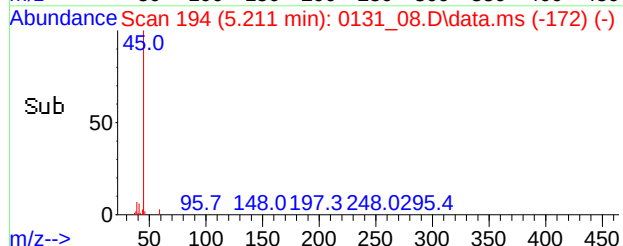
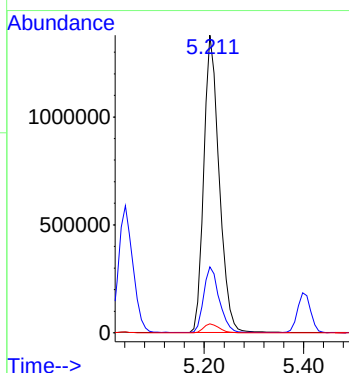
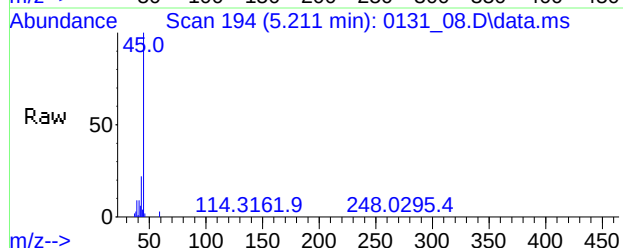
#13
Trichlorofluoromethane
Conc: 8\$ 0.198 ppbv
RT: 5.163 min Scan# 188
Delta R.T. 0.008 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

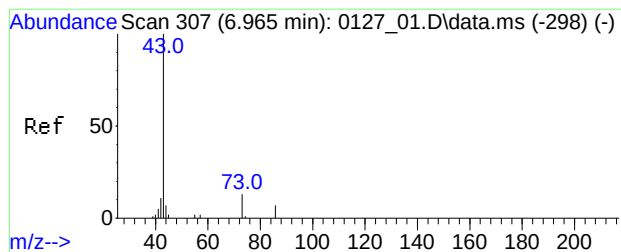
Tgt Ion: 101 Resp: 25188
Ion Ratio Lower Upper
101 100
103 76.9 49.8 74.8#
66 16.9 12.1 18.1



#14
Isopropylalcohol
Conc: 8\$ 32.833 ppbv
RT: 5.211 min Scan# 194
Delta R.T. -0.025 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

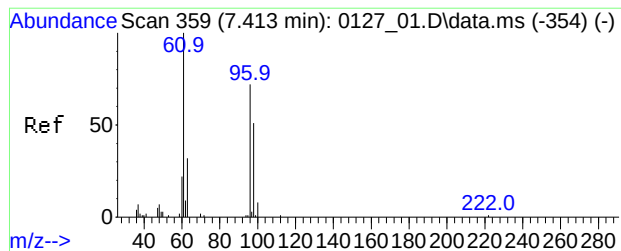
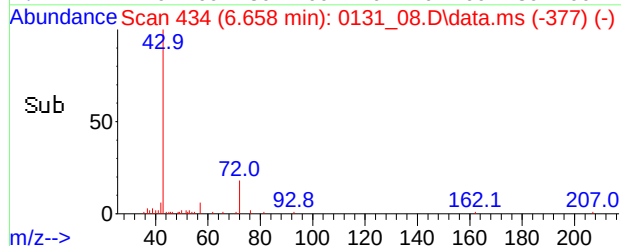
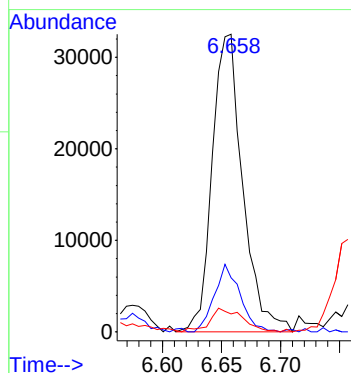
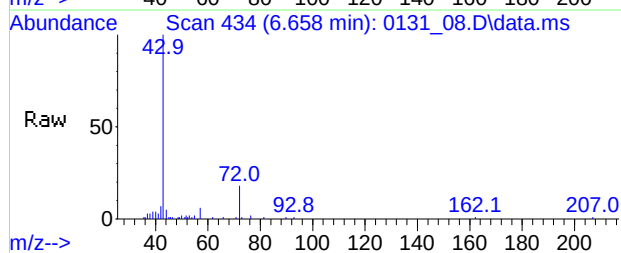
Tgt Ion: 45 Resp: 2960511
Ion Ratio Lower Upper
45 100
43 22.5 0.0 0.0#
59 3.1 0.6 1.0#





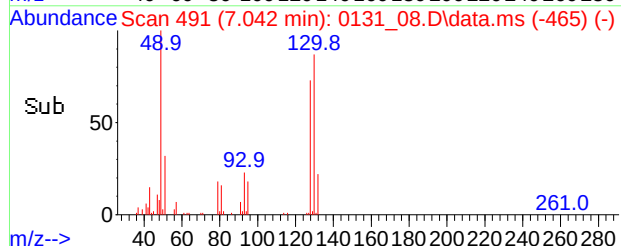
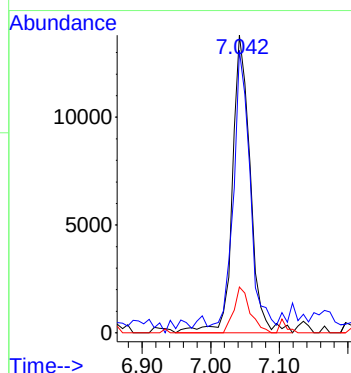
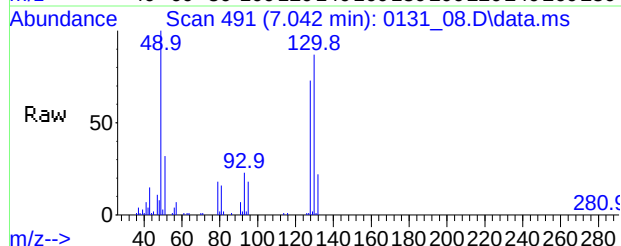
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.904 ppbv
RT: 6.658 min Scan# 434
Delta R.T. -0.005 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

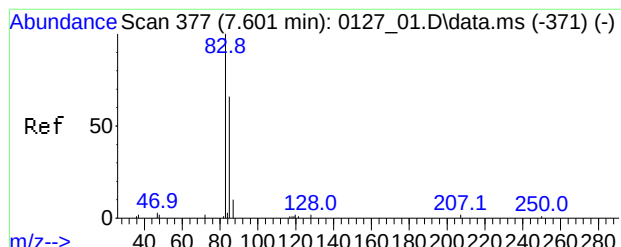
Tgt Ion: 43 Resp: 58470
Ion Ratio Lower Upper
43 100
72 19.1 0.0 0.0#
57 8.5 0.2 0.4#



#27
Hexane
Conc: 8\$ 0.599 ppbv
RT: 7.042 min Scan# 491
Delta R.T. -0.000 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

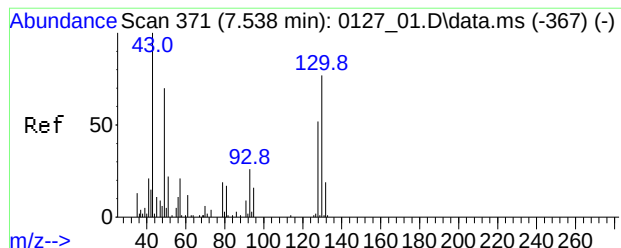
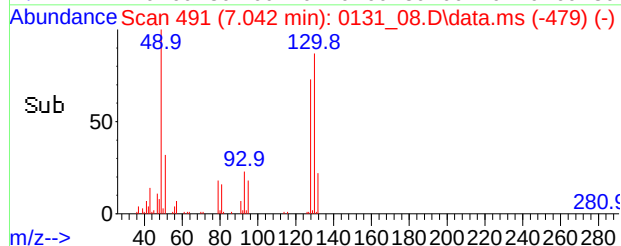
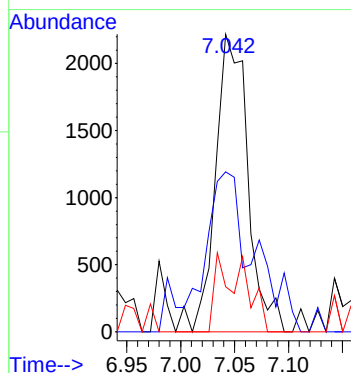
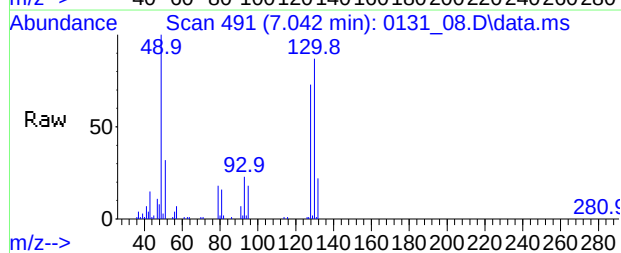
Tgt Ion: 57 Resp: 25035
Ion Ratio Lower Upper
57 100
41 86.2 73.0 109.6
86 13.9 9.8 14.8





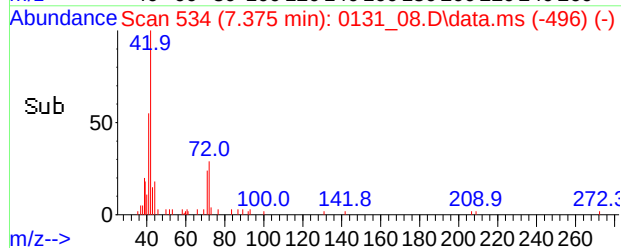
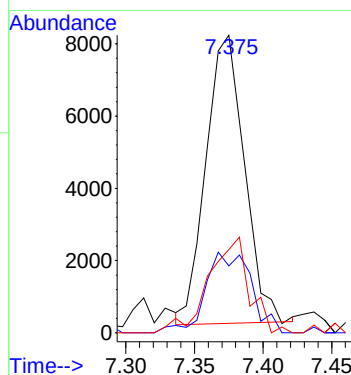
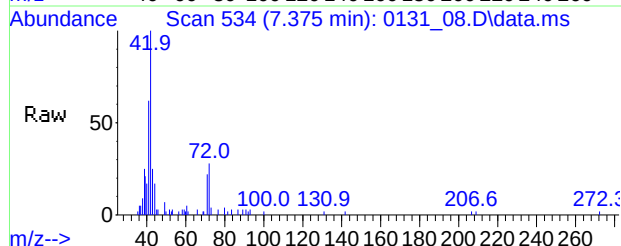
#29
Ethyl acetate
Conc: 8\$ 0.481 ppbv
RT: 7.042 min Scan# 491
Delta R.T. -0.008 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

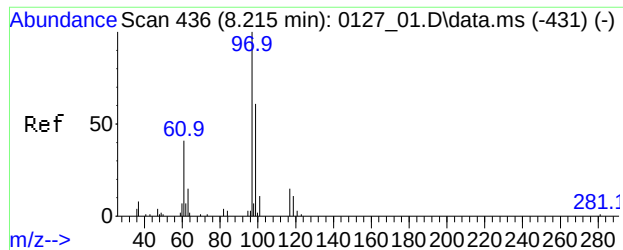
Tgt Ion: 61 Resp: 4634
Ion Ratio Lower Upper
61 100
70 44.3 62.8 94.2#
88 12.1 14.7 22.1#



#30
Tetrahydrofuran
Conc: 8\$ 0.457 ppbv
RT: 7.375 min Scan# 534
Delta R.T. -0.008 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

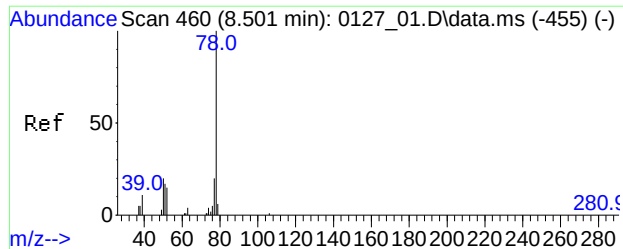
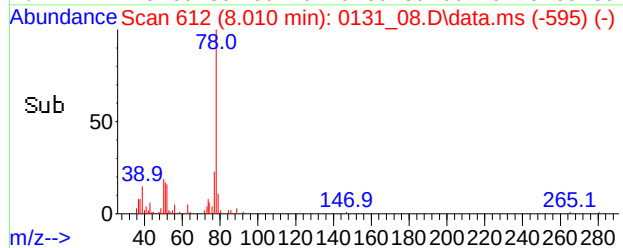
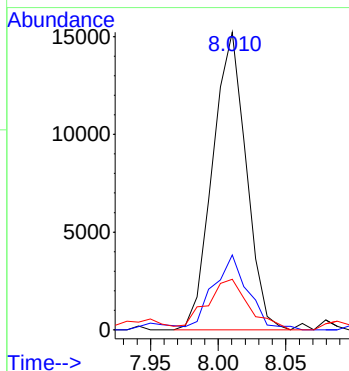
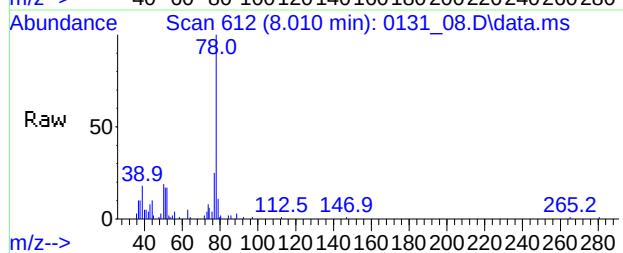
Tgt Ion: 42 Resp: 15576
Ion Ratio Lower Upper
42 100
71 33.0 29.4 44.0
72 34.8 30.2 45.4





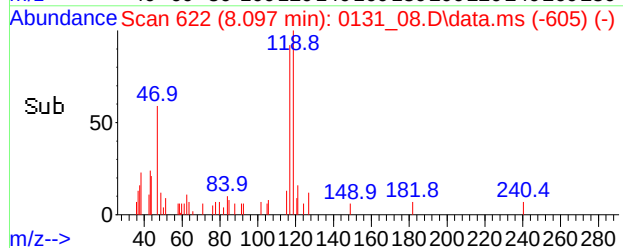
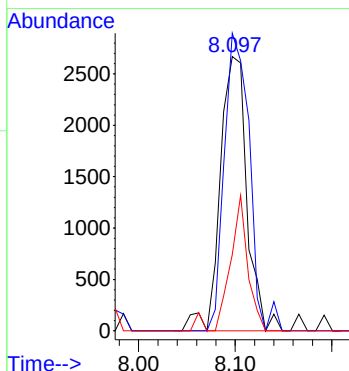
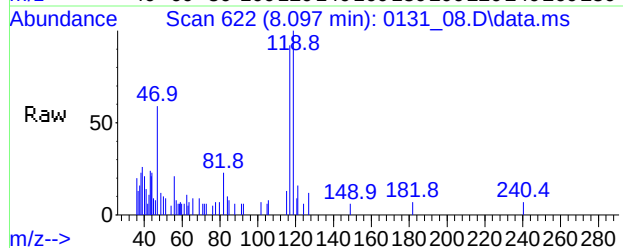
#33
Benzene
Conc: 8\$ 0.319 ppbv
RT: 8.010 min Scan# 612
Delta R.T. 0.008 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

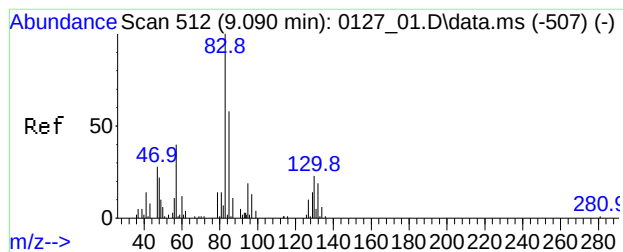
Tgt Ion: 78 Resp: 26189
Ion Ratio Lower Upper
78 100
77 26.2 17.4 26.0#
51 21.4 15.8 23.6



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.097 min Scan# 622
Delta R.T. -0.000 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

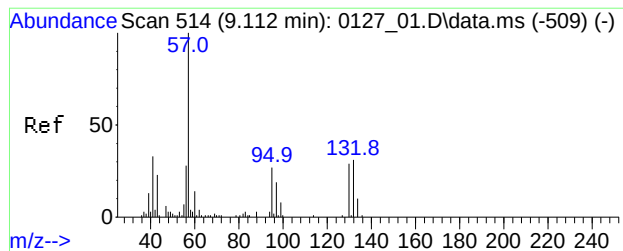
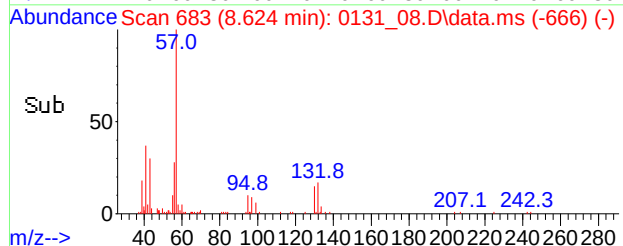
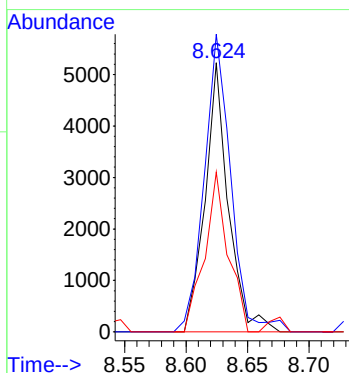
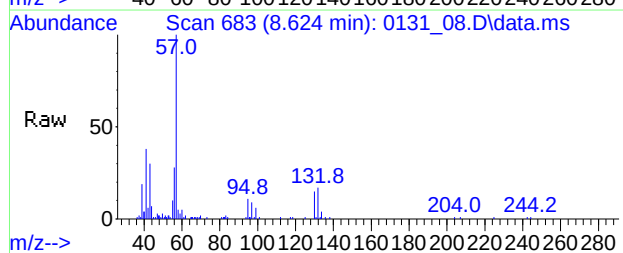
Tgt Ion: 117 Resp: 5115
Ion Ratio Lower Upper
117 100
119 101.4 74.9 114.9
121 31.4 11.2 51.2





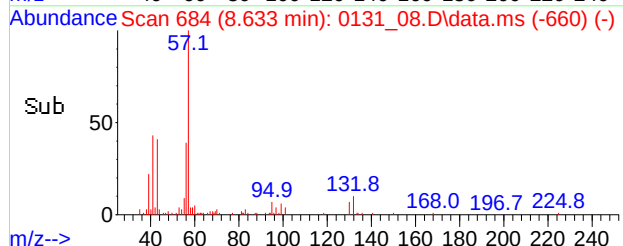
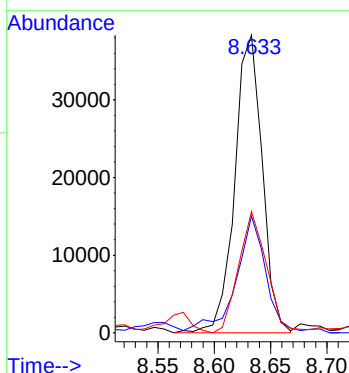
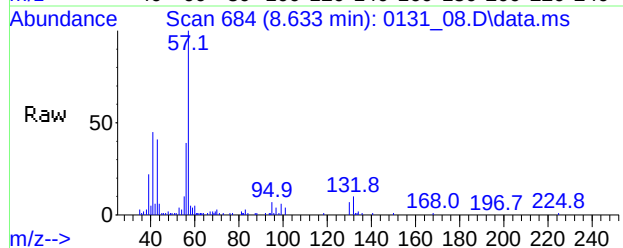
#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 8.624 min Scan# 683
Delta R.T. -0.001 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

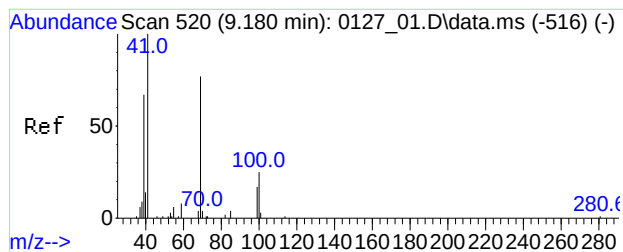
Tgt Ion: 130 Resp: 6878
Ion Ratio Lower Upper
130 100
132 126.0 88.3 132.5
97 60.1 65.9 98.9#



#40
2,2,4-trimethylpentane
Conc: 8\$ 0.478 ppbv
RT: 8.633 min Scan# 684
Delta R.T. 0.008 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

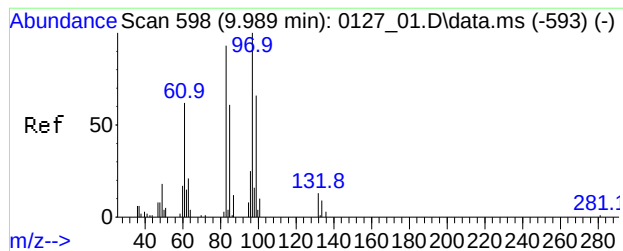
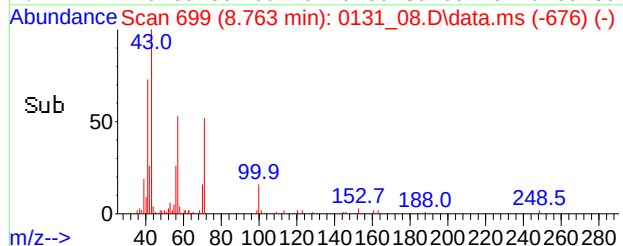
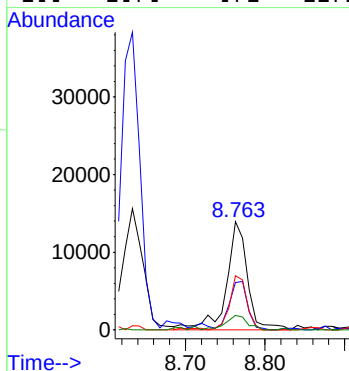
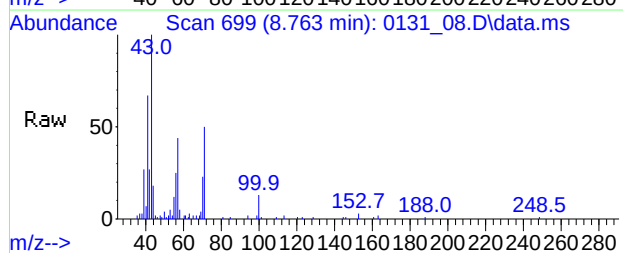
Tgt Ion: 57 Resp: 65308
Ion Ratio Lower Upper
57 100
56 39.7 22.0 33.0#
43 41.7 20.4 30.6#





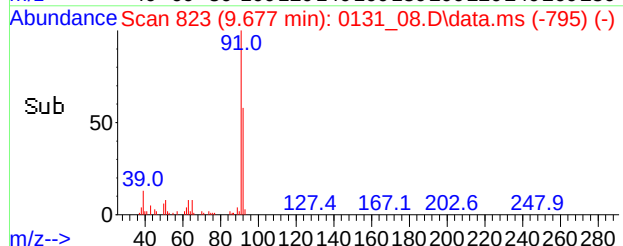
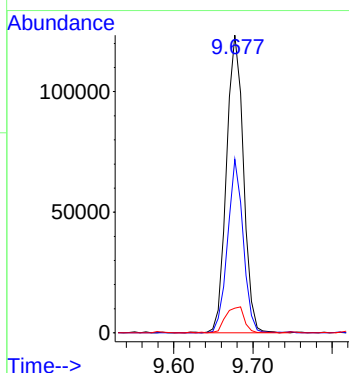
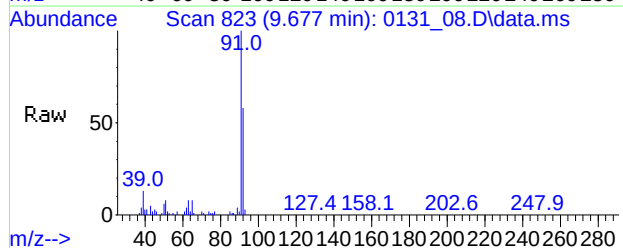
#43
Heptane
Conc: 8\$ 0.436 ppbv
RT: 8.763 min Scan# 699
Delta R.T. -0.000 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

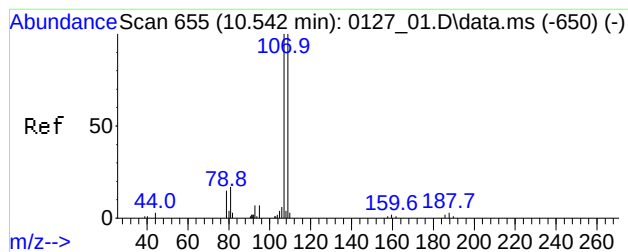
Tgt Ion: 43 Resp: 25555
Ion Ratio Lower Upper
43 100
57 38.8 39.4 59.0#
71 40.5 44.5 66.7#
100 13.8 8.2 12.2#



#48
Toluene
Conc: 8\$ 1.645 ppbv
RT: 9.677 min Scan# 823
Delta R.T. 0.000 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

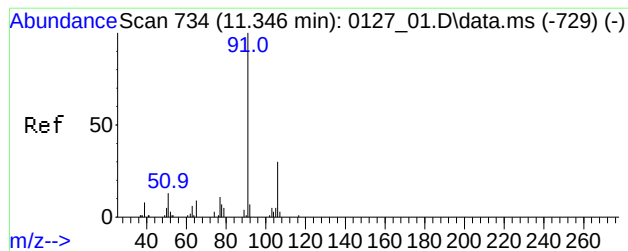
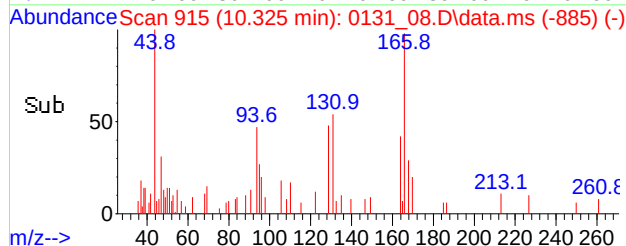
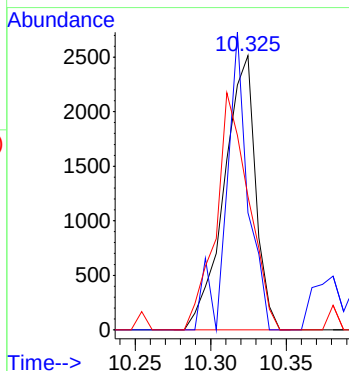
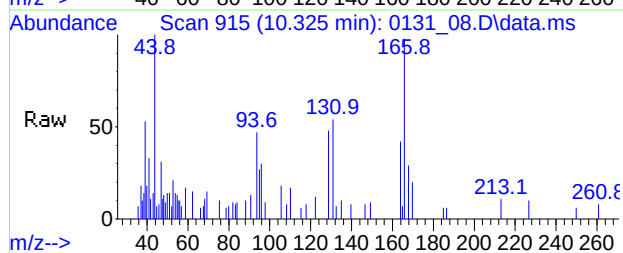
Tgt Ion: 91 Resp: 183742
Ion Ratio Lower Upper
91 100
92 53.5 43.8 65.8
65 9.8 10.6 16.0#





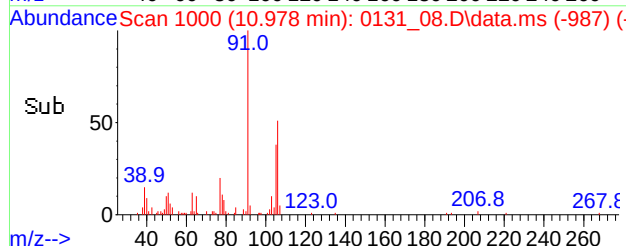
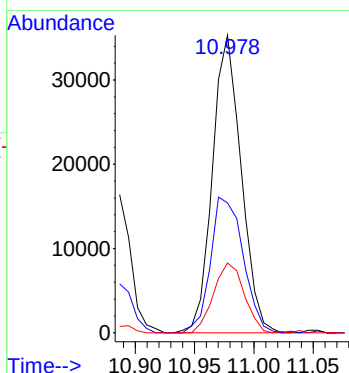
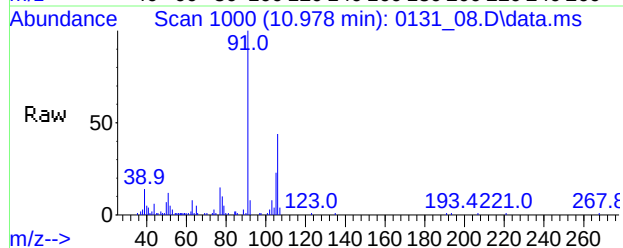
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.325 min Scan# 915
Delta R.T. 0.014 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

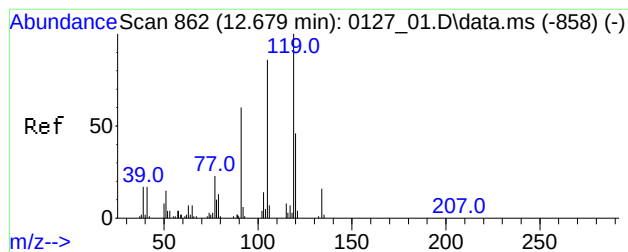
Tgt Ion: 166 Resp: 3643
Ion Ratio Lower Upper
166 100
164 74.8 63.4 95.2
129 90.2 68.4 102.6



#57
m,p-Xylene
Conc: 8\$ 0.648 ppbv
RT: 10.978 min Scan# 1000
Delta R.T. -0.000 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

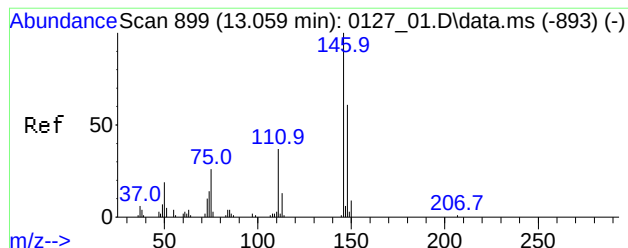
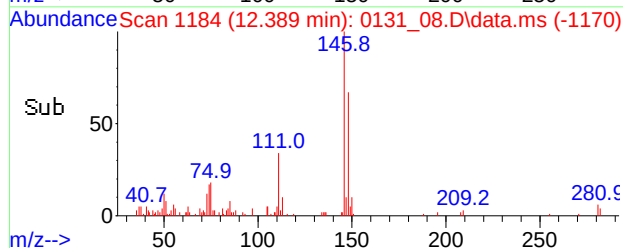
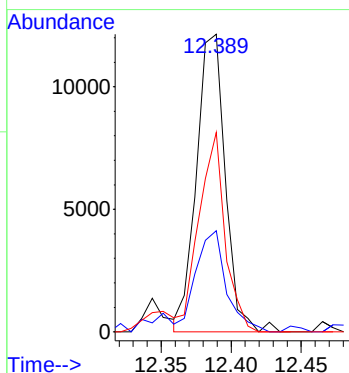
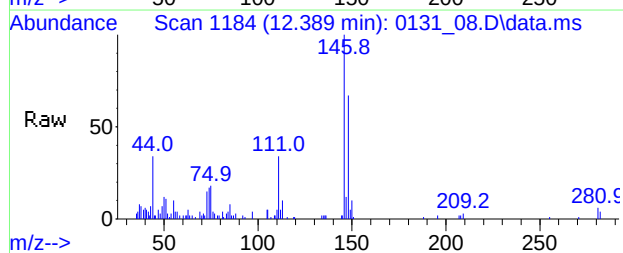
Tgt Ion: 91 Resp: 59301
Ion Ratio Lower Upper
91 100
106 51.7 0.0 0.0#
105 24.9 0.0 0.0#





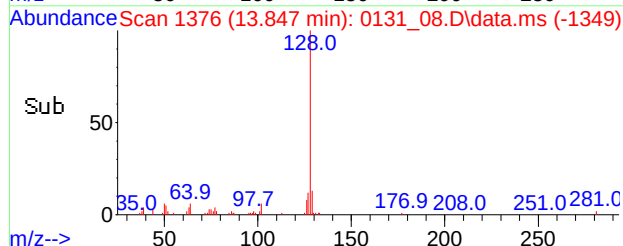
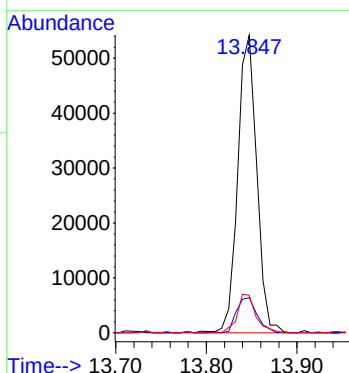
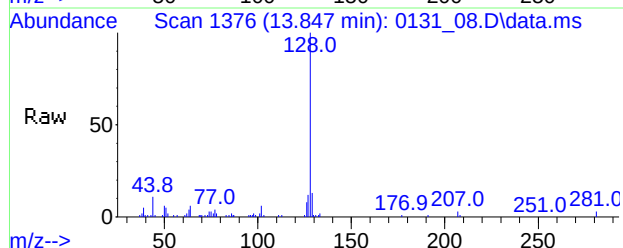
#70
1,4-Dichlorobenzene
Conc: 8\$ 0.171 ppbv
RT: 12.389 min Scan# 1184
Delta R.T. 0.007 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

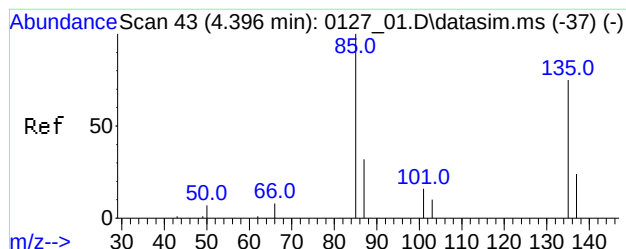
Tgt Ion:146 Resp: 17376
Ion Ratio Lower Upper
146 100
111 42.0 0.0 0.0#
148 68.2 0.0 0.0#



#76
Naphthalene
Conc: 8\$ 0.456 ppbv
RT: 13.847 min Scan# 1376
Delta R.T. 0.007 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

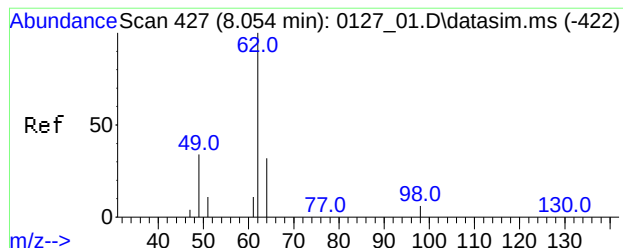
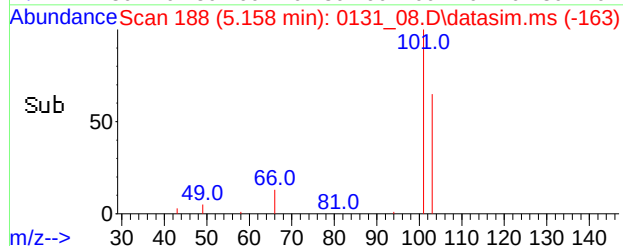
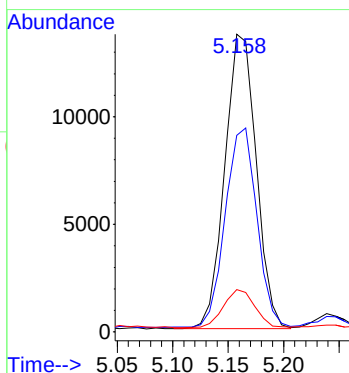
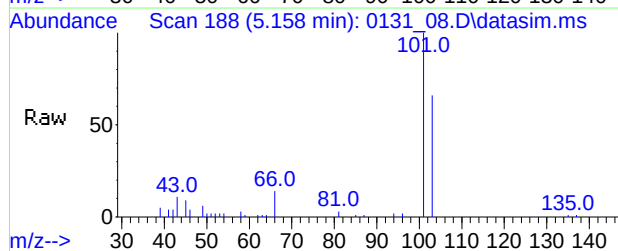
Tgt Ion:128 Resp: 79133
Ion Ratio Lower Upper
128 100
127 13.1 0.0 0.0#
129 12.7 0.1 0.1#





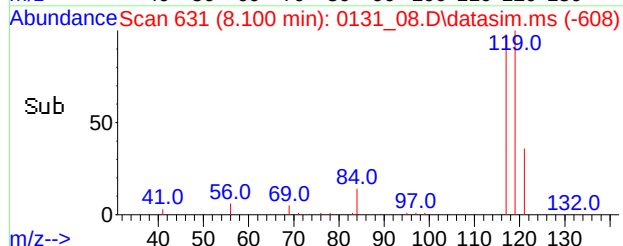
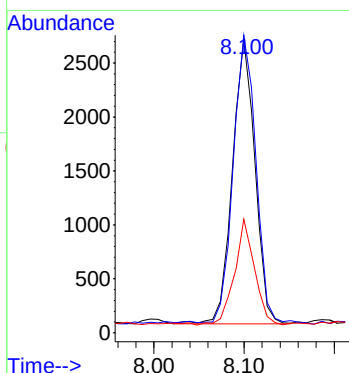
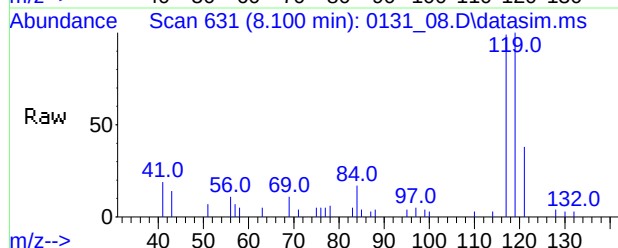
#82
Trichlorofluoromethane(sim)
Conc: 8\$ 0.195 ppbv
RT: 5.158 min Scan# 188
Delta R.T. -0.000 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

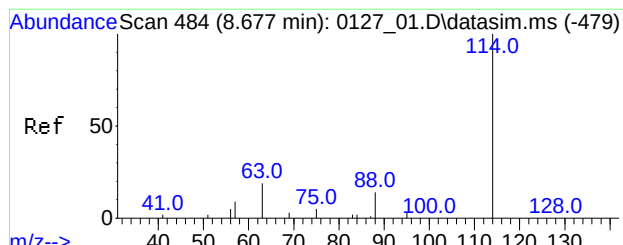
Tgt Ion:101 Resp: 26949
Ion Ratio Lower Upper
101 100
103 68.2 51.4 77.0
66 13.1 15.1 15.1#



#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.079 ppbv
RT: 8.100 min Scan# 631
Delta R.T. -0.000 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

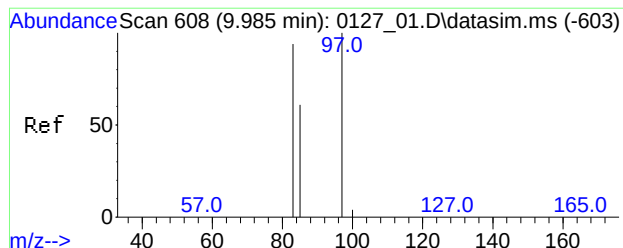
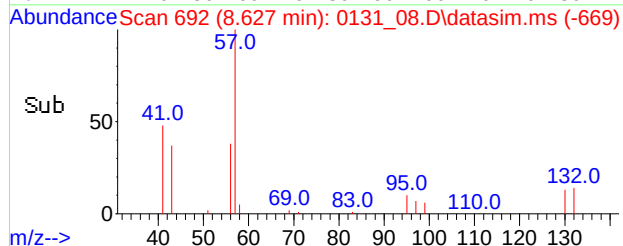
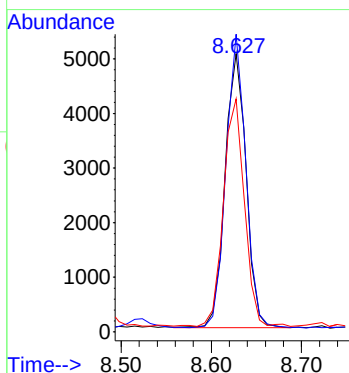
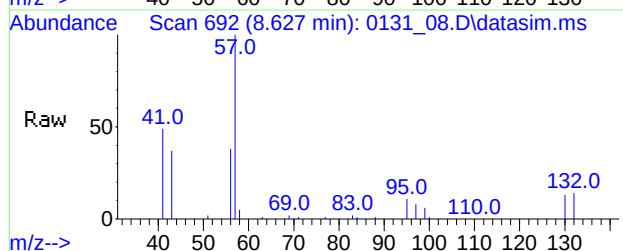
Tgt Ion:117 Resp: 4580
Ion Ratio Lower Upper
117 100
119 103.5 76.6 115.0
121 33.3 24.2 36.4





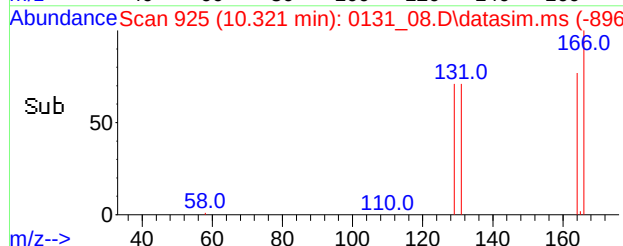
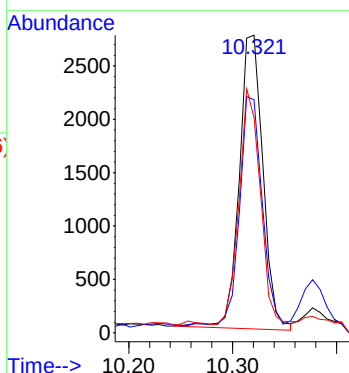
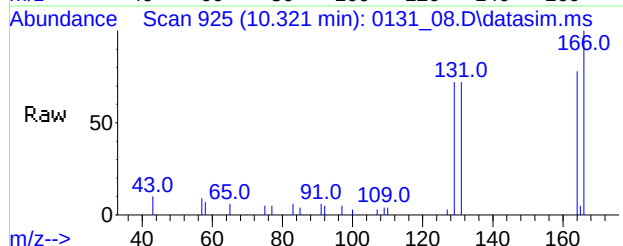
#96
Trichloroethene(sim)
Conc: 8\$ 0.143 ppbv
RT: 8.627 min Scan# 692
Delta R.T. -0.001 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

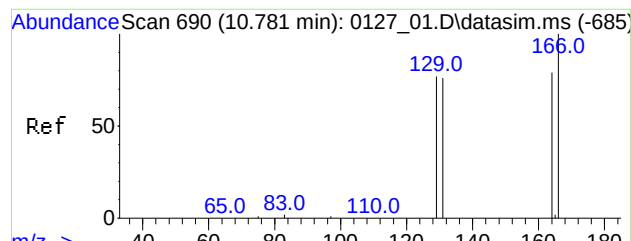
Tgt Ion:130 Resp: 8135
Ion Ratio Lower Upper
130 100
132 102.0 78.4 117.6
95 82.9 92.6 138.8#



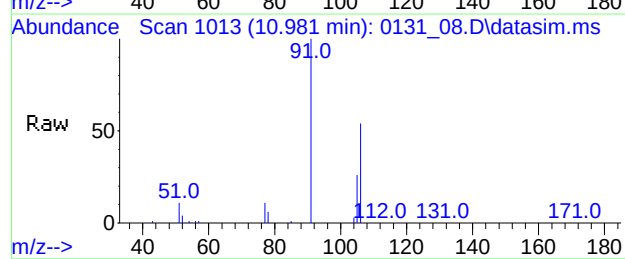
#102
Tetrachloroethene(sim)
Conc: 8\$ 0.058 ppbv
RT: 10.321 min Scan# 925
Delta R.T. 0.007 min
Lab File: 0131_08.D
Acq: 31 Jan 2025 7:26 pm

Tgt Ion:166 Resp: 4353
Ion Ratio Lower Upper
166 100
164 76.8 54.6 94.6
129 76.0 52.2 92.2

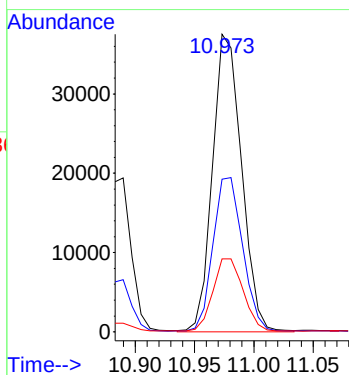
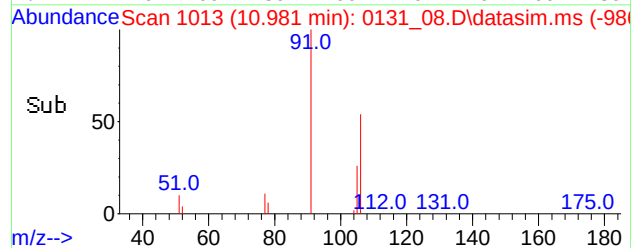




#105
 m,p-Xylene(sim)
 Conc: 8\$ 0.590 ppbv
 RT: 10.978 min Scan# 1013
 Delta R.T. -0.000 min
 Lab File: 0131_08.D
 Acq: 31 Jan 2025 7:26 pm



Tgt Ion: 91 Resp: 59301
 Ion Ratio Lower Upper
 91 100
 106 51.7 39.6 48.4#
 105 24.9 16.6 24.8#



Response Factor Report CHEM20

Method Path : H:\AIR2025\CHEM20\Methods\
 Method File : 20_AIR_0130.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri Jan 31 10:44:33 2025
 Response Via : Initial Calibration

Calibration Files (Note: Curves (l,l,f,q,qf) display calculated conc and corr. coefficient.)

.035=0130_06.D 0.05=0130_07.D 0.10=0130_08.D 0.2=0130_09.D 0.5=0130_10.D 1.0=0130_15.D 2.5=0130_11.D 5.0=0130_12.D
 10=0130_16.D 25=0130_13.D 40=0130_14.D 0.02=0130_05.D 0.01=0130_04.D

Compound	.035	0.05	0.10	0.2	0.5	1.0	2.5	5.0	10	25	40	0.02	0.01	Avg	%RSD
1) Int Bromochloromethane	-----ISTD-----														
2) Propylene				1.052	0.879	0.806	0.743	0.782	0.740	0.753	0.697			0.807	14.03
3) Dichlorodifluo...				2.683	2.329	2.636	2.380	2.431	2.298	2.390	2.296			2.430	6.14
4) Chloromethane				1.489	1.167	1.257	1.044	1.142	1.069	1.063	0.967			1.150	14.15
5) 1,2-Dichlorote...				3.295	3.315	3.596	3.104	3.263	3.090	3.116	2.982			3.220	5.94
6) Vinyl Chloride				1.301	1.221	1.208	1.049	1.099	1.026	1.026	0.965			1.112	10.60
7) 1,3-Butadiene				1.083	1.070	0.946	0.853	0.884	0.834	0.836	0.785			0.912	12.28
8) Bromomethane				1.412	1.328	1.370	1.236	1.241	1.193	1.177	1.119			1.259	8.07
9) Chloroethane				0.579	0.555	0.565	0.498	0.483	0.457	0.467	0.441			0.506	10.53
11) Ethanol					0.691	0.613	0.574	0.549	0.521	0.500	0.467			0.559	13.42
12) Acetone				3.474	2.599	2.855	2.438	2.429	2.317	2.330	2.165			2.576	16.22
13) Trichlorofluor...				4.106	3.809	4.091	3.777	3.777	3.603	3.641	3.436			3.780	6.11
14) Isopropylalcohol				2.990	2.738	3.020	2.657	2.713	2.536	2.509	2.310			2.684	8.94
15) Acrylonitrile				1.034	0.996	1.056	0.879	0.953	0.863	0.891	0.799			0.934	9.68
16) 1,1-Dichloroet...				2.091	2.187	2.261	2.065	2.045	1.917	1.959	1.821			2.043	7.01
17) Methylene Chlo...				2.558	1.981	1.896	1.743	1.719	1.607	1.596	1.471			1.821	18.67
20) Carbon Disulfide				3.260	2.240	3.295	2.828	3.025	2.067	2.642	1.977			2.667	19.63
21) Trichlorotrifl...				3.189	1.889	3.018	2.715	2.734	2.476	2.643	2.463			2.641	14.88
22) Trans-1,2-Dich...				1.193	1.096	1.150	1.031	1.049	1.013	1.055	1.009			1.074	6.22
23) 1,1-Dichloroet...				1.475	1.382	1.391	1.354	1.346	1.291	1.323	1.256			1.352	4.95
24) Methyl tert-bu...				1.997	1.930	2.043	1.828	1.915	1.839	1.925	1.830			1.913	4.13
25) Methyl Ethyl K...				2.065	1.760	2.069	1.941	1.912	1.797	1.919	1.933			1.924	5.71
26) Cis-1,2-Dichlo...				1.020	1.092	1.112	1.030	1.025	0.994	1.036	0.983			1.037	4.29
27) Hexane				1.522	1.158	1.295	1.186	1.190	1.156	1.243	1.207			1.245	9.74
28) Chloroform				1.670	1.674	1.712	1.616	1.651	1.576	1.662	1.568			1.641	3.06
29) Ethyl acetate				0.354	0.269	0.295	0.284	0.279	0.270	0.272	0.273			0.287	9.96
30) Tetrahydrofuran				1.208	1.099	1.009	0.928	0.998	0.954	1.003	0.919			1.015	9.52
31) 1,2-Dichloroet...				1.144	1.054	1.048	1.002	1.012	0.982	1.032	0.982			1.032	5.13
32) 1,1,1-Trichlor...				1.744	1.564	1.773	1.560	1.656	1.639	1.771	1.700			1.676	5.10
33) Benzene				2.557	2.481	2.593	2.390	2.467	2.333	2.460	2.300			2.448	4.18
34) Carbon Tetrach...				1.699	1.625	1.878	1.686	1.794	1.841	1.999	2.013			1.817	7.91
35) Cyclohexane				1.469	0.955	1.027	0.961	0.966	0.897	0.921	0.859			1.007	19.21
36) Int 1,4-Difluorobenzene	-----ISTD-----														
37) 1,2-dichloropr...				0.304	0.310	0.304	0.294	0.307	0.292	0.315	0.319			0.306	3.02
38) Bromodichlorom...				0.492	0.493	0.519	0.527	0.543	0.551	0.676	0.754			0.569	16.61
39) Trichloroethene				0.492	0.475	0.465	0.445	0.455	0.433	0.529	0.589			0.486	10.58
40) 2,2,4-trimethy...				1.275	1.150	1.183	1.143	1.191	1.160	1.362	1.485			1.244	9.87
41) 1,4-Dioxane				0.206	0.166	0.181	0.167	0.179	0.167	0.205	0.223			0.187	11.65
43) Heptane				0.631	0.525	0.515	0.489	0.513	0.492	0.550	0.555			0.534	8.60

Response Factor Report CHEM20

Method Path : H:\AIR2025\CHEM20\Methods\

Method File : 20_AIR_0130.M

Title : VOA Standards for 5 point calibration

44)	cis-1,3-Dichlo...	0.449	0.416	0.434	0.413	0.435	0.435	0.511	0.551	0.455	10.78
45)	4-Methyl-2-pen...	0.860	0.729	0.805	0.741	0.780	0.755	0.878	0.919	0.808	8.67
46)	trans-1,3-Dich...	0.321	0.276	0.312	0.321	0.340	0.342	0.386	0.401	0.337	11.97
47)	1,1,2-Trichlor...	0.422	0.344	0.354	0.331	0.356	0.334	0.366	0.369	0.360	7.94
48)	Toluene	1.018	0.968	1.044	0.995	1.015	0.968	1.069	1.058	1.017	3.81
49)	Dibromochlorom...	0.557	0.590	0.636	0.638	0.687	0.697	0.842	0.889	0.692	16.92
50)	2-Hexanone(MBK)	0.695	0.622	0.739	0.723	0.731	0.719	0.795	0.806	0.729	7.90
51)	1,2-Dibromoeth...	0.613	0.577	0.614	0.611	0.624	0.597	0.669	0.675	0.623	5.42
52)	Tetrachloroethene	0.648	0.572	0.583	0.555	0.580	0.536	0.664	0.632	0.596	7.76

53)	Int Chlorobenzene-d5	-----ISTD-----									
54)	1,1,1,2-Tetrac...	0.950	1.088	1.112	1.023	1.090	1.034	1.024	0.944	1.033	6.06
55)	Chlorobenzene	2.152	1.997	2.053	1.938	1.987	1.746	1.610	1.399	1.860	13.66
56)	Ethylbenzene	2.912	2.863	2.929	2.793	2.869	2.609	2.342	1.924	2.655	13.38
57)	m,p-Xylene	2.056	2.083	1.736	2.085	2.144	1.962	1.869	1.662	1.950	9.10
58)	Bromoform	1.271	1.072	1.222	1.157	1.209	1.235	1.220	1.120	1.188	5.57
59)	Styrene	1.817	1.820	1.744	1.747	1.745	1.611	1.428	1.175	1.636	13.85
60)	1,1,2,2-Tetrac...	2.012	1.774	1.789	1.716	1.693	1.572	1.543	1.426	1.690	10.63
61)	o-Xylene	2.459	2.204	2.290	2.140	2.230	2.048	2.040	1.898	2.164	7.99
62)	Surr% Bromofluorob...	1.259	1.259	1.273	1.235	1.225	1.154	0.950	0.760	1.140	16.35
64)	Isopropylbenzene	3.243	3.444	3.348	3.122	3.237	2.943	2.725	2.293	3.044	12.49
65)	4-Ethyltoluene	3.459	3.427	3.396	3.332	3.330	3.162	2.880	2.383	3.171	11.65
66)	1,3,5-Trimethy...	2.845	2.703	2.745	2.630	2.653	2.287	2.171	1.922	2.494	13.10
67)	1,2,4-Trimethy...	2.813	2.744	2.983	2.829	2.865	2.700	2.991	2.711	2.829	3.99
68)	Benzyl chloride	1.492	1.438	1.740	1.718	1.840	1.891	1.835	1.675	1.704	9.65
69)	1,3-Dichlorobe...	2.599	2.347	2.558	2.285	2.370	2.112	1.931	1.700	2.238	13.77
70)	1,4-Dichlorobe...	2.112	2.257	2.422	2.266	2.170	2.038	2.086	1.973	2.165	6.68
71)	sec-Butylbenzene	4.342	4.109	4.183	4.151	4.190	3.872	3.963	3.363	4.022	7.53
72)	4-Isopropyltol...	4.279	4.078	4.330	4.183	4.265	3.937	3.900	3.358	4.041	7.88
73)	1,2-Dichlorobe...	2.420	2.357	2.311	2.156	2.129	1.928	1.786	1.506	2.074	15.17
74)	n-Butylbenzene	3.543	3.303	3.543	3.297	3.387	3.131	2.929	2.545	3.210	10.51
75)	1,2,4-Trichlor...	1.646	1.643	2.151	1.643	1.535	1.449	1.380	1.189	1.580	17.74
76)	Naphthalene	3.924	3.729	5.210	4.001	3.701	3.397	3.111	2.496	3.696	21.23
77)	Hexachlorobuta...	1.593	1.451	1.501	1.348	1.275	1.170	1.219	1.167	1.340	11.96

78)	int Bromochloromethane...	-----ISTD-----												
79)	1,2-Dichlorote...	3.089	2.704	3.421	2.899	2.930	3.119	2.767	2.857		2.844	3.045	2.967	7.04
80)	Vinyl Chloride...	1.022	1.044	1.128	1.052	1.033	1.107	1.019	1.026		1.160	1.402	1.099	10.65
81)	Bromomethane(sim)	1.239	1.199	1.326	1.243	1.174	1.189	1.108	1.089		1.212	1.383	1.216	7.35
82)	Trichlorofluor...	3.279	3.429	3.888	3.708	3.627	3.847	3.572	3.590		3.442	4.284	3.666	7.81
83)	1,2-Dichloroet...	1.061	0.945	0.973	1.006	0.931	0.909	0.895	0.888		0.926	1.064	0.960	6.74
84)	1,1,1-Trichlor...	1.509	1.425	1.679	1.583	1.592	1.677	1.592	1.650		1.693	1.804	1.620	6.51
85)	Benzene(sim)	2.916	2.684	2.546	2.250	2.192	2.249	2.135					2.425	12.17
86)	Carbon Tetrach...	1.480	1.415	1.517	1.515	1.545	1.739	1.692			1.408	1.606	1.546	7.40
87)	1,1-Dichloroet...	1.926	1.957	2.354	1.840	1.933	1.961	1.845	1.795		1.903	2.024	1.954	7.99
88)	Trichlorotrifl...	2.621	2.770	3.010	2.792	1.867	2.743	2.598	2.594		2.614	2.680	2.629	11.27
89)	Trans-1,2-Dich...	1.065	1.060	1.146	1.049	1.026	1.054	0.921	0.920				1.030	7.38
90)	1,1-Dichloroet...	1.318	1.257	1.454	1.373	1.286	1.323	1.274	1.283		1.318	1.592	1.348	7.65
91)	Cis-1,2-Dichlo...	1.215	0.998	1.316	0.897	0.965	0.964	0.921			1.072	1.227	1.064	14.31
92)	Chloroform(sim)	1.526	1.550	1.657	1.623	1.586	1.624	1.580	1.599		1.467	1.669	1.588	3.86

Response Factor Report CHEM20

Method Path : H:\AIR2025\CHEM20\Methods\
 Method File : 20_AIR_0130.M
 Title : VOA Standards for 5 point calibration

93)	int	1,4-Difluorobenzen...	-----ISTD-----											
94)		1,2-dichloropr...	0.327	0.306	0.339	0.323	0.322	0.332	0.319	0.330	0.308	0.368	0.327	5.32
95)		Bromodichlorom...	0.515	0.474	0.469	0.492	0.493	0.519	0.526	0.543	0.518		0.505	4.92
96)		Trichloroethen...	0.516	0.489	0.554	0.524	0.514	0.533	0.510	0.523	0.495		0.518	3.75
97)		1,4-Dioxane(sim)		0.161	0.173	0.206	0.166	0.181	0.167	0.179			0.176	8.54
98)		cis-1,3-Dichlo...	0.436	0.413	0.456	0.433	0.435	0.475	0.458		0.402	0.518	0.447	7.79
99)		1,1,2-Trichlor...	0.366	0.353	0.397	0.404	0.338	0.355	0.332	0.356	0.398	0.391	0.369	7.16
100)		Dibromochlorom...	0.599	0.560	0.647	0.632	0.630	0.713	0.712		0.571	0.635	0.633	8.48
101)		1,2-Dibromoeth...	0.657	0.652	0.669	0.610	0.577	0.614	0.611	0.625	0.626	0.756	0.640	7.62
102)		Tetrachloroeth...	0.635	0.638	0.722	0.679	0.692	0.688	0.669	0.679	0.685	0.741	0.683	4.77
103)	int	Chlorobenzene-d5(sim)	-----ISTD-----											
104)		Bromoform(sim)	1.210	1.184	1.352	1.317	1.322	1.489	1.362		1.131	1.354	1.302	8.41
105)		m,p-Xylene(sim)		2.161	2.299	2.054	2.083	2.169	2.097	2.142			2.144	3.75
106)		1,1,2,2-Tetrac...	1.898	1.877	2.060	1.968	1.904	1.989	1.886	1.882	1.923	2.266	1.965	6.14
107)		Benzyl chlorid...		1.548	1.442	1.491	1.436	1.739	1.720	1.832			1.601	10.01
108)		1,3-Dichlorobe...	2.847	2.596	2.931	2.827	2.763	2.921	2.690				2.797	4.37
109)		1,4-Dichlorobe...	2.780	1.991	2.361	2.110	2.257	2.421	2.272				2.313	10.90
110)		sec-Butylbenze...			4.930	4.717	4.674	4.797	4.567	4.635			4.720	2.73
111)		4-Isopropyltol...			4.518	4.275	4.079	4.333	4.184	4.247			4.273	3.47
112)		1,2-Dichlorobe...			2.851	2.687	2.615	2.868	2.520	2.478			2.670	6.16
113)		n-Butylbenzene...			3.620	3.540	3.303	3.542	3.297	3.372			3.446	4.02
114)		1,2,4-Trichlor...	2.528	2.110	2.188	2.067	1.975	2.544	2.020	1.878	3.194		2.278	18.17
116)	qfi	Hexachlorobuta...	0.039	0.052	0.104	0.188	0.462	1.022	2.500		0.028	0.020	Coef R2	1.00

(#,\$,@)=Out of Range l=linear lf=linear(0,0) q=Quadratic qf=Quadratic(0,0)

Response Factor Report Chem24

Method Path : H:\AIR2025\CHEM24\Methods\
 Method File : 24_AIR_0114.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri Jan 31 08:37:36 2025
 Response Via : Initial Calibration

Calibration Files (Note: Curves (l,l,f,q,qf) display calculated conc and corr. coefficient.)

.035=0114_05.D 0.05=0114_06.D 0.10=0114_07.D 0.2 =0114_08.D 0.5 =0114_09.D 1.0 =0114_14.D 2.5 =0114_10.D 5.0 =0114_11.D
 10 =0114_15.D 25 =0114_12.D 40 =0114_13.D 0.02=0114_04.D 0.01=0114_03.D

Compound	.035	0.05	0.10	0.2	0.5	1.0	2.5	5.0	10	25	40	0.02	0.01	Avg	%RSD
1) Int Bromochloromethane	-----ISTD-----														
2) Propylene				1.181	0.944	0.826	0.847	0.835	0.842	0.879	0.876			0.904	13.06
3) Dichlorodifluo...				3.099	3.082	3.057	2.956	2.920	3.001	3.013	3.162			3.036	2.61
4) Chloromethane				1.345	1.248	1.059	1.051	1.050	1.038	1.044	1.018			1.106	10.91
5) 1,2-Dichlorote...				3.277	3.242	2.960	3.026	3.028	3.044	3.051	3.004			3.079	3.74
6) Vinyl Chloride				1.246	1.215	1.097	1.121	1.103	1.090	1.107	1.093			1.134	5.37
7) 1,3-Butadiene				1.056	0.984	0.853	0.874	0.862	0.859	0.860	0.855			0.900	8.53
8) Bromomethane				1.536	1.309	1.143	1.161	1.115	1.110	1.111	1.105			1.199	12.68
9) Chloroethane				0.587	0.548	0.493	0.479	0.480	0.468	0.478	0.474			0.501	8.61
11) Ethanol				0.719	0.648	0.540	0.476	0.514	0.476	0.514	0.502			0.549	16.01
12) Acetone				2.238	1.939	1.837	1.775	1.736	1.742	1.797	1.832			1.862	8.87
13) Trichlorofluor...				3.366	3.307	3.171	3.123	3.109	3.145	3.382	3.376			3.248	3.73
14) Isopropylalcohol				2.264	2.250	2.248	2.056	2.202	2.099	2.064	2.079			2.158	4.23
15) Acrylonitrile				0.812	0.816	0.767	0.733	0.737	0.763	0.779	0.787			0.774	3.97
16) 1,1-Dichloroet...				1.968	1.862	1.780	1.797	1.790	1.813	1.845	1.845			1.838	3.29
17) Methylene Chlo...				1.854	1.584	1.421	1.399	1.349	1.355	1.396	1.383			1.468	11.76
20) Carbon Disulfide				3.084	3.041	2.894	2.886	2.860	2.842	2.919	2.895			2.928	2.97
21) Trichlorotrifl...				2.638	2.540	2.402	2.439	2.355	2.389	2.444	2.416			2.453	3.77
22) Trans-1,2-Dich...				1.808	1.742	1.644	1.637	1.647	1.664	1.700	1.710			1.694	3.50
23) 1,1-Dichloroet...				2.186	2.063	1.993	2.010	1.990	2.018	2.059	2.034			2.044	3.11
24) Methyl tert-bu...				2.998	2.843	2.746	2.710	2.728	2.814	2.845	2.843			2.816	3.27
25) Methyl Ethyl K...				2.643	2.479	2.312	2.261	2.275	2.297	2.379	2.376			2.378	5.41
26) Cis-1,2-Dichlo...				1.736	1.629	1.547	1.533	1.541	1.571	1.623	1.622			1.600	4.22
27) Hexane				1.657	1.561	1.541	1.555	1.552	1.571	1.607	1.594			1.580	2.42
28) Chloroform				2.435	2.510	2.347	2.380	2.357	2.408	2.445	2.432			2.414	2.21
29) Ethyl acetate				0.398	0.348	0.363	0.368	0.358	0.373	0.369	0.375			0.369	3.95
30) Tetrahydrofuran				1.140	1.131	1.076	1.103	1.096	1.130	1.143	1.146			1.121	2.29
31) 1,2-Dichloroet...				1.749	1.748	1.666	1.678	1.678	1.691	1.754	1.755			1.715	2.32
32) 1,1,1-Trichlor...				2.615	2.469	2.470	2.461	2.451	2.562	2.615	2.628			2.534	3.10
33) Benzene		3.645		3.391	3.230	3.100	3.107	3.134	3.215	3.260	3.236			3.258	5.24
34) Carbon Tetrach...				2.641	2.637	2.640	2.582	2.632	2.780	2.885	2.925			2.715	4.80
35) Cyclohexane				1.522	1.366	1.177	1.179	1.161	1.192	1.198	1.178			1.247	10.36
36) Int 1,4-Difluorobenzene	-----ISTD-----														
37) 1,2-dichloropr...				0.410	0.385	0.372	0.376	0.383	0.383	0.399	0.402			0.389	3.43
38) Bromodichlorom...				0.749	0.760	0.738	0.734	0.748	0.767	0.800	0.815			0.764	3.85
39) Trichloroethene				0.483	0.490	0.474	0.480	0.476	0.474	0.481	0.487			0.481	1.25
40) 2,2,4-trimethy...				1.577	1.527	1.475	1.476	1.485	1.470	1.505	1.519			1.504	2.41
41) 1,4-Dioxane				0.218	0.197	0.220	0.192	0.214	0.211	0.212	0.217			0.210	4.81
43) Heptane				0.652	0.615	0.587	0.586	0.599	0.585	0.603	0.613			0.605	3.68

Response Factor Report Chem24

Method Path : H:\AIR2025\CHEM24\Methods\

Method File : 24_AIR_0114.M

Title : VOA Standards for 5 point calibration

44)	cis-1,3-Dichlo...	0.575	0.570	0.565	0.565	0.586	0.603	0.628	0.644		0.592	5.11
45)	4-Methyl-2-pen...	0.827	0.802	0.820	0.795	0.847	0.823	0.855	0.863		0.829	2.94
46)	trans-1,3-Dich...	0.455	0.434	0.460	0.453	0.476	0.493	0.521	0.536		0.478	7.43
47)	1,1,2-Trichlor...	0.442	0.420	0.407	0.409	0.418	0.422	0.437	0.445		0.425	3.41
48)	Toluene	1.237	1.180	1.150	1.155	1.176	1.189	1.216	1.208		1.189	2.53
49)	Dibromochlorom...	0.791	0.800	0.818	0.802	0.844	0.893	0.929	0.956		0.854	7.47
50)	2-Hexanone(MBK)	0.604	0.639	0.703	0.687	0.772	0.757	0.790	0.813		0.720	10.38
51)	1,2-Dibromoeth...	0.738	0.728	0.709	0.698	0.712	0.729	0.753	0.765		0.729	3.13
52)	Tetrachloroethene	0.707	0.671	0.652	0.642	0.645	0.648	0.672	0.676		0.664	3.26

53)	Int Chlorobenzene-d5	-----ISTD-----										
54)	1,1,1,2-Tetrac...	1.207	1.174	1.159	1.130	1.132	1.110	1.014	0.934		1.107	8.15
55)	Chlorobenzene	2.154	2.072	2.013	1.955	1.934	1.862	1.682	1.530		1.900	10.84
56)	Ethylbenzene	3.420	3.190	3.165	3.100	3.030	3.049	2.948	2.644	2.385	2.992	10.30
57)	m,p-Xylene	2.545	2.452	2.409	1.934	2.367	2.361	2.279	2.042	1.845	2.248	10.97
58)	Bromoform	1.535	1.561	1.632	1.597	1.661	1.708	1.598	1.477		1.596	4.57
59)	Styrene	1.585	1.645	1.680	1.681	1.700	1.672	1.525	1.404		1.612	6.35
60)	1,1,2,2-Tetrac...	1.819	1.849	1.820	1.852	1.870	1.761	1.617	1.474		1.758	7.97
61)	o-Xylene	2.683	2.602	2.542	2.529	2.473	2.460	2.357	2.134	1.936	2.413	9.86
62)	Surr% Bromofluorob...	1.236	1.249	1.274	1.269	1.286	1.256	1.147	1.049		1.221	6.68
64)	Isopropylbenzene	3.589	3.660	3.547	3.536	3.475	3.292	2.949	2.646		3.337	10.75
66)	4-Ethyltoluene	2.693	3.312	3.488	3.487	3.552	3.406	3.050	2.689		3.210	11.07
67)	1,3,5-Trimethy...	2.995	2.706	2.787	2.732	2.776	2.653	2.433	2.207		2.661	9.05
68)	1,2,4-Trimethy...	2.596	2.698	2.902	2.923	3.012	2.883	2.666	2.418		2.762	7.27
70)	qfi Benzyl chloride	0.078	0.223	0.672	1.928	4.832	10.96	26.41	39.05		Coef R2	1.00
71)	1,3-Dichlorobe...	1.284	1.495	1.723	1.734	1.876	1.846	1.712	1.678		1.669	11.58
72)	1,4-Dichlorobe...	1.077	1.299	1.529	1.556	1.701	1.718	1.683	1.461		1.503	14.80
73)	sec-Butylbenzene	4.400	4.354	4.368	4.389	4.321	4.069	3.721	3.293		4.114	9.86
74)	4-Isopropyltol...	3.792	3.781	3.943	4.000	4.007	3.777	3.490	3.091		3.735	8.28
75)	1,2-Dichlorobe...	1.379	1.443	1.665	1.693	1.851	1.816	1.679	1.546		1.634	10.25
76)	n-Butylbenzene	2.258	2.347	2.801	3.038	3.242	3.211	3.015	2.703		2.827	13.17
77)	qfi 1,2,4-Trichlor...	0.063	0.183	0.909	1.650	4.865	10.42	26.78	39.06		Coef R2	1.00
78)	qfi Naphthalene	0.062	0.196	0.924	1.687	4.985	10.39	26.96	38.88		Coef R2	0.99
79)	Hexachlorobuta...	1.732	1.610	1.746	1.646	1.869	1.776	1.579	1.416		1.672	8.38

80)	int Bromochloromethane...	-----ISTD-----												
81)	1,2-Dichlorote...	3.549	3.461	3.457	3.257	3.229	2.964	3.007	3.029		3.447	3.608	3.301	7.20
82)	Vinyl Chloride...	1.294	1.331	1.331	1.257	1.225	1.141	1.177	1.176		1.340	1.409	1.268	6.89
83)	Bromomethane(sim)	1.376	1.285	1.888	1.527	1.304	1.144	1.155	1.117		1.406	1.289	1.349	16.93
84)	Trichlorofluor...	3.353	3.485	3.717	3.468	3.394	3.311	3.234	3.248		3.380	3.552	3.414	4.30
85)	1,2-Dichloroet...	1.835	1.836	1.926	1.738	1.741	1.668	1.669	1.680		1.891	1.970	1.795	6.21
86)	1,1,1-Trichlor...	2.631	2.752	2.931	2.744	2.682	2.634	2.597	2.641		2.705	2.891	2.721	4.13
87)	Benzene(sim)	3.974	3.931	3.621	3.371	3.218	3.104	3.090				3.473	10.78	
88)	Carbon Tetrach...	2.586	2.671	2.829	2.689	2.636	2.676	2.596			2.597	2.678	2.662	2.79
89)	1,1-Dichloroet...	2.215	2.021	2.037	1.956	1.855	1.782	1.787	1.793		2.289	2.153	1.989	9.37
90)	Trichlorotrifl...	2.601	2.714	2.875	2.684	2.619	2.497	2.483	2.471		2.656	2.864	2.646	5.46
91)	Trans-1,2-Dich...	1.859	1.836	2.025	1.798	1.736	1.646	1.628	1.650		2.117	1.911	1.821	9.04
92)	1,1-Dichloroet...	2.293	2.269	2.434	2.283	2.210	2.110	2.121	2.128		2.260	2.492	2.260	5.67
93)	Cis-1,2-Dichlo...	1.920	1.958	1.946	1.726	1.622	1.549	1.524	1.544		1.941	1.907	1.764	10.70
94)	Chloroform(sim)	2.610	2.681	2.859	2.672	2.621	2.487	2.495	2.502		2.663	2.725	2.631	4.43

Response Factor Report Chem24

Method Path : H:\AIR2025\CHEM24\Methods\
 Method File : 24_AIR_0114.M
 Title : VOA Standards for 5 point calibration

95)	int	1,4-Difluorobenzen...	-----ISTD-----													
96)		1,2-dichloropr...	0.438	0.431	0.465	0.426	0.415	0.393	0.401	0.406			0.463	0.452	0.429	5.94
97)		Bromodichlorom...	0.802	0.720	0.835	0.749	0.760	0.738	0.734	0.748			0.831	0.869	0.779	6.62
98)		Trichloroethen...	0.540	0.520		0.548	0.516	0.506	0.486	0.486	0.487		0.525	0.601	0.522	6.81
99)		1,4-Dioxane(sim)			0.221	0.218	0.197	0.220	0.192	0.214					0.210	5.92
100)		cis-1,3-Dichlo...	0.608	0.593	0.643	0.611	0.603	0.610	0.606			0.610	0.683	0.618		4.48
101)		1,1,2-Trichlor...	0.465	0.421	0.471	0.442	0.420	0.407	0.409	0.418			0.464	0.507	0.442	7.53
102)		Dibromochlorom...	0.809	0.806	0.881	0.810	0.810	0.828	0.812			0.792	0.868	0.824		3.66
103)		1,2-Dibromoeth...	0.785	0.730	0.761	0.732	0.726	0.709	0.698	0.712			0.758	0.808	0.742	4.76
104)		Tetrachloroeth...	0.914	0.875	0.769	0.698	0.686	0.653	0.651	0.657	0.659		0.950	1.117	0.785	20.06
105)	int	Chlorobenzene-d5(sim)	-----ISTD-----													
106)		Bromoform(sim)	1.392	1.445	1.522	1.457	1.464	1.573	1.528				1.429	1.598	1.490	4.63
107)		m,p-Xylene(sim)	2.924	2.980	2.545	2.452	2.408	2.417	2.378	2.368			3.272	3.488	2.723	15.17
108)		1,1,2,2-Tetrac...	1.891	1.851	1.999	1.915	1.898	1.914	1.925	1.956			1.922	2.222	1.949	5.31
111)	qfi	Benzyl chlorid...	0.027	0.036	0.090	0.168	0.443	1.125	2.475						Coef R2	0.99
112)		1,3-Dichlorobe...	1.272	1.204	1.464	1.416	1.674	1.944	1.975				1.421	1.900	1.586	18.68
113)		1,4-Dichlorobe...	1.057	0.937	1.144	1.077	1.299	1.529	1.548				1.069	1.566	1.247	19.60
114)		sec-Butylbenze...	4.588	4.537	4.947	4.774	4.737	4.747	4.745	4.646			4.728	5.819	4.827	7.58
115)		4-Isopropyltol...			3.959	3.792	3.786	3.943	4.000	4.013					3.916	2.59
116)		1,2-Dichlorobe...	1.435	1.312	1.566	1.506	1.602	1.865	1.887	2.045			1.469	2.012	1.670	15.57
117)		n-Butylbenzene...	1.987	1.729	2.065	2.258	2.346	2.801	3.038				1.854	2.731	2.312	19.72
118)	qfi	1,2,4-Trichlor...	0.060	0.060	0.154	0.219	0.419	1.018					0.056		Coef R2	0.99
119)		Hexachlorobuta...	1.599	1.677	1.622	1.670	1.598	1.736	1.626				2.037	3.162	1.859	27.29

(#,\$,@)=Out of Range l=linear lf=linear(0,0) q=Quadratic qf=Quadratic(0,0)

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM20
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCS55361
Calibration Date From: 01/31/25 02:51
Calibration Date Thru: 01/31/25 06:42
Method File: 20_AIR_0130.M

Laboratory File Ids

RRF1	<u>0130_04.D</u>	RRF2	<u>0130_05.D</u>	RRF3	<u>0130_06.D</u>	RRF4	<u>0130_07.D</u>	RRF5	<u>0130_08.D</u>	RRF6	<u>0130_09.D</u>				
RRF7	<u>0130_10.D</u>	RRF8	<u>0130_15.D</u>	RRF9	<u>0130_11.D</u>	RRF10	<u>0130_12.D</u>	RRF11	<u>0130_16.D</u>	RRF12	<u>0130_13.D</u>				
RRF13	<u>0130_14.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
Propylene						1.052	0.879	0.806	0.743	0.782	0.740	0.753	0.697	0.807	14.03
Dichlorodifluoromethane						2.683	2.329	2.636	2.380	2.431	2.298	2.390	2.296	2.430	6.14
Chloromethane						1.489	1.167	1.257	1.044	1.142	1.069	1.063	0.967	1.150	14.15
1,2-Dichlorotetrafluoroethane						3.295	3.315	3.596	3.104	3.263	3.090	3.116	2.982	3.220	5.94
Vinyl Chloride						1.301	1.221	1.208	1.049	1.099	1.026	1.026	0.965	1.112	10.60
1,3-Butadiene						1.083	1.070	0.946	0.853	0.884	0.834	0.836	0.785	0.912	12.28
Bromomethane						1.412	1.328	1.370	1.236	1.241	1.193	1.177	1.119	1.259	8.07
Chloroethane						0.579	0.555	0.565	0.498	0.483	0.457	0.467	0.441	0.506	10.53
Ethanol							0.691	0.613	0.574	0.549	0.521	0.500	0.467	0.559	13.42
Acetone						3.474	2.599	2.855	2.438	2.429	2.317	2.330	2.165	2.576	16.22
Trichlorofluoromethane						4.106	3.809	4.091	3.777	3.777	3.603	3.641	3.436	3.780	6.11
Isopropylalcohol						2.990	2.738	3.020	2.657	2.713	2.536	2.509	2.310	2.684	8.94
Acrylonitrile						1.034	0.996	1.056	0.879	0.953	0.863	0.891	0.799	0.934	9.68
1,1-Dichloroethene						2.091	2.187	2.261	2.065	2.045	1.917	1.959	1.821	2.043	7.01
Methylene Chloride						2.558	1.981	1.896	1.743	1.719	1.607	1.596	1.471	1.821	18.67
Carbon Disulfide						3.260	2.240	3.295	2.828	3.025	2.067	2.642	1.977	2.667	19.63
Trichlorotrifluoroethane						3.189	1.889	3.018	2.715	2.734	2.476	2.643	2.463	2.641	14.88
Trans-1,2-Dichloroethene						1.193	1.096	1.150	1.031	1.049	1.013	1.055	1.009	1.074	6.22
1,1-Dichloroethane						1.475	1.382	1.391	1.354	1.346	1.291	1.323	1.256	1.352	4.95
Methyl tert-butyl ether(MTBE)						1.997	1.930	2.043	1.828	1.915	1.839	1.925	1.830	1.913	4.13
Methyl Ethyl Ketone						2.065	1.760	2.069	1.941	1.912	1.797	1.919	1.933	1.924	5.71
Cis-1,2-Dichloroethene						1.020	1.092	1.112	1.030	1.025	0.994	1.036	0.983	1.037	4.29
Hexane						1.522	1.158	1.295	1.186	1.190	1.156	1.243	1.207	1.245	9.74
Chloroform						1.670	1.674	1.712	1.616	1.651	1.576	1.662	1.568	1.641	3.06

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM20
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCS55361
Calibration Date From: 01/31/25 02:51
Calibration Date Thru: 01/31/25 06:42
Method File: 20_AIR_0130.M

Laboratory File Ids

RRF1	<u>0130_04.D</u>	RRF2	<u>0130_05.D</u>	RRF3	<u>0130_06.D</u>	RRF4	<u>0130_07.D</u>	RRF5	<u>0130_08.D</u>	RRF6	<u>0130_09.D</u>				
RRF7	<u>0130_10.D</u>	RRF8	<u>0130_15.D</u>	RRF9	<u>0130_11.D</u>	RRF10	<u>0130_12.D</u>	RRF11	<u>0130_16.D</u>	RRF12	<u>0130_13.D</u>				
RRF13	<u>0130_14.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
Ethyl acetate						0.354	0.269	0.295	0.284	0.279	0.270	0.272	0.273	0.287	9.96
Tetrahydrofuran						1.208	1.099	1.009	0.928	0.998	0.954	1.003	0.919	1.015	9.52
1,2-Dichloroethane						1.144	1.054	1.048	1.002	1.012	0.982	1.032	0.982	1.032	5.13
1,1,1-Trichloroethane						1.744	1.564	1.773	1.560	1.656	1.639	1.771	1.700	1.676	5.10
Benzene						2.557	2.481	2.593	2.390	2.467	2.333	2.460	2.300	2.448	4.18
Carbon Tetrachloride						1.699	1.625	1.878	1.686	1.794	1.841	1.999	2.013	1.817	7.91
Cyclohexane						1.469	0.955	1.027	0.961	0.966	0.897	0.921	0.859	1.007	19.21
1,2-dichloropropane						0.304	0.310	0.304	0.294	0.307	0.292	0.315	0.319	0.306	3.02
Bromodichloromethane						0.492	0.493	0.519	0.527	0.543	0.551	0.676	0.754	0.569	16.61
Trichloroethene						0.492	0.475	0.465	0.445	0.455	0.433	0.529	0.589	0.486	10.58
2,2,4-trimethylpentane						1.275	1.150	1.183	1.143	1.191	1.160	1.362	1.485	1.244	9.87
1,4-Dioxane						0.206	0.166	0.181	0.167	0.179	0.167	0.205	0.223	0.187	11.65
Heptane						0.631	0.525	0.515	0.489	0.513	0.492	0.550	0.555	0.534	8.60
cis-1,3-Dichloropropene						0.449	0.416	0.434	0.413	0.435	0.435	0.511	0.551	0.455	10.78
4-Methyl-2-pentanone(MIBK)						0.860	0.729	0.805	0.741	0.780	0.755	0.878	0.919	0.808	8.67
trans-1,3-Dichloropropene						0.321	0.276	0.312	0.321	0.340	0.342	0.386	0.401	0.337	11.97
1,1,2-Trichloroethane						0.422	0.344	0.354	0.331	0.356	0.334	0.366	0.369	0.360	7.94
Toluene						1.018	0.968	1.044	0.995	1.015	0.968	1.069	1.058	1.017	3.81
Dibromochloromethane						0.557	0.590	0.636	0.638	0.687	0.697	0.842	0.889	0.692	16.92
2-Hexanone(MBK)						0.695	0.622	0.739	0.723	0.731	0.719	0.795	0.806	0.729	7.90
1,2-Dibromoethane(EDB)						0.613	0.577	0.614	0.611	0.624	0.597	0.669	0.675	0.623	5.42
Tetrachloroethene						0.648	0.572	0.583	0.555	0.580	0.536	0.664	0.632	0.596	7.76
1,1,1,2-Tetrachloroethane						0.950	1.088	1.112	1.023	1.090	1.034	1.024	0.944	1.033	6.06
Chlorobenzene						2.152	1.997	2.053	1.938	1.987	1.746	1.610	1.399	1.860	13.66

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM20
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCS55361
Calibration Date From: 01/31/25 02:51
Calibration Date Thru: 01/31/25 06:42
Method File: 20_AIR_0130.M

Laboratory File Ids

RRF1	<u>0130_04.D</u>	RRF2	<u>0130_05.D</u>	RRF3	<u>0130_06.D</u>	RRF4	<u>0130_07.D</u>	RRF5	<u>0130_08.D</u>	RRF6	<u>0130_09.D</u>				
RRF7	<u>0130_10.D</u>	RRF8	<u>0130_15.D</u>	RRF9	<u>0130_11.D</u>	RRF10	<u>0130_12.D</u>	RRF11	<u>0130_16.D</u>	RRF12	<u>0130_13.D</u>				
RRF13	<u>0130_14.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
Ethylbenzene						2.912	2.863	2.929	2.793	2.869	2.609	2.342	1.924	2.655	13.38
m,p-Xylene						2.056	2.083	1.736	2.085	2.144	1.962	1.869	1.662	1.950	9.10
Bromoform						1.271	1.072	1.222	1.157	1.209	1.235	1.220	1.120	1.188	5.57
Styrene						1.817	1.820	1.744	1.747	1.745	1.611	1.428	1.175	1.636	13.85
1,1,2,2-Tetrachloroethane						2.012	1.774	1.789	1.716	1.693	1.572	1.543	1.426	1.690	10.63
o-Xylene						2.459	2.204	2.290	2.140	2.230	2.048	2.040	1.898	2.164	7.99
Isopropylbenzene						3.243	3.444	3.348	3.122	3.237	2.943	2.725	2.293	3.044	12.49
4-Ethyltoluene						3.459	3.427	3.396	3.332	3.330	3.162	2.880	2.383	3.171	11.65
1,3,5-Trimethylbenzene						2.845	2.703	2.745	2.630	2.653	2.287	2.171	1.922	2.494	13.10
1,2,4-Trimethylbenzene						2.813	2.744	2.983	2.829	2.865	2.700	2.991	2.711	2.829	3.99
Benzyl chloride						1.492	1.438	1.740	1.718	1.840	1.891	1.835	1.675	1.704	9.65
1,3-Dichlorobenzene						2.599	2.347	2.558	2.285	2.370	2.112	1.931	1.700	2.238	13.77
1,4-Dichlorobenzene						2.112	2.257	2.422	2.266	2.170	2.038	2.086	1.973	2.165	6.68
sec-Butylbenzene						4.342	4.109	4.183	4.151	4.190	3.872	3.963	3.363	4.022	7.53
4-Isopropyltoluene						4.279	4.078	4.330	4.183	4.265	3.937	3.900	3.358	4.041	7.88
1,2-Dichlorobenzene						2.420	2.357	2.311	2.156	2.129	1.928	1.786	1.506	2.074	15.17
n-Butylbenzene						3.543	3.303	3.543	3.297	3.387	3.131	2.929	2.545	3.210	10.51
1,2,4-Trichlorobenzene						1.646	1.643	2.151	1.643	1.535	1.449	1.380	1.189	1.580	17.74
Naphthalene						3.924	3.729	5.210	4.001	3.701	3.397	3.111	2.496	3.696	21.23
Hexachlorobutadiene						1.593	1.451	1.501	1.348	1.275	1.170	1.219	1.167	1.340	11.96
1,2-Dichlorotetrafluoroethane(sim)	3.045	2.844	3.089	2.704	3.421	2.899	2.930	3.119	2.767	2.857				2.967	7.04
Vinyl Chloride(sim)	1.402	1.160	1.022	1.044	1.128	1.052	1.033	1.107	1.019	1.026				1.099	10.65
Bromomethane(sim)	1.383	1.212	1.239	1.199	1.326	1.243	1.174	1.189	1.108	1.089				1.216	7.35
Trichlorofluoromethane(sim)	4.284	3.442	3.279	3.429	3.888	3.708	3.627	3.847	3.572	3.590				3.666	7.81

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM20
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCS55361
Calibration Date From: 01/31/25 02:51
Calibration Date Thru: 01/31/25 06:42
Method File: 20_AIR_0130.M

Laboratory File Ids

RRF1	<u>0130_04.D</u>	RRF2	<u>0130_05.D</u>	RRF3	<u>0130_06.D</u>	RRF4	<u>0130_07.D</u>	RRF5	<u>0130_08.D</u>	RRF6	<u>0130_09.D</u>				
RRF7	<u>0130_10.D</u>	RRF8	<u>0130_15.D</u>	RRF9	<u>0130_11.D</u>	RRF10	<u>0130_12.D</u>	RRF11	<u>0130_16.D</u>	RRF12	<u>0130_13.D</u>				
RRF13	<u>0130_14.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
1,2-Dichloroethane(sim)	1.064	0.926	1.061	0.945	0.973	1.006	0.931	0.909	0.895	0.888				0.960	6.74
1,1,1-Trichloroethane(sim)	1.804	1.693	1.509	1.425	1.679	1.583	1.592	1.677	1.592	1.650				1.620	6.51
Benzene(sim)			2.916	2.684	2.546	2.250	2.192	2.249	2.135					2.425	12.17
Carbon Tetrachloride(sim)	1.606	1.408	1.480	1.415	1.517	1.515	1.545	1.739	1.692					1.546	7.40
1,1-Dichloroethene(sim)	2.024	1.903	1.926	1.957	2.354	1.840	1.933	1.961	1.845	1.795				1.954	7.99
Trichlorotrifluoroethane(sim)	2.68	2.614	2.621	2.770	3.010	2.792	1.867	2.743	2.598	2.594				2.629	11.27
Trans-1,2-Dichloroethene(sim)			1.065	1.060	1.146	1.049	1.026	1.054	0.921	0.920				1.030	7.38
1,1-Dichloroethane(sim)	1.592	1.318	1.318	1.257	1.454	1.373	1.286	1.323	1.274	1.283				1.348	7.65
Cis-1,2-Dichloroethene(sim)	1.227	1.072	1.215	0.998	1.316	0.897	0.965	0.964	0.921					1.064	14.31
Chloroform(sim)	1.669	1.467	1.526	1.550	1.657	1.623	1.586	1.624	1.580	1.599				1.588	3.86
1,2-dichloropropane(sim)	0.368	0.308	0.327	0.306	0.339	0.323	0.322	0.332	0.319	0.330				0.327	5.32
Bromodichloromethane(sim)		0.518	0.515	0.474	0.469	0.492	0.493	0.519	0.526	0.543				0.505	4.92
Trichloroethene(sim)		0.495	0.516	0.489	0.554	0.524	0.514	0.533	0.510	0.523				0.518	3.75
1,4-Dioxane(sim)				0.161	0.173	0.206	0.166	0.181	0.167	0.179				0.176	8.54
cis-1,3-Dichloropropene(sim)	0.518	0.402	0.436	0.413	0.456	0.433	0.435	0.475	0.458					0.447	7.79
1,1,2-Trichloroethane(sim)	0.391	0.398	0.366	0.353	0.397	0.404	0.338	0.355	0.332	0.356				0.369	7.16
Dibromochloromethane(sim)	0.635	0.571	0.599	0.560	0.647	0.632	0.630	0.713	0.712					0.633	8.48
1,2-Dibromoethane(EDB)(sim)	0.756	0.626	0.657	0.652	0.669	0.610	0.577	0.614	0.611	0.625				0.640	7.62
Tetrachloroethene(sim)	0.741	0.685	0.635	0.638	0.722	0.679	0.692	0.688	0.669	0.679				0.683	4.77
Bromoform(sim)	1.354	1.131	1.210	1.184	1.352	1.317	1.322	1.489	1.362					1.302	8.41
m,p-Xylene(sim)				2.161	2.299	2.054	2.083	2.169	2.097	2.142				2.144	3.75
1,1,2,2-Tetrachloroethane(sim)	2.266	1.923	1.898	1.877	2.060	1.968	1.904	1.989	1.886	1.882				1.965	6.14
Benzyl chloride(sim)				1.548	1.442	1.491	1.436	1.739	1.720	1.832				1.601	10.01
1,3-Dichlorobenzene(sim)			2.847	2.596	2.931	2.827	2.763	2.921	2.690					2.797	4.37

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
 Lab Code: Phoenix
 Instrument ID: CHEM20
 Heated Purge (Y/N): Y
 GC Column: _____

Client: FPMGROUP
 SDG No.: GCS55361
 Calibration Date From: 01/31/25 02:51
 Calibration Date Thru: 01/31/25 06:42
 Method File: 20_AIR_0130.M

Laboratory File Ids

RRF1	<u>0130_04.D</u>	RRF2	<u>0130_05.D</u>	RRF3	<u>0130_06.D</u>	RRF4	<u>0130_07.D</u>	RRF5	<u>0130_08.D</u>	RRF6	<u>0130_09.D</u>	RRF7	<u>0130_10.D</u>	RRF8	<u>0130_11.D</u>	RRF9	<u>0130_12.D</u>	RRF10	<u>0130_13.D</u>	RRF11	<u>0130_14.D</u>	RRF12	<u>0130_15.D</u>	RRF13	<u>0130_16.D</u>	RRF14	<u>0130_17.D</u>	RRF15	<u>0130_18.D</u>	RRF16	<u>0130_19.D</u>	RRF17	<u>0130_20.D</u>	RRF18	<u>0130_21.D</u>	RRF19	<u>0130_22.D</u>	RRF20	<u>0130_23.D</u>	RRF21	<u>0130_24.D</u>	RRF22	<u>0130_25.D</u>	RRF23	<u>0130_26.D</u>	RRF24	<u>0130_27.D</u>	RRF25	<u>0130_28.D</u>	RRF26	<u>0130_29.D</u>	RRF27	<u>0130_30.D</u>	RRF28	<u>0130_31.D</u>	RRF29	<u>0130_32.D</u>	RRF30	<u>0130_33.D</u>	RRF31	<u>0130_34.D</u>	RRF32	<u>0130_35.D</u>	RRF33	<u>0130_36.D</u>	RRF34	<u>0130_37.D</u>	RRF35	<u>0130_38.D</u>	RRF36	<u>0130_39.D</u>	RRF37	<u>0130_40.D</u>	RRF38	<u>0130_41.D</u>	RRF39	<u>0130_42.D</u>	RRF40	<u>0130_43.D</u>	RRF41	<u>0130_44.D</u>	RRF42	<u>0130_45.D</u>	RRF43	<u>0130_46.D</u>	RRF44	<u>0130_47.D</u>	RRF45	<u>0130_48.D</u>	RRF46	<u>0130_49.D</u>	RRF47	<u>0130_50.D</u>	RRF48	<u>0130_51.D</u>	RRF49	<u>0130_52.D</u>	RRF50	<u>0130_53.D</u>	RRF51	<u>0130_54.D</u>	RRF52	<u>0130_55.D</u>	RRF53	<u>0130_56.D</u>	RRF54	<u>0130_57.D</u>	RRF55	<u>0130_58.D</u>	RRF56	<u>0130_59.D</u>	RRF57	<u>0130_60.D</u>	RRF58	<u>0130_61.D</u>	RRF59	<u>0130_62.D</u>	RRF60	<u>0130_63.D</u>	RRF61	<u>0130_64.D</u>	RRF62	<u>0130_65.D</u>	RRF63	<u>0130_66.D</u>	RRF64	<u>0130_67.D</u>	RRF65	<u>0130_68.D</u>	RRF66	<u>0130_69.D</u>	RRF67	<u>0130_70.D</u>	RRF68	<u>0130_71.D</u>	RRF69	<u>0130_72.D</u>	RRF70	<u>0130_73.D</u>	RRF71	<u>0130_74.D</u>	RRF72	<u>0130_75.D</u>	RRF73	<u>0130_76.D</u>	RRF74	<u>0130_77.D</u>	RRF75	<u>0130_78.D</u>	RRF76	<u>0130_79.D</u>	RRF77	<u>0130_80.D</u>	RRF78	<u>0130_81.D</u>	RRF79	<u>0130_82.D</u>	RRF80	<u>0130_83.D</u>	RRF81	<u>0130_84.D</u>	RRF82	<u>0130_85.D</u>	RRF83	<u>0130_86.D</u>	RRF84	<u>0130_87.D</u>	RRF85	<u>0130_88.D</u>	RRF86	<u>0130_89.D</u>	RRF87	<u>0130_90.D</u>	RRF88	<u>0130_91.D</u>	RRF89	<u>0130_92.D</u>	RRF90	<u>0130_93.D</u>	RRF91	<u>0130_94.D</u>	RRF92	<u>0130_95.D</u>	RRF93	<u>0130_96.D</u>	RRF94	<u>0130_97.D</u>	RRF95	<u>0130_98.D</u>	RRF96	<u>0130_99.D</u>	RRF97	<u>0130_100.D</u>	RRF98	<u>0130_101.D</u>	RRF99	<u>0130_102.D</u>	RRF100	<u>0130_103.D</u>	RRF101	<u>0130_104.D</u>	RRF102	<u>0130_105.D</u>	RRF103	<u>0130_106.D</u>	RRF104	<u>0130_107.D</u>	RRF105	<u>0130_108.D</u>	RRF106	<u>0130_109.D</u>	RRF107	<u>0130_110.D</u>	RRF108	<u>0130_111.D</u>	RRF109	<u>0130_112.D</u>	RRF110	<u>0130_113.D</u>	RRF111	<u>0130_114.D</u>	RRF112	<u>0130_115.D</u>	RRF113	<u>0130_116.D</u>	RRF114	<u>0130_117.D</u>	RRF115	<u>0130_118.D</u>	RRF116	<u>0130_119.D</u>	RRF117	<u>0130_120.D</u>	RRF118	<u>0130_121.D</u>	RRF119	<u>0130_122.D</u>	RRF120	<u>0130_123.D</u>	RRF121	<u>0130_124.D</u>	RRF122	<u>0130_125.D</u>	RRF123	<u>0130_126.D</u>	RRF124	<u>0130_127.D</u>	RRF125	<u>0130_128.D</u>	RRF126	<u>0130_129.D</u>	RRF127	<u>0130_130.D</u>	RRF128	<u>0130_131.D</u>	RRF129	<u>0130_132.D</u>	RRF130	<u>0130_133.D</u>	RRF131	<u>0130_134.D</u>	RRF132	<u>0130_135.D</u>	RRF133	<u>0130_136.D</u>	RRF134	<u>0130_137.D</u>	RRF135	<u>0130_138.D</u>	RRF136	<u>0130_139.D</u>	RRF137	<u>0130_140.D</u>	RRF138	<u>0130_141.D</u>	RRF139	<u>0130_142.D</u>	RRF140	<u>0130_143.D</u>	RRF141	<u>0130_144.D</u>	RRF142	<u>0130_145.D</u>	RRF143	<u>0130_146.D</u>	RRF144	<u>0130_147.D</u>	RRF145	<u>0130_148.D</u>	RRF146	<u>0130_149.D</u>	RRF147	<u>0130_150.D</u>	RRF148	<u>0130_151.D</u>	RRF149	<u>0130_152.D</u>	RRF150	<u>0130_153.D</u>	RRF151	<u>0130_154.D</u>	RRF152	<u>0130_155.D</u>	RRF153	<u>0130_156.D</u>	RRF154	<u>0130_157.D</u>	RRF155	<u>0130_158.D</u>	RRF156	<u>0130_159.D</u>	RRF157	<u>0130_160.D</u>	RRF158	<u>0130_161.D</u>	RRF159	<u>0130_162.D</u>	RRF160	<u>0130_163.D</u>	RRF161	<u>0130_164.D</u>	RRF162	<u>0130_165.D</u>	RRF163	<u>0130_166.D</u>	RRF164	<u>0130_167.D</u>	RRF165	<u>0130_168.D</u>	RRF166	<u>0130_169.D</u>	RRF167	<u>0130_170.D</u>	RRF168	<u>0130_171.D</u>	RRF169	<u>0130_172.D</u>	RRF170	<u>0130_173.D</u>	RRF171	<u>0130_174.D</u>	RRF172	<u>0130_175.D</u>	RRF173	<u>0130_176.D</u>	RRF174	<u>0130_177.D</u>	RRF175	<u>0130_178.D</u>	RRF176	<u>0130_179.D</u>	RRF177	<u>0130_180.D</u>	RRF178	<u>0130_181.D</u>	RRF179	<u>0130_182.D</u>	RRF180	<u>0130_183.D</u>	RRF181	<u>0130_184.D</u>	RRF182	<u>0130_185.D</u>	RRF183	<u>0130_186.D</u>	RRF184	<u>0130_187.D</u>	RRF185	<u>0130_188.D</u>	RRF186	<u>0130_189.D</u>	RRF187	<u>0130_190.D</u>	RRF188	<u>0130_191.D</u>	RRF189	<u>0130_192.D</u>	RRF190	<u>0130_193.D</u>	RRF191	<u>0130_194.D</u>	RRF192	<u>0130_195.D</u>	RRF193	<u>0130_196.D</u>	RRF194	<u>0130_197.D</u>	RRF195	<u>0130_198.D</u>	RRF196	<u>0130_199.D</u>	RRF197	<u>0130_200.D</u>	RRF198	<u>0130_201.D</u>	RRF199	<u>0130_202.D</u>	RRF200	<u>0130_203.D</u>	RRF201	<u>0130_204.D</u>	RRF202	<u>0130_205.D</u>	RRF203	<u>0130_206.D</u>	RRF204	<u>0130_207.D</u>	RRF205	<u>0130_208.D</u>	RRF206	<u>0130_209.D</u>	RRF207	<u>0130_210.D</u>	RRF208	<u>0130_211.D</u>	RRF209	<u>0130_212.D</u>	RRF210	<u>0130_213.D</u>	RRF211	<u>0130_214.D</u>	RRF212	<u>0130_215.D</u>	RRF213	<u>0130_216.D</u>	RRF214	<u>0130_217.D</u>	RRF215	<u>0130_218.D</u>	RRF216	<u>0130_219.D</u>	RRF217	<u>0130_220.D</u>	RRF218	<u>0130_221.D</u>	RRF219	<u>0130_222.D</u>	RRF220	<u>0130_223.D</u>	RRF221	<u>0130_224.D</u>	RRF222	<u>0130_225.D</u>	RRF223	<u>0130_226.D</u>	RRF224	<u>0130_227.D</u>	RRF225	<u>0130_228.D</u>	RRF226	<u>0130_229.D</u>	RRF227	<u>0130_230.D</u>	RRF228	<u>0130_231.D</u>	RRF229	<u>0130_232.D</u>	RRF230	<u>0130_233.D</u>	RRF231	<u>0130_234.D</u>	RRF232	<u>0130_235.D</u>	RRF233	<u>0130_236.D</u>	RRF234	<u>0130_237.D</u>	RRF235	<u>0130_238.D</u>	RRF236	<u>0130_239.D</u>	RRF237	<u>0130_240.D</u>	RRF238	<u>0130_241.D</u>	RRF239	<u>0130_242.D</u>	RRF240	<u>0130_243.D</u>	RRF241	<u>0130_244.D</u>	RRF242	<u>0130_245.D</u>	RRF243	<u>0130_246.D</u>	RRF244	<u>0130_247.D</u>	RRF245	<u>0130_248.D</u>	RRF246	<u>0130_249.D</u>	RRF247	<u>0130_250.D</u>	RRF248	<u>0130_251.D</u>	RRF249	<u>0130_252.D</u>	RRF250	<u>0130_253.D</u>	RRF251	<u>0130_254.D</u>	RRF252	<u>0130_255.D</u>	RRF253	<u>0130_256.D</u>	RRF254	<u>0130_257.D</u>	RRF255	<u>0130_258.D</u>	RRF256	<u>0130_259.D</u>	RRF257	<u>0130_260.D</u>	RRF258	<u>0130_261.D</u>	RRF259	<u>0130_262.D</u>	RRF260	<u>0130_263.D</u>	RRF261	<u>0130_264.D</u>	RRF262	<u>0130_265.D</u>	RRF263	<u>0130_266.D</u>	RRF264	<u>0130_267.D</u>	RRF265	<u>0130_268.D</u>	RRF266	<u>0130_269.D</u>	RRF267	<u>0130_270.D</u>	RRF268	<u>0130_271.D</u>	RRF269	<u>0130_272.D</u>	RRF270	<u>0130_273.D</u>	RRF271	<u>0130_274.D</u>	RRF272	<u>0130_275.D</u>	RRF273	<u>0130_276.D</u>	RRF274	<u>0130_277.D</u>	RRF275	<u>0130_278.D</u>	RRF276	<u>0130_279.D</u>	RRF277	<u>0130_280.D</u>	RRF278	<u>0130_281.D</u>	RRF279	<u>0130_282.D</u>	RRF280	<u>0130_283.D</u>	RRF281	<u>0130_284.D</u>	RRF282	<u>0130_285.D</u>	RRF283	<u>0130_286.D</u>	RRF284	<u>0130_287.D</u>	RRF285	<u>0130_288.D</u>	RRF286	<u>0130_289.D</u>	RRF287	<u>0130_290.D</u>	RRF288	<u>0130_291.D</u>	RRF289	<u>0130_292.D</u>	RRF290	<u>0130_293.D</u>	RRF291	<u>0130_294.D</u>	RRF292	<u>0130_295.D</u>	RRF293	<u>0130_296.D</u>	RRF294	<u>0130_297.D</u>	RRF295	<u>0130_298.D</u>	RRF296	<u>0130_299.D</u>	RRF297	<u>0130_300.D</u>	RRF298	<u>0130_301.D</u>	RRF299	<u>0130_302.D</u>	RRF300	<u>0130_303.D</u>	RRF301	<u>0130_304.D</u>	RRF302	<u>0130_305.D</u>	RRF303	<u>0130_306.D</u>	RRF304	<u>0130_307.D</u>	RRF305	<u>0130_308.D</u>	RRF306	<u>0130_309.D</u>	RRF307	<u>0130_310.D</u>	RRF308	<u>0130_311.D</u>	RRF309	<u>0130_312.D</u>	RRF310	<u>0130_313.D</u>	RRF311	<u>0130_314.D</u>	RRF312	<u>0130_315.D</u>	RRF313	<u>0130_316.D</u>	RRF314	<u>0130_317.D</u>	RRF315	<u>0130_318.D</u>	RRF316	<u>0130_319.D</u>	RRF317	<u>0130_320.D</u>	RRF318	<u>0130_321.D</u>	RRF319	<u>0130_322.D</u>	RRF320	<u>0130_323.D</u>	RRF321	<u>0130_324.D</u>	RRF322	<u>0130_325.D</u>	RRF323	<u>0130_326.D</u>	RRF324	<u>0130_327.D</u>	RRF325	<u>0130_328.D</u>	RRF326	<u>0130_329.D</u>	RRF327	<u>0130_330.D</u>	RRF328	<u>0130_331.D</u>	RRF329	<u>0130_332.D</u>	RRF330	<u>0130_333.D</u>	RRF331	<u>0130_334.D</u>	RRF332	<u>0130_335.D</u>	RRF333	<u>0130_336.D</u>	RRF334	<u>0130_337.D</u>	RRF335	<u>0130_338.D</u>	RRF336	<u>0130_339.D</u>	RRF337	<u>0130_340.D</u>	RRF338	<u>0130_341.D</u>	RRF339	<u>0130_342.D</u>	RRF340	<u>0130_343.D</u>	RRF341	<u>0130_344.D</u>	RRF342	<u>0130_345.D</u>	RRF343	<u>0130_346.D</u>	RRF344	<u>0130_347.D</u>	RRF345	<u>0130_348.D</u>	RRF346	<u>0130_349.D</u>	RRF347	<u>0130_350.D</u>	RRF348	<u>0130_351.D</u>	RRF349	<u>0130_352.D</u>	RRF350	<u>0130_353.D</u>	RRF351	<u>0130_354.D</u>	RRF352	<u>0130_355.D</u>	RRF353	<u>0130_356.D</u>	RRF354	<u>0130_357.D</u>	RRF355	<u>0130_358.D</u>	RRF356	<u>0130_359.D</u>	RRF357	<u>0130_360.D</u>	RRF358	<u>0130_361.D</u>	RRF359	<u>0130_362.D</u>	RRF360	<u>0130_363.D</u>	RRF361	<u>0130_364.D</u>	RRF362	<u>0130_365.D</u>	RRF363	<u>0130_366.D</u>	RRF364	<u>0130_367.D</u>	RRF365	<u>0130_368.D</u>	RRF366	<u>0130_369.D</u>	RRF367	<u>0130_370.D</u>	RRF368	<u>0130_371.D</u>	RRF369	<u>0130_372.D</u>	RRF370	<u>0130_373.D</u>	RRF371	<u>0130_374.D</u>	RRF372	<u>0130_375.D</u>	RRF373	<u>0130_376.D</u>	RRF374	<u>0130_377.D</u>	RRF375	<u>0130_378.D</u>	RRF376	<u>0130_379.D</u>	RRF377	<u>0130_380.D</u>	RRF378	<u>0130_381.D</u>	RRF379	<u>0130_382.D</u>	RRF380	<u>0130_383.D</u>	RRF381	<u>0130_384.D</u>	RRF382	<u>0130_385.D</u>	RRF383	<u>0130_386.D</u>	RRF384	<u>0130_387.D</u>	RRF385	<u>0130_388.D</u>	RRF386	<u>0130_389.D</u>	RRF387	<u>0130_390.D</u>	RRF388	<u>0130_391.D</u>	RRF3

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_04.D
 Acq On : 31 Jan 2025 12:10 am
 Operator :
 Client ID : ICAL 0.01
 Lab ID : 0.01 ppb; T01510D
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jan 31 10:36:51 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	381779	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1242856	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	532780	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	430253	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1242856	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	532629	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.501	95	672459	10.929	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 109.30%	

Target Compounds

					Qvalue	
2) Propylene	3.857	41	1049	0.034	ppbv	87
3) Dichlorodifluoromethane	3.808	85	1545	0.017	ppbv#	46
4) Chloromethane	3.930	50	1306	0.030	ppbv#	1
5) 1,2-Dichlorotetrafluor...	4.035	85	1571	0.013	ppbv#	59
6) Vinyl Chloride	4.125	62	1272	0.030	ppbv#	62
7) 1,3-Butadiene	4.230	54	505	0.015	ppbv#	1
8) Bromomethane	4.465	94	1161	0.024	ppbv#	82
9) Chloroethane	4.579	64	859	0.045	ppbv#	41
11) Ethanol	4.709	45	1538	0.072	ppbv#	60
12) Acetone	5.065	43	11469	0.117	ppbv#	73
13) Trichlorofluoromethane	5.147	101	2457	0.017	ppbv#	76
14) Isopropylalcohol	5.236	45	4569	0.045	ppbv#	77
15) Acrylonitrile	5.341	53	1445	0.041	ppbv#	1
16) 1,1-Dichloroethene	5.533	61	1220	0.016	ppbv	93
17) Methylene Chloride	5.670	49	5276	0.076	ppbv#	78
20) Carbon Disulfide	5.890	76	2223	0.022	ppbv#	93
21) Trichlorotrifluoroethane	5.836	101	1548	0.015	ppbv#	34
22) Trans-1,2-Dichloroethene	6.272	61	725	0.018	ppbv#	82
23) 1,1-Dichloroethane	6.486	63	252	0.005	ppbv	74
24) Methyl tert-butyl ethe...	6.460	73	254	0.003	ppbv#	1
25) Methyl Ethyl Ketone	6.674	43	1938	0.026	ppbv#	74
26) Cis-1,2-Dichloroethene	6.926	61	1054	0.027	ppbv#	82
27) Hexane	7.026	57	1357	0.029	ppbv#	69
28) Chloroform	7.104	83	1098	0.018	ppbv#	43
29) Ethyl acetate	7.057	61	122	0.011	ppbv#	1
30) Tetrahydrofuran	7.391	42	1030	0.027	ppbv#	44
31) 1,2-Dichloroethane	7.553	62	1030	0.026	ppbv#	1
32) 1,1,1-Trichloroethane	7.731	97	776	0.012	ppbv#	53
33) Benzene	7.993	78	2785	0.030	ppbv#	48
34) Carbon Tetrachloride	8.105	117	640	0.009	ppbv#	59
35) Cyclohexane	8.192	84	2442	0.064	ppbv#	1
37) 1,2-dichloropropane	8.477	63	1895	0.050	ppbv#	83
38) Bromodichloromethane	8.607	83	757	0.011	ppbv#	28
39) Trichloroethene	8.633	130	672	0.011	ppbv#	18
40) 2,2,4-trimethylpentane	8.633	57	2893	0.019	ppbv#	81
41) 1,4-Dioxane	8.599	88	245	0.011	ppbv#	43
43) Heptane	8.763	43	1482	0.022	ppbv#	69
44) cis-1,3-Dichloropropene	9.114	75	874	0.015	ppbv	77
45) 4-Methyl-2-pentanone(M...	9.142	43	1551	0.015	ppbv#	82
46) trans-1,3-Dichloropropene	9.396	75	788	0.019	ppbv#	79
47) 1,1,2-Trichloroethane	9.515	97	1040	0.023	ppbv#	52
48) Toluene	9.670	91	2921	0.023	ppbv#	32

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_04.D
 Acq On : 31 Jan 2025 12:10 am
 Operator :
 Client ID : ICAL 0.01
 Lab ID : 0.01 ppb; T01510D
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jan 31 10:36:51 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.924	129	1044	0.012	ppbv#	51
50) 2-Hexanone(MBK)	9.818	43	1662	0.018	ppbv#	61
51) 1,2-Dibromoethane(EDB)	10.064	107	1078	0.014	ppbv	87
52) Tetrachloroethene	10.318	166	738	0.010	ppbv	89
54) 1,1,1,2-Tetrachloroethane	10.675	131	650	0.012	ppbv#	30
55) Chlorobenzene	10.697	112	2134	0.022	ppbv#	1
56) Ethylbenzene	10.887	91	2234	0.016	ppbv	95
57) m, p-Xylene	10.970	91	3313	0.032	ppbv	100
58) Bromoform	11.046	173	547	0.009	ppbv	96
59) Styrene	11.183	104	1629	0.019	ppbv#	52
60) 1,1,2,2-Tetrachloroethane	11.243	83	1965	0.022	ppbv#	76
61) o-Xylene	11.243	91	1546	0.013	ppbv#	78
64) Isopropylbenzene	11.569	105	3383	0.021	ppbv#	93
65) 4-Ethyltoluene	11.941	105	3221	0.019	ppbv#	94
66) 1,3,5-Trimethylbenzene	11.979	105	2892	0.022	ppbv#	97
67) 1,2,4-Trimethylbenzene	12.230	105	2331	0.015	ppbv#	87
68) Benzyl chloride	12.321	91	1289	0.014	ppbv#	71
69) 1,3-Dichlorobenzene	12.344	146	2132	0.018	ppbv	91
70) 1,4-Dichlorobenzene	12.389	146	1975	0.017	ppbv	100
71) sec-Butylbenzene	12.397	105	3633	0.017	ppbv#	79
72) 4-Isopropyltoluene	12.480	119	3157	0.015	ppbv	100
73) 1,2-Dichlorobenzene	12.602	146	2174	0.020	ppbv#	83
74) n-Butylbenzene	12.746	91	2702	0.016	ppbv#	84
75) 1,2,4-Trichlorobenzene	13.741	180	2599	0.031	ppbv#	71
76) Naphthalene	13.847	128	8039	0.041	ppbv#	95
77) Hexachlorobutadiene	14.090	225	1829	0.026	ppbv	85
79] 1,2-Dichlorotetrafluor...	4.030	85	1310m	0.010	ppbv	65
80] Vinyl Chloride(sim)	4.136	62	603	0.013	ppbv#	85
81] Bromomethane(sim)	4.452	94	595m	0.011	ppbv	16
82] Trichlorofluoromethane...	5.158	101	1843	0.012	ppbv#	93
83] 1,2-Dichloroethane(sim)	7.564	62	458m	0.011	ppbv	1
84] 1,1,1-Trichloroethane(...	7.727	97	776m	0.011	ppbv	95
85] Benzene(sim)	8.005	78	1654m	0.016	ppbv	48
86] Carbon Tetrachloride(sim)	8.100	117	691	0.010	ppbv#	95
87] 1,1-Dichloroethene(sim)	5.589	61	871m	0.010	ppbv	94
88] Trichlorotrifluoroetha...	5.839	101	1153m	0.010	ppbv	93
89] Trans-1,2-Dichloroethe...	6.275	61	538m	0.012	ppbv	82
90] 1,1-Dichloroethane(sim)	6.411	63	685	0.012	ppbv#	80
91] Cis-1,2-Dichloroethene...	6.928	61	528m	0.012	ppbv	76
92] Chloroform(sim)	7.107	83	718	0.011	ppbv#	79
94] 1,2-dichloropropane(sim)	8.489	63	457	0.011	ppbv#	84
95] Bromodichloromethane(sim)	8.593	83	625m	0.010	ppbv	57
96] Trichloroethene(sim)	8.627	130	732	0.011	ppbv#	78
97] 1,4-Dioxane(sim)	8.653	88	316m	0.014	ppbv	43
98] cis-1,3-Dichloropropen...	9.110	75	644	0.012	ppbv#	78
99] 1,1,2-Trichloroethane(...	9.518	97	486m	0.011	ppbv	72
100] Dibromochloromethane(sim)	9.926	129	789	0.010	ppbv#	80
101] 1,2-Dibromoethane(EDB)...	10.067	107	939m	0.012	ppbv	91
102] Tetrachloroethene(sim)	10.314	166	921m	0.011	ppbv	86
104] Bromoform(sim)	11.057	173	721	0.010	ppbv	96
105] m, p-Xylene(sim)	10.981	91	2878m	0.025	ppbv	96
106] 1,1,2,2-Tetrachloroeth...	11.246	83	1207	0.012	ppbv#	98
107] Benzyl chloride(sim)	12.324	91	959m	0.011	ppbv	71
108] 1,3-Dichlorobenzene(sim)	12.347	146	1861	0.012	ppbv#	88
109] 1,4-Dichlorobenzene(sim)	12.385	146	1987m	0.016	ppbv	93

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_04.D
Acq On : 31 Jan 2025 12:10 am
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01 ppb; T01510D
ALS Vial : 31 Sample Multiplier: 1

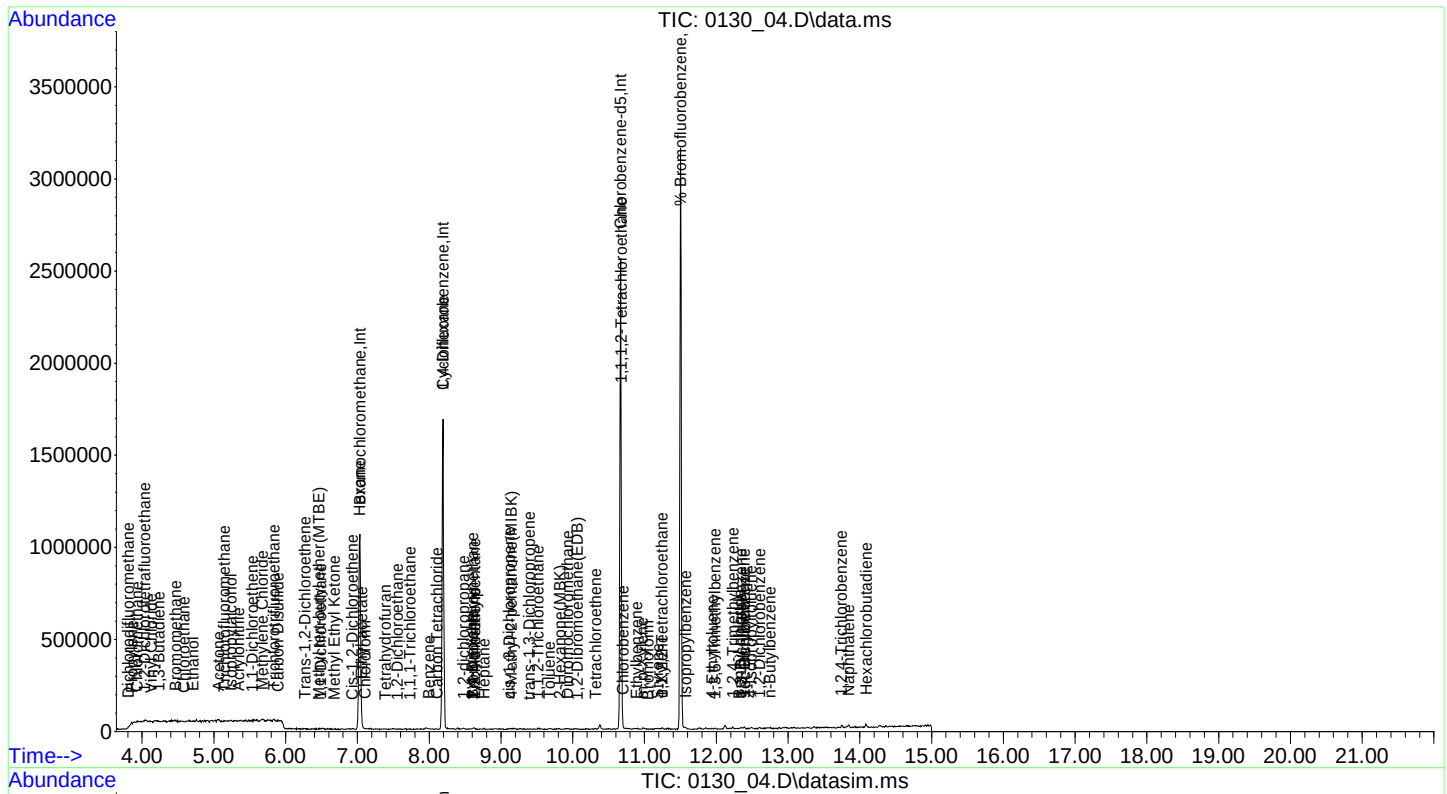
Quant Time: Jan 31 10:36:51 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.392	105	3100	0.012	ppbv	91
111]	4-Isopropyltoluene(sim)	12.483	119	3626m	0.016	ppbv	84
112]	1,2-Dichlorobenzene(sim)	12.605	146	1920	0.014	ppbv	93
113]	n-Butylbenzene(sim)	12.749	91	2755m	0.015	ppbv	80
114]	1,2,4-Trichlorobenzene...	13.752	180	2757	0.023	ppbv	97
116]	Hexachlorobutadiene(sim)	14.086	225	2289	0.019	ppbv	93

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_04.D
Acq On : 31 Jan 2025 12:10 am
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01 ppb; T01510D
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jan 31 10:36:51 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_05.D
 Acq On : 31 Jan 2025 12:42 am
 Operator :
 Client ID : ICAL 0.02
 Lab ID : 0.02 ppb; T01510D
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 10:38:27 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	389870	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1270771	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	527544	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	433227	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1270875	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	528833	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.501	95	679856	11.159	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	111.60%	

Target Compounds

					Qvalue	
2) Propylene	3.760	41	2312	0.074	ppbv#	79
3) Dichlorodifluoromethane	3.808	85	2903	0.031	ppbv#	31
4) Chloromethane	3.938	50	1948	0.043	ppbv#	33
5) 1,2-Dichlorotetrafluor...	4.019	85	4670	0.037	ppbv#	83
6) Vinyl Chloride	4.141	62	1546	0.036	ppbv#	46
7) 1,3-Butadiene	4.230	54	1836	0.052	ppbv#	31
8) Bromomethane	4.465	94	2217	0.045	ppbv#	57
9) Chloroethane	4.611	64	1939	0.098	ppbv#	73
11) Ethanol	4.684	45	1118	0.051	ppbv#	1
12) Acetone	5.058	43	12216	0.122	ppbv#	74
13) Trichlorofluoromethane	5.147	101	3757	0.025	ppbv#	36
14) Isopropylalcohol	5.187	45	776	0.007	ppbv#	1
15) Acrylonitrile	5.341	53	1376	0.038	ppbv#	1
16) 1,1-Dichloroethene	5.581	61	2523	0.032	ppbv#	44
17) Methylene Chloride	5.658	49	7410	0.104	ppbv	94
20) Carbon Disulfide	5.872	76	1135	0.011	ppbv#	5
21) Trichlorotrifluoroethane	5.831	101	2847	0.028	ppbv#	59
22) Trans-1,2-Dichloroethene	6.277	61	125	0.003	ppbv#	1
23) 1,1-Dichloroethane	6.387	63	556	0.011	ppbv#	35
24) Methyl tert-butyl ethe...	6.476	73	2284	0.031	ppbv#	88
25) Methyl Ethyl Ketone	6.695	43	3574	0.048	ppbv#	87
26) Cis-1,2-Dichloroethene	6.933	61	1432	0.035	ppbv	97
27) Hexane	7.034	57	2007	0.041	ppbv#	96
28) Chloroform	7.104	83	1893	0.030	ppbv#	67
29) Ethyl acetate	7.019	61	373	0.033	ppbv#	48
30) Tetrahydrofuran	7.383	42	1604	0.041	ppbv#	38
31) 1,2-Dichloroethane	7.577	62	1068	0.027	ppbv#	79
32) 1,1,1-Trichloroethane	7.716	97	1148	0.018	ppbv#	77
33) Benzene	8.019	78	2920	0.031	ppbv#	40
34) Carbon Tetrachloride	8.097	117	1620	0.023	ppbv#	70
35) Cyclohexane	8.184	84	3308	0.084	ppbv#	16
37) 1,2-dichloropropane	8.486	63	1067	0.027	ppbv#	42
38) Bromodichloromethane	8.599	83	1080	0.015	ppbv#	1
39) Trichloroethene	8.633	130	1100	0.018	ppbv#	19
40) 2,2,4-trimethylpentane	8.633	57	4141	0.026	ppbv#	48
41) 1,4-Dioxane	8.651	88	693	0.029	ppbv#	83
43) Heptane	8.763	43	2231	0.033	ppbv#	90
44) cis-1,3-Dichloropropene	9.107	75	1378	0.024	ppbv	81
45) 4-Methyl-2-pentanone(M...	9.093	43	337	0.003	ppbv#	6
46) trans-1,3-Dichloropropene	9.403	75	875	0.020	ppbv#	93
47) 1,1,2-Trichloroethane	9.508	97	900	0.020	ppbv#	78
48) Toluene	9.670	91	4239	0.033	ppbv#	92

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_05.D
 Acq On : 31 Jan 2025 12:42 am
 Operator :
 Client ID : ICAL 0.02
 Lab ID : 0.02 ppb; T01510D
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 10:38:27 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.924	129	1806	0.021	ppbv#	78
50) 2-Hexanone(MBK)	9.797	43	2687	0.029	ppbv#	29
51) 1,2-Dibromoethane(EDB)	10.057	107	1706	0.022	ppbv#	53
52) Tetrachloroethene	10.311	166	1878	0.025	ppbv#	80
54) 1,1,1,2-Tetrachloroethane	10.667	131	1096	0.020	ppbv#	44
55) Chlorobenzene	10.622	112	200	0.002	ppbv	94
56) Ethylbenzene	10.880	91	4201	0.030	ppbv	96
57) m, p-Xylene	10.978	91	5136	0.050	ppbv	100
58) Bromoform	11.054	173	1200	0.019	ppbv#	88
59) Styrene	11.183	104	2443	0.028	ppbv#	66
60) 1,1,2,2-Tetrachloroethane	11.251	83	1377	0.015	ppbv#	77
61) o-Xylene	11.251	91	2657	0.023	ppbv#	92
64) Isopropylbenzene	11.562	105	5074	0.032	ppbv#	90
65) 4-Ethyltoluene	11.941	105	3685	0.022	ppbv	94
66) 1,3,5-Trimethylbenzene	11.979	105	4159	0.032	ppbv#	93
67) 1,2,4-Trimethylbenzene	12.230	105	3010	0.020	ppbv#	79
68) Benzyl chloride	12.321	91	1506	0.017	ppbv#	45
69) 1,3-Dichlorobenzene	12.344	146	2647	0.022	ppbv#	82
70) 1,4-Dichlorobenzene	12.389	146	3498	0.031	ppbv	100
71) sec-Butylbenzene	12.389	105	5784	0.027	ppbv#	85
72) 4-Isopropyltoluene	12.481	119	5629	0.026	ppbv	100
73) 1,2-Dichlorobenzene	12.602	146	2740	0.025	ppbv#	84
74) n-Butylbenzene	12.746	91	4752	0.028	ppbv	94
75) 1,2,4-Trichlorobenzene	13.749	180	2401	0.029	ppbv#	76
76) Naphthalene	13.848	128	8367	0.043	ppbv#	95
77) Hexachlorobutadiene	14.083	225	2081	0.029	ppbv	79
79] 1,2-Dichlorotetrafluor...	4.030	85	2464m	0.019	ppbv	83
80] Vinyl Chloride(sim)	4.128	62	1005	0.021	ppbv#	86
81] Bromomethane(sim)	4.460	94	1050m	0.020	ppbv	51
82] Trichlorofluoromethane...	5.158	101	2982	0.019	ppbv#	90
83] 1,2-Dichloroethane(sim)	7.564	62	802m	0.019	ppbv	44
84] 1,1,1-Trichloroethane(...	7.727	97	1467	0.021	ppbv#	89
85] Benzene(sim)	8.005	78	2820m	0.027	ppbv	40
86] Carbon Tetrachloride(sim)	8.100	117	1220m	0.018	ppbv	95
87] 1,1-Dichloroethene(sim)	5.589	61	1649m	0.019	ppbv	41
88] Trichlorotrifluoroetha...	5.840	101	2265m	0.020	ppbv	77
89] Trans-1,2-Dichloroethe...	6.280	61	956m	0.021	ppbv	1
90] 1,1-Dichloroethane(sim)	6.411	63	1142m	0.020	ppbv	93
91] Cis-1,2-Dichloroethene...	6.929	61	929m	0.020	ppbv	97
92] Chloroform(sim)	7.107	83	1271	0.018	ppbv#	71
94] 1,2-dichloropropane(sim)	8.489	63	784m	0.019	ppbv	91
95] Bromodichloromethane(sim)	8.602	83	1317m	0.021	ppbv	1
96] Trichloroethene(sim)	8.628	130	1258m	0.019	ppbv	82
97] 1,4-Dioxane(sim)	8.645	88	461m	0.021	ppbv	97
98] cis-1,3-Dichloropropen...	9.110	75	1022	0.018	ppbv#	84
99] 1,1,2-Trichloroethane(...	9.511	97	1011m	0.022	ppbv	46
100] Dibromochloromethane(sim)	9.927	129	1452	0.018	ppbv	99
101] 1,2-Dibromoethane(EDB)...	10.067	107	1592m	0.020	ppbv	80
102] Tetrachloroethene(sim)	10.314	166	1742	0.020	ppbv	97
104] Bromoform(sim)	11.057	173	1196	0.017	ppbv	91
105] m, p-Xylene(sim)	10.981	91	4867m	0.043	ppbv	71
106] 1,1,2,2-Tetrachloroeth...	11.239	83	2034	0.020	ppbv#	94
107] Benzyl chloride(sim)	12.324	91	1542m	0.018	ppbv	61
108] 1,3-Dichlorobenzene(sim)	12.347	146	3202	0.022	ppbv#	89
109] 1,4-Dichlorobenzene(sim)	12.389	146	3498	0.029	ppbv	88

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_05.D
Acq On : 31 Jan 2025 12:42 am
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppb; T01510D
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 10:38:27 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration

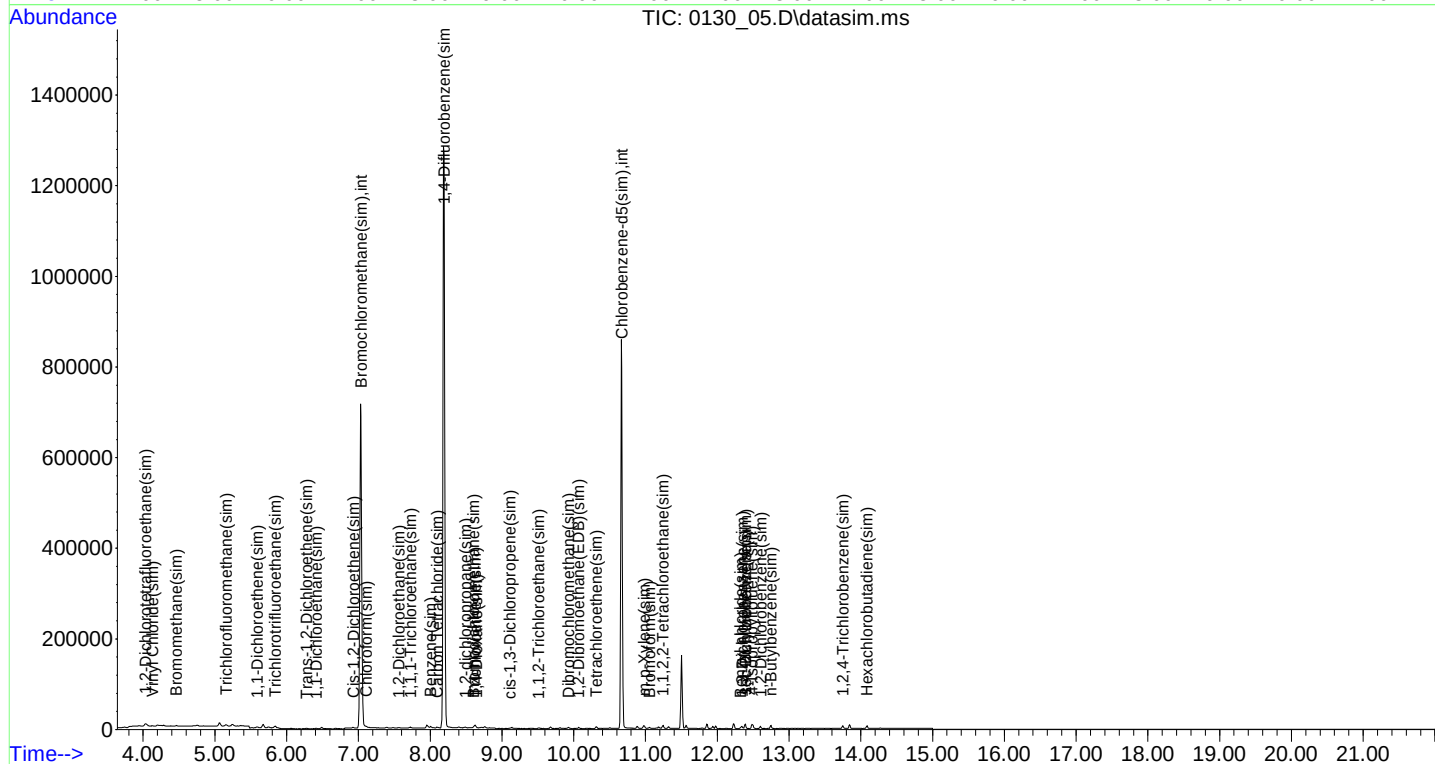
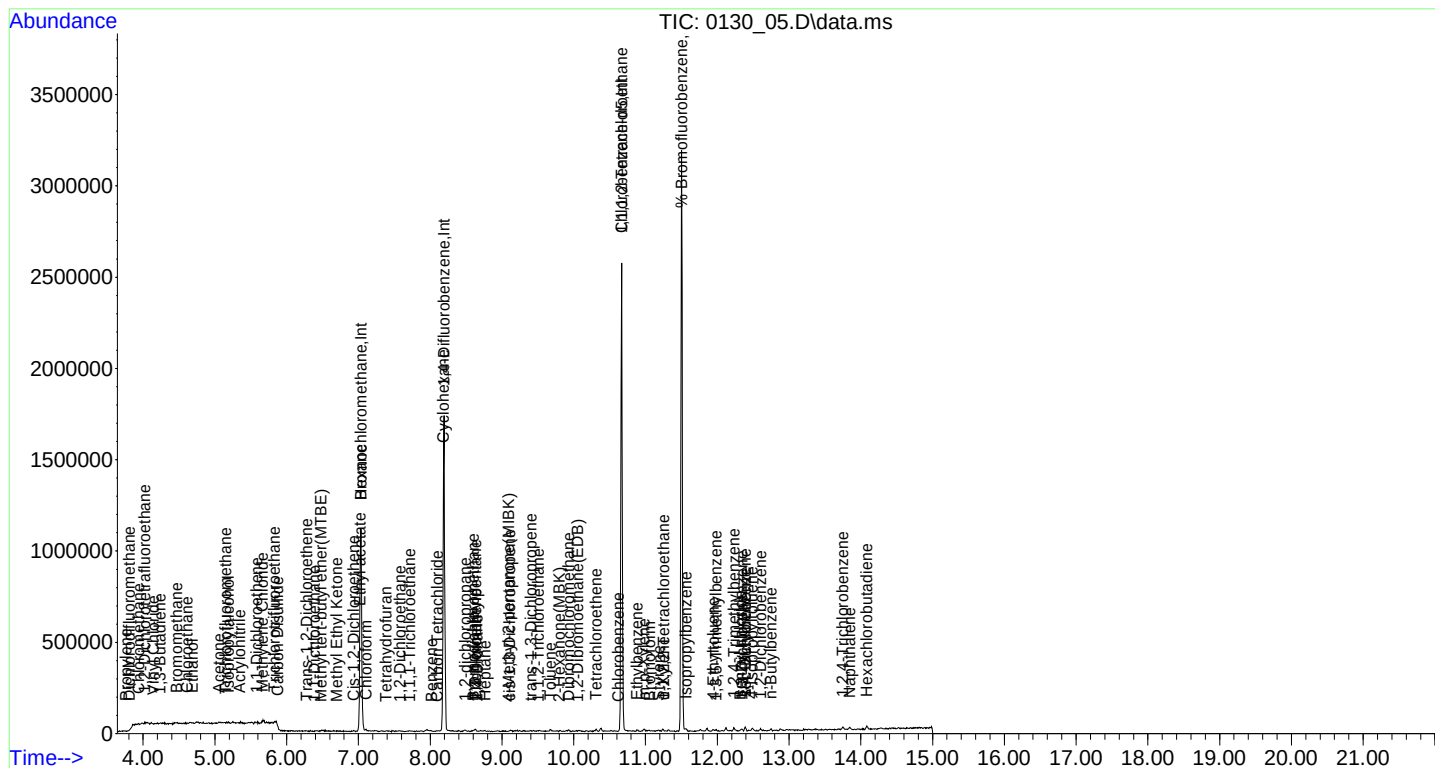
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.392	105	5151	0.021	ppbv	88
111]	4-Isopropyltoluene(sim)	12.484	119	5527m	0.024	ppbv	76
112]	1,2-Dichlorobenzene(sim)	12.605	146	3172	0.022	ppbv	92
113]	n-Butylbenzene(sim)	12.749	91	4434m	0.024	ppbv	94
114]	1,2,4-Trichlorobenzene...	13.752	180	3378	0.028	ppbv	95
116]	Hexachlorobutadiene(sim)	14.086	225	3096	0.027	ppbv	95

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_05.D
Acq On : 31 Jan 2025 12:42 am
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppb; T01510D
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 31 10:38:27 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_06.D
 Acq On : 31 Jan 2025 1:14 am
 Operator :
 Client ID : ICAL 0.035
 Lab ID : 0.035 ppb; T01510D
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 10:39:46 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	369961	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1221289	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	518489	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	425814	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1221289	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	518588	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	665484	11.113	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	111.10%

Target Compounds				Qvalue		
2) Propylene	3.735	41	4899	0.164	ppbv#	39
3) Dichlorodifluoromethane	3.808	85	4030	0.045	ppbv#	89
4) Chloromethane	3.938	50	2819	0.066	ppbv#	38
5) 1,2-Dichlorotetrafluor...	4.027	85	4176	0.035	ppbv#	43
6) Vinyl Chloride	4.133	62	3184	0.077	ppbv#	44
7) 1,3-Butadiene	4.254	54	2747	0.081	ppbv#	29
8) Bromomethane	4.457	94	2530	0.054	ppbv#	63
9) Chloroethane	4.563	64	806	0.043	ppbv	81
11) Ethanol	4.709	45	2125	0.103	ppbv#	12
12) Acetone	5.066	43	14815	0.155	ppbv#	69
13) Trichlorofluoromethane	5.163	101	5983	0.043	ppbv#	35
14) Isopropylalcohol	5.244	45	8050	0.081	ppbv#	79
15) Acrylonitrile	5.366	53	1344	0.039	ppbv#	1
16) 1,1-Dichloroethene	5.592	61	2621	0.035	ppbv#	13
17) Methylene Chloride	5.664	49	7655	0.114	ppbv	94
20) Carbon Disulfide	5.884	76	5545	0.056	ppbv#	74
21) Trichlorotrifluoroethane	5.837	101	4231	0.043	ppbv	90
22) Trans-1,2-Dichloroethene	6.272	61	2086	0.052	ppbv#	71
23) 1,1-Dichloroethane	6.502	63	362	0.007	ppbv	85
24) Methyl tert-butyl ethe...	6.413	73	198	0.003	ppbv#	1
25) Methyl Ethyl Ketone	6.679	43	3912	0.055	ppbv#	84
26) Cis-1,2-Dichloroethene	6.933	61	1466	0.038	ppbv#	34
27) Hexane	6.895	57	903	0.020	ppbv	86
28) Chloroform	7.112	83	2438	0.040	ppbv#	61
29) Ethyl acetate	7.034	61	167	0.016	ppbv#	19
30) Tetrahydrofuran	7.383	42	2487	0.066	ppbv	91
31) 1,2-Dichloroethane	7.553	62	2195	0.058	ppbv#	61
32) 1,1,1-Trichloroethane	7.716	97	2550	0.041	ppbv#	84
33) Benzene	8.010	78	3693	0.041	ppbv#	44
34) Carbon Tetrachloride	8.097	117	1081	0.016	ppbv#	5
35) Cyclohexane	8.175	84	3627	0.097	ppbv#	14
37) 1,2-dichloropropane	8.486	63	2319	0.062	ppbv	94
38) Bromodichloromethane	8.599	83	2750	0.040	ppbv	92
39) Trichloroethene	8.633	130	2742	0.046	ppbv#	74
40) 2,2,4-trimethylpentane	8.625	57	5876	0.039	ppbv#	74
41) 1,4-Dioxane	8.633	88	1195	0.052	ppbv#	52
43) Heptane	8.763	43	3743	0.057	ppbv#	85
44) cis-1,3-Dichloropropene	9.107	75	2914	0.052	ppbv	88
45) 4-Methyl-2-pentanone(M...	9.135	43	3825	0.039	ppbv#	87
46) trans-1,3-Dichloropropene	9.396	75	2248	0.055	ppbv#	67
47) 1,1,2-Trichloroethane	9.515	97	2231	0.051	ppbv#	91
48) Toluene	9.677	91	4493	0.036	ppbv#	93

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_06.D
 Acq On : 31 Jan 2025 1:14 am
 Operator :
 Client ID : ICAL 0.035
 Lab ID : 0.035 ppb; T01510D
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 10:39:46 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.924	129	2900	0.034	ppbv#	85
50) 2-Hexanone(MBK)	9.804	43	3412	0.038	ppbv#	28
51) 1,2-Dibromoethane(EDB)	10.064	107	2768	0.036	ppbv	90
52) Tetrachloroethene	10.311	166	2478	0.034	ppbv	98
54) 1,1,1,2-Tetrachloroethane	10.675	131	2905	0.054	ppbv#	69
55) Chlorobenzene	10.690	112	4515	0.047	ppbv#	1
56) Ethylbenzene	10.879	91	4707	0.034	ppbv	93
57) m, p-Xylene	10.978	91	8212	0.081	ppbv	100
58) Bromoform	11.054	173	1998	0.032	ppbv#	57
59) Styrene	11.183	104	4027	0.047	ppbv#	26
60) 1,1,2,2-Tetrachloroethane	11.243	83	3910	0.045	ppbv	89
61) o-Xylene	11.243	91	5025	0.045	ppbv#	79
64) Isopropylbenzene	11.569	105	6073	0.038	ppbv#	89
65) 4-Ethyltoluene	11.934	105	6454	0.039	ppbv#	88
66) 1,3,5-Trimethylbenzene	11.972	105	4842	0.037	ppbv#	83
67) 1,2,4-Trimethylbenzene	12.230	105	5889	0.040	ppbv	97
68) Benzyl chloride	12.321	91	2954	0.033	ppbv	97
69) 1,3-Dichlorobenzene	12.344	146	4600	0.040	ppbv#	90
70) 1,4-Dichlorobenzene	12.382	146	3864	0.034	ppbv	100
71) sec-Butylbenzene	12.397	105	7899	0.038	ppbv#	90
72) 4-Isopropyltoluene	12.488	119	8659	0.041	ppbv	100
73) 1,2-Dichlorobenzene	12.602	146	4560	0.042	ppbv	94
74) n-Butylbenzene	12.746	91	6533	0.039	ppbv#	86
75) 1,2,4-Trichlorobenzene	13.749	180	4448	0.054	ppbv#	91
76) Naphthalene	13.840	128	9932	0.052	ppbv#	94
77) Hexachlorobutadiene	14.083	225	4128	0.059	ppbv	77
79] 1,2-Dichlorotetrafluor...	4.030	85	4604m	0.036	ppbv	48
80] Vinyl Chloride(sim)	4.128	62	1523	0.033	ppbv	95
81] Bromomethane(sim)	4.460	94	1847m	0.036	ppbv	65
82] Trichlorofluoromethane...	5.158	101	4887	0.031	ppbv#	91
83] 1,2-Dichloroethane(sim)	7.564	62	1581m	0.039	ppbv	1
84] 1,1,1-Trichloroethane(...	7.719	97	2249	0.033	ppbv#	87
85] Benzene(sim)	8.005	78	4346m	0.042	ppbv	44
86] Carbon Tetrachloride(sim)	8.100	117	2205	0.033	ppbv	98
87] 1,1-Dichloroethene(sim)	5.589	61	2871m	0.035	ppbv	7
88] Trichlorotrifluoroetha...	5.839	101	3906m	0.035	ppbv	86
89] Trans-1,2-Dichloroethe...	6.280	61	1587m	0.036	ppbv	71
90] 1,1-Dichloroethane(sim)	6.411	63	1965	0.034	ppbv#	86
91] Cis-1,2-Dichloroethene...	6.929	61	1811m	0.040	ppbv	34
92] Chloroform(sim)	7.107	83	2275	0.034	ppbv	97
94] 1,2-dichloropropane(sim)	8.480	63	1396	0.035	ppbv	95
95] Bromodichloromethane(sim)	8.602	83	2202m	0.036	ppbv	89
96] Trichloroethene(sim)	8.628	130	2205	0.035	ppbv#	83
97] 1,4-Dioxane(sim)	8.645	88	677m	0.031	ppbv	69
98] cis-1,3-Dichloropropen...	9.110	75	1862	0.034	ppbv#	91
99] 1,1,2-Trichloroethane(...	9.518	97	1565m	0.035	ppbv	88
100] Dibromochloromethane(sim)	9.927	129	2562	0.033	ppbv	99
101] 1,2-Dibromoethane(EDB)...	10.067	107	2809m	0.036	ppbv	94
102] Tetrachloroethene(sim)	10.314	166	2713	0.033	ppbv	92
104] Bromoform(sim)	11.057	173	2196	0.033	ppbv	96
105] m, p-Xylene(sim)	10.978	91	8212	0.074	ppbv#	81
106] 1,1,2,2-Tetrachloroeth...	11.239	83	3445	0.034	ppbv#	96
107] Benzyl chloride(sim)	12.324	91	2692m	0.032	ppbv	98
108] 1,3-Dichlorobenzene(sim)	12.347	146	5168	0.036	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.385	146	5046m	0.042	ppbv	88

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_06.D
Acq On : 31 Jan 2025 1:14 am
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppb; T01510D
ALS Vial : 2 Sample Multiplier: 1

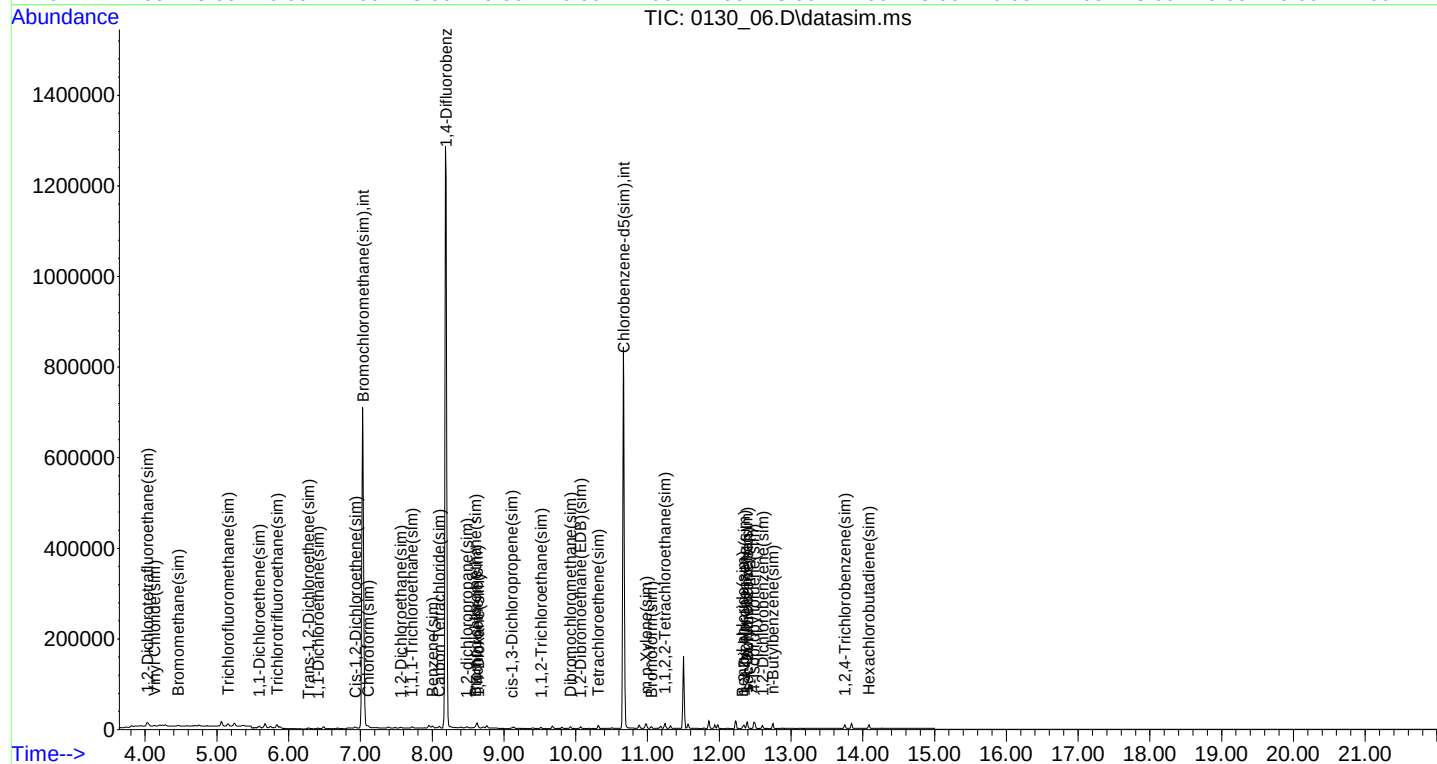
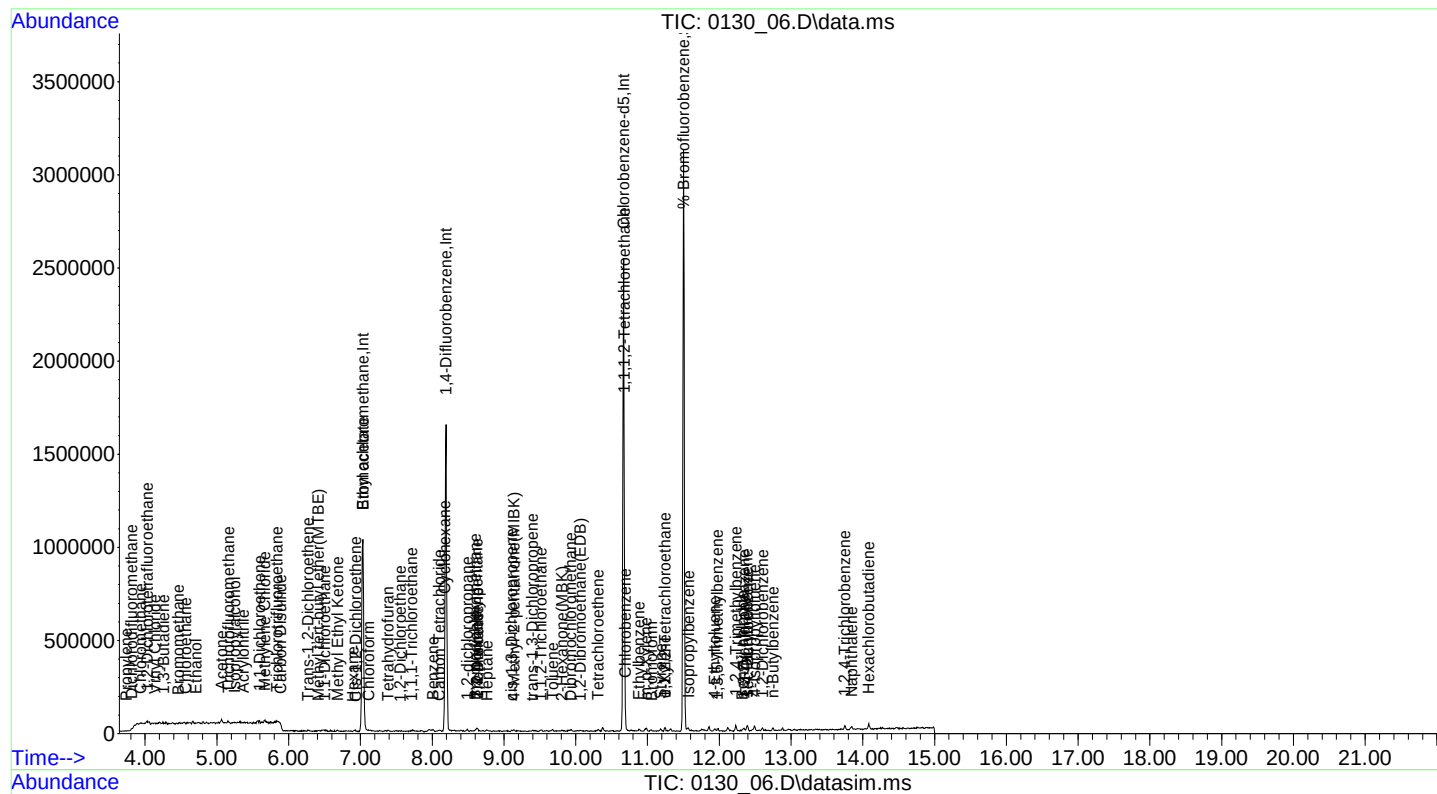
Quant Time: Jan 31 10:39:46 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.392	105	8176	0.033	ppbv	88
111]	4-Isopropyltoluene(sim)	12.483	119	9077m	0.041	ppbv	88
112]	1,2-Dichlorobenzene(sim)	12.605	146	4942	0.036	ppbv	91
113]	n-Butylbenzene(sim)	12.749	91	6596m	0.037	ppbv	85
114]	1,2,4-Trichlorobenzene...	13.752	180	4589	0.039	ppbv	98
116]	Hexachlorobutadiene(sim)	14.086	225	4331	0.038	ppbv	93

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_06.D
Acq On : 31 Jan 2025 1:14 am
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppb; T01510D
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 10:39:46 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_07.D
 Acq On : 31 Jan 2025 1:49 am
 Operator :
 Client ID : ICAL 0.05
 Lab ID : 0.05 ppb; T01510D
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 10:40:29 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	383169	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1245143	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	527236	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	427675	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1245043	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	528198	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	675078	11.087	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	110.90%

Target Compounds						Qvalue
2) Propylene	3.727	41	2681	0.087	ppbv#	34
3) Dichlorodifluoromethane	3.808	85	5677	0.061	ppbv#	77
4) Chloromethane	3.930	50	4453	0.101	ppbv	98
5) 1,2-Dichlorotetrafluor...	4.019	85	5783	0.047	ppbv#	64
6) Vinyl Chloride	4.125	62	3657	0.086	ppbv#	66
7) 1,3-Butadiene	4.246	54	3514	0.101	ppbv#	69
8) Bromomethane	4.595	94	1238	0.026	ppbv	94
9) Chloroethane	4.603	64	2417	0.125	ppbv#	31
11) Ethanol	4.709	45	4391	0.205	ppbv#	1
12) Acetone	5.066	43	16955	0.172	ppbv#	70
13) Trichlorofluoromethane	5.155	101	9370	0.065	ppbv#	89
14) Isopropylalcohol	5.244	45	10808	0.105	ppbv#	93
15) Acrylonitrile	5.366	53	2481	0.069	ppbv#	1
16) 1,1-Dichloroethene	5.586	61	4961	0.063	ppbv#	56
17) Methylene Chloride	5.670	49	8132	0.117	ppbv#	86
20) Carbon Disulfide	5.878	76	7607	0.074	ppbv#	65
21) Trichlorotrifluoroethane	5.831	101	5766	0.057	ppbv#	74
22) Trans-1,2-Dichloroethene	6.272	61	1673	0.041	ppbv#	37
23) 1,1-Dichloroethane	6.350	63	405	0.008	ppbv	86
24) Methyl tert-butyl ethe...	6.434	73	102	0.001	ppbv#	1
25) Methyl Ethyl Ketone	6.637	43	201	0.003	ppbv#	1
26) Cis-1,2-Dichloroethene	6.918	61	3135	0.079	ppbv	97
27) Hexane	7.042	57	3005	0.063	ppbv#	94
28) Chloroform	7.104	83	4087	0.065	ppbv	96
29) Ethyl acetate	7.073	61	1208	0.110	ppbv#	66
30) Tetrahydrofuran	7.352	42	1622	0.042	ppbv#	38
31) 1,2-Dichloroethane	7.561	62	2118	0.054	ppbv#	57
32) 1,1,1-Trichloroethane	7.716	97	3094	0.048	ppbv#	74
33) Benzene	8.010	78	5774	0.062	ppbv#	77
34) Carbon Tetrachloride	8.097	117	3363	0.048	ppbv	94
35) Cyclohexane	8.192	84	4757	0.123	ppbv#	47
37) 1,2-dichloropropane	8.486	63	2426	0.064	ppbv#	49
38) Bromodichloromethane	8.599	83	3505	0.049	ppbv	89
39) Trichloroethene	8.625	130	2996	0.050	ppbv#	84
40) 2,2,4-trimethylpentane	8.625	57	6890	0.044	ppbv#	57
41) 1,4-Dioxane	8.633	88	1326	0.057	ppbv#	70
43) Heptane	8.763	43	5465	0.082	ppbv#	78
44) cis-1,3-Dichloropropene	9.107	75	3612	0.064	ppbv	92
45) 4-Methyl-2-pentanone(M...	9.142	43	5644	0.056	ppbv#	87
46) trans-1,3-Dichloropropene	9.403	75	3000	0.071	ppbv	92
47) 1,1,2-Trichloroethane	9.515	97	2176	0.049	ppbv#	86
48) Toluene	9.677	91	5816	0.046	ppbv#	84

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_07.D
 Acq On : 31 Jan 2025 1:49 am
 Operator :
 Client ID : ICAL 0.05
 Lab ID : 0.05 ppb; T01510D
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 10:40:29 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.924	129	3613	0.042	ppbv#	76
50) 2-Hexanone(MBK)	9.811	43	4404	0.049	ppbv#	29
51) 1,2-Dibromoethane(EDB)	10.064	107	4057	0.052	ppbv	92
52) Tetrachloroethene	10.311	166	3645	0.049	ppbv	91
54) 1,1,1,2-Tetrachloroethane	10.675	131	3077	0.056	ppbv#	81
55) Chlorobenzene	10.697	112	5502	0.056	ppbv#	1
56) Ethylbenzene	10.887	91	8594	0.061	ppbv	78
57) m, p-Xylene	10.970	91	11412	0.111	ppbv	100
58) Bromoform	11.054	173	3119	0.050	ppbv	93
59) Styrene	11.183	104	4932	0.057	ppbv#	61
60) 1,1,2,2-Tetrachloroethane	11.243	83	5941	0.067	ppbv#	88
61) o-Xylene	11.243	91	6251	0.055	ppbv#	71
64) Isopropylbenzene	11.562	105	9331	0.058	ppbv#	92
65) 4-Ethyltoluene	11.941	105	9487	0.057	ppbv#	87
66) 1,3,5-Trimethylbenzene	11.979	105	7117	0.054	ppbv#	88
67) 1,2,4-Trimethylbenzene	12.230	105	7362	0.049	ppbv#	86
68) Benzyl chloride	12.329	91	4089	0.046	ppbv#	88
69) 1,3-Dichlorobenzene	12.344	146	6516	0.055	ppbv#	89
70) 1,4-Dichlorobenzene	12.382	146	5669	0.050	ppbv	100
71) sec-Butylbenzene	12.397	105	11290	0.053	ppbv#	90
72) 4-Isopropyltoluene	12.488	119	10604	0.050	ppbv	100
73) 1,2-Dichlorobenzene	12.594	146	7496	0.069	ppbv#	72
74) n-Butylbenzene	12.746	91	8888	0.053	ppbv	95
75) 1,2,4-Trichlorobenzene	13.749	180	4951	0.059	ppbv	96
76) Naphthalene	13.840	128	11011	0.057	ppbv#	92
77) Hexachlorobutadiene	14.091	225	5177	0.073	ppbv	85
79] 1,2-Dichlorotetrafluor...	4.019	85	5783	0.046	ppbv#	64
80] Vinyl Chloride(sim)	4.128	62	2233	0.047	ppbv	96
81] Bromomethane(sim)	4.460	94	2563m	0.049	ppbv	94
82] Trichlorofluoromethane...	5.158	101	7332	0.047	ppbv#	93
83] 1,2-Dichloroethane(sim)	7.564	62	2021m	0.049	ppbv	1
84] 1,1,1-Trichloroethane(...	7.719	97	3047	0.044	ppbv#	88
85] Benzene(sim)	8.005	78	5739m	0.055	ppbv	77
86] Carbon Tetrachloride(sim)	8.100	117	3026	0.046	ppbv	97
87] 1,1-Dichloroethene(sim)	5.589	61	4184m	0.050	ppbv	56
88] Trichlorotrifluoroetha...	5.833	101	5923	0.053	ppbv#	88
89] Trans-1,2-Dichloroethe...	6.275	61	2267m	0.051	ppbv	37
90] 1,1-Dichloroethane(sim)	6.411	63	2687	0.047	ppbv	95
91] Cis-1,2-Dichloroethene...	6.929	61	2134m	0.047	ppbv	97
92] Chloroform(sim)	7.107	83	3315	0.049	ppbv	96
94] 1,2-dichloropropane(sim)	8.489	63	1903	0.047	ppbv#	86
95] Bromodichloromethane(sim)	8.602	83	2952m	0.047	ppbv	80
96] Trichloroethene(sim)	8.628	130	3046	0.047	ppbv#	81
97] 1,4-Dioxane(sim)	8.645	88	1002m	0.046	ppbv	70
98] cis-1,3-Dichloropropen...	9.110	75	2569	0.046	ppbv#	88
99] 1,1,2-Trichloroethane(...	9.511	97	2199m	0.048	ppbv	79
100] Dibromochloromethane(sim)	9.927	129	3488	0.044	ppbv	96
101] 1,2-Dibromoethane(EDB)...	10.064	107	4057	0.051	ppbv	91
102] Tetrachloroethene(sim)	10.314	166	3974	0.047	ppbv	95
104] Bromoform(sim)	11.057	173	3128	0.045	ppbv	93
105] m, p-Xylene(sim)	10.970	91	11412	0.101	ppbv#	84
106] 1,1,2,2-Tetrachloroeth...	11.239	83	4957	0.048	ppbv#	95
107] Benzyl chloride(sim)	12.329	91	4089	0.048	ppbv	88
108] 1,3-Dichlorobenzene(sim)	12.347	146	6856	0.046	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.382	146	5259	0.043	ppbv	86

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_07.D
Acq On : 31 Jan 2025 1:49 am
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppb; T01510D
ALS Vial : 3 Sample Multiplier: 1

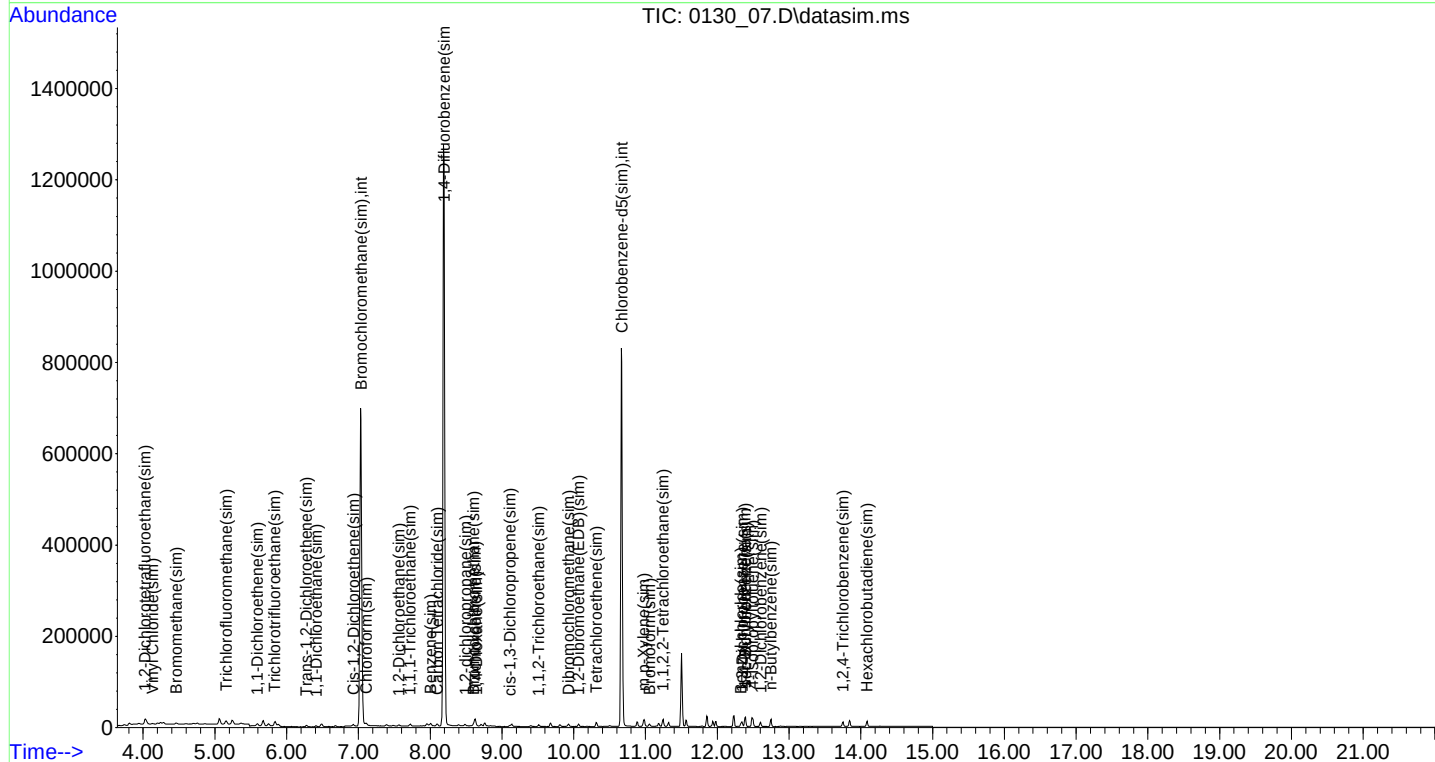
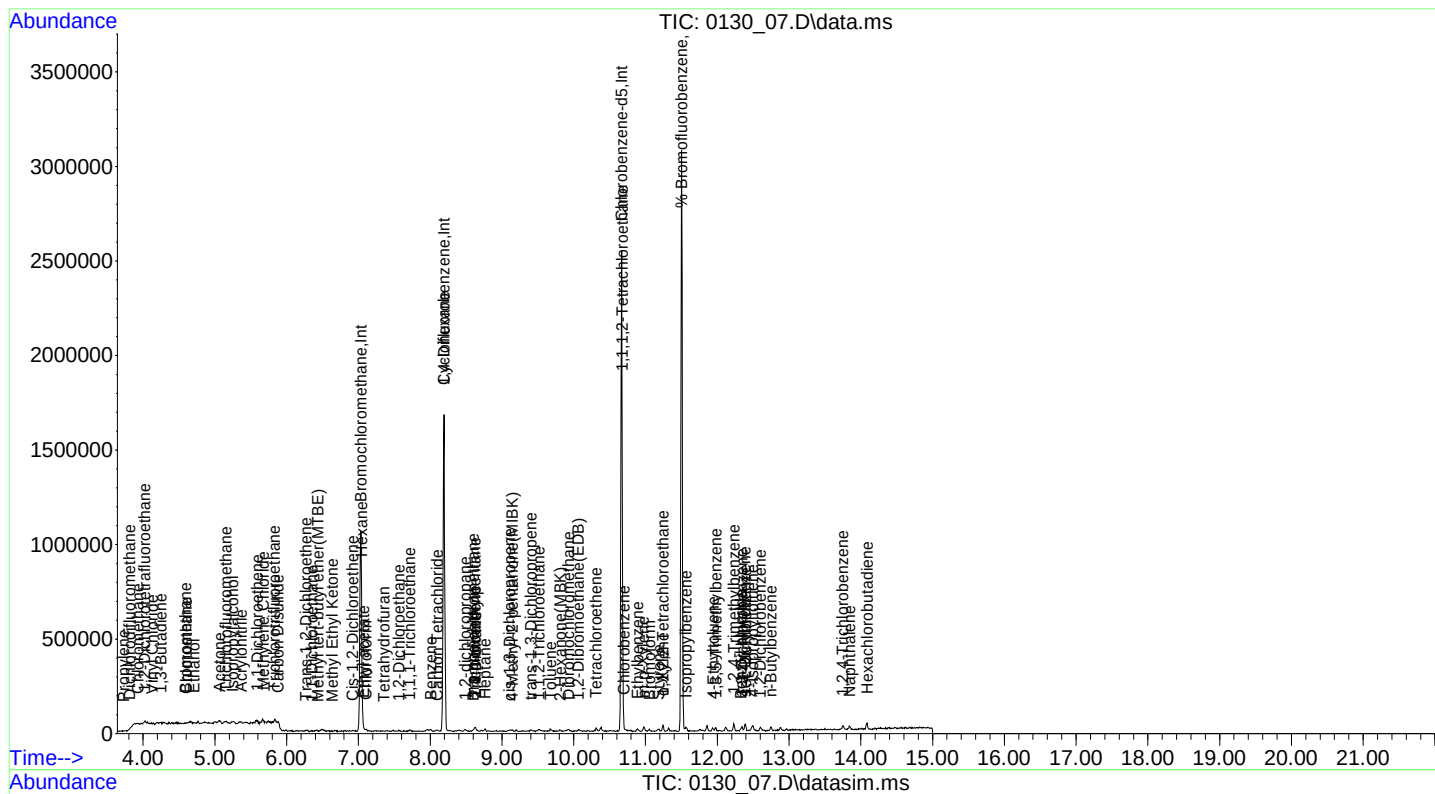
Quant Time: Jan 31 10:40:29 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.392	105	11719	0.047	ppbv	89
111]	4-Isopropyltoluene(sim)	12.488	119	10604	0.047	ppbv#	87
112]	1,2-Dichlorobenzene(sim)	12.605	146	6709	0.048	ppbv	91
113]	n-Butylbenzene(sim)	12.746	91	8888	0.049	ppbv	97
114]	1,2,4-Trichlorobenzene...	13.752	180	5573	0.046	ppbv	97
116]	Hexachlorobutadiene(sim)	14.086	225	5770	0.050	ppbv	98

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_07.D
Acq On : 31 Jan 2025 1:49 am
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppb; T01510D
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 31 10:40:29 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_08.D
 Acq On : 31 Jan 2025 2:19 am
 Operator :
 Client ID : ICAL 0.1
 Lab ID : 0.10 ppb; T01510D
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 31 10:41:24 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:40:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	372213	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1227313	10.000	ng	0.00
53) Chlorobenzene-d5	10.669	82	516191	10.000	ng	0.00
78) Bromochloromethane(sim)	7.029	130	422532	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1227313	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.669	82	516340	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.503	95	659374	11.380	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	113.80%	

Target Compounds

					Qvalue	
2) Propylene	3.727	41	6106	0.203	ppbv	84
3) Dichlorodifluoromethane	3.800	85	11892	0.131	ppbv#	91
4) Chloromethane	3.946	50	8954	0.209	ppbv	84
5) 1,2-Dichlorotetrafluor...	4.027	85	14344	0.120	ppbv#	62
6) Vinyl Chloride	4.133	62	6049	0.146	ppbv#	47
7) 1,3-Butadiene	4.246	54	4122	0.121	ppbv#	78
8) Bromomethane	4.457	94	7133	0.152	ppbv#	96
9) Chloroethane	4.587	64	3180	0.169	ppbv#	61
11) Ethanol	4.709	45	2452	0.118	ppbv#	1
12) Acetone	5.057	43	16818	0.175	ppbv#	80
13) Trichlorofluoromethane	5.147	101	17320	0.123	ppbv	91
14) Isopropylalcohol	5.171	45	1700	0.017	ppbv#	28
15) Acrylonitrile	5.366	53	6716	0.193	ppbv#	1
16) 1,1-Dichloroethene	5.592	61	9947	0.131	ppbv#	81
17) Methylene Chloride	5.670	49	12123	0.179	ppbv#	90
20) Carbon Disulfide	5.878	76	11690	0.118	ppbv#	88
21) Trichlorotrifluoroethane	5.837	101	12786	0.130	ppbv	86
22) Trans-1,2-Dichloroethene	6.272	61	4904	0.123	ppbv#	69
23) 1,1-Dichloroethane	6.403	63	6363	0.126	ppbv	91
24) Methyl tert-butyl ethe...	6.434	73	275	0.004	ppbv#	21
25) Methyl Ethyl Ketone	6.674	43	9220	0.129	ppbv#	94
26) Cis-1,2-Dichloroethene	6.926	61	5562	0.144	ppbv#	85
27) Hexane	7.042	57	4847	0.105	ppbv#	78
28) Chloroform	7.104	83	7483	0.123	ppbv	87
29) Ethyl acetate	7.065	61	2043	0.191	ppbv	97
30) Tetrahydrofuran	7.391	42	5495	0.145	ppbv#	79
31) 1,2-Dichloroethane	7.561	62	4113	0.107	ppbv#	62
32) 1,1,1-Trichloroethane	7.724	97	6679	0.107	ppbv	98
33) Benzene	8.002	78	10759	0.118	ppbv#	84
34) Carbon Tetrachloride	8.097	117	6504	0.096	ppbv	93
35) Cyclohexane	8.183	84	6692	0.179	ppbv#	69
37) 1,2-dichloropropane	8.486	63	5275	0.141	ppbv	94
38) Bromodichloromethane	8.607	83	6359	0.091	ppbv#	73
39) Trichloroethene	8.625	130	6672	0.112	ppbv#	75
40) 2,2,4-trimethylpentane	8.625	57	15851	0.104	ppbv#	82
41) 1,4-Dioxane	8.590	88	194	0.008	ppbv#	1
43) Heptane	8.763	43	7140	0.109	ppbv#	84
44) cis-1,3-Dichloropropene	9.109	75	5482	0.098	ppbv#	64
45) 4-Methyl-2-pentanone(M...	9.137	43	9878	0.100	ppbv#	95
46) trans-1,3-Dichloropropene	9.404	75	4795	0.116	ppbv#	87
47) 1,1,2-Trichloroethane	9.517	97	4877	0.111	ppbv	94
48) Toluene	9.679	91	13615	0.109	ppbv#	92

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_08.D
 Acq On : 31 Jan 2025 2:19 am
 Operator :
 Client ID : ICAL 0.1
 Lab ID : 0.10 ppb; T01510D
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 31 10:41:24 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:40:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.925	129	8152	0.096	ppbv	99
50) 2-Hexanone(MBK)	9.806	43	7844	0.088	ppbv#	27
51) 1,2-Dibromoethane(EDB)	10.066	107	8604	0.113	ppbv	93
52) Tetrachloroethene	10.312	166	8281	0.113	ppbv	89
54) 1,1,1,2-Tetrachloroethane	10.684	131	5421	0.102	ppbv#	90
55) Chlorobenzene	10.555	112	314	0.003	ppbv	87
56) Ethylbenzene	10.881	91	16101	0.117	ppbv	99
57) m, p-Xylene	10.980	91	23741	0.236	ppbv	100
58) Bromoform	11.055	173	6063	0.099	ppbv	93
59) Styrene	11.184	104	9812	0.116	ppbv#	50
60) 1,1,2,2-Tetrachloroethane	11.245	83	9239	0.106	ppbv	92
61) o-Xylene	11.245	91	12370	0.111	ppbv#	76
64) Isopropylbenzene	11.563	105	19809	0.126	ppbv#	94
65) 4-Ethyltoluene	11.943	105	19361	0.118	ppbv#	96
66) 1,3,5-Trimethylbenzene	11.981	105	15116	0.117	ppbv#	90
67) 1,2,4-Trimethylbenzene	12.232	105	14621	0.100	ppbv#	86
68) Benzyl chloride	12.323	91	7337	0.083	ppbv#	86
69) 1,3-Dichlorobenzene	12.345	146	12680	0.110	ppbv#	79
70) 1,4-Dichlorobenzene	12.383	146	11876	0.106	ppbv	100
71) sec-Butylbenzene	12.391	105	24666	0.119	ppbv#	91
72) 4-Isopropyltoluene	12.482	119	23328	0.112	ppbv	100
73) 1,2-Dichlorobenzene	12.604	146	12277	0.115	ppbv	94
74) n-Butylbenzene	12.748	91	18690	0.113	ppbv#	89
75) 1,2,4-Trichlorobenzene	13.750	180	10248	0.126	ppbv	86
76) Naphthalene	13.842	128	20536	0.108	ppbv#	94
77) Hexachlorobutadiene	14.085	225	8404	0.121	ppbv	88
79] 1,2-Dichlorotetrafluor...	4.027	85	14454	0.115	ppbv#	64
80] Vinyl Chloride(sim)	4.128	62	4766	0.103	ppbv#	87
81] Bromomethane(sim)	4.460	94	5602m	0.109	ppbv	96
82] Trichlorofluoromethane...	5.158	101	16429	0.106	ppbv#	98
83] 1,2-Dichloroethane(sim)	7.561	62	4113	0.101	ppbv#	1
84] 1,1,1-Trichloroethane(...	7.719	97	7094	0.104	ppbv#	90
85] Benzene(sim)	8.002	78	10759	0.105	ppbv#	84
86] Carbon Tetrachloride(sim)	8.100	117	6411	0.098	ppbv	92
87] 1,1-Dichloroethene(sim)	5.592	61	9947	0.120	ppbv#	80
88] Trichlorotrifluoroetha...	5.833	101	12718	0.114	ppbv#	93
89] Trans-1,2-Dichloroethe...	6.280	61	4844m	0.111	ppbv	38
90] 1,1-Dichloroethane(sim)	6.405	63	6143	0.108	ppbv	99
91] Cis-1,2-Dichloroethene...	6.926	61	5562	0.124	ppbv#	87
92] Chloroform(sim)	7.107	83	7002	0.104	ppbv#	94
94] 1,2-dichloropropane(sim)	8.489	63	4160	0.104	ppbv#	88
95] Bromodichloromethane(sim)	8.607	83	5755	0.093	ppbv#	77
96] Trichloroethene(sim)	8.628	130	6800	0.107	ppbv#	81
97] 1,4-Dioxane(sim)	8.645	88	2123m	0.098	ppbv	1
98] cis-1,3-Dichloropropen...	9.112	75	5600	0.102	ppbv#	94
99] 1,1,2-Trichloroethane(...	9.517	97	4877	0.108	ppbv	89
100] Dibromochloromethane(sim)	9.928	129	7941	0.102	ppbv	97
101] 1,2-Dibromoethane(EDB)...	10.066	107	8213	0.105	ppbv	99
102] Tetrachloroethene(sim)	10.315	166	8861	0.106	ppbv	90
104] Bromoform(sim)	11.058	173	6981	0.104	ppbv	96
105] m, p-Xylene(sim)	10.980	91	23741	0.214	ppbv#	92
106] 1,1,2,2-Tetrachloroeth...	11.240	83	10635	0.105	ppbv#	99
107] Benzyl chloride(sim)	12.323	91	7447	0.090	ppbv	87
108] 1,3-Dichlorobenzene(sim)	12.348	146	15133	0.105	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.383	146	12190	0.102	ppbv	89

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_08.D
Acq On : 31 Jan 2025 2:19 am
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppb; T01510D
ALS Vial : 4 Sample Multiplier: 1

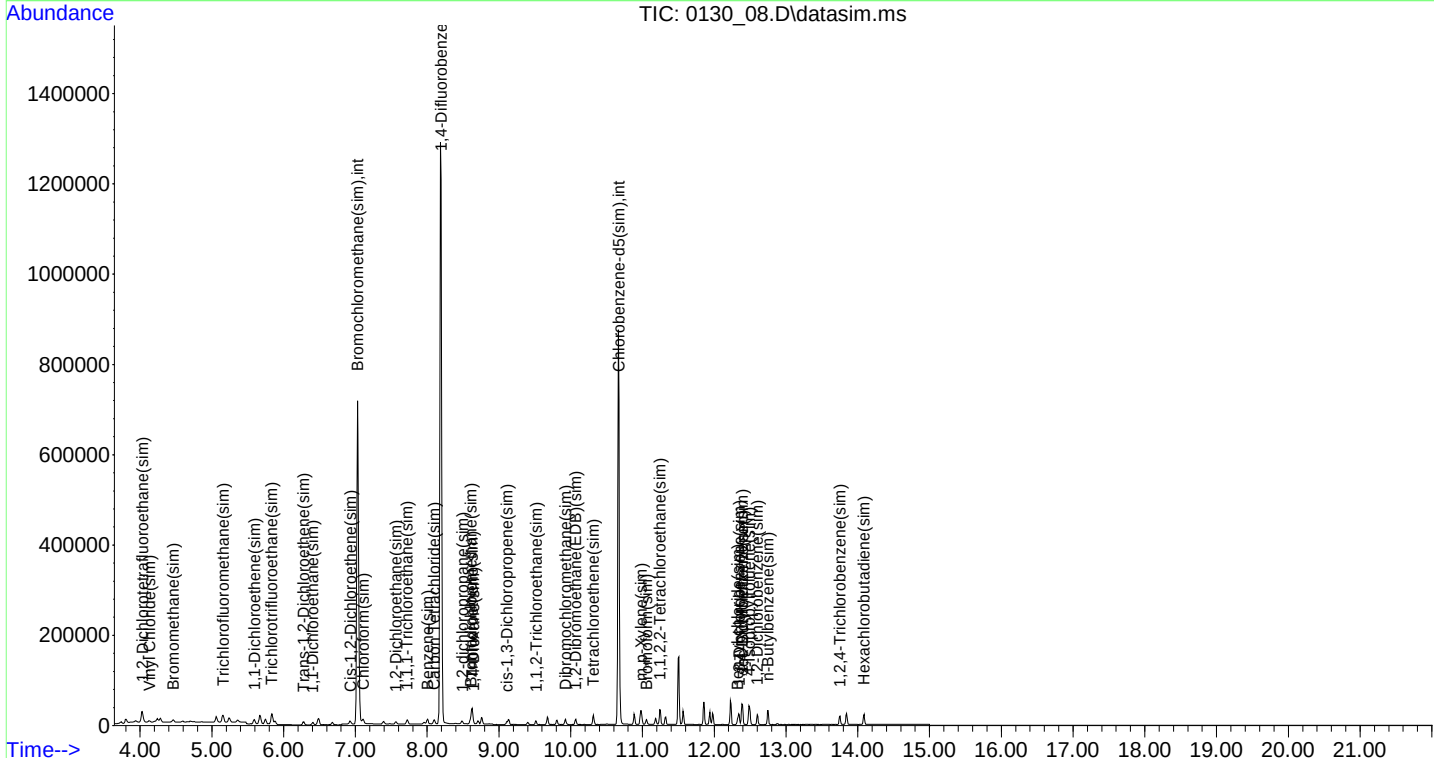
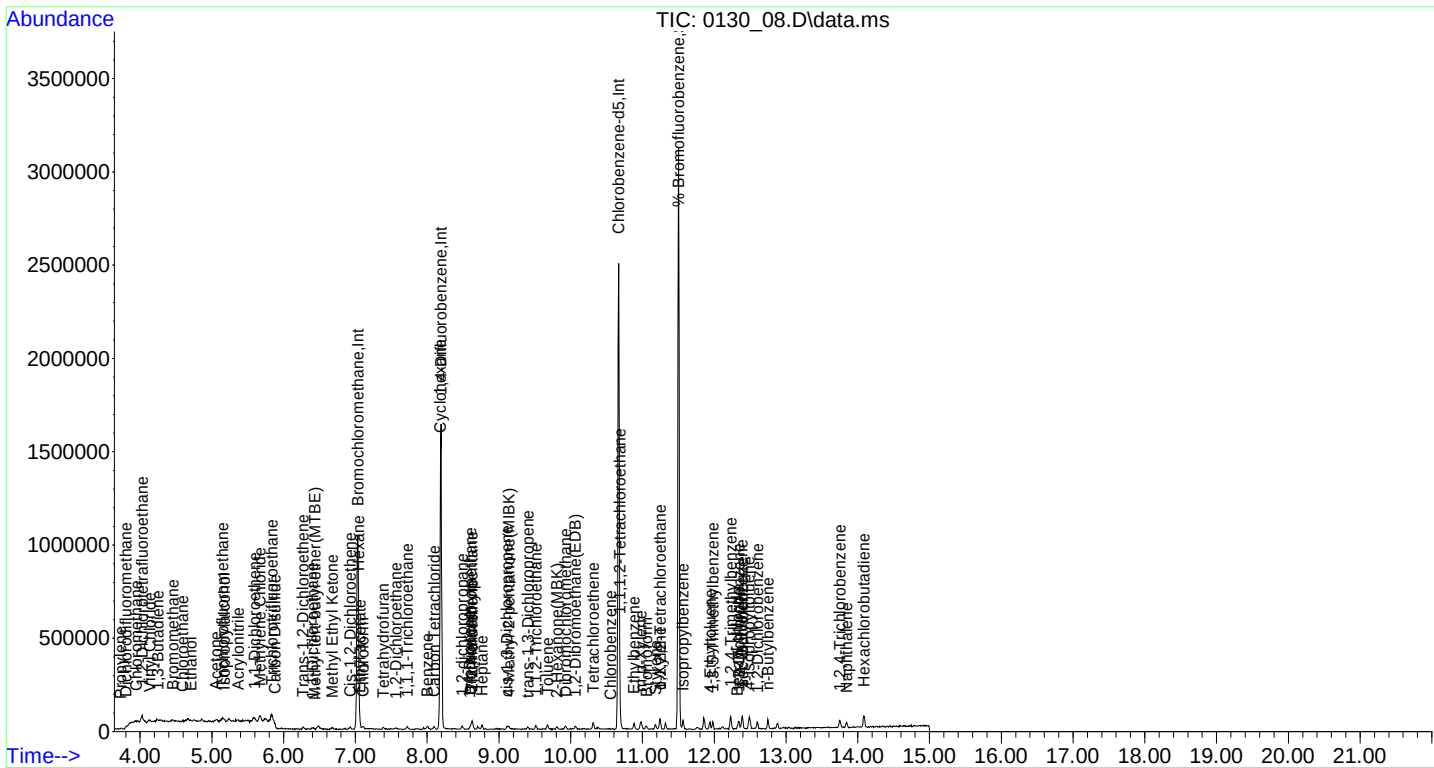
Quant Time: Jan 31 10:41:24 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:40:46 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.394	105	25458	0.104	ppbv	90
111]	4-Isopropyltoluene(sim)	12.482	119	23328	0.106	ppbv#	78
112]	1,2-Dichlorobenzene(sim)	12.599	146	14723	0.107	ppbv	91
113]	n-Butylbenzene(sim)	12.748	91	18690	0.105	ppbv	89
114]	1,2,4-Trichlorobenzene...	13.753	180	11299	0.096	ppbv	98
116]	Hexachlorobutadiene(sim)	14.088	225	11289	0.103	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_08.D
Acq On : 31 Jan 2025 2:19 am
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppb; T01510D
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 31 10:41:24 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:40:46 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_09.D
 Acq On : 31 Jan 2025 2:51 am
 Operator :
 Client ID : ICAL 0.2
 Lab ID : 0.20 ppb; T01510D
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 10:42:15 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:41:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	363947	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1202255	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	507743	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	413699	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1202255	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	508182	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	639216	11.216	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	112.20%	

Target Compounds					Qvalue	
2) Propylene	3.743	41	7660	0.261	ppbv#	75
3) Dichlorodifluoromethane	3.808	85	19526	0.221	ppbv#	84
4) Chloromethane	3.954	50	10837	0.259	ppbv	97
5) 1,2-Dichlorotetrafluor...	4.027	85	23983	0.205	ppbv#	69
6) Vinyl Chloride	4.125	62	9467	0.234	ppbv	82
7) 1,3-Butadiene	4.246	54	7886	0.238	ppbv#	75
8) Bromomethane	4.465	94	10281	0.224	ppbv#	92
9) Chloroethane	4.603	64	4213	0.229	ppbv#	54
11) Ethanol	4.709	45	5925	0.291	ppbv#	18
12) Acetone	5.066	43	25285	0.270	ppbv#	76
13) Trichlorofluoromethane	5.155	101	29889	0.217	ppbv	92
14) Isopropylalcohol	5.236	45	21761m	0.223	ppbv	14
15) Acrylonitrile	5.358	53	7527	0.221	ppbv#	1
16) 1,1-Dichloroethene	5.586	61	15223	0.205	ppbv#	66
17) Methylene Chloride	5.676	49	18618	0.281	ppbv	97
20) Carbon Disulfide	5.878	76	23726	0.244	ppbv#	89
21) Trichlorotrifluoroethane	5.837	101	23214	0.242	ppbv	94
22) Trans-1,2-Dichloroethene	6.277	61	8683	0.222	ppbv#	73
23) 1,1-Dichloroethane	6.408	63	10736	0.218	ppbv	96
24) Methyl tert-butyl ethe...	6.470	73	14534m	0.209	ppbv	100
25) Methyl Ethyl Ketone	6.674	43	15032	0.215	ppbv#	86
26) Cis-1,2-Dichloroethene	6.918	61	7425	0.197	ppbv#	57
27) Hexane	7.034	57	11082	0.245	ppbv#	97
28) Chloroform	7.112	83	12153	0.204	ppbv	83
29) Ethyl acetate	7.057	61	2579	0.247	ppbv#	72
30) Tetrahydrofuran	7.391	42	8794	0.238	ppbv#	80
31) 1,2-Dichloroethane	7.561	62	8327	0.222	ppbv#	70
32) 1,1,1-Trichloroethane	7.732	97	12694	0.208	ppbv	89
33) Benzene	8.002	78	18614	0.209	ppbv#	93
34) Carbon Tetrachloride	8.097	117	12365	0.187	ppbv	97
35) Cyclohexane	8.175	84	10694	0.292	ppbv#	83
37) 1,2-dichloropropane	8.486	63	7303	0.199	ppbv#	82
38) Bromodichloromethane	8.599	83	11827	0.173	ppbv	97
39) Trichloroethene	8.616	130	11835	0.203	ppbv#	84
40) 2,2,4-trimethylpentane	8.625	57	30662	0.205	ppbv#	93
41) 1,4-Dioxane	8.642	88	4957m	0.221	ppbv	1
43) Heptane	8.763	43	15172	0.236	ppbv#	90
44) cis-1,3-Dichloropropene	9.107	75	10787	0.197	ppbv	93
45) 4-Methyl-2-pentanone(M...	9.135	43	20675	0.213	ppbv#	88
46) trans-1,3-Dichloropropene	9.403	75	7726	0.191	ppbv#	88
47) 1,1,2-Trichloroethane	9.515	97	10141	0.235	ppbv	88
48) Toluene	9.677	91	24478	0.200	ppbv#	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_09.D
 Acq On : 31 Jan 2025 2:51 am
 Operator :
 Client ID : ICAL 0.2
 Lab ID : 0.20 ppb; T01510D
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 10:42:15 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:41:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.931	129	13401	0.161	ppbv	96
50) 2-Hexanone(MBK)	9.811	43	16718	0.191	ppbv#	55
51) 1,2-Dibromoethane(EDB)	10.064	107	14741	0.197	ppbv	100
52) Tetrachloroethene	10.318	166	15589	0.217	ppbv	89
54) 1,1,1,2-Tetrachloroethane	10.675	131	9650	0.184	ppbv#	75
55) Chlorobenzene	10.690	112	21858	0.231	ppbv	84
56) Ethylbenzene	10.887	91	29567	0.219	ppbv	86
57) m,p-Xylene	10.978	91	41762	0.422	ppbv	100
58) Bromoform	11.054	173	12911	0.214	ppbv	94
59) Styrene	11.183	104	18450	0.222	ppbv#	70
60) 1,1,2,2-Tetrachloroethane	11.243	83	20427	0.238	ppbv	90
61) o-Xylene	11.243	91	24970	0.227	ppbv	92
64) Isopropylbenzene	11.569	105	32934	0.213	ppbv#	92
65) 4-Ethyltoluene	11.941	105	35126	0.218	ppbv	95
66) 1,3,5-Trimethylbenzene	11.979	105	28892	0.228	ppbv#	92
67) 1,2,4-Trimethylbenzene	12.230	105	28562	0.199	ppbv#	83
68) Benzyl chloride	12.329	91	15151	0.175	ppbv	95
69) 1,3-Dichlorobenzene	12.344	146	26395	0.232	ppbv#	85
70) 1,4-Dichlorobenzene	12.382	146	21446	0.195	ppbv	100
71) sec-Butylbenzene	12.389	105	44090	0.216	ppbv#	90
72) 4-Isopropyltoluene	12.481	119	43449	0.212	ppbv	100
73) 1,2-Dichlorobenzene	12.602	146	24571	0.233	ppbv#	89
74) n-Butylbenzene	12.746	91	35978	0.221	ppbv#	90
75) 1,2,4-Trichlorobenzene	13.749	180	16713	0.208	ppbv	97
76) Naphthalene	13.840	128	39849	0.212	ppbv#	95
77) Hexachlorobutadiene	14.091	225	16172	0.238	ppbv	96
79] 1,2-Dichlorotetrafluor...	4.027	85	23983	0.195	ppbv#	69
80] Vinyl Chloride(sim)	4.128	62	8706	0.191	ppbv	95
81] Bromomethane(sim)	4.465	94	10281	0.204	ppbv#	89
82] Trichlorofluoromethane...	5.158	101	30679	0.202	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.561	62	8327	0.210	ppbv#	1
84] 1,1,1-Trichloroethane(...	7.727	97	13094	0.195	ppbv#	91
85] Benzene(sim)	8.002	78	18614	0.186	ppbv#	93
86] Carbon Tetrachloride(sim)	8.100	117	12532	0.196	ppbv	95
87] 1,1-Dichloroethene(sim)	5.586	61	15223	0.188	ppbv#	65
88] Trichlorotrifluoroetha...	5.839	101	23099	0.212	ppbv#	93
89] Trans-1,2-Dichloroethe...	6.277	61	8683	0.204	ppbv#	73
90] 1,1-Dichloroethane(sim)	6.405	63	11358	0.204	ppbv	98
91] Cis-1,2-Dichloroethene...	6.918	61	7425	0.169	ppbv#	56
92] Chloroform(sim)	7.107	83	13426	0.204	ppbv	99
94] 1,2-dichloropropane(sim)	8.489	63	7764	0.197	ppbv#	88
95] Bromodichloromethane(sim)	8.599	83	11827	0.195	ppbv	97
96] Trichloroethene(sim)	8.628	130	12607	0.203	ppbv#	81
97] 1,4-Dioxane(sim)	8.642	88	4957	0.234	ppbv#	68
98] cis-1,3-Dichloropropen...	9.110	75	10421	0.194	ppbv#	93
99] 1,1,2-Trichloroethane(...	9.515	97	9703	0.219	ppbv	91
100] Dibromochloromethane(sim)	9.927	129	15203	0.200	ppbv	98
101] 1,2-Dibromoethane(EDB)...	10.064	107	14664	0.191	ppbv	97
102] Tetrachloroethene(sim)	10.314	166	16328	0.199	ppbv	94
104] Bromoform(sim)	11.057	173	13387	0.202	ppbv	97
105] m,p-Xylene(sim)	10.978	91	41762	0.383	ppbv#	83
106] 1,1,2,2-Tetrachloroeth...	11.239	83	20001	0.200	ppbv#	99
107] Benzyl chloride(sim)	12.329	91	15151	0.186	ppbv	95
108] 1,3-Dichlorobenzene(sim)	12.347	146	28735	0.202	ppbv#	89
109] 1,4-Dichlorobenzene(sim)	12.382	146	21450	0.182	ppbv	85

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_09.D
Acq On : 31 Jan 2025 2:51 am
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppb; T01510D
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 10:42:15 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:41:39 2025
Response via : Initial Calibration

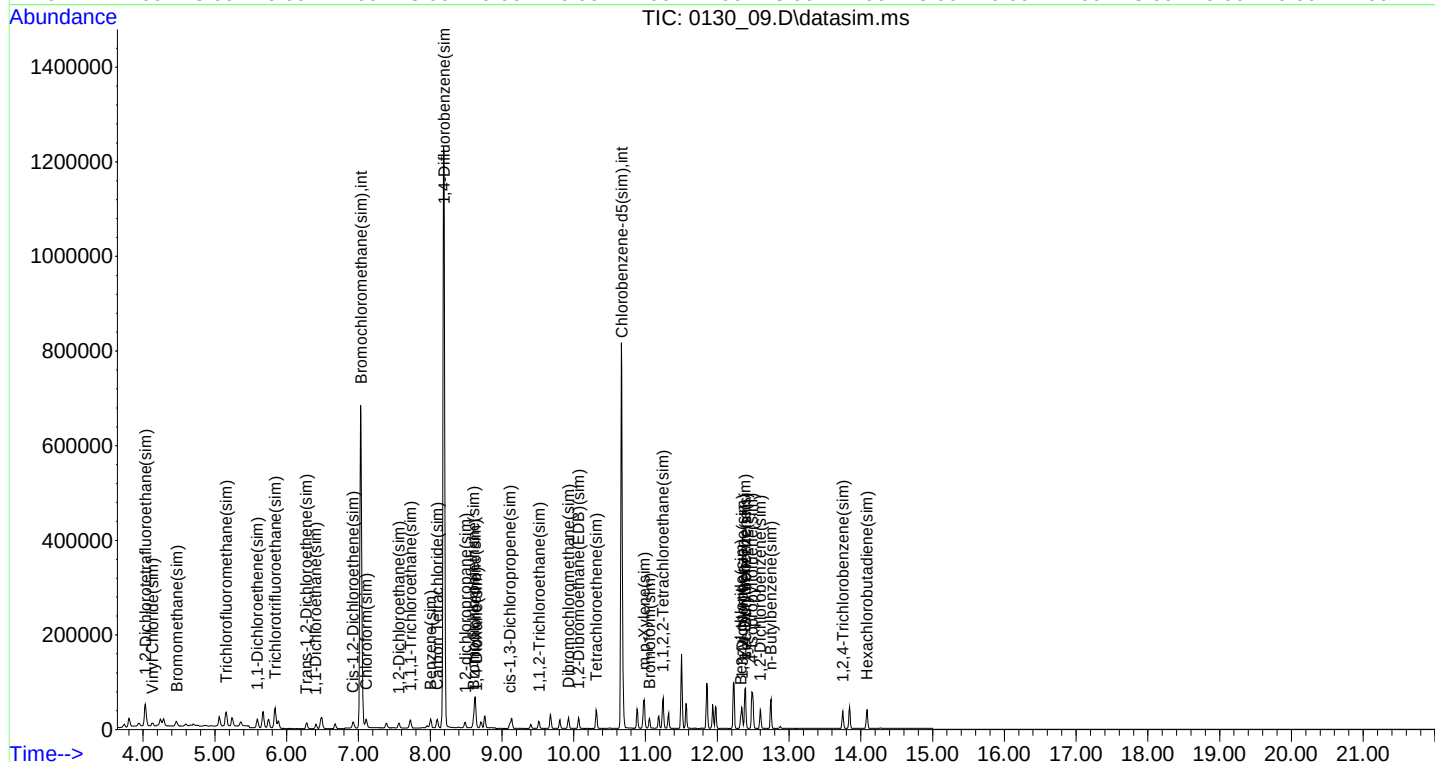
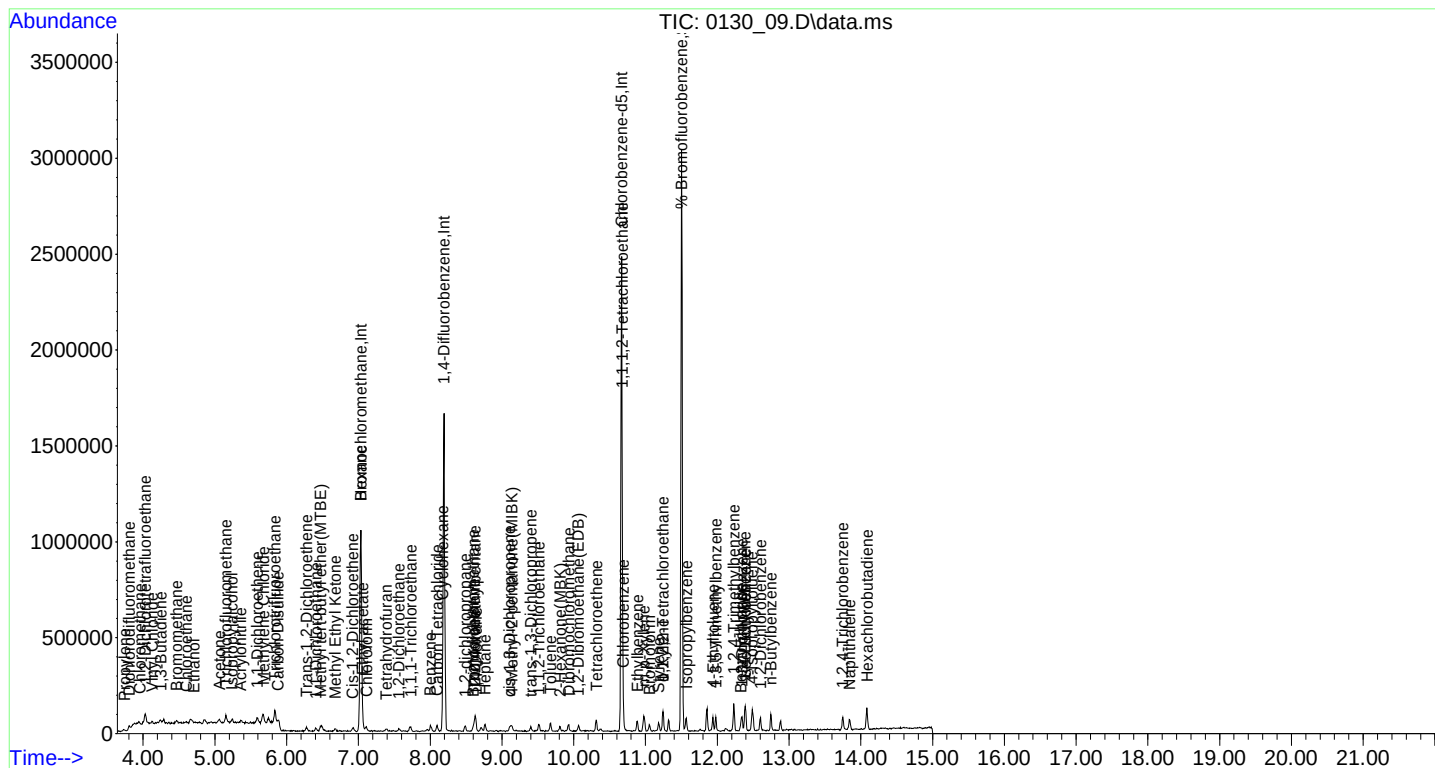
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.392	105	47945	0.200	ppbv	89
111]	4-Isopropyltoluene(sim)	12.481	119	43449	0.200	ppbv#	78
112]	1,2-Dichlorobenzene(sim)	12.597	146	27308	0.201	ppbv	91
113]	n-Butylbenzene(sim)	12.746	91	35978	0.205	ppbv	90
114]	1,2,4-Trichlorobenzene...	13.752	180	21011	0.181	ppbv	97
116]	Hexachlorobutadiene(sim)	14.086	225	20008	0.186	ppbv	96

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_09.D
Acq On : 31 Jan 2025 2:51 am
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppb; T01510D
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 10:42:15 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:41:39 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_10.D
 Acq On : 31 Jan 2025 3:24 am
 Operator :
 Client ID : ICAL 0.5
 Lab ID : 0.50 ppb; T01510D
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 31 10:31:38 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	361429	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1174372	10.000	ng	0.00
53) Chlorobenzene-d5	10.669	82	503561	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	408985	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1174290	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.669	82	503429	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.503	95	634143	10.904	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	109.00%
Target Compounds						
					Qvalue	
2) Propylene	3.735	41	15889	0.545	ppbv	91
3) Dichlorodifluoromethane	3.800	85	42092	0.479	ppbv	97
4) Chloromethane	3.938	50	21093	0.508	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.027	85	59910	0.515	ppbv#	73
6) Vinyl Chloride	4.124	62	22074	0.549	ppbv	95
7) 1,3-Butadiene	4.238	54	19339	0.587	ppbv	98
8) Bromomethane	4.457	94	23999	0.527	ppbv	97
9) Chloroethane	4.603	64	10026m	0.549	ppbv	80
11) Ethanol	4.700	45	12481	0.617	ppbv#	1
12) Acetone	5.057	43	46963	0.504	ppbv#	78
13) Trichlorofluoromethane	5.155	101	68834	0.504	ppbv	97
14) Isopropylalcohol	5.244	45	49471	0.510	ppbv#	94
15) Acrylonitrile	5.366	53	18006	0.533	ppbv#	1
16) 1,1-Dichloroethene	5.592	61	39529	0.535	ppbv#	80
17) Methylene Chloride	5.670	49	35804	0.544	ppbv	98
20) Carbon Disulfide	5.884	76	40473	0.420	ppbv	96
21) Trichlorotrifluoroethane	5.830	101	34138	0.358	ppbv	88
22) Trans-1,2-Dichloroethene	6.272	61	19806m	0.510	ppbv	95
23) 1,1-Dichloroethane	6.402	63	24972	0.511	ppbv	96
24) Methyl tert-butyl ethe...	6.470	73	34879m	0.504	ppbv	100
25) Methyl Ethyl Ketone	6.668	43	31808	0.457	ppbv#	93
26) Cis-1,2-Dichloroethene	6.925	61	19742	0.527	ppbv#	73
27) Hexane	7.042	57	20932	0.465	ppbv	94
28) Chloroform	7.111	83	30244	0.510	ppbv	91
29) Ethyl acetate	7.057	61	4856	0.468	ppbv#	89
30) Tetrahydrofuran	7.390	42	19864	0.542	ppbv#	85
31) 1,2-Dichloroethane	7.561	62	19042	0.511	ppbv#	80
32) 1,1,1-Trichloroethane	7.724	97	28271	0.467	ppbv	94
33) Benzene	8.010	78	44827	0.507	ppbv	95
34) Carbon Tetrachloride	8.097	117	29358	0.447	ppbv	92
35) Cyclohexane	8.175	84	17254	0.474	ppbv#	79
37) 1,2-dichloropropane	8.486	63	18212	0.507	ppbv#	91
38) Bromodichloromethane	8.598	83	28945	0.433	ppbv	96
39) Trichloroethene	8.624	130	27900	0.489	ppbv#	77
40) 2,2,4-trimethylpentane	8.624	57	67554	0.462	ppbv#	88
41) 1,4-Dioxane	8.633	88	9768	0.446	ppbv	88
43) Heptane	8.763	43	30856	0.492	ppbv#	90
44) cis-1,3-Dichloropropene	9.109	75	24405	0.456	ppbv	94
45) 4-Methyl-2-pentanone(M...	9.130	43	42803	0.451	ppbv#	93
46) trans-1,3-Dichloropropene	9.404	75	16181	0.408	ppbv#	81
47) 1,1,2-Trichloroethane	9.510	97	20217	0.479	ppbv	95
48) Toluene	9.672	91	56815	0.476	ppbv	94

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_10.D
 Acq On : 31 Jan 2025 3:24 am
 Operator :
 Client ID : ICAL 0.5
 Lab ID : 0.50 ppb; T01510D
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 31 10:31:38 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.925	129	34665	0.426	ppbv	97
50) 2-Hexanone(MBK)	9.805	43	36498	0.426	ppbv#	41
51) 1,2-Dibromoethane(EDB)	10.066	107	33901	0.464	ppbv	100
52) Tetrachloroethene	10.312	166	33570	0.479	ppbv	96
54) 1,1,1,2-Tetrachloroethane	10.676	131	27384	0.526	ppbv#	94
55) Chlorobenzene	10.691	112	50292	0.537	ppbv	86
56) Ethylbenzene	10.888	91	72074	0.539	ppbv	86
57) m, p-Xylene	10.979	91	104886	1.068	ppbv	100
58) Bromoform	11.055	173	26991	0.451	ppbv	95
59) Styrene	11.184	104	45826	0.556	ppbv#	78
60) 1,1,2,2-Tetrachloroethane	11.237	83	44668	0.525	ppbv	95
61) o-Xylene	11.245	91	55483	0.509	ppbv#	85
64) Isopropylbenzene	11.563	105	86720	0.566	ppbv#	95
65) 4-Ethyltoluene	11.935	105	86290	0.540	ppbv#	90
66) 1,3,5-Trimethylbenzene	11.981	105	68046	0.542	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.231	105	69087	0.485	ppbv#	85
68) Benzyl chloride	12.330	91	36195	0.422	ppbv#	94
69) 1,3-Dichlorobenzene	12.345	146	59090	0.524	ppbv#	86
70) 1,4-Dichlorobenzene	12.383	146	56820	0.521	ppbv	100
71) sec-Butylbenzene	12.391	105	103450	0.511	ppbv#	90
72) 4-Isopropyltoluene	12.482	119	102676	0.505	ppbv	100
73) 1,2-Dichlorobenzene	12.596	146	59341	0.568	ppbv#	86
74) n-Butylbenzene	12.748	91	83153	0.514	ppbv#	93
75) 1,2,4-Trichlorobenzene	13.750	180	41370	0.520	ppbv	97
76) Naphthalene	13.841	128	93881	0.504	ppbv#	95
77) Hexachlorobutadiene	14.084	225	36528	0.541	ppbv	95
79] 1,2-Dichlorotetrafluor...	4.027	85	59910	0.494	ppbv#	73
80] Vinyl Chloride(sim)	4.127	62	21120	0.470	ppbv	98
81] Bromomethane(sim)	4.457	94	23999	0.483	ppbv	98
82] Trichlorofluoromethane...	5.158	101	74165	0.495	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.561	62	19042	0.485	ppbv#	1
84] 1,1,1-Trichloroethane(...	7.727	97	32561	0.491	ppbv#	92
85] Benzene(sim)	8.010	78	44827	0.452	ppbv	95
86] Carbon Tetrachloride(sim)	8.100	117	31584	0.499	ppbv	95
87] 1,1-Dichloroethene(sim)	5.592	61	39529	0.495	ppbv#	80
88] Trichlorotrifluoroetha...	5.839	101	38174	0.355	ppbv#	95
89] Trans-1,2-Dichloroethe...	6.280	61	20986m	0.498	ppbv	95
90] 1,1-Dichloroethane(sim)	6.410	63	26307	0.477	ppbv	98
91] Cis-1,2-Dichloroethene...	6.925	61	19742	0.454	ppbv#	77
92] Chloroform(sim)	7.107	83	32430	0.499	ppbv	98
94] 1,2-dichloropropane(sim)	8.489	63	18898	0.492	ppbv#	85
95] Bromodichloromethane(sim)	8.598	83	28944	0.488	ppbv	98
96] Trichloroethene(sim)	8.627	130	30168	0.496	ppbv#	83
97] 1,4-Dioxane(sim)	8.633	88	9768	0.472	ppbv	86
98] cis-1,3-Dichloropropen...	9.112	75	25561	0.487	ppbv#	94
99] 1,1,2-Trichloroethane(...	9.510	97	19821	0.457	ppbv	95
100] Dibromochloromethane(sim)	9.928	129	37003	0.498	ppbv	98
101] 1,2-Dibromoethane(EDB)...	10.066	107	33901	0.451	ppbv	100
102] Tetrachloroethene(sim)	10.315	166	40658	0.507	ppbv	98
104] Bromoform(sim)	11.058	173	33289	0.508	ppbv	96
105] m, p-Xylene(sim)	10.979	91	104886	0.972	ppbv#	83
106] 1,1,2,2-Tetrachloroeth...	11.240	83	47933	0.484	ppbv#	99
107] Benzyl chloride(sim)	12.330	91	36151	0.448	ppbv	94
108] 1,3-Dichlorobenzene(sim)	12.341	146	69558	0.494	ppbv#	90
109] 1,4-Dichlorobenzene(sim)	12.383	146	56820	0.488	ppbv#	85

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_10.D
Acq On : 31 Jan 2025 3:24 am
Operator :
Client ID : ICAL 0.5
Lab ID : 0.50 ppb; T01510D
ALS Vial : 6 Sample Multiplier: 1

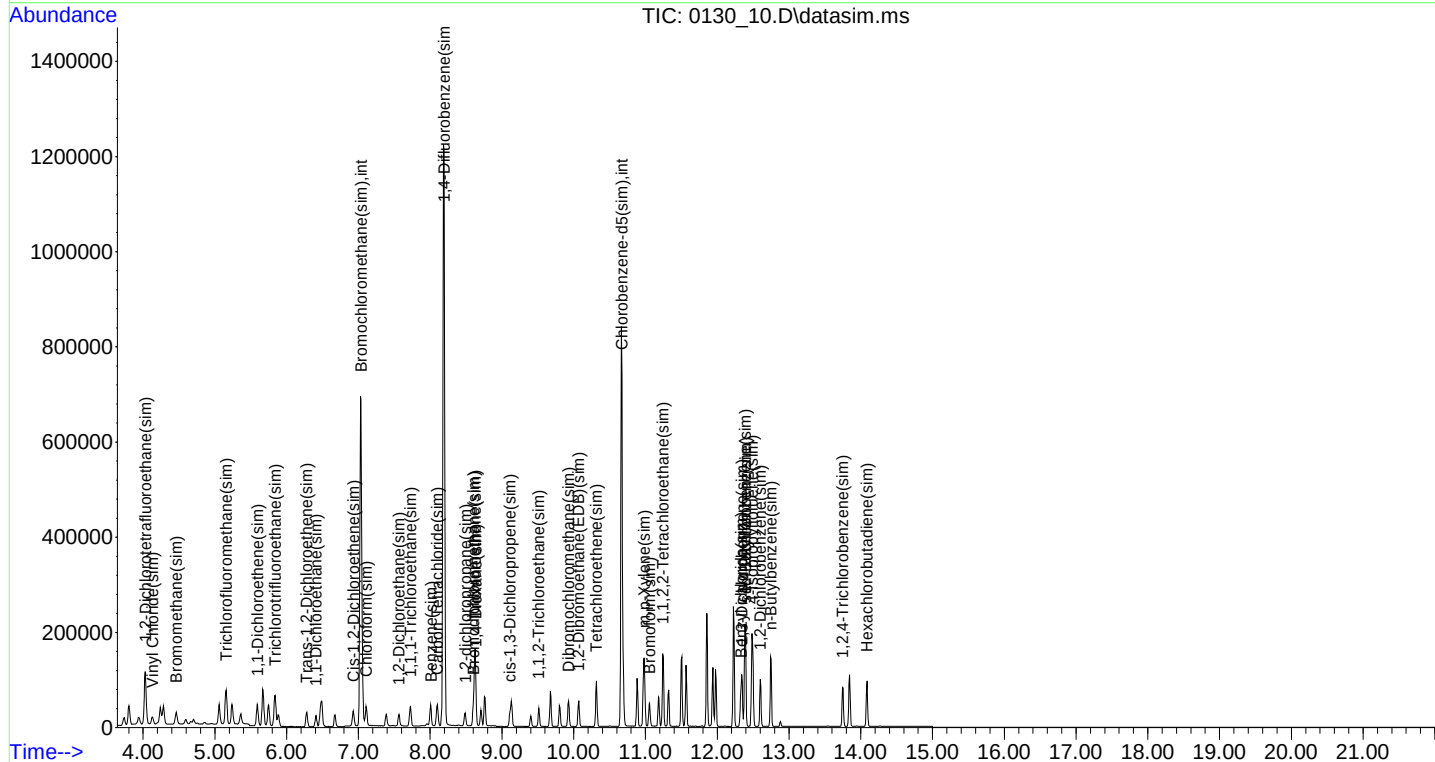
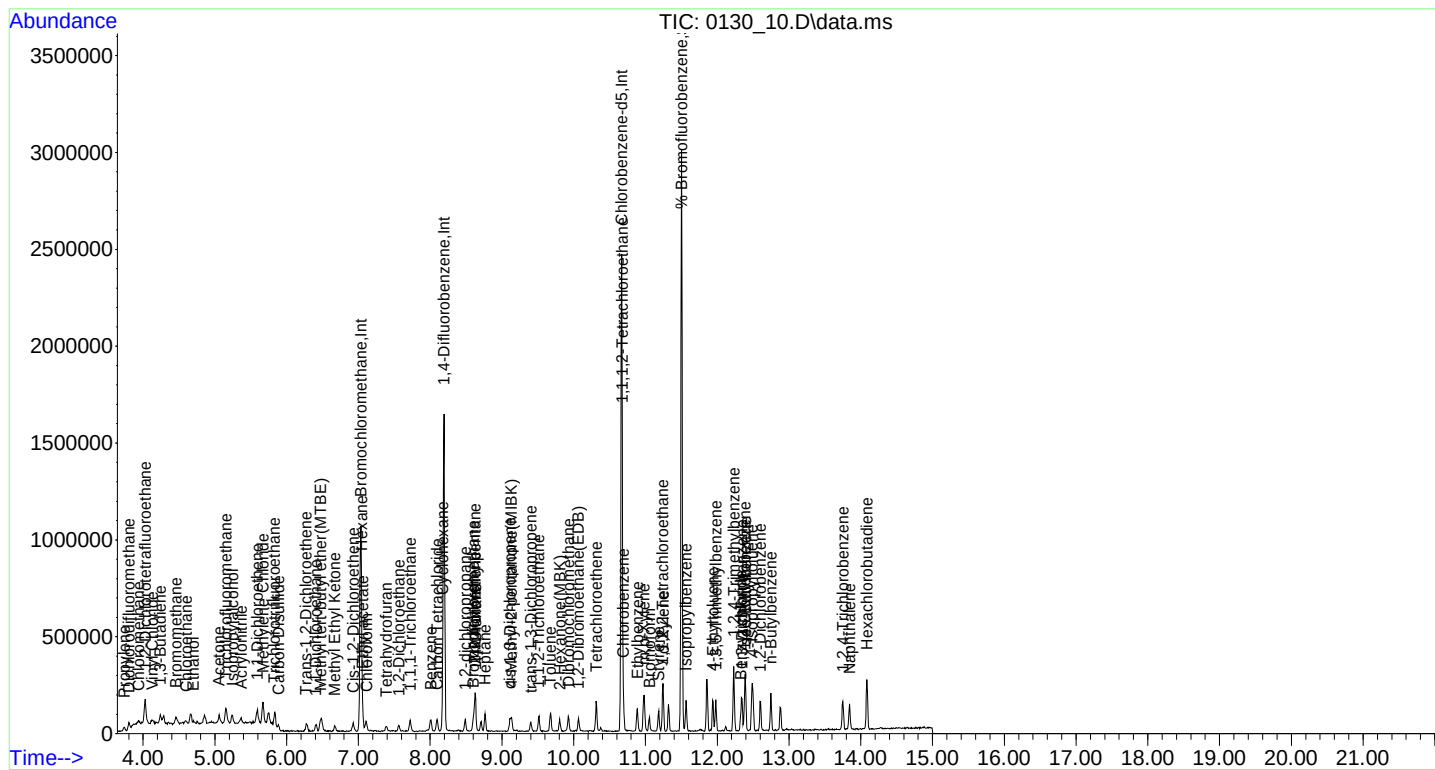
Quant Time: Jan 31 10:31:38 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.394	105	117643	0.495	ppbv	89
111]	4-Isopropyltoluene(sim)	12.482	119	102676	0.477	ppbv#	77
112]	1,2-Dichlorobenzene(sim)	12.599	146	65815	0.490	ppbv	91
113]	n-Butylbenzene(sim)	12.748	91	83153	0.479	ppbv	93
114]	1,2,4-Trichlorobenzene...	13.746	180	49721	0.433	ppbv	98
116]	Hexachlorobutadiene(sim)	14.087	225	47767	0.452	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_10.D
Acq On : 31 Jan 2025 3:24 am
Operator :
Client ID : ICAL 0.5
Lab ID : 0.50 ppb; T01510D
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 31 10:31:38 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_11.D
 Acq On : 31 Jan 2025 3:58 am
 Operator :
 Client ID : ICAL 2.5
 Lab ID : 2.5 ppb; T01510C
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 31 10:31:58 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	361205	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1179378	10.000	ng	0.00
53) Chlorobenzene-d5	10.669	82	520287	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	404232	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1179095	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.669	82	520206	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.503	95	642607	10.694	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	106.90%	

Target Compounds

						Qvalue
2) Propylene	3.735	41	67090	2.303	ppbv	92
3) Dichlorodifluoromethane	3.800	85	214879	2.448	ppbv	97
4) Chloromethane	3.938	50	94283	2.270	ppbv	97
5) 1,2-Dichlorotetrafluor...	4.027	85	280329	2.410	ppbv#	70
6) Vinyl Chloride	4.125	62	94690	2.358	ppbv	93
7) 1,3-Butadiene	4.246	54	77025	2.339	ppbv#	84
8) Bromomethane	4.465	94	111616m	2.453	ppbv	97
9) Chloroethane	4.595	64	44935	2.461	ppbv	93
11) Ethanol	4.692	45	51829	2.565	ppbv#	41
12) Acetone	5.049	43	220151	2.366	ppbv#	82
13) Trichlorofluoromethane	5.155	101	341058	2.498	ppbv	94
14) Isopropylalcohol	5.228	45	239968	2.475	ppbv#	93
15) Acrylonitrile	5.358	53	79346	2.352	ppbv#	1
16) 1,1-Dichloroethene	5.592	61	186487	2.527	ppbv#	86
17) Methylene Chloride	5.670	49	157425	2.393	ppbv	96
20) Carbon Disulfide	5.884	76	255407	2.652	ppbv	98
21) Trichlorotrifluoroethane	5.837	101	245140	2.570	ppbv	95
22) Trans-1,2-Dichloroethene	6.283	61	93097	2.399	ppbv#	77
23) 1,1-Dichloroethane	6.408	63	122236	2.503	ppbv	96
24) Methyl tert-butyl ethe...	6.455	73	165094	2.389	ppbv#	85
25) Methyl Ethyl Ketone	6.658	43	175260	2.521	ppbv#	93
26) Cis-1,2-Dichloroethene	6.926	61	93046	2.485	ppbv#	81
27) Hexane	7.042	57	107142	2.383	ppbv	100
28) Chloroform	7.112	83	145909	2.462	ppbv	94
29) Ethyl acetate	7.050	61	25668	2.477	ppbv#	76
30) Tetrahydrofuran	7.375	42	83800	2.286	ppbv	94
31) 1,2-Dichloroethane	7.569	62	90454	2.427	ppbv#	83
32) 1,1,1-Trichloroethane	7.724	97	140911	2.328	ppbv	94
33) Benzene	8.010	78	215809	2.441	ppbv	96
34) Carbon Tetrachloride	8.097	117	152245	2.320	ppbv	96
35) Cyclohexane	8.175	84	86783	2.386	ppbv	88
37) 1,2-dichloropropane	8.486	63	86769	2.407	ppbv#	85
38) Bromodichloromethane	8.599	83	155347	2.314	ppbv	98
39) Trichloroethene	8.625	130	131210	2.292	ppbv#	82
40) 2,2,4-trimethylpentane	8.625	57	337036	2.298	ppbv	98
41) 1,4-Dioxane	8.625	88	49128	2.232	ppbv#	83
43) Heptane	8.763	43	144191	2.290	ppbv#	91
44) cis-1,3-Dichloropropene	9.109	75	121831	2.269	ppbv	92
45) 4-Methyl-2-pentanone(M...	9.130	43	218336	2.290	ppbv#	91
46) trans-1,3-Dichloropropene	9.404	75	94745	2.381	ppbv#	94
47) 1,1,2-Trichloroethane	9.517	97	97738	2.305	ppbv	97
48) Toluene	9.679	91	293365	2.446	ppbv#	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_11.D
 Acq On : 31 Jan 2025 3:58 am
 Operator :
 Client ID : ICAL 2.5
 Lab ID : 2.5 ppb; T01510C
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 31 10:31:58 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.925	129	188085	2.304	ppbv	100
50) 2-Hexanone(MBK)	9.799	43	213032	2.479	ppbv#	46
51) 1,2-Dibromoethane(EDB)	10.066	107	180067	2.452	ppbv	95
52) Tetrachloroethene	10.312	166	163663	2.327	ppbv	96
54) 1,1,1,2-Tetrachloroethane	10.676	131	133036	2.475	ppbv#	91
55) Chlorobenzene	10.692	112	252043	2.604	ppbv#	79
56) Ethylbenzene	10.881	91	363289	2.630	ppbv	85
57) m, p-Xylene	10.980	91	542459	5.348	ppbv	100
58) Bromoform	11.055	173	150445	2.434	ppbv	99
59) Styrene	11.184	104	227219	2.670	ppbv#	81
60) 1,1,2,2-Tetrachloroethane	11.245	83	223183	2.538	ppbv	93
61) o-Xylene	11.245	91	278340	2.473	ppbv#	82
64) Isopropylbenzene	11.563	105	406028	2.563	ppbv#	94
65) 4-Ethyltoluene	11.943	105	433440	2.627	ppbv#	93
66) 1,3,5-Trimethylbenzene	11.981	105	342118	2.636	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.232	105	367919	2.499	ppbv#	86
68) Benzyl chloride	12.330	91	223418	2.521	ppbv#	88
69) 1,3-Dichlorobenzene	12.345	146	297275	2.553	ppbv#	88
70) 1,4-Dichlorobenzene	12.383	146	294717	2.616	ppbv	100
71) sec-Butylbenzene	12.391	105	539920	2.580	ppbv#	90
72) 4-Isopropyltoluene	12.482	119	544095	2.588	ppbv	100
73) 1,2-Dichlorobenzene	12.604	146	280427	2.599	ppbv#	89
74) n-Butylbenzene	12.748	91	428805	2.568	ppbv#	93
75) 1,2,4-Trichlorobenzene	13.750	180	213668	2.600	ppbv	96
76) Naphthalene	13.842	128	520457	2.706	ppbv#	95
77) Hexachlorobutadiene	14.085	225	175333	2.514	ppbv	98
79] 1,2-Dichlorotetrafluor...	4.027	85	279674	2.331	ppbv#	70
80] Vinyl Chloride(sim)	4.128	62	103026	2.318	ppbv	99
81] Bromomethane(sim)	4.465	94	111966	2.278	ppbv#	91
82] Trichlorofluoromethane...	5.158	101	361009	2.436	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.569	62	90454	2.331	ppbv#	1
84] 1,1,1-Trichloroethane(...	7.727	97	160841	2.456	ppbv#	91
85] Benzene(sim)	8.010	78	215809	2.202	ppbv	96
86] Carbon Tetrachloride(sim)	8.100	117	170985	2.736	ppbv	96
87] 1,1-Dichloroethene(sim)	5.592	61	186487	2.361	ppbv#	86
88] Trichlorotrifluoroetha...	5.839	101	262559	2.471	ppbv#	97
89] Trans-1,2-Dichloroethe...	6.283	61	93097	2.235	ppbv#	77
90] 1,1-Dichloroethane(sim)	6.411	63	128755	2.363	ppbv	99
91] Cis-1,2-Dichloroethene...	6.926	61	93046	2.163	ppbv#	81
92] Chloroform(sim)	7.107	83	159661	2.487	ppbv	98
94] 1,2-dichloropropane(sim)	8.489	63	94061	2.438	ppbv#	85
95] Bromodichloromethane(sim)	8.599	83	155085	2.602	ppbv	98
96] Trichloroethene(sim)	8.628	130	150384	2.464	ppbv#	82
97] 1,4-Dioxane(sim)	8.625	88	49128	2.366	ppbv#	82
98] cis-1,3-Dichloropropen...	9.112	75	134967	2.558	ppbv#	94
99] 1,1,2-Trichloroethane(...	9.517	97	97853	2.249	ppbv	97
100] Dibromochloromethane(sim)	9.928	129	209923	2.811	ppbv	99
101] 1,2-Dibromoethane(EDB)...	10.066	107	180130	2.388	ppbv	95
102] Tetrachloroethene(sim)	10.315	166	197224	2.450	ppbv	96
104] Bromoform(sim)	11.058	173	177168	2.615	ppbv	97
105] m, p-Xylene(sim)	10.980	91	545511	4.892	ppbv#	84
106] 1,1,2,2-Tetrachloroeth...	11.240	83	245241	2.399	ppbv#	99
107] Benzyl chloride(sim)	12.330	91	223681	2.685	ppbv	88
108] 1,3-Dichlorobenzene(sim)	12.341	146	349868	2.405	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.383	146	295443	2.455	ppbv	87

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_11.D
Acq On : 31 Jan 2025 3:58 am
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5 ppb; T01510C
ALS Vial : 7 Sample Multiplier: 1

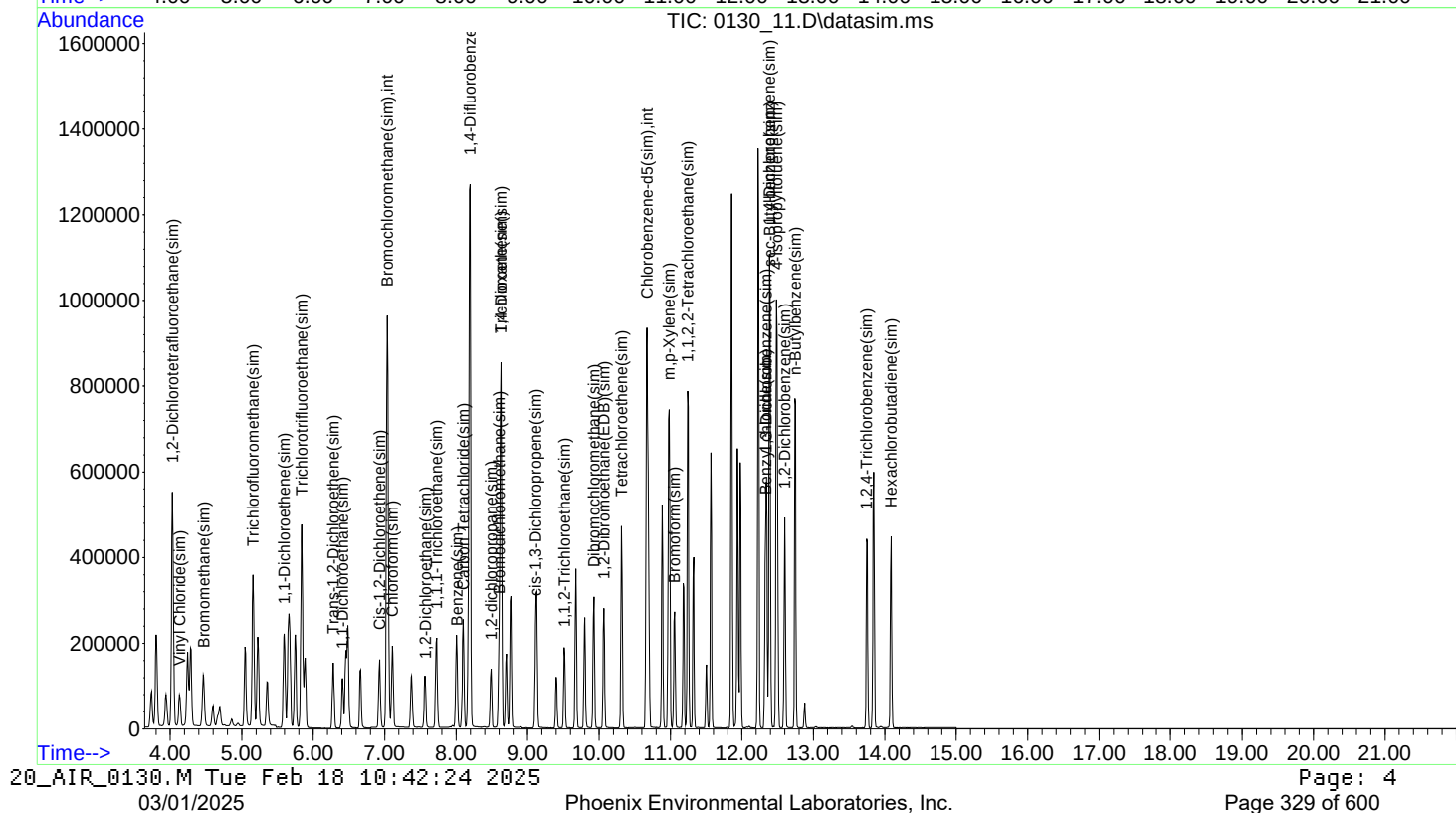
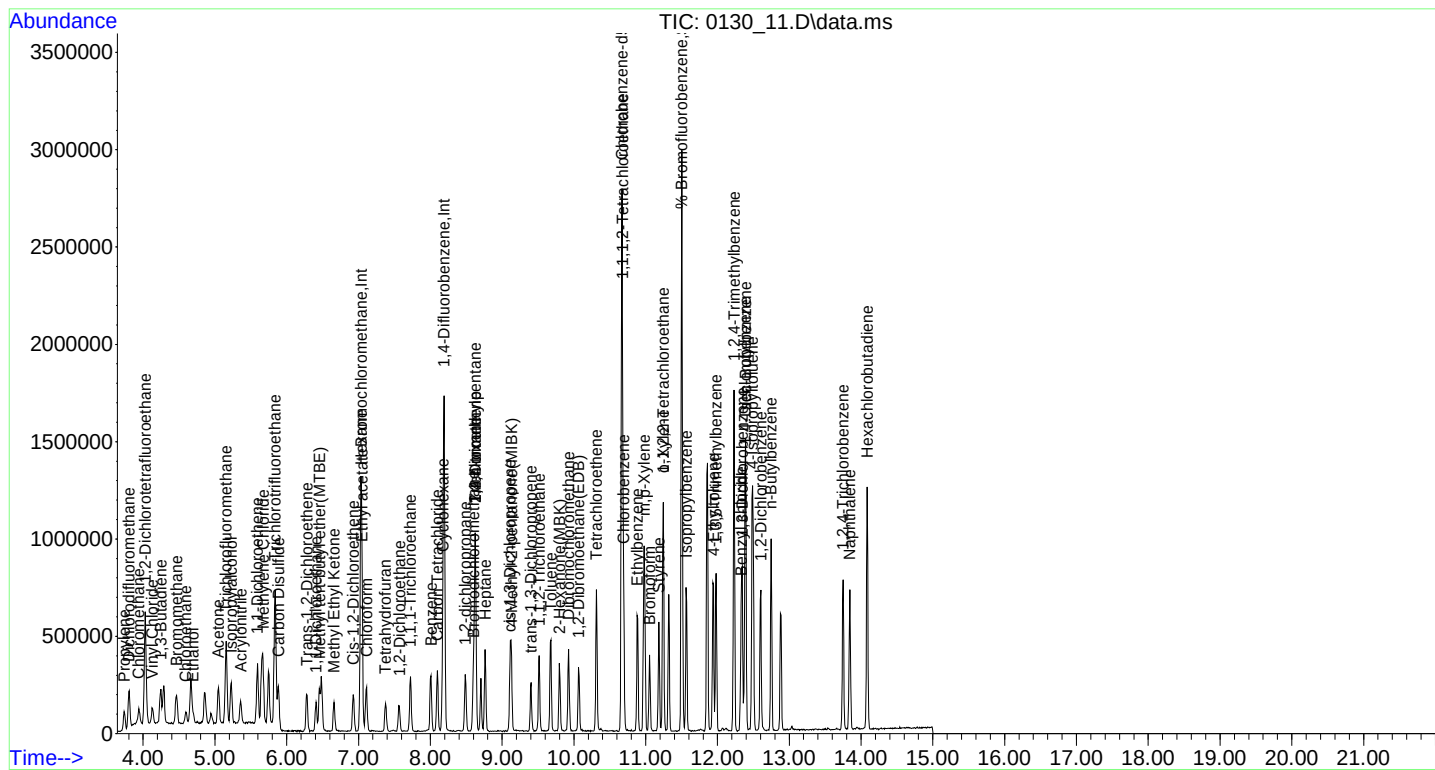
Quant Time: Jan 31 10:31:58 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.394	105	594005	2.419	ppbv	89
111]	4-Isopropyltoluene(sim)	12.482	119	544095	2.448	ppbv#	77
112]	1,2-Dichlorobenzene(sim)	12.599	146	327689	2.359	ppbv	91
113]	n-Butylbenzene(sim)	12.748	91	428805	2.392	ppbv	93
114]	1,2,4-Trichlorobenzene...	13.746	180	262735	2.217	ppbv	98
116]	Hexachlorobutadiene(sim)	14.088	225	226348	3.007	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_11.D
Acq On : 31 Jan 2025 3:58 am
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5 ppb; T01510C
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 31 10:31:58 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_12.D
 Acq On : 31 Jan 2025 4:29 am
 Operator :
 Client ID : ICAL 5
 Lab ID : 5.0 ppb; T01510B
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 31 10:32:24 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	343168	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1127248	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	507262	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	391144	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1127248	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	509507	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.501	95	621529	10.609	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 106.10%	

Target Compounds

						Qvalue
2) Propylene	3.735	41	134178	4.848	ppbv	90
3) Dichlorodifluoromethane	3.800	85	417147	5.002	ppbv	97
4) Chloromethane	3.938	50	195974	4.967	ppbv	94
5) 1,2-Dichlorotetrafluor...	4.027	85	559835	5.066	ppbv#	72
6) Vinyl Chloride	4.125	62	188570	4.942	ppbv	95
7) 1,3-Butadiene	4.238	54	151701	4.850	ppbv	94
8) Bromomethane	4.457	94	212922	4.926	ppbv#	92
9) Chloroethane	4.595	64	82928	4.780	ppbv	87
11) Ethanol	4.684	45	94219	4.909	ppbv#	40
12) Acetone	5.041	43	416792	4.715	ppbv#	82
13) Trichlorofluoromethane	5.155	101	648057	4.996	ppbv	95
14) Isopropylalcohol	5.220	45	465564	5.054	ppbv#	95
15) Acrylonitrile	5.358	53	163586	5.104	ppbv#	1
16) 1,1-Dichloroethene	5.592	61	350955	5.005	ppbv#	85
17) Methylene Chloride	5.664	49	294920	4.718	ppbv	98
20) Carbon Disulfide	5.884	76	519088	5.672	ppbv	98
21) Trichlorotrifluoroethane	5.837	101	469112	5.176	ppbv	94
22) Trans-1,2-Dichloroethene	6.277	61	179994	4.882	ppbv#	76
23) 1,1-Dichloroethane	6.408	63	230939	4.977	ppbv	95
24) Methyl tert-butyl ethe...	6.449	73	328552	5.004	ppbv#	86
25) Methyl Ethyl Ketone	6.653	43	328012	4.967	ppbv#	93
26) Cis-1,2-Dichloroethene	6.926	61	175873	4.944	ppbv#	77
27) Hexane	7.042	57	204246	4.781	ppbv	98
28) Chloroform	7.112	83	283208	5.030	ppbv	97
29) Ethyl acetate	7.050	61	47923	4.867	ppbv#	79
30) Tetrahydrofuran	7.367	42	171161	4.915	ppbv#	88
31) 1,2-Dichloroethane	7.561	62	173671	4.905	ppbv#	84
32) 1,1,1-Trichloroethane	7.724	97	284118	4.940	ppbv	95
33) Benzene	8.002	78	423267	5.039	ppbv	97
34) Carbon Tetrachloride	8.097	117	307839	4.937	ppbv	94
35) Cyclohexane	8.175	84	165759	4.797	ppbv#	84
37) 1,2-dichloropropane	8.486	63	173078	5.023	ppbv#	87
38) Bromodichloromethane	8.599	83	306227	4.771	ppbv	97
39) Trichloroethene	8.625	130	256704	4.691	ppbv#	83
40) 2,2,4-trimethylpentane	8.625	57	671247	4.788	ppbv	94
41) 1,4-Dioxane	8.625	88	100756	4.790	ppbv#	80
43) Heptane	8.763	43	289353	4.807	ppbv	92
44) cis-1,3-Dichloropropene	9.107	75	244917	4.772	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.121	43	439807	4.826	ppbv#	89
46) trans-1,3-Dichloropropene	9.403	75	191437	5.034	ppbv#	93
47) 1,1,2-Trichloroethane	9.515	97	200828	4.954	ppbv	98
48) Toluene	9.677	91	572105	4.991	ppbv#	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_12.D
 Acq On : 31 Jan 2025 4:29 am
 Operator :
 Client ID : ICAL 5
 Lab ID : 5.0 ppb; T01510B
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 31 10:32:24 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.924	129	387323	4.965	ppbv	97
50) 2-Hexanone(MBK)	9.797	43	412127	5.017	ppbv#	46
51) 1,2-Dibromoethane(EDB)	10.064	107	351519	5.009	ppbv	94
52) Tetrachloroethene	10.318	166	326754	4.861	ppbv	94
54) 1,1,1,2-Tetrachloroethane	10.675	131	276496	5.276	ppbv#	91
55) Chlorobenzene	10.690	112	503942m	5.340	ppbv	86
56) Ethylbenzene	10.887	91	727652	5.403	ppbv	87
57) m, p-Xylene	10.978	91	1087647	10.998	ppbv	100
58) Bromoform	11.054	173	306594	5.087	ppbv	97
59) Styrene	11.183	104	442599	5.334	ppbv#	76
60) 1,1,2,2-Tetrachloroethane	11.243	83	429348	5.007	ppbv	94
61) o-Xylene	11.243	91	565613	5.154	ppbv#	85
64) Isopropylbenzene	11.569	105	821013	5.316	ppbv#	94
65) 4-Ethyltoluene	11.941	105	844676	5.251	ppbv#	92
66) 1,3,5-Trimethylbenzene	11.979	105	672768	5.317	ppbv#	92
67) 1,2,4-Trimethylbenzene	12.230	105	726701	5.063	ppbv#	86
68) Benzyl chloride	12.329	91	466806	5.402	ppbv#	88
69) 1,3-Dichlorobenzene	12.344	146	601038	5.295	ppbv#	87
70) 1,4-Dichlorobenzene	12.382	146	550421	5.011	ppbv	100
71) sec-Butylbenzene	12.389	105	1062795	5.210	ppbv#	89
72) 4-Isopropyltoluene	12.481	119	1081742	5.277	ppbv	100
73) 1,2-Dichlorobenzene	12.602	146	539912	5.132	ppbv#	88
74) n-Butylbenzene	12.746	91	858984	5.276	ppbv#	95
75) 1,2,4-Trichlorobenzene	13.749	180	389443	4.860	ppbv	96
76) Naphthalene	13.840	128	938796	5.007	ppbv#	95
77) Hexachlorobutadiene	14.083	225	323419	4.757	ppbv	97
79] 1,2-Dichlorotetrafluor...	4.027	85	558725	4.814	ppbv#	72
80] Vinyl Chloride(sim)	4.128	62	200677	4.667	ppbv	99
81] Bromomethane(sim)	4.457	94	212922	4.477	ppbv#	93
82] Trichlorofluoromethane...	5.158	101	702053	4.895	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.561	62	173671	4.626	ppbv#	1
84] 1,1,1-Trichloroethane(...	7.727	97	322735	5.092	ppbv#	91
85] Benzene(sim)	8.002	78	423267	4.463	ppbv	97
86] Carbon Tetrachloride(sim)	8.100	117	347591	5.747	ppbv	96
87] 1,1-Dichloroethene(sim)	5.592	61	350955	4.592	ppbv#	85
88] Trichlorotrifluoroetha...	5.839	101	507216	4.933	ppbv#	97
89] Trans-1,2-Dichloroethe...	6.277	61	179994	4.466	ppbv#	76
90] 1,1-Dichloroethane(sim)	6.411	63	250879	4.759	ppbv	99
91] Cis-1,2-Dichloroethene...	6.926	61	175873	4.226	ppbv#	77
92] Chloroform(sim)	7.107	83	312766	5.035	ppbv	98
94] 1,2-dichloropropane(sim)	8.489	63	185875	5.038	ppbv#	85
95] Bromodichloromethane(sim)	8.599	83	306227	5.374	ppbv	98
96] Trichloroethene(sim)	8.628	130	294575	5.049	ppbv#	83
97] 1,4-Dioxane(sim)	8.625	88	100756	5.075	ppbv#	80
98] cis-1,3-Dichloropropen...	9.110	75	272964	5.412	ppbv#	94
99] 1,1,2-Trichloroethane(...	9.515	97	200645	4.824	ppbv	99
100] Dibromochloromethane(sim)	9.927	129	436826	6.118	ppbv	99
101] 1,2-Dibromoethane(EDB)...	10.064	107	352515	4.888	ppbv	94
102] Tetrachloroethene(sim)	10.314	166	382601	4.971	ppbv	95
104] Bromoform(sim)	11.057	173	363923	5.484	ppbv	97
105] m, p-Xylene(sim)	10.978	91	1091192	9.991	ppbv#	86
106] 1,1,2,2-Tetrachloroeth...	11.239	83	479412	4.788	ppbv#	99
107] Benzyl chloride(sim)	12.329	91	466806	5.722	ppbv	88
108] 1,3-Dichlorobenzene(sim)	12.347	146	668210	4.690	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.382	146	550421	4.670	ppbv	86

Quantitation Report (RF) (QT Reviewed)

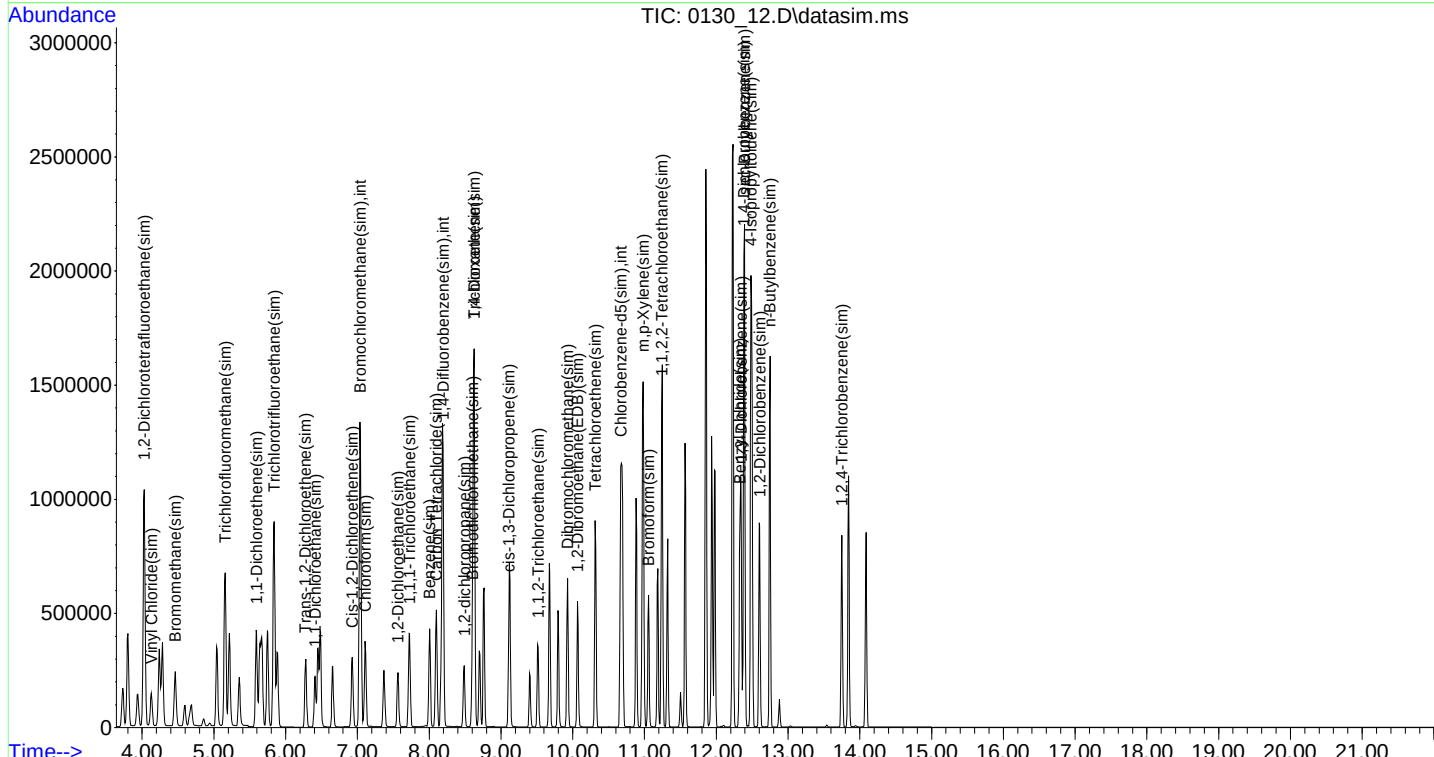
Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_12.D
Acq On : 31 Jan 2025 4:29 am
Operator :
Client ID : ICAL 5
Lab ID : 5.0 ppb; T01510B
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 31 10:32:24 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110] sec-Butylbenzene(sim)	12.392	105	1180840	4.910	ppbv	89
111] 4-Isopropyltoluene(sim)	12.481	119	1082041	4.970	ppbv#	77
112] 1,2-Dichlorobenzene(sim)	12.605	146	631189	4.640	ppbv	91
113] n-Butylbenzene(sim)	12.746	91	858984	4.893	ppbv	95
114] 1,2,4-Trichlorobenzene...	13.752	180	478553	4.122	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

```
Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_12.D
Acq On    : 31 Jan 2025    4:29 am
Operator  :
Client ID : ICAL 5
Lab ID    : 5.0 ppb; T01510B
ALS Vial  : 8    Sample Multiplier: 1
```



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_13.D
 Acq On : 31 Jan 2025 5:03 am
 Operator :
 Client ID : ICAL 25
 Lab ID : 25 ppb; T01510B
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 31 10:30:21 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	342550	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1083548	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	642922	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	390093	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1083548	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	644547	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	610681	8.224	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	82.20%

Target Compounds						Qvalue
2) Propylene	3.735	41	644730	23.336	ppbv	91
3) Dichlorodifluoromethane	3.800	85	2046730	24.586	ppbv	97
4) Chloromethane	3.938	50	909952	23.105	ppbv	93
5) 1,2-Dichlorotetrafluor...	4.027	85	2668209	24.189	ppbv#	73
6) Vinyl Chloride	4.125	62	878707	23.072	ppbv	93
7) 1,3-Butadiene	4.238	54	715727	22.922	ppbv	94
8) Bromomethane	4.465	94	1007545	23.354	ppbv#	90
9) Chloroethane	4.595	64	400276	23.112	ppbv	89
11) Ethanol	4.684	45	428545	22.367	ppbv#	37
12) Acetone	5.033	43	1995478	22.615	ppbv#	83
13) Trichlorofluoromethane	5.155	101	3118085	24.081	ppbv	94
14) Isopropylalcohol	5.203	45	2148910	23.371	ppbv#	95
15) Acrylonitrile	5.349	53	763414	23.861	ppbv#	1
16) 1,1-Dichloroethene	5.592	61	1677406	23.966	ppbv#	86
17) Methylene Chloride	5.670	49	1366749	21.906	ppbv	97
20) Carbon Disulfide	5.884	76	2262270	24.765	ppbv	97
21) Trichlorotrifluoroethane	5.836	101	2263353	25.020	ppbv	95
22) Trans-1,2-Dichloroethene	6.277	61	903682	24.553	ppbv#	79
23) 1,1-Dichloroethane	6.408	63	1132947	24.459	ppbv	96
24) Methyl tert-butyl ethe...	6.439	73	1648154	25.148	ppbv#	88
25) Methyl Ethyl Ketone	6.648	43	1642985	24.924	ppbv#	93
26) Cis-1,2-Dichloroethene	6.926	61	887329	24.990	ppbv#	78
27) Hexane	7.042	57	1064580	24.966	ppbv	95
28) Chloroform	7.112	83	1422874	25.315	ppbv	95
29) Ethyl acetate	7.042	61	232702	23.674	ppbv#	83
30) Tetrahydrofuran	7.360	42	858923	24.711	ppbv#	87
31) 1,2-Dichloroethane	7.561	62	883574	25.000	ppbv#	82
32) 1,1,1-Trichloroethane	7.724	97	1516306	26.413	ppbv	95
33) Benzene	8.010	78	2106840	25.128	ppbv	98
34) Carbon Tetrachloride	8.097	117	1712080	27.510	ppbv	95
35) Cyclohexane	8.175	84	788538	22.863	ppbv	86
37) 1,2-dichloropropane	8.486	63	853836	25.779	ppbv#	87
38) Bromodichloromethane	8.607	83	1830633	29.674	ppbv	97
39) Trichloroethene	8.625	130	1432839	27.237	ppbv#	81
40) 2,2,4-trimethylpentane	8.625	57	3689844	27.379	ppbv	95
41) 1,4-Dioxane	8.616	88	554076	27.404	ppbv#	83
43) Heptane	8.763	43	1491179	25.774	ppbv#	90
44) cis-1,3-Dichloropropene	9.114	75	1383930	28.051	ppbv	94
45) 4-Methyl-2-pentanone(M...	9.114	43	2378428	27.154	ppbv#	88
46) trans-1,3-Dichloropropene	9.403	75	1046819	28.640	ppbv#	93
47) 1,1,2-Trichloroethane	9.515	97	992238	25.465	ppbv	99
48) Toluene	9.677	91	2896943	26.292	ppbv#	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_13.D
 Acq On : 31 Jan 2025 5:03 am
 Operator :
 Client ID : ICAL 25
 Lab ID : 25 ppb; T01510B
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 31 10:30:21 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.924	129	2280043	30.404	ppbv	98
50) 2-Hexanone(MBK)	9.790	43	2153735	27.274	ppbv#	47
51) 1,2-Dibromoethane(EDB)	10.071	107	1813379	26.880	ppbv	95
52) Tetrachloroethene	10.318	166	1799388	27.847	ppbv	89
54) 1,1,1,2-Tetrachloroethane	10.682	131	1645932	24.780	ppbv#	93
55) Chlorobenzene	10.690	112	2588116	21.639	ppbv#	76
56) Ethylbenzene	10.887	91	3763823	22.049	ppbv	85
57) m, p-Xylene	10.978	91	6006508	47.919	ppbv	100
58) Bromoform	11.054	173	1960521	25.665	ppbv	95
59) Styrene	11.183	104	2294914	21.821	ppbv#	74
60) 1,1,2,2-Tetrachloroethane	11.243	83	2479305	22.812	ppbv	94
61) o-Xylene	11.243	91	3279482	23.576	ppbv#	87
64) Isopropylbenzene	11.569	105	4379363	22.375	ppbv#	94
65) 4-Ethyltoluene	11.941	105	4629378	22.706	ppbv#	90
66) 1,3,5-Trimethylbenzene	11.979	105	3489396	21.758	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.230	105	4806726	26.424	ppbv#	88
68) Benzyl chloride	12.329	91	2949341	26.927	ppbv#	89
69) 1,3-Dichlorobenzene	12.344	146	3103596	21.572	ppbv#	89
70) 1,4-Dichlorobenzene	12.389	146	3352144	24.078	ppbv	100
71) sec-Butylbenzene	12.397	105	6370392	24.638	ppbv#	91
72) 4-Isopropyltoluene	12.488	119	6267942	24.124	ppbv	100
73) 1,2-Dichlorobenzene	12.602	146	2870253	21.525	ppbv#	88
74) n-Butylbenzene	12.746	91	4707413	22.813	ppbv#	94
75) 1,2,4-Trichlorobenzene	13.749	180	2218816	21.847	ppbv	98
76) Naphthalene	13.840	128	5000203	21.042	ppbv#	95
77) Hexachlorobutadiene	14.083	225	1958849	22.733	ppbv	97
79] 1,2-Dichlorotetrafluor...	4.027	85	2663533	23.009	ppbv#	73
80] Vinyl Chloride(sim)	4.127	62	936982	21.849	ppbv	100
81] Bromomethane(sim)	4.465	94	1007545	21.241	ppbv#	90
82] Trichlorofluoromethane...	5.158	101	3354377	23.453	ppbv#	95
83] 1,2-Dichloroethane(sim)	7.561	62	883574	23.597	ppbv#	1
84] 1,1,1-Trichloroethane(...	7.727	97	1693215	26.789	ppbv#	91
85] Benzene(sim)	8.010	78	2106840	22.274	ppbv	98
86] Carbon Tetrachloride(sim)	8.100	117	1921954	31.864	ppbv	95
87] 1,1-Dichloroethene(sim)	5.592	61	1677406	22.008	ppbv#	86
88] Trichlorotrifluoroetha...	5.839	101	2400514	23.409	ppbv#	97
89] Trans-1,2-Dichloroethe...	6.277	61	903682	22.483	ppbv#	79
90] 1,1-Dichloroethane(sim)	6.411	63	1239382	23.573	ppbv	99
91] Cis-1,2-Dichloroethene...	6.926	61	887329	21.377	ppbv#	78
92] Chloroform(sim)	7.107	83	1553867	25.082	ppbv	98
94] 1,2-dichloropropane(sim)	8.489	63	942969	26.592	ppbv#	87
95] Bromodichloromethane(sim)	8.607	83	1830633	33.422	ppbv	98
96] Trichloroethene(sim)	8.627	130	1602342	28.573	ppbv#	85
97] 1,4-Dioxane(sim)	8.616	88	554076	29.036	ppbv#	83
98] cis-1,3-Dichloropropen...	9.110	75	1535165	31.667	ppbv#	95
99] 1,1,2-Trichloroethane(...	9.515	97	991905	24.811	ppbv	99
100] Dibromochloromethane(sim)	9.927	129	2546794	37.110	ppbv	100
101] 1,2-Dibromoethane(EDB)...	10.071	107	1813611	26.163	ppbv	94
102] Tetrachloroethene(sim)	10.314	166	1917033	25.910	ppbv	95
104] Bromoform(sim)	11.057	173	2293341	27.319	ppbv	97
105] m, p-Xylene(sim)	10.978	91	6013605	43.523	ppbv#	88
106] 1,1,2,2-Tetrachloroeth...	11.246	83	2618150	20.669	ppbv#	99
107] Benzyl chloride(sim)	12.329	91	2949341	28.576	ppbv	89
108] 1,3-Dichlorobenzene(sim)	12.347	146	3700242	20.528	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.389	146	3351977	22.481	ppbv	89

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_13.D
Acq On : 31 Jan 2025 5:03 am
Operator :
Client ID : ICAL 25
Lab ID : 25 ppb; T01510B
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 31 10:30:21 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110] sec-Butylbenzene(sim)	12.392	105	6922073	22.752	ppbv	90
111] 4-Isopropyltoluene(sim)	12.488	119	6267942	22.760	ppbv#	80
112] 1,2-Dichlorobenzene(sim)	12.605	146	3299603	19.175	ppbv	92
113] n-Butylbenzene(sim)	12.746	91	4707413	21.196	ppbv	94
114] 1,2,4-Trichlorobenzene...	13.752	180	2624633	17.872	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_14.D
 Acq On : 31 Jan 2025 5:39 am
 Operator :
 Client ID : ICAL 40
 Lab ID : 40ppb; T01510B
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 31 10:30:31 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	379652	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1139329	10.000	ng	0.00
53) Chlorobenzene-d5	10.675	82	835152	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	424049	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1139320	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.675	82	835301	10.000	ng	# 0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	634875	6.582	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	65.80%#

Target Compounds					Qvalue	
2) Propylene	3.735	41	1058583	34.571	ppbv	91
3) Dichlorodifluoromethane	3.800	85	3486715	37.791	ppbv	96
4) Chloromethane	3.938	50	1469116	33.657	ppbv	95
5) 1,2-Dichlorotetrafluor...	4.027	85	4528675	37.043	ppbv#	73
6) Vinyl Chloride	4.133	62	1465622	34.721	ppbv	92
7) 1,3-Butadiene	4.246	54	1192797	34.468	ppbv	94
8) Bromomethane	4.465	94	1699143	35.535	ppbv#	91
9) Chloroethane	4.595	64	670098	34.910	ppbv	89
11) Ethanol	4.684	45	709930	33.432	ppbv#	41
12) Acetone	5.033	43	3288025	33.622	ppbv#	83
13) Trichlorofluoromethane	5.155	101	5217200	36.356	ppbv	94
14) Isopropylalcohol	5.204	45	3508232	34.426	ppbv#	95
15) Acrylonitrile	5.358	53	1212965	34.208	ppbv#	1
16) 1,1-Dichloroethene	5.592	61	2764735	35.641	ppbv#	85
17) Methylene Chloride	5.670	49	2234317	32.311	ppbv	96
20) Carbon Disulfide	5.884	76	3002597	29.657	ppbv	96
21) Trichlorotrifluoroethane	5.837	101	3739988	37.303	ppbv	95
22) Trans-1,2-Dichloroethene	6.277	61	1531872	37.554	ppbv#	80
23) 1,1-Dichloroethane	6.408	63	1907415	37.155	ppbv	95
24) Methyl tert-butyl ethe...	6.439	73	2779408	38.264	ppbv#	88
25) Methyl Ethyl Ketone	6.648	43	2935394	40.177	ppbv#	94
26) Cis-1,2-Dichloroethene	6.926	61	1493008	37.939	ppbv#	79
27) Hexane	7.042	57	1832763	38.781	ppbv	95
28) Chloroform	7.112	83	2380588	38.214	ppbv	95
29) Ethyl acetate	7.042	61	414655	38.063	ppbv#	84
30) Tetrahydrofuran	7.360	42	1395668	36.228	ppbv#	87
31) 1,2-Dichloroethane	7.569	62	1490990	38.063	ppbv#	83
32) 1,1,1-Trichloroethane	7.724	97	2581884	40.579	ppbv	95
33) Benzene	8.010	78	3493434	37.594	ppbv	98
34) Carbon Tetrachloride	8.097	117	3056355	44.310	ppbv	97
35) Cyclohexane	8.175	84	1304317	34.122	ppbv#	85
37) 1,2-dichloropropane	8.495	63	1452628	41.710	ppbv#	87
38) Bromodichloromethane	8.607	83	3435896	52.968	ppbv	97
39) Trichloroethene	8.625	130	2684924	48.539	ppbv#	82
40) 2,2,4-trimethylpentane	8.633	57	6767402	47.756	ppbv	96
41) 1,4-Dioxane	8.616	88	1015102	47.747	ppbv	84
43) Heptane	8.763	43	2530116	41.590	ppbv#	90
44) cis-1,3-Dichloropropene	9.114	75	2509435	48.374	ppbv	94
45) 4-Methyl-2-pentanone(M...	9.114	43	4190046	45.494	ppbv#	88
46) trans-1,3-Dichloropropene	9.403	75	1825713	47.504	ppbv#	94
47) 1,1,2-Trichloroethane	9.515	97	1680363	41.014	ppbv	98
48) Toluene	9.677	91	4820110	41.604	ppbv#	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_14.D
 Acq On : 31 Jan 2025 5:39 am
 Operator :
 Client ID : ICAL 40
 Lab ID : 40ppb; T01510B
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 31 10:30:31 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jan 27 15:16:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.931	129	4053222	51.402	ppbv	98
50) 2-Hexanone(MBK)	9.790	43	3672951	44.236	ppbv#	48
51) 1,2-Dibromoethane(EDB)	10.071	107	3077838	43.389	ppbv	96
52) Tetrachloroethene	10.318	166	2882291	42.423	ppbv	90
54) 1,1,1,2-Tetrachloroethane	10.682	131	3153383	36.548	ppbv#	92
55) Chlorobenzene	10.690	112	4673690	30.082	ppbv#	78
56) Ethylbenzene	10.887	91	6428954	28.993	ppbv	85
57) m, p-Xylene	10.986	91	11106792	68.213	ppbv	100
58) Bromoform	11.061	173	3743145	37.722	ppbv	96
59) Styrene	11.183	104	3924021	28.723	ppbv#	72
60) 1,1,2,2-Tetrachloroethane	11.243	83	4764748	33.750	ppbv	94
61) o-Xylene	11.251	91	6340428	35.089	ppbv#	86
64) Isopropylbenzene	11.569	105	7661422	30.134	ppbv#	94
65) 4-Ethyltoluene	11.941	105	7960561	30.058	ppbv#	94
66) 1,3,5-Trimethylbenzene	11.979	105	6420831	30.821	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.238	105	9057282	38.330	ppbv#	87
68) Benzyl chloride	12.329	91	5596178	39.333	ppbv#	89
69) 1,3-Dichlorobenzene	12.344	146	5679194	30.388	ppbv#	89
70) 1,4-Dichlorobenzene	12.389	146	6592078	36.451	ppbv	100
71) sec-Butylbenzene	12.389	105	11233001	33.445	ppbv#	90
72) 4-Isopropyltoluene	12.488	119	11217436	33.237	ppbv	100
73) 1,2-Dichlorobenzene	12.602	146	5030697	29.043	ppbv#	89
74) n-Butylbenzene	12.746	91	8503069	31.722	ppbv#	96
75) 1,2,4-Trichlorobenzene	13.749	180	3972969	30.115	ppbv	98
76) Naphthalene	13.848	128	8337402	27.009	ppbv#	95
77) Hexachlorobutadiene	14.091	225	3897115	34.817	ppbv	97
79] 1,2-Dichlorotetrafluor...	4.027	85	4520909	35.927	ppbv#	73
80] Vinyl Chloride(sim)	4.128	62	1554409	33.344	ppbv	100
81] Bromomethane(sim)	4.465	94	1699143	32.952	ppbv#	92
82] Trichlorofluoromethane...	5.158	101	5587154	35.936	ppbv#	95
83] 1,2-Dichloroethane(sim)	7.569	62	1490990	36.631	ppbv#	2
84] 1,1,1-Trichloroethane(...	7.727	97	2901442	42.229	ppbv#	92
85] Benzene(sim)	8.010	78	3493964	33.982	ppbv	98
86] Carbon Tetrachloride(sim)	8.100	117	3336839	50.891	ppbv	95
87] 1,1-Dichloroethene(sim)	5.592	61	2764735	33.370	ppbv#	85
88] Trichlorotrifluoroetha...	5.839	101	3939893	35.344	ppbv#	97
89] Trans-1,2-Dichloroethe...	6.277	61	1531872	35.060	ppbv#	80
90] 1,1-Dichloroethane(sim)	6.411	63	2067073	36.167	ppbv	99
91] Cis-1,2-Dichloroethene...	6.926	61	1493008	33.089	ppbv#	79
92] Chloroform(sim)	7.115	83	2594049	38.520	ppbv	99
94] 1,2-dichloropropane(sim)	8.489	63	1568444	42.065	ppbv#	88
95] Bromodichloromethane(sim)	8.607	83	3434543	59.636	ppbv	98
96] Trichloroethene(sim)	8.628	130	2967129	50.320	ppbv#	85
97] 1,4-Dioxane(sim)	8.616	88	1015102	50.591	ppbv	84
98] cis-1,3-Dichloropropen...	9.110	75	2766135	54.266	ppbv#	95
99] 1,1,2-Trichloroethane(...	9.515	97	1679875	39.962	ppbv	98
100] Dibromochloromethane(sim)	9.927	129	4532032	62.805	ppbv	100
101] 1,2-Dibromoethane(EDB)...	10.071	107	3077838	42.228	ppbv	95
102] Tetrachloroethene(sim)	10.321	166	3380564	43.453	ppbv	94
104] Bromoform(sim)	11.057	173	4287471	39.411	ppbv	97
105] m, p-Xylene(sim)	10.986	91	11112397	62.059	ppbv#	88
106] 1,1,2,2-Tetrachloroeth...	11.246	83	4910658	29.914	ppbv#	98
107] Benzyl chloride(sim)	12.329	91	5595595	41.834	ppbv	89
108] 1,3-Dichlorobenzene(sim)	12.347	146	6537740	27.987	ppbv#	93
109] 1,4-Dichlorobenzene(sim)	12.389	146	6591670	34.113	ppbv	90

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_14.D
Acq On : 31 Jan 2025 5:39 am
Operator :
Client ID : ICAL 40
Lab ID : 40ppb; T01510B
ALS Vial : 10 Sample Multiplier: 1

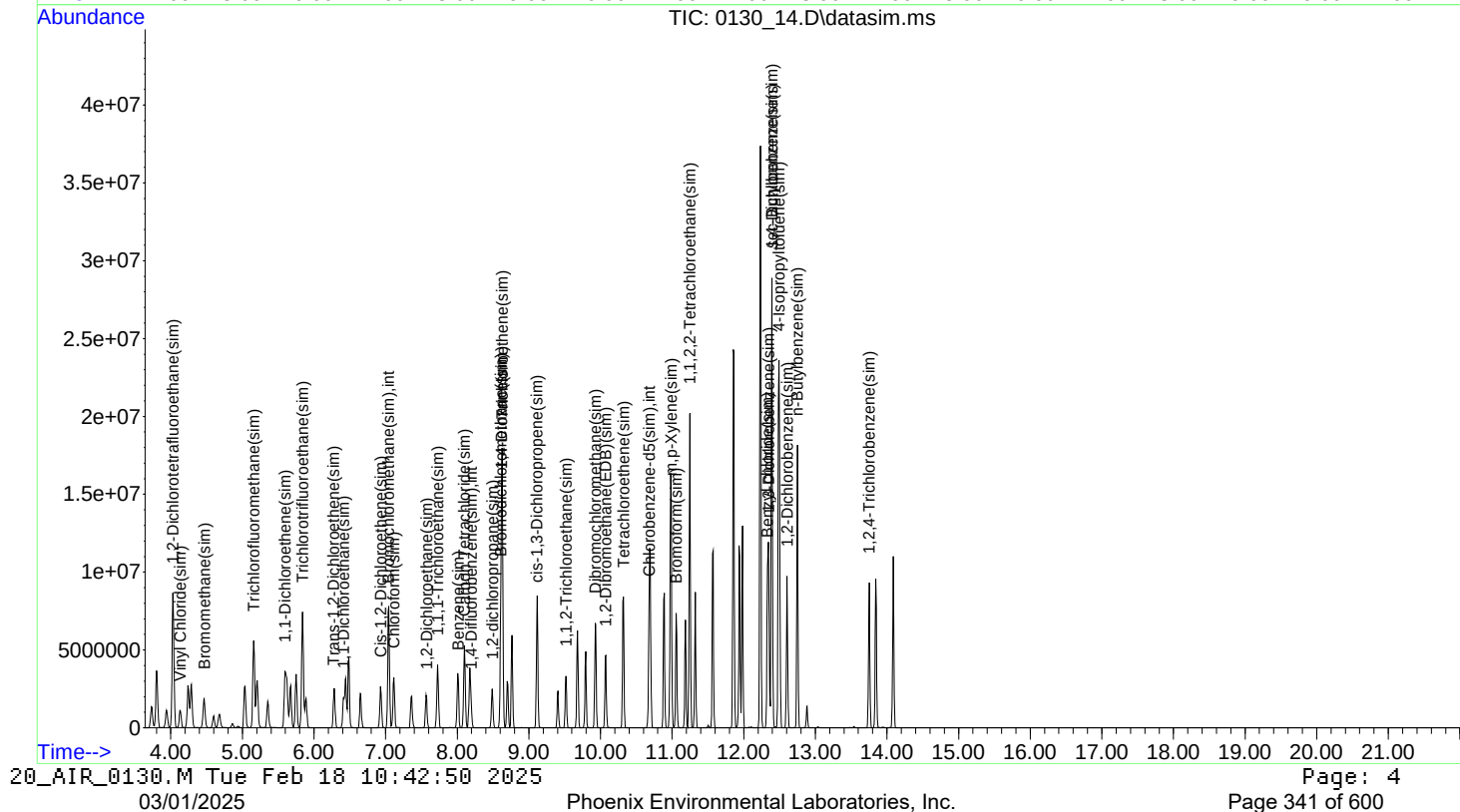
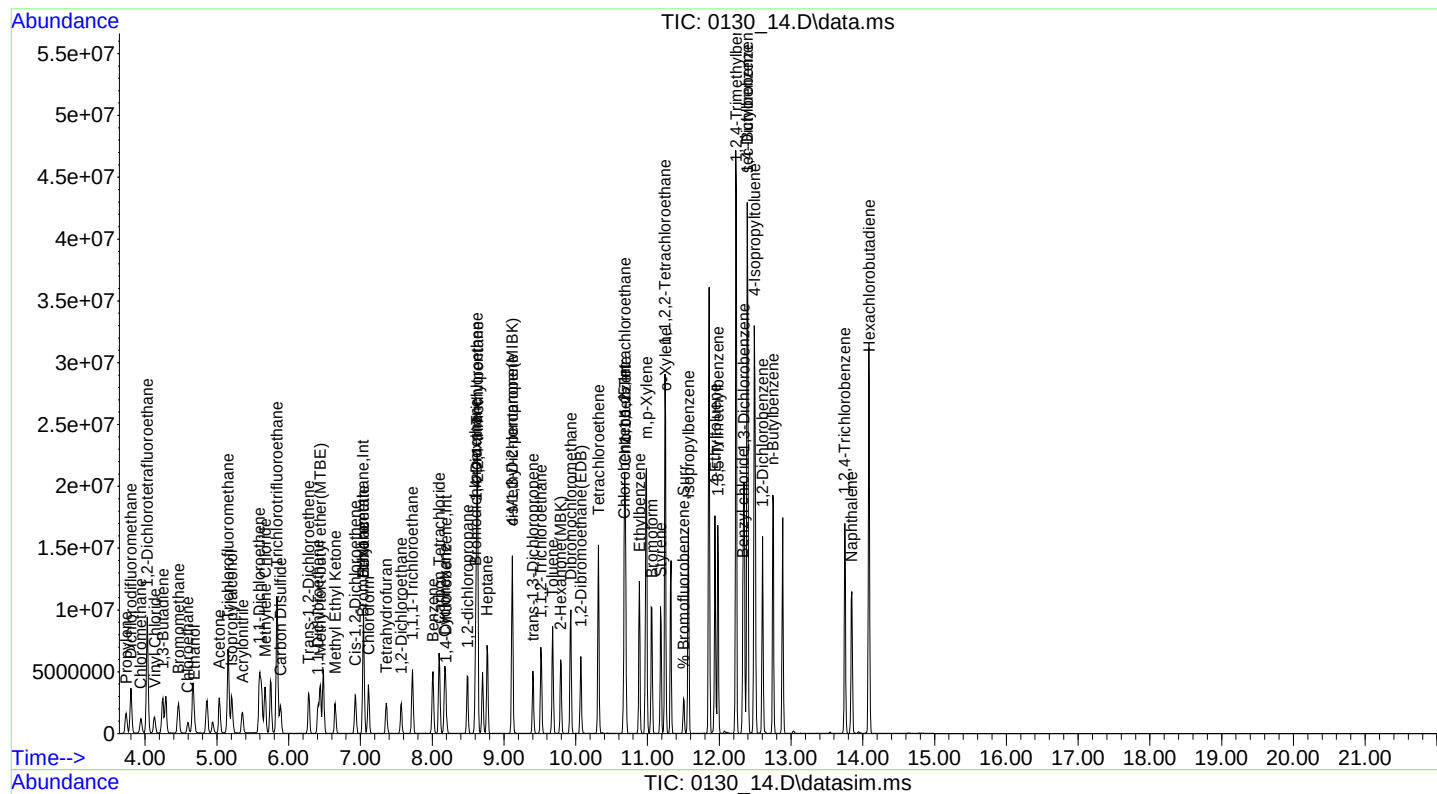
Quant Time: Jan 31 10:30:31 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.392	105	11528632	29.240	ppbv	88
111]	4-Isopropyltoluene(sim)	12.488	119	11219350	31.436	ppbv#	81
112]	1,2-Dichlorobenzene(sim)	12.605	146	5702318	25.570	ppbv	93
113]	n-Butylbenzene(sim)	12.746	91	8503069	29.544	ppbv	96
114]	1,2,4-Trichlorobenzene...	13.752	180	4599558	24.167	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_14.D
Acq On : 31 Jan 2025 5:39 am
Operator :
Client ID : ICAL 40
Lab ID : 40ppb; T01510B
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 31 10:30:31 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jan 27 15:16:21 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_15.D
 Acq On : 31 Jan 2025 6:10 am
 Operator :
 Client ID : ICAL 1
 Lab ID : 1ppb tune/cc; T01510C
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 31 11:00:24 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	375037	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1247819	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	543226	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	432407	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1248126	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	543372	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	691517	11.171	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 111.70%		

Target Compounds					Qvalue	
2) Propylene	3.735	41	30221	0.999	ppbv	92
3) Dichlorodifluoromethane	3.800	85	98847	1.085	ppbv	94
4) Chloromethane	3.938	50	47134	1.093	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.027	85	134878	1.117	ppbv#	72
6) Vinyl Chloride	4.125	62	45286	1.086	ppbv	96
7) 1,3-Butadiene	4.238	54	35494	1.038	ppbv#	85
8) Bromomethane	4.457	94	51264	1.085	ppbv	91
9) Chloroethane	4.587	64	21184	1.117	ppbv#	76
11) Ethanol	4.701	45	22981	1.096	ppbv#	30
12) Acetone	5.049	43	107079	1.108	ppbv#	80
13) Trichlorofluoromethane	5.155	101	153433	1.082	ppbv	92
14) Isopropylalcohol	5.236	45	113262	1.125	ppbv#	90
15) Acrylonitrile	5.358	53	39596	1.130	ppbv#	1
16) 1,1-Dichloroethene	5.592	61	84778	1.106	ppbv#	83
17) Methylene Chloride	5.670	49	71606	1.048	ppbv	98
20) Carbon Disulfide	5.884	76	123573	1.236	ppbv	99
21) Trichlorotrifluoroethane	5.837	101	113193	1.143	ppbv	96
22) Trans-1,2-Dichloroethene	6.277	61	43801m	1.087	ppbv	91
23) 1,1-Dichloroethane	6.408	63	52186	1.029	ppbv	98
24) Methyl tert-butyl ethe...	6.460	73	76610	1.068	ppbv#	86
25) Methyl Ethyl Ketone	6.663	43	77609	1.075	ppbv#	93
26) Cis-1,2-Dichloroethene	6.926	61	41686	1.072	ppbv#	75
27) Hexane	7.042	57	48564	1.040	ppbv#	96
28) Chloroform	7.104	83	64206	1.043	ppbv	93
29) Ethyl acetate	7.050	61	11046	1.026	ppbv#	83
30) Tetrahydrofuran	7.383	42	37824	0.994	ppbv	93
31) 1,2-Dichloroethane	7.561	62	39286	1.015	ppbv#	81
32) 1,1,1-Trichloroethane	7.724	97	66500	1.058	ppbv	96
33) Benzene	8.002	78	97261	1.060	ppbv	97
34) Carbon Tetrachloride	8.097	117	70444	1.034	ppbv	96
35) Cyclohexane	8.175	84	38500	1.020	ppbv	90
37) 1,2-dichloropropane	8.486	63	37903	0.994	ppbv#	89
38) Bromodichloromethane	8.599	83	64750	0.911	ppbv	97
39) Trichloroethene	8.625	130	58012	0.958	ppbv#	82
40) 2,2,4-trimethylpentane	8.625	57	147661	0.951	ppbv	94
41) 1,4-Dioxane	8.625	88	22579	0.970	ppbv	88
43) Heptane	8.763	43	64244	0.964	ppbv	94
44) cis-1,3-Dichloropropene	9.114	75	54188	0.954	ppbv	94
45) 4-Methyl-2-pentanone(M...	9.128	43	100454	0.996	ppbv#	89
46) trans-1,3-Dichloropropene	9.403	75	38938	0.925	ppbv#	88
47) 1,1,2-Trichloroethane	9.515	97	44152	0.984	ppbv	97
48) Toluene	9.677	91	130330	1.027	ppbv#	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_15.D
 Acq On : 31 Jan 2025 6:10 am
 Operator :
 Client ID : ICAL 1
 Lab ID : 1ppb tune/cc; T01510C
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 31 11:00:24 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.924	129	79337	0.919	ppbv	98
50) 2-Hexanone(MBK)	9.804	43	92240	1.014	ppbv#	44
51) 1,2-Dibromoethane(EDB)	10.071	107	76604	0.986	ppbv	96
52) Tetrachloroethene	10.311	166	72747	0.978	ppbv	94
54) 1,1,1,2-Tetrachloroethane	10.675	131	60403	1.076	ppbv	95
55) Chlorobenzene	10.697	112	111520	1.104	ppbv#	81
56) Ethylbenzene	10.887	91	159129	1.103	ppbv	86
57) m, p-Xylene	10.978	91	235747	2.226	ppbv	100
58) Bromoform	11.054	173	66362	1.028	ppbv	93
59) Styrene	11.183	104	94741	1.066	ppbv#	72
60) 1,1,2,2-Tetrachloroethane	11.243	83	97164	1.058	ppbv	94
61) o-Xylene	11.243	91	124412	1.059	ppbv#	86
64) Isopropylbenzene	11.569	105	181876	1.100	ppbv#	94
65) 4-Ethyltoluene	11.941	105	184460	1.071	ppbv#	94
66) 1,3,5-Trimethylbenzene	11.979	105	149124	1.100	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.230	105	162047	1.054	ppbv#	84
68) Benzyl chloride	12.329	91	94512	1.021	ppbv#	87
69) 1,3-Dichlorobenzene	12.344	146	138976	1.143	ppbv#	88
70) 1,4-Dichlorobenzene	12.382	146	131565	1.118	ppbv	100
71) sec-Butylbenzene	12.397	105	227227	1.040	ppbv#	90
72) 4-Isopropyltoluene	12.481	119	235235	1.072	ppbv	100
73) 1,2-Dichlorobenzene	12.602	146	125562	1.114	ppbv#	90
74) n-Butylbenzene	12.746	91	192445	1.104	ppbv	94
75) 1,2,4-Trichlorobenzene	13.749	180	116857	1.362	ppbv	98
76) Naphthalene	13.840	128	283029	1.410	ppbv#	95
77) Hexachlorobutadiene	14.083	225	81522	1.120	ppbv	95
79] 1,2-Dichlorotetrafluor...	4.027	85	134878	1.051	ppbv#	72
80] Vinyl Chloride(sim)	4.128	62	47873	1.007	ppbv	100
81] Bromomethane(sim)	4.457	94	51264	0.975	ppbv	92
82] Trichlorofluoromethane...	5.158	101	166338	1.049	ppbv#	97
83] 1,2-Dichloroethane(sim)	7.561	62	39286	0.947	ppbv#	1
84] 1,1,1-Trichloroethane(...	7.719	97	72497	1.035	ppbv#	92
85] Benzene(sim)	8.002	78	97261	0.928	ppbv	97
86] Carbon Tetrachloride(sim)	8.100	117	75204	1.125	ppbv	96
87] 1,1-Dichloroethene(sim)	5.592	61	84778	1.003	ppbv#	84
88] Trichlorotrifluoroetha...	5.833	101	118618	1.044	ppbv#	96
89] Trans-1,2-Dichloroethe...	6.157	61	163	0.004	ppbv	91
90] 1,1-Dichloroethane(sim)	6.405	63	57201	0.981	ppbv	99
91] Cis-1,2-Dichloroethene...	6.926	61	41686	0.906	ppbv#	75
92] Chloroform(sim)	7.107	83	70209	1.022	ppbv	99
94] 1,2-dichloropropane(sim)	8.489	63	41395	1.013	ppbv#	85
95] Bromodichloromethane(sim)	8.599	83	64750	1.026	ppbv	98
96] Trichloroethene(sim)	8.628	130	66504	1.030	ppbv#	83
97] 1,4-Dioxane(sim)	8.625	88	22579	1.027	ppbv	85
98] cis-1,3-Dichloropropen...	9.110	75	59313	1.062	ppbv#	94
99] 1,1,2-Trichloroethane(...	9.515	97	44314	0.962	ppbv	97
100] Dibromochloromethane(sim)	9.927	129	88971	1.125	ppbv	99
101] 1,2-Dibromoethane(EDB)...	10.071	107	76604	0.959	ppbv	96
102] Tetrachloroethene(sim)	10.314	166	85818	1.007	ppbv	95
104] Bromoform(sim)	11.057	173	80905	1.143	ppbv	97
105] m, p-Xylene(sim)	10.978	91	235747	2.024	ppbv#	84
106] 1,1,2,2-Tetrachloroeth...	11.239	83	108078	1.012	ppbv#	99
107] Benzyl chloride(sim)	12.329	91	94512	1.086	ppbv	87
108] 1,3-Dichlorobenzene(sim)	12.347	146	158712	1.044	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.382	146	131565	1.047	ppbv#	86

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_15.D
Acq On : 31 Jan 2025 6:10 am
Operator :
Client ID : ICAL 1
Lab ID : 1ppb tune/cc; T01510C
ALS Vial : 11 Sample Multiplier: 1

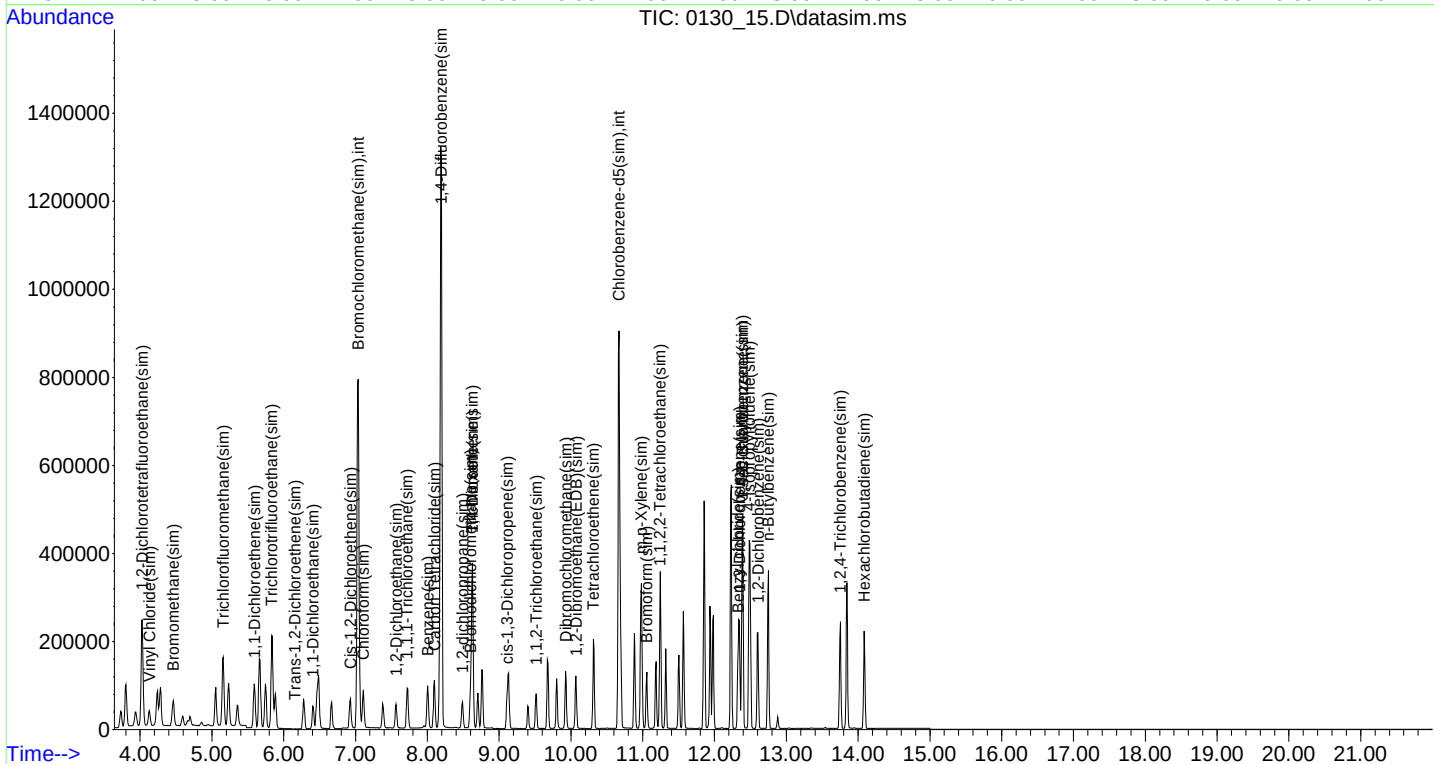
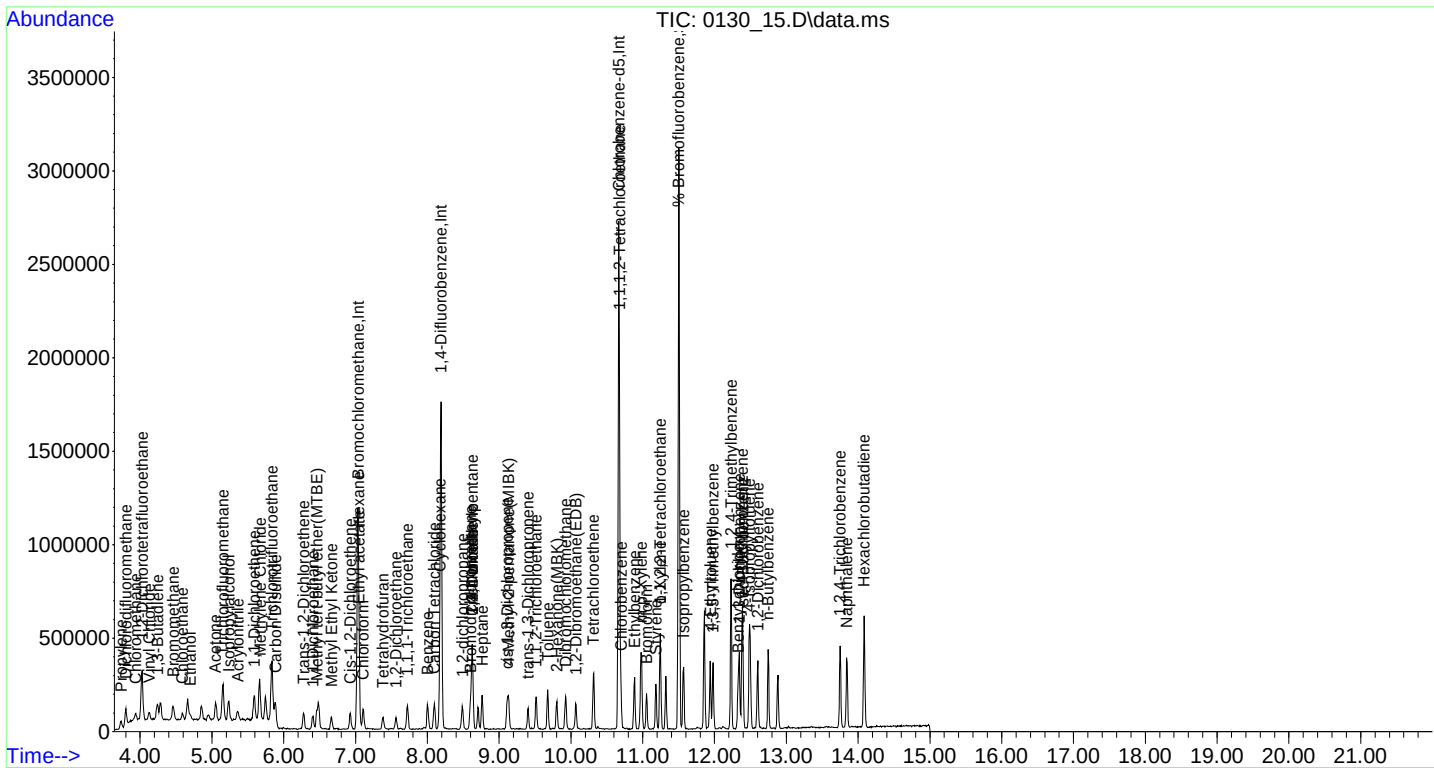
Quant Time: Jan 31 11:00:24 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.392	105	260667	1.016	ppbv	89
111]	4-Isopropyltoluene(sim)	12.481	119	235423	1.014	ppbv#	78
112]	1,2-Dichlorobenzene(sim)	12.605	146	155768	1.074	ppbv	91
113]	n-Butylbenzene(sim)	12.746	91	192445	1.028	ppbv	94
114]	1,2,4-Trichlorobenzene...	13.752	180	138257	1.117	ppbv	98
116]	Hexachlorobutadiene(sim)	14.086	225	109221	1.022	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

```
Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_15.D
Acq On : 31 Jan 2025 6:10 am
Operator :
Client ID : ICAL 1
Lab ID : 1ppb tune/cc; T01510C
ALS Vial : 11 Sample Multiplier: 1
```

Quant Time: Jan 31 11:00:24 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_16.D
 Acq On : 31 Jan 2025 6:42 am
 Operator :
 Client ID : ICAL 10
 Lab ID : 10ppb; T01510B
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 31 11:00:44 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	358480	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1182064	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	559286	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	407055	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1182064	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	559286	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.501	95	645620	10.130	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 101.30%	

Target Compounds

						Qvalue
2) Propylene	3.735	41	265325	9.177	ppbv	90
3) Dichlorodifluoromethane	3.800	85	823634	9.454	ppbv	98
4) Chloromethane	3.938	50	383397	9.302	ppbv	95
5) 1,2-Dichlorotetrafluor...	4.027	85	1107677	9.596	ppbv#	73
6) Vinyl Chloride	4.125	62	367923	9.231	ppbv	92
7) 1,3-Butadiene	4.238	54	298924	9.148	ppbv	93
8) Bromomethane	4.457	94	427529	9.469	ppbv#	92
9) Chloroethane	4.595	64	163722	9.033	ppbv	87
11) Ethanol	4.684	45	186239	9.288	ppbv#	38
12) Acetone	5.033	43	830632	8.995	ppbv#	83
13) Trichlorofluoromethane	5.155	101	1291435	9.531	ppbv	94
14) Isopropylalcohol	5.212	45	909220	9.449	ppbv#	95
15) Acrylonitrile	5.349	53	309509	9.244	ppbv#	1
16) 1,1-Dichloroethene	5.592	61	687146	9.381	ppbv#	83
17) Methylene Chloride	5.670	49	576046	8.822	ppbv	97
20) Carbon Disulfide	5.884	76	741034	7.752	ppbv	98
21) Trichlorotrifluoroethane	5.836	101	887614	9.376	ppbv	94
22) Trans-1,2-Dichloroethene	6.277	61	363016	9.425	ppbv#	78
23) 1,1-Dichloroethane	6.408	63	462742	9.546	ppbv	95
24) Methyl tert-butyl ethe...	6.444	73	659160	9.611	ppbv#	87
25) Methyl Ethyl Ketone	6.648	43	644091	9.336	ppbv#	93
26) Cis-1,2-Dichloroethene	6.926	61	356248	9.587	ppbv#	78
27) Hexane	7.042	57	414335	9.285	ppbv	98
28) Chloroform	7.112	83	565052	9.606	ppbv	94
29) Ethyl acetate	7.042	61	96677	9.399	ppbv#	78
30) Tetrahydrofuran	7.367	42	342116	9.405	ppbv	89
31) 1,2-Dichloroethane	7.561	62	351871	9.513	ppbv#	82
32) 1,1,1-Trichloroethane	7.724	97	587409	9.778	ppbv	96
33) Benzene	8.010	78	836188	9.530	ppbv	97
34) Carbon Tetrachloride	8.097	117	660014	10.134	ppbv	96
35) Cyclohexane	8.175	84	321734	8.914	ppbv#	86
37) 1,2-dichloropropane	8.486	63	345718	9.568	ppbv#	85
38) Bromodichloromethane	8.599	83	651476	9.680	ppbv	97
39) Trichloroethene	8.625	130	512078	8.923	ppbv#	81
40) 2,2,4-trimethylpentane	8.625	57	1371435	9.328	ppbv	95
41) 1,4-Dioxane	8.616	88	197027	8.932	ppbv	85
43) Heptane	8.763	43	581809	9.218	ppbv	91
44) cis-1,3-Dichloropropene	9.114	75	513952	9.549	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.121	43	892378	9.339	ppbv#	89
46) trans-1,3-Dichloropropene	9.403	75	403888	10.129	ppbv#	94
47) 1,1,2-Trichloroethane	9.515	97	394941	9.291	ppbv	98
48) Toluene	9.677	91	1144160	9.519	ppbv#	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_16.D
 Acq On : 31 Jan 2025 6:42 am
 Operator :
 Client ID : ICAL 10
 Lab ID : 10ppb; T01510B
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 31 11:00:44 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.924	129	824009	10.072	ppbv	97
50) 2-Hexanone(MBK)	9.797	43	850303	9.871	ppbv#	47
51) 1,2-Dibromoethane(EDB)	10.064	107	706183	9.595	ppbv	97
52) Tetrachloroethene	10.318	166	633738	8.990	ppbv	96
54) 1,1,1,2-Tetrachloroethane	10.682	131	578411	10.010	ppbv#	93
55) Chlorobenzene	10.690	112	976363	9.384	ppbv#	77
56) Ethylbenzene	10.887	91	1459309	9.827	ppbv	84
57) m, p-Xylene	10.978	91	2194443	20.125	ppbv	100
58) Bromoform	11.054	173	690521	10.391	ppbv	98
59) Styrene	11.183	104	901154	9.850	ppbv#	77
60) 1,1,2,2-Tetrachloroethane	11.243	83	879123	9.298	ppbv	93
61) o-Xylene	11.243	91	1144592	9.459	ppbv#	83
64) Isopropylbenzene	11.569	105	1645725	9.666	ppbv#	94
65) 4-Ethyltoluene	11.941	105	1768275	9.970	ppbv#	90
66) 1,3,5-Trimethylbenzene	11.979	105	1279212	9.169	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.230	105	1509982	9.542	ppbv#	86
68) Benzyl chloride	12.329	91	1057778	11.102	ppbv#	88
69) 1,3-Dichlorobenzene	12.344	146	1181038	9.436	ppbv#	88
70) 1,4-Dichlorobenzene	12.382	146	1139900	9.412	ppbv	100
71) sec-Butylbenzene	12.397	105	2165778	9.629	ppbv#	90
72) 4-Isopropyltoluene	12.488	119	2201979	9.742	ppbv	100
73) 1,2-Dichlorobenzene	12.602	146	1078383	9.297	ppbv#	89
74) n-Butylbenzene	12.746	91	1750989	9.754	ppbv#	94
75) 1,2,4-Trichlorobenzene	13.749	180	810645	9.175	ppbv	96
76) Naphthalene	13.840	128	1899762	9.190	ppbv#	95
77) Hexachlorobutadiene	14.083	225	654156	8.727	ppbv	97
79] 1,2-Dichlorotetrafluor...	4.027	85	1104719	9.146	ppbv#	73
80] Vinyl Chloride(sim)	4.127	62	392914	8.780	ppbv	99
81] Bromomethane(sim)	4.457	94	427529	8.637	ppbv#	93
82] Trichlorofluoromethane...	5.158	101	1391977	9.327	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.561	62	351871	9.006	ppbv#	1
84] 1,1,1-Trichloroethane(...	7.727	97	660211	10.010	ppbv#	91
85] Benzene(sim)	8.010	78	836188	8.472	ppbv	97
86] Carbon Tetrachloride(sim)	8.100	117	732176	11.633	ppbv	96
87] 1,1-Dichloroethene(sim)	5.592	61	687146	8.640	ppbv#	83
88] Trichlorotrifluoroetha...	5.839	101	971507	9.079	ppbv#	97
89] Trans-1,2-Dichloroethe...	6.350	61	1314	0.031	ppbv	89
90] 1,1-Dichloroethane(sim)	6.411	63	500030	9.114	ppbv	99
91] Cis-1,2-Dichloroethene...	6.926	61	356248	8.225	ppbv#	78
92] Chloroform(sim)	7.107	83	623761	9.649	ppbv	98
94] 1,2-dichloropropane(sim)	8.489	63	375303	9.701	ppbv#	85
95] Bromodichloromethane(sim)	8.599	83	651476	10.903	ppbv	98
96] Trichloroethene(sim)	8.627	130	589702	9.639	ppbv#	83
97] 1,4-Dioxane(sim)	8.616	88	197027	9.464	ppbv	84
98] cis-1,3-Dichloropropen...	9.110	75	572858	10.832	ppbv#	94
99] 1,1,2-Trichloroethane(...	9.515	97	394941	9.055	ppbv	98
100] Dibromochloromethane(sim)	9.926	129	938102	12.530	ppbv	100
101] 1,2-Dibromoethane(EDB)...	10.064	107	705800	9.333	ppbv	96
102] Tetrachloroethene(sim)	10.314	166	754998	9.354	ppbv	95
104] Bromoform(sim)	11.057	173	798262	10.959	ppbv	97
105] m, p-Xylene(sim)	10.978	91	2197099	18.326	ppbv#	86
106] 1,1,2,2-Tetrachloroeth...	11.239	83	959853	8.733	ppbv#	99
107] Benzyl chloride(sim)	12.329	91	1057812	11.811	ppbv	88
108] 1,3-Dichlorobenzene(sim)	12.347	146	1334517	8.532	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.382	146	1140056	8.812	ppbv#	86

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_16.D
Acq On : 31 Jan 2025 6:42 am
Operator :
Client ID : ICAL 10
Lab ID : 10ppb; T01510B
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 31 11:00:44 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110] sec-Butylbenzene(sim)	12.392	105	2400144	9.092	ppbv	90
111] 4-Isopropyltoluene(sim)	12.488	119	2201903	9.214	ppbv#	78
112] 1,2-Dichlorobenzene(sim)	12.605	146	1263293	8.461	ppbv	92
113] n-Butylbenzene(sim)	12.746	91	1750989	9.086	ppbv	94
114] 1,2,4-Trichlorobenzene...	13.752	180	985090	7.730	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

3
AIR ICV RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCS55361
 ICV - Client Id: ICV_CHEM20_0130

COMPOUND	SPIKE ADDED (ppbv)		ICV CONCENTRATION (ppbv)	ICV % REC #	QC. LIMITS REC.	
Propylene	10		9.659	97	70	130
Dichlorodifluoromethane	10		10.21	102	70	130
Chloromethane	10		9.894	99	70	130
1,2-Dichlorotetrafluoroethane	10		10.20	102	70	130
Vinyl Chloride	10		9.700	97	70	130
1,3-Butadiene	10		9.529	95	70	130
Bromomethane	10		9.761	98	70	130
Chloroethane	10		9.631	96	70	130
Ethanol	10		5.784	58 *	70	130
Acetone	10		9.534	95	70	130
Trichlorofluoromethane	10		9.914	99	70	130
Isopropylalcohol	10		9.323	93	70	130
Acrylonitrile	10		10.49	105	70	130
1,1-Dichloroethene	10		9.954	100	70	130
Methylene Chloride	10		9.264	93	70	130
Carbon Disulfide	10		10.92	109	70	130
Trichlorotrifluoroethane	10		10.36	104	70	130
Trans-1,2-Dichloroethene	10		9.835	98	70	130
1,1-Dichloroethane	10		9.972	100	70	130
Methyl tert-butyl ether(MTBE)	10		9.958	100	70	130
Methyl Ethyl Ketone	10		9.828	98	70	130
Cis-1,2-Dichloroethene	10		9.981	100	70	130
Hexane	10		9.899	99	70	130
Chloroform	10		10.07	101	70	130
Ethyl acetate	10		11.99	120	70	130
Tetrahydrofuran	10		9.954	100	70	130
1,2-Dichloroethane	10		9.761	98	70	130
1,1,1-Trichloroethane	10		10.37	104	70	130
Benzene	10		10.23	102	70	130
Carbon Tetrachloride	10		10.36	104	70	130
Cyclohexane	10		9.271	93	70	130
1,2-dichloropropane	10		10.22	102	70	130
Bromodichloromethane	10		10.19	102	70	130
Trichloroethene	10		9.779	98	70	130
2,2,4-trimethylpentane	10		9.606	96	70	130
1,4-Dioxane	10		8.733	87	70	130
Heptane	10		10.16	102	70	130
cis-1,3-Dichloropropene	10		10.08	101	70	130
4-Methyl-2-pentanone(MIBK)	10		9.494	95	70	130
trans-1,3-Dichloropropene	10		10.56	106	70	130
1,1,2-Trichloroethane	10		10.02	100	70	130
Toluene	10		10.14	101	70	130
Dibromochloromethane	10		10.48	105	70	130
2-Hexanone(MBK)	10		9.625	96	70	130

FORM III AIR

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No: SAS No: SDG No GCS55361

ICV - Client Id: ICV_CHEM20_0130

[illegible]

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_17.D
 Acq On : 31 Jan 2025 7:16 am
 Operator :
 Client ID : ICV_CHEM20_0130
 Lab ID : 10ppb lcs; T01510A
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 31 11:01:19 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	358704	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1162388	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	562178	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	410664	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1162388	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	561669	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.501	95	642490	10.029	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	100.30%	

Target Compounds

					Qvalue	
2) Propylene	3.735	41	279452	9.659	ppbv	91
3) Dichlorodifluoromethane	3.800	85	889783	10.207	ppbv	97
4) Chloromethane	3.938	50	408034	9.894	ppbv	94
5) 1,2-Dichlorotetrafluor...	4.027	85	1178622	10.204	ppbv#	72
6) Vinyl Chloride	4.133	62	386839	9.700	ppbv	93
7) 1,3-Butadiene	4.238	54	311556	9.529	ppbv	92
8) Bromomethane	4.465	94	440975	9.761	ppbv#	91
9) Chloroethane	4.595	64	174662	9.631	ppbv	88
11) Ethanol	4.684	45	116054	5.784	ppbv#	34
12) Acetone	5.041	43	880878	9.534	ppbv#	82
13) Trichlorofluoromethane	5.155	101	1344242	9.914	ppbv	93
14) Isopropylalcohol	5.212	45	897668	9.323	ppbv#	95
15) Acrylonitrile	5.350	53	351440	10.490	ppbv#	1
16) 1,1-Dichloroethene	5.592	61	729557	9.954	ppbv#	85
17) Methylene Chloride	5.670	49	605279	9.264	ppbv	97
20) Carbon Disulfide	5.884	76	1044920	10.924	ppbv	98
21) Trichlorotrifluoroethane	5.837	101	981674	10.363	ppbv	96
22) Trans-1,2-Dichloroethene	6.277	61	379024	9.834	ppbv#	77
23) 1,1-Dichloroethane	6.408	63	483706	9.972	ppbv	96
24) Methyl tert-butyl ethe...	6.444	73	683439	9.958	ppbv#	87
25) Methyl Ethyl Ketone	6.648	43	678404	9.828	ppbv#	93
26) Cis-1,2-Dichloroethene	6.926	61	371096	9.981	ppbv#	77
27) Hexane	7.042	57	441981	9.899	ppbv	98
28) Chloroform	7.112	83	592523	10.067	ppbv	95
29) Ethyl acetate	7.042	61	123360	11.985	ppbv#	79
30) Tetrahydrofuran	7.367	42	362300m	9.954	ppbv	93
31) 1,2-Dichloroethane	7.561	62	361268	9.761	ppbv#	82
32) 1,1,1-Trichloroethane	7.724	97	623366	10.370	ppbv	96
33) Benzene	8.010	78	898238	10.231	ppbv	97
34) Carbon Tetrachloride	8.097	117	675476	10.365	ppbv	96
35) Cyclohexane	8.175	84	334818	9.271	ppbv#	85
37) 1,2-dichloropropane	8.486	63	362968	10.215	ppbv#	84
38) Bromodichloromethane	8.607	83	674650	10.194	ppbv	98
39) Trichloroethene	8.625	130	551844	9.779	ppbv#	79
40) 2,2,4-trimethylpentane	8.625	57	1388731	9.605	ppbv	94
41) 1,4-Dioxane	8.616	88	189421	8.733	ppbv	86
43) Heptane	8.763	43	630742	10.162	ppbv#	89
44) cis-1,3-Dichloropropene	9.114	75	533290	10.076	ppbv	94
45) 4-Methyl-2-pentanone(M...	9.121	43	892121	9.494	ppbv#	88
46) trans-1,3-Dichloropropene	9.403	75	414191	10.563	ppbv#	94
47) 1,1,2-Trichloroethane	9.515	97	418731	10.018	ppbv	98
48) Toluene	9.677	91	1198908	10.143	ppbv#	97

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
 Data File : 0130_17.D
 Acq On : 31 Jan 2025 7:16 am
 Operator :
 Client ID : IGV_CHEM20_0130
 Lab ID : 10ppb lcs; T01510A
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 31 11:01:19 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.931	129	843348	10.483	ppbv	98
50) 2-Hexanone(MBK)	9.797	43	815374	9.625	ppbv#	46
51) 1,2-Dibromoethane(EDB)	10.064	107	741599	10.247	ppbv	95
52) Tetrachloroethene	10.318	166	667539	9.630	ppbv	96
54) 1,1,1,2-Tetrachloroethane	10.682	131	585983	10.089	ppbv#	92
55) Chlorobenzene	10.690	112	1030049	9.849	ppbv#	76
56) Ethylbenzene	10.887	91	1543140	10.338	ppbv	84
57) m, p-Xylene	10.978	91	2286350	20.860	ppbv	100
58) Bromoform	11.054	173	612406	9.168	ppbv	95
59) Styrene	11.183	104	935692	10.175	ppbv#	75
60) 1,1,2,2-Tetrachloroethane	11.243	83	925709	9.741	ppbv	93
61) o-Xylene	11.243	91	1191099	9.792	ppbv#	83
64) Isopropylbenzene	11.569	105	1689812	9.873	ppbv#	94
65) 4-Ethyltoluene	11.941	105	1764479	9.897	ppbv#	93
66) 1,3,5-Trimethylbenzene	11.979	105	1445009	10.304	ppbv#	92
67) 1,2,4-Trimethylbenzene	12.230	105	1564416	9.835	ppbv#	87
68) Benzyl chloride	12.329	91	1032641	10.782	ppbv#	88
69) 1,3-Dichlorobenzene	12.344	146	1230846	9.784	ppbv#	88
70) 1,4-Dichlorobenzene	12.382	146	1177137	9.670	ppbv	100
71) sec-Butylbenzene	12.397	105	2132576	9.433	ppbv#	90
72) 4-Isopropyltoluene	12.481	119	2210980	9.732	ppbv	100
73) 1,2-Dichlorobenzene	12.602	146	1147273	9.840	ppbv#	87
74) n-Butylbenzene	12.746	91	1733327	9.606	ppbv#	94
75) 1,2,4-Trichlorobenzene	13.749	180	765032	8.615	ppbv	97
76) Naphthalene	13.840	128	1783980	8.586	ppbv#	95
77) Hexachlorobutadiene	14.083	225	648101	8.602	ppbv	96
79] 1,2-Dichlorotetrafluor...	4.027	85	1176667	9.656	ppbv#	72
80] Vinyl Chloride(sim)	4.128	62	416091	9.217	ppbv	99
81] Bromomethane(sim)	4.465	94	440975	8.831	ppbv#	91
82] Trichlorofluoromethane...	5.158	101	1466922	9.743	ppbv#	95
83] 1,2-Dichloroethane(sim)	7.561	62	361268	9.165	ppbv#	1
84] 1,1,1-Trichloroethane(...	7.727	97	696529	10.468	ppbv#	91
85] Benzene(sim)	8.010	78	898238	9.021	ppbv	97
86] Carbon Tetrachloride(sim)	8.100	117	758249	11.941	ppbv	95
87] 1,1-Dichloroethene(sim)	5.592	61	729557	9.093	ppbv#	84
88] Trichlorotrifluoroetha...	5.839	101	1055322	9.776	ppbv#	97
89] Trans-1,2-Dichloroethe...	6.277	61	379024	8.957	ppbv#	77
90] 1,1-Dichloroethane(sim)	6.411	63	529827	9.572	ppbv	99
91] Cis-1,2-Dichloroethene...	6.926	61	371096	8.493	ppbv#	76
92] Chloroform(sim)	7.107	83	654512	10.036	ppbv	98
94] 1,2-dichloropropane(sim)	8.489	63	393568	10.346	ppbv#	85
95] Bromodichloromethane(sim)	8.607	83	674650	11.482	ppbv	99
96] Trichloroethene(sim)	8.628	130	616993	10.256	ppbv#	84
97] 1,4-Dioxane(sim)	8.616	88	189421	9.253	ppbv	86
98] cis-1,3-Dichloropropen...	9.110	75	598102	11.501	ppbv#	94
99] 1,1,2-Trichloroethane(...	9.515	97	418879	9.767	ppbv	98
100] Dibromochloromethane(sim)	9.927	129	941110	12.783	ppbv	100
101] 1,2-Dibromoethane(EDB)...	10.064	107	740453	9.957	ppbv	95
102] Tetrachloroethene(sim)	10.314	166	790884	9.964	ppbv	95
104] Bromoform(sim)	11.057	173	727582	9.946	ppbv	97
105] m, p-Xylene(sim)	10.978	91	2290149	19.021	ppbv#	86
106] 1,1,2,2-Tetrachloroeth...	11.239	83	1001617	9.074	ppbv#	99
107] Benzyl chloride(sim)	12.329	91	1032641	11.481	ppbv	88
108] 1,3-Dichlorobenzene(sim)	12.347	146	1387241	8.832	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.382	146	1176777	9.057	ppbv	87

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_17.D
Acq On : 31 Jan 2025 7:16 am
Operator :
Client ID : ICV_CHEM20_0130
Lab ID : 10ppb lcs; T01510A
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 31 11:01:19 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration

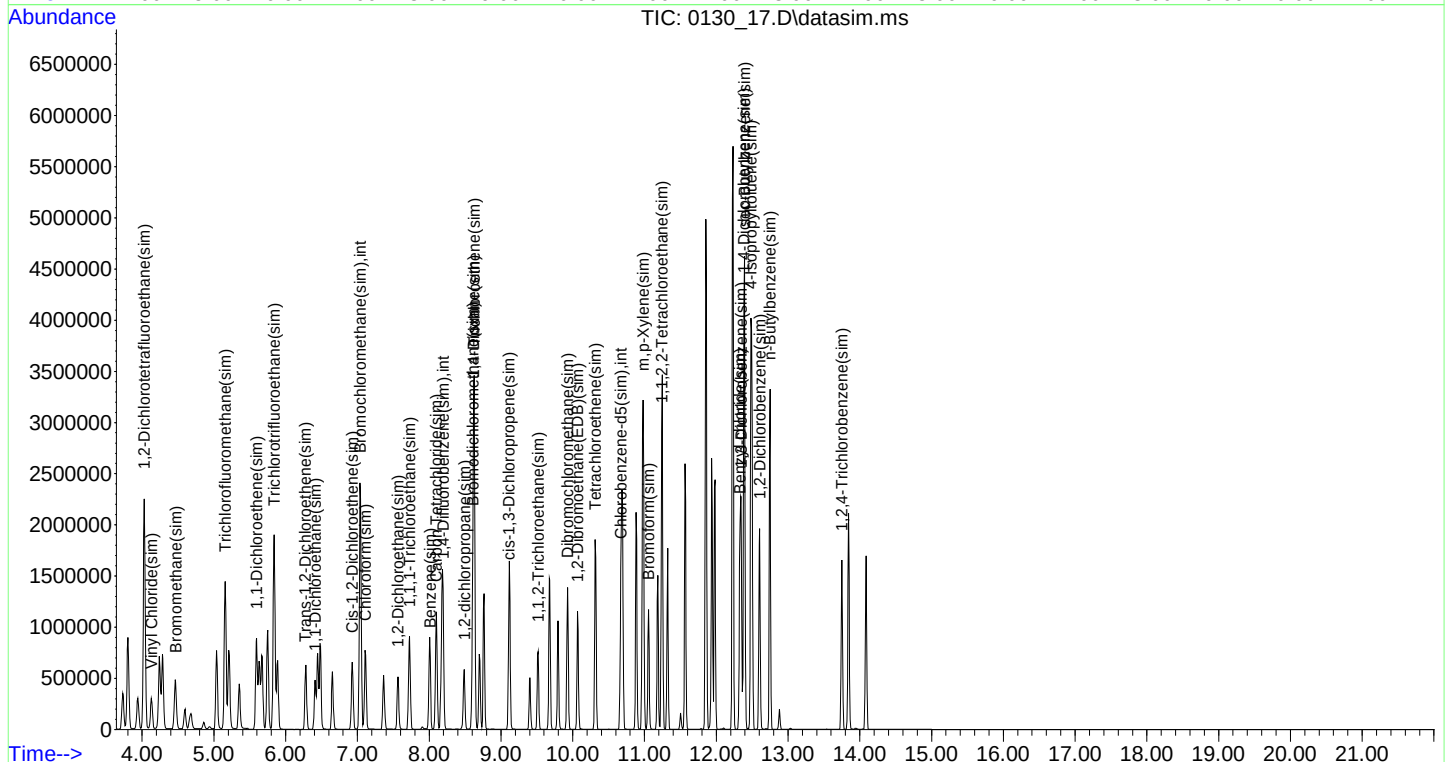
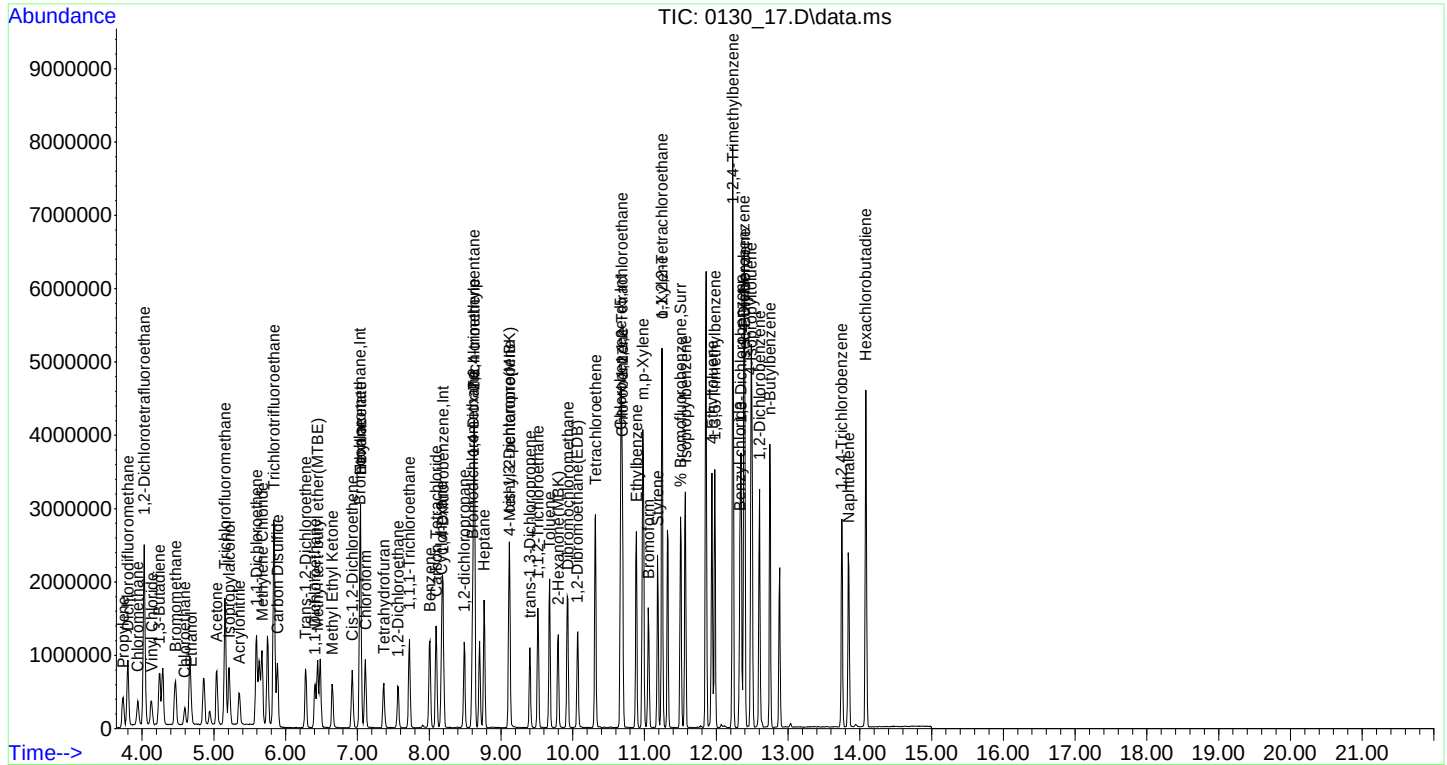
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.392	105	2399947	9.052	ppbv	90
111]	4-Isopropyltoluene(sim)	12.481	119	2211036	9.213	ppbv#	77
112]	1,2-Dichlorobenzene(sim)	12.605	146	1319550	8.800	ppbv	92
113]	n-Butylbenzene(sim)	12.746	91	1733122	8.955	ppbv	94
114]	1,2,4-Trichlorobenzene...	13.752	180	915474	7.154	ppbv	99

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\30C\
Data File : 0130_17.D
Acq On : 31 Jan 2025 7:16 am
Operator :
Client ID : ICV_CHEM20_0130
Lab ID : 10ppb lcs; T01510A
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 31 11:01:19 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration



6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM24
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCS55361
Calibration Date From: 01/14/25 13:41
Calibration Date Thru: 01/14/25 18:01
Method File: 24_AIR_0114.M

Laboratory File Ids

RRF1	<u>0114_03.D</u>	RRF2	<u>0114_04.D</u>	RRF3	<u>0114_05.D</u>	RRF4	<u>0114_06.D</u>	RRF5	<u>0114_07.D</u>	RRF6	<u>0114_08.D</u>				
RRF7	<u>0114_09.D</u>	RRF8	<u>0114_14.D</u>	RRF9	<u>0114_10.D</u>	RRF10	<u>0114_11.D</u>	RRF11	<u>0114_15.D</u>	RRF12	<u>0114_12.D</u>				
RRF13	<u>0114_13.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
Propylene						1.181	0.944	0.826	0.847	0.835	0.842	0.879	0.876	0.904	13.06
Dichlorodifluoromethane						3.099	3.082	3.057	2.956	2.920	3.001	3.013	3.162	3.036	2.61
Chloromethane						1.345	1.248	1.059	1.051	1.050	1.038	1.044	1.018	1.106	10.91
1,2-Dichlorotetrafluoroethane						3.277	3.242	2.960	3.026	3.028	3.044	3.051	3.004	3.079	3.74
Vinyl Chloride						1.246	1.215	1.097	1.121	1.103	1.090	1.107	1.093	1.134	5.37
1,3-Butadiene						1.056	0.984	0.853	0.874	0.862	0.859	0.860	0.855	0.900	8.53
Bromomethane						1.536	1.309	1.143	1.161	1.115	1.110	1.111	1.105	1.199	12.68
Chloroethane						0.587	0.548	0.493	0.479	0.480	0.468	0.478	0.474	0.501	8.61
Ethanol						0.719	0.648	0.540	0.476	0.514	0.476	0.514	0.502	0.549	16.01
Acetone						2.238	1.939	1.837	1.775	1.736	1.742	1.797	1.832	1.862	8.87
Trichlorofluoromethane						3.366	3.307	3.171	3.123	3.109	3.145	3.382	3.376	3.248	3.73
Isopropylalcohol						2.264	2.250	2.248	2.056	2.202	2.099	2.064	2.079	2.158	4.23
Acrylonitrile						0.812	0.816	0.767	0.733	0.737	0.763	0.779	0.787	0.774	3.97
1,1-Dichloroethene						1.968	1.862	1.780	1.797	1.790	1.813	1.845	1.845	1.838	3.29
Methylene Chloride						1.854	1.584	1.421	1.399	1.349	1.355	1.396	1.383	1.468	11.76
Carbon Disulfide						3.084	3.041	2.894	2.886	2.860	2.842	2.919	2.895	2.928	2.97
Trichlorotrifluoroethane						2.638	2.540	2.402	2.439	2.355	2.389	2.444	2.416	2.453	3.77
Trans-1,2-Dichloroethene						1.808	1.742	1.644	1.637	1.647	1.664	1.700	1.710	1.694	3.50
1,1-Dichloroethane						2.186	2.063	1.993	2.010	1.990	2.018	2.059	2.034	2.044	3.11
Methyl tert-butyl ether(MTBE)						2.998	2.843	2.746	2.710	2.728	2.814	2.845	2.843	2.816	3.27
Methyl Ethyl Ketone						2.643	2.479	2.312	2.261	2.275	2.297	2.379	2.376	2.378	5.41
Cis-1,2-Dichloroethene						1.736	1.629	1.547	1.533	1.541	1.571	1.623	1.622	1.600	4.22
Hexane						1.657	1.561	1.541	1.555	1.552	1.571	1.607	1.594	1.580	2.42
Chloroform						2.435	2.510	2.347	2.380	2.357	2.408	2.445	2.432	2.414	2.21

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM24
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCS55361
Calibration Date From: 01/14/25 13:41
Calibration Date Thru: 01/14/25 18:01
Method File: 24_AIR_0114.M

Laboratory File Ids

RRF1	<u>0114_03.D</u>	RRF2	<u>0114_04.D</u>	RRF3	<u>0114_05.D</u>	RRF4	<u>0114_06.D</u>	RRF5	<u>0114_07.D</u>	RRF6	<u>0114_08.D</u>				
RRF7	<u>0114_09.D</u>	RRF8	<u>0114_14.D</u>	RRF9	<u>0114_10.D</u>	RRF10	<u>0114_11.D</u>	RRF11	<u>0114_15.D</u>	RRF12	<u>0114_12.D</u>				
RRF13	<u>0114_13.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
Ethyl acetate						0.398	0.348	0.363	0.368	0.358	0.373	0.369	0.375	0.369	3.95
Tetrahydrofuran						1.140	1.131	1.076	1.103	1.096	1.130	1.143	1.146	1.121	2.29
1,2-Dichloroethane						1.749	1.748	1.666	1.678	1.678	1.691	1.754	1.755	1.715	2.32
1,1,1-Trichloroethane						2.615	2.469	2.470	2.461	2.451	2.562	2.615	2.628	2.534	3.10
Benzene					3.645	3.391	3.230	3.100	3.107	3.134	3.215	3.260	3.236	3.258	5.24
Carbon Tetrachloride						2.641	2.637	2.640	2.582	2.632	2.780	2.885	2.925	2.715	4.80
Cyclohexane						1.522	1.366	1.177	1.179	1.161	1.192	1.198	1.178	1.247	10.36
1,2-dichloropropane						0.410	0.385	0.372	0.376	0.383	0.383	0.399	0.402	0.389	3.43
Bromodichloromethane						0.749	0.760	0.738	0.734	0.748	0.767	0.800	0.815	0.764	3.85
Trichloroethene						0.483	0.490	0.474	0.480	0.476	0.474	0.481	0.487	0.481	1.25
2,2,4-trimethylpentane						1.577	1.527	1.475	1.476	1.485	1.470	1.505	1.519	1.504	2.41
1,4-Dioxane						0.218	0.197	0.220	0.192	0.214	0.211	0.212	0.217	0.210	4.81
Heptane						0.652	0.615	0.587	0.586	0.599	0.585	0.603	0.613	0.605	3.68
cis-1,3-Dichloropropene						0.575	0.570	0.565	0.565	0.586	0.603	0.628	0.644	0.592	5.11
4-Methyl-2-pentanone(MIBK)						0.827	0.802	0.820	0.795	0.847	0.823	0.855	0.863	0.829	2.94
trans-1,3-Dichloropropene						0.455	0.434	0.460	0.453	0.476	0.493	0.521	0.536	0.478	7.43
1,1,2-Trichloroethane						0.442	0.420	0.407	0.409	0.418	0.422	0.437	0.445	0.425	3.41
Toluene						1.237	1.180	1.150	1.155	1.176	1.189	1.216	1.208	1.189	2.53
Dibromochloromethane						0.791	0.800	0.818	0.802	0.844	0.893	0.929	0.956	0.854	7.47
2-Hexanone(MBK)						0.604	0.639	0.703	0.687	0.772	0.757	0.790	0.813	0.720	10.38
1,2-Dibromoethane(EDB)						0.738	0.728	0.709	0.698	0.712	0.729	0.753	0.765	0.729	3.13
Tetrachloroethene						0.707	0.671	0.652	0.642	0.645	0.648	0.672	0.676	0.664	3.26
1,1,1,2-Tetrachloroethane						1.207	1.174	1.159	1.130	1.132	1.110	1.014	0.934	1.107	8.15
Chlorobenzene						2.154	2.072	2.013	1.955	1.934	1.862	1.682	1.530	1.900	10.84

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM24
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCS55361
Calibration Date From: 01/14/25 13:41
Calibration Date Thru: 01/14/25 18:01
Method File: 24_AIR_0114.M

Laboratory File Ids

RRF1	<u>0114_03.D</u>	RRF2	<u>0114_04.D</u>	RRF3	<u>0114_05.D</u>	RRF4	<u>0114_06.D</u>	RRF5	<u>0114_07.D</u>	RRF6	<u>0114_08.D</u>					
RRF7	<u>0114_09.D</u>	RRF8	<u>0114_14.D</u>	RRF9	<u>0114_10.D</u>	RRF10	<u>0114_11.D</u>	RRF11	<u>0114_15.D</u>	RRF12	<u>0114_12.D</u>					
RRF13	<u>0114_13.D</u>															
COMPOUND		RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
Ethylbenzene						3.420	3.190	3.165	3.100	3.030	3.049	2.948	2.644	2.385	2.992	10.30
m,p-Xylene						2.545	2.452	2.409	1.934	2.367	2.361	2.279	2.042	1.845	2.248	10.97
Bromoform							1.535	1.561	1.632	1.597	1.661	1.708	1.598	1.477	1.596	4.57
Styrene							1.585	1.645	1.680	1.681	1.700	1.672	1.525	1.404	1.612	6.35
1,1,2,2-Tetrachloroethane							1.819	1.849	1.820	1.852	1.870	1.761	1.617	1.474	1.758	7.97
o-Xylene						2.683	2.602	2.542	2.529	2.473	2.460	2.357	2.134	1.936	2.413	9.86
Isopropylbenzene							3.589	3.660	3.547	3.536	3.475	3.292	2.949	2.646	3.337	10.75
4-Ethyltoluene							2.693	3.312	3.488	3.487	3.552	3.406	3.050	2.689	3.210	11.07
1,3,5-Trimethylbenzene							2.995	2.706	2.787	2.732	2.776	2.653	2.433	2.207	2.661	9.05
1,2,4-Trimethylbenzene							2.596	2.698	2.902	2.923	3.012	2.883	2.666	2.418	2.762	7.27
Benzyl chloride		qfi					0.078	0.223	0.672	1.928	4.832	10.960	26.410	39.050	Coef R2	1.00
1,3-Dichlorobenzene							1.284	1.495	1.723	1.734	1.876	1.846	1.712	1.678	1.669	11.58
1,4-Dichlorobenzene							1.077	1.299	1.529	1.556	1.701	1.718	1.683	1.461	1.503	14.80
sec-Butylbenzene							4.400	4.354	4.368	4.389	4.321	4.069	3.721	3.293	4.114	9.86
4-Isopropyltoluene							3.792	3.781	3.943	4.000	4.007	3.777	3.490	3.091	3.735	8.28
1,2-Dichlorobenzene							1.379	1.443	1.665	1.693	1.851	1.816	1.679	1.546	1.634	10.25
n-Butylbenzene							2.258	2.347	2.801	3.038	3.242	3.211	3.015	2.703	2.827	13.17
1,2,4-Trichlorobenzene		qfi					0.063	0.183	0.909	1.650	4.865	10.420	26.780	39.060	Coef R2	1.00
Naphthalene		qfi					0.062	0.196	0.924	1.687	4.985	10.390	26.960	38.880	Coef R2	0.99
Hexachlorobutadiene							1.732	1.610	1.746	1.646	1.869	1.776	1.579	1.416	1.672	8.38
1,2-Dichlorotetrafluoroethane(sim)		3.608	3.447	3.549	3.461	3.457	3.257	3.229	2.964	3.007	3.029				3.301	7.20
Vinyl Chloride(sim)		1.409	1.340	1.294	1.331	1.331	1.257	1.225	1.141	1.177	1.176				1.268	6.89
Bromomethane(sim)		1.289	1.406	1.376	1.285	1.888	1.527	1.304	1.144	1.155	1.117				1.349	16.93
Trichlorofluoromethane(sim)		3.552	3.380	3.353	3.485	3.717	3.468	3.394	3.311	3.234	3.248				3.414	4.30

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM24
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCS55361
Calibration Date From: 01/14/25 13:41
Calibration Date Thru: 01/14/25 18:01
Method File: 24_AIR_0114.M

Laboratory File Ids

RRF1	<u>0114_03.D</u>	RRF2	<u>0114_04.D</u>	RRF3	<u>0114_05.D</u>	RRF4	<u>0114_06.D</u>	RRF5	<u>0114_07.D</u>	RRF6	<u>0114_08.D</u>				
RRF7	<u>0114_09.D</u>	RRF8	<u>0114_14.D</u>	RRF9	<u>0114_10.D</u>	RRF10	<u>0114_11.D</u>	RRF11	<u>0114_15.D</u>	RRF12	<u>0114_12.D</u>				
RRF13	<u>0114_13.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
1,2-Dichloroethane(sim)	1.97	1.891	1.835	1.836	1.926	1.738	1.741	1.668	1.669	1.680				1.795	6.21
1,1,1-Trichloroethane(sim)	2.891	2.705	2.631	2.752	2.931	2.744	2.682	2.634	2.597	2.641				2.721	4.13
Benzene(sim)			3.974	3.931	3.621	3.371	3.218	3.104	3.090					3.473	10.78
Carbon Tetrachloride(sim)	2.678	2.597	2.586	2.671	2.829	2.689	2.636	2.676	2.596					2.662	2.79
1,1-Dichloroethene(sim)	2.153	2.289	2.215	2.021	2.037	1.956	1.855	1.782	1.787	1.793				1.989	9.37
Trichlorotrifluoroethane(sim)	2.864	2.656	2.601	2.714	2.875	2.684	2.619	2.497	2.483	2.471				2.646	5.46
Trans-1,2-Dichloroethene(sim)	1.911	2.117	1.859	1.836	2.025	1.798	1.736	1.646	1.628	1.650				1.821	9.04
1,1-Dichloroethane(sim)	2.492	2.260	2.293	2.269	2.434	2.283	2.210	2.110	2.121	2.128				2.260	5.67
Cis-1,2-Dichloroethene(sim)	1.907	1.941	1.920	1.958	1.946	1.726	1.622	1.549	1.524	1.544				1.764	10.70
Chloroform(sim)	2.725	2.663	2.610	2.681	2.859	2.672	2.621	2.487	2.495	2.502				2.631	4.43
1,2-dichloropropane(sim)	0.452	0.463	0.438	0.431	0.465	0.426	0.415	0.393	0.401	0.406				0.429	5.94
Bromodichloromethane(sim)	0.869	0.831	0.802	0.720	0.835	0.749	0.760	0.738	0.734	0.748				0.779	6.62
Trichloroethene(sim)	0.601	0.525	0.540	0.520	0.548	0.516	0.506	0.486	0.486	0.487				0.522	6.81
1,4-Dioxane(sim)					0.221	0.218	0.197	0.220	0.192	0.214				0.210	5.92
cis-1,3-Dichloropropene(sim)	0.683	0.610	0.608	0.593	0.643	0.611	0.603	0.610	0.606					0.618	4.48
1,1,2-Trichloroethane(sim)	0.507	0.464	0.465	0.421	0.471	0.442	0.420	0.407	0.409	0.418				0.442	7.53
Dibromochloromethane(sim)	0.868	0.792	0.809	0.806	0.881	0.810	0.810	0.828	0.812					0.824	3.66
1,2-Dibromoethane(EDB)(sim)	0.808	0.758	0.785	0.730	0.761	0.732	0.726	0.709	0.698	0.712				0.742	4.76
Tetrachloroethene(sim)	1.117	0.950	0.914	0.875	0.769	0.698	0.686	0.653	0.651	0.657	0.659			0.785	20.06
Bromoform(sim)	1.598	1.429	1.392	1.445	1.522	1.457	1.464	1.573	1.528					1.490	4.63
m,p-Xylene(sim)	3.488	3.272	2.924	2.980	2.545	2.452	2.408	2.417	2.378	2.368				2.723	15.17
1,1,2,2-Tetrachloroethane(sim)	2.222	1.922	1.891	1.851	1.999	1.915	1.898	1.914	1.925	1.956				1.949	5.31
Benzyl chloride(sim)	qfi		0.027	0.036	0.090	0.168	0.443	1.125	2.475					Coef R2	0.99
1,3-Dichlorobenzene(sim)	1.9	1.421	1.272	1.204	1.464	1.416	1.674	1.944	1.975					1.586	18.68

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Client: FPMGROUP

SDG No.: GCS55361

Calibration Date From: 01/14/25 13:41

Calibration Date Thru: 01/14/25 18:01

Method File: 24 AIR 0114.M

Laboratory File Ids

RRF1	0114_03.D	RRF2	0114_04.D	RRF3	0114_05.D	RRF4	0114_06.D	RRF5	0114_07.D	RRF6	0114_08.D	RRF7	0114_09.D	RRF8	0114_10.D	RRF9	0114_11.D	RRF10	0114_12.D	RRF11	0114_13.D	RRF12	0114_14.D	RRF13	0114_15.D	RRF14	0114_16.D	RRF15	0114_17.D	RRF16	0114_18.D	RRF17	0114_19.D	RRF18	0114_20.D	RRF19	0114_21.D	RRF20	0114_22.D	RRF21	0114_23.D	RRF22	0114_24.D	RRF23	0114_25.D	RRF24	0114_26.D	RRF25	0114_27.D	RRF26	0114_28.D	RRF27	0114_29.D	RRF28	0114_30.D	RRF29	0114_31.D	RRF30	0114_32.D	RRF31	0114_33.D	RRF32	0114_34.D	RRF33	0114_35.D	RRF34	0114_36.D	RRF35	0114_37.D	RRF36	0114_38.D	RRF37	0114_39.D	RRF38	0114_40.D	RRF39	0114_41.D	RRF40	0114_42.D	RRF41	0114_43.D	RRF42	0114_44.D	RRF43	0114_45.D	RRF44	0114_46.D	RRF45	0114_47.D	RRF46	0114_48.D	RRF47	0114_49.D	RRF48	0114_50.D	RRF49	0114_51.D	RRF50	0114_52.D	RRF51	0114_53.D	RRF52	0114_54.D	RRF53	0114_55.D	RRF54	0114_56.D	RRF55	0114_57.D	RRF56	0114_58.D	RRF57	0114_59.D	RRF58	0114_60.D	RRF59	0114_61.D	RRF60	0114_62.D	RRF61	0114_63.D	RRF62	0114_64.D	RRF63	0114_65.D	RRF64	0114_66.D	RRF65	0114_67.D	RRF66	0114_68.D	RRF67	0114_69.D	RRF68	0114_70.D	RRF69	0114_71.D	RRF70	0114_72.D	RRF71	0114_73.D	RRF72	0114_74.D	RRF73	0114_75.D	RRF74	0114_76.D	RRF75	0114_77.D	RRF76	0114_78.D	RRF77	0114_79.D	RRF78	0114_80.D	RRF79	0114_81.D	RRF80	0114_82.D	RRF81	0114_83.D	RRF82	0114_84.D	RRF83	0114_85.D	RRF84	0114_86.D	RRF85	0114_87.D	RRF86	0114_88.D	RRF87	0114_89.D	RRF88	0114_90.D	RRF89	0114_91.D	RRF90	0114_92.D	RRF91	0114_93.D	RRF92	0114_94.D	RRF93	0114_95.D	RRF94	0114_96.D	RRF95	0114_97.D	RRF96	0114_98.D	RRF97	0114_99.D	RRF98	0114_100.D	RRF99	0114_101.D	RRF100	0114_102.D	RRF101	0114_103.D	RRF102	0114_104.D	RRF103	0114_105.D	RRF104	0114_106.D	RRF105	0114_107.D	RRF106	0114_108.D	RRF107	0114_109.D	RRF108	0114_110.D	RRF109	0114_111.D	RRF110	0114_112.D	RRF111	0114_113.D	RRF112	0114_114.D	RRF113	0114_115.D	RRF114	0114_116.D	RRF115	0114_117.D	RRF116	0114_118.D	RRF117	0114_119.D	RRF118	0114_120.D	RRF119	0114_121.D	RRF120	0114_122.D	RRF121	0114_123.D	RRF122	0114_124.D	RRF123	0114_125.D	RRF124	0114_126.D	RRF125	0114_127.D	RRF126	0114_128.D	RRF127	0114_129.D	RRF128	0114_130.D	RRF129	0114_131.D	RRF130	0114_132.D	RRF131	0114_133.D	RRF132	0114_134.D	RRF133	0114_135.D	RRF134	0114_136.D	RRF135	0114_137.D	RRF136	0114_138.D	RRF137	0114_139.D	RRF138	0114_140.D	RRF139	0114_141.D	RRF140	0114_142.D	RRF141	0114_143.D	RRF142	0114_144.D	RRF143	0114_145.D	RRF144	0114_146.D	RRF145	0114_147.D	RRF146	0114_148.D	RRF147	0114_149.D	RRF148	0114_150.D	RRF149	0114_151.D	RRF150	0114_152.D	RRF151	0114_153.D	RRF152	0114_154.D	RRF153	0114_155.D	RRF154	0114_156.D	RRF155	0114_157.D	RRF156	0114_158.D	RRF157	0114_159.D	RRF158	0114_160.D	RRF159	0114_161.D	RRF160	0114_162.D	RRF161	0114_163.D	RRF162	0114_164.D	RRF163	0114_165.D	RRF164	0114_166.D	RRF165	0114_167.D	RRF166	0114_168.D	RRF167	0114_169.D	RRF168	0114_170.D	RRF169	0114_171.D	RRF170	0114_172.D	RRF171	0114_173.D	RRF172	0114_174.D	RRF173	0114_175.D	RRF174	0114_176.D	RRF175	0114_177.D	RRF176	0114_178.D	RRF177	0114_179.D	RRF178	0114_180.D	RRF179	0114_181.D	RRF180	0114_182.D	RRF181	0114_183.D	RRF182	0114_184.D	RRF183	0114_185.D	RRF184	0114_186.D	RRF185	0114_187.D	RRF186	0114_188.D	RRF187	0114_189.D	RRF188	0114_190.D	RRF189	0114_191.D	RRF190	0114_192.D	RRF191	0114_193.D	RRF192	0114_194.D	RRF193	0114_195.D	RRF194	0114_196.D	RRF195	0114_197.D	RRF196	0114_198.D	RRF197	0114_199.D	RRF198	0114_200.D	RRF199	0114_201.D	RRF200	0114_202.D	RRF201	0114_203.D	RRF202	0114_204.D	RRF203	0114_205.D	RRF204	0114_206.D	RRF205	0114_207.D	RRF206	0114_208.D	RRF207	0114_209.D	RRF208	0114_210.D	RRF209	0114_211.D	RRF210	0114_212.D	RRF211	0114_213.D	RRF212	0114_214.D	RRF213	0114_215.D	RRF214	0114_216.D	RRF215	0114_217.D	RRF216	0114_218.D	RRF217	0114_219.D	RRF218	0114_220.D	RRF219	0114_221.D	RRF220	0114_222.D	RRF221	0114_223.D	RRF222	0114_224.D	RRF223	0114_225.D	RRF224	0114_226.D	RRF225	0114_227.D	RRF226	0114_228.D	RRF227	0114_229.D	RRF228	0114_230.D	RRF229	0114_231.D	RRF230	0114_232.D	RRF231	0114_233.D	RRF232	0114_234.D	RRF233	0114_235.D	RRF234	0114_236.D	RRF235	0114_237.D	RRF236	0114_238.D	RRF237	0114_239.D	RRF238	0114_240.D	RRF239	0114_241.D	RRF240	0114_242.D	RRF241	0114_243.D	RRF242	0114_244.D	RRF243	0114_245.D	RRF244	0114_246.D	RRF245	0114_247.D	RRF246	0114_248.D	RRF247	0114_249.D	RRF248	0114_250.D	RRF249	0114_251.D	RRF250	0114_252.D	RRF251	0114_253.D	RRF252	0114_254.D	RRF253	0114_255.D	RRF254	0114_256.D	RRF255	0114_257.D	RRF256	0114_258.D	RRF257	0114_259.D	RRF258	0114_260.D	RRF259	0114_261.D	RRF260	0114_262.D	RRF261	0114_263.D	RRF262	0114_264.D	RRF263	0114_265.D	RRF264	0114_266.D	RRF265	0114_267.D	RRF266	0114_268.D	RRF267	0114_269.D	RRF268	0114_270.D	RRF269	0114_271.D	RRF270	0114_272.D	RRF271	0114_273.D	RRF272	0114_274.D	RRF273	0114_275.D	RRF274	0114_276.D	RRF275	0114_277.D	RRF276	0114_278.D	RRF277	0114_279.D	RRF278	0114_280.D	RRF279	0114_281.D	RRF280	0114_282.D	RRF281	0114_283.D	RRF282	0114_284.D	RRF283	0114_285.D	RRF284	0114_286.D	RRF285	0114_287.D	RRF286	0114_288.D	RRF287	0114_289.D	RRF288	0114_290.D	RRF289	0114_291.D	RRF290	0114_292.D	RRF291	0114_293.D	RRF292	0114_294.D	RRF293	0114_295.D	RRF294	0114_296.D	RRF295	0114_297.D	RRF296	0114_298.D	RRF297	0114_299.D	RRF298	0114_300.D	RRF299	0114_301.D	RRF300	0114_302.D	RRF301	0114_303.D	RRF302	0114_304.D	RRF303	0114_305.D	RRF304	0114_306.D	RRF305	0114_307.D	RRF306	0114_308.D	RRF307	0114_309.D	RRF308	0114_310.D	RRF309	0114_311.D	RRF310	0114_312.D	RRF311	0114_313.D	RRF312	0114_314.D	RRF313	0114_315.D	RRF314	0114_316.D	RRF315	0114_317.D	RRF316	0114_318.D	RRF317	0114_319.D	RRF318	0114_320.D	RRF319	0114_321.D	RRF320	0114_322.D	RRF321	0114_323.D	RRF322	0114_324.D	RRF323	0114_325.D	RRF324	0114_326.D	RRF325	0114_327.D	RRF326	0114_328.D	RRF327	0114_329.D	RRF328	0114_330.D	RRF329	0114_331.D	RRF330	0114_332.D	RRF331	0114_333.D	RRF332	0114_334.D	RRF333	0114_335.D	RRF334	0114_336.D	RRF335	0114_337.D	RRF336	0114_338.D	RRF337	0114_339.D	RRF338	0114_340.D	RRF339	0114_341.D	RRF340	0114_342.D	RRF341	0114_343.D	RRF342	0114_344.D	RRF343	0114_345.D	RRF344	0114_346.D	RRF345	0114_347.D	RRF346	0114_348.D	RRF347	0114_349.D	RRF348	0114_350.D	RRF349	0114_351.D	RRF350	0114_352.D	RRF351	0114_353.D	RRF352	0114_354.D	RRF353	0114_355.D	RRF354	0114_356.D	RRF355	0114_357.D	RRF356	0114_358.D	RRF357	0114_359.D	RRF358	0114_360.D	RRF359	0114_361.D	RRF360	0114_362.D	RRF361	0114_363.D	RRF362	0114_364.D	RRF363	0114_365.D	RRF364	0114_366.D	RRF365	0114_367.D	RRF366	0114_368.D	RRF367	0114_369.D	RRF368	0114_370.D	RRF369	0114_371.D	RRF370	0114_372.D	RRF371	0114_373.D	RRF372	0114_374.D	RRF373	0114_375.D	RRF374	0114_376.D	RRF375	0114_377.D	RRF376	0114_378.D	RRF377	0114_379.D	RRF378	0114_380.D	RRF379	0114_381.D	RRF380	0114_382.D	RRF381	0114_383.D	RRF382	0114_384.D	RRF383	0114_385.D	RRF384	0114_386.D	RRF385	0114_387.D	RRF386	0114_388.D	RRF387	0114_389.D	RRF388	0114_390.D	RRF389	0114_391.D	RRF390	0114_392.D	RRF391	0114_393.D	RRF392	0114_394.D	RRF393	0114_395.D	RRF394	0114_396.D	RRF395	0114_397.D	RRF396	0114_398.D	RRF397	0114_399.D	RRF398	0114_400.D	RRF399	0114_401.D	RRF400	0114_402.D	RRF401	0114_403.D	RRF402	0114_404.D	RRF403	0114_405.D	RRF404	0114_406.D	RRF405	0114_407.D	RRF406	0114_408.D	RRF407	0114_409.D	RRF408	0114_410.D	RRF409	0114_411.D	RRF410	0114_412.D	RRF411	0114_413.D	RRF412	0114_414.D	RRF413	0114_415.D	RRF414	0114_416.D	RRF415	0114_417.D	RRF416	0114_418.D	RRF417	0114_419.D	RRF418	0114_420.D	RRF419	0114_421.D	RRF420	0114_422.D	RRF421	0114_423.D	RRF422	0114_424.D	RRF423	0114_425.D	RRF424	0114_426.D	RRF425	0114_427.D	RRF426	0114_428.D	RRF427	0114_429.D	RRF428	0114_430.D	RRF429	0114_431.D	RRF430	0114_432.D	RRF431	0114_433.D	RRF432	0114_434.D	RRF433	0114_435.D	RRF434	0114_436.D	RRF435	0114_437.D	RRF436	0114_438.D	RRF437	0114_439.D	RRF438	0114_440.D	RRF439	0114_441.D	RRF440	0114_442.D	RRF441	0114_443.D	RRF442	0114_444.D	RRF443	0114_445.D	RRF444	0114_446.D	RRF445	0114_447.D	RRF446	0114_448.D	RRF447	0114_449.D	RRF448	0114_450.D	RRF449	0114_451.D	RRF450	0114_452.D	RRF451	0114_453.D	RRF452	0114_454.D	RRF453	0114_455.D	RRF454	0114_456.D	RRF455	0114_457.D	RRF456	0114_458.D	RRF457	0114_459.D	RRF458	0114_460.D	RRF459	0114_461.D	RRF460	0114_462.D	RRF461	0114_463.D	RRF462	0114_464.D	RRF463	0114_465.D	RRF464	0114_466.D	RRF465	0114_467.D	RRF466	0114_468.D	RRF467	0114_469.D	RRF468	0114_470.D	RRF469	0114_471.D	RRF470	0114_472.D	RRF471	0114_473.D	RRF472	0114_474.D	RRF473	0114_475.D	RRF474	0114_476.D	RRF475	0114_477.D	RRF476	0114_478.D	RRF477	0114_479.D	RRF478	0114_480.D	RRF479	0114_481.D	RRF480	0114_482.D	RRF481	0114_483.D	RRF482	0114_484.D	RRF483	0114_485.D	RRF484	0114_486.D	RRF485	0114_487.D	RRF486	0114_488.D	RRF487	0114_489.D	RRF488	0114_490.D	RRF489	0114_491.D	RRF490	0114_492.D	RRF491	0114_493.D	RRF492	0114_494.D	RRF493	0114_495.D	RRF494	0114_496.D	RRF495	0114_497.D	RRF496	0114_498.D	RRF497	0114_499.D	RRF498	0114_500.D	RRF499	0114_501.D	RRF500	0114_502.D	RRF501	0114_503.D	RRF502	0114_504.D	RRF503	0114_505.D	RRF504	0114_506.D	RRF505	0114_507.D	RRF506	0114_508.D	RRF507	0114_509.D	RRF508	0114_510.D	RRF509	0114_511.D	RRF510	0114_512.D	RRF511	0114_513.D	RRF512	0114_514.D	RRF513	0114_515.D	RRF514	0114_516.D	RRF515	0114_517.D	RRF516	0114_518.D	RRF517	0114_519.D	RRF518	0114_520.D	RRF519	0114_521.D	RRF520	0114_522.D	RRF521	0114_523.D	RRF522	0114_524.D	RRF523	0114_525.D	RRF524	0114_526.D	RRF525

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\0114\14\
 Data File : 0114_03.D
 Acq On : 14 Jan 2025 10:38 am
 Operator : Keith
 Client ID : ICAL 0.01
 Lab ID : 0.01 (40cc -1); T01511
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 14 16:35:42 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.507	130	301040	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	1036490	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	475710	10.000	ng	0.00
80) Bromochloromethane(sim)	7.510	130	300960	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	1036490	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	475710	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	576967	9.372	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	93.70%	
Target Compounds						
					Qvalue	
2) Propylene	4.070	41	1504	0.055	ppbv	89
3) Dichlorodifluoromethane	4.137	85	1116	0.012	ppbv#	44
4) Chloromethane	4.311	50	1363	0.041	ppbv	81
5) 1,2-Dichlorotetrafluor...	4.385	85	1194	0.013	ppbv#	54
6) Vinyl Chloride	4.502	62	263	0.008	ppbv#	44
7) 1,3-Butadiene	4.618	54	423	0.016	ppbv#	60
8) Bromomethane	4.858	94	1964	0.054	ppbv#	39
9) Chloroethane	0.000	64	0	0.000	ppbv	0
11) Ethanol	5.074	45	611	0.037	ppbv#	64
12) Acetone	5.461	43	4395	0.078	ppbv#	86
13) Trichlorofluoromethane	5.578	101	893	0.009	ppbv	92
14) Isopropylalcohol	5.633	45	4232	0.065	ppbv#	48
15) Acrylonitrile	5.766	53	102	0.004	ppbv#	6
16) 1,1-Dichloroethene	6.034	61	365	0.007	ppbv#	70
17) Methylene Chloride	6.112	49	2312	0.052	ppbv	99
20) Carbon Disulfide	6.344	76	1007	0.011	ppbv#	76
21) Trichlorotrifluoroethane	6.284	101	918	0.012	ppbv#	54
22) Trans-1,2-Dichloroethene	6.729	61	779	0.015	ppbv#	64
23) 1,1-Dichloroethane	6.875	63	764	0.012	ppbv	73
24) Methyl tert-butyl ethe...	6.915	73	1222	0.014	ppbv#	11
25) Methyl Ethyl Ketone	7.126	43	1561	0.022	ppbv#	67
26) Cis-1,2-Dichloroethene	7.410	61	662	0.014	ppbv#	85
27) Hexane	7.523	57	911	0.019	ppbv#	49
28) Chloroform	7.588	83	826	0.011	ppbv	78
29) Ethyl acetate	0.000	61	0	0.000	ppbv	0
30) Tetrahydrofuran	7.864	42	670	0.020	ppbv#	47
31) 1,2-Dichloroethane	8.059	62	495	0.010	ppbv#	68
32) 1,1,1-Trichloroethane	8.221	97	839	0.011	ppbv#	64
33) Benzene	8.493	78	1358	0.014	ppbv#	77
34) Carbon Tetrachloride	8.588	117	726	0.009	ppbv#	78
35) Cyclohexane	8.666	84	1770	0.047	ppbv#	1
37) 1,2-dichloropropane	8.986	63	570	0.014	ppbv#	56
38) Bromodichloromethane	9.090	83	996	0.013	ppbv	89
39) Trichloroethene	9.107	130	536	0.011	ppbv#	80
40) 2,2,4-trimethylpentane	9.116	57	1874	0.012	ppbv#	69
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv	0
43) Heptane	9.246	43	1239	0.020	ppbv#	82
44) cis-1,3-Dichloropropene	9.596	75	597	0.010	ppbv#	44
45) 4-Methyl-2-pentanone(M...	9.603	43	1445	0.017	ppbv#	59
46) trans-1,3-Dichloropropene	9.877	75	423	0.009	ppbv#	44
47) 1,1,2-Trichloroethane	9.997	97	275	0.006	ppbv#	43
48) Toluene	10.159	91	1813	0.015	ppbv#	82

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\0114\14\
 Data File : 0114_03.D
 Acq On : 14 Jan 2025 10:38 am
 Operator : Keith
 Client ID : ICAL 0.01
 Lab ID : 0.01 (40cc -1); T01511
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 14 16:35:42 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	744	0.008	ppbv#	63
50) 2-Hexanone(MBK)	10.286	43	1201	0.016	ppbv#	61
51) 1,2-Dibromoethane(EDB)	10.553	107	816	0.011	ppbv	96
52) Tetrachloroethene	10.792	166	918	0.013	ppbv	91
54) 1,1,1,2-Tetrachloroethane	11.155	131	634	0.012	ppbv#	69
55) Chlorobenzene	11.177	112	1126	0.012	ppbv#	1
56) Ethylbenzene	11.359	91	2053	0.014	ppbv	90
57) m, p-Xylene	11.458	91	3378	0.032	ppbv	91
58) Bromoform	11.541	173	730	0.010	ppbv#	53
59) Styrene	11.663	104	901	0.012	ppbv	91
60) 1,1,2,2-Tetrachloroethane	11.723	83	998	0.012	ppbv	88
61) o-Xylene	11.731	91	1660	0.014	ppbv#	89
64) Isopropylbenzene	12.049	105	2422	0.015	ppbv#	90
66) 4-Ethyltoluene	12.416	105	2374	0.016	ppbv#	66
67) 1,3,5-Trimethylbenzene	12.455	105	2195	0.017	ppbv#	93
68) 1,2,4-Trimethylbenzene	12.704	105	1369	0.010	ppbv	91
70) Benzyl chloride	12.797	91	161	0.002	ppbv#	58
71) 1,3-Dichlorobenzene	12.820	146	773	0.010	ppbv	92
72) 1,4-Dichlorobenzene	12.867	146	496	0.007	ppbv#	53
73) sec-Butylbenzene	12.875	105	2494	0.013	ppbv#	92
74) 4-Isopropyltoluene	12.960	119	2972	0.017	ppbv#	89
75) 1,2-Dichlorobenzene	13.084	146	1009	0.013	ppbv#	82
76) n-Butylbenzene	13.224	91	1179	0.009	ppbv#	84
77) 1,2,4-Trichlorobenzene	14.290	180	123	0.003	ppbv#	11
78) Naphthalene	14.383	128	955	0.007	ppbv#	70
79) Hexachlorobutadiene	14.632	225	1319	0.017	ppbv	90
81] 1,2-Dichlorotetrafluor...	4.388	85	1086m	0.011	ppbv	54
82] Vinyl Chloride(sim)	4.496	62	424	0.011	ppbv#	86
83] Bromomethane(sim)	4.844	94	388m	0.010	ppbv	42
84] Trichlorofluoromethane...	5.581	101	1069	0.010	ppbv#	98
85] 1,2-Dichloroethane(sim)	8.053	62	593m	0.011	ppbv	68
86] 1,1,1-Trichloroethane(...	8.216	97	870	0.011	ppbv#	96
87] Benzene(sim)	8.496	78	1449m	0.014	ppbv	77
88] Carbon Tetrachloride(sim)	8.591	117	806	0.010	ppbv#	95
89] 1,1-Dichloroethene(sim)	6.037	61	648m	0.011	ppbv	70
90] Trichlorotrifluoroetha...	6.287	101	862	0.011	ppbv#	94
91] Trans-1,2-Dichloroethe...	6.740	61	575m	0.010	ppbv	64
92] 1,1-Dichloroethane(sim)	6.869	63	750	0.011	ppbv#	89
93] Cis-1,2-Dichloroethene...	7.405	61	574m	0.011	ppbv	85
94] Chloroform(sim)	7.591	83	820	0.010	ppbv#	76
96] 1,2-dichloropropane(sim)	8.972	63	468m	0.011	ppbv	74
97] Bromodichloromethane(sim)	9.084	83	901m	0.011	ppbv	91
98] Trichloroethene(sim)	9.110	130	623	0.012	ppbv	95
99] 1,4-Dioxane(sim)	9.119	88	250m	0.011	ppbv	0
100] cis-1,3-Dichloropropen...	9.592	75	708	0.011	ppbv	97
101] 1,1,2-Trichloroethane(...	9.993	97	526m	0.011	ppbv	71
102] Dibromochloromethane(sim)	10.408	129	900	0.011	ppbv	96
103] 1,2-Dibromoethane(EDB)...	10.556	107	837m	0.011	ppbv	96
104] Tetrachloroethene(sim)	10.795	166	1158	0.014	ppbv	97
106] Bromoform(sim)	11.537	173	760	0.011	ppbv	99
107] m, p-Xylene(sim)	11.453	91	3319m	0.026	ppbv	91
108] 1,1,2,2-Tetrachloroeth...	11.719	83	1057	0.011	ppbv	98
111] Benzyl chloride(sim)	12.807	91	351m	0.008	ppbv	58
112] 1,3-Dichlorobenzene(sim)	12.823	146	904	0.012	ppbv	94
113] 1,4-Dichlorobenzene(sim)	12.862	146	745m	0.013	ppbv	53

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_03.D
Acq On : 14 Jan 2025 10:38 am
Operator : Keith
Client ID : ICAL 0.01
Lab ID : 0.01 (40cc -1); T01511
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 14 16:35:42 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration

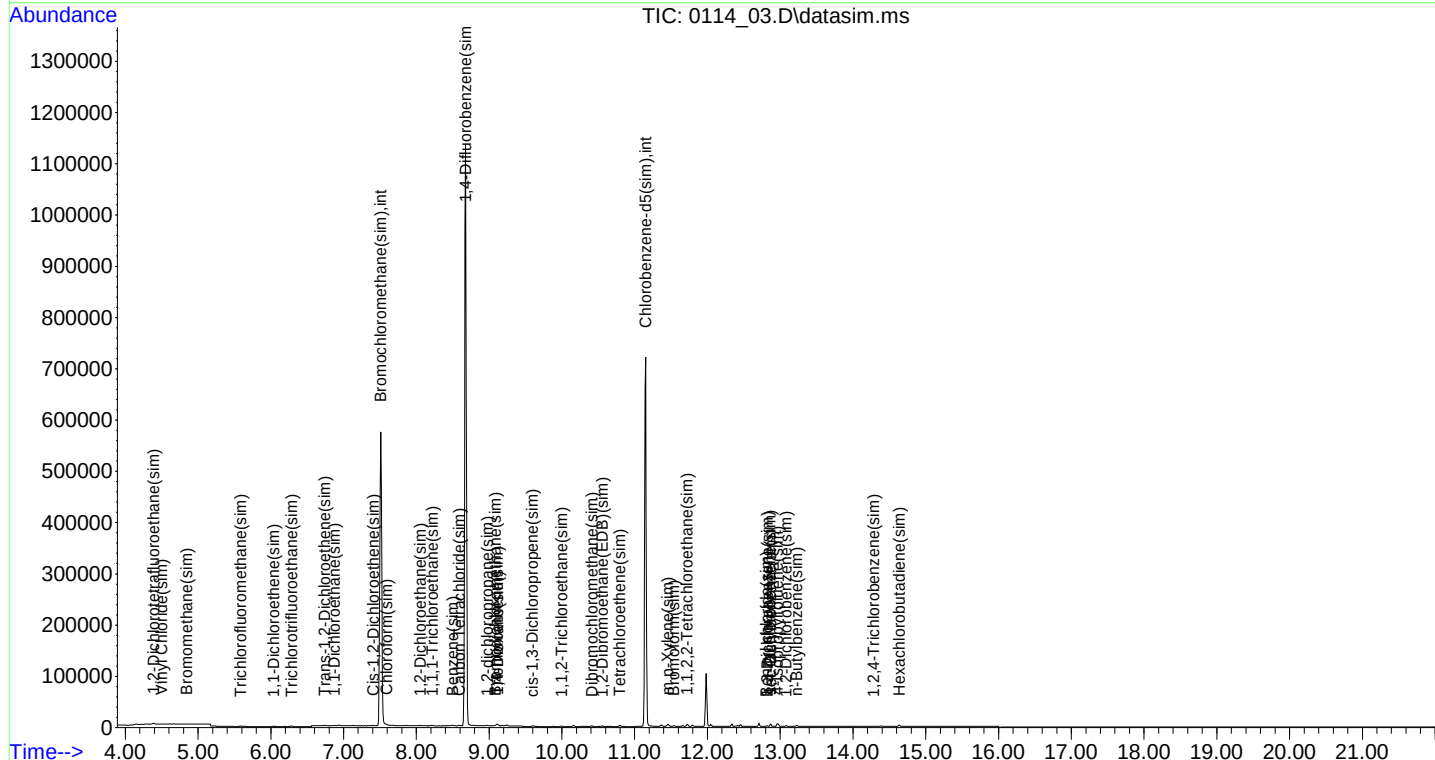
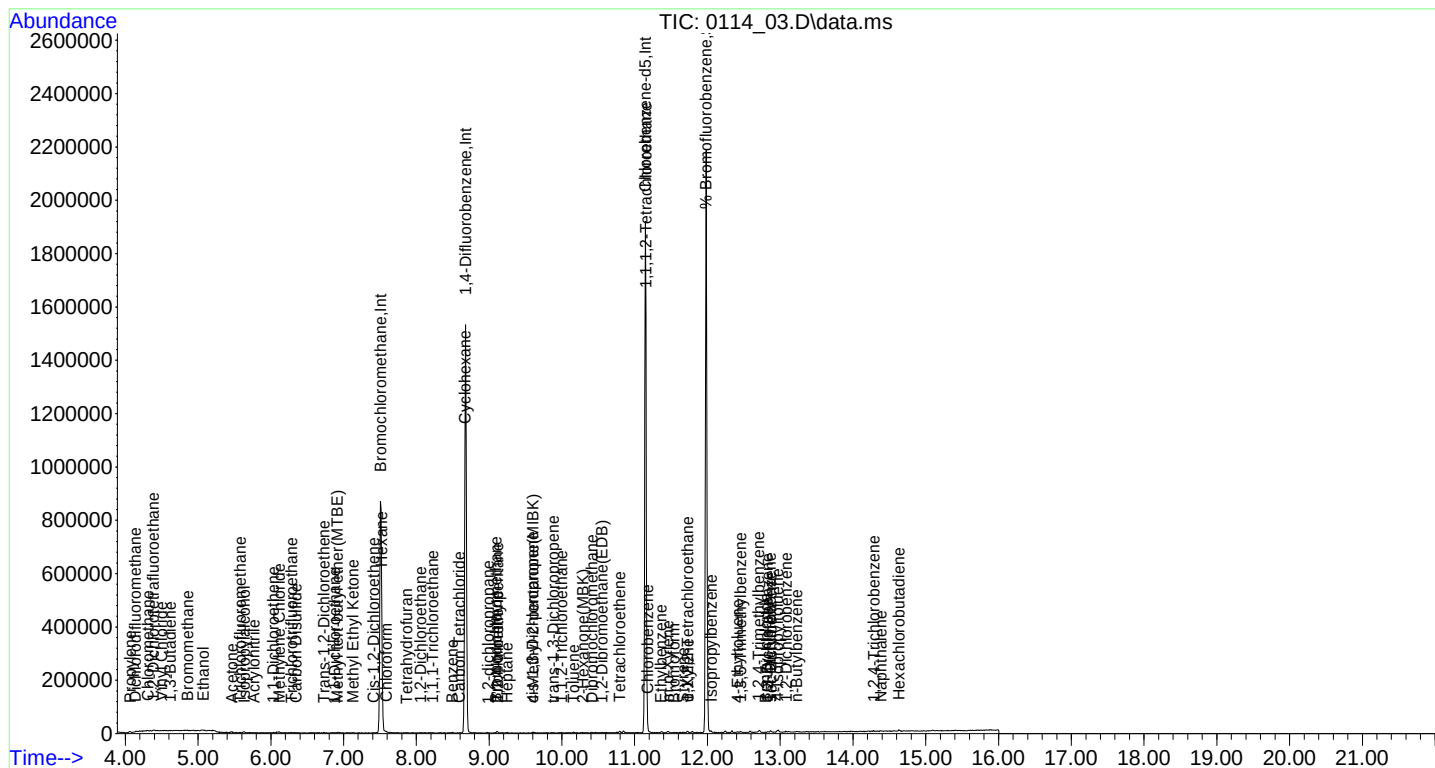
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	2768	0.012	ppbv	96
115]	4-Isopropyltoluene(sim)	12.955	119	3194m	0.017	ppbv	89
116]	1,2-Dichlorobenzene(sim)	13.080	146	957m	0.012	ppbv	94
117]	n-Butylbenzene(sim)	13.227	91	1299m	0.012	ppbv	84
118]	1,2,4-Trichlorobenzene...	14.285	180	313	0.031	ppbv	98
119]	Hexachlorobutadiene(sim)	14.635	225	1504m	0.017	ppbv	68

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_03.D
Acq On : 14 Jan 2025 10:38 am
Operator : Keith
Client ID : ICAI 0.01
Lab ID : 0.01 (40cc -1); T01511
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 14 16:35:42 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\0114\14\
 Data File : 0114_04.D
 Acq On : 14 Jan 2025 11:14 am
 Operator : Keith
 Client ID : ICAL 0.02
 Lab ID : 0.02 (80cc -1) ; T01511
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 14 16:36:46 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	300727	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	1040986	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	479063	10.000	ng	0.00
80) Bromochloromethane(sim)	7.510	130	304012	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	1040986	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	479234	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.981	95	587009	9.468	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	94.70%

Target Compounds

					Qvalue	
2) Propylene	4.070	41	2046	0.075	ppbv#	68
3) Dichlorodifluoromethane	4.137	85	1618	0.018	ppbv#	51
4) Chloromethane	4.302	50	1755	0.053	ppbv#	42
5) 1,2-Dichlorotetrafluor...	4.385	85	1801	0.019	ppbv#	88
6) Vinyl Chloride	4.501	62	887	0.026	ppbv	81
7) 1,3-Butadiene	4.618	54	1090	0.040	ppbv#	83
8) Bromomethane	4.850	94	2592	0.072	ppbv#	54
9) Chloroethane	4.991	64	479	0.032	ppbv#	66
11) Ethanol	5.065	45	2306	0.140	ppbv#	81
12) Acetone	5.455	43	6801	0.121	ppbv#	87
13) Trichlorofluoromethane	5.578	101	2168	0.022	ppbv#	83
14) Isopropylalcohol	5.627	45	7373	0.114	ppbv#	60
15) Acrylonitrile	5.772	53	648	0.028	ppbv#	71
16) 1,1-Dichloroethene	6.028	61	1263	0.023	ppbv#	82
17) Methylene Chloride	6.112	49	2692	0.061	ppbv	90
20) Carbon Disulfide	6.344	76	1848	0.021	ppbv#	89
21) Trichlorotrifluoroethane	6.284	101	1575	0.021	ppbv#	82
22) Trans-1,2-Dichloroethene	6.737	61	1010	0.020	ppbv#	80
23) 1,1-Dichloroethane	6.866	63	1397	0.023	ppbv	86
24) Methyl tert-butyl ethe...	6.915	73	1918	0.023	ppbv#	69
25) Methyl Ethyl Ketone	7.126	43	2610	0.036	ppbv#	75
26) Cis-1,2-Dichloroethene	7.402	61	886	0.018	ppbv#	53
27) Hexane	7.523	57	1090	0.023	ppbv#	93
28) Chloroform	7.588	83	1628	0.022	ppbv#	78
29) Ethyl acetate	0.000	61	0	0.000	ppbv	0
30) Tetrahydrofuran	7.864	42	984	0.029	ppbv#	47
31) 1,2-Dichloroethane	8.050	62	1164	0.023	ppbv	93
32) 1,1,1-Trichloroethane	8.221	97	1582	0.021	ppbv	90
33) Benzene	8.502	78	2568	0.026	ppbv#	90
34) Carbon Tetrachloride	8.588	117	1817	0.022	ppbv	94
35) Cyclohexane	8.675	84	2021	0.054	ppbv#	1
37) 1,2-dichloropropane	8.978	63	709	0.018	ppbv#	52
38) Bromodichloromethane	9.090	83	1762	0.022	ppbv	82
39) Trichloroethene	9.116	130	1089	0.022	ppbv	95
40) 2,2,4-trimethylpentane	9.116	57	3499	0.022	ppbv	91
41) 1,4-Dioxane	9.116	88	266	0.012	ppbv#	78
43) Heptane	9.246	43	1619	0.026	ppbv#	92
44) cis-1,3-Dichloropropene	9.589	75	1171	0.019	ppbv	85
45) 4-Methyl-2-pentanone(M...	9.610	43	2453	0.028	ppbv#	74
46) trans-1,3-Dichloropropene	9.870	75	1101	0.022	ppbv#	67
47) 1,1,2-Trichloroethane	9.990	97	1018	0.023	ppbv	90
48) Toluene	10.159	91	2829	0.023	ppbv#	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\0114\14\
 Data File : 0114_04.D
 Acq On : 14 Jan 2025 11:14 am
 Operator : Keith
 Client ID : ICAL 0.02
 Lab ID : 0.02 (80cc -1) ; T01511
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 14 16:36:46 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	1529	0.017	ppbv	88
50) 2-Hexanone(MBK)	10.243	43	131	0.002	ppbv#	38
51) 1,2-Dibromoethane(EDB)	10.553	107	1435	0.019	ppbv	83
52) Tetrachloroethene	10.799	166	2089	0.030	ppbv#	83
54) 1,1,1,2-Tetrachloroethane	11.155	131	1163	0.022	ppbv#	78
55) Chlorobenzene	11.170	112	1879	0.021	ppbv#	1
56) Ethylbenzene	11.367	91	3547	0.025	ppbv	91
57) m,p-Xylene	11.458	91	6127	0.057	ppbv#	90
58) Bromoform	11.534	173	1235	0.016	ppbv	90
59) Styrene	11.663	104	1543	0.020	ppbv	98
60) 1,1,2,2-Tetrachloroethane	11.723	83	1943	0.023	ppbv	93
61) o-Xylene	11.723	91	2988	0.026	ppbv#	92
64) Isopropylbenzene	12.049	105	3789	0.024	ppbv	93
66) 4-Ethyltoluene	12.416	105	3142	0.020	ppbv#	90
67) 1,3,5-Trimethylbenzene	12.455	105	3740	0.029	ppbv	90
68) 1,2,4-Trimethylbenzene	12.703	105	2486	0.019	ppbv#	89
70) Benzyl chloride	12.805	91	401	0.005	ppbv#	58
71) 1,3-Dichlorobenzene	12.828	146	1267	0.016	ppbv	96
72) 1,4-Dichlorobenzene	12.867	146	908	0.013	ppbv#	48
73) sec-Butylbenzene	12.875	105	4539	0.023	ppbv#	89
74) 4-Isopropyltoluene	12.960	119	4691	0.026	ppbv#	89
75) 1,2-Dichlorobenzene	13.084	146	1134	0.014	ppbv#	87
76) n-Butylbenzene	13.224	91	1921	0.014	ppbv	89
78) Naphthalene	14.391	128	854	0.006	ppbv#	70
79) Hexachlorobutadiene	14.632	225	2026	0.025	ppbv	94
81] 1,2-Dichlorotetrafluor...	4.388	85	2096m	0.021	ppbv	88
82] Vinyl Chloride(sim)	4.496	62	815m	0.021	ppbv	98
83] Bromomethane(sim)	4.853	94	855m	0.021	ppbv	54
84] Trichlorofluoromethane...	5.581	101	2055	0.020	ppbv#	97
85] 1,2-Dichloroethane(sim)	8.053	62	1150m	0.021	ppbv	93
86] 1,1,1-Trichloroethane(...	8.224	97	1645	0.020	ppbv#	97
87] Benzene(sim)	8.496	78	2599m	0.025	ppbv	90
88] Carbon Tetrachloride(sim)	8.591	117	1579	0.020	ppbv	99
89] 1,1-Dichloroethene(sim)	6.031	61	1392m	0.023	ppbv	82
90] Trichlorotrifluoroetha...	6.287	101	1615	0.020	ppbv#	95
91] Trans-1,2-Dichloroethe...	6.740	61	1287m	0.023	ppbv	80
92] 1,1-Dichloroethane(sim)	6.869	63	1374m	0.020	ppbv	91
93] Cis-1,2-Dichloroethene...	7.405	61	1180m	0.022	ppbv	53
94] Chloroform(sim)	7.583	83	1619	0.020	ppbv#	90
96] 1,2-dichloropropane(sim)	8.972	63	964	0.022	ppbv#	88
97] Bromodichloromethane(sim)	9.084	83	1731m	0.021	ppbv	84
98] Trichloroethene(sim)	9.110	130	1093	0.020	ppbv	88
99] 1,4-Dioxane(sim)	9.119	88	486m	0.022	ppbv	78
100] cis-1,3-Dichloropropen...	9.592	75	1269	0.020	ppbv	98
101] 1,1,2-Trichloroethane(...	9.993	97	966m	0.021	ppbv	90
102] Dibromochloromethane(sim)	10.408	129	1649	0.019	ppbv	93
103] 1,2-Dibromoethane(EDB)...	10.549	107	1578m	0.020	ppbv	83
104] Tetrachloroethene(sim)	10.795	166	1978	0.024	ppbv	99
106] Bromoform(sim)	11.537	173	1370	0.019	ppbv	97
107] m,p-Xylene(sim)	11.453	91	6273m	0.048	ppbv	90
108] 1,1,2,2-Tetrachloroeth...	11.719	83	1842	0.020	ppbv	97
111] Benzyl chloride(sim)	12.807	91	563m	0.012	ppbv	58
112] 1,3-Dichlorobenzene(sim)	12.823	146	1362	0.018	ppbv	98
113] 1,4-Dichlorobenzene(sim)	12.862	146	1025m	0.017	ppbv	48
114] sec-Butylbenzene(sim)	12.870	105	4532	0.020	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_04.D
Acq On : 14 Jan 2025 11:14 am
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02 (80cc -1) ; T01511
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 14 16:36:46 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration

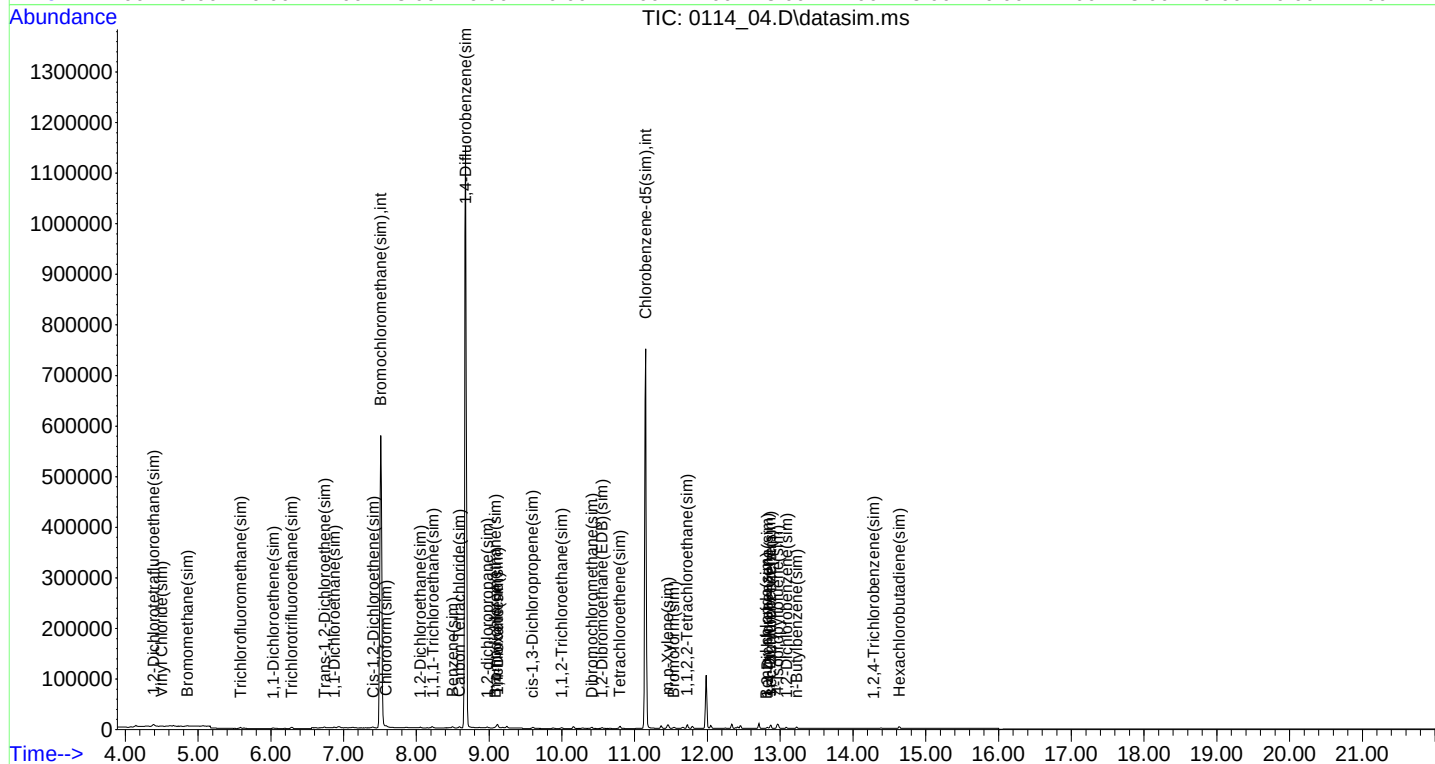
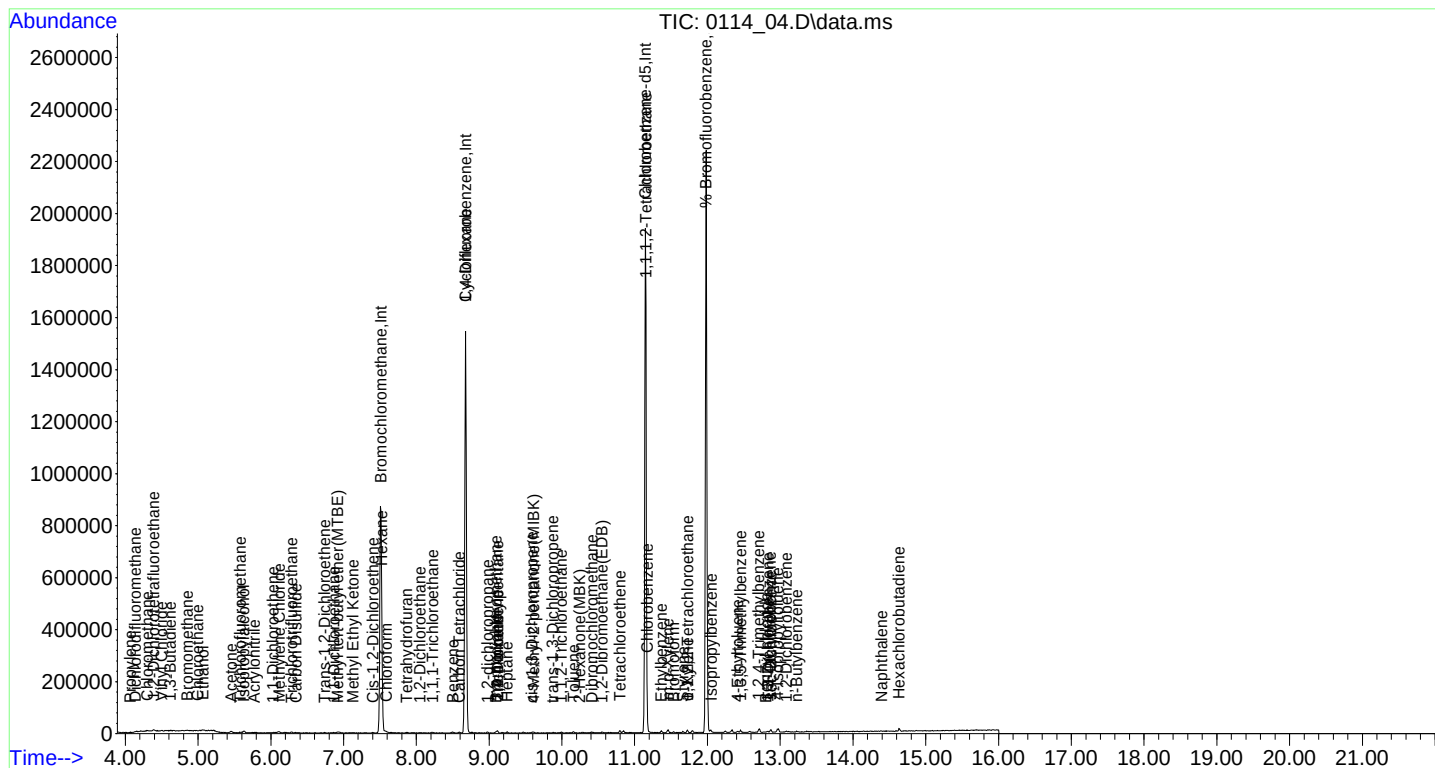
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
115]	4-Isopropyltoluene(sim)	12.963	119	5045m	0.027	ppbv	89
116]	1,2-Dichlorobenzene(sim)	13.087	146	1408	0.018	ppbv	96
117]	n-Butylbenzene(sim)	13.227	91	1777m	0.016	ppbv	89
118]	1,2,4-Trichlorobenzene...	14.285	180	356	0.034	ppbv	96
119]	Hexachlorobutadiene(sim)	14.634	225	1952m	0.022	ppbv	82

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_04.D
Acq On : 14 Jan 2025 11:14 am
Operator : Keith
Client ID : ICAI 0.02
Lab ID : 0.02 (80cc -1) ; T01511
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 14 16:36:46 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_05.D
 Acq On : 14 Jan 2025 11:52 am
 Operator : Keith
 Client ID : ICAL 0.035
 Lab ID : 0.035 (140cc -1) ; T01511
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 14 16:39:26 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	299487	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	1018463	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	476172	10.000	ng	0.00
80) Bromochloromethane(sim)	7.510	130	299777	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	1018463	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	476323	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.981	95	578004	9.380	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	93.80%

Target Compounds

					Qvalue	
2) Propylene	4.062	41	2800	0.103	ppbv#	83
3) Dichlorodifluoromethane	4.137	85	3439	0.038	ppbv#	88
4) Chloromethane	4.294	50	2198	0.066	ppbv	91
5) 1,2-Dichlorotetrafluor...	4.386	85	3363	0.036	ppbv#	77
6) Vinyl Chloride	4.502	62	1810	0.053	ppbv	90
7) 1,3-Butadiene	4.626	54	1463	0.054	ppbv#	72
8) Bromomethane	4.858	94	2753	0.077	ppbv#	57
9) Chloroethane	4.991	64	630	0.042	ppbv#	7
11) Ethanol	5.074	45	3996	0.243	ppbv#	77
12) Acetone	5.449	43	9165	0.164	ppbv#	88
13) Trichlorofluoromethane	5.578	101	3532	0.036	ppbv#	96
14) Isopropylalcohol	5.627	45	14311	0.221	ppbv#	77
15) Acrylonitrile	5.778	53	1084	0.047	ppbv#	84
16) 1,1-Dichloroethene	6.034	61	2244	0.041	ppbv	94
17) Methylene Chloride	6.112	49	3301	0.075	ppbv#	87
20) Carbon Disulfide	6.350	76	3540	0.040	ppbv#	83
21) Trichlorotrifluoroethane	6.290	101	2598	0.035	ppbv#	94
22) Trans-1,2-Dichloroethene	6.729	61	2028	0.040	ppbv#	87
23) 1,1-Dichloroethane	6.867	63	2581	0.042	ppbv	78
24) Methyl tert-butyl ethe...	6.915	73	3826	0.045	ppbv#	92
25) Methyl Ethyl Ketone	7.118	43	3571	0.050	ppbv#	96
26) Cis-1,2-Dichloroethene	7.402	61	1641	0.034	ppbv#	72
27) Hexane	7.523	57	1919	0.041	ppbv#	48
28) Chloroform	7.580	83	2741	0.038	ppbv	87
29) Ethyl acetate	7.523	61	294	0.027	ppbv#	85
30) Tetrahydrofuran	7.864	42	2031	0.061	ppbv#	74
31) 1,2-Dichloroethane	8.059	62	1702	0.033	ppbv#	70
32) 1,1,1-Trichloroethane	8.221	97	2932	0.039	ppbv	86
33) Benzene	8.502	78	3870	0.040	ppbv#	91
34) Carbon Tetrachloride	8.597	117	2883	0.035	ppbv	92
35) Cyclohexane	8.675	84	2587	0.069	ppbv#	16
37) 1,2-dichloropropane	8.978	63	1722	0.043	ppbv#	77
38) Bromodichloromethane	9.090	83	2729	0.035	ppbv	90
39) Trichloroethene	9.108	130	1828	0.037	ppbv	90
40) 2,2,4-trimethylpentane	9.116	57	5686	0.037	ppbv#	88
41) 1,4-Dioxane	9.125	88	511	0.024	ppbv#	41
43) Heptane	9.246	43	2835	0.046	ppbv#	88
44) cis-1,3-Dichloropropene	9.596	75	2013	0.033	ppbv	85
45) 4-Methyl-2-pentanone(M...	9.610	43	3516	0.042	ppbv#	89
46) trans-1,3-Dichloropropene	9.885	75	1679	0.034	ppbv#	88
47) 1,1,2-Trichloroethane	9.997	97	1677	0.039	ppbv	97
48) Toluene	10.159	91	4839	0.040	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\0114\14\
 Data File : 0114_05.D
 Acq On : 14 Jan 2025 11:52 am
 Operator : Keith
 Client ID : ICAL 0.035
 Lab ID : 0.035 (140cc -1) ; T01511
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 14 16:39:26 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.405	129	2748	0.032	ppbv	98
50) 2-Hexanone(MBK)	10.286	43	2662	0.036	ppbv#	72
51) 1,2-Dibromoethane(EDB)	10.553	107	2489	0.034	ppbv	91
52) Tetrachloroethene	10.793	166	2869	0.042	ppbv	92
54) 1,1,1,2-Tetrachloroethane	11.155	131	2123	0.040	ppbv	93
55) Chlorobenzene	11.178	112	3754	0.041	ppbv#	1
56) Ethylbenzene	11.360	91	5996	0.042	ppbv	89
57) m,p-Xylene	11.458	91	9748	0.091	ppbv	97
58) Bromoform	11.542	173	2316	0.030	ppbv	98
59) Styrene	11.663	104	2355	0.031	ppbv#	79
60) 1,1,2,2-Tetrachloroethane	11.723	83	3018	0.036	ppbv	93
61) o-Xylene	11.723	91	5521	0.048	ppbv	93
64) Isopropylbenzene	12.042	105	6521	0.041	ppbv#	93
66) 4-Ethyltoluene	12.416	105	5650	0.037	ppbv	97
67) 1,3,5-Trimethylbenzene	12.455	105	6452	0.051	ppbv	95
68) 1,2,4-Trimethylbenzene	12.711	105	4078	0.031	ppbv#	88
70) Benzyl chloride	12.797	91	965	0.011	ppbv#	58
71) 1,3-Dichlorobenzene	12.828	146	1930	0.024	ppbv#	85
72) 1,4-Dichlorobenzene	12.859	146	1846	0.026	ppbv#	93
73) sec-Butylbenzene	12.875	105	7432	0.038	ppbv#	96
74) 4-Isopropyltoluene	12.960	119	8370	0.047	ppbv	96
75) 1,2-Dichlorobenzene	13.085	146	2181	0.028	ppbv	88
76) n-Butylbenzene	13.225	91	3312	0.025	ppbv	94
78) Naphthalene	14.383	128	1406	0.011	ppbv#	70
79) Hexachlorobutadiene	14.640	225	2666	0.033	ppbv	95
81] 1,2-Dichlorotetrafluor...	4.388	85	3724m	0.038	ppbv	77
82] Vinyl Chloride(sim)	4.496	62	1358	0.036	ppbv	92
83] Bromomethane(sim)	4.853	94	1444m	0.036	ppbv	55
84] Trichlorofluoromethane...	5.581	101	3518	0.034	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.053	62	1925m	0.036	ppbv	70
86] 1,1,1-Trichloroethane(...	8.224	97	2761	0.034	ppbv#	97
87] Benzene(sim)	8.496	78	4170m	0.040	ppbv	91
88] Carbon Tetrachloride(sim)	8.591	117	2713	0.034	ppbv	99
89] 1,1-Dichloroethene(sim)	6.031	61	2324m	0.039	ppbv	94
90] Trichlorotrifluoroetha...	6.287	101	2729	0.034	ppbv#	96
91] Trans-1,2-Dichloroethe...	6.740	61	1951m	0.036	ppbv	87
92] 1,1-Dichloroethane(sim)	6.869	63	2406	0.036	ppbv#	91
93] Cis-1,2-Dichloroethene...	7.405	61	2014m	0.038	ppbv	72
94] Chloroform(sim)	7.583	83	2738	0.035	ppbv#	94
96] 1,2-dichloropropane(sim)	8.972	63	1563	0.036	ppbv#	85
97] Bromodichloromethane(sim)	9.085	83	2858m	0.036	ppbv	92
98] Trichloroethene(sim)	9.110	130	1926	0.036	ppbv	93
99] 1,4-Dioxane(sim)	9.119	88	708m	0.033	ppbv	41
100] cis-1,3-Dichloropropen...	9.592	75	2166	0.034	ppbv	97
101] 1,1,2-Trichloroethane(...	9.993	97	1657m	0.037	ppbv	97
102] Dibromochloromethane(sim)	10.408	129	2882	0.034	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.549	107	2797m	0.037	ppbv	91
104] Tetrachloroethene(sim)	10.795	166	3258	0.041	ppbv	100
106] Bromoform(sim)	11.537	173	2321	0.033	ppbv	97
107] m,p-Xylene(sim)	11.458	91	9748	0.075	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.719	83	3153	0.034	ppbv	97
111] Benzyl chloride(sim)	12.808	91	936m	0.021	ppbv	58
112] 1,3-Dichlorobenzene(sim)	12.823	146	2120	0.028	ppbv	92
113] 1,4-Dichlorobenzene(sim)	12.862	146	1762m	0.030	ppbv	93
114] sec-Butylbenzene(sim)	12.870	105	7649	0.033	ppbv	98

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_05.D
Acq On : 14 Jan 2025 11:52 am
Operator : Keith
Client ID : ICAL 0.035
Lab ID : 0.035 (140cc -1) ; T01511
ALS Vial : 5 Sample Multiplier: 1

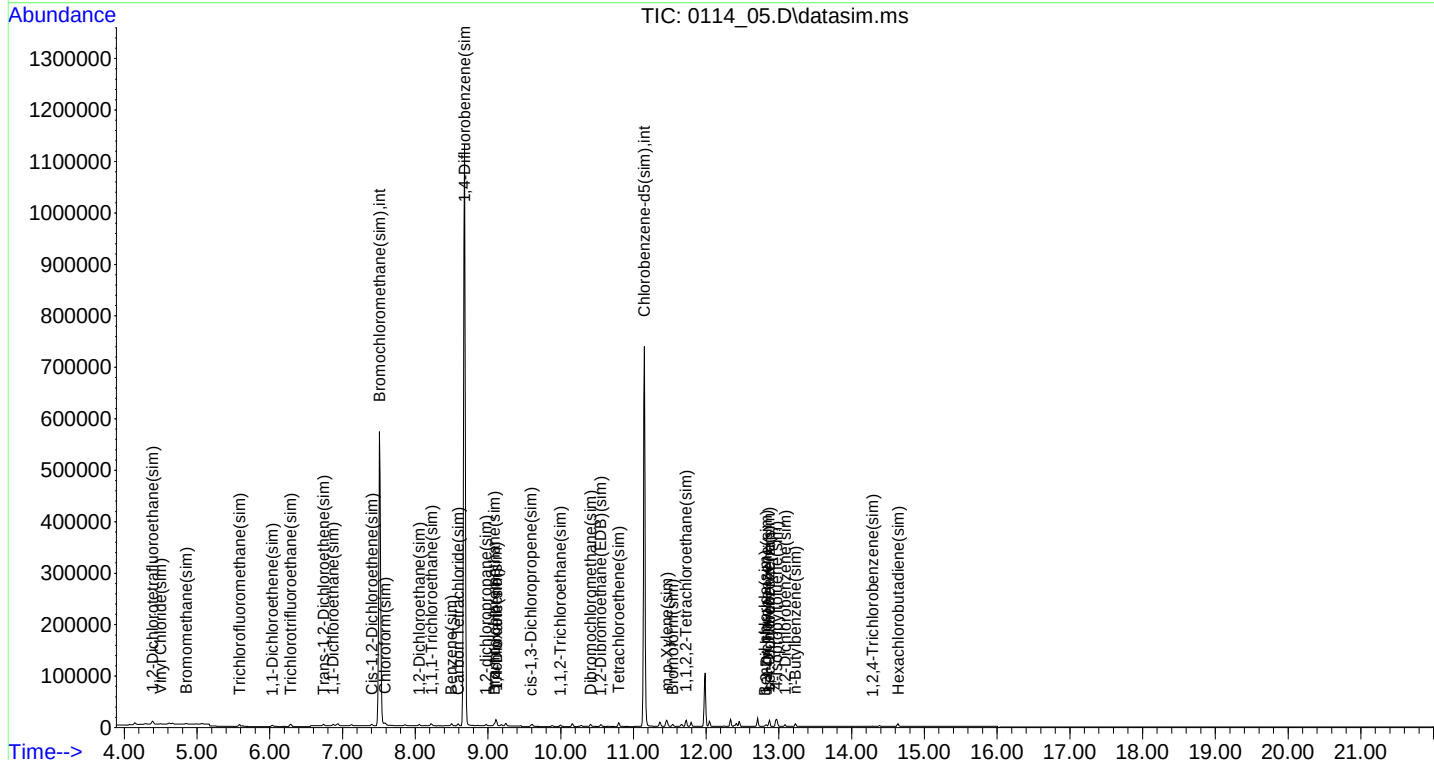
Quant Time: Jan 14 16:39:26 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
115]	4-Isopropyltoluene(sim)	12.960	119	8370	0.045	ppbv	96
116]	1,2-Dichlorobenzene(sim)	13.088	146	2393	0.030	ppbv	96
117]	n-Butylbenzene(sim)	13.225	91	3312	0.030	ppbv	94
118]	1,2,4-Trichlorobenzene...	14.285	180	385	0.037	ppbv	94
119]	Hexachlorobutadiene(sim)	14.640	225	2666	0.030	ppbv	95

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_05.D
Acq On : 14 Jan 2025 11:52 am
Operator : Keith
Client ID : ICAI 0.035
Lab ID : 0.035 (140cc -1) ; T01511
ALS Vial : 5 Sample Multiplier: 1

Chromatogram showing Abundance vs Time (min) with various chemical compounds labeled. The x-axis ranges from 4.00 to 21.00 minutes, and the y-axis ranges from 0 to 2,400,000 abundance. Major peaks are labeled with compound names such as Bromochloromethane, 1,1,2,2-Tetrachloroethane, and 1,1,1,2-Tetrachloroethane.



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_06.D
 Acq On : 14 Jan 2025 12:30 pm
 Operator : Keith
 Client ID : ICAL 0.05
 Lab ID : 0.05 ppb ; T01511
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 14 16:40:04 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	289395	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	1007884	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	463822	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	292609	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	1007884	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	463822	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	564687	9.408	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	94.10%

Target Compounds				Qvalue		
2) Propylene	4.079	41	2749	0.105	ppbv#	83
3) Dichlorodifluoromethane	4.145	85	4876	0.055	ppbv#	83
4) Chloromethane	4.294	50	2965	0.093	ppbv	73
5) 1,2-Dichlorotetrafluor...	4.385	85	5064	0.057	ppbv#	80
6) Vinyl Chloride	4.501	62	2085	0.064	ppbv	84
7) 1,3-Butadiene	4.626	54	1952	0.075	ppbv#	62
8) Bromomethane	4.850	94	2602	0.075	ppbv#	76
9) Chloroethane	4.991	64	907	0.063	ppbv#	56
11) Ethanol	5.074	45	4468	0.281	ppbv#	90
12) Acetone	5.455	43	12753	0.237	ppbv	92
13) Trichlorofluoromethane	5.584	101	4964	0.053	ppbv#	97
14) Isopropylalcohol	5.627	45	17868	0.286	ppbv#	59
15) Acrylonitrile	5.784	53	1361	0.061	ppbv	86
16) 1,1-Dichloroethene	6.034	61	2957	0.056	ppbv	91
17) Methylene Chloride	6.112	49	4083	0.096	ppbv	91
20) Carbon Disulfide	6.344	76	4617	0.054	ppbv#	95
21) Trichlorotrifluoroethane	6.284	101	3872	0.055	ppbv	90
22) Trans-1,2-Dichloroethene	6.745	61	2686	0.055	ppbv#	83
23) 1,1-Dichloroethane	6.874	63	3093	0.052	ppbv	91
24) Methyl tert-butyl ethe...	6.915	73	4954	0.061	ppbv#	79
25) Methyl Ethyl Ketone	7.118	43	5073	0.074	ppbv#	92
26) Cis-1,2-Dichloroethene	7.402	61	2865	0.062	ppbv#	84
27) Hexane	7.523	57	2695	0.059	ppbv#	78
28) Chloroform	7.588	83	4010	0.057	ppbv	88
29) Ethyl acetate	7.515	61	487	0.046	ppbv#	94
30) Tetrahydrofuran	7.864	42	1951	0.060	ppbv#	75
31) 1,2-Dichloroethane	8.058	62	2686	0.054	ppbv#	81
32) 1,1,1-Trichloroethane	8.221	97	3803	0.052	ppbv	95
33) Benzene	8.502	78	5751	0.061	ppbv#	95
34) Carbon Tetrachloride	8.588	117	3877	0.049	ppbv	98
35) Cyclohexane	8.675	84	3160	0.088	ppbv#	38
37) 1,2-dichloropropane	8.978	63	2303	0.059	ppbv#	79
38) Bromodichloromethane	9.090	83	3629	0.047	ppbv	94
39) Trichloroethene	9.116	130	2582	0.053	ppbv	94
40) 2,2,4-trimethylpentane	9.116	57	7398	0.049	ppbv#	84
41) 1,4-Dioxane	9.116	88	1067	0.050	ppbv#	86
43) Heptane	9.246	43	4028	0.066	ppbv#	87
44) cis-1,3-Dichloropropene	9.596	75	2829	0.047	ppbv	97
45) 4-Methyl-2-pentanone(M...	9.610	43	4587	0.055	ppbv#	92
46) trans-1,3-Dichloropropene	9.884	75	2249	0.047	ppbv	97
47) 1,1,2-Trichloroethane	9.997	97	2120	0.050	ppbv	88
48) Toluene	10.159	91	6837	0.057	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_06.D
 Acq On : 14 Jan 2025 12:30 pm
 Operator : Keith
 Client ID : ICAL 0.05
 Lab ID : 0.05 ppb ; T01511
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 14 16:40:04 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.405	129	4068	0.047	ppbv	98
50) 2-Hexanone(MBK)	10.286	43	4026	0.055	ppbv#	75
51) 1,2-Dibromoethane(EDB)	10.553	107	3677	0.050	ppbv	100
52) Tetrachloroethene	10.799	166	4320	0.065	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.162	131	2801	0.055	ppbv	93
55) Chlorobenzene	11.177	112	4609	0.052	ppbv#	1
56) Ethylbenzene	11.367	91	8135	0.059	ppbv	96
57) m,p-Xylene	11.458	91	13822	0.133	ppbv	98
58) Bromoform	11.534	173	3409	0.046	ppbv	99
59) Styrene	11.663	104	3425	0.046	ppbv#	85
60) 1,1,2,2-Tetrachloroethane	11.723	83	3885	0.048	ppbv#	89
61) o-Xylene	11.723	91	7029	0.063	ppbv	98
64) Isopropylbenzene	12.049	105	9415	0.061	ppbv	98
66) 4-Ethyltoluene	12.416	105	8056	0.054	ppbv#	87
67) 1,3,5-Trimethylbenzene	12.455	105	7717	0.063	ppbv#	90
68) 1,2,4-Trimethylbenzene	12.711	105	4977	0.039	ppbv#	83
70) Benzyl chloride	12.805	91	1203	0.014	ppbv#	58
71) 1,3-Dichlorobenzene	12.828	146	2534	0.033	ppbv#	78
72) 1,4-Dichlorobenzene	12.867	146	2172	0.031	ppbv	97
73) sec-Butylbenzene	12.874	105	9679	0.051	ppbv#	97
74) 4-Isopropyltoluene	12.960	119	10633	0.061	ppbv#	91
75) 1,2-Dichlorobenzene	13.084	146	2770	0.037	ppbv	90
76) n-Butylbenzene	13.224	91	4009	0.031	ppbv	91
78) Naphthalene	14.390	128	1424	0.011	ppbv#	81
79) Hexachlorobutadiene	14.639	225	4072	0.053	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.385	85	5064	0.052	ppbv#	80
82] Vinyl Chloride(sim)	4.496	62	1948	0.052	ppbv	95
83] Bromomethane(sim)	4.853	94	1880m	0.048	ppbv	76
84] Trichlorofluoromethane...	5.581	101	5099	0.051	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.058	62	2686	0.051	ppbv#	81
86] 1,1,1-Trichloroethane(...	8.224	97	4027	0.051	ppbv#	99
87] Benzene(sim)	8.502	78	5751	0.057	ppbv#	95
88] Carbon Tetrachloride(sim)	8.591	117	3908	0.050	ppbv	98
89] 1,1-Dichloroethene(sim)	6.034	61	2957	0.051	ppbv	91
90] Trichlorotrifluoroetha...	6.287	101	3970	0.051	ppbv#	96
91] Trans-1,2-Dichloroethe...	6.745	61	2686	0.050	ppbv#	83
92] 1,1-Dichloroethane(sim)	6.869	63	3320	0.050	ppbv#	94
93] Cis-1,2-Dichloroethene...	7.402	61	2865	0.056	ppbv#	84
94] Chloroform(sim)	7.591	83	3922	0.051	ppbv#	92
96] 1,2-dichloropropane(sim)	8.972	63	2172	0.050	ppbv#	82
97] Bromodichloromethane(sim)	9.090	83	3629	0.046	ppbv	93
98] Trichloroethene(sim)	9.110	130	2619	0.050	ppbv	92
99] 1,4-Dioxane(sim)	9.119	88	1008m	0.048	ppbv	86
100] cis-1,3-Dichloropropen...	9.592	75	2989	0.048	ppbv	96
101] 1,1,2-Trichloroethane(...	9.997	97	2120	0.048	ppbv	88
102] Dibromochloromethane(sim)	10.408	129	4062	0.049	ppbv	97
103] 1,2-Dibromoethane(EDB)...	10.553	107	3677	0.049	ppbv	100
104] Tetrachloroethene(sim)	10.802	166	4412	0.056	ppbv	99
106] Bromoform(sim)	11.537	173	3352	0.049	ppbv	100
107] m,p-Xylene(sim)	11.458	91	13822	0.109	ppbv	98
108] 1,1,2,2-Tetrachloroeth...	11.719	83	4292	0.047	ppbv	99
111] Benzyl chloride(sim)	12.805	91	1203	0.027	ppbv#	58
112] 1,3-Dichlorobenzene(sim)	12.823	146	2792	0.038	ppbv	96
113] 1,4-Dichlorobenzene(sim)	12.867	146	2172	0.038	ppbv	97
114] sec-Butylbenzene(sim)	12.870	105	10522	0.047	ppbv	97

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_06.D
Acq On : 14 Jan 2025 12:30 pm
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05 ppb ; T01511
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 14 16:40:04 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration

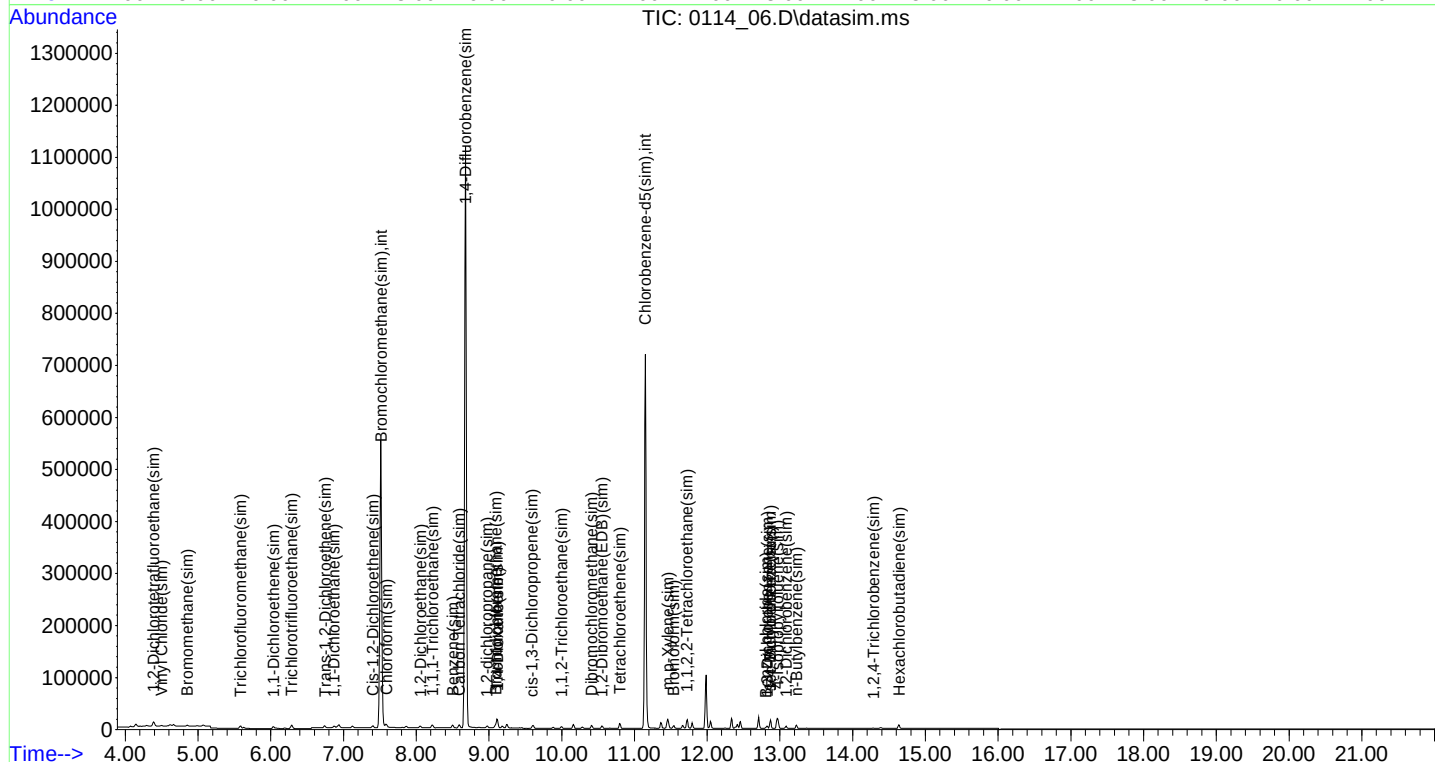
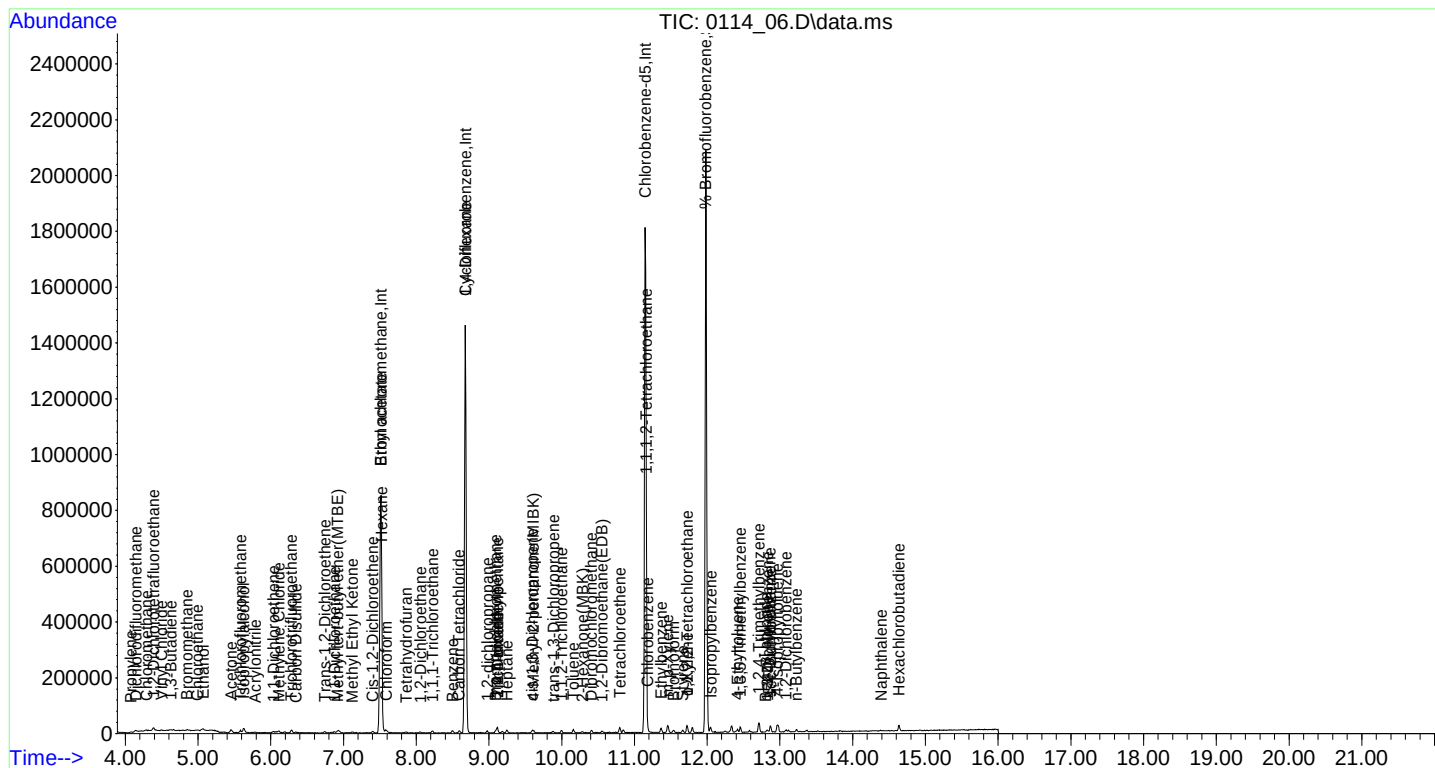
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
115]	4-Isopropyltoluene(sim)	12.960	119	10633	0.059	ppbv#	91
116]	1,2-Dichlorobenzene(sim)	13.087	146	3043	0.039	ppbv	98
117]	n-Butylbenzene(sim)	13.224	91	4009	0.037	ppbv	91
118]	1,2,4-Trichlorobenzene...	14.285	180	380	0.037	ppbv	93
119]	Hexachlorobutadiene(sim)	14.639	225	3890	0.045	ppbv#	84

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_06.D
Acq On : 14 Jan 2025 12:30 pm
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05 ppb ; T01511
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 14 16:40:04 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_07.D
 Acq On : 14 Jan 2025 1:04 pm
 Operator : Keith
 Client ID : ICAL 0.1
 Lab ID : 0.10 ppb ; T01511
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 14 16:40:34 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	291583	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	1008634	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	468978	10.000	ng	0.00
80) Bromochloromethane(sim)	7.510	130	293515	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	1008634	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	468978	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.981	95	570548	9.401	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	94.00%	

Target Compounds

					Qvalue	
2) Propylene	4.079	41	3166	0.120	ppbv#	67
3) Dichlorodifluoromethane	4.145	85	10282	0.116	ppbv#	91
4) Chloromethane	4.294	50	4853	0.150	ppbv	85
5) 1,2-Dichlorotetrafluor...	4.386	85	10147	0.113	ppbv#	85
6) Vinyl Chloride	4.493	62	4419	0.134	ppbv	77
7) 1,3-Butadiene	4.618	54	3633	0.138	ppbv#	82
8) Bromomethane	4.850	94	5541	0.159	ppbv#	78
9) Chloroethane	4.991	64	1947	0.133	ppbv#	78
11) Ethanol	5.065	45	4132	0.258	ppbv	92
12) Acetone	5.449	43	7905	0.146	ppbv#	87
13) Trichlorofluoromethane	5.578	101	10342	0.109	ppbv#	98
14) Isopropylalcohol	5.633	45	7219	0.115	ppbv#	41
15) Acrylonitrile	5.772	53	2820	0.125	ppbv	93
16) 1,1-Dichloroethene	6.034	61	5980	0.112	ppbv	93
17) Methylene Chloride	6.106	49	6376	0.149	ppbv	90
20) Carbon Disulfide	6.344	76	9748	0.114	ppbv	98
21) Trichlorotrifluoroethane	6.284	101	8533	0.119	ppbv	89
22) Trans-1,2-Dichloroethene	6.737	61	5945	0.120	ppbv	94
23) 1,1-Dichloroethane	6.875	63	6811	0.114	ppbv	92
24) Methyl tert-butyl ethe...	6.915	73	9997	0.122	ppbv	94
25) Methyl Ethyl Ketone	7.118	43	8289	0.120	ppbv#	88
26) Cis-1,2-Dichloroethene	7.402	61	5713	0.122	ppbv	95
27) Hexane	7.523	57	5010	0.109	ppbv#	53
28) Chloroform	7.580	83	7924	0.113	ppbv	90
29) Ethyl acetate	7.515	61	1313	0.122	ppbv#	81
30) Tetrahydrofuran	7.856	42	3948	0.121	ppbv#	84
31) 1,2-Dichloroethane	8.051	62	5654	0.113	ppbv	94
32) 1,1,1-Trichloroethane	8.221	97	7983	0.108	ppbv	94
33) Benzene	8.502	78	10627	0.112	ppbv	93
34) Carbon Tetrachloride	8.588	117	7956	0.100	ppbv	97
35) Cyclohexane	8.675	84	5002	0.138	ppbv#	61
37) 1,2-dichloropropane	8.978	63	4344	0.111	ppbv#	75
38) Bromodichloromethane	9.090	83	8419	0.109	ppbv	97
39) Trichloroethene	9.108	130	5473	0.113	ppbv	92
40) 2,2,4-trimethylpentane	9.116	57	16577	0.109	ppbv#	92
41) 1,4-Dioxane	9.116	88	2227	0.105	ppbv#	91
43) Heptane	9.246	43	7280	0.119	ppbv#	93
44) cis-1,3-Dichloropropene	9.589	75	6078	0.102	ppbv	92
45) 4-Methyl-2-pentanone(M...	9.610	43	9010	0.108	ppbv#	95
46) trans-1,3-Dichloropropene	9.877	75	4457	0.092	ppbv	96
47) 1,1,2-Trichloroethane	9.997	97	4878	0.114	ppbv	97
48) Toluene	10.159	91	13913	0.116	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\0114\14\
 Data File : 0114_07.D
 Acq On : 14 Jan 2025 1:04 pm
 Operator : Keith
 Client ID : ICAL 0.1
 Lab ID : 0.10 ppb ; T01511
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 14 16:40:34 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.405	129	9046	0.105	ppbv	97
50) 2-Hexanone(MBK)	10.279	43	6888	0.095	ppbv#	88
51) 1,2-Dibromoethane(EDB)	10.553	107	7677	0.104	ppbv	95
52) Tetrachloroethene	10.800	166	7655	0.114	ppbv	99
54) 1,1,1,2-Tetrachloroethane	11.162	131	5905	0.114	ppbv	99
55) Chlorobenzene	11.170	112	11506	0.129	ppbv#	37
56) Ethylbenzene	11.367	91	16039	0.114	ppbv	95
57) m, p-Xylene	11.458	91	23868	0.226	ppbv	96
58) Bromoform	11.534	173	7338	0.098	ppbv	96
59) Styrene	11.663	104	7604	0.101	ppbv	97
60) 1,1,2,2-Tetrachloroethane	11.723	83	9388	0.114	ppbv	94
61) o-Xylene	11.723	91	12584	0.111	ppbv	98
64) Isopropylbenzene	12.042	105	18368	0.117	ppbv	96
66) 4-Ethyltoluene	12.416	105	15453	0.103	ppbv	91
67) 1,3,5-Trimethylbenzene	12.455	105	13588	0.109	ppbv#	95
68) 1,2,4-Trimethylbenzene	12.711	105	13178	0.102	ppbv#	95
70) Benzyl chloride	12.812	91	3130	0.036	ppbv#	90
71) 1,3-Dichlorobenzene	12.828	146	6117	0.078	ppbv	95
72) 1,4-Dichlorobenzene	12.867	146	5366	0.076	ppbv	93
73) sec-Butylbenzene	12.867	105	21525	0.112	ppbv#	97
74) 4-Isopropyltoluene	12.960	119	18568	0.106	ppbv	95
75) 1,2-Dichlorobenzene	13.085	146	6945	0.091	ppbv	96
76) n-Butylbenzene	13.225	91	9683	0.073	ppbv	97
77) 1,2,4-Trichlorobenzene	14.282	180	1209	0.026	ppbv#	89
78) Naphthalene	14.383	128	3181	0.024	ppbv#	84
79) Hexachlorobutadiene	14.632	225	7959	0.102	ppbv	95
81] 1,2-Dichlorotetrafluor...	4.386	85	10147	0.105	ppbv#	85
82] Vinyl Chloride(sim)	4.496	62	3908	0.105	ppbv	93
83] Bromomethane(sim)	4.850	94	5541	0.140	ppbv#	79
84] Trichlorofluoromethane...	5.581	101	10910	0.109	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.051	62	5654	0.107	ppbv	94
86] 1,1,1-Trichloroethane(...	8.216	97	8602	0.108	ppbv#	99
87] Benzene(sim)	8.502	78	10627	0.104	ppbv	93
88] Carbon Tetrachloride(sim)	8.591	117	8304	0.106	ppbv	98
89] 1,1-Dichloroethene(sim)	6.034	61	5980	0.102	ppbv	93
90] Trichlorotrifluoroetha...	6.287	101	8438	0.109	ppbv#	96
91] Trans-1,2-Dichloroethe...	6.737	61	5945	0.111	ppbv	94
92] 1,1-Dichloroethane(sim)	6.869	63	7143	0.108	ppbv	96
93] Cis-1,2-Dichloroethene...	7.402	61	5713	0.110	ppbv	95
94] Chloroform(sim)	7.583	83	8393	0.109	ppbv	97
96] 1,2-dichloropropane(sim)	8.972	63	4688	0.108	ppbv#	86
97] Bromodichloromethane(sim)	9.090	83	8419	0.107	ppbv	96
98] Trichloroethene(sim)	9.110	130	5526	0.105	ppbv	93
99] 1,4-Dioxane(sim)	9.116	88	2227	0.105	ppbv#	91
100] cis-1,3-Dichloropropen...	9.592	75	6486	0.104	ppbv	97
101] 1,1,2-Trichloroethane(...	9.997	97	4754	0.107	ppbv	95
102] Dibromochloromethane(sim)	10.408	129	8882	0.107	ppbv	100
103] 1,2-Dibromoethane(EDB)...	10.553	107	7677	0.103	ppbv	95
104] Tetrachloroethene(sim)	10.795	166	7756	0.098	ppbv	99
106] Bromoform(sim)	11.537	173	7139	0.102	ppbv	100
107] m, p-Xylene(sim)	11.458	91	23868	0.187	ppbv	96
108] 1,1,2,2-Tetrachloroeth...	11.719	83	9373	0.103	ppbv	97
111] Benzyl chloride(sim)	12.812	91	3130	0.069	ppbv	90
112] 1,3-Dichlorobenzene(sim)	12.823	146	6867	0.092	ppbv	97
113] 1,4-Dichlorobenzene(sim)	12.867	146	5366	0.092	ppbv	93

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_07.D
 Acq On : 14 Jan 2025 1:04 pm
 Operator : Keith
 Client ID : ICAL 0.1
 Lab ID : 0.10 ppb ; T01511
 ALS Vial : 7 Sample Multiplier: 1

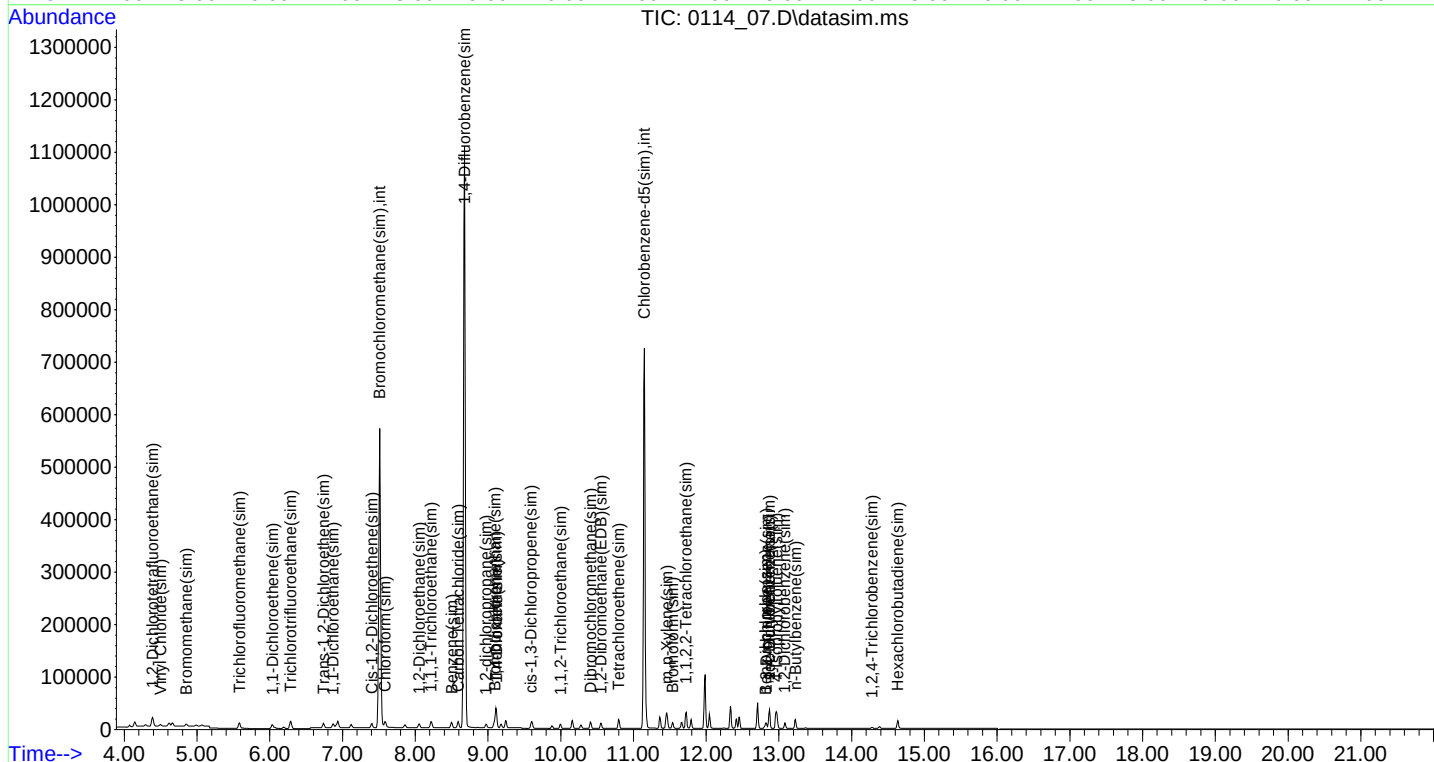
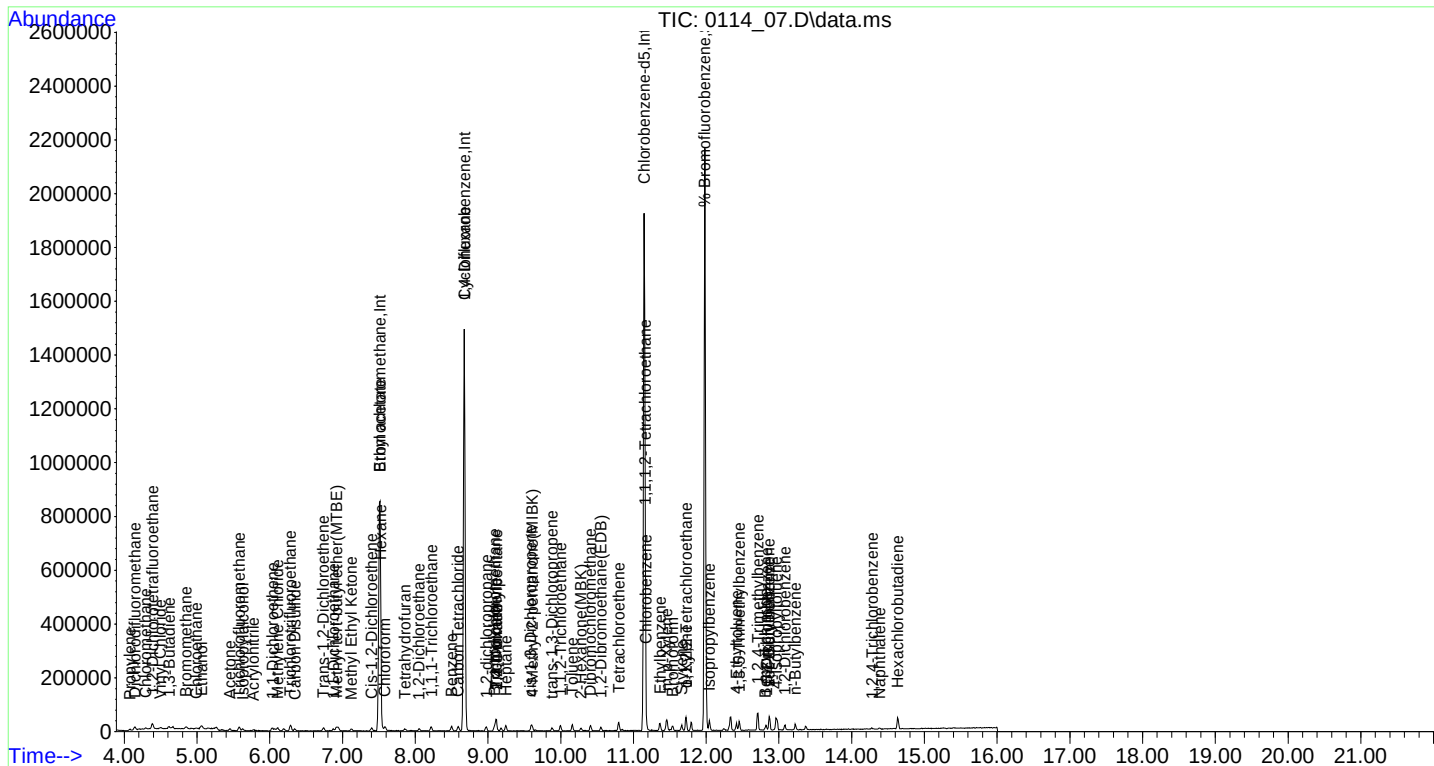
Quant Time: Jan 14 16:40:34 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	23201	0.102	ppbv	97
115]	4-Isopropyltoluene(sim)	12.960	119	18568	0.101	ppbv	95
116]	1,2-Dichlorobenzene(sim)	13.080	146	7342	0.094	ppbv	96
117]	n-Butylbenzene(sim)	13.225	91	9683	0.089	ppbv	97
118]	1,2,4-Trichlorobenzene...	14.277	180	1451	0.108	ppbv	95
119]	Hexachlorobutadiene(sim)	14.632	225	7606	0.087	ppbv	92

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_07.D
Acq On : 14 Jan 2025 1:04 pm
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10 ppb ; T01511
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 14 16:40:34 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_08.D
 Acq On : 14 Jan 2025 1:41 pm
 Operator : Keith
 Client ID : ICAL 0.2
 Lab ID : 0.20 ppb ; T01511
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 14 16:30:19 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	295475	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	1026113	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	473341	10.000	ng	0.00
80) Bromochloromethane(sim)	7.510	130	297237	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	1026113	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	473341	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	584955	9.549	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	95.50%	
Target Compounds						
					Qvalue	
2) Propylene	4.070	41	6978	0.261	ppbv	95
3) Dichlorodifluoromethane	4.145	85	18315	0.204	ppbv#	96
4) Chloromethane	4.294	50	7947	0.243	ppbv	91
5) 1,2-Dichlorotetrafluor...	4.385	85	19364	0.213	ppbv	86
6) Vinyl Chloride	4.493	62	7365	0.220	ppbv	86
7) 1,3-Butadiene	4.618	54	6242	0.235	ppbv#	89
8) Bromomethane	4.850	94	9076	0.256	ppbv	86
9) Chloroethane	4.991	64	3469	0.234	ppbv	79
11) Ethanol	5.074	45	4248	0.262	ppbv#	91
12) Acetone	5.449	43	13227	0.240	ppbv	93
13) Trichlorofluoromethane	5.578	101	19889	0.207	ppbv	98
14) Isopropylalcohol	5.621	45	13377	0.210	ppbv#	69
15) Acrylonitrile	5.784	53	4797	0.210	ppbv#	93
16) 1,1-Dichloroethene	6.034	61	11630	0.214	ppbv	93
17) Methylene Chloride	6.106	49	10955	0.253	ppbv	96
20) Carbon Disulfide	6.344	76	18222	0.211	ppbv	97
21) Trichlorotrifluoroethane	6.284	101	15587	0.215	ppbv	90
22) Trans-1,2-Dichloroethene	6.737	61	10687	0.213	ppbv	91
23) 1,1-Dichloroethane	6.866	63	12921	0.214	ppbv	97
24) Methyl tert-butyl ethe...	6.907	73	17718	0.213	ppbv	92
25) Methyl Ethyl Ketone	7.118	43	15619	0.222	ppbv	96
26) Cis-1,2-Dichloroethene	7.402	61	10261	0.217	ppbv	88
27) Hexane	7.523	57	9792	0.210	ppbv#	76
28) Chloroform	7.588	83	14389	0.202	ppbv	91
29) Ethyl acetate	7.515	61	2350	0.216	ppbv#	69
30) Tetrahydrofuran	7.856	42	6738	0.203	ppbv#	86
31) 1,2-Dichloroethane	8.059	62	10333	0.204	ppbv	90
32) 1,1,1-Trichloroethane	8.221	97	15451	0.206	ppbv	99
33) Benzene	8.502	78	20041	0.208	ppbv	97
34) Carbon Tetrachloride	8.588	117	15606	0.195	ppbv	99
35) Cyclohexane	8.666	84	8993	0.244	ppbv	90
37) 1,2-dichloropropane	8.978	63	8407	0.211	ppbv#	83
38) Bromodichloromethane	9.090	83	15375	0.196	ppbv	97
39) Trichloroethene	9.107	130	9911	0.201	ppbv	92
40) 2,2,4-trimethylpentane	9.116	57	32360	0.210	ppbv	95
41) 1,4-Dioxane	9.107	88	4470	0.207	ppbv	86
43) Heptane	9.246	43	13374	0.215	ppbv#	93
44) cis-1,3-Dichloropropene	9.589	75	11792	0.194	ppbv	97
45) 4-Methyl-2-pentanone(M...	9.603	43	16968	0.199	ppbv	96
46) trans-1,3-Dichloropropene	9.877	75	9335	0.190	ppbv	92
47) 1,1,2-Trichloroethane	9.997	97	9064	0.208	ppbv	97
48) Toluene	10.159	91	25387	0.208	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\0114\14\
 Data File : 0114_08.D
 Acq On : 14 Jan 2025 1:41 pm
 Operator : Keith
 Client ID : ICAL 0.2
 Lab ID : 0.20 ppb ; T01511
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 14 16:30:19 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	16235	0.185	ppbv	98
50) 2-Hexanone(MBK)	10.279	43	12387	0.168	ppbv	92
51) 1,2-Dibromoethane(EDB)	10.553	107	15141	0.202	ppbv	94
52) Tetrachloroethene	10.800	166	14501	0.213	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.155	131	11431	0.218	ppbv	99
55) Chlorobenzene	11.177	112	20396	0.227	ppbv#	65
56) Ethylbenzene	11.367	91	30202	0.213	ppbv	97
57) m, p-Xylene	11.458	91	46430	0.436	ppbv	98
58) Bromoform	11.541	173	14530	0.192	ppbv	98
59) Styrene	11.663	104	15007	0.197	ppbv	96
60) 1,1,2,2-Tetrachloroethane	11.723	83	17221	0.207	ppbv	96
61) o-Xylene	11.723	91	24628	0.216	ppbv	95
64) Isopropylbenzene	12.042	105	33976	0.215	ppbv#	97
66) 4-Ethyltoluene	12.416	105	25495	0.168	ppbv#	94
67) 1,3,5-Trimethylbenzene	12.455	105	28350	0.225	ppbv	90
68) 1,2,4-Trimethylbenzene	12.704	105	24580	0.188	ppbv#	96
70) Benzyl chloride	12.805	91	6027	0.069	ppbv	94
71) 1,3-Dichlorobenzene	12.828	146	12159	0.154	ppbv	97
72) 1,4-Dichlorobenzene	12.867	146	10194	0.143	ppbv	99
73) sec-Butylbenzene	12.875	105	41656	0.214	ppbv#	96
74) 4-Isopropyltoluene	12.960	119	35899	0.203	ppbv	97
75) 1,2-Dichlorobenzene	13.085	146	13052	0.169	ppbv	96
76) n-Butylbenzene	13.224	91	21380	0.160	ppbv	96
77) 1,2,4-Trichlorobenzene	14.282	180	2335	0.049	ppbv#	90
78) Naphthalene	14.383	128	6101	0.046	ppbv#	92
79) Hexachlorobutadiene	14.639	225	16401	0.207	ppbv	94
81] 1,2-Dichlorotetrafluor...	4.385	85	19364	0.197	ppbv	86
82] Vinyl Chloride(sim)	4.496	62	7471	0.198	ppbv	95
83] Bromomethane(sim)	4.850	94	9076	0.226	ppbv#	85
84] Trichlorofluoromethane...	5.581	101	20615	0.203	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.059	62	10333	0.194	ppbv	90
86] 1,1,1-Trichloroethane(...	8.216	97	16312	0.202	ppbv#	99
87] Benzene(sim)	8.502	78	20041	0.194	ppbv	97
88] Carbon Tetrachloride(sim)	8.591	117	15985	0.202	ppbv	98
89] 1,1-Dichloroethene(sim)	6.034	61	11630	0.197	ppbv	94
90] Trichlorotrifluoroetha...	6.287	101	15955	0.203	ppbv#	95
91] Trans-1,2-Dichloroethe...	6.737	61	10687	0.197	ppbv	91
92] 1,1-Dichloroethane(sim)	6.869	63	13569	0.202	ppbv	96
93] Cis-1,2-Dichloroethene...	7.402	61	10261	0.196	ppbv	88
94] Chloroform(sim)	7.583	83	15884	0.203	ppbv	97
96] 1,2-dichloropropane(sim)	8.972	63	8735	0.198	ppbv#	86
97] Bromodichloromethane(sim)	9.090	83	15375	0.192	ppbv	98
98] Trichloroethene(sim)	9.110	130	10598	0.198	ppbv	94
99] 1,4-Dioxane(sim)	9.107	88	4470	0.207	ppbv	86
100] cis-1,3-Dichloropropen...	9.592	75	12529	0.197	ppbv	96
101] 1,1,2-Trichloroethane(...	9.997	97	9064	0.200	ppbv	97
102] Dibromochloromethane(sim)	10.408	129	16625	0.197	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	15030	0.197	ppbv	95
104] Tetrachloroethene(sim)	10.795	166	14318	0.178	ppbv	99
106] Bromoform(sim)	11.537	173	13789	0.196	ppbv	99
107] m, p-Xylene(sim)	11.458	91	46430	0.360	ppbv	98
108] 1,1,2,2-Tetrachloroeth...	11.719	83	18125	0.196	ppbv	98
111] Benzyl chloride(sim)	12.805	91	6027	0.130	ppbv	94
112] 1,3-Dichlorobenzene(sim)	12.823	146	13405	0.179	ppbv	98
113] 1,4-Dichlorobenzene(sim)	12.867	146	10194	0.173	ppbv	99

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_08.D
Acq On : 14 Jan 2025 1:41 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.20 ppb ; T01511
ALS Vial : 8 Sample Multiplier: 1

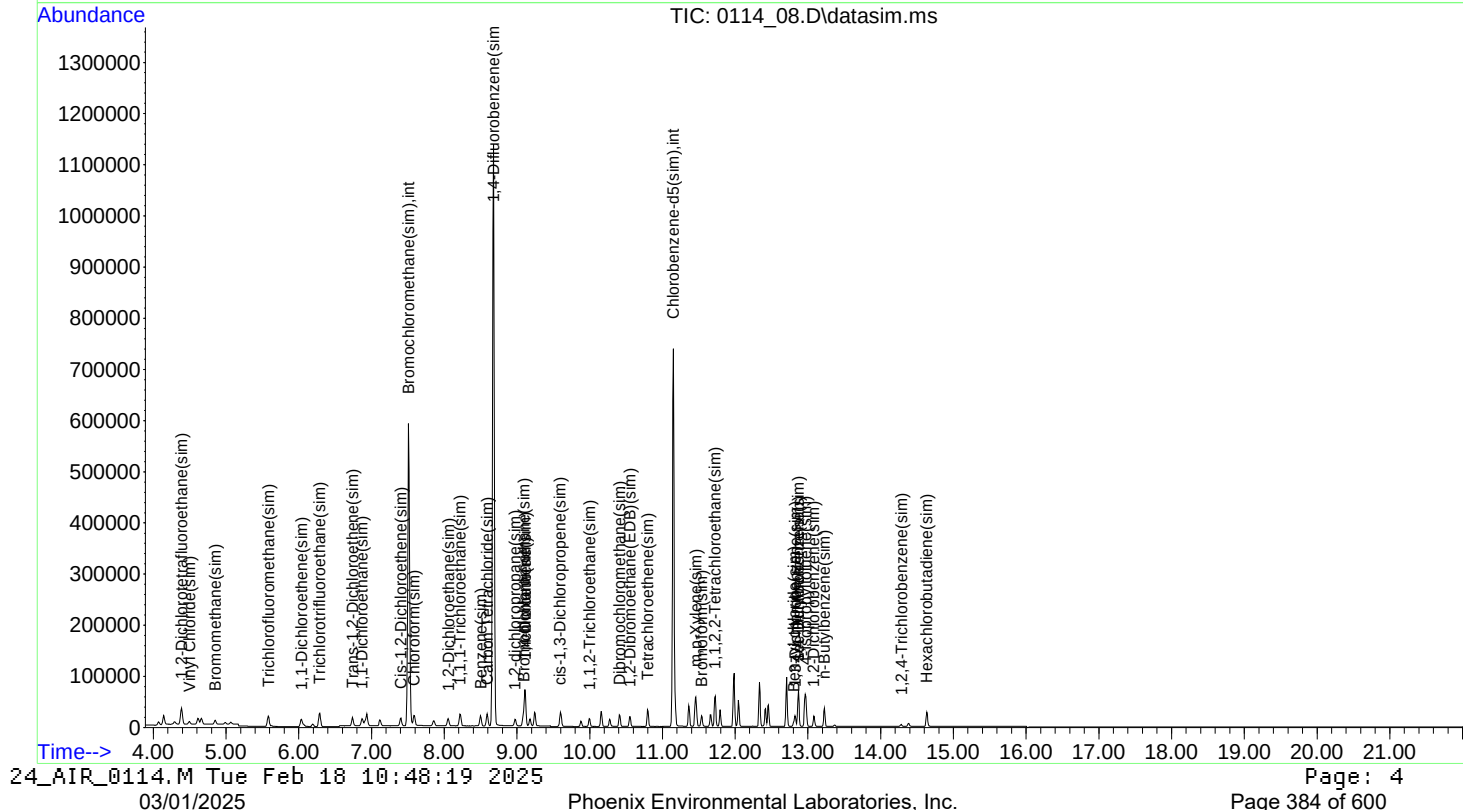
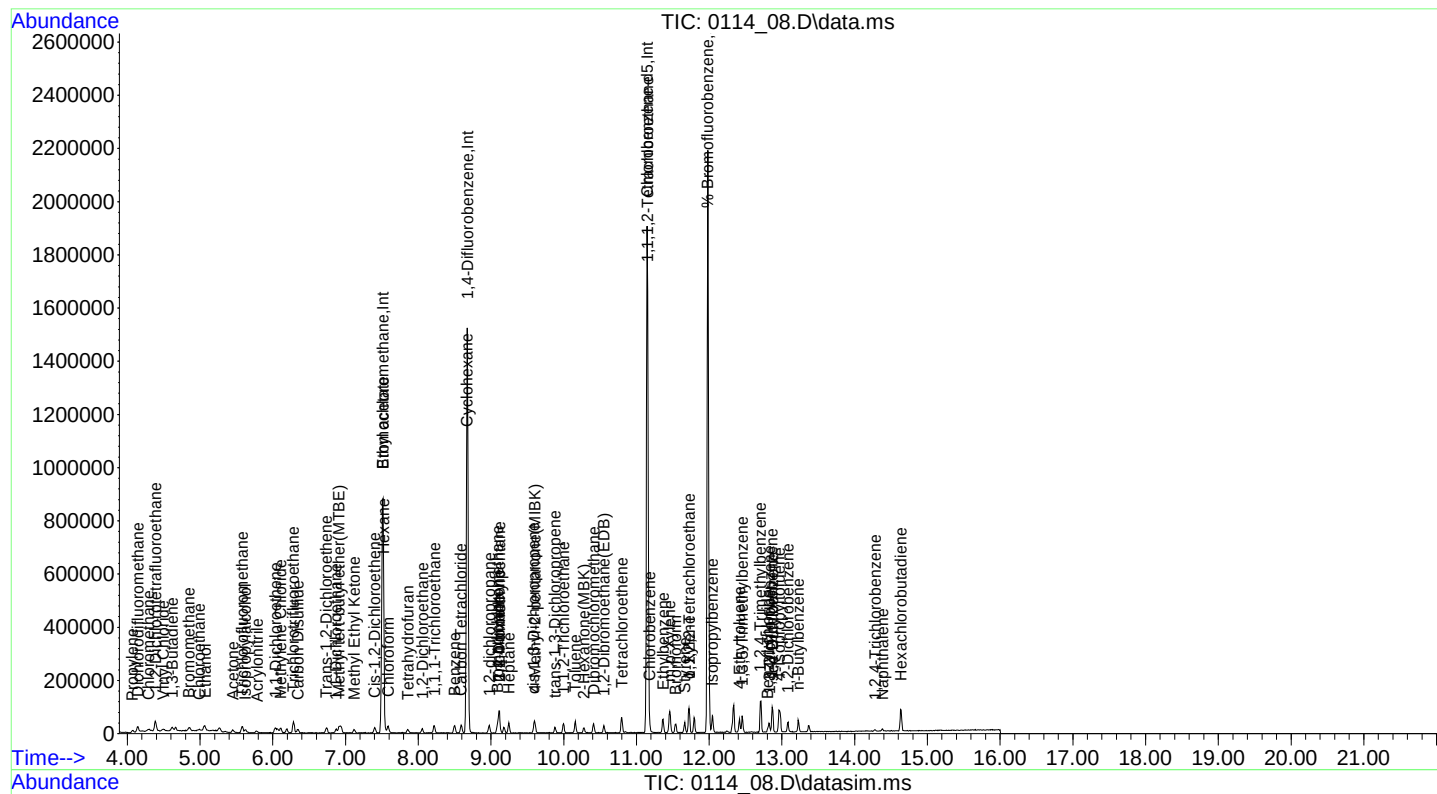
Quant Time: Jan 14 16:30:19 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	45190	0.198	ppbv	97
115]	4-Isopropyltoluene(sim)	12.960	119	35899	0.194	ppbv	97
116]	1,2-Dichlorobenzene(sim)	13.080	146	14257	0.180	ppbv	97
117]	n-Butylbenzene(sim)	13.224	91	21380	0.195	ppbv	96
118]	1,2,4-Trichlorobenzene...	14.285	180	2553	0.160	ppbv	97
119]	Hexachlorobutadiene(sim)	14.632	225	15813	0.180	ppbv	94

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_08.D
Acq On : 14 Jan 2025 1:41 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.20 ppb ; T01511
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 14 16:30:19 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\0114\14\
 Data File : 0114_09.D
 Acq On : 14 Jan 2025 2:18 pm
 Operator : Keith
 Client ID : ICAL 0.5
 Lab ID : 0.50 ppb ; T01511
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 14 16:30:30 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	289760	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	1000441	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	468003	10.000	ng	0.00
80) Bromochloromethane(sim)	7.510	130	290903	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	1000441	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	468124	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	584649	9.653	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	96.50%	
Target Compounds						
					Qvalue	
2) Propylene	4.079	41	13683	0.522	ppbv	98
3) Dichlorodifluoromethane	4.145	85	44652	0.508	ppbv	98
4) Chloromethane	4.294	50	18080	0.564	ppbv	97
5) 1,2-Dichlorotetrafluor...	4.385	85	46965	0.526	ppbv#	83
6) Vinyl Chloride	4.493	62	17603	0.536	ppbv	96
7) 1,3-Butadiene	4.618	54	14262	0.547	ppbv#	83
8) Bromomethane	4.850	94	18962	0.546	ppbv	96
9) Chloroethane	4.991	64	7946	0.548	ppbv	91
11) Ethanol	5.074	45	9391	0.591	ppbv	96
12) Acetone	5.449	43	28094	0.521	ppbv	90
13) Trichlorofluoromethane	5.578	101	47915	0.509	ppbv	99
14) Isopropylalcohol	5.621	45	32597	0.521	ppbv#	75
15) Acrylonitrile	5.778	53	11820	0.527	ppbv	99
16) 1,1-Dichloroethene	6.034	61	26979	0.507	ppbv	97
17) Methylene Chloride	6.112	49	22943	0.540	ppbv	91
20) Carbon Disulfide	6.344	76	44058	0.519	ppbv	97
21) Trichlorotrifluoroethane	6.284	101	36803	0.518	ppbv	93
22) Trans-1,2-Dichloroethene	6.737	61	25245	0.514	ppbv	93
23) 1,1-Dichloroethane	6.875	63	29888	0.505	ppbv	98
24) Methyl tert-butyl ethe...	6.907	73	41185	0.505	ppbv#	92
25) Methyl Ethyl Ketone	7.110	43	35920	0.521	ppbv	95
26) Cis-1,2-Dichloroethene	7.402	61	23595	0.509	ppbv	89
27) Hexane	7.523	57	22615	0.494	ppbv#	83
28) Chloroform	7.588	83	36365	0.520	ppbv	97
29) Ethyl acetate	7.515	61	5038	0.471	ppbv#	78
30) Tetrahydrofuran	7.848	42	16384	0.505	ppbv#	85
31) 1,2-Dichloroethane	8.059	62	25318	0.510	ppbv	97
32) 1,1,1-Trichloroethane	8.221	97	35777	0.487	ppbv	99
33) Benzene	8.502	78	46801	0.496	ppbv	97
34) Carbon Tetrachloride	8.588	117	38211	0.486	ppbv	100
35) Cyclohexane	8.666	84	19794	0.548	ppbv	90
37) 1,2-dichloropropane	8.978	63	19282	0.496	ppbv#	84
38) Bromodichloromethane	9.090	83	38030	0.498	ppbv	96
39) Trichloroethene	9.107	130	24510	0.510	ppbv	98
40) 2,2,4-trimethylpentane	9.116	57	76369	0.508	ppbv	96
41) 1,4-Dioxane	9.107	88	9860	0.469	ppbv#	81
43) Heptane	9.246	43	30772	0.508	ppbv#	91
44) cis-1,3-Dichloropropene	9.589	75	28533	0.482	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.603	43	40134	0.484	ppbv	95
46) trans-1,3-Dichloropropene	9.877	75	21694	0.453	ppbv	97
47) 1,1,2-Trichloroethane	9.997	97	21022	0.495	ppbv	94
48) Toluene	10.159	91	59042	0.496	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\0114\14\
 Data File : 0114_09.D
 Acq On : 14 Jan 2025 2:18 pm
 Operator : Keith
 Client ID : ICAL 0.5
 Lab ID : 0.50 ppb ; T01511
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 14 16:30:30 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	40005	0.468	ppbv	98
50) 2-Hexanone(MBK)	10.272	43	31949	0.443	ppbv	91
51) 1,2-Dibromoethane(EDB)	10.553	107	36416	0.499	ppbv	96
52) Tetrachloroethene	10.799	166	33557	0.505	ppbv	99
54) 1,1,1,2-Tetrachloroethane	11.162	131	27467	0.530	ppbv	96
55) Chlorobenzene	11.177	112	48481	0.545	ppbv	86
56) Ethylbenzene	11.367	91	74059	0.529	ppbv	96
57) m, p-Xylene	11.458	91	112740	1.072	ppbv	96
58) Bromoform	11.541	173	36533	0.489	ppbv	98
59) Styrene	11.663	104	38499	0.510	ppbv	93
60) 1,1,2,2-Tetrachloroethane	11.723	83	43275	0.526	ppbv	97
61) o-Xylene	11.723	91	59481	0.527	ppbv	98
64) Isopropylbenzene	12.042	105	85655	0.548	ppbv	98
66) 4-Ethyltoluene	12.416	105	77491	0.516	ppbv	96
67) 1,3,5-Trimethylbenzene	12.455	105	63312	0.508	ppbv	95
68) 1,2,4-Trimethylbenzene	12.711	105	63126	0.488	ppbv#	96
70) Benzyl chloride	12.805	91	16986	0.195	ppbv	97
71) 1,3-Dichlorobenzene	12.828	146	34974	0.448	ppbv	98
72) 1,4-Dichlorobenzene	12.867	146	30396	0.432	ppbv	99
73) sec-Butylbenzene	12.875	105	101892	0.529	ppbv	97
74) 4-Isopropyltoluene	12.960	119	88486	0.506	ppbv	95
75) 1,2-Dichlorobenzene	13.084	146	33757	0.441	ppbv	96
76) n-Butylbenzene	13.224	91	54911	0.415	ppbv	97
77) 1,2,4-Trichlorobenzene	14.282	180	6773	0.145	ppbv	94
78) Naphthalene	14.383	128	19147	0.147	ppbv#	99
79) Hexachlorobutadiene	14.639	225	37680	0.482	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.385	85	46965	0.489	ppbv#	83
82] Vinyl Chloride(sim)	4.496	62	17821	0.483	ppbv	96
83] Bromomethane(sim)	4.850	94	18962	0.483	ppbv	95
84] Trichlorofluoromethane...	5.581	101	49364	0.497	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.059	62	25318	0.485	ppbv	97
86] 1,1,1-Trichloroethane(...	8.224	97	39012	0.493	ppbv#	99
87] Benzene(sim)	8.502	78	46801	0.463	ppbv	97
88] Carbon Tetrachloride(sim)	8.591	117	38344	0.495	ppbv	99
89] 1,1-Dichloroethene(sim)	6.034	61	26979	0.466	ppbv	97
90] Trichlorotrifluoroetha...	6.287	101	38095	0.495	ppbv#	95
91] Trans-1,2-Dichloroethe...	6.737	61	25245	0.477	ppbv	93
92] 1,1-Dichloroethane(sim)	6.869	63	32148	0.489	ppbv	96
93] Cis-1,2-Dichloroethene...	7.402	61	23595	0.460	ppbv	89
94] Chloroform(sim)	7.591	83	38128	0.498	ppbv	99
96] 1,2-dichloropropane(sim)	8.972	63	20747	0.483	ppbv#	84
97] Bromodichloromethane(sim)	9.090	83	38030	0.488	ppbv	97
98] Trichloroethene(sim)	9.110	130	25302	0.485	ppbv	94
99] 1,4-Dioxane(sim)	9.107	88	9860	0.469	ppbv#	81
100] cis-1,3-Dichloropropen...	9.592	75	30163	0.487	ppbv	97
101] 1,1,2-Trichloroethane(...	9.997	97	21022	0.475	ppbv	94
102] Dibromochloromethane(sim)	10.408	129	40516	0.491	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	36305	0.489	ppbv	96
104] Tetrachloroethene(sim)	10.795	166	34314	0.437	ppbv	100
106] Bromoform(sim)	11.537	173	34260	0.491	ppbv	100
107] m, p-Xylene(sim)	11.458	91	112740	0.884	ppbv	96
108] 1,1,2,2-Tetrachloroeth...	11.719	83	44431	0.487	ppbv	98
111] Benzyl chloride(sim)	12.805	91	16986	0.351	ppbv	97
112] 1,3-Dichlorobenzene(sim)	12.823	146	39185	0.528	ppbv	97
113] 1,4-Dichlorobenzene(sim)	12.867	146	30396	0.521	ppbv	99

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_09.D
Acq On : 14 Jan 2025 2:18 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.50 ppb ; T01511
ALS Vial : 9 Sample Multiplier: 1

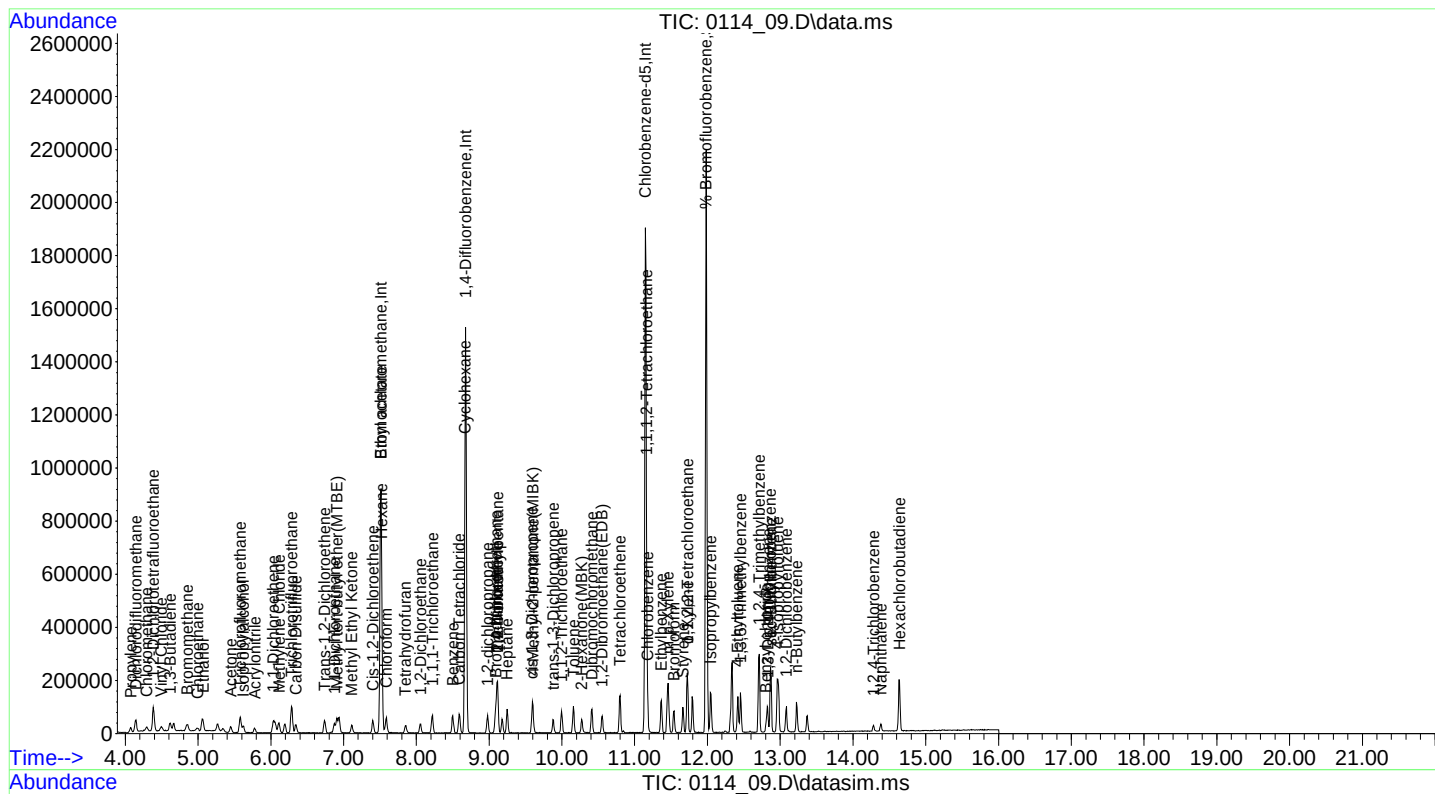
Quant Time: Jan 14 16:30:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	110874	0.491	ppbv	97
115]	4-Isopropyltoluene(sim)	12.960	119	88609	0.483	ppbv	95
116]	1,2-Dichlorobenzene(sim)	13.080	146	37501	0.480	ppbv	98
117]	n-Butylbenzene(sim)	13.224	91	54911	0.507	ppbv	97
118]	1,2,4-Trichlorobenzene...	14.285	180	7572	0.326	ppbv	99
119]	Hexachlorobutadiene(sim)	14.639	225	37407	0.430	ppbv	98

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_09.D
Acq On : 14 Jan 2025 2:18 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.50 ppb ; T01511
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 14 16:30:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\0114\14\
 Data File : 0114_10.D
 Acq On : 14 Jan 2025 2:55 pm
 Operator : Keith
 Client ID : ICAL 2.5
 Lab ID : 2.5 ppb ; T01511
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 14 16:30:41 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	286141	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	994887	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	476318	10.000	ng	0.00
80) Bromochloromethane(sim)	7.510	130	287727	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	994887	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	476318	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.981	95	604431	9.806	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.10%

Target Compounds

						Qvalue
2) Propylene	4.070	41	60555	2.342	ppbv	97
3) Dichlorodifluoromethane	4.145	85	211467	2.434	ppbv	98
4) Chloromethane	4.294	50	75153	2.374	ppbv	97
5) 1,2-Dichlorotetrafluor...	4.385	85	216458	2.457	ppbv#	85
6) Vinyl Chloride	4.493	62	80203	2.471	ppbv	98
7) 1,3-Butadiene	4.617	54	62516	2.427	ppbv	94
8) Bromomethane	4.850	94	83050	2.421	ppbv	98
9) Chloroethane	4.991	64	34247	2.390	ppbv	98
11) Ethanol	5.065	45	34058	2.169	ppbv	98
12) Acetone	5.443	43	126975	2.383	ppbv	91
13) Trichlorofluoromethane	5.578	101	223424	2.404	ppbv	98
14) Isopropylalcohol	5.615	45	147097	2.382	ppbv#	86
15) Acrylonitrile	5.778	53	52445	2.367	ppbv	97
16) 1,1-Dichloroethene	6.034	61	128574	2.445	ppbv	96
17) Methylene Chloride	6.106	49	100085	2.383	ppbv	91
20) Carbon Disulfide	6.344	76	206477	2.465	ppbv	99
21) Trichlorotrifluoroethane	6.284	101	174477	2.486	ppbv	91
22) Trans-1,2-Dichloroethene	6.737	61	117114	2.416	ppbv	93
23) 1,1-Dichloroethane	6.874	63	143819	2.459	ppbv	97
24) Methyl tert-butyl ethe...	6.899	73	193833	2.406	ppbv#	91
25) Methyl Ethyl Ketone	7.101	43	161732	2.377	ppbv#	95
26) Cis-1,2-Dichloroethene	7.402	61	109632	2.394	ppbv	92
27) Hexane	7.523	57	111221	2.460	ppbv#	89
28) Chloroform	7.588	83	170265	2.465	ppbv	97
29) Ethyl acetate	7.507	61	26310	2.492	ppbv#	88
30) Tetrahydrofuran	7.839	42	78908	2.461	ppbv#	87
31) 1,2-Dichloroethane	8.050	62	120024	2.446	ppbv	95
32) 1,1,1-Trichloroethane	8.221	97	176054	2.428	ppbv	98
33) Benzene	8.502	78	222292	2.385	ppbv	96
34) Carbon Tetrachloride	8.588	117	184733	2.378	ppbv	99
35) Cyclohexane	8.666	84	84317	2.364	ppbv#	81
37) 1,2-dichloropropane	8.978	63	93477	2.416	ppbv#	90
38) Bromodichloromethane	9.090	83	182609	2.403	ppbv	98
39) Trichloroethene	9.107	130	119507	2.500	ppbv	96
40) 2,2,4-trimethylpentane	9.116	57	367207	2.454	ppbv	97
41) 1,4-Dioxane	9.099	88	47755	2.286	ppbv	85
43) Heptane	9.246	43	145653	2.420	ppbv#	89
44) cis-1,3-Dichloropropene	9.589	75	140441	2.385	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.596	43	197703	2.397	ppbv	95
46) trans-1,3-Dichloropropene	9.877	75	112565	2.366	ppbv	95
47) 1,1,2-Trichloroethane	9.997	97	101735	2.407	ppbv	96
48) Toluene	10.159	91	287345	2.429	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_10.D
 Acq On : 14 Jan 2025 2:55 pm
 Operator : Keith
 Client ID : ICAL 2.5
 Lab ID : 2.5 ppb ; T01511
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 14 16:30:41 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	199570	2.348	ppbv	98
50) 2-Hexanone(MBK)	10.264	43	170774	2.383	ppbv	92
51) 1,2-Dibromoethane(EDB)	10.553	107	173577	2.393	ppbv	99
52) Tetrachloroethene	10.799	166	159783	2.418	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.162	131	134516	2.550	ppbv	99
55) Chlorobenzene	11.177	112	232830	2.572	ppbv	99
56) Ethylbenzene	11.367	91	360819	2.531	ppbv	98
57) m, p-Xylene	11.458	91	563748	5.264	ppbv	97
58) Bromoform	11.541	173	190132	2.501	ppbv	100
59) Styrene	11.663	104	200139	2.607	ppbv	96
60) 1,1,2,2-Tetrachloroethane	11.723	83	220482	2.633	ppbv	94
61) o-Xylene	11.723	91	294438	2.562	ppbv	96
64) Isopropylbenzene	12.042	105	421108	2.649	ppbv	98
66) 4-Ethyltoluene	12.416	105	415282	2.716	ppbv	96
67) 1,3,5-Trimethylbenzene	12.455	105	325316	2.567	ppbv	92
68) 1,2,4-Trimethylbenzene	12.711	105	348102	2.646	ppbv	97
70) Benzyl chloride	12.804	91	150165	1.689	ppbv	98
71) 1,3-Dichlorobenzene	12.828	146	206465	2.598	ppbv	98
72) 1,4-Dichlorobenzene	12.867	146	185320	2.589	ppbv	99
73) sec-Butylbenzene	12.874	105	522644	2.667	ppbv	97
74) 4-Isopropyltoluene	12.960	119	476375	2.678	ppbv	96
75) 1,2-Dichlorobenzene	13.084	146	201617	2.591	ppbv	97
76) n-Butylbenzene	13.224	91	361804	2.687	ppbv	97
77) 1,2,4-Trichlorobenzene	14.282	180	63258	1.306	ppbv	97
78) Naphthalene	14.383	128	169590	1.267	ppbv#	98
79) Hexachlorobutadiene	14.639	225	196005	2.461	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.385	85	216325	2.278	ppbv#	85
82] Vinyl Chloride(sim)	4.496	62	84665	2.320	ppbv	98
83] Bromomethane(sim)	4.850	94	83050	2.140	ppbv	98
84] Trichlorofluoromethane...	5.581	101	232660	2.368	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.050	62	120024	2.323	ppbv	95
86] 1,1,1-Trichloroethane(...	8.215	97	186796	2.386	ppbv#	99
87] Benzene(sim)	8.502	78	222292	2.225	ppbv	96
88] Carbon Tetrachloride(sim)	8.591	117	186766	2.438	ppbv	99
89] 1,1-Dichloroethene(sim)	6.034	61	128574	2.247	ppbv	96
90] Trichlorotrifluoroetha...	6.287	101	178616	2.346	ppbv#	95
91] Trans-1,2-Dichloroethe...	6.737	61	117114	2.236	ppbv	93
92] 1,1-Dichloroethane(sim)	6.869	63	152591	2.347	ppbv	97
93] Cis-1,2-Dichloroethene...	7.402	61	109632	2.160	ppbv	92
94] Chloroform(sim)	7.591	83	179442	2.370	ppbv	99
96] 1,2-dichloropropane(sim)	8.972	63	99675	2.336	ppbv#	86
97] Bromodichloromethane(sim)	9.090	83	182609	2.357	ppbv	99
98] Trichloroethene(sim)	9.110	130	120839	2.329	ppbv	94
99] 1,4-Dioxane(sim)	9.099	88	47755	2.284	ppbv	85
100] cis-1,3-Dichloropropen...	9.592	75	150704	2.449	ppbv	97
101] 1,1,2-Trichloroethane(...	9.997	97	101735	2.311	ppbv	96
102] Dibromochloromethane(sim)	10.408	129	202055	2.465	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	173577	2.352	ppbv	99
104] Tetrachloroethene(sim)	10.795	166	161996	2.075	ppbv	100
106] Bromoform(sim)	11.537	173	181956	2.564	ppbv	100
107] m, p-Xylene(sim)	11.458	91	566319	4.366	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.719	83	229208	2.469	ppbv	98
111] Benzyl chloride(sim)	12.804	91	150017	2.129	ppbv	98
112] 1,3-Dichlorobenzene(sim)	12.823	146	235150	3.114	ppbv	98
113] 1,4-Dichlorobenzene(sim)	12.867	146	184348	3.103	ppbv	99

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_10.D
Acq On : 14 Jan 2025 2:55 pm
Operator : Keith
Client ID : ICAL 2.5
Lab ID : 2.5 ppb ; T01511
ALS Vial : 10 Sample Multiplier: 1

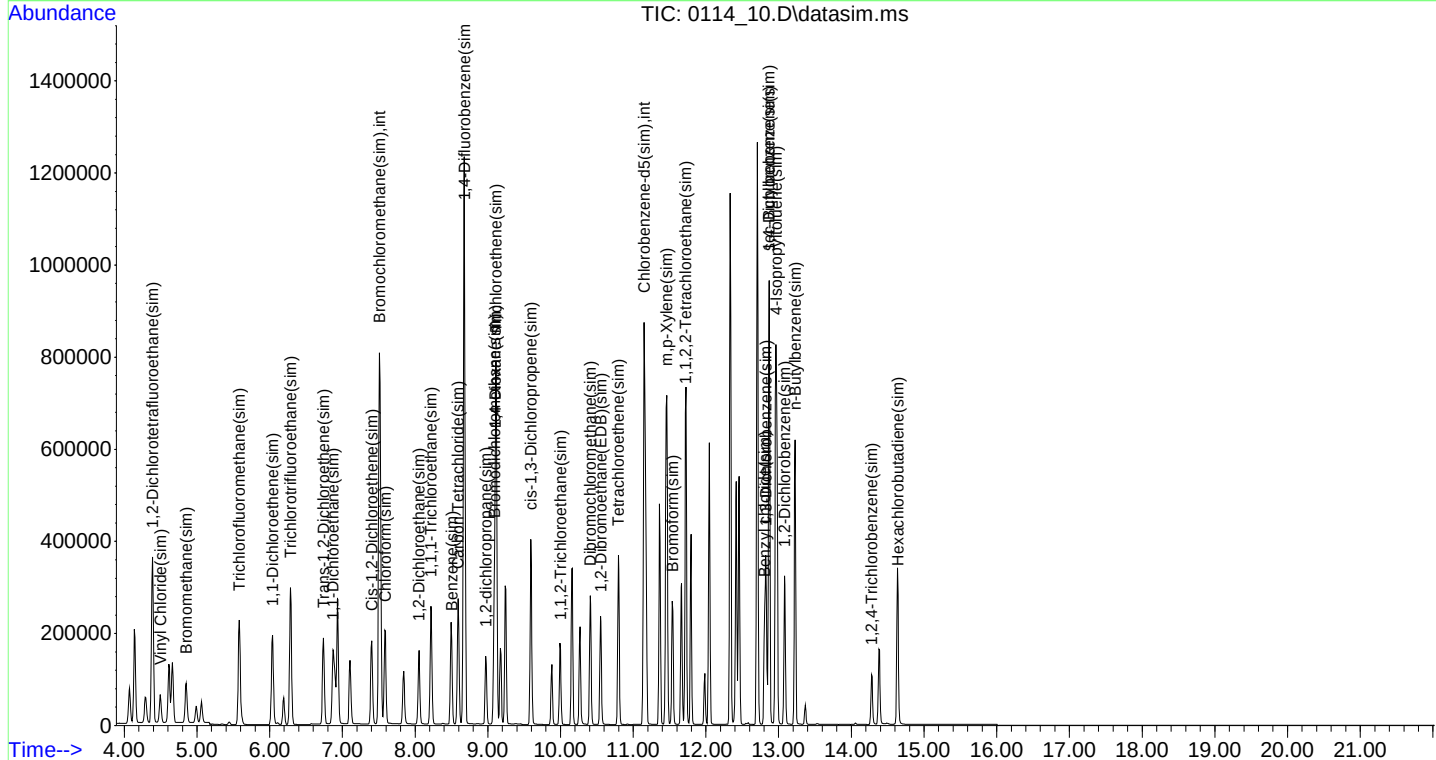
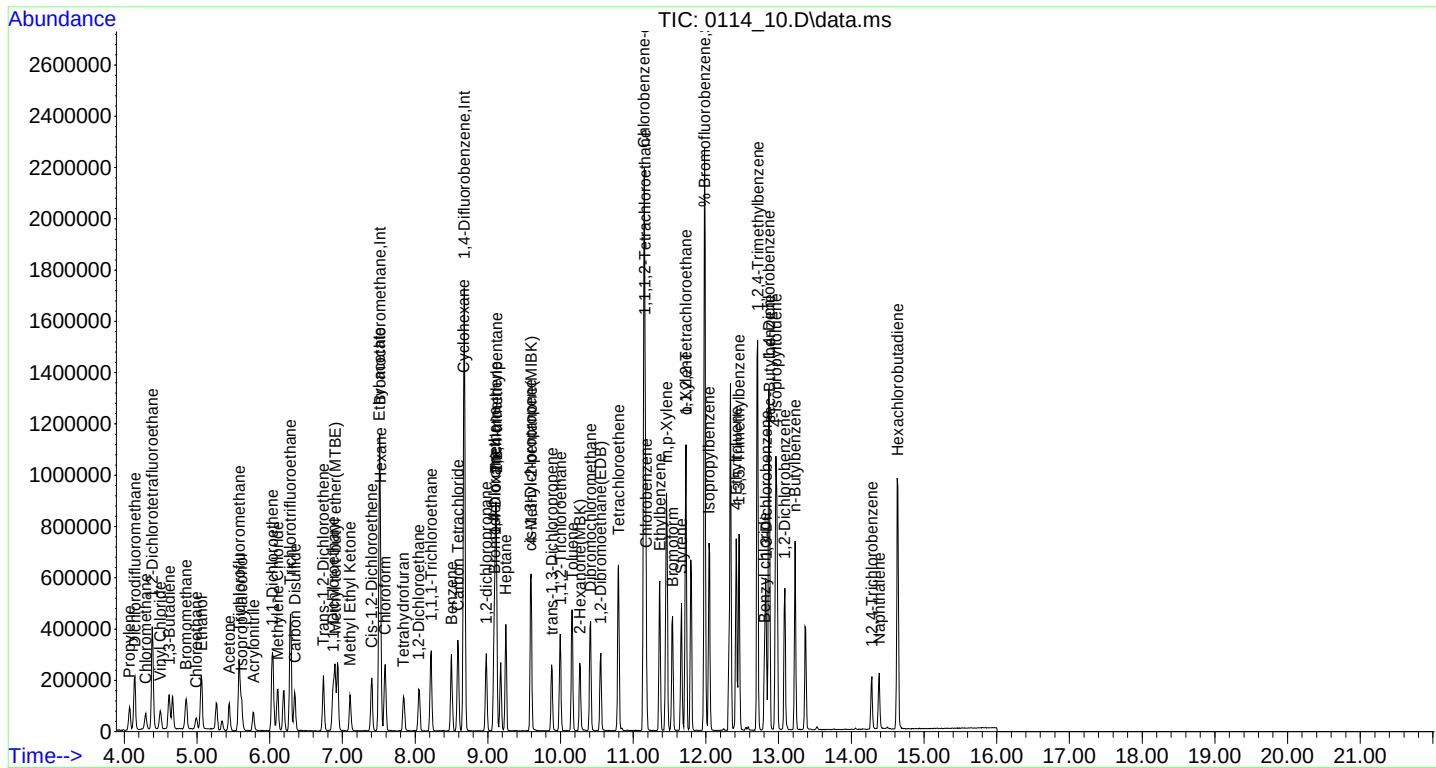
Quant Time: Jan 14 16:30:41 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	565010	2.458	ppbv	98
115]	4-Isopropyltoluene(sim)	12.960	119	476375	2.554	ppbv	96
116]	1,2-Dichlorobenzene(sim)	13.079	146	224725	2.825	ppbv	98
117]	n-Butylbenzene(sim)	13.224	91	361804	3.285	ppbv	97
118]	1,2,4-Trichlorobenzene...	14.277	180	69844	1.147	ppbv	100
119]	Hexachlorobutadiene(sim)	14.639	225	193607	2.187	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_10.D
Acq On : 14 Jan 2025 2:55 pm
Operator : Keith
Client ID : ICAL 2.5
Lab ID : 2.5 ppb ; T01511
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 14 16:30:41 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_11.D
 Acq On : 14 Jan 2025 3:29 pm
 Operator : Keith
 Client ID : ICAL 5
 Lab ID : 5.0 ppb ; T01511
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 14 16:30:52 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.507	130	277393	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	954023	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	470574	10.000	ng	0.00
80) Bromochloromethane(sim)	7.510	130	276917	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	954023	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	470574	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	605125	9.937	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	99.40%	
Target Compounds						
					Qvalue	
2) Propylene	4.070	41	115851	4.621	ppbv	96
3) Dichlorodifluoromethane	4.137	85	405027	4.809	ppbv	98
4) Chloromethane	4.294	50	145607	4.744	ppbv	100
5) 1,2-Dichlorotetrafluor...	4.385	85	419910	4.917	ppbv#	84
6) Vinyl Chloride	4.493	62	153045	4.865	ppbv	97
7) 1,3-Butadiene	4.617	54	119546	4.787	ppbv	92
8) Bromomethane	4.850	94	154622	4.650	ppbv	99
9) Chloroethane	4.991	64	66508	4.787	ppbv	100
11) Ethanol	5.065	45	71285	4.683	ppbv	94
12) Acetone	5.437	43	240788	4.662	ppbv	91
13) Trichlorofluoromethane	5.578	101	431269	4.787	ppbv	97
14) Isopropylalcohol	5.609	45	305376	5.102	ppbv#	92
15) Acrylonitrile	5.772	53	102178	4.758	ppbv	99
16) 1,1-Dichloroethene	6.034	61	248241	4.870	ppbv	97
17) Methylene Chloride	6.106	49	187114	4.596	ppbv	89
20) Carbon Disulfide	6.344	76	396739	4.885	ppbv	99
21) Trichlorotrifluoroethane	6.284	101	326610	4.800	ppbv	93
22) Trans-1,2-Dichloroethene	6.737	61	228476	4.862	ppbv	94
23) 1,1-Dichloroethane	6.874	63	276041	4.868	ppbv	97
24) Methyl tert-butyl ethe...	6.891	73	378377	4.844	ppbv#	90
25) Methyl Ethyl Ketone	7.101	43	315537	4.784	ppbv#	94
26) Cis-1,2-Dichloroethene	7.402	61	213782	4.816	ppbv	93
27) Hexane	7.523	57	215229	4.912	ppbv#	89
28) Chloroform	7.588	83	326918	4.881	ppbv	97
29) Ethyl acetate	7.499	61	49656	4.852	ppbv#	85
30) Tetrahydrofuran	7.839	42	151979	4.889	ppbv#	86
31) 1,2-Dichloroethane	8.050	62	232679	4.892	ppbv	95
32) 1,1,1-Trichloroethane	8.221	97	339973	4.837	ppbv	98
33) Benzene	8.502	78	434708	4.811	ppbv	97
34) Carbon Tetrachloride	8.588	117	365019	4.846	ppbv	100
35) Cyclohexane	8.666	84	161080	4.658	ppbv#	80
37) 1,2-dichloropropane	8.978	63	182604	4.923	ppbv#	92
38) Bromodichloromethane	9.090	83	356569	4.893	ppbv	98
39) Trichloroethene	9.107	130	226821	4.947	ppbv	98
40) 2,2,4-trimethylpentane	9.116	57	708425	4.937	ppbv	96
41) 1,4-Dioxane	9.090	88	101876	5.085	ppbv#	82
43) Heptane	9.246	43	285968	4.955	ppbv#	91
44) cis-1,3-Dichloropropene	9.589	75	279351	4.947	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.589	43	404255	5.111	ppbv	95
46) trans-1,3-Dichloropropene	9.877	75	226839	4.971	ppbv	94
47) 1,1,2-Trichloroethane	9.997	97	199489	4.922	ppbv	98
48) Toluene	10.159	91	560814	4.944	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_11.D
 Acq On : 14 Jan 2025 3:29 pm
 Operator : Keith
 Client ID : ICAL 5
 Lab ID : 5.0 ppb ; T01511
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 14 16:30:52 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	402753	4.942	ppbv	99
50) 2-Hexanone(MBK)	10.264	43	368212	5.358	ppbv	92
51) 1,2-Dibromoethane(EDB)	10.553	107	339628	4.884	ppbv	98
52) Tetrachloroethene	10.792	166	307769	4.857	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.162	131	266355	5.111	ppbv	99
55) Chlorobenzene	11.177	112	455025	5.088	ppbv	100
56) Ethylbenzene	11.367	91	717472	5.095	ppbv	97
57) m, p-Xylene	11.458	91	1111006	10.502	ppbv	97
58) Bromoform	11.541	173	390882	5.204	ppbv	99
59) Styrene	11.663	104	400068	5.275	ppbv	95
60) 1,1,2,2-Tetrachloroethane	11.723	83	439875	5.318	ppbv	94
61) o-Xylene	11.723	91	578816	5.098	ppbv	96
64) Isopropylbenzene	12.042	105	817598	5.207	ppbv	98
66) 4-Ethyltoluene	12.416	105	835748	5.534	ppbv	97
67) 1,3,5-Trimethylbenzene	12.455	105	653240	5.217	ppbv	96
68) 1,2,4-Trimethylbenzene	12.703	105	708696	5.452	ppbv	97
70) Benzyl chloride	12.804	91	376018	4.246	ppbv	98
71) 1,3-Dichlorobenzene	12.828	146	441347	5.621	ppbv	99
72) 1,4-Dichlorobenzene	12.867	146	400324	5.660	ppbv	99
73) sec-Butylbenzene	12.874	105	1016561	5.250	ppbv	97
74) 4-Isopropyltoluene	12.960	119	942735	5.363	ppbv	97
75) 1,2-Dichlorobenzene	13.084	146	435565	5.665	ppbv	97
76) n-Butylbenzene	13.224	91	762741	5.734	ppbv	98
77) 1,2,4-Trichlorobenzene	14.282	180	191849	3.869	ppbv	97
78) Naphthalene	14.383	128	505615	3.756	ppbv#	98
79) Hexachlorobutadiene	14.632	225	439716	5.589	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.385	85	419447	4.589	ppbv#	84
82] Vinyl Chloride(sim)	4.496	62	162820	4.636	ppbv	97
83] Bromomethane(sim)	4.850	94	154622	4.139	ppbv	99
84] Trichlorofluoromethane...	5.581	101	449739	4.757	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.050	62	232679	4.680	ppbv	95
86] 1,1,1-Trichloroethane(...	8.215	97	365624	4.853	ppbv#	99
87] Benzene(sim)	8.502	78	434706	4.520	ppbv	97
88] Carbon Tetrachloride(sim)	8.591	117	371990	5.046	ppbv	99
89] 1,1-Dichloroethene(sim)	6.034	61	248241	4.507	ppbv	97
90] Trichlorotrifluoroetha...	6.287	101	342151	4.669	ppbv#	95
91] Trans-1,2-Dichloroethe...	6.737	61	228476	4.532	ppbv	94
92] 1,1-Dichloroethane(sim)	6.869	63	294576	4.707	ppbv	97
93] Cis-1,2-Dichloroethene...	7.402	61	213782	4.377	ppbv	93
94] Chloroform(sim)	7.583	83	346478	4.755	ppbv	98
96] 1,2-dichloropropane(sim)	8.972	63	193859	4.737	ppbv#	86
97] Bromodichloromethane(sim)	9.090	83	356569	4.800	ppbv	99
98] Trichloroethene(sim)	9.110	130	232379	4.670	ppbv	94
99] 1,4-Dioxane(sim)	9.090	88	101876	5.081	ppbv#	82
100] cis-1,3-Dichloropropen...	9.592	75	299123	5.070	ppbv	97
101] 1,1,2-Trichloroethane(...	9.997	97	199489	4.726	ppbv	98
102] Dibromochloromethane(sim)	10.408	129	405386	5.157	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	339628	4.799	ppbv	98
104] Tetrachloroethene(sim)	10.795	166	313219	4.185	ppbv	100
106] Bromoform(sim)	11.537	173	376262	5.367	ppbv	100
107] m, p-Xylene(sim)	11.458	91	1114189	8.694	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.719	83	460216	5.017	ppbv	98
111] Benzyl chloride(sim)	12.804	91	376018	4.067	ppbv	98
112] 1,3-Dichlorobenzene(sim)	12.823	146	501652	6.723	ppbv	98
113] 1,4-Dichlorobenzene(sim)	12.867	146	399984	6.815	ppbv	99

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_11.D
Acq On : 14 Jan 2025 3:29 pm
Operator : Keith
Client ID : ICAL 5
Lab ID : 5.0 ppb ; T01511
ALS Vial : 11 Sample Multiplier: 1

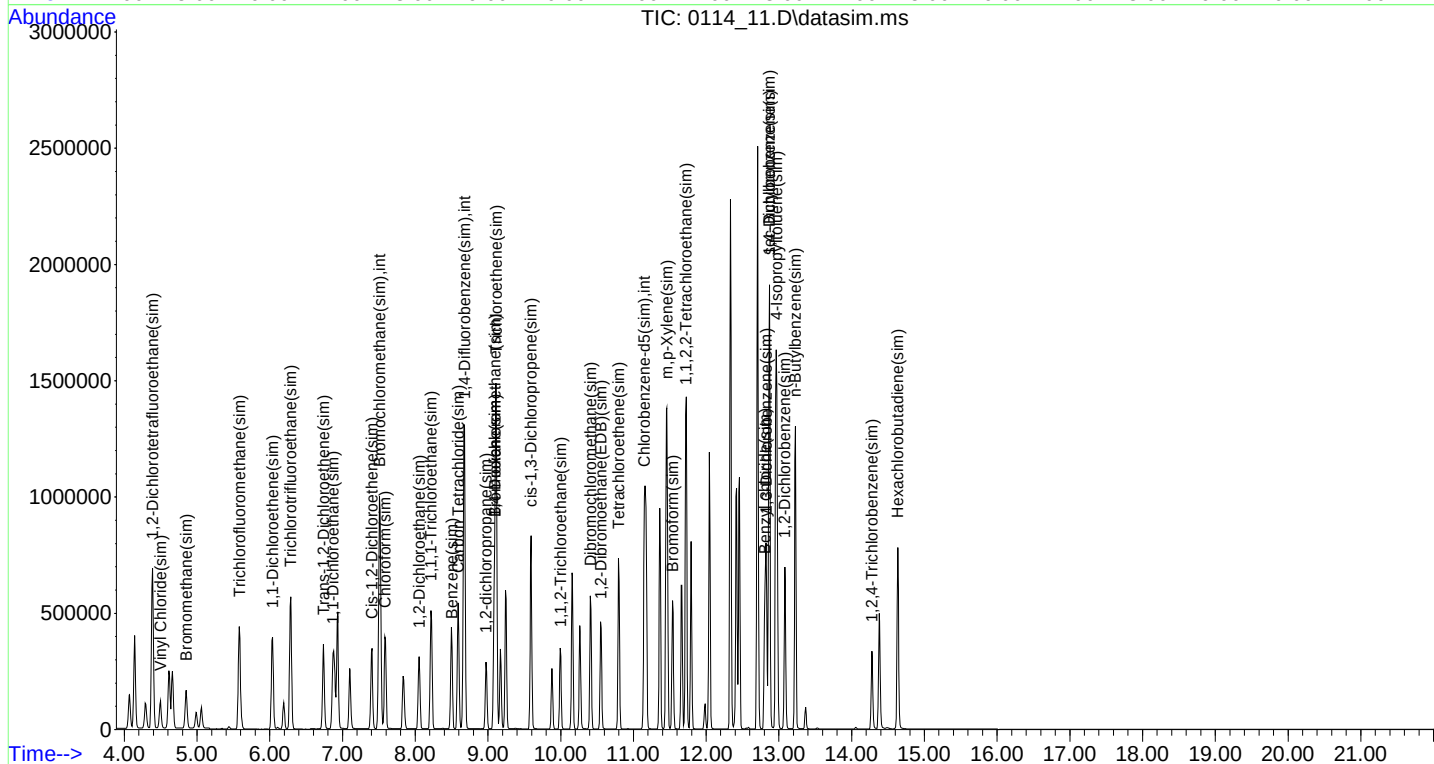
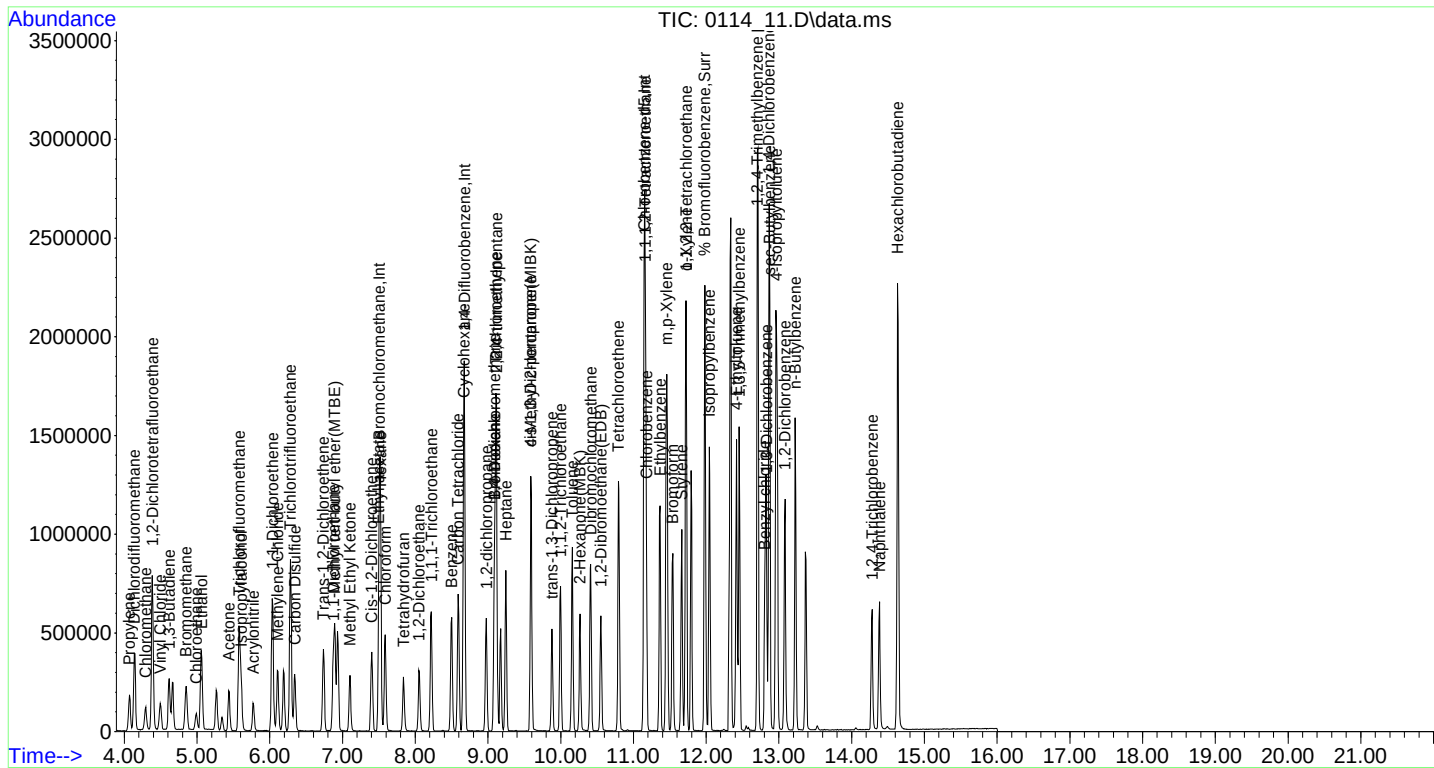
Quant Time: Jan 14 16:30:52 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	1093140	4.813	ppbv	97
115]	4-Isopropyltoluene(sim)	12.960	119	944175	5.124	ppbv	97
116]	1,2-Dichlorobenzene(sim)	13.080	146	481166	6.123	ppbv	98
117]	n-Butylbenzene(sim)	13.224	91	762741	7.010	ppbv	98
118]	1,2,4-Trichlorobenzene...	14.277	180	210710	2.072	ppbv	100
119]	Hexachlorobutadiene(sim)	14.632	225	439071	5.020	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_11.D
Acq On : 14 Jan 2025 3:29 pm
Operator : Keith
Client ID : ICAL 5
Lab ID : 5.0 ppb ; T01511
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 14 16:30:52 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_12.D
 Acq On : 14 Jan 2025 4:06 pm
 Operator : Keith
 Client ID : ICAL 25
 Lab ID : 25 ppb ; T01511
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 14 16:31:08 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	263626	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	929536	10.000	ng	0.00
53) Chlorobenzene-d5	11.155	82	547903	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	268764	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	929536	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.155	82	548340	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.981	95	628587	8.865	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	88.70%	

Target Compounds

						Qvalue
2) Propylene	4.070	41	579300	24.314	ppbv	95
3) Dichlorodifluoromethane	4.145	85	1985477	24.805	ppbv	98
4) Chloromethane	4.294	50	687841	23.582	ppbv	100
5) 1,2-Dichlorotetrafluor...	4.385	85	2010682	24.772	ppbv#	84
6) Vinyl Chloride	4.493	62	729857	24.410	ppbv	98
7) 1,3-Butadiene	4.618	54	566663	23.874	ppbv	93
8) Bromomethane	4.850	94	732337	23.176	ppbv	99
9) Chloroethane	4.991	64	314815	23.842	ppbv	98
11) Ethanol	5.057	45	338842	23.424	ppbv#	93
12) Acetone	5.437	43	1184649	24.132	ppbv	91
13) Trichlorofluoromethane	5.578	101	2229239	26.038	ppbv	98
14) Isopropylalcohol	5.603	45	1360613	23.919	ppbv#	91
15) Acrylonitrile	5.772	53	513275	25.149	ppbv	98
16) 1,1-Dichloroethene	6.034	61	1216169	25.106	ppbv	97
17) Methylene Chloride	6.112	49	920175	23.783	ppbv	89
20) Carbon Disulfide	6.344	76	1924000	24.928	ppbv	99
21) Trichlorotrifluoroethane	6.284	101	1610749	24.910	ppbv	92
22) Trans-1,2-Dichloroethene	6.737	61	1120382	25.086	ppbv	93
23) 1,1-Dichloroethane	6.875	63	1356868	25.179	ppbv	98
24) Methyl tert-butyl ethe...	6.891	73	1875079	25.260	ppbv#	89
25) Methyl Ethyl Ketone	7.102	43	1568064	25.015	ppbv#	94
26) Cis-1,2-Dichloroethene	7.402	61	1069629	25.354	ppbv	93
27) Hexane	7.523	57	1059246	25.434	ppbv#	91
28) Chloroform	7.588	83	1611729	25.322	ppbv	98
29) Ethyl acetate	7.499	61	243201	25.006	ppbv#	83
30) Tetrahydrofuran	7.832	42	753181	25.496	ppbv#	86
31) 1,2-Dichloroethane	8.059	62	1155906	25.570	ppbv	95
32) 1,1,1-Trichloroethane	8.221	97	1723386	25.799	ppbv	98
33) Benzene	8.502	78	2148814	25.021	ppbv	97
34) Carbon Tetrachloride	8.588	117	1901159	26.558	ppbv	100
35) Cyclohexane	8.666	84	789712	24.028	ppbv#	78
37) 1,2-dichloropropane	8.978	63	927628	25.666	ppbv#	92
38) Bromodichloromethane	9.090	83	1859386	26.188	ppbv	98
39) Trichloroethene	9.107	130	1118504	25.039	ppbv	97
40) 2,2,4-trimethylpentane	9.116	57	3496219	25.007	ppbv	97
41) 1,4-Dioxane	9.090	88	492060	25.205	ppbv	82
43) Heptane	9.246	43	1400910	24.912	ppbv#	90
44) cis-1,3-Dichloropropene	9.596	75	1459543	26.530	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.589	43	1986086	25.771	ppbv	96
46) trans-1,3-Dichloropropene	9.884	75	1210100	27.219	ppbv	95
47) 1,1,2-Trichloroethane	9.997	97	1014733	25.696	ppbv	97
48) Toluene	10.159	91	2825528	25.567	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_12.D
 Acq On : 14 Jan 2025 4:06 pm
 Operator : Keith
 Client ID : ICAL 25
 Lab ID : 25 ppb ; T01511
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 14 16:31:08 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:28:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	2159046	27.190	ppbv	98
50) 2-Hexanone(MBK)	10.265	43	1835332	27.409	ppbv	93
51) 1,2-Dibromoethane(EDB)	10.553	107	1750822	25.840	ppbv	98
52) Tetrachloroethene	10.800	166	1561589	25.295	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.162	131	1388405	22.881	ppbv	99
55) Chlorobenzene	11.177	112	2303574	22.124	ppbv	99
56) Ethylbenzene	11.367	91	3621970	22.091	ppbv	98
57) m, p-Xylene	11.458	91	5593566	45.410	ppbv	97
58) Bromoform	11.541	173	2188723	25.025	ppbv	99
59) Styrene	11.663	104	2088761	23.656	ppbv	94
60) 1,1,2,2-Tetrachloroethane	11.723	83	2215150	23.001	ppbv	94
61) o-Xylene	11.723	91	2923106	22.111	ppbv	96
64) Isopropylbenzene	12.049	105	4039232	22.093	ppbv	98
66) 4-Ethyltoluene	12.416	105	4177225	23.754	ppbv	97
67) 1,3,5-Trimethylbenzene	12.455	105	3332965	22.860	ppbv	92
68) 1,2,4-Trimethylbenzene	12.711	105	3651908	24.129	ppbv	96
70) Benzyl chloride	12.805	91	2589698	23.626	ppbv	98
71) 1,3-Dichlorobenzene	12.828	146	2345467	25.656	ppbv	98
72) 1,4-Dichlorobenzene	12.867	146	2305075	27.993	ppbv	98
73) sec-Butylbenzene	12.875	105	5097042	22.610	ppbv	97
74) 4-Isopropyltoluene	12.960	119	4780502	23.359	ppbv	96
75) 1,2-Dichlorobenzene	13.085	146	2299818	25.689	ppbv	96
76) n-Butylbenzene	13.224	91	4129839	26.664	ppbv	98
77) 1,2,4-Trichlorobenzene	14.282	180	1559580	21.703	ppbv	96
78) Naphthalene	14.383	128	3622968	20.676	ppbv#	98
79) Hexachlorobutadiene	14.632	225	2162503	23.608	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.385	85	2007543	22.628	ppbv#	84
82] Vinyl Chloride(sim)	4.496	62	766640	22.492	ppbv	97
83] Bromomethane(sim)	4.850	94	732337	20.199	ppbv	99
84] Trichlorofluoromethane...	5.581	101	2174930	23.702	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.059	62	1155906	23.954	ppbv	95
86] 1,1,1-Trichloroethane(...	8.224	97	1838586	25.142	ppbv#	99
87] Benzene(sim)	8.502	78	2148804	23.023	ppbv	97
88] Carbon Tetrachloride(sim)	8.591	117	1927924	26.947	ppbv	99
89] 1,1-Dichloroethene(sim)	6.034	61	1216169	22.751	ppbv	97
90] Trichlorotrifluoroetha...	6.287	101	1657601	23.305	ppbv#	96
91] Trans-1,2-Dichloroethe...	6.737	61	1120382	22.898	ppbv	93
92] 1,1-Dichloroethane(sim)	6.869	63	1439509	23.700	ppbv	96
93] Cis-1,2-Dichloroethene...	7.402	61	1069629	22.564	ppbv	93
94] Chloroform(sim)	7.591	83	1699996	24.037	ppbv	98
96] 1,2-dichloropropane(sim)	8.972	63	985231	24.709	ppbv#	87
97] Bromodichloromethane(sim)	9.090	83	1859386	25.691	ppbv	99
98] Trichloroethene(sim)	9.110	130	1140917	23.534	ppbv	93
99] 1,4-Dioxane(sim)	9.090	88	492060	25.189	ppbv	82
100] cis-1,3-Dichloropropen...	9.592	75	1552071	26.998	ppbv	97
101] 1,1,2-Trichloroethane(...	9.997	97	1014733	24.675	ppbv	97
102] Dibromochloromethane(sim)	10.415	129	2172778	28.368	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	1750822	25.393	ppbv	98
104] Tetrachloroethene(sim)	10.802	166	1569854	21.527	ppbv	99
106] Bromoform(sim)	11.544	173	2106306	25.783	ppbv	99
107] m, p-Xylene(sim)	11.458	91	5599574	37.498	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.719	83	2288036	21.407	ppbv	97
111] Benzyl chloride(sim)	12.805	91	2589698	11.971	ppbv	98
112] 1,3-Dichlorobenzene(sim)	12.831	146	2635580	30.314	ppbv	97
113] 1,4-Dichlorobenzene(sim)	12.867	146	2305075	33.703	ppbv	98

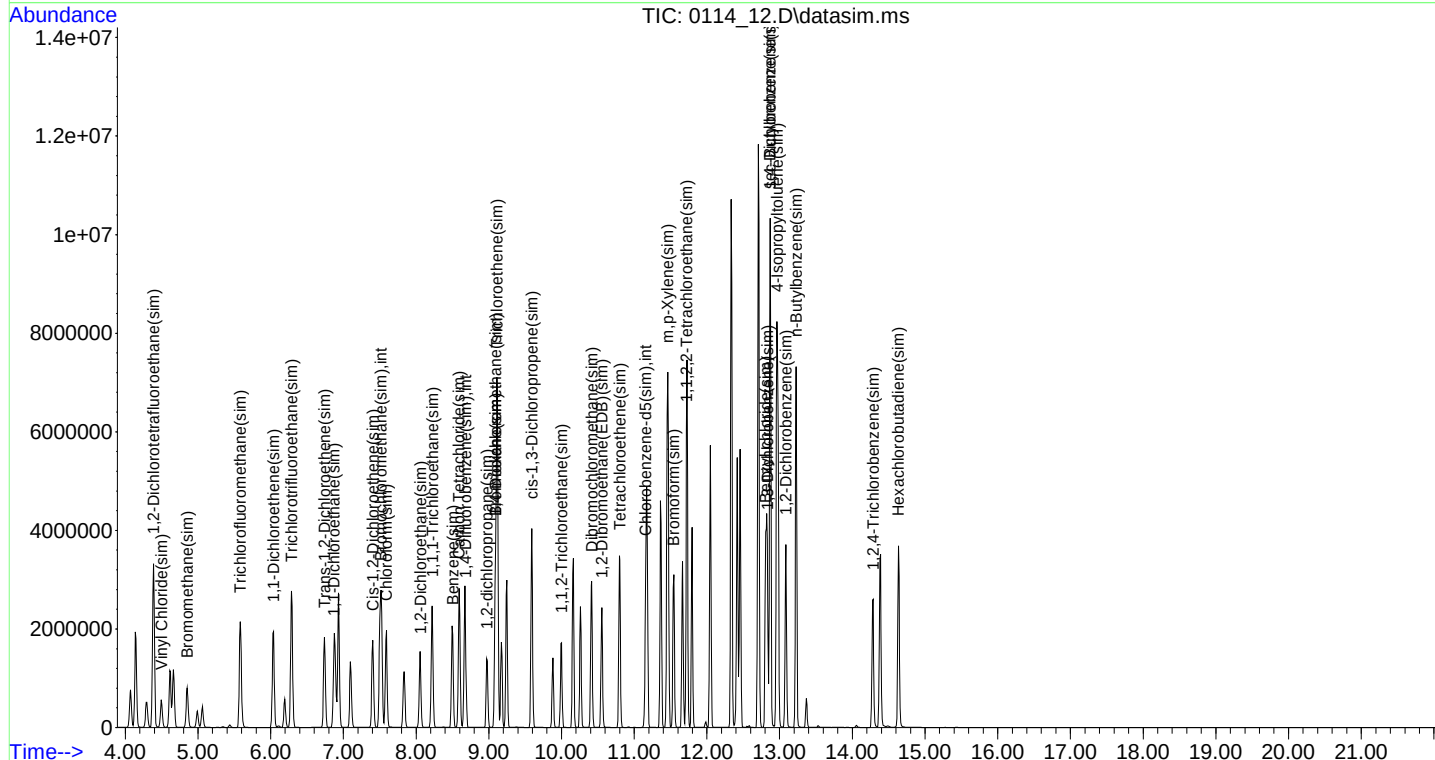
Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_12.D
Acq On : 14 Jan 2025 4:06 pm
Operator : Keith
Client ID : ICAL 25
Lab ID : 25 ppb ; T01511
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 14 16:31:08 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:28:46 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	5369596	20.288	ppbv	97
115]	4-Isopropyltoluene(sim)	12.960	119	4782407	22.274	ppbv	96
116]	1,2-Dichlorobenzene(sim)	13.087	146	2525829	27.585	ppbv	97
117]	n-Butylbenzene(sim)	13.224	91	4129839	32.575	ppbv	98
118]	1,2,4-Trichlorobenzene...	14.285	180	1699854	5.605	ppbv	100
119]	Hexachlorobutadiene(sim)	14.632	225	2165198	21.246	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_12.D
Acq On : 14 Jan 2025 4:06 pm
Operator : Keith
Client ID : ICAL 25
Lab ID : 25 ppb ; T01511
ALS Vial : 12 Sample Multiplier: 1



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_13.D
 Acq On : 14 Jan 2025 4:47 pm
 Operator : Keith
 Client ID : ICAL 40
 Lab ID : 40 ppb ; T01511
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 14 18:20:21 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:43:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	265112	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	918864	10.000	ng	0.00
53) Chlorobenzene-d5	11.155	82	604475	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	265238	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	918864	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.155	82	604194	10.000	ng	# 0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	634175	8.478	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	84.80%	
Target Compounds						
					Qvalue	
2) Propylene	4.070	41	928919	38.769	ppbv	96
3) Dichlorodifluoromethane	4.145	85	3352610	41.650	ppbv	97
4) Chloromethane	4.294	50	1079110	36.789	ppbv	100
5) 1,2-Dichlorotetrafluor...	4.385	85	3185859	39.030	ppbv#	84
6) Vinyl Chloride	4.493	62	1159087	38.548	ppbv	99
7) 1,3-Butadiene	4.617	54	906452	37.976	ppbv	93
8) Bromomethane	4.850	94	1171816	36.876	ppbv	99
9) Chloroethane	4.991	64	502972	37.879	ppbv	99
11) Ethanol	5.057	45	532248	36.589	ppbv#	92
12) Acetone	5.437	43	1942583	39.350	ppbv	92
13) Trichlorofluoromethane	5.578	101	3579965	41.581	ppbv	99
14) Isopropylalcohol	5.602	45	2205013	38.545	ppbv#	91
15) Acrylonitrile	5.772	53	834644	40.666	ppbv	98
16) 1,1-Dichloroethene	6.034	61	1956456	40.161	ppbv	98
17) Methylene Chloride	6.112	49	1467036	37.705	ppbv	89
20) Carbon Disulfide	6.344	76	3070091	39.554	ppbv	99
21) Trichlorotrifluoroethane	6.284	101	2562151	39.402	ppbv	92
22) Trans-1,2-Dichloroethene	6.737	61	1813517	40.378	ppbv	93
23) 1,1-Dichloroethane	6.874	63	2156907	39.800	ppbv	97
24) Methyl tert-butyl ethe...	6.891	73	3014337	40.380	ppbv#	89
25) Methyl Ethyl Ketone	7.101	43	2519321	39.965	ppbv#	94
26) Cis-1,2-Dichloroethene	7.402	61	1719742	40.535	ppbv	93
27) Hexane	7.523	57	1689972	40.352	ppbv#	91
28) Chloroform	7.588	83	2579193	40.295	ppbv	98
29) Ethyl acetate	7.499	61	398185	40.711	ppbv#	83
30) Tetrahydrofuran	7.831	42	1214817	40.892	ppbv#	85
31) 1,2-Dichloroethane	8.058	62	1861300	40.944	ppbv	95
32) 1,1,1-Trichloroethane	8.221	97	2786784	41.485	ppbv	98
33) Benzene	8.502	78	3431106	39.728	ppbv	96
34) Carbon Tetrachloride	8.588	117	3102247	43.094	ppbv	99
35) Cyclohexane	8.675	84	1249491	37.804	ppbv#	78
37) 1,2-dichloropropane	8.978	63	1478839	41.392	ppbv#	93
38) Bromodichloromethane	9.090	83	2996751	42.697	ppbv	98
39) Trichloroethene	9.116	130	1788930	40.513	ppbv	97
40) 2,2,4-trimethylpentane	9.116	57	5582239	40.391	ppbv	97
41) 1,4-Dioxane	9.090	88	798732	41.389	ppbv	82
43) Heptane	9.246	43	2252054	40.513	ppbv#	90
44) cis-1,3-Dichloropropene	9.596	75	2366691	43.519	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.589	43	3172976	41.650	ppbv#	96
46) trans-1,3-Dichloropropene	9.884	75	1968630	44.794	ppbv	95
47) 1,1,2-Trichloroethane	9.997	97	1634031	41.859	ppbv	97
48) Toluene	10.159	91	4441301	40.654	ppbv	100

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_13.D
 Acq On : 14 Jan 2025 4:47 pm
 Operator : Keith
 Client ID : ICAL 40
 Lab ID : 40 ppb ; T01511
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 14 18:20:21 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 16:43:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	3513973	44.767	ppbv	98
50) 2-Hexanone(MBK)	10.264	43	2988193	45.144	ppbv	94
51) 1,2-Dibromoethane(EDB)	10.553	107	2812414	41.989	ppbv	98
52) Tetrachloroethene	10.799	166	2483998	40.704	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.162	131	2258872	33.742	ppbv	99
55) Chlorobenzene	11.177	112	3700536	32.214	ppbv	99
56) Ethylbenzene	11.367	91	5765561	31.874	ppbv	98
57) m, p-Xylene	11.465	91	8924095	65.668	ppbv	98
58) Bromoform	11.541	173	3572156	37.021	ppbv	99
59) Styrene	11.663	104	3394909	34.850	ppbv	94
60) 1,1,2,2-Tetrachloroethane	11.723	83	3564194	33.546	ppbv	93
61) o-Xylene	11.731	91	4681419	32.097	ppbv	96
64) Isopropylbenzene	12.049	105	6398304	31.721	ppbv	98
66) 4-Ethyltoluene	12.416	105	6501904	33.513	ppbv	96
67) 1,3,5-Trimethylbenzene	12.455	105	5335333	33.169	ppbv	92
68) 1,2,4-Trimethylbenzene	12.711	105	5845666	35.010	ppbv	96
70) Benzyl chloride	12.812	91	4411683	34.474	ppbv	98
71) 1,3-Dichlorobenzene	12.828	146	4057298	40.228	ppbv	98
72) 1,4-Dichlorobenzene	12.867	146	3532021	38.878	ppbv	97
73) sec-Butylbenzene	12.874	105	7963106	32.018	ppbv	98
74) 4-Isopropyltoluene	12.960	119	7472945	33.097	ppbv	94
75) 1,2-Dichlorobenzene	13.084	146	3738221	37.848	ppbv	96
76) n-Butylbenzene	13.232	91	6535121	38.244	ppbv	97
77) 1,2,4-Trichlorobenzene	14.282	180	2806750	34.385	ppbv	97
78) Naphthalene	14.383	128	6143744	33.720	ppbv#	97
79) Hexachlorobutadiene	14.639	225	3423608	33.878	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.385	85	3181294	36.335	ppbv#	84
82] Vinyl Chloride(sim)	4.496	62	1215037	36.121	ppbv	97
83] Bromomethane(sim)	4.850	94	1171816	32.750	ppbv	99
84] Trichlorofluoromethane...	5.581	101	3513619	38.799	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.058	62	1861300	39.085	ppbv	95
86] 1,1,1-Trichloroethane(...	8.224	97	2959875	41.013	ppbv#	99
87] Benzene(sim)	8.502	78	3431106	37.251	ppbv	96
88] Carbon Tetrachloride(sim)	8.591	117	3139058	44.458	ppbv	99
89] 1,1-Dichloroethene(sim)	6.034	61	1956456	37.086	ppbv	98
90] Trichlorotrifluoroetha...	6.287	101	2634311	37.529	ppbv#	96
91] Trans-1,2-Dichloroethe...	6.737	61	1813517	37.556	ppbv	93
92] 1,1-Dichloroethane(sim)	6.869	63	2295438	38.295	ppbv	96
93] Cis-1,2-Dichloroethene...	7.402	61	1719742	36.761	ppbv	93
94] Chloroform(sim)	7.591	83	2709328	38.817	ppbv	98
96] 1,2-dichloropropane(sim)	8.980	63	1567424	39.766	ppbv#	87
97] Bromodichloromethane(sim)	9.090	83	2996751	41.887	ppbv	99
98] Trichloroethene(sim)	9.110	130	1823503	38.051	ppbv	93
99] 1,4-Dioxane(sim)	9.090	88	798732	41.363	ppbv	82
100] cis-1,3-Dichloropropen...	9.592	75	2507221	44.119	ppbv	97
101] 1,1,2-Trichloroethane(...	9.997	97	1634031	40.195	ppbv	97
102] Dibromochloromethane(sim)	10.415	129	3537665	46.725	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	2812385	41.263	ppbv	98
104] Tetrachloroethene(sim)	10.802	166	2476658	34.355	ppbv	99
106] Bromoform(sim)	11.544	173	3436275	38.175	ppbv	99
107] m, p-Xylene(sim)	11.465	91	8932886	54.290	ppbv	98
108] 1,1,2,2-Tetrachloroeth...	11.726	83	3658993	31.070	ppbv	97
111] Benzyl chloride(sim)	12.812	91	4411683	15.427	ppbv	98
112] 1,3-Dichlorobenzene(sim)	12.831	146	4179881	43.632	ppbv	96
113] 1,4-Dichlorobenzene(sim)	12.867	146	3532021	46.869	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_13.D
Acq On : 14 Jan 2025 4:47 pm
Operator : Keith
Client ID : ICAL 40
Lab ID : 40 ppb ; T01511
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 14 18:20:21 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 16:43:00 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	8194449	28.099	ppbv	96
115]	4-Isopropyltoluene(sim)	12.960	119	7474174	31.593	ppbv	94
116]	1,2-Dichlorobenzene(sim)	13.087	146	4084753	40.486	ppbv	96
117]	n-Butylbenzene(sim)	13.232	91	6535121	46.782	ppbv	97
118]	1,2,4-Trichlorobenzene...	14.285	180	3059247	17.638	ppbv	100
119]	Hexachlorobutadiene(sim)	14.639	225	3429166	30.538	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\0114\14\
 Data File : 0114_14.D
 Acq On : 14 Jan 2025 5:22 pm
 Operator : Keith
 Client ID : ICAL 1
 Lab ID : 1ppb ; T01509 ; AIR36
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 14 18:26:30 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 18:25:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	299571	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	1031203	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	487699	10.000	ng	0.00
80) Bromochloromethane(sim)	7.510	130	299247	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	1031193	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	487699	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.981	95	621086	10.432	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Propylene	4.070	41	24753	0.914	ppbv	97
3) Dichlorodifluoromethane	4.145	85	91580	1.007	ppbv	98
4) Chloromethane	4.294	50	31728	0.957	ppbv	98
5) 1,2-Dichlorotetrafluor...	4.386	85	88682	0.961	ppbv#	85
6) Vinyl Chloride	4.493	62	32859	0.967	ppbv	97
7) 1,3-Butadiene	4.618	54	25546	0.947	ppbv#	90
8) Bromomethane	4.850	94	34227	0.953	ppbv	98
9) Chloroethane	4.991	64	14777	0.985	ppbv	96
11) Ethanol	5.065	45	16180	0.984	ppbv	96
12) Acetone	5.449	43	55025	0.986	ppbv	91
13) Trichlorofluoromethane	5.578	101	94994	0.976	ppbv	98
14) Isopropylalcohol	5.621	45	67334	1.042	ppbv#	91
15) Acrylonitrile	5.772	53	22982	0.991	ppbv	96
16) 1,1-Dichloroethene	6.034	61	53321	0.969	ppbv	97
17) Methylene Chloride	6.112	49	42564	0.968	ppbv	90
20) Carbon Disulfide	6.344	76	86705	0.989	ppbv	97
21) Trichlorotrifluoroethane	6.284	101	71943	0.979	ppbv	92
22) Trans-1,2-Dichloroethene	6.737	61	49254	0.970	ppbv	91
23) 1,1-Dichloroethane	6.875	63	59698	0.975	ppbv	97
24) Methyl tert-butyl ethe...	6.907	73	82275	0.975	ppbv#	92
25) Methyl Ethyl Ketone	7.110	43	69274	0.973	ppbv	94
26) Cis-1,2-Dichloroethene	7.402	61	46358	0.967	ppbv	92
27) Hexane	7.523	57	46178	0.976	ppbv#	88
28) Chloroform	7.588	83	70315	0.972	ppbv	98
29) Ethyl acetate	7.507	61	10872	0.984	ppbv#	87
30) Tetrahydrofuran	7.848	42	32241	0.960	ppbv#	85
31) 1,2-Dichloroethane	8.051	62	49914	0.972	ppbv	97
32) 1,1,1-Trichloroethane	8.221	97	73985	0.975	ppbv	98
33) Benzene	8.502	78	92872	0.952	ppbv	96
34) Carbon Tetrachloride	8.588	117	79099	0.972	ppbv	99
35) Cyclohexane	8.666	84	35258	0.944	ppbv	86
37) 1,2-dichloropropane	8.978	63	38391	0.957	ppbv#	90
38) Bromodichloromethane	9.090	83	76059	0.966	ppbv	97
39) Trichloroethene	9.108	130	48831	0.985	ppbv	96
40) 2,2,4-trimethylpentane	9.116	57	152071	0.980	ppbv	97
41) 1,4-Dioxane	9.099	88	22649	1.046	ppbv	83
43) Heptane	9.246	43	60578	0.971	ppbv#	90
44) cis-1,3-Dichloropropene	9.589	75	58250	0.954	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.596	43	84602	0.990	ppbv	95
46) trans-1,3-Dichloropropene	9.877	75	47450	0.962	ppbv	94
47) 1,1,2-Trichloroethane	9.997	97	41937	0.957	ppbv	95
48) Toluene	10.159	91	118567	0.967	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_14.D
 Acq On : 14 Jan 2025 5:22 pm
 Operator : Keith
 Client ID : ICAL 1
 Lab ID : 1ppb ; T01509 ; AIR36
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 14 18:26:30 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 18:25:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.405	129	84383	0.958	ppbv	97
50) 2-Hexanone(MBK)	10.272	43	72473	0.976	ppbv	92
51) 1,2-Dibromoethane(EDB)	10.553	107	73083	0.972	ppbv	98
52) Tetrachloroethene	10.800	166	67243	0.982	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.162	131	56526	1.047	ppbv	99
55) Chlorobenzene	11.178	112	98179	1.059	ppbv	95
56) Ethylbenzene	11.367	91	151191	1.036	ppbv	98
57) m, p-Xylene	11.458	91	235799	2.151	ppbv	97
58) Bromoform	11.541	173	79612	1.023	ppbv	100
59) Styrene	11.663	104	81946	1.043	ppbv	95
60) 1,1,2,2-Tetrachloroethane	11.723	83	88741	1.035	ppbv	96
61) o-Xylene	11.723	91	123352	1.048	ppbv	96
64) Isopropylbenzene	12.042	105	172991	1.063	ppbv	97
66) 4-Ethyltoluene	12.416	105	170087	1.087	ppbv	98
67) 1,3,5-Trimethylbenzene	12.455	105	135907	1.047	ppbv	96
68) 1,2,4-Trimethylbenzene	12.711	105	141518	1.050	ppbv	97
70) Benzyl chloride	12.805	91	53327	0.672	ppbv	98
71) 1,3-Dichlorobenzene	12.828	146	84046	1.033	ppbv	99
72) 1,4-Dichlorobenzene	12.867	146	74556	1.017	ppbv	99
73) sec-Butylbenzene	12.875	105	213029	1.062	ppbv	97
74) 4-Isopropyltoluene	12.960	119	192321	1.056	ppbv	96
75) 1,2-Dichlorobenzene	13.085	146	81206	1.019	ppbv	98
76) n-Butylbenzene	13.225	91	136612	0.991	ppbv	97
77) 1,2,4-Trichlorobenzene	14.282	180	35368	0.909	ppbv	96
78) Naphthalene	14.383	128	94603	0.924	ppbv#	99
79) Hexachlorobutadiene	14.632	225	85169	1.045	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.386	85	88682	0.898	ppbv#	85
82] Vinyl Chloride(sim)	4.496	62	34139	0.900	ppbv	97
83] Bromomethane(sim)	4.850	94	34227	0.848	ppbv	98
84] Trichlorofluoromethane...	5.581	101	99085	0.970	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.051	62	49914	0.929	ppbv	97
86] 1,1,1-Trichloroethane(...	8.216	97	78836	0.968	ppbv#	98
87] Benzene(sim)	8.502	78	92872	0.894	ppbv	96
88] Carbon Tetrachloride(sim)	8.591	117	80066	1.005	ppbv	99
89] 1,1-Dichloroethene(sim)	6.034	61	53321	0.896	ppbv	97
90] Trichlorotrifluoroetha...	6.287	101	74736	0.944	ppbv#	95
91] Trans-1,2-Dichloroethe...	6.737	61	49254	0.904	ppbv	91
92] 1,1-Dichloroethane(sim)	6.869	63	63131	0.934	ppbv	97
93] Cis-1,2-Dichloroethene...	7.402	61	46358	0.878	ppbv	92
94] Chloroform(sim)	7.591	83	74433	0.945	ppbv	99
96] 1,2-dichloropropane(sim)	8.972	63	40554	0.917	ppbv#	85
97] Bromodichloromethane(sim)	9.090	83	76059	0.947	ppbv	98
98] Trichloroethene(sim)	9.110	130	50137	0.932	ppbv	94
99] 1,4-Dioxane(sim)	9.099	88	22649	1.045	ppbv	83
100] cis-1,3-Dichloropropen...	9.592	75	62937	0.987	ppbv	97
101] 1,1,2-Trichloroethane(...	9.997	97	41937	0.919	ppbv	95
102] Dibromochloromethane(sim)	10.408	129	85372	1.005	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	73083	0.955	ppbv	98
104] Tetrachloroethene(sim)	10.795	166	67386	0.833	ppbv	99
106] Bromoform(sim)	11.537	173	76732	1.056	ppbv	100
107] m, p-Xylene(sim)	11.458	91	235799	1.775	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.719	83	93332	0.982	ppbv	98
111] Benzyl chloride(sim)	12.805	91	53327	1.125	ppbv	98
112] 1,3-Dichlorobenzene(sim)	12.823	146	94815	1.226	ppbv	97
113] 1,4-Dichlorobenzene(sim)	12.867	146	74556	1.226	ppbv	99

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_14.D
Acq On : 14 Jan 2025 5:22 pm
Operator : Keith
Client ID : ICAL 1
Lab ID : 1ppb ; T01509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

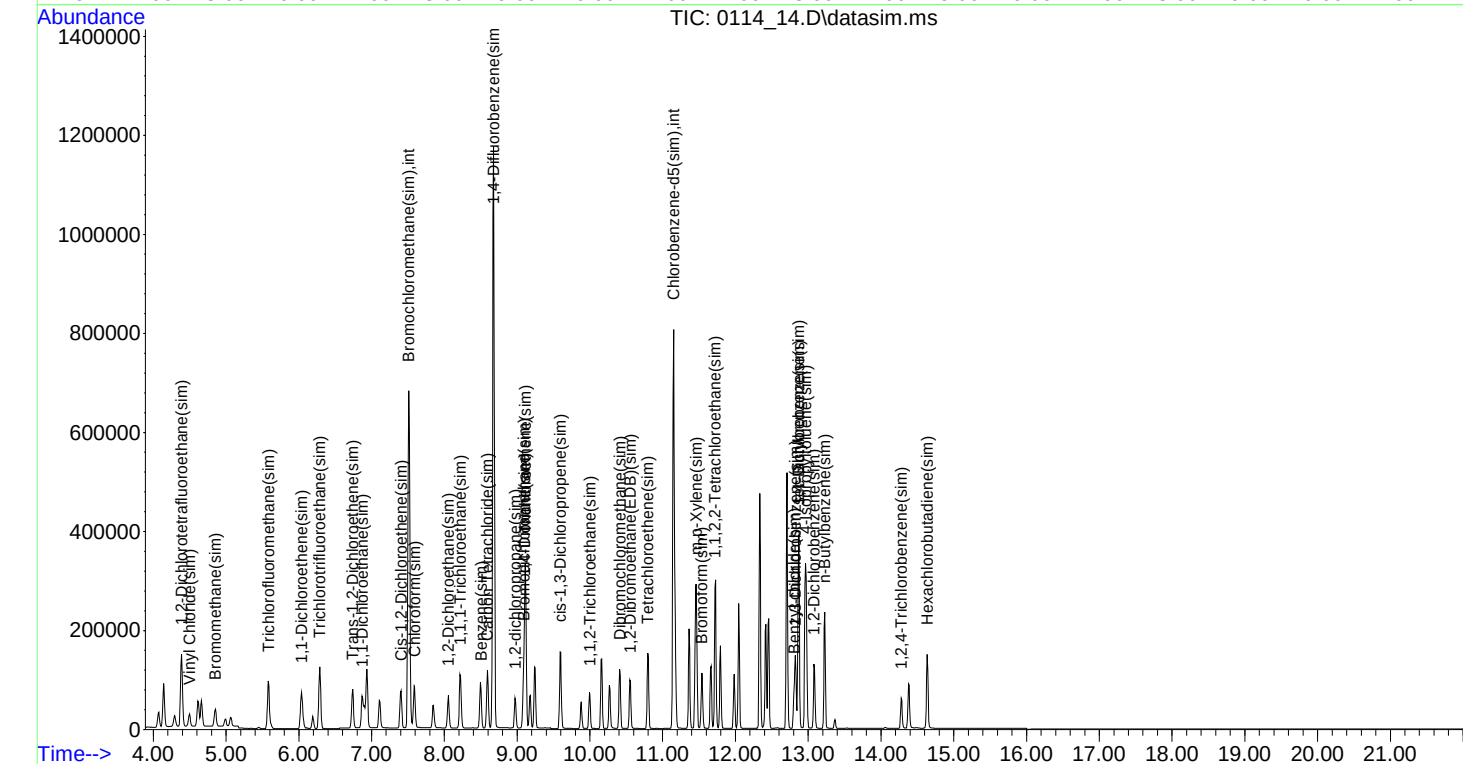
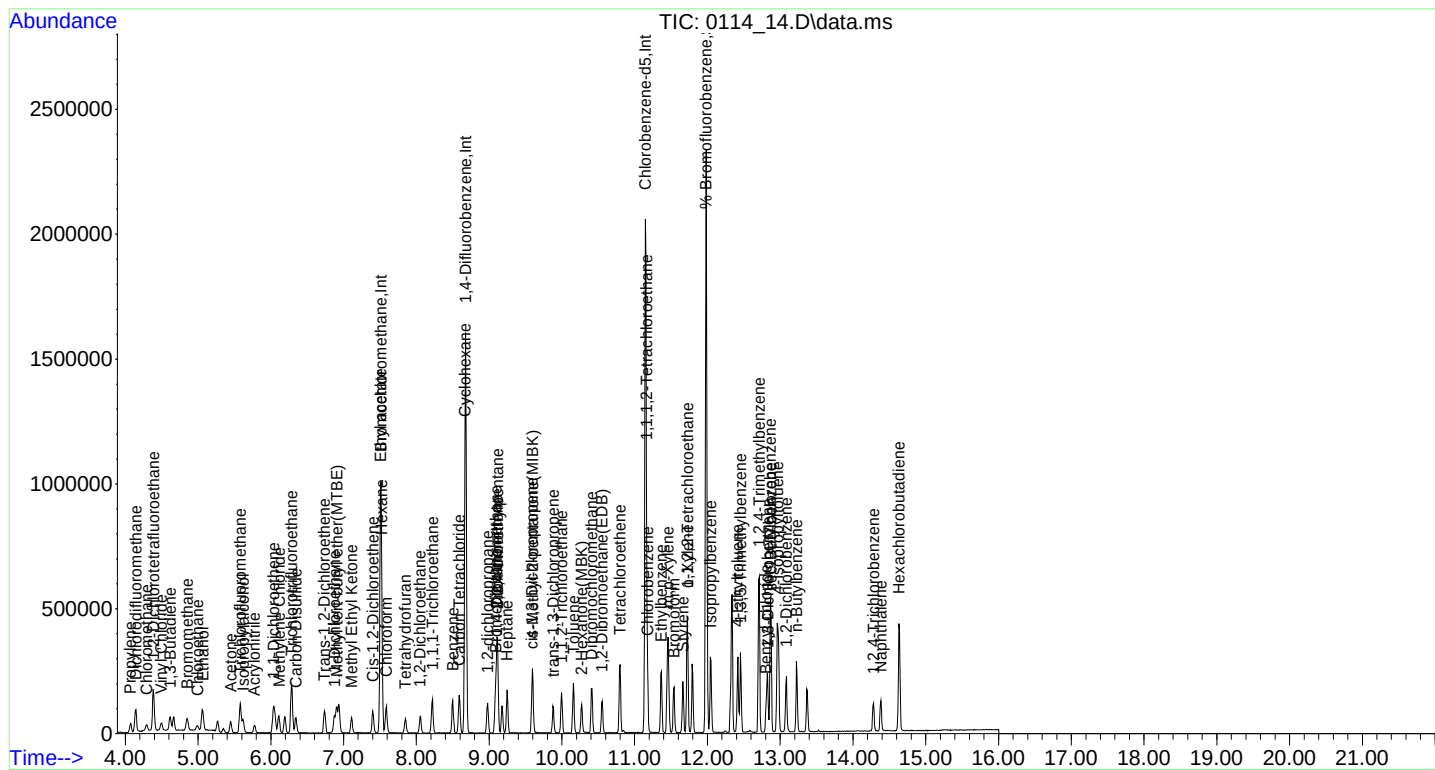
Quant Time: Jan 14 18:26:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 18:25:49 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	231513	0.983	ppbv	98
115]	4-Isopropyltoluene(sim)	12.960	119	192321	1.007	ppbv	95
116]	1,2-Dichlorobenzene(sim)	13.080	146	90939	1.117	ppbv	97
117]	n-Butylbenzene(sim)	13.225	91	136612	1.212	ppbv	97
118]	1,2,4-Trichlorobenzene...	14.277	180	39806	1.004	ppbv	99
119]	Hexachlorobutadiene(sim)	14.632	225	84655	0.934	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_14.D
Acq On : 14 Jan 2025 5:22 pm
Operator : Keith
Client ID : ICAL 1
Lab ID : 1ppb ; T01509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 14 18:26:30 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 18:25:49 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_15.D
 Acq On : 14 Jan 2025 6:01 pm
 Operator : Keith
 Client ID : ICAL 10
 Lab ID : 10ppb ; T01509 ; AIR36
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 14 18:26:48 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 18:25:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	273381	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	961104	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	496515	10.000	ng	0.00
80) Bromochloromethane(sim)	7.510	130	275563	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	961104	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	496638	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.981	95	623585	10.288	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 102.90%	

Target Compounds

						Qvalue
2) Propylene	4.070	41	230203	9.317	ppbv	94
3) Dichlorodifluoromethane	4.137	85	820536	9.885	ppbv	98
4) Chloromethane	4.294	50	283705	9.380	ppbv	100
5) 1,2-Dichlorotetrafluor...	4.385	85	832203	9.887	ppbv	85
6) Vinyl Chloride	4.493	62	298043	9.612	ppbv	98
7) 1,3-Butadiene	4.618	54	234800	9.539	ppbv	92
8) Bromomethane	4.850	94	303401	9.259	ppbv	99
9) Chloroethane	4.991	64	127914	9.342	ppbv	99
11) Ethanol	5.057	45	130240	8.682	ppbv	94
12) Acetone	5.437	43	476296	9.356	ppbv	91
13) Trichlorofluoromethane	5.578	101	859899	9.686	ppbv	98
14) Isopropylalcohol	5.603	45	573887	9.729	ppbv#	93
15) Acrylonitrile	5.772	53	208579	9.855	ppbv	97
16) 1,1-Dichloroethene	6.034	61	495583	9.865	ppbv	97
17) Methylene Chloride	6.112	49	370409	9.232	ppbv	89
20) Carbon Disulfide	6.344	76	776941	9.707	ppbv	99
21) Trichlorotrifluoroethane	6.284	101	653103	9.740	ppbv	93
22) Trans-1,2-Dichloroethene	6.737	61	454780	9.819	ppbv	93
23) 1,1-Dichloroethane	6.875	63	551633	9.871	ppbv	97
24) Methyl tert-butyl ethe...	6.891	73	769199	9.992	ppbv#	89
25) Methyl Ethyl Ketone	7.102	43	627946	9.660	ppbv#	93
26) Cis-1,2-Dichloroethene	7.402	61	429572	9.819	ppbv	93
27) Hexane	7.523	57	429541	9.946	ppbv#	90
28) Chloroform	7.588	83	658345	9.974	ppbv	98
29) Ethyl acetate	7.499	61	101910	10.104	ppbv#	85
30) Tetrahydrofuran	7.840	42	308983	10.086	ppbv#	87
31) 1,2-Dichloroethane	8.050	62	462338	9.863	ppbv	95
32) 1,1,1-Trichloroethane	8.221	97	700477	10.112	ppbv	98
33) Benzene	8.502	78	878965	9.869	ppbv	96
34) Carbon Tetrachloride	8.588	117	760037	10.238	ppbv	99
35) Cyclohexane	8.666	84	325939	9.563	ppbv#	79
37) 1,2-dichloropropane	8.978	63	368095	9.850	ppbv#	91
38) Bromodichloromethane	9.090	83	736721	10.035	ppbv	99
39) Trichloroethene	9.107	130	455546	9.863	ppbv	97
40) 2,2,4-trimethylpentane	9.116	57	1412430	9.771	ppbv	97
41) 1,4-Dioxane	9.090	88	202757	10.045	ppbv	82
43) Heptane	9.246	43	562081	9.667	ppbv#	90
44) cis-1,3-Dichloropropene	9.589	75	579216	10.183	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.589	43	790832	9.925	ppbv	96
46) trans-1,3-Dichloropropene	9.877	75	473954	10.310	ppbv	95
47) 1,1,2-Trichloroethane	9.997	97	405179	9.923	ppbv	96
48) Toluene	10.159	91	1142872	10.002	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
 Data File : 0114_15.D
 Acq On : 14 Jan 2025 6:01 pm
 Operator : Keith
 Client ID : ICAL 10
 Lab ID : 10ppb ; T01509 ; AIR36
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 14 18:26:48 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 18:25:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	858292	10.454	ppbv	98
50) 2-Hexanone(MBK)	10.265	43	727120	10.502	ppbv	93
51) 1,2-Dibromoethane(EDB)	10.553	107	700207	9.995	ppbv	98
52) Tetrachloroethene	10.799	166	623017	9.760	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.162	131	551153	10.023	ppbv	99
55) Chlorobenzene	11.177	112	924691	9.800	ppbv	99
56) Ethylbenzene	11.367	91	1463941	9.853	ppbv	98
57) m, p-Xylene	11.458	91	2262707	20.270	ppbv	97
58) Bromoform	11.541	173	848292	10.703	ppbv	99
59) Styrene	11.663	104	830021	10.373	ppbv	94
60) 1,1,2,2-Tetrachloroethane	11.723	83	874512	10.020	ppbv	94
61) o-Xylene	11.723	91	1170476	9.770	ppbv	96
64) Isopropylbenzene	12.042	105	1634539	9.866	ppbv	98
66) 4-Ethyltoluene	12.416	105	1691250	10.613	ppbv	98
67) 1,3,5-Trimethylbenzene	12.455	105	1317231	9.970	ppbv	92
68) 1,2,4-Trimethylbenzene	12.711	105	1431615	10.438	ppbv	97
70) Benzyl chloride	12.805	91	921091	10.962	ppbv	98
71) 1,3-Dichlorobenzene	12.828	146	916490	11.063	ppbv	98
72) 1,4-Dichlorobenzene	12.867	146	852787	11.428	ppbv	99
73) sec-Butylbenzene	12.875	105	2020228	9.889	ppbv	97
74) 4-Isopropyltoluene	12.960	119	1875442	10.112	ppbv	96
75) 1,2-Dichlorobenzene	13.084	146	901646	11.114	ppbv	97
76) n-Butylbenzene	13.224	91	1594264	11.359	ppbv	98
77) 1,2,4-Trichlorobenzene	14.282	180	463138	10.421	ppbv	96
78) Naphthalene	14.383	128	1149339	10.388	ppbv#	98
79) Hexachlorobutadiene	14.639	225	881794	10.623	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.385	85	830950	9.135	ppbv	85
82] Vinyl Chloride(sim)	4.496	62	315941	9.040	ppbv	97
83] Bromomethane(sim)	4.850	94	303401	8.162	ppbv	99
84] Trichlorofluoromethane...	5.581	101	895603	9.519	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.050	62	462338	9.345	ppbv	95
86] 1,1,1-Trichloroethane(...	8.224	97	747246	9.966	ppbv#	98
87] Benzene(sim)	8.502	78	878961	9.185	ppbv	96
88] Carbon Tetrachloride(sim)	8.591	117	773759	10.548	ppbv	99
89] 1,1-Dichloroethene(sim)	6.034	61	495583	9.042	ppbv	97
90] Trichlorotrifluoroetha...	6.287	101	676403	9.275	ppbv#	96
91] Trans-1,2-Dichloroethe...	6.737	61	454780	9.065	ppbv	93
92] 1,1-Dichloroethane(sim)	6.869	63	585970	9.409	ppbv	97
93] Cis-1,2-Dichloroethene...	7.402	61	429572	8.838	ppbv	93
94] Chloroform(sim)	7.591	83	693086	9.558	ppbv	98
96] 1,2-dichloropropane(sim)	8.972	63	392029	9.509	ppbv#	87
97] Bromodichloromethane(sim)	9.090	83	736721	9.845	ppbv	99
98] Trichloroethene(sim)	9.110	130	467104	9.319	ppbv	94
99] 1,4-Dioxane(sim)	9.090	88	202757	10.038	ppbv	82
100] cis-1,3-Dichloropropen...	9.592	75	617488	10.388	ppbv	97
101] 1,1,2-Trichloroethane(...	9.997	97	405179	9.529	ppbv	96
102] Dibromochloromethane(sim)	10.408	129	858674	10.843	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	700207	9.822	ppbv	98
104] Tetrachloroethene(sim)	10.795	166	633573	8.402	ppbv	100
106] Bromoform(sim)	11.537	173	813517	10.995	ppbv	100
107] m, p-Xylene(sim)	11.458	91	2267216	16.763	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.719	83	913595	9.438	ppbv	97
111] Benzyl chloride(sim)	12.805	91	921091	7.645	ppbv	98
112] 1,3-Dichlorobenzene(sim)	12.823	146	1030004	13.080	ppbv	97
113] 1,4-Dichlorobenzene(sim)	12.867	146	852332	13.760	ppbv	99

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_15.D
Acq On : 14 Jan 2025 6:01 pm
Operator : Keith
Client ID : ICAL 10
Lab ID : 10ppb ; T01509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

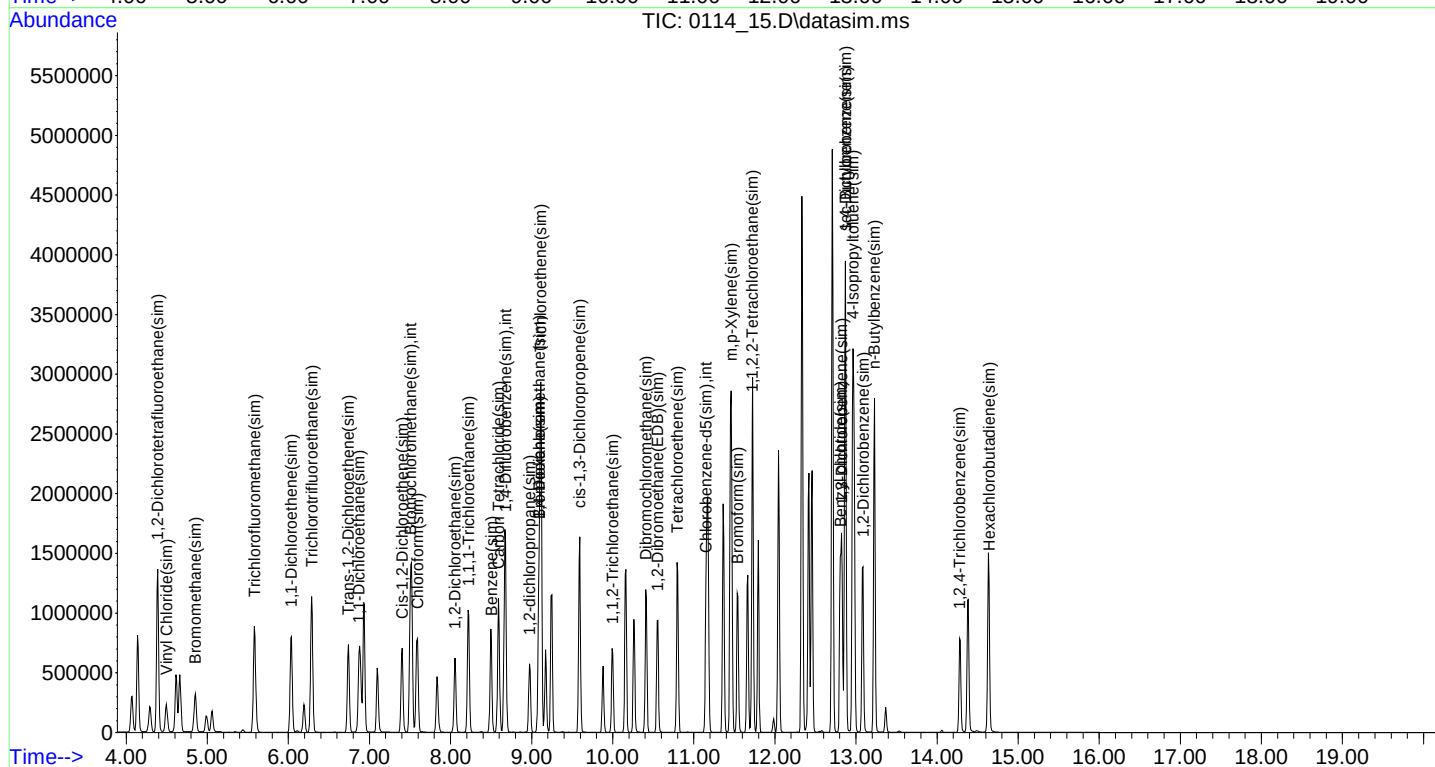
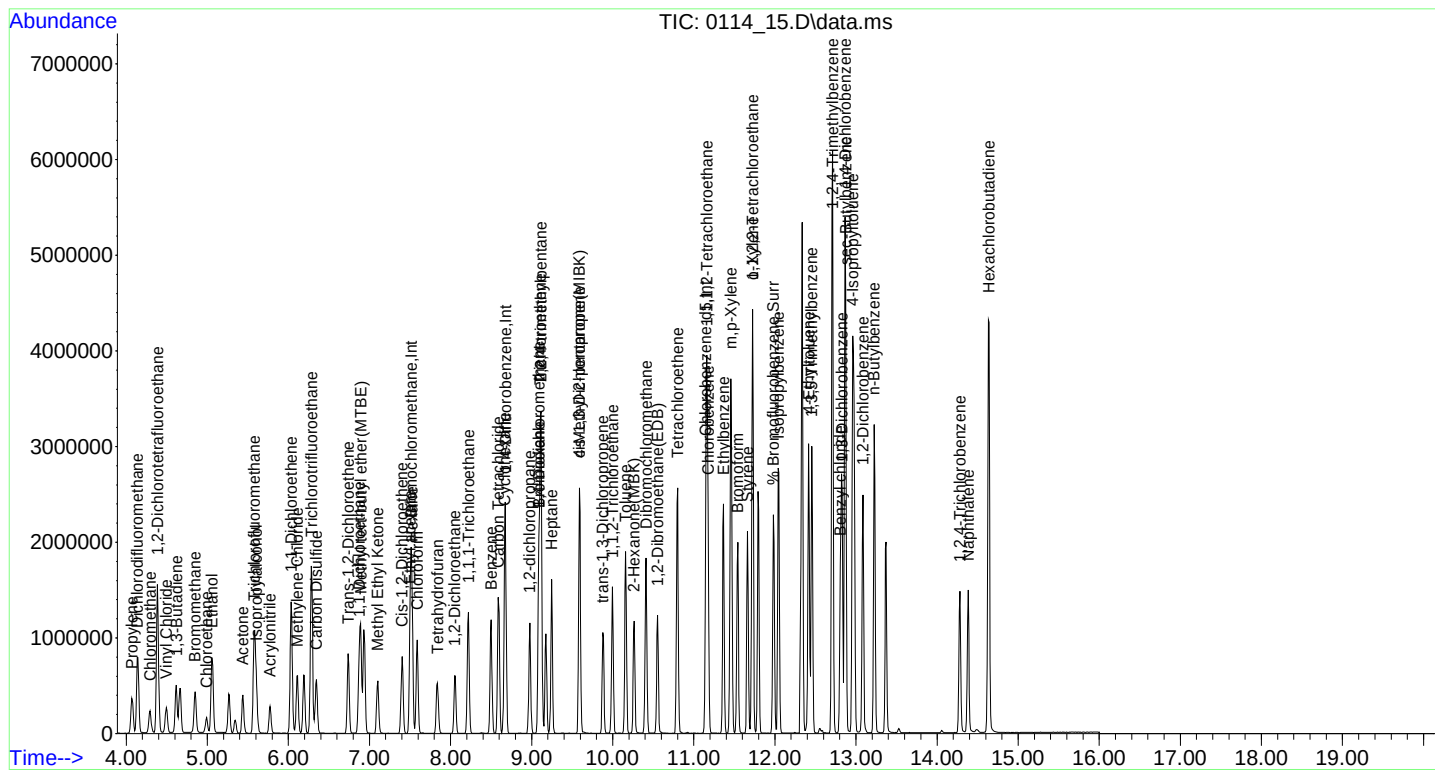
Quant Time: Jan 14 18:26:48 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 18:25:49 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	2165321	9.033	ppbv	98
115]	4-Isopropyltoluene(sim)	12.960	119	1876025	9.647	ppbv	96
116]	1,2-Dichlorobenzene(sim)	13.087	146	993020	11.974	ppbv	98
117]	n-Butylbenzene(sim)	13.224	91	1593969	13.882	ppbv	98
118]	1,2,4-Trichlorobenzene...	14.277	180	504683	3.481	ppbv	99
119]	Hexachlorobutadiene(sim)	14.639	225	881254	9.548	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\0114\14\
Data File : 0114_15.D
Acq On : 14 Jan 2025 6:01 pm
Operator : Keith
Client ID : ICAL 10
Lab ID : 10ppb ; T01509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 14 18:26:48 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 18:25:49 2025
Response via : Initial Calibration



3
AIR ICV RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCS55361
 ICV - Client Id: ICV_CHEM24_0114

COMPOUND	SPIKE ADDED (ppbv)		ICV CONCENTRATION (ppbv)	ICV % REC #	QC. LIMITS REC.	
Propylene	10		9.875	99	70	130
Dichlorodifluoromethane	10		10.42	104	70	130
Chloromethane	10		9.877	99	70	130
1,2-Dichlorotetrafluoroethane	10		10.37	104	70	130
Vinyl Chloride	10		10.14	101	70	130
1,3-Butadiene	10		9.753	98	70	130
Bromomethane	10		9.453	95	70	130
Chloroethane	10		9.725	97	70	130
Ethanol	10		6.158	62 *	70	130
Acetone	10		9.979	100	70	130
Trichlorofluoromethane	10		10.22	102	70	130
Isopropylalcohol	10		9.703	97	70	130
Acrylonitrile	10		9.969	100	70	130
1,1-Dichloroethene	10		10.45	105	70	130
Methylene Chloride	10		9.714	97	70	130
Carbon Disulfide	10		10.23	102	70	130
Trichlorotrifluoroethane	10		10.39	104	70	130
Trans-1,2-Dichloroethene	10		10.22	102	70	130
1,1-Dichloroethane	10		10.43	104	70	130
Methyl tert-butyl ether(MTBE)	10		10.40	104	70	130
Methyl Ethyl Ketone	10		10.22	102	70	130
Cis-1,2-Dichloroethene	10		10.43	104	70	130
Hexane	10		10.44	104	70	130
Chloroform	10		10.56	106	70	130
Ethyl acetate	10		12.68	127	70	130
Tetrahydrofuran	10		10.48	105	70	130
1,2-Dichloroethane	10		10.57	106	70	130
1,1,1-Trichloroethane	10		10.70	107	70	130
Benzene	10		10.32	103	70	130
Carbon Tetrachloride	10		10.85	109	70	130
Cyclohexane	10		9.850	99	70	130
1,2-dichloropropane	10		10.32	103	70	130
Bromodichloromethane	10		10.39	104	70	130
Trichloroethene	10		10.39	104	70	130
2,2,4-trimethylpentane	10		9.891	99	70	130
1,4-Dioxane	10		9.073	91	70	130
Heptane	10		10.21	102	70	130
cis-1,3-Dichloropropene	10		10.66	107	70	130
4-Methyl-2-pentanone(MIBK)	10		9.869	99	70	130
trans-1,3-Dichloropropene	10		10.74	107	70	130
1,1,2-Trichloroethane	10		10.48	105	70	130
Toluene	10		10.44	104	70	130
Dibromochloromethane	10		10.97	110	70	130
2-Hexanone(MBK)	10		10.20	102	70	130

FORM III AIR

ICV - Client Id: ICV_CHEM24_0114[illegible]

Data Path : H:\AIR2025\CHEM24\0114\14\
 Data File : 0114_16.D
 Acq On : 14 Jan 2025 6:40 pm
 Operator : Keith
 Client ID : ICV_CHEM24_0114
 Lab ID : 10ppb lcs ; T01511
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 17 16:07:18 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 05 10:42:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	268625	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	946733	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	487520	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	269998	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	946733	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	487923	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.981	95	604786	10.162	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 101.60%	

Target Compounds

						Qvalue
2) Propylene	4.070	41	239751	9.875	ppbv	95
3) Dichlorodifluoromethane	4.145	85	849603	10.417	ppbv	98
4) Chloromethane	4.294	50	293543	9.877	ppbv	100
5) 1,2-Dichlorotetrafluor...	4.385	85	857907	10.373	ppbv#	84
6) Vinyl Chloride	4.493	62	308837	10.137	ppbv	98
7) 1,3-Butadiene	4.618	54	235883	9.753	ppbv	93
8) Bromomethane	4.850	94	304366	9.453	ppbv	99
9) Chloroethane	4.991	64	130839	9.725	ppbv	100
11) Ethanol	5.057	45	90761	6.158	ppbv	95
12) Acetone	5.437	43	499142	9.979	ppbv	92
13) Trichlorofluoromethane	5.578	101	891945	10.224	ppbv	97
14) Isopropylalcohol	5.603	45	562406	9.703	ppbv#	90
15) Acrylonitrile	5.772	53	207325	9.969	ppbv	98
16) 1,1-Dichloroethene	6.034	61	515619	10.446	ppbv	97
17) Methylene Chloride	6.112	49	382977	9.714	ppbv	89
20) Carbon Disulfide	6.344	76	804816	10.233	ppbv	99
21) Trichlorotrifluoroethane	6.284	101	684870	10.394	ppbv	93
22) Trans-1,2-Dichloroethene	6.737	61	465108	10.220	ppbv	92
23) 1,1-Dichloroethane	6.875	63	572974	10.434	ppbv	97
24) Methyl tert-butyl ethe...	6.891	73	786498	10.398	ppbv#	89
25) Methyl Ethyl Ketone	7.102	43	652665	10.218	ppbv#	94
26) Cis-1,2-Dichloroethene	7.402	61	448271	10.428	ppbv	93
27) Hexane	7.523	57	443067	10.441	ppbv#	90
28) Chloroform	7.588	83	684679	10.557	ppbv	97
29) Ethyl acetate	7.499	61	125710	12.685	ppbv#	86
30) Tetrahydrofuran	7.840	42	315436	10.479	ppbv#	85
31) 1,2-Dichloroethane	8.059	62	486923	10.571	ppbv	95
32) 1,1,1-Trichloroethane	8.221	97	728203	10.698	ppbv	97
33) Benzene	8.502	78	903241	10.322	ppbv	96
34) Carbon Tetrachloride	8.588	117	791581	10.852	ppbv	99
35) Cyclohexane	8.666	84	329880	9.850	ppbv#	79
37) 1,2-dichloropropane	8.978	63	379899	10.320	ppbv#	93
38) Bromodichloromethane	9.090	83	751092	10.386	ppbv	98
39) Trichloroethene	9.107	130	472494	10.385	ppbv	97
40) 2,2,4-trimethylpentane	9.116	57	1408370	9.891	ppbv	97
41) 1,4-Dioxane	9.090	88	180398	9.073	ppbv#	82
43) Heptane	9.246	43	584566	10.206	ppbv#	90
44) cis-1,3-Dichloropropene	9.596	75	597256	10.659	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.589	43	774609	9.869	ppbv	96
46) trans-1,3-Dichloropropene	9.877	75	486526	10.745	ppbv	95
47) 1,1,2-Trichloroethane	9.997	97	421669	10.484	ppbv	98
48) Toluene	10.159	91	1174570	10.435	ppbv	99

Data Path : H:\AIR2025\CHEM24\0114\14\
 Data File : 0114_16.D
 Acq On : 14 Jan 2025 6:40 pm
 Operator : Keith
 Client ID : ICV_CHEM24_0114
 Lab ID : 10ppb lcs ; T01511
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 17 16:07:18 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Feb 05 10:42:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	886859	10.966	ppbv	99
50) 2-Hexanone(MBK)	10.265	43	695856	10.203	ppbv	92
51) 1,2-Dibromoethane(EDB)	10.553	107	725024	10.506	ppbv	99
52) Tetrachloroethene	10.799	166	643361	10.232	ppbv	99
54) 1,1,1,2-Tetrachloroethane	11.162	131	556811	10.313	ppbv	99
55) Chlorobenzene	11.177	112	958710	10.348	ppbv	98
56) Ethylbenzene	11.367	91	1531239	10.496	ppbv	98
57) m, p-Xylene	11.458	91	2322688	21.192	ppbv	97
58) Bromoform	11.541	173	883626	11.355	ppbv	100
59) Styrene	11.663	104	849453	10.812	ppbv	95
60) 1,1,2,2-Tetrachloroethane	11.723	83	893629	10.428	ppbv	94
61) o-Xylene	11.723	91	1195863	10.166	ppbv	96
64) Isopropylbenzene	12.049	105	1639158	10.076	ppbv	98
66) 4-Ethyltoluene	12.416	105	1693150	10.821	ppbv	97
67) 1,3,5-Trimethylbenzene	12.455	105	1377199	10.616	ppbv	92
68) 1,2,4-Trimethylbenzene	12.711	105	1460739	10.847	ppbv	97
70) Benzyl chloride	12.805	91	885049	10.737	ppbv	97
71) 1,3-Dichlorobenzene	12.828	146	920042	11.311	ppbv	98
72) 1,4-Dichlorobenzene	12.867	146	882160	12.040	ppbv	99
73) sec-Butylbenzene	12.875	105	1986075	9.901	ppbv	97
74) 4-Isopropyltoluene	12.960	119	1820839	9.999	ppbv	97
75) 1,2-Dichlorobenzene	13.085	146	913831	11.472	ppbv	97
76) n-Butylbenzene	13.224	91	1510797	10.962	ppbv	98
77) 1,2,4-Trichlorobenzene	14.282	180	385653	8.986	ppbv	96
78) Naphthalene	14.383	128	936159	8.706	ppbv#	98
79) Hexachlorobutadiene	14.639	225	738529	9.061	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.385	85	856302	9.608	ppbv	85
82] Vinyl Chloride(sim)	4.496	62	325010	9.492	ppbv	97
83] Bromomethane(sim)	4.850	94	304366	8.357	ppbv	99
84] Trichlorofluoromethane...	5.581	101	927224	10.058	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.059	62	486923	10.044	ppbv	95
86] 1,1,1-Trichloroethane(...	8.224	97	773582	10.530	ppbv#	98
87] Benzene(sim)	8.502	78	903237	9.633	ppbv	96
88] Carbon Tetrachloride(sim)	8.591	117	808927	11.255	ppbv	99
89] 1,1-Dichloroethene(sim)	6.034	61	515619	9.602	ppbv	97
90] Trichlorotrifluoroetha...	6.287	101	710952	9.950	ppbv#	96
91] Trans-1,2-Dichloroethe...	6.737	61	465108	9.462	ppbv	92
92] 1,1-Dichloroethane(sim)	6.869	63	611110	10.015	ppbv	97
93] Cis-1,2-Dichloroethene...	7.402	61	448271	9.413	ppbv	93
94] Chloroform(sim)	7.591	83	719172	10.122	ppbv	98
96] 1,2-dichloropropane(sim)	8.972	63	403233	9.929	ppbv#	86
97] Bromodichloromethane(sim)	9.090	83	750965	10.188	ppbv	99
98] Trichloroethene(sim)	9.110	130	481732	9.756	ppbv	94
99] 1,4-Dioxane(sim)	9.090	88	180398	9.067	ppbv#	82
100] cis-1,3-Dichloropropen...	9.592	75	637338	10.885	ppbv	97
101] 1,1,2-Trichloroethane(...	9.997	97	421669	10.067	ppbv	98
102] Dibromochloromethane(sim)	10.415	129	887814	11.381	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	725024	10.324	ppbv	99
104] Tetrachloroethene(sim)	10.802	166	652616	8.786	ppbv	100
106] Bromoform(sim)	11.544	173	844987	11.624	ppbv	100
107] m, p-Xylene(sim)	11.458	91	2328376	17.523	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.719	83	933345	9.814	ppbv	97
111] Benzyl chloride(sim)	12.805	91	885049	7.546	ppbv	97
112] 1,3-Dichlorobenzene(sim)	12.823	146	1036692	13.400	ppbv	97
113] 1,4-Dichlorobenzene(sim)	12.867	146	881510	14.485	ppbv	99

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_16.D
Acq On : 14 Jan 2025 6:40 pm
Operator : Keith
Client ID : ICV_CHEM24_0114
Lab ID : 10ppb lcs ; T01511
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 17 16:07:18 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Feb 05 10:42:48 2025
Response via : Initial Calibration

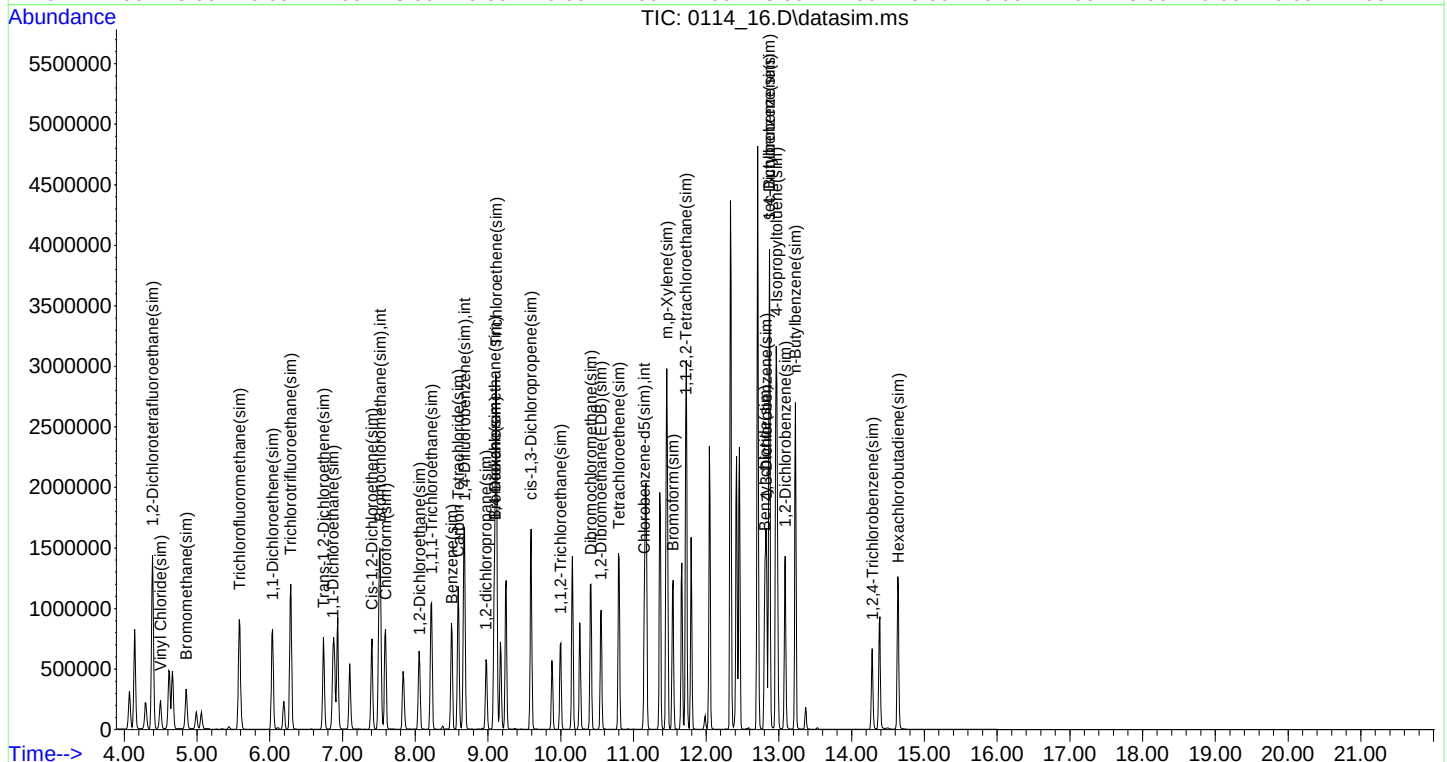
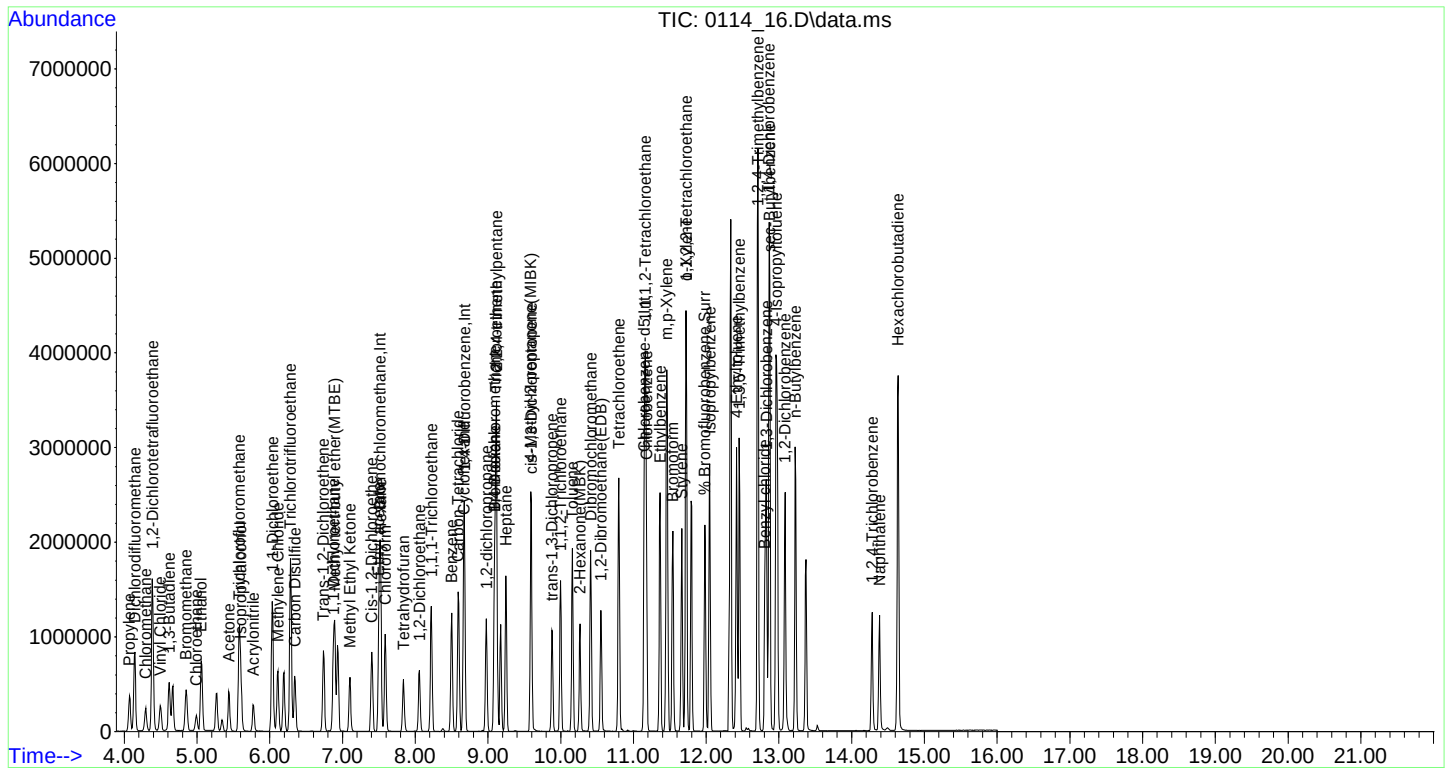
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	2129832	9.044	ppbv	98
115]	4-Isopropyltoluene(sim)	12.960	119	1819635	9.524	ppbv	96
116]	1,2-Dichlorobenzene(sim)	13.087	146	1005569	12.342	ppbv	97
117]	n-Butylbenzene(sim)	13.224	91	1510939	13.394	ppbv	98
118]	1,2,4-Trichlorobenzene...	14.285	180	422046	3.459	ppbv	99
119]	Hexachlorobutadiene(sim)	14.639	225	738058	8.139	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\14\
Data File : 0114_16.D
Acq On : 14 Jan 2025 6:40 pm
Operator : Keith
Client ID : ICV_CHEM24_0114
Lab ID : 10ppb lcs ; T01511
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 17 16:07:18 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Wed Feb 05 10:42:48 2025
Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM20 Calibration Date: 01/31/25 Time: 13:36

Lab File Id: 0131_03.D Init. Calib. Date(s): 01/31/25 01/31/25

Heated Purge (Y/N): Y Init. Calib. Times: 00:10 06:42

GC Column: RTX-1 60M Method File: 20_AIR_0130.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	0.807	0.765		5.2	30
Dichlorodifluoromethane	2.430	2.442		-0.5	30
Chloromethane	1.150	1.207		-5.0	30
1,2-Dichlorotetrafluoroethane	3.220	3.307		-2.7	30
Vinyl Chloride	1.112	1.193		-7.3	30
1,3-Butadiene	0.912	0.947		-3.8	30
Bromomethane	1.259	1.346		-6.9	30
Chloroethane	0.506	0.542		-7.1	30
Ethanol	0.559	0.592		-5.9	30
Acetone	2.576	2.640		-2.5	30
Trichlorofluoromethane	3.780	3.906		-3.3	30
Isopropylalcohol	2.684	2.753		-2.6	30
Acrylonitrile	0.934	0.938		-0.4	30
1,1-Dichloroethene	2.043	2.098		-2.7	30
Methylene Chloride	1.821	1.900		-4.3	30
Carbon Disulfide	2.667	3.144		-17.9	30
Trichlorotrifluoroethane	2.641	2.865		-8.5	30
Trans-1,2-Dichloroethene	1.074	1.094		-1.9	30
1,1-Dichloroethane	1.352	1.381		-2.1	30
Methyl tert-butyl ether(MTBE)	1.913	1.947		-1.8	30
Methyl Ethyl Ketone	1.924	1.967		-2.2	30
Cis-1,2-Dichloroethene	1.037	1.216		-17.3	30
Hexane	1.245	1.261		-1.3	30
Chloroform	1.641	1.681		-2.4	30
Ethyl acetate	0.287	0.311		-8.4	30
Tetrahydrofuran	1.015	0.993		2.2	30
1,2-Dichloroethane	1.032	0.985		4.6	30
1,1,1-Trichloroethane	1.676	1.597		4.7	30
Benzene	2.448	2.512		-2.6	30
Carbon Tetrachloride	1.817	1.758		3.2	30
Cyclohexane	1.007	1.011		-0.4	30
1,2-dichloropropane	0.306	0.279		8.8	30
Bromodichloromethane	0.569	0.510		10.4	30
Trichloroethene	0.486	0.431		11.3	30
2,2,4-trimethylpentane	1.244	1.174		5.6	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM20 Calibration Date: 01/31/25 Time: 13:36

Lab File Id: 0131_03.D Init. Calib. Date(s): 01/31/25 01/31/25

Heated Purge (Y/N): Y Init. Calib. Times: 00:10 06:42

GC Column: RTX-1 60M Method File: 20_AIR_0130.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.187	0.178		4.8	30
Heptane	0.534	0.531		0.6	30
cis-1,3-Dichloropropene	0.455	0.395		13.2	30
4-Methyl-2-pentanone(MIBK)	0.808	0.741		8.3	30
trans-1,3-Dichloropropene	0.337	0.331		1.8	30
1,1,2-Trichloroethane	0.360	0.337		6.4	30
Toluene	1.017	0.999		1.8	30
Dibromochloromethane	0.692	0.615		11.1	30
2-Hexanone(MBK)	0.729	0.709		2.7	30
1,2-Dibromoethane(EDB)	0.623	0.642		-3.0	30
Tetrachloroethene	0.596	0.581		2.5	30
1,1,1,2-Tetrachloroethane	1.033	1.056		-2.2	30
Chlorobenzene	1.860	2.017		-8.4	30
Ethylbenzene	2.655	2.850		-7.3	30
m,p-Xylene	1.950	1.721		11.7	30
Bromoform	1.188	1.138		4.2	30
Styrene	1.636	1.826		-11.6	30
1,1,2,2-Tetrachloroethane	1.690	1.775		-5.0	30
o-Xylene	2.164	2.281		-5.4	30
Isopropylbenzene	3.044	3.293		-8.2	30
4-Ethyltoluene	3.171	3.307		-4.3	30
1,3,5-Trimethylbenzene	2.494	2.718		-9.0	30
1,2,4-Trimethylbenzene	2.829	2.898		-2.4	30
Benzyl chloride	1.704	1.556		8.7	30
1,3-Dichlorobenzene	2.238	2.389		-6.7	30
1,4-Dichlorobenzene	2.165	2.288		-5.7	30
sec-Butylbenzene	4.022	4.230		-5.2	30
4-Isopropyltoluene	4.041	4.184		-3.5	30
1,2-Dichlorobenzene	2.074	2.232		-7.6	30
n-Butylbenzene	3.210	3.317		-3.3	30
1,2,4-Trichlorobenzene	1.580	1.712		-8.4	30
Naphthalene	3.696	4.145		-12.1	30
Hexachlorobutadiene	1.340	1.450		-8.2	30
1,2-Dichlorotetrafluoroethane(sim)	2.967	2.951		0.5	30
Vinyl Chloride(sim)	1.099	1.062		3.4	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM20 Calibration Date: 01/31/25 Time: 13:36

Lab File Id: 0131_03.D Init. Calib. Date(s): 01/31/25 01/31/25

Heated Purge (Y/N): Y Init. Calib. Times: 00:10 06:42

GC Column: RTX-1 60M Method File: 20_AIR_0130.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.216	1.202		1.2	30
Trichlorofluoromethane(sim)	3.666	3.721		-1.5	30
1,2-Dichloroethane(sim)	0.960	0.879		8.4	30
1,1,1-Trichloroethane(sim)	1.620	1.628		-0.5	30
Benzene(sim)	2.425	2.242		7.5	30
Carbon Tetrachloride(sim)	1.546	1.677		-8.5	30
1,1-Dichloroethene(sim)	1.954	1.873		4.1	30
Trichlorotrifluoroethane(sim)	2.629	2.733		-4.0	30
Trans-1,2-Dichloroethene(sim)	1.030	0.976		5.2	30
1,1-Dichloroethane(sim)	1.348	1.310		2.8	30
Cis-1,2-Dichloroethene(sim)	1.064	1.001		5.9	30
Chloroform(sim)	1.588	1.618		-1.9	30
1,2-dichloropropane(sim)	0.327	0.327		0.0	30
Bromodichloromethane(sim)	0.505	0.510		-1.0	30
Trichloroethene(sim)	0.518	0.518		0.0	30
1,4-Dioxane(sim)	0.176	0.178		-1.1	30
cis-1,3-Dichloropropene(sim)	0.447	0.455		-1.8	30
1,1,2-Trichloroethane(sim)	0.369	0.338		8.4	30
Dibromochloromethane(sim)	0.633	0.675		-6.6	30
1,2-Dibromoethane(EDB)(sim)	0.640	0.641		-0.2	30
Tetrachloroethene(sim)	0.683	0.688		-0.7	30
Bromoform(sim)	1.302	1.399		-7.5	30
m,p-Xylene(sim)	2.144	2.160		-0.7	30
1,1,2,2-Tetrachloroethane(sim)	1.965	1.937		1.4	30
Benzyl chloride(sim)	1.601	1.550		3.2	30
1,3-Dichlorobenzene(sim)	2.797	2.802		-0.2	30
1,4-Dichlorobenzene(sim)	2.313	2.288		1.1	30
sec-Butylbenzene(sim)	4.720	4.722		0.0	30
4-Isopropyltoluene(sim)	4.273	4.174		2.3	30
1,2-Dichlorobenzene(sim)	2.670	2.614		2.1	30
n-Butylbenzene(sim)	3.446	3.317		3.7	30
1,2,4-Trichlorobenzene(sim)	2.278	2.071		9.1	30
Hexachlorobutadiene(sim) qfi	1.000	0.92		8.0	20
% Bromofluorobenzene	1.140	1.225		-7.5	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_03.D
 Acq On : 31 Jan 2025 1:36 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512N - 1ppb ccal; T01512N
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jan 31 14:00:38 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 Int	Bromochloromethane	1.000	1.000	0.0	97
2	Propylene	0.807	0.765	5.2	
3	Dichlorodifluoromethane	2.430	2.442	-0.5	
4	Chloromethane	1.150	1.207	-5.0	
5	1,2-Dichlorotetrafluoroetha	3.220	3.307	-2.7	
6	Vinyl Chloride	1.112	1.193	-7.3	
7	1,3-Butadiene	0.912	0.947	-3.8	
8	Bromomethane	1.259	1.346	-6.9	
9	Chloroethane	0.506	0.542	-7.1	
11	Ethanol	0.559	0.592	-5.9	
12	Acetone	2.576	2.640	-2.5	
13	Trichlorofluoromethane	3.780	3.906	-3.3	
14	Isopropylalcohol	2.684	2.753	-2.6	
15	Acrylonitrile	0.934	0.938	-0.4	
16	1,1-Dichloroethene	2.043	2.098	-2.7	
17	Methylene Chloride	1.821	1.900	-4.3	
20	Carbon Disulfide	2.667	3.144	-17.9	
21	Trichlorotrifluoroethane	2.641	2.865	-8.5	
22	Trans-1,2-Dichloroethene	1.074	1.094	-1.9	
23	1,1-Dichloroethane	1.352	1.381	-2.1	
24	Methyl tert-butyl ether(MTB)	1.913	1.947	-1.8	
25	Methyl Ethyl Ketone	1.924	1.967	-2.2	
26	Cis-1,2-Dichloroethene	1.037	1.216	-17.3	
27	Hexane	1.245	1.261	-1.3	
28	Chloroform	1.641	1.681	-2.4	
29	Ethyl acetate	0.287	0.311	-8.4	
30	Tetrahydrofuran	1.015	0.993	2.2	
31	1,2-Dichloroethane	1.032	0.985	4.6	
32	1,1,1-Trichloroethane	1.676	1.597	4.7	
33	Benzene	2.448	2.512	-2.6	
34	Carbon Tetrachloride	1.817	1.758	3.2	
35	Cyclohexane	1.007	1.011	-0.4	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	95
37	1,2-dichloropropane	0.306	0.279	8.8	
38	Bromodichloromethane	0.569	0.510	10.4	
39	Trichloroethene	0.486	0.431	11.3	
40	2,2,4-trimethylpentane	1.244	1.174	5.6	
41	1,4-Dioxane	0.187	0.178	4.8	
43	Heptane	0.534	0.531	0.6	
44	cis-1,3-Dichloropropene	0.455	0.395	13.2	
45	4-Methyl-2-pentanone(MIBK)	0.808	0.741	8.3	
46	trans-1,3-Dichloropropene	0.337	0.331	1.8	
47	1,1,2-Trichloroethane	0.360	0.337	6.4	
48	Toluene	1.017	0.999	1.8	
49	Dibromochloromethane	0.692	0.615	11.1	
50	2-Hexanone(MBK)	0.729	0.709	2.7	
51	1,2-Dibromoethane(EDB)	0.623	0.642	-3.0	
52	Tetrachloroethene	0.596	0.581	2.5	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	94

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_03.D
 Acq On : 31 Jan 2025 1:36 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512N - 1ppb ccal; T01512N
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jan 31 14:00:38 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
54	1,1,1,2-Tetrachloroethane	1.033	1.056	-2.2	
55	Chlorobenzene	1.860	2.017	-8.4	
56	Ethylbenzene	2.655	2.850	-7.3	
57	m,p-Xylene	1.950	1.721	11.7	
58	Bromoform	1.188	1.138	4.2	
59	Styrene	1.636	1.826	-11.6	
60	1,1,2,2-Tetrachloroethane	1.690	1.775	-5.0	
61	o-Xylene	2.164	2.281	-5.4	
62	Surr % Bromofluorobenzene	1.140	1.225	-7.5	
64	Isopropylbenzene	3.044	3.293	-8.2	
65	4-Ethyltoluene	3.171	3.307	-4.3	
66	1,3,5-Trimethylbenzene	2.494	2.718	-9.0	
67	1,2,4-Trimethylbenzene	2.829	2.898	-2.4	
68	Benzyl chloride	1.704	1.556	8.7	
69	1,3-Dichlorobenzene	2.238	2.389	-6.7	
70	1,4-Dichlorobenzene	2.165	2.288	-5.7	
71	sec-Butylbenzene	4.022	4.230	-5.2	
72	4-Isopropyltoluene	4.041	4.184	-3.5	
73	1,2-Dichlorobenzene	2.074	2.232	-7.6	
74	n-Butylbenzene	3.210	3.317	-3.3	
75	1,2,4-Trichlorobenzene	1.580	1.712	-8.4	
76	Naphthalene	3.696	4.145	-12.1	
77	Hexachlorobutadiene	1.340	1.450	-8.2	
78	int Bromochloromethane(sim)	1.000	1.000	0.0	94
79	1,2-Dichlorotetrafluoroetha	2.967	2.951	0.5	
80	Vinyl Chloride(sim)	1.099	1.062	3.4	
81	Bromomethane(sim)	1.216	1.202	1.2	
82	Trichlorofluoromethane(sim)	3.666	3.721	-1.5	
83	1,2-Dichloroethane(sim)	0.960	0.879	8.4	
84	1,1,1-Trichloroethane(sim)	1.620	1.628	-0.5	
85	Benzene(sim)	2.425	2.242	7.5	
86	Carbon Tetrachloride(sim)	1.546	1.677	-8.5	
87	1,1-Dichloroethene(sim)	1.954	1.873	4.1	
88	Trichlorotrifluoroethane(si	2.629	2.733	-4.0	
89	Trans-1,2-Dichloroethene(si	1.030	0.976	5.2	
90	1,1-Dichloroethane(sim)	1.348	1.310	2.8	
91	Cis-1,2-Dichloroethene(sim)	1.064	1.001	5.9	
92	Chloroform(sim)	1.588	1.618	-1.9	
93	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	95
94	1,2-dichloropropane(sim)	0.327	0.327	0.0	
95	Bromodichloromethane(sim)	0.505	0.510	-1.0	
96	Trichloroethene(sim)	0.518	0.518	0.0	
97	1,4-Dioxane(sim)	0.176	0.178	-1.1	
98	cis-1,3-Dichloropropene(sim	0.447	0.455	-1.8	
99	1,1,2-Trichloroethane(sim)	0.369	0.338	8.4	
100	Dibromochloromethane(sim)	0.633	0.675	-6.6	
101	1,2-Dibromoethane(EDB)(sim)	0.640	0.641	-0.2	
102	Tetrachloroethene(sim)	0.683	0.688	-0.7	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_03.D
 Acq On : 31 Jan 2025 1:36 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512N - 1ppb ccal; T01512N
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jan 31 14:00:38 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Note: Curves (l, lf, q, qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
103 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	94
104	Bromoform(sim)	1.302	1.399	-7.5	
105	m,p-Xylene(sim)	2.144	2.160	-0.7	
106	1,1,2,2-Tetrachloroethane(s	1.965	1.937	1.4	
107	Benzyl chloride(sim)	1.601	1.550	3.2	
108	1,3-Dichlorobenzene(sim)	2.797	2.802	-0.2	
109	1,4-Dichlorobenzene(sim)	2.313	2.288	1.1	
110	sec-Butylbenzene(sim)	4.720	4.722	-0.0	
111	4-Isopropyltoluene(sim)	4.273	4.174	2.3	
112	1,2-Dichlorobenzene(sim)	2.670	2.614	2.1	
113	n-Butylbenzene(sim)	3.446	3.317	3.7	
114	1,2,4-Trichlorobenzene(sim)	2.278	2.071	9.1	
116 qf	Hexachlorobutadiene(sim)	1.000	0.920	8.0	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_03.D
 Acq On : 31 Jan 2025 1:36 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512N - 1ppb ccal; T01512N
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jan 31 14:00:38 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.034	130	362004	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1182611	10.000	ng	0.00
53) Chlorobenzene-d5	10.669	82	513240	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	405613	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1183118	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.669	82	513277	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.503	95	628578	10.748	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 107.50%		

Target Compounds

					Qvalue	
2) Propylene	3.735	41	27695	0.949	ppbv	91
3) Dichlorodifluoromethane	3.800	85	88410	1.005	ppbv	91
4) Chloromethane	3.938	50	43700	1.050	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.027	85	119700	1.027	ppbv#	70
6) Vinyl Chloride	4.125	62	43169	1.073	ppbv	97
7) 1,3-Butadiene	4.238	54	34272	1.039	ppbv#	87
8) Bromomethane	4.457	94	48738	1.069	ppbv	93
9) Chloroethane	4.587	64	19614	1.072	ppbv	83
11) Ethanol	4.692	45	21428	1.058	ppbv#	28
12) Acetone	5.049	43	95554	1.025	ppbv#	83
13) Trichlorofluoromethane	5.155	101	141401	1.033	ppbv	94
14) Isopropylalcohol	5.228	45	99664	1.026	ppbv#	92
15) Acrylonitrile	5.358	53	33958	1.004	ppbv#	1
16) 1,1-Dichloroethene	5.586	61	75966	1.027	ppbv#	79
17) Methylene Chloride	5.664	49	68774	1.043	ppbv	99
20) Carbon Disulfide	5.878	76	113806	1.179	ppbv	99
21) Trichlorotrifluoroethane	5.836	101	103725	1.085	ppbv	95
22) Trans-1,2-Dichloroethene	6.272	61	39604	1.018	ppbv#	77
23) 1,1-Dichloroethane	6.408	63	50003	1.022	ppbv	93
24) Methyl tert-butyl ethe...	6.460	73	70469	1.017	ppbv#	86
25) Methyl Ethyl Ketone	6.663	43	71198	1.022	ppbv#	90
26) Cis-1,2-Dichloroethene	6.926	61	44016m	1.173	ppbv	97
27) Hexane	7.042	57	45631	1.013	ppbv	99
28) Chloroform	7.104	83	60868	1.025	ppbv	93
29) Ethyl acetate	7.050	61	11245	1.083	ppbv#	78
30) Tetrahydrofuran	7.375	42	35935	0.978	ppbv	91
31) 1,2-Dichloroethane	7.561	62	35654	0.955	ppbv#	81
32) 1,1,1-Trichloroethane	7.724	97	57797	0.953	ppbv	97
33) Benzene	8.002	78	90927	1.026	ppbv	96
34) Carbon Tetrachloride	8.097	117	63632	0.967	ppbv	98
35) Cyclohexane	8.175	84	36599	1.004	ppbv	98
37) 1,2-dichloropropane	8.486	63	32973	0.912	ppbv#	90
38) Bromodichloromethane	8.599	83	60321	0.896	ppbv	97
39) Trichloroethene	8.625	130	50916	0.887	ppbv#	80
40) 2,2,4-trimethylpentane	8.625	57	138844	0.944	ppbv	92
41) 1,4-Dioxane	8.633	88	21018	0.952	ppbv#	80
43) Heptane	8.763	43	62847	0.995	ppbv	93
44) cis-1,3-Dichloropropene	9.109	75	46660	0.867	ppbv	93
45) 4-Methyl-2-pentanone(M...	9.130	43	87613	0.916	ppbv#	93
46) trans-1,3-Dichloropropene	9.404	75	39152	0.981	ppbv#	93
47) 1,1,2-Trichloroethane	9.510	97	39862	0.937	ppbv	93
48) Toluene	9.672	91	118176	0.983	ppbv#	98

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_03.D
 Acq On : 31 Jan 2025 1:36 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512N - 1ppb ccal; T01512N
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jan 31 14:00:38 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.925	129	72782	0.889	ppbv	98
50) 2-Hexanone(MBK)	9.798	43	83801	0.972	ppbv#	43
51) 1,2-Dibromoethane(EDB)	10.066	107	75926	1.031	ppbv	89
52) Tetrachloroethene	10.312	166	68651	0.973	ppbv	94
54) 1,1,1,2-Tetrachloroethane	10.676	131	54197	1.022	ppbv#	96
55) Chlorobenzene	10.691	112	103535	1.084	ppbv#	83
56) Ethylbenzene	10.881	91	146280	1.073	ppbv	85
57) m, p-Xylene	10.980	91	220804	2.207	ppbv	100
58) Bromoform	11.055	173	58404	0.958	ppbv	90
59) Styrene	11.184	104	93713	1.116	ppbv#	78
60) 1,1,2,2-Tetrachloroethane	11.245	83	91118	1.050	ppbv	92
61) o-Xylene	11.245	91	117053	1.054	ppbv#	82
64) Isopropylbenzene	11.563	105	169031	1.082	ppbv#	94
65) 4-Ethyltoluene	11.935	105	169725	1.043	ppbv#	93
66) 1,3,5-Trimethylbenzene	11.981	105	139488	1.090	ppbv#	92
67) 1,2,4-Trimethylbenzene	12.231	105	148714	1.024	ppbv#	88
68) Benzyl chloride	12.323	91	79852	0.913	ppbv#	92
69) 1,3-Dichlorobenzene	12.345	146	122616	1.068	ppbv#	85
70) 1,4-Dichlorobenzene	12.383	146	117436	1.057	ppbv	100
71) sec-Butylbenzene	12.391	105	217080	1.052	ppbv#	88
72) 4-Isopropyltoluene	12.482	119	214763	1.035	ppbv	100
73) 1,2-Dichlorobenzene	12.604	146	114576	1.076	ppbv#	88
74) n-Butylbenzene	12.748	91	170238	1.033	ppbv#	93
75) 1,2,4-Trichlorobenzene	13.750	180	87849	1.084	ppbv	96
76) Naphthalene	13.841	128	212742	1.121	ppbv#	96
77) Hexachlorobutadiene	14.085	225	74434	1.082	ppbv	94
79] 1,2-Dichlorotetrafluor...	4.027	85	119700	0.994	ppbv#	71
80] Vinyl Chloride(sim)	4.127	62	43062	0.966	ppbv	100
81] Bromomethane(sim)	4.457	94	48738	0.988	ppbv	93
82] Trichlorofluoromethane...	5.158	101	150940	1.015	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.561	62	35654	0.916	ppbv#	1
84] 1,1,1-Trichloroethane(...	7.719	97	66021	1.005	ppbv#	91
85] Benzene(sim)	8.002	78	90927	0.925	ppbv	96
86] Carbon Tetrachloride(sim)	8.100	117	68041	1.085	ppbv	96
87] 1,1-Dichloroethene(sim)	5.586	61	75966	0.959	ppbv#	78
88] Trichlorotrifluoroetha...	5.833	101	110873	1.040	ppbv#	96
89] Trans-1,2-Dichloroethe...	6.272	61	39604	0.948	ppbv#	77
90] 1,1-Dichloroethane(sim)	6.405	63	53152	0.972	ppbv	98
91] Cis-1,2-Dichloroethene...	6.926	61	40612	0.941	ppbv#	85
92] Chloroform(sim)	7.107	83	65634	1.019	ppbv	98
94] 1,2-dichloropropane(sim)	8.489	63	38647	0.998	ppbv#	85
95] Bromodichloromethane(sim)	8.599	83	60321	1.009	ppbv	97
96] Trichloroethene(sim)	8.627	130	61292	1.001	ppbv#	83
97] 1,4-Dioxane(sim)	8.633	88	21018	1.009	ppbv#	80
98] cis-1,3-Dichloropropen...	9.112	75	53813	1.017	ppbv#	94
99] 1,1,2-Trichloroethane(...	9.510	97	39979	0.916	ppbv	93
100] Dibromochloromethane(sim)	9.928	129	79904	1.066	ppbv	99
101] 1,2-Dibromoethane(EDB)...	10.066	107	75827	1.002	ppbv	89
102] Tetrachloroethene(sim)	10.315	166	81442	1.008	ppbv	95
104] Bromoform(sim)	11.058	173	71802	1.074	ppbv	97
105] m, p-Xylene(sim)	10.980	91	221688	2.015	ppbv#	85
106] 1,1,2,2-Tetrachloroeth...	11.240	83	99401	0.985	ppbv	98
107] Benzyl chloride(sim)	12.323	91	79549	0.968	ppbv	92
108] 1,3-Dichlorobenzene(sim)	12.341	146	143840	1.002	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.383	146	117436	0.989	ppbv	85

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_03.D
Acq On : 31 Jan 2025 1:36 pm
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; T01512N - 1ppb ccal; T01512N
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jan 31 14:00:38 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration

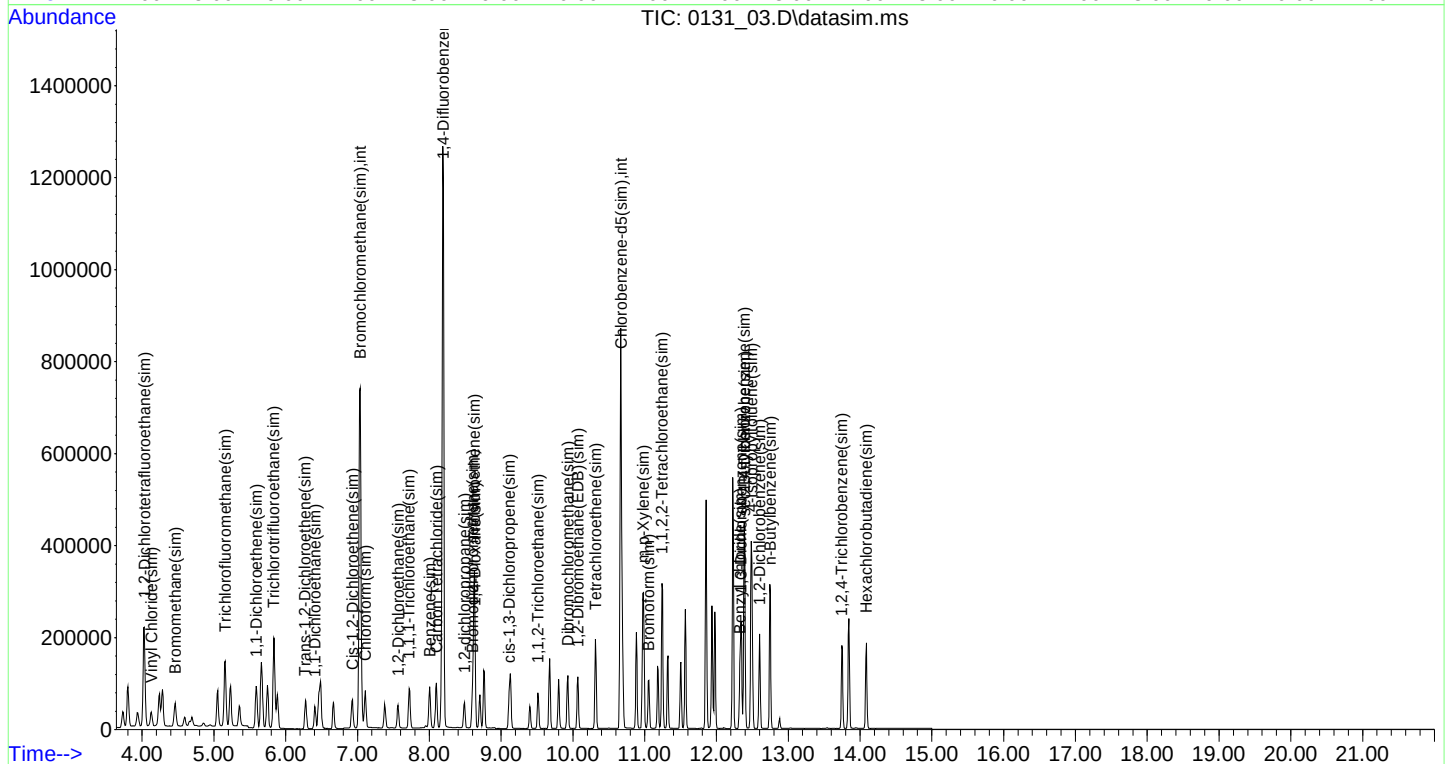
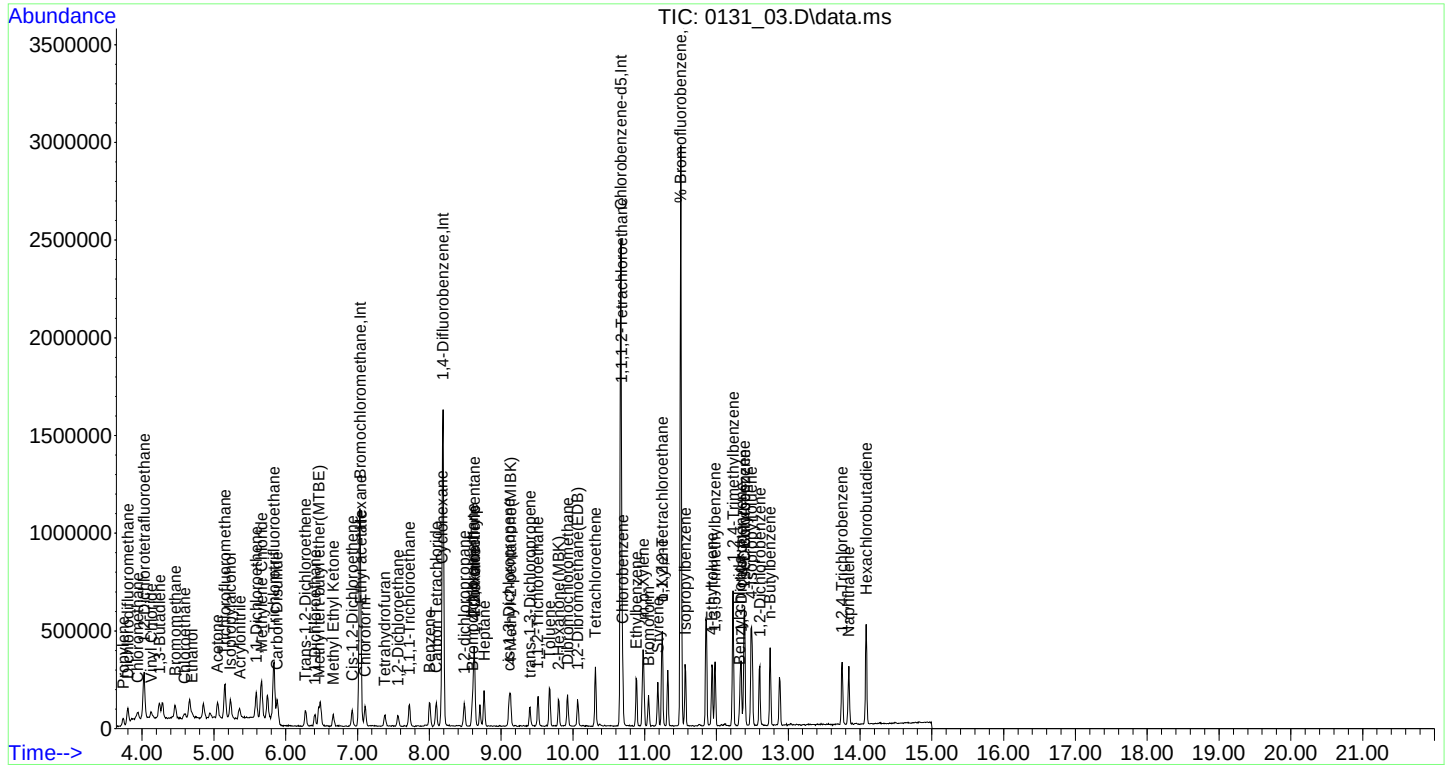
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.394	105	242380	1.000	ppbv	89
111]	4-Isopropyltoluene(sim)	12.482	119	214248	0.977	ppbv#	76
112]	1,2-Dichlorobenzene(sim)	12.599	146	134145	0.979	ppbv	91
113]	n-Butylbenzene(sim)	12.748	91	170238	0.963	ppbv	93
114]	1,2,4-Trichlorobenzene...	13.746	180	106302	0.909	ppbv	98
116]	Hexachlorobutadiene(sim)	14.087	225	93606	0.920	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_03.D
Acq On : 31 Jan 2025 1:36 pm
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; T01512N - 1ppb ccal; T01512N
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jan 31 14:00:38 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM20 Calibration Date: 02/01/25 Time: 09:03

Lab File Id: 0131_28.D Init. Calib. Date(s): 01/31/25 01/31/25

Heated Purge (Y/N): Y Init. Calib. Times: 00:10 06:42

GC Column: RTX-1 60M Method File: 20_AIR_0130.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Propylene	0.807	0.788		2.4	30
Dichlorodifluoromethane	2.430	2.594		-6.7	30
Chloromethane	1.150	1.171		-1.8	30
1,2-Dichlorotetrafluoroethane	3.220	3.367		-4.6	30
Vinyl Chloride	1.112	1.215		-9.3	30
1,3-Butadiene	0.912	0.931		-2.1	30
Bromomethane	1.259	1.353		-7.5	30
Chloroethane	0.506	0.613		-21.1	30
Ethanol	0.559	0.575		-2.9	30
Acetone	2.576	2.815		-9.3	30
Trichlorofluoromethane	3.780	3.945		-4.4	30
Isopropylalcohol	2.684	2.843		-5.9	30
Acrylonitrile	0.934	0.918		1.7	30
1,1-Dichloroethene	2.043	2.128		-4.2	30
Methylene Chloride	1.821	2.017		-10.8	30
Carbon Disulfide	2.667	3.180		-19.2	30
Trichlorotrifluoroethane	2.641	2.988		-13.1	30
Trans-1,2-Dichloroethene	1.074	1.056		1.7	30
1,1-Dichloroethane	1.352	1.348		0.3	30
Methyl tert-butyl ether(MTBE)	1.913	1.869		2.3	30
Methyl Ethyl Ketone	1.924	1.882		2.2	30
Cis-1,2-Dichloroethene	1.037	1.107		-6.8	30
Hexane	1.245	1.153		7.4	30
Chloroform	1.641	1.798		-9.6	30
Ethyl acetate	0.287	0.311		-8.4	30
Tetrahydrofuran	1.015	0.957		5.7	30
1,2-Dichloroethane	1.032	1.008		2.3	30
1,1,1-Trichloroethane	1.676	1.642		2.0	30
Benzene	2.448	2.558		-4.5	30
Carbon Tetrachloride	1.817	1.633		10.1	30
Cyclohexane	1.007	0.991		1.6	30
1,2-dichloropropane	0.306	0.283		7.5	30
Bromodichloromethane	0.569	0.510		10.4	30
Trichloroethene	0.486	0.449		7.6	30
2,2,4-trimethylpentane	1.244	1.126		9.5	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM20 Calibration Date: 02/01/25 Time: 09:03

Lab File Id: 0131_28.D Init. Calib. Date(s): 01/31/25 01/31/25

Heated Purge (Y/N): Y Init. Calib. Times: 00:10 06:42

GC Column: RTX-1 60M Method File: 20_AIR_0130.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.187	0.179		4.3	30
Heptane	0.534	0.531		0.6	30
cis-1,3-Dichloropropene	0.455	0.395		13.2	30
4-Methyl-2-pentanone(MIBK)	0.808	0.739		8.5	30
trans-1,3-Dichloropropene	0.337	0.331		1.8	30
1,1,2-Trichloroethane	0.360	0.372		-3.3	30
Toluene	1.017	1.003		1.4	30
Dibromochloromethane	0.692	0.590		14.7	30
2-Hexanone(MBK)	0.729	0.683		6.3	30
1,2-Dibromoethane(EDB)	0.623	0.598		4.0	30
Tetrachloroethene	0.596	0.561		5.9	30
1,1,1,2-Tetrachloroethane	1.033	1.115		-7.9	30
Chlorobenzene	1.860	2.088		-12.3	30
Ethylbenzene	2.655	2.856		-7.6	30
m,p-Xylene	1.950	1.788		8.3	30
Bromoform	1.188	1.249		-5.1	30
Styrene	1.636	1.768		-8.1	30
1,1,2,2-Tetrachloroethane	1.690	1.838		-8.8	30
o-Xylene	2.164	2.303		-6.4	30
Isopropylbenzene	3.044	3.326		-9.3	30
4-Ethyltoluene	3.171	3.515		-10.8	30
1,3,5-Trimethylbenzene	2.494	2.775		-11.3	30
1,2,4-Trimethylbenzene	2.829	2.869		-1.4	30
Benzyl chloride	1.704	1.555		8.7	30
1,3-Dichlorobenzene	2.238	2.469		-10.3	30
1,4-Dichlorobenzene	2.165	2.308		-6.6	30
sec-Butylbenzene	4.022	4.108		-2.1	30
4-Isopropyltoluene	4.041	4.165		-3.1	30
1,2-Dichlorobenzene	2.074	2.302		-11.0	30
n-Butylbenzene	3.210	3.391		-5.6	30
1,2,4-Trichlorobenzene	1.580	1.664		-5.3	30
Naphthalene	3.696	3.989		-7.9	30
Hexachlorobutadiene	1.340	1.371		-2.3	30
1,2-Dichlorotetrafluoroethane(sim)	2.967	2.955		0.4	30
Vinyl Chloride(sim)	1.099	1.074		2.3	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM20 Calibration Date: 02/01/25 Time: 09:03

Lab File Id: 0131_28.D Init. Calib. Date(s): 01/31/25 01/31/25

Heated Purge (Y/N): Y Init. Calib. Times: 00:10 06:42

GC Column: RTX-1 60M Method File: 20_AIR_0130.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.216	1.188		2.3	30
Trichlorofluoromethane(sim)	3.666	3.753		-2.4	30
1,2-Dichloroethane(sim)	0.960	0.885		7.8	30
1,1,1-Trichloroethane(sim)	1.620	1.599		1.3	30
Benzene(sim)	2.425	2.246		7.4	30
Carbon Tetrachloride(sim)	1.546	1.660		-7.4	30
1,1-Dichloroethene(sim)	1.954	1.868		4.4	30
Trichlorotrifluoroethane(sim)	2.629	2.749		-4.6	30
Trans-1,2-Dichloroethene(sim)	1.030	0.927		10.0	30
1,1-Dichloroethane(sim)	1.348	1.309		2.9	30
Cis-1,2-Dichloroethene(sim)	1.064	0.972		8.6	30
Chloroform(sim)	1.588	1.609		-1.3	30
1,2-dichloropropane(sim)	0.327	0.322		1.5	30
Bromodichloromethane(sim)	0.505	0.510		-1.0	30
Trichloroethene(sim)	0.518	0.509		1.7	30
1,4-Dioxane(sim)	0.176	0.179		-1.7	30
cis-1,3-Dichloropropene(sim)	0.447	0.439		1.8	30
1,1,2-Trichloroethane(sim)	0.369	0.370		-0.3	30
Dibromochloromethane(sim)	0.633	0.681		-7.6	30
1,2-Dibromoethane(EDB)(sim)	0.640	0.598		6.6	30
Tetrachloroethene(sim)	0.683	0.678		0.7	30
Bromoform(sim)	1.302	1.461		-12.2	30
m,p-Xylene(sim)	2.144	2.229		-4.0	30
1,1,2,2-Tetrachloroethane(sim)	1.965	1.964		0.1	30
Benzyl chloride(sim)	1.601	1.562		2.4	30
1,3-Dichlorobenzene(sim)	2.797	2.946		-5.3	30
1,4-Dichlorobenzene(sim)	2.313	2.301		0.5	30
sec-Butylbenzene(sim)	4.720	4.745		-0.5	30
4-Isopropyltoluene(sim)	4.273	4.166		2.5	30
1,2-Dichlorobenzene(sim)	2.670	2.651		0.7	30
n-Butylbenzene(sim)	3.446	3.381		1.9	30
1,2,4-Trichlorobenzene(sim)	2.278	2.036		10.6	30
Hexachlorobutadiene(sim) qfi	1.000	0.94		6.0	20
% Bromofluorobenzene	1.140	1.270		-11.4	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_28.D
 Acq On : 1 Feb 2025 9:03 am
 Operator :
 Client ID : CCAL 1
 Lab ID : 1ppb cc
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 01 11:35:38 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 Int	Bromochloromethane	1.000	1.000	0.0	89
2	Propylene	0.807	0.788	2.4	
3	Dichlorodifluoromethane	2.430	2.594	-6.7	
4	Chloromethane	1.150	1.171	-1.8	
5	1,2-Dichlorotetrafluoroetha	3.220	3.367	-4.6	
6	Vinyl Chloride	1.112	1.215	-9.3	
7	1,3-Butadiene	0.912	0.931	-2.1	
8	Bromomethane	1.259	1.353	-7.5	
9	Chloroethane	0.506	0.613	-21.1	
11	Ethanol	0.559	0.575	-2.9	
12	Acetone	2.576	2.815	-9.3	
13	Trichlorofluoromethane	3.780	3.945	-4.4	
14	Isopropylalcohol	2.684	2.843	-5.9	
15	Acrylonitrile	0.934	0.918	1.7	
16	1,1-Dichloroethene	2.043	2.128	-4.2	
17	Methylene Chloride	1.821	2.017	-10.8	
20	Carbon Disulfide	2.667	3.180	-19.2	
21	Trichlorotrifluoroethane	2.641	2.988	-13.1	
22	Trans-1,2-Dichloroethene	1.074	1.056	1.7	
23	1,1-Dichloroethane	1.352	1.348	0.3	
24	Methyl tert-butyl ether(MTB)	1.913	1.869	2.3	
25	Methyl Ethyl Ketone	1.924	1.882	2.2	
26	Cis-1,2-Dichloroethene	1.037	1.107	-6.8	
27	Hexane	1.245	1.153	7.4	
28	Chloroform	1.641	1.798	-9.6	
29	Ethyl acetate	0.287	0.311	-8.4	
30	Tetrahydrofuran	1.015	0.957	5.7	
31	1,2-Dichloroethane	1.032	1.008	2.3	
32	1,1,1-Trichloroethane	1.676	1.642	2.0	
33	Benzene	2.448	2.558	-4.5	
34	Carbon Tetrachloride	1.817	1.633	10.1	
35	Cyclohexane	1.007	0.991	1.6	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	89
37	1,2-dichloropropane	0.306	0.283	7.5	
38	Bromodichloromethane	0.569	0.510	10.4	
39	Trichloroethene	0.486	0.449	7.6	
40	2,2,4-trimethylpentane	1.244	1.126	9.5	
41	1,4-Dioxane	0.187	0.179	4.3	
43	Heptane	0.534	0.531	0.6	
44	cis-1,3-Dichloropropene	0.455	0.395	13.2	
45	4-Methyl-2-pentanone(MIBK)	0.808	0.739	8.5	
46	trans-1,3-Dichloropropene	0.337	0.331	1.8	
47	1,1,2-Trichloroethane	0.360	0.372	-3.3	
48	Toluene	1.017	1.003	1.4	
49	Dibromochloromethane	0.692	0.590	14.7	
50	2-Hexanone(MBK)	0.729	0.683	6.3	
51	1,2-Dibromoethane(EDB)	0.623	0.598	4.0	
52	Tetrachloroethene	0.596	0.561	5.9	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	86

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_28.D
 Acq On : 1 Feb 2025 9:03 am
 Operator :
 Client ID : CCAL 1
 Lab ID : 1ppb cc
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 01 11:35:38 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
54	1,1,1,2-Tetrachloroethane	1.033	1.115	-7.9	
55	Chlorobenzene	1.860	2.088	-12.3	
56	Ethylbenzene	2.655	2.856	-7.6	
57	m,p-Xylene	1.950	1.788	8.3	
58	Bromoform	1.188	1.249	-5.1	
59	Styrene	1.636	1.768	-8.1	
60	1,1,2,2-Tetrachloroethane	1.690	1.838	-8.8	
61	o-Xylene	2.164	2.303	-6.4	
62	Surr % Bromofluorobenzene	1.140	1.270	-11.4	
64	Isopropylbenzene	3.044	3.326	-9.3	
65	4-Ethyltoluene	3.171	3.515	-10.8	
66	1,3,5-Trimethylbenzene	2.494	2.775	-11.3	
67	1,2,4-Trimethylbenzene	2.829	2.869	-1.4	
68	Benzyl chloride	1.704	1.555	8.7	
69	1,3-Dichlorobenzene	2.238	2.469	-10.3	
70	1,4-Dichlorobenzene	2.165	2.308	-6.6	
71	sec-Butylbenzene	4.022	4.108	-2.1	
72	4-Isopropyltoluene	4.041	4.165	-3.1	
73	1,2-Dichlorobenzene	2.074	2.302	-11.0	
74	n-Butylbenzene	3.210	3.391	-5.6	
75	1,2,4-Trichlorobenzene	1.580	1.664	-5.3	
76	Naphthalene	3.696	3.989	-7.9	
77	Hexachlorobutadiene	1.340	1.371	-2.3	
78	int Bromochloromethane(sim)	1.000	1.000	0.0	88
79	1,2-Dichlorotetrafluoroetha	2.967	2.955	0.4	
80	Vinyl Chloride(sim)	1.099	1.074	2.3	
81	Bromomethane(sim)	1.216	1.188	2.3	
82	Trichlorofluoromethane(sim)	3.666	3.753	-2.4	
83	1,2-Dichloroethane(sim)	0.960	0.885	7.8	
84	1,1,1-Trichloroethane(sim)	1.620	1.599	1.3	
85	Benzene(sim)	2.425	2.246	7.4	
86	Carbon Tetrachloride(sim)	1.546	1.660	-7.4	
87	1,1-Dichloroethene(sim)	1.954	1.868	4.4	
88	Trichlorotrifluoroethane(si	2.629	2.749	-4.6	
89	Trans-1,2-Dichloroethene(si	1.030	0.927	10.0	
90	1,1-Dichloroethane(sim)	1.348	1.309	2.9	
91	Cis-1,2-Dichloroethene(sim)	1.064	0.972	8.6	
92	Chloroform(sim)	1.588	1.609	-1.3	
93	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	89
94	1,2-dichloropropane(sim)	0.327	0.322	1.5	
95	Bromodichloromethane(sim)	0.505	0.510	-1.0	
96	Trichloroethene(sim)	0.518	0.509	1.7	
97	1,4-Dioxane(sim)	0.176	0.179	-1.7	
98	cis-1,3-Dichloropropene(sim	0.447	0.439	1.8	
99	1,1,2-Trichloroethane(sim)	0.369	0.370	-0.3	
100	Dibromochloromethane(sim)	0.633	0.681	-7.6	
101	1,2-Dibromoethane(EDB)(sim)	0.640	0.598	6.6	
102	Tetrachloroethene(sim)	0.683	0.678	0.7	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_28.D
 Acq On : 1 Feb 2025 9:03 am
 Operator :
 Client ID : CCAL 1
 Lab ID : 1ppb cc
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 01 11:35:38 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Note: Curves (l, lf, q, qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
103 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	86
104	Bromoform(sim)	1.302	1.461	-12.2	
105	m,p-Xylene(sim)	2.144	2.229	-4.0	
106	1,1,2,2-Tetrachloroethane(s	1.965	1.964	0.1	
107	Benzyl chloride(sim)	1.601	1.562	2.4	
108	1,3-Dichlorobenzene(sim)	2.797	2.946	-5.3	
109	1,4-Dichlorobenzene(sim)	2.313	2.301	0.5	
110	sec-Butylbenzene(sim)	4.720	4.745	-0.5	
111	4-Isopropyltoluene(sim)	4.273	4.166	2.5	
112	1,2-Dichlorobenzene(sim)	2.670	2.651	0.7	
113	n-Butylbenzene(sim)	3.446	3.381	1.9	
114	1,2,4-Trichlorobenzene(sim)	2.278	2.036	10.6	
116 qf	Hexachlorobutadiene(sim)	1.000	0.936	6.4	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_28.D
 Acq On : 1 Feb 2025 9:03 am
 Operator :
 Client ID : CCAL 1
 Lab ID : 1ppb cc
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 01 11:35:38 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	334702	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1115039	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	467029	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	381253	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1115039	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	468433	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	593243	11.147	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 111.50%		

Target Compounds				Qvalue		
2) Propylene	3.735	41	26388	0.977	ppbv	96
3) Dichlorodifluoromethane	3.808	85	86811	1.067	ppbv#	91
4) Chloromethane	3.946	50	39202	1.019	ppbv	95
5) 1,2-Dichlorotetrafluor...	4.027	85	112679	1.045	ppbv#	72
6) Vinyl Chloride	4.133	62	40668	1.093	ppbv	92
7) 1,3-Butadiene	4.246	54	31173	1.022	ppbv#	83
8) Bromomethane	4.465	94	45289	1.074	ppbv	96
9) Chloroethane	4.595	64	20517	1.212	ppbv	90
11) Ethanol	4.700	45	19260	1.029	ppbv#	29
12) Acetone	5.057	43	94220	1.093	ppbv#	83
13) Trichlorofluoromethane	5.155	101	132043	1.044	ppbv	94
14) Isopropylalcohol	5.236	45	95146	1.059	ppbv#	94
15) Acrylonitrile	5.358	53	30718	0.983	ppbv#	1
16) 1,1-Dichloroethene	5.592	61	71217	1.041	ppbv#	79
17) Methylene Chloride	5.670	49	67495	1.107	ppbv	93
20) Carbon Disulfide	5.884	76	106438	1.193	ppbv	99
21) Trichlorotrifluoroethane	5.842	101	100015	1.132	ppbv	94
22) Trans-1,2-Dichloroethene	6.283	61	35337	0.983	ppbv#	72
23) 1,1-Dichloroethane	6.408	63	45124	0.997	ppbv	96
24) Methyl tert-butyl ethe...	6.465	73	62557	0.977	ppbv#	85
25) Methyl Ethyl Ketone	6.669	43	62976	0.978	ppbv#	91
26) Cis-1,2-Dichloroethene	6.926	61	37045	1.068	ppbv#	84
27) Hexane	7.042	57	38595	0.926	ppbv#	90
28) Chloroform	7.112	83	60175	1.096	ppbv	97
29) Ethyl acetate	7.057	61	10414	1.084	ppbv#	78
30) Tetrahydrofuran	7.391	42	32017	0.943	ppbv	96
31) 1,2-Dichloroethane	7.569	62	33739	0.977	ppbv#	83
32) 1,1,1-Trichloroethane	7.724	97	54959	0.980	ppbv	94
33) Benzene	8.010	78	85622	1.045	ppbv	96
34) Carbon Tetrachloride	8.097	117	54645	0.899	ppbv	93
35) Cyclohexane	8.175	84	33171	0.984	ppbv	90
37) 1,2-dichloropropane	8.486	63	31602	0.927	ppbv#	93
38) Bromodichloromethane	8.599	83	56868	0.896	ppbv	97
39) Trichloroethene	8.625	130	50054	0.925	ppbv#	82
40) 2,2,4-trimethylpentane	8.633	57	125595	0.906	ppbv	92
41) 1,4-Dioxane	8.633	88	19984	0.960	ppbv	90
43) Heptane	8.763	43	59169	0.994	ppbv	90
44) cis-1,3-Dichloropropene	9.114	75	44073	0.868	ppbv	89
45) 4-Methyl-2-pentanone(M...	9.135	43	82436	0.915	ppbv#	91
46) trans-1,3-Dichloropropene	9.403	75	36935	0.982	ppbv#	91
47) 1,1,2-Trichloroethane	9.515	97	41502	1.035	ppbv	96
48) Toluene	9.677	91	111832	0.986	ppbv#	96

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_28.D
 Acq On : 1 Feb 2025 9:03 am
 Operator :
 Client ID : CCAL 1
 Lab ID : 1ppb cc
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 01 11:35:38 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.931	129	65763	0.852	ppbv	98
50) 2-Hexanone(MBK)	9.804	43	76186	0.938	ppbv#	46
51) 1,2-Dibromoethane(EDB)	10.071	107	66734	0.961	ppbv	95
52) Tetrachloroethene	10.318	166	62569	0.941	ppbv	96
54) 1,1,1,2-Tetrachloroethane	10.682	131	52080	1.079	ppbv#	95
55) Chlorobenzene	10.690	112	97516	1.122	ppbv#	81
56) Ethylbenzene	10.887	91	133386	1.076	ppbv	89
57) m, p-Xylene	10.978	91	208788	2.293	ppbv	100
58) Bromoform	11.054	173	58329	1.051	ppbv	98
59) Styrene	11.183	104	82577	1.081	ppbv#	76
60) 1,1,2,2-Tetrachloroethane	11.243	83	85849	1.087	ppbv	94
61) o-Xylene	11.243	91	107544	1.064	ppbv#	84
64) Isopropylbenzene	11.569	105	155350	1.093	ppbv#	94
65) 4-Ethyltoluene	11.941	105	164142	1.108	ppbv#	91
66) 1,3,5-Trimethylbenzene	11.979	105	129583	1.112	ppbv#	92
67) 1,2,4-Trimethylbenzene	12.230	105	133980	1.014	ppbv#	87
68) Benzyl chloride	12.329	91	72645	0.913	ppbv#	90
69) 1,3-Dichlorobenzene	12.344	146	115297	1.103	ppbv#	88
70) 1,4-Dichlorobenzene	12.382	146	107783	1.066	ppbv	100
71) sec-Butylbenzene	12.397	105	191867	1.022	ppbv#	89
72) 4-Isopropyltoluene	12.488	119	194539	1.031	ppbv	100
73) 1,2-Dichlorobenzene	12.602	146	107531	1.110	ppbv#	88
74) n-Butylbenzene	12.746	91	158370	1.057	ppbv#	92
75) 1,2,4-Trichlorobenzene	13.749	180	77707	1.053	ppbv	96
76) Naphthalene	13.848	128	186289	1.079	ppbv#	96
77) Hexachlorobutadiene	14.091	225	64050	1.023	ppbv	92
79] 1,2-Dichlorotetrafluor...	4.027	85	112679	0.996	ppbv#	72
80] Vinyl Chloride(sim)	4.136	62	40964	0.977	ppbv	98
81] Bromomethane(sim)	4.465	94	45289	0.977	ppbv	97
82] Trichlorofluoromethane...	5.158	101	143092	1.024	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.569	62	33739	0.922	ppbv#	1
84] 1,1,1-Trichloroethane(...	7.727	97	60949	0.987	ppbv#	92
85] Benzene(sim)	8.010	78	85622	0.926	ppbv	96
86] Carbon Tetrachloride(sim)	8.100	117	63285	1.074	ppbv	96
87] 1,1-Dichloroethene(sim)	5.592	61	71217	0.956	ppbv#	79
88] Trichlorotrifluoroetha...	5.839	101	104796	1.046	ppbv#	97
89] Trans-1,2-Dichloroethe...	6.283	61	35337	0.900	ppbv#	72
90] 1,1-Dichloroethane(sim)	6.411	63	49887	0.971	ppbv	98
91] Cis-1,2-Dichloroethene...	6.926	61	37045	0.913	ppbv#	83
92] Chloroform(sim)	7.114	83	61360	1.013	ppbv	98
94] 1,2-dichloropropane(sim)	8.489	63	35936	0.985	ppbv#	85
95] Bromodichloromethane(sim)	8.599	83	56868	1.009	ppbv	96
96] Trichloroethene(sim)	8.627	130	56793	0.984	ppbv#	83
97] 1,4-Dioxane(sim)	8.633	88	19984	1.018	ppbv	89
98] cis-1,3-Dichloropropen...	9.110	75	48949	0.981	ppbv#	94
99] 1,1,2-Trichloroethane(...	9.515	97	41256	1.003	ppbv	96
100] Dibromochloromethane(sim)	9.927	129	75899	1.075	ppbv	98
101] 1,2-Dibromoethane(EDB)...	10.071	107	66722	0.935	ppbv	95
102] Tetrachloroethene(sim)	10.321	166	75574	0.993	ppbv	97
104] Bromoform(sim)	11.057	173	68415	1.121	ppbv	97
105] m, p-Xylene(sim)	10.978	91	208788	2.079	ppbv#	87
106] 1,1,2,2-Tetrachloroeth...	11.246	83	91995	0.999	ppbv	99
107] Benzyl chloride(sim)	12.329	91	73186	0.976	ppbv	90
108] 1,3-Dichlorobenzene(sim)	12.347	146	138003	1.053	ppbv#	89
109] 1,4-Dichlorobenzene(sim)	12.382	146	107783	0.995	ppbv#	85

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_28.D
Acq On : 1 Feb 2025 9:03 am
Operator :
Client ID : CCAL 1
Lab ID : 1ppb cc
ALS Vial : 23 Sample Multiplier: 1

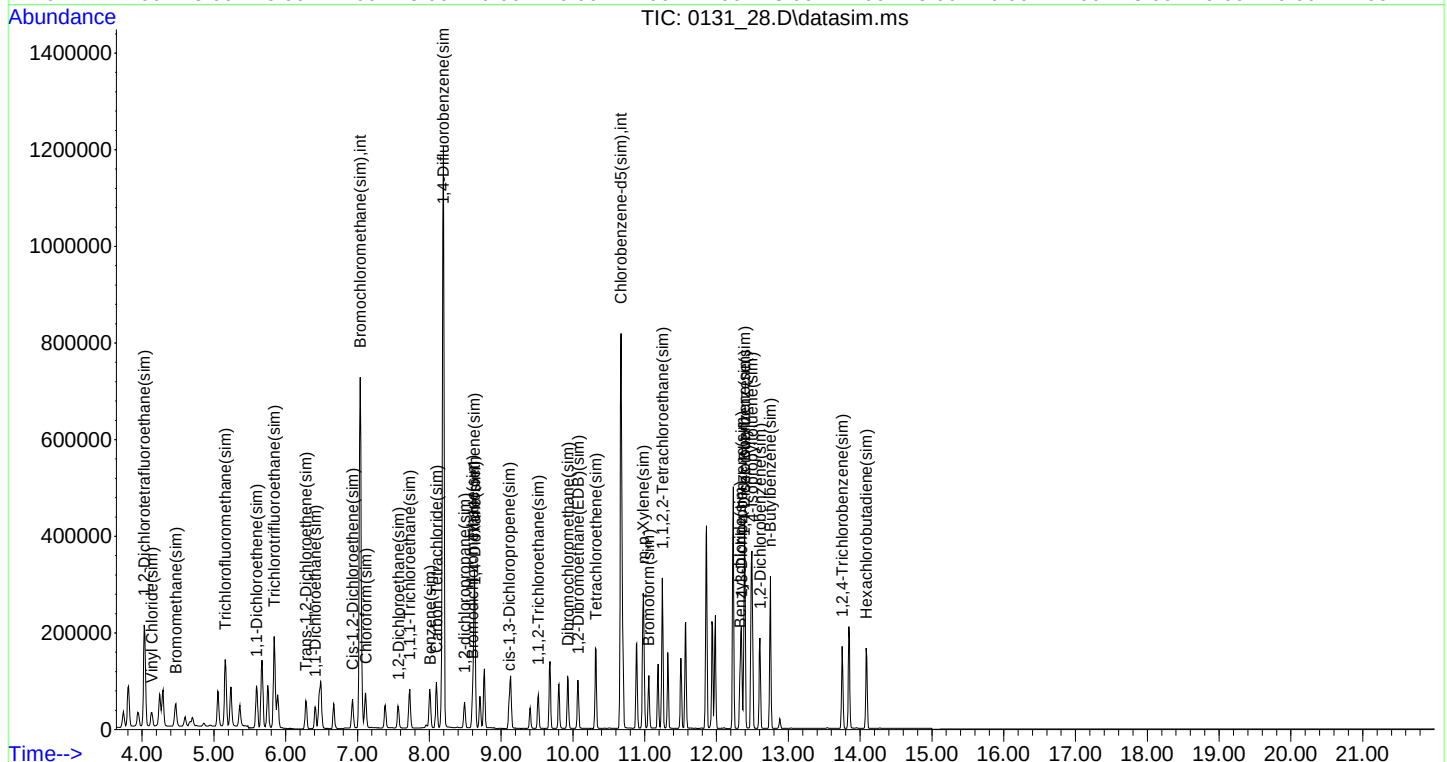
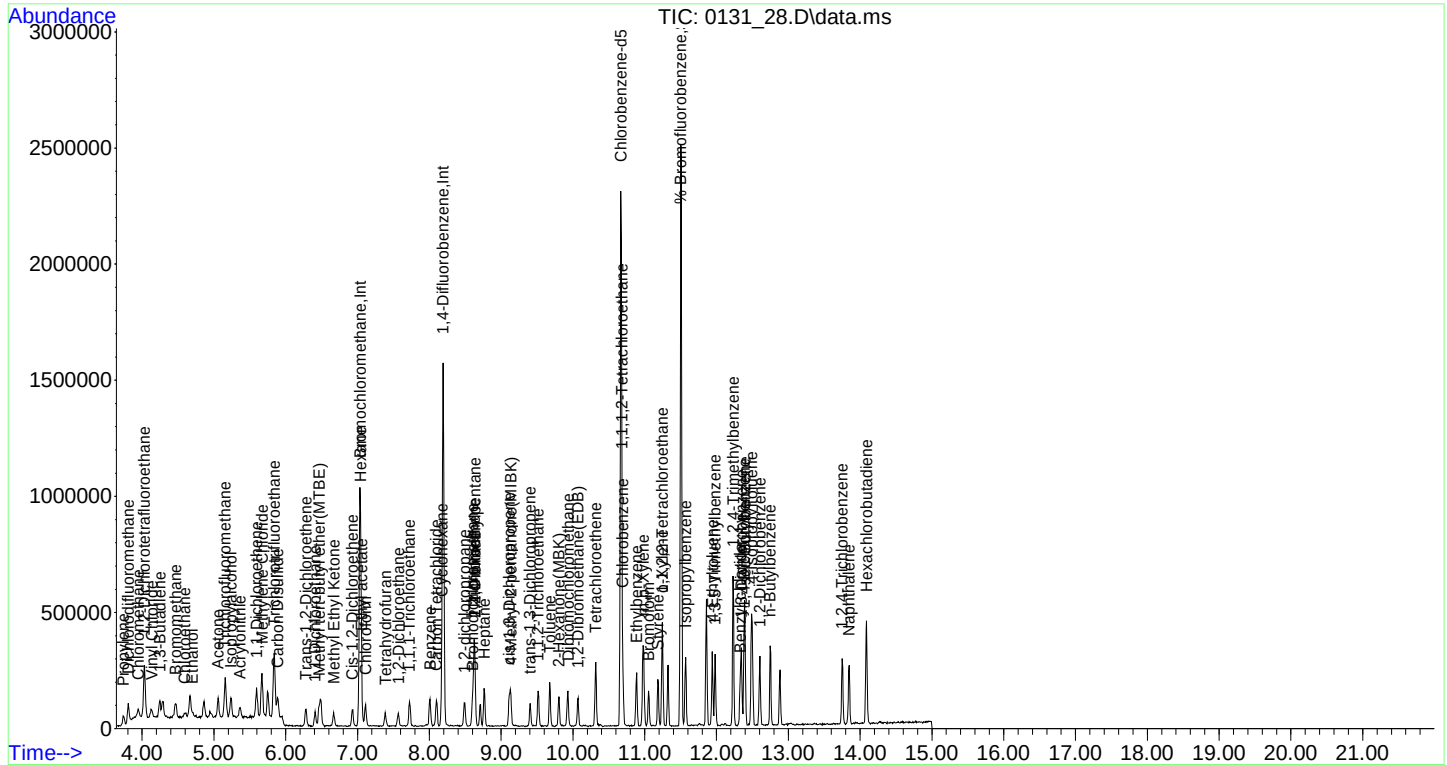
Quant Time: Feb 01 11:35:38 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.392	105	222281	1.005	ppbv	89
111]	4-Isopropyltoluene(sim)	12.488	119	195158	0.975	ppbv#	76
112]	1,2-Dichlorobenzene(sim)	12.605	146	124176	0.993	ppbv	92
113]	n-Butylbenzene(sim)	12.746	91	158370	0.981	ppbv	92
114]	1,2,4-Trichlorobenzene...	13.752	180	95377	0.894	ppbv	98
116]	Hexachlorobutadiene(sim)	14.086	225	86788	0.936	ppbv	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_28.D
Acq On : 1 Feb 2025 9:03 am
Operator :
Client ID : CCAL 1
Lab ID : 1ppb cc
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 01 11:35:38 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 01/31/25 Time: 13:22

Lab File Id: 0131_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	0.904	0.954		-5.5	30
Dichlorodifluoromethane	3.036	2.850		6.1	30
Chloromethane	1.106	1.075		2.8	30
1,2-Dichlorotetrafluoroethane	3.079	2.775		9.9	30
Vinyl Chloride	1.134	1.077		5.0	30
1,3-Butadiene	0.900	0.831		7.7	30
Bromomethane	1.199	1.049		12.5	30
Chloroethane	0.501	0.470		6.2	30
Ethanol	0.549	0.543		1.1	30
Acetone	1.862	1.807		3.0	30
Trichlorofluoromethane	3.248	3.087		5.0	30
Isopropylalcohol	2.158	2.192		-1.6	30
Acrylonitrile	0.774	0.788		-1.8	30
1,1-Dichloroethene	1.838	1.725		6.1	30
Methylene Chloride	1.468	1.504		-2.5	30
Carbon Disulfide	2.928	2.958		-1.0	30
Trichlorotrifluoroethane	2.453	2.346		4.4	30
Trans-1,2-Dichloroethene	1.694	1.595		5.8	30
1,1-Dichloroethane	2.044	2.038		0.3	30
Methyl tert-butyl ether(MTBE)	2.816	2.421		14.0	30
Methyl Ethyl Ketone	2.378	2.311		2.8	30
Cis-1,2-Dichloroethene	1.600	1.500		6.3	30
Hexane	1.580	1.467		7.2	30
Chloroform	2.414	2.318		4.0	30
Ethyl acetate	0.369	0.356		3.5	30
Tetrahydrofuran	1.121	1.054		6.0	30
1,2-Dichloroethane	1.715	1.567		8.6	30
1,1,1-Trichloroethane	2.534	2.445		3.5	30
Benzene	3.258	3.030		7.0	30
Carbon Tetrachloride	2.715	2.716		0.0	30
Cyclohexane	1.247	1.182		5.2	30
1,2-dichloropropane	0.389	0.380		2.3	30
Bromodichloromethane	0.764	0.753		1.4	30
Trichloroethene	0.481	0.458		4.8	30
2,2,4-trimethylpentane	1.504	1.446		3.9	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 01/31/25 Time: 13:22

Lab File Id: 0131_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.210	0.190		9.5	30
Heptane	0.605	0.592		2.1	30
cis-1,3-Dichloropropene	0.592	0.552		6.8	30
4-Methyl-2-pentanone(MIBK)	0.829	0.804		3.0	30
trans-1,3-Dichloropropene	0.478	0.434		9.2	30
1,1,2-Trichloroethane	0.425	0.415		2.4	30
Toluene	1.189	1.072		9.8	30
Dibromochloromethane	0.854	0.864		-1.2	30
2-Hexanone(MBK)	0.720	0.652		9.4	30
1,2-Dibromoethane(EDB)	0.729	0.693		4.9	30
Tetrachloroethene	0.664	0.616		7.2	30
1,1,1,2-Tetrachloroethane	1.107	1.161		-4.9	30
Chlorobenzene	1.900	1.931		-1.6	30
Ethylbenzene	2.992	2.740		8.4	30
m,p-Xylene	2.248	1.762		21.6	30
Bromoform	1.596	1.728		-8.3	30
Styrene	1.612	1.454		9.8	30
1,1,2,2-Tetrachloroethane	1.758	1.835		-4.4	30
o-Xylene	2.413	2.275		5.7	30
Isopropylbenzene	3.337	3.311		0.8	30
4-Ethyltoluene	3.210	3.135		2.3	30
1,3,5-Trimethylbenzene	2.661	2.542		4.5	30
1,2,4-Trimethylbenzene	2.762	2.574		6.8	30
Benzyl chloride qfi	1.000	0.74		26.0 #	20
1,3-Dichlorobenzene	1.669	1.653		1.0	30
1,4-Dichlorobenzene	1.503	1.476		1.8	30
sec-Butylbenzene	4.114	4.098		0.4	30
4-Isopropyltoluene	3.735	3.615		3.2	30
1,2-Dichlorobenzene	1.634	1.601		2.0	30
n-Butylbenzene	2.827	2.460		13.0	30
1,2,4-Trichlorobenzene qfi	1.000	0.53		47.0 #	20
Naphthalene qfi	1.000	0.53		47.0 #	20
Hexachlorobutadiene	1.672	1.655		1.0	30
1,2-Dichlorotetrafluoroethane(sim)	3.301	2.803		15.1	30
Vinyl Chloride(sim)	1.268	1.111		12.4	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 01/31/25 Time: 13:22

Lab File Id: 0131_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.349	1.059		21.5	30
Trichlorofluoromethane(sim)	3.414	3.227		5.5	30
1,2-Dichloroethane(sim)	1.795	1.584		11.8	30
1,1,1-Trichloroethane(sim)	2.721	2.598		4.5	30
Benzene(sim)	3.473	3.062		11.8	30
Carbon Tetrachloride(sim)	2.662	2.759		-3.6	30
1,1-Dichloroethene(sim)	1.989	1.743		12.4	30
Trichlorotrifluoroethane(sim)	2.646	2.486		6.0	30
Trans-1,2-Dichloroethene(sim)	1.821	1.612		11.5	30
1,1-Dichloroethane(sim)	2.260	2.148		5.0	30
Cis-1,2-Dichloroethene(sim)	1.764	1.516		14.1	30
Chloroform(sim)	2.631	2.457		6.6	30
1,2-dichloropropane(sim)	0.429	0.405		5.6	30
Bromodichloromethane(sim)	0.779	0.753		3.3	30
Trichloroethene(sim)	0.522	0.471		9.8	30
1,4-Dioxane(sim)	0.210	0.190		9.5	30
cis-1,3-Dichloropropene(sim)	0.618	0.589		4.7	30
1,1,2-Trichloroethane(sim)	0.442	0.415		6.1	30
Dibromochloromethane(sim)	0.824	0.850		-3.2	30
1,2-Dibromoethane(EDB)(sim)	0.742	0.693		6.6	30
Tetrachloroethene(sim)	0.785	0.622		20.8	30
Bromoform(sim)	1.490	1.625		-9.1	30
m,p-Xylene(sim)	2.723	2.218		18.5	30
1,1,2,2-Tetrachloroethane(sim)	1.949	1.894		2.8	30
Benzyl chloride(sim) qfi	1.000	1.21		-21.0 #	20
1,3-Dichlorobenzene(sim)	1.586	1.873		-18.1	30
1,4-Dichlorobenzene(sim)	1.247	1.473		-18.1	30
sec-Butylbenzene(sim)	4.827	4.369		9.5	30
4-Isopropyltoluene(sim)	3.916	3.614		7.7	30
1,2-Dichlorobenzene(sim)	1.670	1.758		-5.3	30
n-Butylbenzene(sim)	2.312	2.460		-6.4	30
1,2,4-Trichlorobenzene(sim) qfi	1.000	0.75		25.0 #	20
Hexachlorobutadiene(sim)	1.859	1.633		12.2	30
% Bromofluorobenzene	1.221	1.269		-3.9	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\01JAN\31\
 Data File : 0131_02.D
 Acq On : 31 Jan 2025 1:22 pm
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 13:59:49 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 Int	Bromochloromethane	1.000	1.000	0.0	100
2	Propylene	0.904	0.954	-5.5	
3	Dichlorodifluoromethane	3.036	2.850	6.1	
4	Chloromethane	1.106	1.075	2.8	
5	1,2-Dichlorotetrafluoroetha	3.079	2.775	9.9	
6	Vinyl Chloride	1.134	1.077	5.0	
7	1,3-Butadiene	0.900	0.831	7.7	
8	Bromomethane	1.199	1.049	12.5	
9	Chloroethane	0.501	0.470	6.2	
11	Ethanol	0.549	0.543	1.1	
12	Acetone	1.862	1.807	3.0	
13	Trichlorofluoromethane	3.248	3.087	5.0	
14	Isopropylalcohol	2.158	2.192	-1.6	
15	Acrylonitrile	0.774	0.788	-1.8	
16	1,1-Dichloroethene	1.838	1.725	6.1	
17	Methylene Chloride	1.468	1.504	-2.5	
20	Carbon Disulfide	2.928	2.958	-1.0	
21	Trichlorotrifluoroethane	2.453	2.346	4.4	
22	Trans-1,2-Dichloroethene	1.694	1.595	5.8	
23	1,1-Dichloroethane	2.044	2.038	0.3	
24	Methyl tert-butyl ether(MTB)	2.816	2.421	14.0	
25	Methyl Ethyl Ketone	2.378	2.311	2.8	
26	Cis-1,2-Dichloroethene	1.600	1.500	6.3	
27	Hexane	1.580	1.467	7.2	
28	Chloroform	2.414	2.318	4.0	
29	Ethyl acetate	0.369	0.356	3.5	
30	Tetrahydrofuran	1.121	1.054	6.0	
31	1,2-Dichloroethane	1.715	1.567	8.6	
32	1,1,1-Trichloroethane	2.534	2.445	3.5	
33	Benzene	3.258	3.030	7.0	
34	Carbon Tetrachloride	2.715	2.716	-0.0	
35	Cyclohexane	1.247	1.182	5.2	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	99
37	1,2-dichloropropane	0.389	0.380	2.3	
38	Bromodichloromethane	0.764	0.753	1.4	
39	Trichloroethene	0.481	0.458	4.8	
40	2,2,4-trimethylpentane	1.504	1.446	3.9	
41	1,4-Dioxane	0.210	0.190	9.5	
43	Heptane	0.605	0.592	2.1	
44	cis-1,3-Dichloropropene	0.592	0.552	6.8	
45	4-Methyl-2-pentanone(MIBK)	0.829	0.804	3.0	
46	trans-1,3-Dichloropropene	0.478	0.434	9.2	
47	1,1,2-Trichloroethane	0.425	0.415	2.4	
48	Toluene	1.189	1.072	9.8	
49	Dibromochloromethane	0.854	0.864	-1.2	
50	2-Hexanone(MBK)	0.720	0.652	9.4	
51	1,2-Dibromoethane(EDB)	0.729	0.693	4.9	
52	Tetrachloroethene	0.664	0.616	7.2	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	100

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\01JAN\31\
 Data File : 0131_02.D
 Acq On : 31 Jan 2025 1:22 pm
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 13:59:49 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
54	1,1,1,2-Tetrachloroethane	1.107	1.161	-4.9	
55	Chlorobenzene	1.900	1.931	-1.6	
56	Ethylbenzene	2.992	2.740	8.4	
57	m,p-Xylene	2.248	1.762	21.6	
58	Bromoform	1.596	1.728	-8.3	
59	Styrene	1.612	1.454	9.8	
60	1,1,2,2-Tetrachloroethane	1.758	1.835	-4.4	
61	o-Xylene	2.413	2.275	5.7	
62	Surr % Bromofluorobenzene	1.221	1.269	-3.9	
64	Isopropylbenzene	3.337	3.311	0.8	
66	4-Ethyltoluene	3.210	3.135	2.3	
67	1,3,5-Trimethylbenzene	2.661	2.542	4.5	
68	1,2,4-Trimethylbenzene	2.762	2.574	6.8	
70	qf Benzyl chloride	1.000	0.739	26.1	
71	1,3-Dichlorobenzene	1.669	1.653	1.0	
72	1,4-Dichlorobenzene	1.503	1.476	1.8	
73	sec-Butylbenzene	4.114	4.098	0.4	
74	4-Isopropyltoluene	3.735	3.615	3.2	
75	1,2-Dichlorobenzene	1.634	1.601	2.0	
76	n-Butylbenzene	2.827	2.460	13.0	
77	qf 1,2,4-Trichlorobenzene	1.000	0.533	46.7#	
78	qf Naphthalene	1.000	0.535	46.5#	
79	Hexachlorobutadiene	1.672	1.655	1.0	
80	int Bromochloromethane(sim)	1.000	1.000	0.0	99
81	1,2-Dichlorotetrafluoroetha	3.301	2.803	15.1	
82	Vinyl Chloride(sim)	1.268	1.111	12.4	
83	Bromomethane(sim)	1.349	1.059	21.5	
84	Trichlorofluoromethane(sim)	3.414	3.227	5.5	
85	1,2-Dichloroethane(sim)	1.795	1.584	11.8	
86	1,1,1-Trichloroethane(sim)	2.721	2.598	4.5	
87	Benzene(sim)	3.473	3.062	11.8	
88	Carbon Tetrachloride(sim)	2.662	2.759	-3.6	
89	1,1-Dichloroethene(sim)	1.989	1.743	12.4	
90	Trichlorotrifluoroethane(si	2.646	2.486	6.0	
91	Trans-1,2-Dichloroethene(si	1.821	1.612	11.5	
92	1,1-Dichloroethane(sim)	2.260	2.148	5.0	
93	Cis-1,2-Dichloroethene(sim)	1.764	1.516	14.1	
94	Chloroform(sim)	2.631	2.457	6.6	
95	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	99
96	1,2-dichloropropane(sim)	0.429	0.405	5.6	
97	Bromodichloromethane(sim)	0.779	0.753	3.3	
98	Trichloroethene(sim)	0.522	0.471	9.8	
99	1,4-Dioxane(sim)	0.210	0.190	9.5	
100	cis-1,3-Dichloropropene(sim	0.618	0.589	4.7	
101	1,1,2-Trichloroethane(sim)	0.442	0.415	6.1	
102	Dibromochloromethane(sim)	0.824	0.850	-3.2	
103	1,2-Dibromoethane(EDB)(sim)	0.742	0.693	6.6	
104	Tetrachloroethene(sim)	0.785	0.622	20.8	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\01JAN\31\
 Data File : 0131_02.D
 Acq On : 31 Jan 2025 1:22 pm
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 13:59:49 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
105 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	101
106	Bromoform(sim)	1.490	1.625	-9.1	
107	m,p-Xylene(sim)	2.723	2.218	18.5	
108	1,1,2,2-Tetrachloroethane(s	1.949	1.894	2.8	
111 qf	Benzyl chloride(sim)	1.000	1.213	-21.3#	
112	1,3-Dichlorobenzene(sim)	1.586	1.873	-18.1	
113	1,4-Dichlorobenzene(sim)	1.247	1.473	-18.1	
114	sec-Butylbenzene(sim)	4.827	4.369	9.5	
115	4-Isopropyltoluene(sim)	3.916	3.614	7.7	
116	1,2-Dichlorobenzene(sim)	1.670	1.758	-5.3	
117	n-Butylbenzene(sim)	2.312	2.460	-6.4	
118 qf	1,2,4-Trichlorobenzene(sim)	1.000	0.753	24.7#	
119	Hexachlorobutadiene(sim)	1.859	1.633	12.2	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\AIR2025\CHEM24\01JAN\31\
 Data File : 0131_02.D
 Acq On : 31 Jan 2025 1:22 pm
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 13:59:49 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	299953	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	1016120	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	490085	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	296860	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	1016120	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	490211	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	621903	10.395	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 104.00%		

Target Compounds						Qvalue
2) Propylene	4.070	41	28613	1.055	ppbv	95
3) Dichlorodifluoromethane	4.145	85	85481	0.939	ppbv	98
4) Chloromethane	4.294	50	32254	0.972	ppbv	94
5) 1,2-Dichlorotetrafluor...	4.385	85	83222	0.901	ppbv	84
6) Vinyl Chloride	4.493	62	32290	0.949	ppbv	97
7) 1,3-Butadiene	4.617	54	24935	0.923	ppbv	94
8) Bromomethane	4.850	94	31451	0.875	ppbv	97
9) Chloroethane	4.991	64	14102	0.939	ppbv	99
11) Ethanol	5.065	45	16295	0.990	ppbv#	94
12) Acetone	5.449	43	54199	0.970	ppbv	92
13) Trichlorofluoromethane	5.578	101	92590	0.951	ppbv	97
14) Isopropylalcohol	5.621	45	65742	1.016	ppbv#	87
15) Acrylonitrile	5.778	53	23622	1.017	ppbv	100
16) 1,1-Dichloroethene	6.034	61	51743	0.939	ppbv	97
17) Methylene Chloride	6.112	49	45108	1.025	ppbv	92
20) Carbon Disulfide	6.344	76	88739	1.010	ppbv	98
21) Trichlorotrifluoroethane	6.284	101	70371	0.956	ppbv	93
22) Trans-1,2-Dichloroethene	6.737	61	47846	0.942	ppbv	93
23) 1,1-Dichloroethane	6.875	63	61135	0.997	ppbv	97
24) Methyl tert-butyl ethe...	6.907	73	72613	0.860	ppbv	94
25) Methyl Ethyl Ketone	7.110	43	69307	0.972	ppbv	98
26) Cis-1,2-Dichloroethene	7.402	61	44993	0.937	ppbv	94
27) Hexane	7.523	57	44013	0.929	ppbv#	84
28) Chloroform	7.588	83	69518	0.960	ppbv	97
29) Ethyl acetate	7.515	61	10669	0.964	ppbv#	78
30) Tetrahydrofuran	7.848	42	31610	0.940	ppbv#	90
31) 1,2-Dichloroethane	8.059	62	47015	0.914	ppbv	98
32) 1,1,1-Trichloroethane	8.221	97	73326	0.965	ppbv	96
33) Benzene	8.502	78	90900	0.930	ppbv	97
34) Carbon Tetrachloride	8.588	117	81455	1.000	ppbv	99
35) Cyclohexane	8.675	84	35444	0.948	ppbv#	85
37) 1,2-dichloropropane	8.978	63	38573	0.976	ppbv#	93
38) Bromodichloromethane	9.090	83	76493	0.986	ppbv	97
39) Trichloroethene	9.107	130	46526	0.953	ppbv	95
40) 2,2,4-trimethylpentane	9.116	57	146915	0.961	ppbv	96
41) 1,4-Dioxane	9.107	88	19276	0.903	ppbv#	87
43) Heptane	9.246	43	60148	0.978	ppbv#	92
44) cis-1,3-Dichloropropene	9.596	75	56110	0.933	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.603	43	81656	0.969	ppbv	96
46) trans-1,3-Dichloropropene	9.884	75	44142	0.908	ppbv	95
47) 1,1,2-Trichloroethane	9.997	97	42178	0.977	ppbv	95
48) Toluene	10.159	91	108910	0.901	ppbv	99

Data Path : H:\AIR2025\CHEM24\01JAN\31\
 Data File : 0131_02.D
 Acq On : 31 Jan 2025 1:22 pm
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 13:59:49 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	87797	1.011	ppbv	99
50) 2-Hexanone(MBK)	10.272	43	66301	0.906	ppbv	91
51) 1,2-Dibromoethane(EDB)	10.553	107	70461	0.951	ppbv	99
52) Tetrachloroethene	10.800	166	62554	0.927	ppbv	99
54) 1,1,1,2-Tetrachloroethane	11.162	131	56879	1.048	ppbv	99
55) Chlorobenzene	11.177	112	94627	1.016	ppbv	94
56) Ethylbenzene	11.367	91	134300	0.916	ppbv	98
57) m, p-Xylene	11.458	91	215923	1.960	ppbv	98
58) Bromoform	11.541	173	84707	1.083	ppbv	100
59) Styrene	11.663	104	71256	0.902	ppbv	95
60) 1,1,2,2-Tetrachloroethane	11.723	83	89908	1.044	ppbv	92
61) o-Xylene	11.723	91	111495	0.943	ppbv	97
64) Isopropylbenzene	12.042	105	162267	0.992	ppbv	98
66) 4-Ethyltoluene	12.416	105	153634	0.977	ppbv	97
67) 1,3,5-Trimethylbenzene	12.455	105	124589	0.955	ppbv	96
68) 1,2,4-Trimethylbenzene	12.711	105	126143	0.932	ppbv	98
70) Benzyl chloride	12.805	91	58947	0.739	ppbv	98
71) 1,3-Dichlorobenzene	12.820	146	81012	0.991	ppbv	98
72) 1,4-Dichlorobenzene	12.867	146	72336	0.982	ppbv	99
73) sec-Butylbenzene	12.875	105	200850	0.996	ppbv	97
74) 4-Isopropyltoluene	12.960	119	177152	0.968	ppbv	96
75) 1,2-Dichlorobenzene	13.085	146	78439	0.980	ppbv	97
76) n-Butylbenzene	13.224	91	120585	0.870	ppbv	96
77) 1,2,4-Trichlorobenzene	14.282	180	20736	0.533	ppbv	94
78) Naphthalene	14.383	128	54909	0.535	ppbv#	98
79) Hexachlorobutadiene	14.639	225	81094	0.990	ppbv	97
81] 1,2-Dichlorotetrafluor...	4.385	85	83222	0.849	ppbv#	83
82] Vinyl Chloride(sim)	4.496	62	32969	0.876	ppbv	97
83] Bromomethane(sim)	4.850	94	31451	0.785	ppbv	96
84] Trichlorofluoromethane...	5.581	101	95802	0.945	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.059	62	47015	0.882	ppbv	98
86] 1,1,1-Trichloroethane(...	8.224	97	77115	0.955	ppbv#	98
87] Benzene(sim)	8.502	78	90900	0.882	ppbv	97
88] Carbon Tetrachloride(sim)	8.591	117	81897	1.036	ppbv	99
89] 1,1-Dichloroethene(sim)	6.034	61	51743	0.876	ppbv	97
90] Trichlorotrifluoroetha...	6.287	101	73808	0.939	ppbv#	95
91] Trans-1,2-Dichloroethe...	6.737	61	47846	0.885	ppbv	93
92] 1,1-Dichloroethane(sim)	6.869	63	63773	0.951	ppbv	97
93] Cis-1,2-Dichloroethene...	7.402	61	44993	0.859	ppbv	94
94] Chloroform(sim)	7.591	83	72924	0.934	ppbv	98
96] 1,2-dichloropropane(sim)	8.972	63	41115	0.943	ppbv#	90
97] Bromodichloromethane(sim)	9.090	83	76493	0.967	ppbv	98
98] Trichloroethene(sim)	9.110	130	47855	0.903	ppbv	94
99] 1,4-Dioxane(sim)	9.107	88	19276	0.903	ppbv#	87
100] cis-1,3-Dichloropropen...	9.592	75	59895	0.953	ppbv	96
101] 1,1,2-Trichloroethane(...	9.997	97	42178	0.938	ppbv	95
102] Dibromochloromethane(sim)	10.408	129	86412	1.032	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	70461	0.935	ppbv	99
104] Tetrachloroethene(sim)	10.795	166	63171	0.792	ppbv	99
106] Bromoform(sim)	11.537	173	79645	1.091	ppbv	100
107] m, p-Xylene(sim)	11.458	91	217426	1.629	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.719	83	92852	0.972	ppbv	98
111] Benzyl chloride(sim)	12.805	91	58947	1.213	ppbv	98
112] 1,3-Dichlorobenzene(sim)	12.823	146	91821	1.181	ppbv	97
113] 1,4-Dichlorobenzene(sim)	12.867	146	72205	1.181	ppbv	99

Data Path : H:\AIR2025\CHEM24\01JAN\31\
Data File : 0131_02.D
Acq On : 31 Jan 2025 1:22 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
ALS Vial : 2 Sample Multiplier: 1

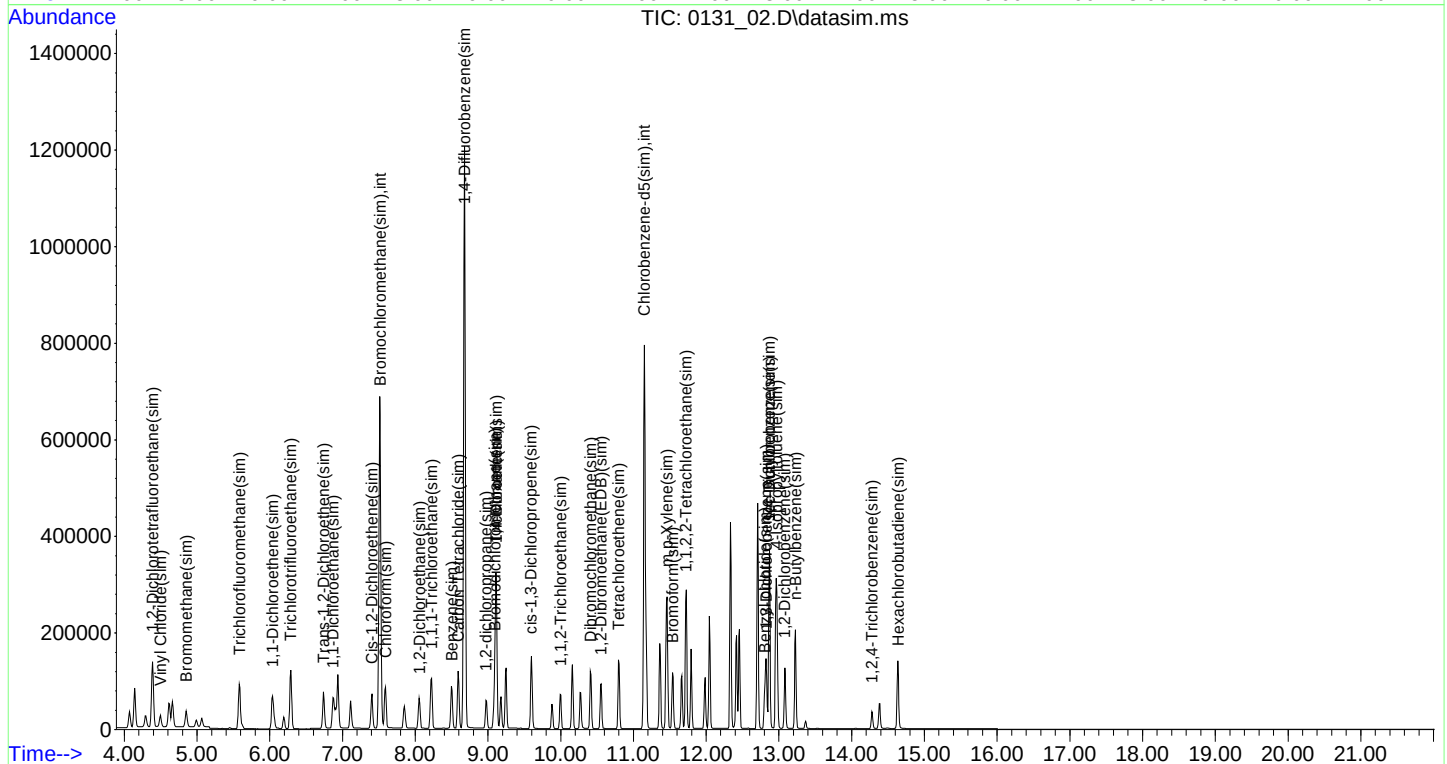
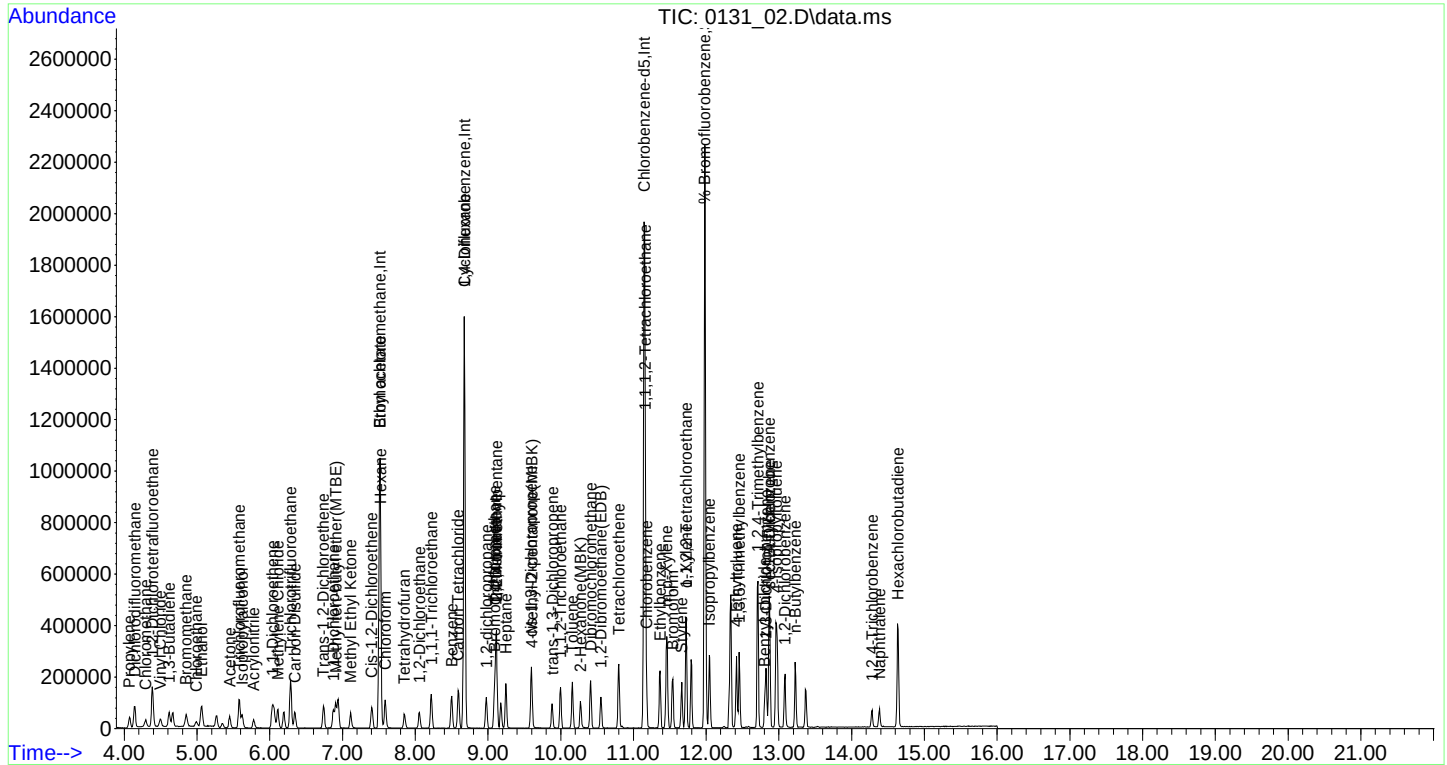
Quant Time: Jan 31 13:59:49 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 24 09:47:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	214152	0.905	ppbv	98
115]	4-Isopropyltoluene(sim)	12.960	119	177152	0.923	ppbv	96
116]	1,2-Dichlorobenzene(sim)	13.080	146	86191	1.053	ppbv	98
117]	n-Butylbenzene(sim)	13.224	91	120585	1.064	ppbv	96
118]	1,2,4-Trichlorobenzene...	14.277	180	22834	0.753	ppbv	100
119]	Hexachlorobutadiene(sim)	14.639	225	80041	0.879	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\31\
Data File : 0131_02.D
Acq On : 31 Jan 2025 1:22 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 13:59:49 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 24 09:47:42 2025
Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 02/03/25 Time: 14:28

Lab File Id: 0203_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	0.904	1.014		-12.2	30
Dichlorodifluoromethane	3.036	3.056		-0.7	30
Chloromethane	1.106	1.166		-5.4	30
1,2-Dichlorotetrafluoroethane	3.079	2.969		3.6	30
Vinyl Chloride	1.134	1.102		2.8	30
1,3-Butadiene	0.900	0.875		2.8	30
Bromomethane	1.199	1.140		4.9	30
Chloroethane	0.501	0.492		1.8	30
Ethanol	0.549	0.561		-2.2	30
Acetone	1.862	2.049		-10.0	30
Trichlorofluoromethane	3.248	3.287		-1.2	30
Isopropylalcohol	2.158	2.303		-6.7	30
Acrylonitrile	0.774	0.855		-10.5	30
1,1-Dichloroethene	1.838	1.833		0.3	30
Methylene Chloride	1.468	1.558		-6.1	30
Carbon Disulfide	2.928	3.202		-9.4	30
Trichlorotrifluoroethane	2.453	2.536		-3.4	30
Trans-1,2-Dichloroethene	1.694	1.707		-0.8	30
1,1-Dichloroethane	2.044	2.161		-5.7	30
Methyl tert-butyl ether(MTBE)	2.816	2.652		5.8	30
Methyl Ethyl Ketone	2.378	2.446		-2.9	30
Cis-1,2-Dichloroethene	1.600	1.597		0.2	30
Hexane	1.580	1.581		-0.1	30
Chloroform	2.414	2.462		-2.0	30
Ethyl acetate	0.369	0.366		0.8	30
Tetrahydrofuran	1.121	1.148		-2.4	30
1,2-Dichloroethane	1.715	1.698		1.0	30
1,1,1-Trichloroethane	2.534	2.631		-3.8	30
Benzene	3.258	3.248		0.3	30
Carbon Tetrachloride	2.715	2.889		-6.4	30
Cyclohexane	1.247	1.247		0.0	30
1,2-dichloropropane	0.389	0.397		-2.1	30
Bromodichloromethane	0.764	0.774		-1.3	30
Trichloroethene	0.481	0.504		-4.8	30
2,2,4-trimethylpentane	1.504	1.520		-1.1	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 02/03/25 Time: 14:28

Lab File Id: 0203_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.210	0.204		2.9	30
Heptane	0.605	0.632		-4.5	30
cis-1,3-Dichloropropene	0.592	0.586		1.0	30
4-Methyl-2-pentanone(MIBK)	0.829	0.832		-0.4	30
trans-1,3-Dichloropropene	0.478	0.456		4.6	30
1,1,2-Trichloroethane	0.425	0.437		-2.8	30
Toluene	1.189	1.151		3.2	30
Dibromochloromethane	0.854	0.903		-5.7	30
2-Hexanone(MBK)	0.720	0.681		5.4	30
1,2-Dibromoethane(EDB)	0.729	0.723		0.8	30
Tetrachloroethene	0.664	0.654		1.5	30
1,1,1,2-Tetrachloroethane	1.107	1.244		-12.4	30
Chlorobenzene	1.900	2.003		-5.4	30
Ethylbenzene	2.992	2.883		3.6	30
m,p-Xylene	2.248	1.865		17.0	30
Bromoform	1.596	1.803		-13.0	30
Styrene	1.612	1.517		5.9	30
1,1,2,2-Tetrachloroethane	1.758	1.865		-6.1	30
o-Xylene	2.413	2.439		-1.1	30
Isopropylbenzene	3.337	3.550		-6.4	30
4-Ethyltoluene	3.210	3.321		-3.5	30
1,3,5-Trimethylbenzene	2.661	2.644		0.6	30
1,2,4-Trimethylbenzene	2.762	2.711		1.8	30
Benzyl chloride qfi	1.000	0.72		28.0 #	20
1,3-Dichlorobenzene	1.669	1.656		0.8	30
1,4-Dichlorobenzene	1.503	1.484		1.3	30
sec-Butylbenzene	4.114	4.207		-2.3	30
4-Isopropyltoluene	3.735	3.823		-2.4	30
1,2-Dichlorobenzene	1.634	1.626		0.5	30
n-Butylbenzene	2.827	2.558		9.5	30
1,2,4-Trichlorobenzene qfi	1.000	0.57		43.0 #	20
Naphthalene qfi	1.000	0.57		43.0 #	20
Hexachlorobutadiene	1.672	1.692		-1.2	30
1,2-Dichlorotetrafluoroethane(sim)	3.301	2.979		9.8	30
Vinyl Chloride(sim)	1.268	1.180		6.9	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 02/03/25 Time: 14:28

Lab File Id: 0203_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.349	1.144		15.2	30
Trichlorofluoromethane(sim)	3.414	3.410		0.1	30
1,2-Dichloroethane(sim)	1.795	1.703		5.1	30
1,1,1-Trichloroethane(sim)	2.721	2.762		-1.5	30
Benzene(sim)	3.473	3.259		6.2	30
Carbon Tetrachloride(sim)	2.662	2.906		-9.2	30
1,1-Dichloroethene(sim)	1.989	1.840		7.5	30
Trichlorotrifluoroethane(sim)	2.646	2.651		-0.2	30
Trans-1,2-Dichloroethene(sim)	1.821	1.712		6.0	30
1,1-Dichloroethane(sim)	2.260	2.280		-0.9	30
Cis-1,2-Dichloroethene(sim)	1.764	1.602		9.2	30
Chloroform(sim)	2.631	2.595		1.4	30
1,2-dichloropropane(sim)	0.429	0.428		0.2	30
Bromodichloromethane(sim)	0.779	0.774		0.6	30
Trichloroethene(sim)	0.522	0.493		5.6	30
1,4-Dioxane(sim)	0.210	0.204		2.9	30
cis-1,3-Dichloropropene(sim)	0.618	0.625		-1.1	30
1,1,2-Trichloroethane(sim)	0.442	0.437		1.1	30
Dibromochloromethane(sim)	0.824	0.891		-8.1	30
1,2-Dibromoethane(EDB)(sim)	0.742	0.723		2.6	30
Tetrachloroethene(sim)	0.785	0.654		16.7	30
Bromoform(sim)	1.490	1.711		-14.8	30
m,p-Xylene(sim)	2.723	2.332		14.4	30
1,1,2,2-Tetrachloroethane(sim)	1.949	1.965		-0.8	30
Benzyl chloride(sim) qfi	1.000	1.18		-18.0	20
1,3-Dichlorobenzene(sim)	1.586	1.879		-18.5	30
1,4-Dichlorobenzene(sim)	1.247	1.484		-19.0	30
sec-Butylbenzene(sim)	4.827	4.511		6.5	30
4-Isopropyltoluene(sim)	3.916	3.823		2.4	30
1,2-Dichlorobenzene(sim)	1.670	1.759		-5.3	30
n-Butylbenzene(sim)	2.312	2.558		-10.6	30
1,2,4-Trichlorobenzene(sim) qfi	1.000	0.79		21.0 #	20
Hexachlorobutadiene(sim)	1.859	1.689		9.1	30
% Bromofluorobenzene	1.221	1.251		-2.5	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\02FEB\03\
 Data File : 0203_02.D
 Acq On : 3 Feb 2025 2:28 pm
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 07:48:23 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 08:37:36 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 Int	Bromochloromethane	1.000	1.000	0.0	94
2	Propylene	0.904	1.014	-12.2	
3	Dichlorodifluoromethane	3.036	3.056	-0.7	
4	Chloromethane	1.106	1.166	-5.4	
5	1,2-Dichlorotetrafluoroetha	3.079	2.969	3.6	
6	Vinyl Chloride	1.134	1.102	2.8	
7	1,3-Butadiene	0.900	0.875	2.8	
8	Bromomethane	1.199	1.140	4.9	
9	Chloroethane	0.501	0.492	1.8	
11	Ethanol	0.549	0.561	-2.2	
12	Acetone	1.862	2.049	-10.0	
13	Trichlorofluoromethane	3.248	3.287	-1.2	
14	Isopropylalcohol	2.158	2.303	-6.7	
15	Acrylonitrile	0.774	0.855	-10.5	
16	1,1-Dichloroethene	1.838	1.833	0.3	
17	Methylene Chloride	1.468	1.558	-6.1	
20	Carbon Disulfide	2.928	3.202	-9.4	
21	Trichlorotrifluoroethane	2.453	2.536	-3.4	
22	Trans-1,2-Dichloroethene	1.694	1.707	-0.8	
23	1,1-Dichloroethane	2.044	2.161	-5.7	
24	Methyl tert-butyl ether(MTB)	2.816	2.652	5.8	
25	Methyl Ethyl Ketone	2.378	2.446	-2.9	
26	Cis-1,2-Dichloroethene	1.600	1.597	0.2	
27	Hexane	1.580	1.581	-0.1	
28	Chloroform	2.414	2.462	-2.0	
29	Ethyl acetate	0.369	0.366	0.8	
30	Tetrahydrofuran	1.121	1.148	-2.4	
31	1,2-Dichloroethane	1.715	1.698	1.0	
32	1,1,1-Trichloroethane	2.534	2.631	-3.8	
33	Benzene	3.258	3.248	0.3	
34	Carbon Tetrachloride	2.715	2.889	-6.4	
35	Cyclohexane	1.247	1.247	0.0	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	94
37	1,2-dichloropropane	0.389	0.397	-2.1	
38	Bromodichloromethane	0.764	0.774	-1.3	
39	Trichloroethene	0.481	0.504	-4.8	
40	2,2,4-trimethylpentane	1.504	1.520	-1.1	
41	1,4-Dioxane	0.210	0.204	2.9	
43	Heptane	0.605	0.632	-4.5	
44	cis-1,3-Dichloropropene	0.592	0.586	1.0	
45	4-Methyl-2-pentanone(MIBK)	0.829	0.832	-0.4	
46	trans-1,3-Dichloropropene	0.478	0.456	4.6	
47	1,1,2-Trichloroethane	0.425	0.437	-2.8	
48	Toluene	1.189	1.151	3.2	
49	Dibromochloromethane	0.854	0.903	-5.7	
50	2-Hexanone(MBK)	0.720	0.681	5.4	
51	1,2-Dibromoethane(EDB)	0.729	0.723	0.8	
52	Tetrachloroethene	0.664	0.654	1.5	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	96

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\02FEB\03\
 Data File : 0203_02.D
 Acq On : 3 Feb 2025 2:28 pm
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 07:48:23 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 08:37:36 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
54	1,1,1,2-Tetrachloroethane	1.107	1.244	-12.4	
55	Chlorobenzene	1.900	2.003	-5.4	
56	Ethylbenzene	2.992	2.883	3.6	
57	m,p-Xylene	2.248	1.865	17.0	
58	Bromoform	1.596	1.803	-13.0	
59	Styrene	1.612	1.517	5.9	
60	1,1,2,2-Tetrachloroethane	1.758	1.865	-6.1	
61	o-Xylene	2.413	2.439	-1.1	
62	Surr % Bromofluorobenzene	1.221	1.251	-2.5	
64	Isopropylbenzene	3.337	3.550	-6.4	
66	4-Ethyltoluene	3.210	3.321	-3.5	
67	1,3,5-Trimethylbenzene	2.661	2.644	0.6	
68	1,2,4-Trimethylbenzene	2.762	2.711	1.8	
70	qf Benzyl chloride	1.000	0.717	28.3	
71	1,3-Dichlorobenzene	1.669	1.656	0.8	
72	1,4-Dichlorobenzene	1.503	1.484	1.3	
73	sec-Butylbenzene	4.114	4.207	-2.3	
74	4-Isopropyltoluene	3.735	3.823	-2.4	
75	1,2-Dichlorobenzene	1.634	1.626	0.5	
76	n-Butylbenzene	2.827	2.558	9.5	
77	qf 1,2,4-Trichlorobenzene	1.000	0.565	43.5#	
78	qf Naphthalene	1.000	0.571	42.9#	
79	Hexachlorobutadiene	1.672	1.692	-1.2	
80	int Bromochloromethane(sim)	1.000	1.000	0.0	94
81	1,2-Dichlorotetrafluoroetha	3.301	2.979	9.8	
82	Vinyl Chloride(sim)	1.268	1.180	6.9	
83	Bromomethane(sim)	1.349	1.144	15.2	
84	Trichlorofluoromethane(sim)	3.414	3.410	0.1	
85	1,2-Dichloroethane(sim)	1.795	1.703	5.1	
86	1,1,1-Trichloroethane(sim)	2.721	2.762	-1.5	
87	Benzene(sim)	3.473	3.259	6.2	
88	Carbon Tetrachloride(sim)	2.662	2.906	-9.2	
89	1,1-Dichloroethene(sim)	1.989	1.840	7.5	
90	Trichlorotrifluoroethane(si	2.646	2.651	-0.2	
91	Trans-1,2-Dichloroethene(si	1.821	1.712	6.0	
92	1,1-Dichloroethane(sim)	2.260	2.280	-0.9	
93	Cis-1,2-Dichloroethene(sim)	1.764	1.602	9.2	
94	Chloroform(sim)	2.631	2.595	1.4	
95	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	94
96	1,2-dichloropropane(sim)	0.429	0.428	0.2	
97	Bromodichloromethane(sim)	0.779	0.774	0.6	
98	Trichloroethene(sim)	0.522	0.493	5.6	
99	1,4-Dioxane(sim)	0.210	0.204	2.9	
100	cis-1,3-Dichloropropene(sim	0.618	0.625	-1.1	
101	1,1,2-Trichloroethane(sim)	0.442	0.437	1.1	
102	Dibromochloromethane(sim)	0.824	0.891	-8.1	
103	1,2-Dibromoethane(EDB)(sim)	0.742	0.723	2.6	
104	Tetrachloroethene(sim)	0.785	0.654	16.7	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\02FEB\03\
 Data File : 0203_02.D
 Acq On : 3 Feb 2025 2:28 pm
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 07:48:23 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 08:37:36 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
105 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	96
106	Bromoform(sim)	1.490	1.711	-14.8	
107	m,p-Xylene(sim)	2.723	2.332	14.4	
108	1,1,2,2-Tetrachloroethane(s	1.949	1.965	-0.8	
111 qf	Benzyl chloride(sim)	1.000	1.185	-18.5#	
112	1,3-Dichlorobenzene(sim)	1.586	1.879	-18.5	
113	1,4-Dichlorobenzene(sim)	1.247	1.484	-19.0	
114	sec-Butylbenzene(sim)	4.827	4.511	6.5	
115	4-Isopropyltoluene(sim)	3.916	3.823	2.4	
116	1,2-Dichlorobenzene(sim)	1.670	1.759	-5.3	
117	n-Butylbenzene(sim)	2.312	2.558	-10.6	
118 qf	1,2,4-Trichlorobenzene(sim)	1.000	0.786	21.4#	
119	Hexachlorobutadiene(sim)	1.859	1.689	9.1	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\AIR2025\CHEM24\02FEB\03\
 Data File : 0203_02.D
 Acq On : 3 Feb 2025 2:28 pm
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 07:48:23 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 08:37:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	281924	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	970306	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	468909	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	280970	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	970306	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	468909	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.981	95	586464	10.246	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 102.50%	

Target Compounds

						Qvalue
2) Propylene	4.079	41	28596	1.122	ppbv	97
3) Dichlorodifluoromethane	4.145	85	86165	1.007	ppbv	97
4) Chloromethane	4.294	50	32873	1.054	ppbv	100
5) 1,2-Dichlorotetrafluor...	4.385	85	83704	0.964	ppbv#	83
6) Vinyl Chloride	4.501	62	31071	0.972	ppbv	99
7) 1,3-Butadiene	4.618	54	24679	0.972	ppbv#	94
8) Bromomethane	4.850	94	32146	0.951	ppbv	97
9) Chloroethane	4.991	64	13861	0.982	ppbv	95
11) Ethanol	5.065	45	15825	1.023	ppbv#	94
12) Acetone	5.443	43	57765	1.100	ppbv	94
13) Trichlorofluoromethane	5.584	101	92662	1.012	ppbv	97
14) Isopropylalcohol	5.621	45	64927	1.067	ppbv#	87
15) Acrylonitrile	5.778	53	24094	1.104	ppbv	97
16) 1,1-Dichloroethene	6.034	61	51689	0.998	ppbv	94
17) Methylene Chloride	6.112	49	43926	1.062	ppbv	90
20) Carbon Disulfide	6.344	76	90259	1.094	ppbv	99
21) Trichlorotrifluoroethane	6.290	101	71491	1.034	ppbv	94
22) Trans-1,2-Dichloroethene	6.737	61	48111	1.007	ppbv	92
23) 1,1-Dichloroethane	6.874	63	60917	1.057	ppbv	97
24) Methyl tert-butyl ethe...	6.907	73	74778	0.942	ppbv	94
25) Methyl Ethyl Ketone	7.110	43	68948	1.029	ppbv	95
26) Cis-1,2-Dichloroethene	7.402	61	45023	0.998	ppbv	93
27) Hexane	7.523	57	44559	1.000	ppbv#	85
28) Chloroform	7.588	83	69402	1.020	ppbv	98
29) Ethyl acetate	7.507	61	10305	0.991	ppbv#	79
30) Tetrahydrofuran	7.848	42	32372	1.025	ppbv#	92
31) 1,2-Dichloroethane	8.058	62	47863	0.990	ppbv	97
32) 1,1,1-Trichloroethane	8.221	97	74175	1.038	ppbv	96
33) Benzene	8.502	78	91574	0.997	ppbv	96
34) Carbon Tetrachloride	8.588	117	81448	1.064	ppbv	99
35) Cyclohexane	8.675	84	35165	1.000	ppbv#	86
37) 1,2-dichloropropane	8.978	63	38533	1.021	ppbv#	95
38) Bromodichloromethane	9.090	83	75081	1.013	ppbv	98
39) Trichloroethene	9.107	130	48929	1.049	ppbv	96
40) 2,2,4-trimethylpentane	9.116	57	147474	1.011	ppbv	95
41) 1,4-Dioxane	9.107	88	19841	0.974	ppbv#	84
43) Heptane	9.246	43	61296	1.044	ppbv	92
44) cis-1,3-Dichloropropene	9.596	75	56853	0.990	ppbv	94
45) 4-Methyl-2-pentanone(M...	9.596	43	80773	1.004	ppbv	96
46) trans-1,3-Dichloropropene	9.877	75	44234	0.953	ppbv	95
47) 1,1,2-Trichloroethane	9.997	97	42372	1.028	ppbv	96
48) Toluene	10.159	91	111675	0.968	ppbv	99

Data Path : H:\AIR2025\CHEM24\02FEB\03\
 Data File : 0203_02.D
 Acq On : 3 Feb 2025 2:28 pm
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 07:48:23 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 08:37:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	87591	1.057	ppbv	99
50) 2-Hexanone(MBK)	10.271	43	66110	0.946	ppbv	91
51) 1,2-Dibromoethane(EDB)	10.553	107	70131	0.992	ppbv	99
52) Tetrachloroethene	10.799	166	63456	0.985	ppbv	99
54) 1,1,1,2-Tetrachloroethane	11.162	131	58319	1.123	ppbv	96
55) Chlorobenzene	11.177	112	93939	1.054	ppbv	93
56) Ethylbenzene	11.367	91	135198	0.964	ppbv	98
57) m, p-Xylene	11.458	91	218661	2.074	ppbv	97
58) Bromoform	11.534	173	84532	1.129	ppbv	99
59) Styrene	11.663	104	71135	0.941	ppbv	95
60) 1,1,2,2-Tetrachloroethane	11.723	83	87437	1.061	ppbv	93
61) o-Xylene	11.723	91	114365	1.011	ppbv	97
64) Isopropylbenzene	12.042	105	166451	1.064	ppbv	98
66) 4-Ethyltoluene	12.416	105	155728	1.035	ppbv	98
67) 1,3,5-Trimethylbenzene	12.455	105	123963	0.993	ppbv#	96
68) 1,2,4-Trimethylbenzene	12.711	105	127144	0.982	ppbv	97
70) Benzyl chloride	12.805	91	54720	0.717	ppbv	98
71) 1,3-Dichlorobenzene	12.820	146	77635	0.992	ppbv	97
72) 1,4-Dichlorobenzene	12.867	146	69567	0.987	ppbv	99
73) sec-Butylbenzene	12.867	105	197282	1.023	ppbv	97
74) 4-Isopropyltoluene	12.960	119	179274	1.024	ppbv	96
75) 1,2-Dichlorobenzene	13.084	146	76268	0.995	ppbv	97
76) n-Butylbenzene	13.224	91	119967	0.905	ppbv	97
77) 1,2,4-Trichlorobenzene	14.282	180	21050	0.565	ppbv	98
78) Naphthalene	14.383	128	56073	0.571	ppbv#	98
79) Hexachlorobutadiene	14.632	225	79344	1.012	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.385	85	83710	0.903	ppbv#	83
82] Vinyl Chloride(sim)	4.496	62	33155	0.930	ppbv	98
83] Bromomethane(sim)	4.850	94	32146	0.848	ppbv	97
84] Trichlorofluoromethane...	5.581	101	95816	0.999	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.058	62	47863	0.949	ppbv	97
86] 1,1,1-Trichloroethane(...	8.224	97	77593	1.015	ppbv#	97
87] Benzene(sim)	8.502	78	91574	0.939	ppbv	96
88] Carbon Tetrachloride(sim)	8.591	117	81640	1.092	ppbv	99
89] 1,1-Dichloroethene(sim)	6.034	61	51689	0.925	ppbv	94
90] Trichlorotrifluoroetha...	6.287	101	74482	1.002	ppbv#	95
91] Trans-1,2-Dichloroethe...	6.737	61	48111	0.941	ppbv	92
92] 1,1-Dichloroethane(sim)	6.869	63	64074	1.009	ppbv	97
93] Cis-1,2-Dichloroethene...	7.402	61	45023	0.909	ppbv	93
94] Chloroform(sim)	7.591	83	72900	0.986	ppbv	98
96] 1,2-dichloropropane(sim)	8.972	63	41537	0.998	ppbv#	91
97] Bromodichloromethane(sim)	9.090	83	75081	0.994	ppbv	99
98] Trichloroethene(sim)	9.110	130	47844	0.945	ppbv	93
99] 1,4-Dioxane(sim)	9.107	88	19841	0.973	ppbv#	84
100] cis-1,3-Dichloropropen...	9.592	75	60623	1.010	ppbv	96
101] 1,1,2-Trichloroethane(...	9.997	97	42372	0.987	ppbv	96
102] Dibromochloromethane(sim)	10.408	129	86499	1.082	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	70131	0.974	ppbv	99
104] Tetrachloroethene(sim)	10.795	166	63445	0.833	ppbv	99
106] Bromoform(sim)	11.537	173	80252	1.149	ppbv	100
107] m, p-Xylene(sim)	11.458	91	218661	1.712	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.719	83	92121	1.008	ppbv	98
111] Benzyl chloride(sim)	12.805	91	54720	1.185	ppbv	98
112] 1,3-Dichlorobenzene(sim)	12.823	146	88096	1.185	ppbv	97
113] 1,4-Dichlorobenzene(sim)	12.867	146	69567	1.189	ppbv	99

Data Path : H:\AIR2025\CHEM24\02FEB\03\
Data File : 0203_02.D
Acq On : 3 Feb 2025 2:28 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 07:48:23 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 08:37:36 2025
Response via : Initial Calibration

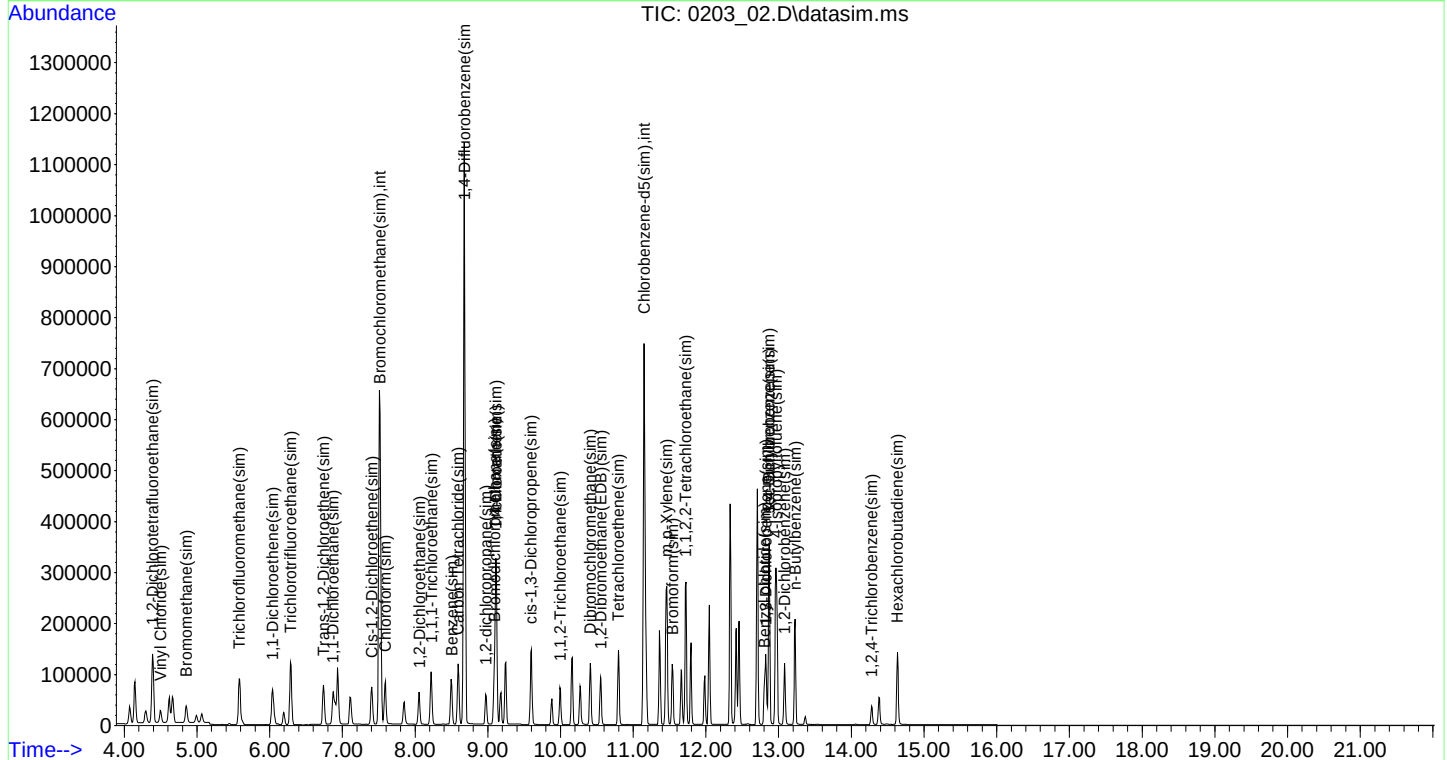
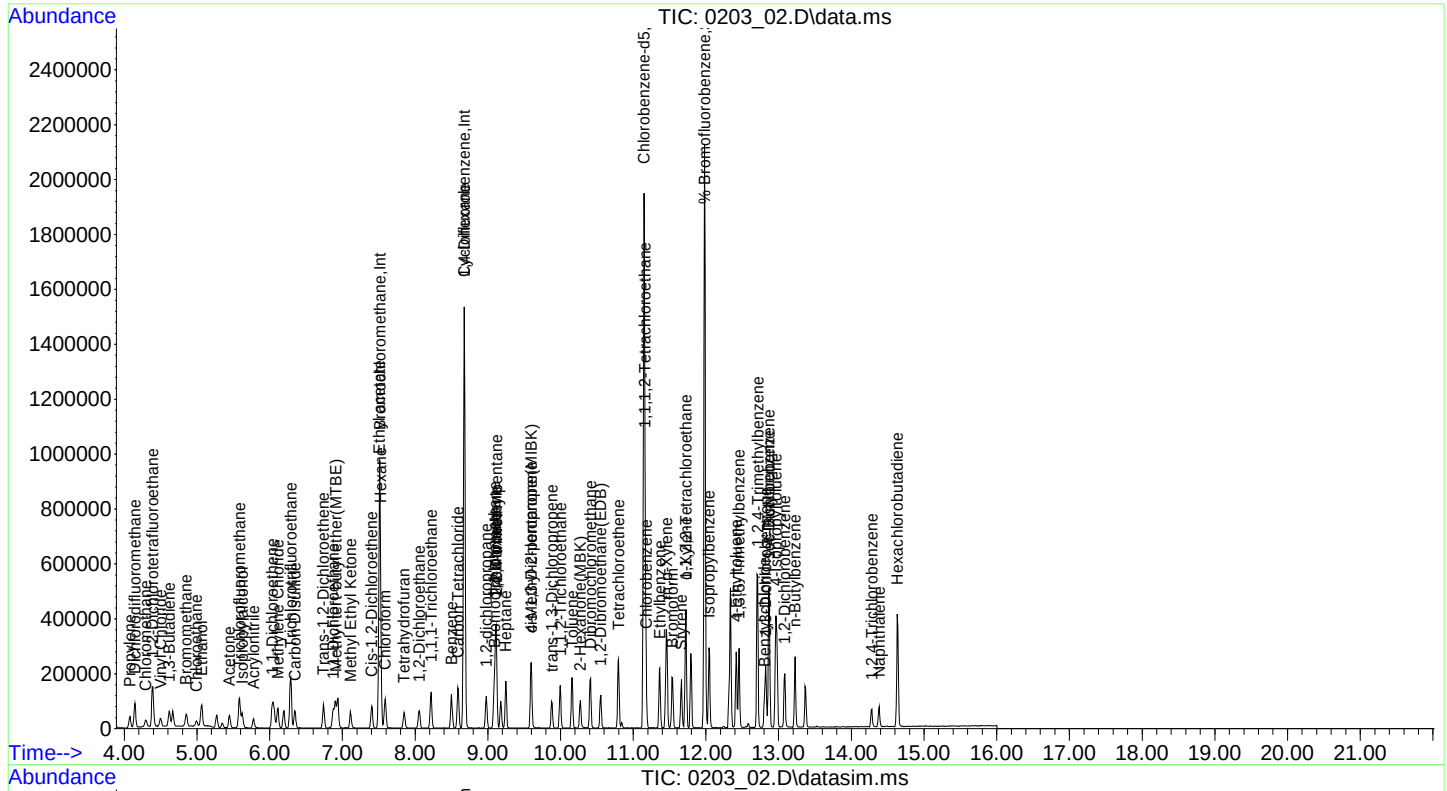
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	211508	0.935	ppbv	98
115]	4-Isopropyltoluene(sim)	12.960	119	179274	0.976	ppbv	96
116]	1,2-Dichlorobenzene(sim)	13.080	146	82470	1.053	ppbv	97
117]	n-Butylbenzene(sim)	13.224	91	119967	1.107	ppbv	97
118]	1,2,4-Trichlorobenzene...	14.277	180	23643	0.786	ppbv	99
119]	Hexachlorobutadiene(sim)	14.632	225	79206	0.909	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM24\02FEB\03\
Data File : 0203_02.D
Acq On : 3 Feb 2025 2:28 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; T01512R - 1ppb ccal; T01512R
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 07:48:23 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri Jan 31 08:37:36 2025
Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 02/04/25 Time: 13:55

Lab File Id: 0204_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Propylene	0.904	0.963		-6.5	30
Dichlorodifluoromethane	3.036	3.007		1.0	30
Chloromethane	1.106	1.148		-3.8	30
1,2-Dichlorotetrafluoroethane	3.079	2.908		5.6	30
Vinyl Chloride	1.134	1.110		2.1	30
1,3-Butadiene	0.900	0.864		4.0	30
Bromomethane	1.199	1.111		7.3	30
Chloroethane	0.501	0.473		5.6	30
Ethanol	0.549	0.552		-0.5	30
Acetone	1.862	1.939		-4.1	30
Trichlorofluoromethane	3.248	3.231		0.5	30
Isopropylalcohol	2.158	2.328		-7.9	30
Acrylonitrile	0.774	0.839		-8.4	30
1,1-Dichloroethene	1.838	1.798		2.2	30
Methylene Chloride	1.468	1.543		-5.1	30
Carbon Disulfide	2.928	3.195		-9.1	30
Trichlorotrifluoroethane	2.453	2.514		-2.5	30
Trans-1,2-Dichloroethene	1.694	1.710		-0.9	30
1,1-Dichloroethane	2.044	2.146		-5.0	30
Methyl tert-butyl ether(MTBE)	2.816	2.548		9.5	30
Methyl Ethyl Ketone	2.378	2.395		-0.7	30
Cis-1,2-Dichloroethene	1.600	1.576		1.5	30
Hexane	1.580	1.518		3.9	30
Chloroform	2.414	2.433		-0.8	30
Ethyl acetate	0.369	0.378		-2.4	30
Tetrahydrofuran	1.121	1.075		4.1	30
1,2-Dichloroethane	1.715	1.650		3.8	30
1,1,1-Trichloroethane	2.534	2.546		-0.5	30
Benzene	3.258	3.231		0.8	30
Carbon Tetrachloride	2.715	2.861		-5.4	30
Cyclohexane	1.247	1.206		3.3	30
1,2-dichloropropane	0.389	0.410		-5.4	30
Bromodichloromethane	0.764	0.772		-1.0	30
Trichloroethene	0.481	0.473		1.7	30
2,2,4-trimethylpentane	1.504	1.499		0.3	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 02/04/25 Time: 13:55

Lab File Id: 0204_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.210	0.202		3.8	30
Heptane	0.605	0.613		-1.3	30
cis-1,3-Dichloropropene	0.592	0.572		3.4	30
4-Methyl-2-pentanone(MIBK)	0.829	0.820		1.1	30
trans-1,3-Dichloropropene	0.478	0.447		6.5	30
1,1,2-Trichloroethane	0.425	0.432		-1.6	30
Toluene	1.189	1.116		6.1	30
Dibromochloromethane	0.854	0.887		-3.9	30
2-Hexanone(MBK)	0.720	0.646		10.3	30
1,2-Dibromoethane(EDB)	0.729	0.715		1.9	30
Tetrachloroethene	0.664	0.642		3.3	30
1,1,1,2-Tetrachloroethane	1.107	1.219		-10.1	30
Chlorobenzene	1.900	2.003		-5.4	30
Ethylbenzene	2.992	2.881		3.7	30
m,p-Xylene	2.248	1.814		19.3	30
Bromoform	1.596	1.731		-8.5	30
Styrene	1.612	1.491		7.5	30
1,1,2,2-Tetrachloroethane	1.758	1.873		-6.5	30
o-Xylene	2.413	2.399		0.6	30
Isopropylbenzene	3.337	3.454		-3.5	30
4-Ethyltoluene	3.210	3.216		-0.2	30
1,3,5-Trimethylbenzene	2.661	2.648		0.5	30
1,2,4-Trimethylbenzene	2.762	2.659		3.7	30
Benzyl chloride qfi	1.000	0.66		34.0 #	20
1,3-Dichlorobenzene	1.669	1.560		6.5	30
1,4-Dichlorobenzene	1.503	1.364		9.2	30
sec-Butylbenzene	4.114	4.110		0.1	30
4-Isopropyltoluene	3.735	3.654		2.2	30
1,2-Dichlorobenzene	1.634	1.557		4.7	30
n-Butylbenzene	2.827	2.410		14.8	30
1,2,4-Trichlorobenzene qfi	1.000	0.44		56.0 #	20
Naphthalene qfi	1.000	0.47		53.0 #	20
Hexachlorobutadiene	1.672	1.682		-0.6	30
1,2-Dichlorotetrafluoroethane(sim)	3.301	2.926		11.4	30
Vinyl Chloride(sim)	1.268	1.165		8.1	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 02/04/25 Time: 13:55

Lab File Id: 0204_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.349	1.118		17.1	30
Trichlorofluoromethane(sim)	3.414	3.382		0.9	30
1,2-Dichloroethane(sim)	1.795	1.659		7.6	30
1,1,1-Trichloroethane(sim)	2.721	2.709		0.4	30
Benzene(sim)	3.473	3.251		6.4	30
Carbon Tetrachloride(sim)	2.662	2.908		-9.2	30
1,1-Dichloroethene(sim)	1.989	1.809		9.0	30
Trichlorotrifluoroethane(sim)	2.646	2.624		0.8	30
Trans-1,2-Dichloroethene(sim)	1.821	1.720		5.5	30
1,1-Dichloroethane(sim)	2.260	2.270		-0.4	30
Cis-1,2-Dichloroethene(sim)	1.764	1.585		10.1	30
Chloroform(sim)	2.631	2.583		1.8	30
1,2-dichloropropane(sim)	0.429	0.424		1.2	30
Bromodichloromethane(sim)	0.779	0.772		0.9	30
Trichloroethene(sim)	0.522	0.486		6.9	30
1,4-Dioxane(sim)	0.210	0.202		3.8	30
cis-1,3-Dichloropropene(sim)	0.618	0.611		1.1	30
1,1,2-Trichloroethane(sim)	0.442	0.432		2.3	30
Dibromochloromethane(sim)	0.824	0.879		-6.7	30
1,2-Dibromoethane(EDB)(sim)	0.742	0.715		3.6	30
Tetrachloroethene(sim)	0.785	0.643		18.1	30
Bromoform(sim)	1.490	1.676		-12.5	30
m,p-Xylene(sim)	2.723	2.268		16.7	30
1,1,2,2-Tetrachloroethane(sim)	1.949	1.930		1.0	30
Benzyl chloride(sim) qfi	1.000	1.11		-11.0	20
1,3-Dichlorobenzene(sim)	1.586	1.760		-11.0	30
1,4-Dichlorobenzene(sim)	1.247	1.364		-9.4	30
sec-Butylbenzene(sim)	4.827	4.379		9.3	30
4-Isopropyltoluene(sim)	3.916	3.654		6.7	30
1,2-Dichlorobenzene(sim)	1.670	1.694		-1.4	30
n-Butylbenzene(sim)	2.312	2.410		-4.2	30
1,2,4-Trichlorobenzene(sim) qfi	1.000	0.69		31.0 #	20
Hexachlorobutadiene(sim)	1.859	1.678		9.7	30
% Bromofluorobenzene	1.221	1.229		-0.7	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\02FEB\04\
 Data File : 0204_02.D
 Acq On : 4 Feb 2025 1:55 pm
 Operator : Keith
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 14:24:07 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 Int	Bromochloromethane	1.000	1.000	0.0	95
2	Propylene	0.904	0.963	-6.5	
3	Dichlorodifluoromethane	3.036	3.007	1.0	
4	Chloromethane	1.106	1.148	-3.8	
5	1,2-Dichlorotetrafluoroetha	3.079	2.908	5.6	
6	Vinyl Chloride	1.134	1.110	2.1	
7	1,3-Butadiene	0.900	0.864	4.0	
8	Bromomethane	1.199	1.111	7.3	
9	Chloroethane	0.501	0.473	5.6	
11	Ethanol	0.549	0.552	-0.5	
12	Acetone	1.862	1.939	-4.1	
13	Trichlorofluoromethane	3.248	3.231	0.5	
14	Isopropylalcohol	2.158	2.328	-7.9	
15	Acrylonitrile	0.774	0.839	-8.4	
16	1,1-Dichloroethene	1.838	1.798	2.2	
17	Methylene Chloride	1.468	1.543	-5.1	
20	Carbon Disulfide	2.928	3.195	-9.1	
21	Trichlorotrifluoroethane	2.453	2.514	-2.5	
22	Trans-1,2-Dichloroethene	1.694	1.710	-0.9	
23	1,1-Dichloroethane	2.044	2.146	-5.0	
24	Methyl tert-butyl ether(MTB)	2.816	2.548	9.5	
25	Methyl Ethyl Ketone	2.378	2.395	-0.7	
26	Cis-1,2-Dichloroethene	1.600	1.576	1.5	
27	Hexane	1.580	1.518	3.9	
28	Chloroform	2.414	2.433	-0.8	
29	Ethyl acetate	0.369	0.378	-2.4	
30	Tetrahydrofuran	1.121	1.075	4.1	
31	1,2-Dichloroethane	1.715	1.650	3.8	
32	1,1,1-Trichloroethane	2.534	2.546	-0.5	
33	Benzene	3.258	3.231	0.8	
34	Carbon Tetrachloride	2.715	2.861	-5.4	
35	Cyclohexane	1.247	1.206	3.3	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	95
37	1,2-dichloropropane	0.389	0.410	-5.4	
38	Bromodichloromethane	0.764	0.772	-1.0	
39	Trichloroethene	0.481	0.473	1.7	
40	2,2,4-trimethylpentane	1.504	1.499	0.3	
41	1,4-Dioxane	0.210	0.202	3.8	
43	Heptane	0.605	0.613	-1.3	
44	cis-1,3-Dichloropropene	0.592	0.572	3.4	
45	4-Methyl-2-pentanone(MIBK)	0.829	0.820	1.1	
46	trans-1,3-Dichloropropene	0.478	0.447	6.5	
47	1,1,2-Trichloroethane	0.425	0.432	-1.6	
48	Toluene	1.189	1.116	6.1	
49	Dibromochloromethane	0.854	0.887	-3.9	
50	2-Hexanone(MBK)	0.720	0.646	10.3	
51	1,2-Dibromoethane(EDB)	0.729	0.715	1.9	
52	Tetrachloroethene	0.664	0.642	3.3	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	96

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\02FEB\04\
 Data File : 0204_02.D
 Acq On : 4 Feb 2025 1:55 pm
 Operator : Keith
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 14:24:07 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev Area%	
54	1,1,1,2-Tetrachloroethane	1.107	1.219	-10.1	
55	Chlorobenzene	1.900	2.003	-5.4	
56	Ethylbenzene	2.992	2.881	3.7	
57	m,p-Xylene	2.248	1.814	19.3	
58	Bromoform	1.596	1.731	-8.5	
59	Styrene	1.612	1.491	7.5	
60	1,1,2,2-Tetrachloroethane	1.758	1.873	-6.5	
61	o-Xylene	2.413	2.399	0.6	
62	Surr % Bromofluorobenzene	1.221	1.229	-0.7	
64	Isopropylbenzene	3.337	3.454	-3.5	
66	4-Ethyltoluene	3.210	3.216	-0.2	
67	1,3,5-Trimethylbenzene	2.661	2.648	0.5	
68	1,2,4-Trimethylbenzene	2.762	2.659	3.7	
70	qf Benzyl chloride	1.000	0.661	33.9	
71	1,3-Dichlorobenzene	1.669	1.560	6.5	
72	1,4-Dichlorobenzene	1.503	1.364	9.2	
73	sec-Butylbenzene	4.114	4.110	0.1	
74	4-Isopropyltoluene	3.735	3.654	2.2	
75	1,2-Dichlorobenzene	1.634	1.557	4.7	
76	n-Butylbenzene	2.827	2.410	14.8	
77	qf 1,2,4-Trichlorobenzene	1.000	0.441	55.9#	
78	qf Naphthalene	1.000	0.467	53.3#	
79	Hexachlorobutadiene	1.672	1.682	-0.6	
80	int Bromochloromethane(sim)	1.000	1.000	0.0	94
81	1,2-Dichlorotetrafluoroetha	3.301	2.926	11.4	
82	Vinyl Chloride(sim)	1.268	1.165	8.1	
83	Bromomethane(sim)	1.349	1.118	17.1	
84	Trichlorofluoromethane(sim)	3.414	3.382	0.9	
85	1,2-Dichloroethane(sim)	1.795	1.659	7.6	
86	1,1,1-Trichloroethane(sim)	2.721	2.709	0.4	
87	Benzene(sim)	3.473	3.251	6.4	
88	Carbon Tetrachloride(sim)	2.662	2.908	-9.2	
89	1,1-Dichloroethene(sim)	1.989	1.809	9.0	
90	Trichlorotrifluoroethane(si	2.646	2.624	0.8	
91	Trans-1,2-Dichloroethene(si	1.821	1.720	5.5	
92	1,1-Dichloroethane(sim)	2.260	2.270	-0.4	
93	Cis-1,2-Dichloroethene(sim)	1.764	1.585	10.1	
94	Chloroform(sim)	2.631	2.583	1.8	
95	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	95
96	1,2-dichloropropane(sim)	0.429	0.424	1.2	
97	Bromodichloromethane(sim)	0.779	0.772	0.9	
98	Trichloroethene(sim)	0.522	0.486	6.9	
99	1,4-Dioxane(sim)	0.210	0.202	3.8	
100	cis-1,3-Dichloropropene(sim	0.618	0.611	1.1	
101	1,1,2-Trichloroethane(sim)	0.442	0.432	2.3	
102	Dibromochloromethane(sim)	0.824	0.879	-6.7	
103	1,2-Dibromoethane(EDB)(sim)	0.742	0.715	3.6	
104	Tetrachloroethene(sim)	0.785	0.643	18.1	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\02FEB\04\
 Data File : 0204_02.D
 Acq On : 4 Feb 2025 1:55 pm
 Operator : Keith
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 14:24:07 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

Note: Curves (l, lf, q, qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
105 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	96
106	Bromoform(sim)	1.490	1.676	-12.5	
107	m,p-Xylene(sim)	2.723	2.268	16.7	
108	1,1,2,2-Tetrachloroethane(s	1.949	1.930	1.0	
111 qf	Benzyl chloride(sim)	1.000	1.111	-11.1#	
112	1,3-Dichlorobenzene(sim)	1.586	1.760	-11.0	
113	1,4-Dichlorobenzene(sim)	1.247	1.364	-9.4	
114	sec-Butylbenzene(sim)	4.827	4.379	9.3	
115	4-Isopropyltoluene(sim)	3.916	3.654	6.7	
116	1,2-Dichlorobenzene(sim)	1.670	1.694	-1.4	
117	n-Butylbenzene(sim)	2.312	2.410	-4.2	
118 qf	1,2,4-Trichlorobenzene(sim)	1.000	0.692	30.8	
119	Hexachlorobutadiene(sim)	1.859	1.678	9.7	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\AIR2025\CHEM24\02FEB\04\
 Data File : 0204_02.D
 Acq On : 4 Feb 2025 1:55 pm
 Operator : Keith
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 14:24:07 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	284246	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	974898	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	470467	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	282560	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	974898	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	470467	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	578332	10.070	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.70%
Target Compounds						
					Qvalue	
2) Propylene	4.079	41	27370	1.065	ppbv	97
3) Dichlorodifluoromethane	4.145	85	85470	0.990	ppbv	97
4) Chloromethane	4.294	50	32645	1.038	ppbv	98
5) 1,2-Dichlorotetrafluor...	4.385	85	82669	0.945	ppbv#	83
6) Vinyl Chloride	4.501	62	31549	0.979	ppbv	98
7) 1,3-Butadiene	4.618	54	24572	0.960	ppbv	91
8) Bromomethane	4.850	94	31579	0.927	ppbv	97
9) Chloroethane	4.991	64	13434	0.944	ppbv	96
11) Ethanol	5.074	45	15699	1.007	ppbv	94
12) Acetone	5.449	43	55103	1.041	ppbv	94
13) Trichlorofluoromethane	5.584	101	91837	0.995	ppbv	97
14) Isopropylalcohol	5.621	45	66178	1.079	ppbv#	89
15) Acrylonitrile	5.778	53	23847	1.084	ppbv	97
16) 1,1-Dichloroethene	6.034	61	51111	0.979	ppbv	95
17) Methylene Chloride	6.112	49	43855	1.051	ppbv	90
20) Carbon Disulfide	6.344	76	90805	1.091	ppbv	98
21) Trichlorotrifluoroethane	6.284	101	71455	1.025	ppbv	92
22) Trans-1,2-Dichloroethene	6.737	61	48594	1.009	ppbv	94
23) 1,1-Dichloroethane	6.875	63	61011	1.050	ppbv	98
24) Methyl tert-butyl ethe...	6.907	73	72435	0.905	ppbv	93
25) Methyl Ethyl Ketone	7.110	43	68077	1.007	ppbv#	94
26) Cis-1,2-Dichloroethene	7.402	61	44789	0.985	ppbv	93
27) Hexane	7.523	57	43149	0.961	ppbv#	87
28) Chloroform	7.588	83	69152	1.008	ppbv	96
29) Ethyl acetate	7.507	61	10751	1.025	ppbv#	89
30) Tetrahydrofuran	7.848	42	30569	0.960	ppbv#	90
31) 1,2-Dichloroethane	8.059	62	46889	0.962	ppbv	97
32) 1,1,1-Trichloroethane	8.221	97	72368	1.005	ppbv	97
33) Benzene	8.502	78	91851	0.992	ppbv	96
34) Carbon Tetrachloride	8.588	117	81332	1.054	ppbv	100
35) Cyclohexane	8.675	84	34289	0.968	ppbv#	86
37) 1,2-dichloropropane	8.978	63	39966	1.054	ppbv	97
38) Bromodichloromethane	9.090	83	75229	1.010	ppbv	99
39) Trichloroethene	9.107	130	46113	0.984	ppbv	96
40) 2,2,4-trimethylpentane	9.116	57	146106	0.996	ppbv	96
41) 1,4-Dioxane	9.107	88	19653	0.960	ppbv#	87
43) Heptane	9.246	43	59742	1.013	ppbv#	91
44) cis-1,3-Dichloropropene	9.589	75	55775	0.967	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.603	43	79984	0.990	ppbv	95
46) trans-1,3-Dichloropropene	9.877	75	43537	0.934	ppbv	94
47) 1,1,2-Trichloroethane	9.997	97	42068	1.016	ppbv	96
48) Toluene	10.159	91	108828	0.939	ppbv	100

Data Path : H:\AIR2025\CHEM24\02FEB\04\
 Data File : 0204_02.D
 Acq On : 4 Feb 2025 1:55 pm
 Operator : Keith
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01512R
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 14:24:07 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	86479	1.038	ppbv	97
50) 2-Hexanone(MBK)	10.272	43	62957	0.896	ppbv	91
51) 1,2-Dibromoethane(EDB)	10.553	107	69712	0.981	ppbv	97
52) Tetrachloroethene	10.799	166	62610	0.967	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.162	131	57352	1.101	ppbv	99
55) Chlorobenzene	11.177	112	94239	1.054	ppbv	95
56) Ethylbenzene	11.367	91	135555	0.963	ppbv	96
57) m, p-Xylene	11.458	91	213377	2.017	ppbv	98
58) Bromoform	11.541	173	81425	1.084	ppbv	99
59) Styrene	11.663	104	70142	0.925	ppbv	94
60) 1,1,2,2-Tetrachloroethane	11.723	83	88118	1.066	ppbv	92
61) o-Xylene	11.723	91	112878	0.994	ppbv	96
64) Isopropylbenzene	12.042	105	162494	1.035	ppbv	98
66) 4-Ethyltoluene	12.416	105	151293	1.002	ppbv	97
67) 1,3,5-Trimethylbenzene	12.455	105	124592	0.995	ppbv	95
68) 1,2,4-Trimethylbenzene	12.711	105	125098	0.963	ppbv	97
70) Benzyl chloride	12.805	91	50605	0.661	ppbv	95
71) 1,3-Dichlorobenzene	12.828	146	73414	0.935	ppbv	98
72) 1,4-Dichlorobenzene	12.867	146	64177	0.908	ppbv	97
73) sec-Butylbenzene	12.875	105	193342	0.999	ppbv	97
74) 4-Isopropyltoluene	12.960	119	171893	0.978	ppbv	96
75) 1,2-Dichlorobenzene	13.084	146	73234	0.953	ppbv	98
76) n-Butylbenzene	13.224	91	113377	0.852	ppbv	96
77) 1,2,4-Trichlorobenzene	14.282	180	16450	0.441	ppbv	99
78) Naphthalene	14.383	128	45993	0.467	ppbv#	97
79) Hexachlorobutadiene	14.632	225	79126	1.006	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.385	85	82669	0.886	ppbv#	83
82] Vinyl Chloride(sim)	4.496	62	32912	0.918	ppbv	97
83] Bromomethane(sim)	4.850	94	31579	0.828	ppbv	97
84] Trichlorofluoromethane...	5.587	101	95570	0.991	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.059	62	46889	0.924	ppbv	97
86] 1,1,1-Trichloroethane(...	8.224	97	76547	0.996	ppbv#	98
87] Benzene(sim)	8.502	78	91851	0.936	ppbv	96
88] Carbon Tetrachloride(sim)	8.591	117	82163	1.092	ppbv	99
89] 1,1-Dichloroethene(sim)	6.034	61	51111	0.909	ppbv	95
90] Trichlorotrifluoroetha...	6.287	101	74132	0.991	ppbv#	95
91] Trans-1,2-Dichloroethe...	6.737	61	48594	0.945	ppbv	94
92] 1,1-Dichloroethane(sim)	6.869	63	64147	1.005	ppbv	97
93] Cis-1,2-Dichloroethene...	7.402	61	44789	0.899	ppbv	93
94] Chloroform(sim)	7.591	83	72992	0.982	ppbv	98
96] 1,2-dichloropropane(sim)	8.972	63	41327	0.988	ppbv#	91
97] Bromodichloromethane(sim)	9.090	83	75229	0.991	ppbv	99
98] Trichloroethene(sim)	9.110	130	47403	0.932	ppbv	93
99] 1,4-Dioxane(sim)	9.107	88	19653	0.959	ppbv#	87
100] cis-1,3-Dichloropropen...	9.592	75	59565	0.988	ppbv	96
101] 1,1,2-Trichloroethane(...	9.997	97	42068	0.975	ppbv	96
102] Dibromochloromethane(sim)	10.408	129	85694	1.067	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	69712	0.964	ppbv	97
104] Tetrachloroethene(sim)	10.795	166	62690	0.820	ppbv	99
106] Bromoform(sim)	11.537	173	78863	1.125	ppbv	100
107] m, p-Xylene(sim)	11.458	91	213377	1.665	ppbv	98
108] 1,1,2,2-Tetrachloroeth...	11.719	83	90800	0.990	ppbv	98
111] Benzyl chloride(sim)	12.805	91	50605	1.111	ppbv	95
112] 1,3-Dichlorobenzene(sim)	12.823	146	82809	1.110	ppbv	97
113] 1,4-Dichlorobenzene(sim)	12.867	146	64177	1.094	ppbv	97

Data Path : H:\AIR2025\CHEM24\02FEB\04\
Data File : 0204_02.D
Acq On : 4 Feb 2025 1:55 pm
Operator : Keith
Client ID : CCCAL 1
Lab ID : 1ppb ccal; T01512R
ALS Vial : 2 Sample Multiplier: 1

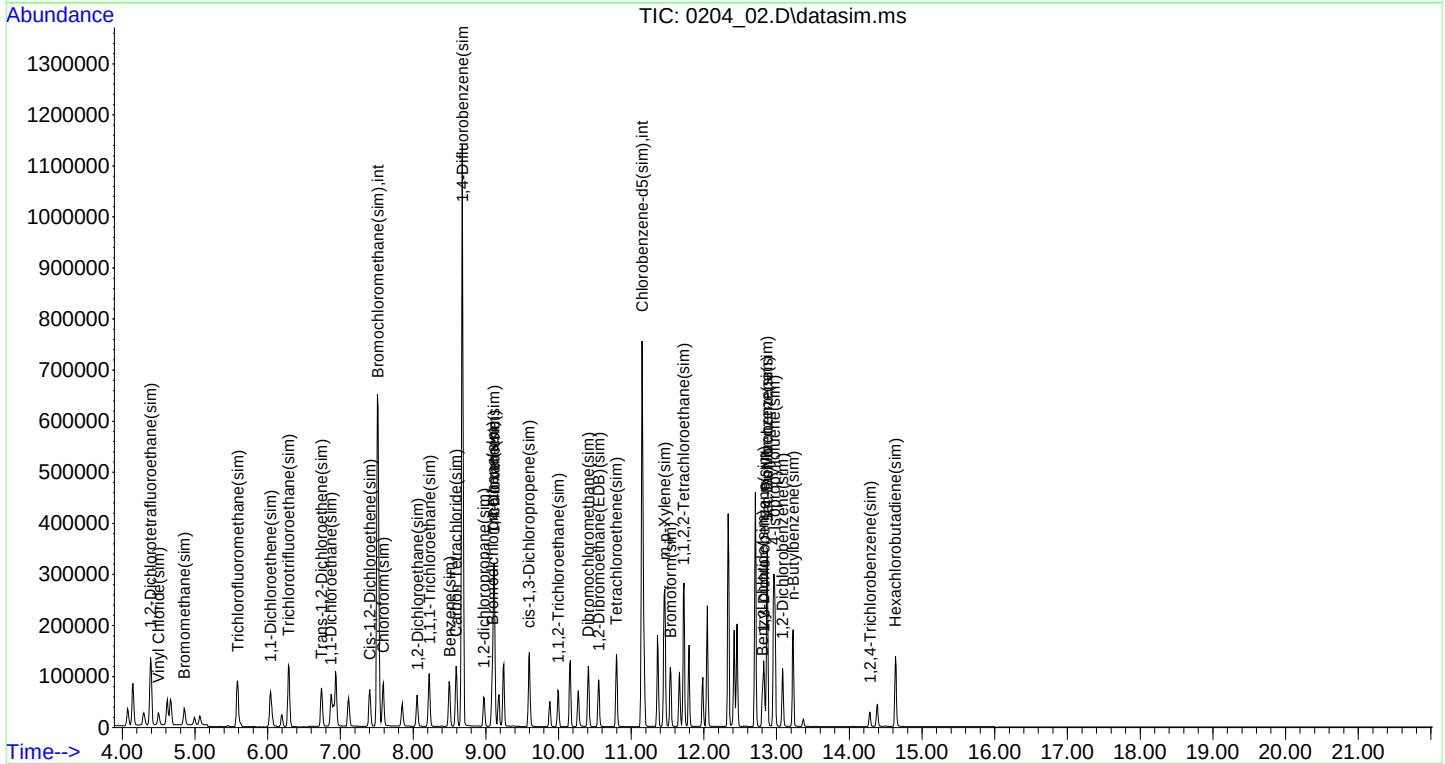
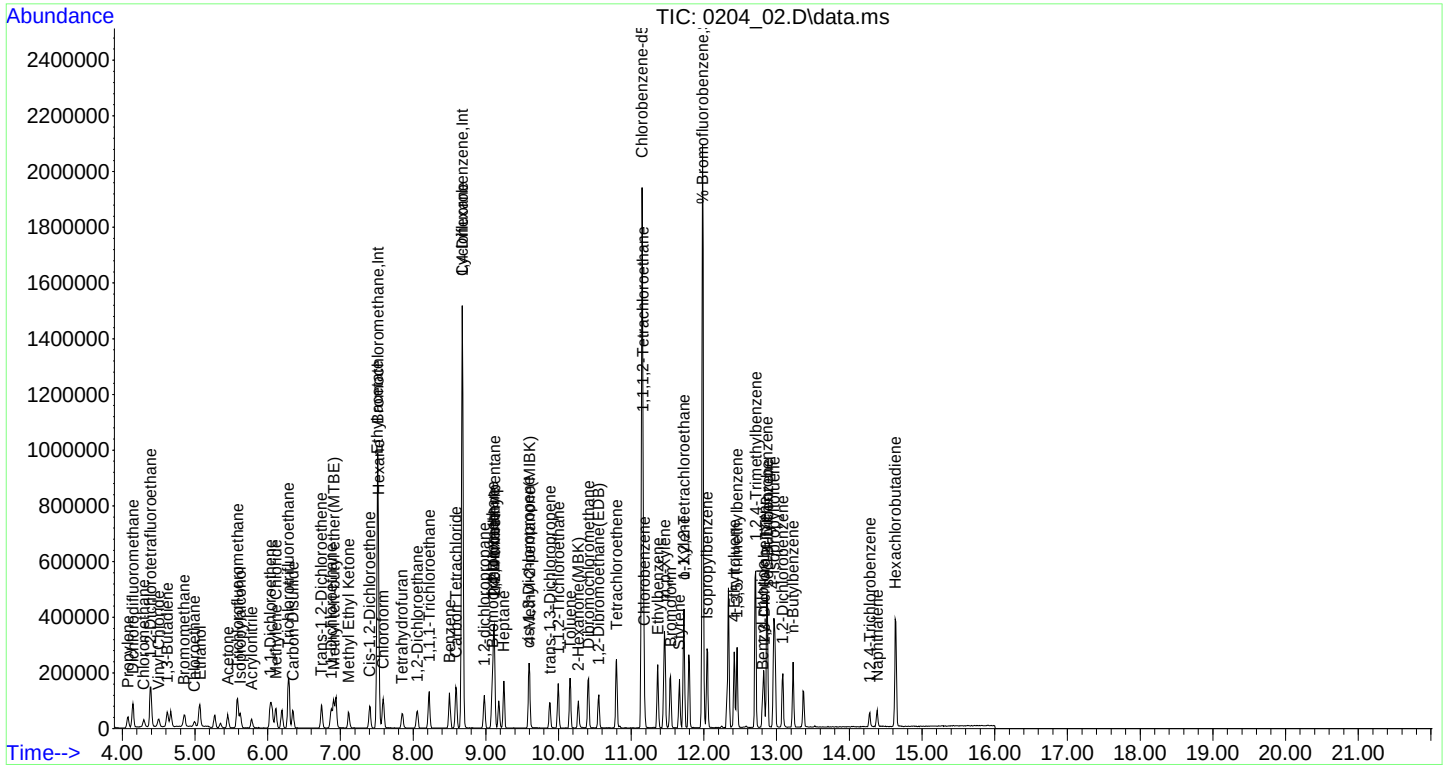
Quant Time: Feb 04 14:24:07 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 24 09:47:42 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	206002	0.907	ppbv	97
115]	4-Isopropyltoluene(sim)	12.960	119	171893	0.933	ppbv	95
116]	1,2-Dichlorobenzene(sim)	13.080	146	79687	1.014	ppbv	98
117]	n-Butylbenzene(sim)	13.224	91	113377	1.042	ppbv	96
118]	1,2,4-Trichlorobenzene...	14.285	180	18754	0.692	ppbv	100
119]	Hexachlorobutadiene(sim)	14.632	225	78943	0.903	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\02FEB\04\
Data File : 0204_02.D
Acq On : 4 Feb 2025 1:55 pm
Operator : Keith
Client ID : CCCAL 1
Lab ID : 1ppb ccal; T01512R
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 14:24:07 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 24 09:47:42 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	CS55369 LCS
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55369 LCS</u>	
Canister:	<u>LCS</u>	Lab File ID:	<u>0131_04.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u>	(cc)		Date Analyzed:
				<u>01/31/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	10.9		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	10.5		0.202	0.202	r
74-87-3	Chloromethane	10.3		0.485	0.485	r
76-14-2	1,2-Dichlorotetrafluoroethane	9.61		0.143	0.143	r
75-01-4	Vinyl Chloride	9.99		0.078	0.078	r
106-99-0	1,3-Butadiene	9.74		0.452	0.452	r
74-83-9	Bromomethane	8.82		0.258	0.258	r
75-00-3	Chloroethane	9.46		0.379	0.379	r
64-17-5	Ethanol	6.11		0.531	0.531	r
67-64-1	Acetone	10.4		0.421	0.421	r
75-69-4	Trichlorofluoromethane	10.1		0.178	0.178	r
67-63-0	Isopropylalcohol	10.6		0.407	0.407	r
107-13-1	Acrylonitrile	10.9		0.461	0.461	r
75-35-4	1,1-Dichloroethene	10.6		0.051	0.051	r
75-09-2	Methylene Chloride	10.2		0.863	0.863	r
75-15-0	Carbon Disulfide	10.7		0.321	0.321	r
76-13-1	Trichlorotrifluoroethane	10.4		0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene	10.3		0.252	0.252	r
75-34-3	1,1-Dichloroethane	10.7		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	10.1		0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	10.6		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	10.4		0.051	0.051	r
110-54-3	Hexane	11.0		0.284	0.284	r
67-66-3	Chloroform	10.4		0.205	0.205	r
141-78-6	Ethyl acetate	13.1		0.278	0.278	r
109-99-9	Tetrahydrofuran	11.2		0.339	0.339	r
107-06-2	1,2-Dichloroethane	10.1		0.247	0.247	r
71-55-6	1,1,1-Trichloroethane	10.4		0.183	0.183	r
71-43-2	Benzene	10.4		0.313	0.313	r
56-23-5	Carbon Tetrachloride	10.9		0.032	0.032	r
110-82-7	Cyclohexane	9.77		0.291	0.291	r
78-87-5	1,2-dichloropropane	10.6		0.217	0.217	r
75-27-4	Bromodichloromethane	10.3		0.149	0.149	r
79-01-6	Trichloroethene	10.1		0.037	0.037	r
540-84-1	2,2,4-trimethylpentane	10.5		0.215	0.215	r
123-91-1	1,4-Dioxane	8.09		0.278	0.278	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	CS55369 LCS
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55369 LCS</u>	
Canister:	<u>LCS</u>	Lab File ID:	<u>0131_04.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u>	(cc)		Date Analyzed:
				<u>01/31/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
142-82-5	Heptane	11.0		0.244	0.244	r
10061-01-5	cis-1,3-Dichloropropene	10.7		0.220	0.220	r
108-10-1	4-Methyl-2-pentanone(MIBK)	9.81		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	10.4		0.220	0.220	r
79-00-5	1,1,2-Trichloroethane	10.4		0.183	0.183	r
108-88-3	Toluene	10.4		0.266	0.266	r
124-48-1	Dibromochloromethane	11.0		0.117	0.117	r
591-78-6	2-Hexanone(MBK)	9.77		0.244	0.244	r
106-93-4	1,2-Dibromoethane(EDB)	10.2		0.130	0.130	r
127-18-4	Tetrachloroethene	9.94		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	10.1		0.146	0.146	r
108-90-7	Chlorobenzene	10.1		0.217	0.217	r
100-41-4	Ethylbenzene	10.2		0.230	0.230	r
179601-23-1	m,p-Xylene	20.9		0.230	0.230	r
75-25-2	Bromoform	10.9		0.097	0.097	r
100-42-5	Styrene	10.4		0.235	0.235	r
79-34-5	1,1,2,2-Tetrachloroethane	10.4		0.146	0.146	r
95-47-6	o-Xylene	10.1		0.230	0.230	r
98-82-8	Isopropylbenzene	9.98		0.204	0.204	r
622-96-8	4-Ethyltoluene	10.6		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	9.95		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	10.1		0.204	0.204	r
100-44-7	Benzyl chloride	10.7		0.193	0.193	r
541-73-1	1,3-Dichlorobenzene	11.1		0.166	0.166	r
106-46-7	1,4-Dichlorobenzene	11.3		0.166	0.166	r
135-98-8	sec-Butylbenzene	9.81		0.182	0.182	r
99-87-6	4-Isopropyltoluene	9.69		0.182	0.182	r
95-50-1	1,2-Dichlorobenzene	11.1		0.166	0.166	r
104-51-8	n-Butylbenzene	10.7		0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene	8.00		0.135	0.135	r
91-20-3	Naphthalene	7.37		0.200	0.200	r
87-68-3	Hexachlorobutadiene	9.34		0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\01JAN\31\
 Data File : 0131_04.D
 Acq On : 31 Jan 2025 2:44 pm
 Operator : Keith
 Client ID : CS55369 LCS
 Lab ID : CS55369 LCS
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 08:39:27 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 08:37:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	274188	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	969923	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	502590	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	271983	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	969923	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	502590	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	627005	10.220	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.20%
Target Compounds						
					Qvalue	
2) Propylene	4.070	41	270344	10.909	ppbv	96
3) Dichlorodifluoromethane	4.145	85	869869	10.449	ppbv	97
4) Chloromethane	4.294	50	312511	10.302	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.385	85	811413	9.612	ppbv#	82
6) Vinyl Chloride	4.493	62	310528	9.986	ppbv	100
7) 1,3-Butadiene	4.618	54	240455	9.740	ppbv	93
8) Bromomethane	4.850	94	289890	8.821	ppbv	100
9) Chloroethane	4.991	64	129913	9.460	ppbv	99
11) Ethanol	5.065	45	91863	6.106	ppbv	98
12) Acetone	5.437	43	529979	10.380	ppbv	94
13) Trichlorofluoromethane	5.584	101	901955	10.129	ppbv	98
14) Isopropylalcohol	5.609	45	624530	10.556	ppbv	96
15) Acrylonitrile	5.778	53	231254	10.894	ppbv	97
16) 1,1-Dichloroethene	6.034	61	531522	10.550	ppbv	97
17) Methylene Chloride	6.112	49	409489	10.176	ppbv	91
20) Carbon Disulfide	6.344	76	861018	10.726	ppbv	99
21) Trichlorotrifluoroethane	6.284	101	701311	10.428	ppbv	92
22) Trans-1,2-Dichloroethene	6.737	61	478840	10.308	ppbv	94
23) 1,1-Dichloroethane	6.874	63	597997	10.669	ppbv	98
24) Methyl tert-butyl ethe...	6.891	73	779562	10.097	ppbv	90
25) Methyl Ethyl Ketone	7.102	43	689606	10.577	ppbv	95
26) Cis-1,2-Dichloroethene	7.402	61	455004	10.370	ppbv	93
27) Hexane	7.523	57	475315	10.973	ppbv#	92
28) Chloroform	7.588	83	690829	10.436	ppbv	98
29) Ethyl acetate	7.499	61	132190	13.068	ppbv#	87
30) Tetrahydrofuran	7.840	42	343354	11.175	ppbv#	89
31) 1,2-Dichloroethane	8.058	62	472947	10.059	ppbv	96
32) 1,1,1-Trichloroethane	8.221	97	724719	10.431	ppbv	97
33) Benzene	8.502	78	932425	10.439	ppbv	96
34) Carbon Tetrachloride	8.588	117	812800	10.917	ppbv	100
35) Cyclohexane	8.666	84	333920	9.768	ppbv#	81
37) 1,2-dichloropropane	8.978	63	399450	10.592	ppbv	96
38) Bromodichloromethane	9.090	83	760511	10.265	ppbv	98
39) Trichloroethene	9.107	130	472137	10.129	ppbv	97
40) 2,2,4-trimethylpentane	9.116	57	1534283	10.517	ppbv	98
41) 1,4-Dioxane	9.090	88	164711	8.086	ppbv#	88
43) Heptane	9.246	43	642649	10.952	ppbv#	90
44) cis-1,3-Dichloropropene	9.596	75	611610	10.654	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.589	43	788841	9.810	ppbv	96
46) trans-1,3-Dichloropropene	9.884	75	483134	10.415	ppbv	95
47) 1,1,2-Trichloroethane	9.997	97	428517	10.400	ppbv	96
48) Toluene	10.159	91	1197443	10.384	ppbv	99

Data Path : H:\AIR2025\CHEM24\01JAN\31\
 Data File : 0131_04.D
 Acq On : 31 Jan 2025 2:44 pm
 Operator : Keith
 Client ID : CS55369 LCS
 Lab ID : CS55369 LCS
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 08:39:27 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 08:37:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	908632	10.966	ppbv	98
50) 2-Hexanone(MBK)	10.264	43	682817	9.773	ppbv	93
51) 1,2-Dibromoethane(EDB)	10.553	107	720627	10.193	ppbv	98
52) Tetrachloroethene	10.799	166	640118	9.937	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.162	131	561596	10.090	ppbv	100
55) Chlorobenzene	11.177	112	962985	10.082	ppbv	99
56) Ethylbenzene	11.367	91	1540015	10.240	ppbv	97
57) m, p-Xylene	11.458	91	2358881	20.877	ppbv	97
58) Bromoform	11.541	173	876460	10.925	ppbv	100
59) Styrene	11.663	104	845935	10.444	ppbv	95
60) 1,1,2,2-Tetrachloroethane	11.723	83	921674	10.433	ppbv	93
61) o-Xylene	11.723	91	1220319	10.063	ppbv	96
64) Isopropylbenzene	12.049	105	1674100	9.982	ppbv	98
66) 4-Ethyltoluene	12.416	105	1707014	10.582	ppbv	98
67) 1,3,5-Trimethylbenzene	12.455	105	1330187	9.946	ppbv	91
68) 1,2,4-Trimethylbenzene	12.711	105	1403133	10.107	ppbv	97
70) Benzyl chloride	12.805	91	910868	10.719	ppbv	97
71) 1,3-Dichlorobenzene	12.828	146	927721	11.063	ppbv	98
72) 1,4-Dichlorobenzene	12.867	146	854411	11.311	ppbv	98
73) sec-Butylbenzene	12.874	105	2028251	9.808	ppbv	97
74) 4-Isopropyltoluene	12.960	119	1818859	9.689	ppbv	97
75) 1,2-Dichlorobenzene	13.084	146	907813	11.055	ppbv	96
76) n-Butylbenzene	13.224	91	1524268	10.729	ppbv	98
77) 1,2,4-Trichlorobenzene	14.282	180	349792	7.998	ppbv	97
78) Naphthalene	14.383	128	810756	7.374	ppbv#	98
79) Hexachlorobutadiene	14.639	225	784530	9.337	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.385	85	809988	9.022	ppbv#	82
82] Vinyl Chloride(sim)	4.496	62	323541	9.380	ppbv	98
83] Bromomethane(sim)	4.850	94	289890	7.901	ppbv	100
84] Trichlorofluoromethane...	5.581	101	925630	9.968	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.058	62	472947	9.685	ppbv	96
86] 1,1,1-Trichloroethane(...	8.224	97	766015	10.351	ppbv#	98
87] Benzene(sim)	8.502	78	932416	9.872	ppbv	96
88] Carbon Tetrachloride(sim)	8.591	117	818393	11.303	ppbv	99
89] 1,1-Dichloroethene(sim)	6.034	61	531522	9.826	ppbv	97
90] Trichlorotrifluoroetha...	6.287	101	719273	9.993	ppbv#	95
91] Trans-1,2-Dichloroethe...	6.737	61	478840	9.670	ppbv	94
92] 1,1-Dichloroethane(sim)	6.869	63	636258	10.351	ppbv	97
93] Cis-1,2-Dichloroethene...	7.402	61	455004	9.485	ppbv	93
94] Chloroform(sim)	7.591	83	719349	10.051	ppbv	97
96] 1,2-dichloropropane(sim)	8.972	63	423493	10.179	ppbv	92
97] Bromodichloromethane(sim)	9.090	83	760511	10.071	ppbv	99
98] Trichloroethene(sim)	9.110	130	477231	9.434	ppbv	93
99] 1,4-Dioxane(sim)	9.090	88	164711	8.081	ppbv#	88
100] cis-1,3-Dichloropropen...	9.592	75	650379	10.842	ppbv	97
101] 1,1,2-Trichloroethane(...	9.997	97	428517	9.986	ppbv	96
102] Dibromochloromethane(sim)	10.415	129	891769	11.158	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	720627	10.016	ppbv	98
104] Tetrachloroethene(sim)	10.802	166	634023	8.332	ppbv	99
106] Bromoform(sim)	11.544	173	834265	11.142	ppbv	100
107] m, p-Xylene(sim)	11.458	91	2363685	17.270	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.719	83	954778	9.746	ppbv	97
111] Benzyl chloride(sim)	12.805	91	910868	7.542	ppbv	97
112] 1,3-Dichlorobenzene(sim)	12.823	146	1034552	12.982	ppbv	97
113] 1,4-Dichlorobenzene(sim)	12.867	146	853489	13.615	ppbv	98

Data Path : H:\AIR2025\CHEM24\01JAN\31\
Data File : 0131_04.D
Acq On : 31 Jan 2025 2:44 pm
Operator : Keith
Client ID : CS55369 LCS
Lab ID : CS55369 LCS
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 08:39:27 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 08:37:36 2025
Response via : Initial Calibration

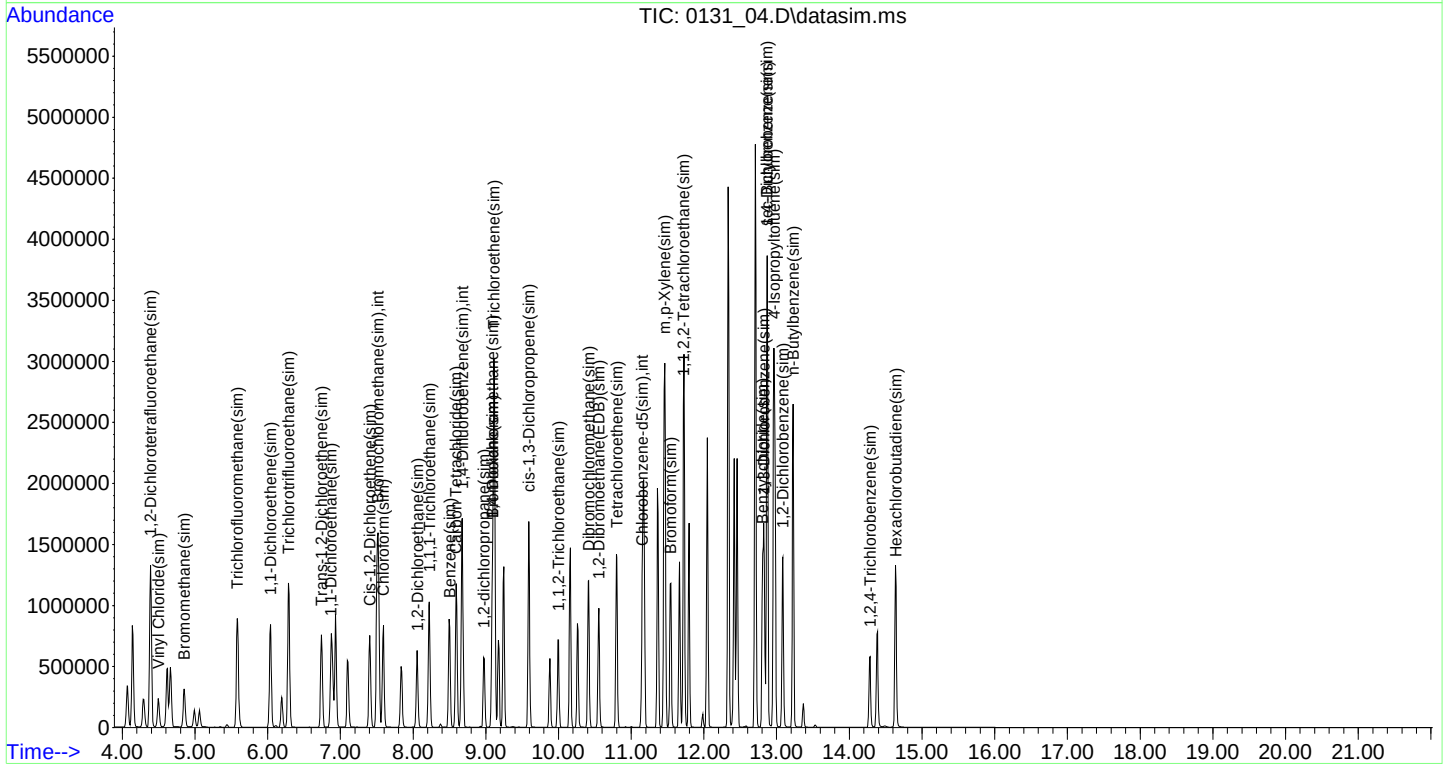
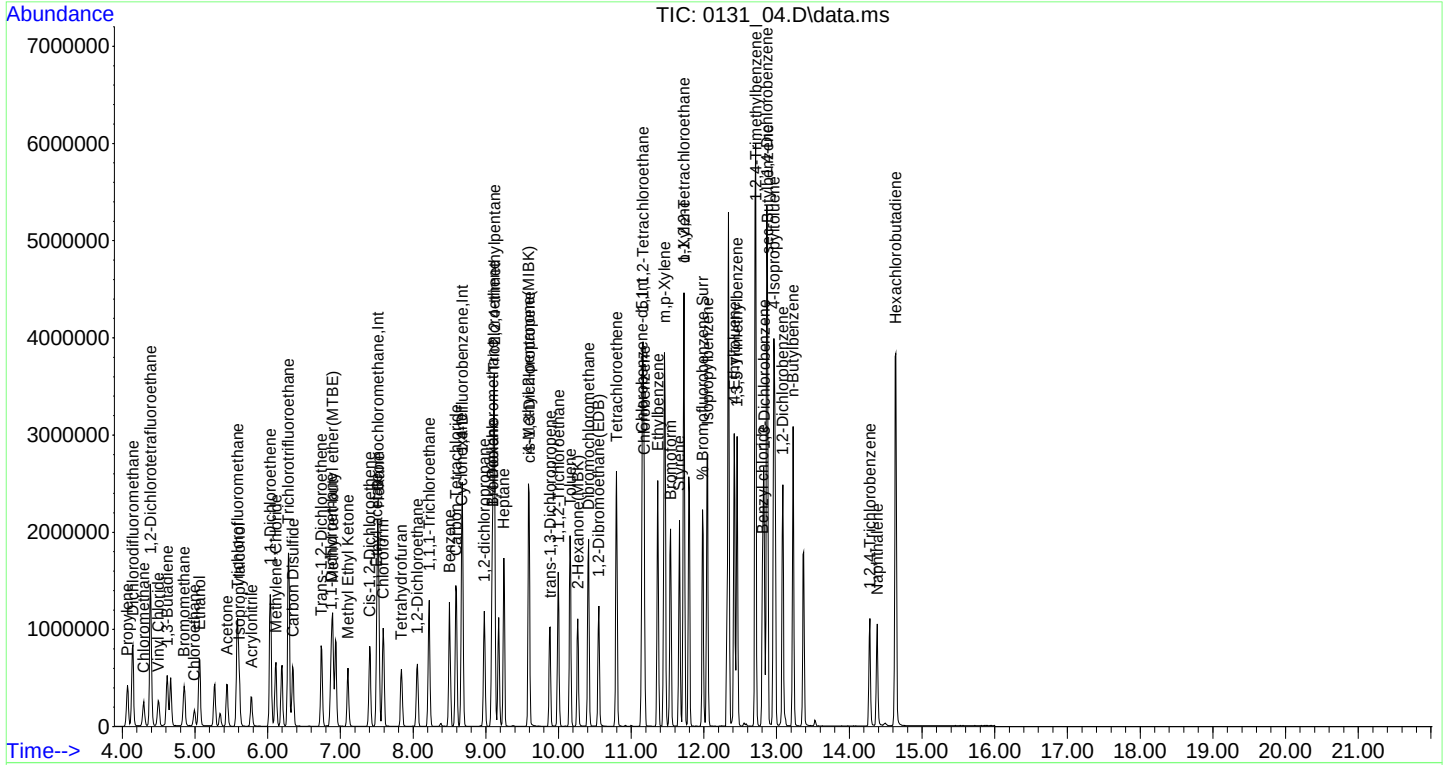
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	2147696	8.853	ppbv	98
115]	4-Isopropyltoluene(sim)	12.960	119	1820930	9.253	ppbv	97
116]	1,2-Dichlorobenzene(sim)	13.087	146	992209	11.822	ppbv	97
117]	n-Butylbenzene(sim)	13.224	91	1524268	13.117	ppbv	98
118]	1,2,4-Trichlorobenzene...	14.285	180	377422	3.218	ppbv	100
119]	Hexachlorobutadiene(sim)	14.639	225	784224	8.396	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM24\01JAN\31\
Data File : 0131_04.D
Acq On : 31 Jan 2025 2:44 pm
Operator : Keith
Client ID : CS55369 LCS
Lab ID : CS55369 LCS
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 08:39:27 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 08:37:36 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	CS55369 BLANK
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55369 BL</u>	
Canister:	<u>BL</u>	Lab File ID:	<u>0131_05.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u>	(cc)		Date Analyzed:
				<u>01/31/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.580	U	0.580	0.580	r
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
74-87-3	Chloromethane	0.480	U	0.480	0.480	r
106-99-0	1,3-Butadiene	0.450	U	0.450	0.450	r
75-00-3	Chloroethane	0.380	U	0.380	0.380	r
64-17-5	Ethanol	0.530	U	0.530	0.530	r
67-64-1	Acetone	0.420	U	0.420	0.420	r
67-63-0	Isopropylalcohol	0.410	U	0.410	0.410	r
107-13-1	Acrylonitrile	0.460	U	0.460	0.460	r
75-09-2	Methylene Chloride	0.860	U	0.860	0.860	r
75-15-0	Carbon Disulfide	0.320	U	0.320	0.320	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.280	U	0.280	0.280	r
78-93-3	Methyl Ethyl Ketone	0.340	U	0.340	0.340	r
110-54-3	Hexane	0.280	U	0.280	0.280	r
141-78-6	Ethyl acetate	0.280	U	0.280	0.280	r
109-99-9	Tetrahydrofuran	0.340	U	0.340	0.340	r
110-82-7	Cyclohexane	0.290	U	0.290	0.290	r
540-84-1	2,2,4-trimethylpentane	0.210	U	0.210	0.210	r
142-82-5	Heptane	0.240	U	0.240	0.240	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.240	U	0.240	0.240	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.270	U	0.270	0.270	r
591-78-6	2-Hexanone(MBK)	0.240	U	0.240	0.240	r
630-20-6	1,1,1,2-Tetrachloroethane	0.150	U	0.150	0.150	r
108-90-7	Chlorobenzene	0.220	U	0.220	0.220	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.230	U	0.230	0.230	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.200	U	0.200	0.200	r
622-96-8	4-Ethyltoluene	0.200	U	0.200	0.200	r
108-67-8	1,3,5-Trimethylbenzene	0.200	U	0.200	0.200	r
95-63-6	1,2,4-Trimethylbenzene	0.200	U	0.200	0.200	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.140	U	0.140	0.140	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.260	U	0.260	0.260	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CS55369 BLANK

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CS55369 BL
Canister:	BL	Lab File ID:	0131_05.D
Instrument:	CHEM24	Column:	RTX-1
		Date Received:	01/31/25
Purge Volume	200	(cc)	
		Date Analyzed:	01/31/25
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.180	U	0.180	0.180	r
107-06-2	1,2-Dichloroethane(sim)	0.250	U	0.250	0.250	r
71-55-6	1,1,1-Trichloroethane(sim)	0.180	U	0.180	0.180	r
71-43-2	Benzene(sim)	0.310	U	0.310	0.310	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
76-13-1	Trichlorotrifluoroethane(sim)	0.130	U	0.130	0.130	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.250	U	0.250	0.250	r
75-34-3	1,1-Dichloroethane(sim)	0.250	U	0.250	0.250	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
67-66-3	Chloroform(sim)	0.200	U	0.200	0.200	r
78-87-5	1,2-dichloropropane(sim)	0.220	U	0.220	0.220	r
75-27-4	Bromodichloromethane(sim)	0.150	U	0.150	0.150	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.280	U	0.280	0.280	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.180	U	0.180	0.180	r
124-48-1	Dibromochloromethane(sim)	0.120	U	0.120	0.120	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.150	U	0.150	0.150	r
100-44-7	Benzyl chloride(sim)	0.190	U	0.190	0.190	r
541-73-1	1,3-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
106-46-7	1,4-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
135-98-8	sec-Butylbenzene(sim)	0.180	U	0.180	0.180	r
99-87-6	4-Isopropyltoluene(sim)	0.180	U	0.180	0.180	r
95-50-1	1,2-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
104-51-8	n-Butylbenzene(sim)	0.180	U	0.180	0.180	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.130	U	0.130	0.130	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\01JAN\31\
 Data File : 0131_05.D
 Acq On : 31 Jan 2025 3:21 pm
 Operator : Keith
 Client ID : CS55369 BLANK
 Lab ID : CS55369 BLANK
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 01 11:02:24 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

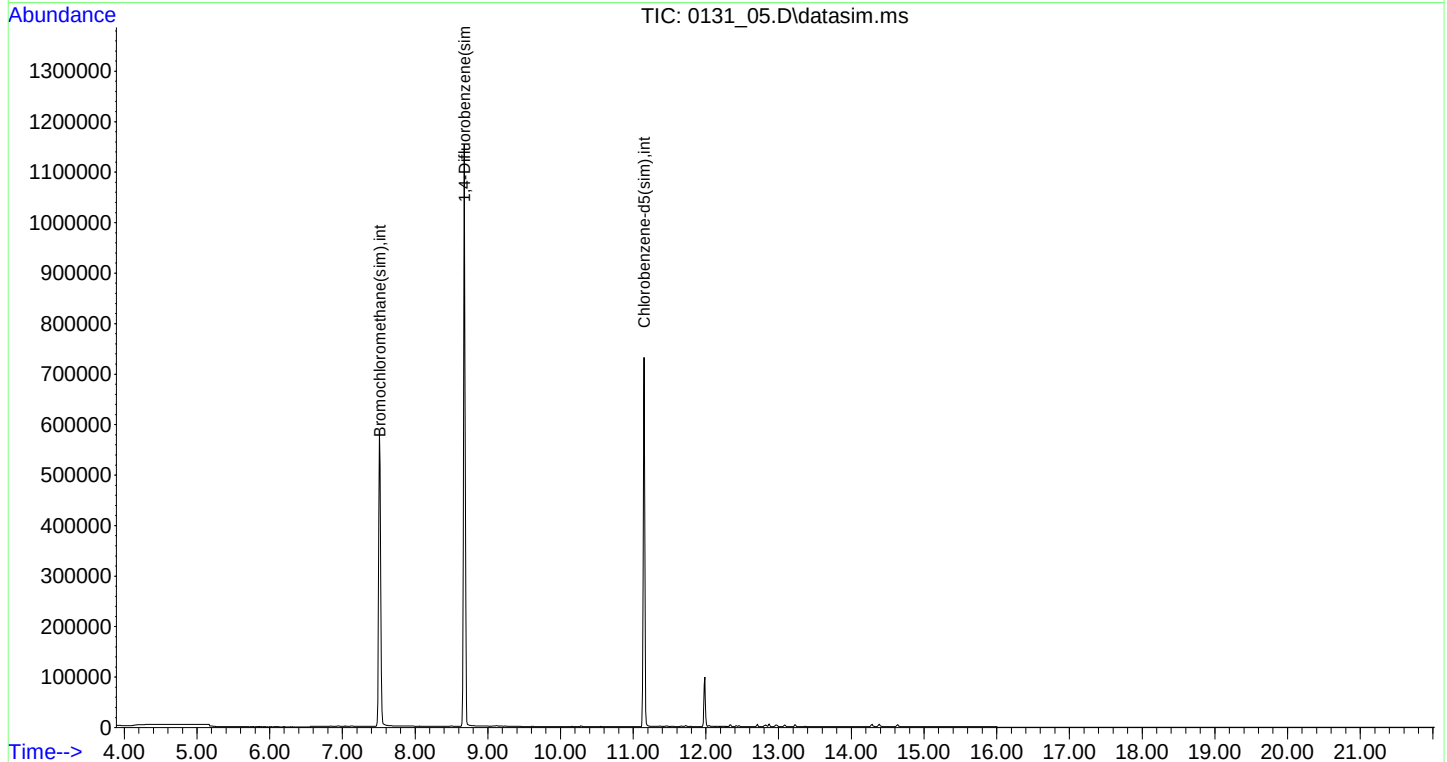
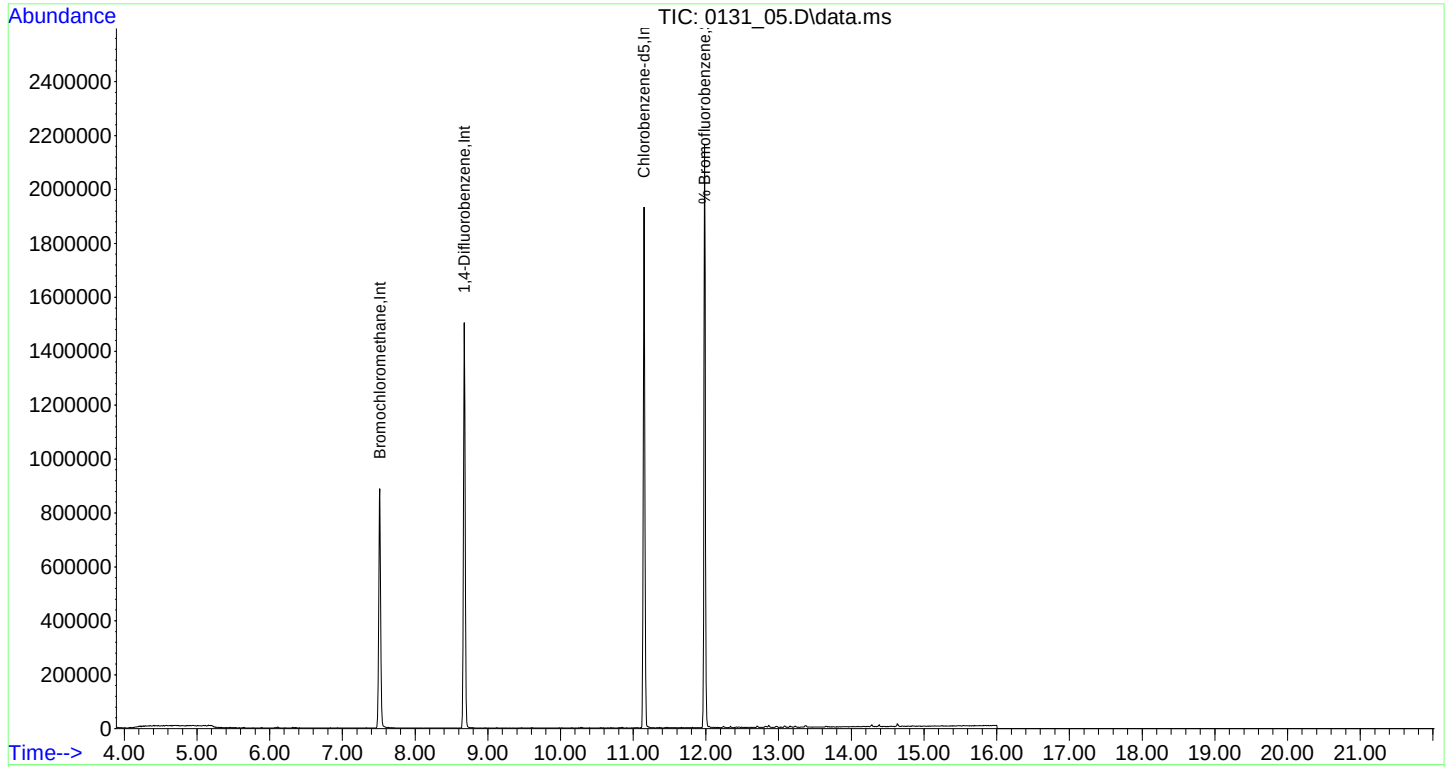
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.515	130	304775	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	1040569	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	498611	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	299686	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	1040569	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	498611	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	585524	9.620	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.20%
Target Compounds						
						Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\31\
Data File : 0131_05.D
Acq On : 31 Jan 2025 3:21 pm
Operator : Keith
Client ID : CS55369 BLANK
Lab ID : CS55369 BLANK
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 01 11:02:24 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 24 09:47:42 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	IA-E DUP
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55369 DUP</u>	
Canister:	<u>23318</u>	Lab File ID:	<u>0131_11.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u>	(cc)		Date Analyzed:
				<u>01/31/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.473		0.202	0.202	r
74-87-3	Chloromethane	0.665		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	43.9	S	0.531	0.531	r
67-64-1	Acetone	13.5	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.219		0.178	0.178	r
67-63-0	Isopropylalcohol	6.48	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.923		0.339	0.339	r
110-54-3	Hexane	0.592	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.373		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.656		0.339	0.339	r
71-43-2	Benzene	0.333		0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.494		0.215	0.215	r
142-82-5	Heptane	0.317		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	1.55		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.588		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.319		0.200	0.200	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	IA-E DUP
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55369 DUP</u>	
Canister:	<u>23318</u>	Lab File ID:	<u>0131_11.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u>	(cc)		Date Analyzed:
				<u>01/31/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.085		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.038		0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.049		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.200		0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\01JAN\31\
 Data File : 0131_11.D
 Acq On : 31 Jan 2025 8:12 pm
 Operator : Keith
 Client ID : IA-E DUP
 Lab ID : CS55369 DUP
 ALS Vial : 12 Sample Multiplier: 1

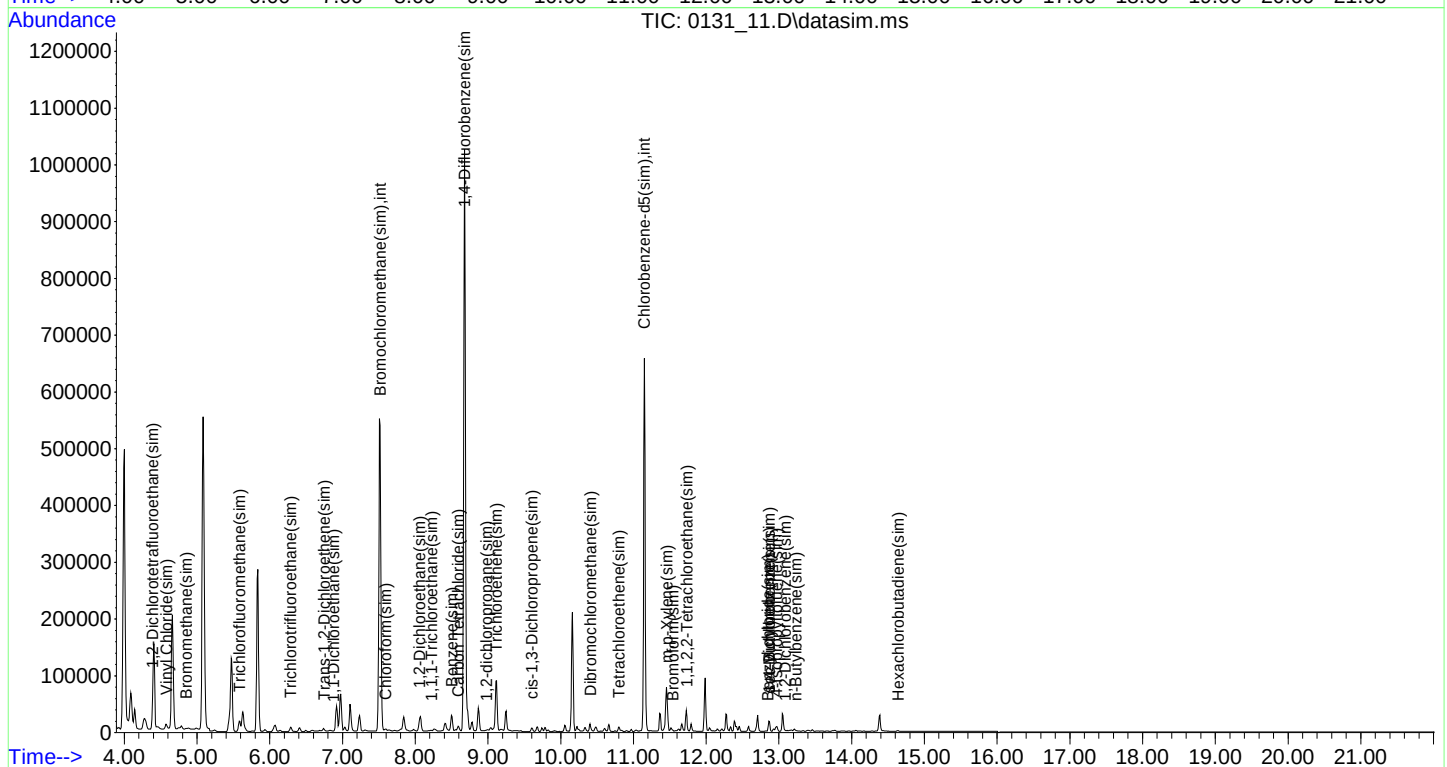
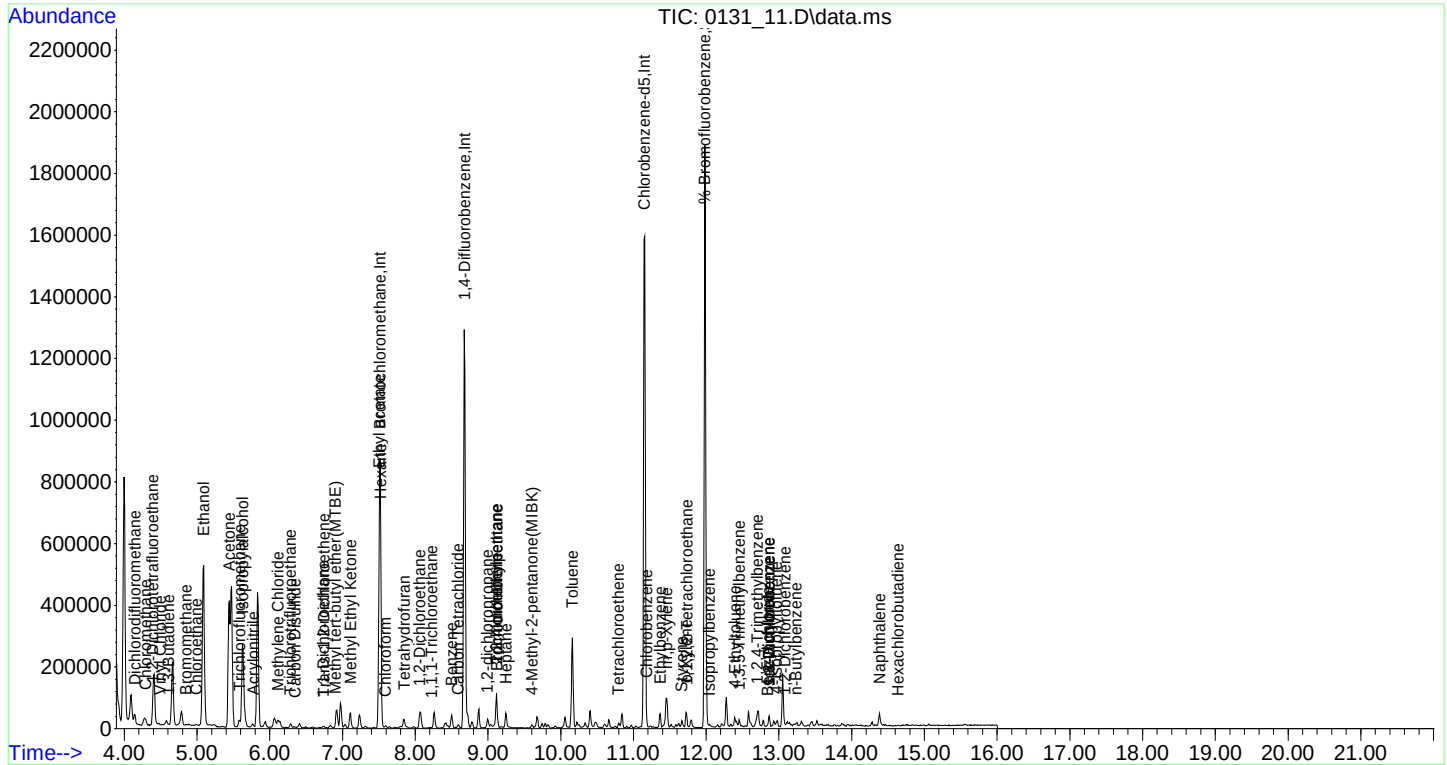
Quant Time: Feb 01 11:06:36 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 24 09:47:42 2025
 Response via : Initial Calibration

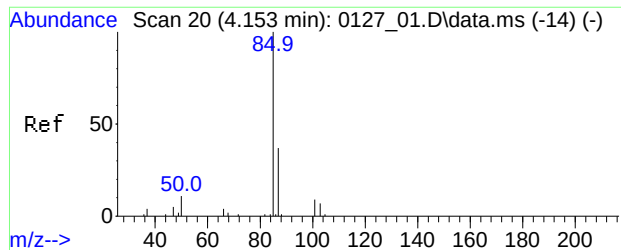
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	264245	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	904031	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	437078	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	261592	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	904031	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	437078	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	540020	10.121	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	101.20%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	4.145	85	37926	0.473	ppbv	100
4) Chloromethane	4.294	50	19427	0.664	ppbv	100
11) Ethanol	5.090	45	635898	43.857	ppbv	96
12) Acetone	5.443	43	662078	13.455	ppbv#	82
13) Trichlorofluoromethane	5.584	101	18795	0.219	ppbv	97
14) Isopropylalcohol	5.627	45	369355	6.478	ppbv#	91
17) Methylene Chloride	6.112	49	13573	0.350	ppbv	93
25) Methyl Ethyl Ketone	7.110	43	57964	0.923	ppbv	95
27) Hexane	7.523	57	24730	0.592	ppbv#	86
29) Ethyl acetate	7.507	61	3635	0.373	ppbv#	85
30) Tetrahydrofuran	7.848	42	19419	0.656	ppbv	98
33) Benzene	8.502	78	28689	0.333	ppbv	98
34) Carbon Tetrachloride	8.588	117	6130	0.085	ppbv	95
39) Trichloroethene	9.116	130	1946	0.045	ppbv#	87
43) Heptane	9.246	43	17349	0.317	ppbv	91
48) Toluene	10.159	91	166410	1.548	ppbv	98
52) Tetrachloroethene	10.792	166	3207	0.053	ppbv	93
57) m,p-Xylene	11.458	91	57796	0.588	ppbv	97
72) 1,4-Dichlorobenzene	12.867	146	10898	0.166	ppbv	93
78) Naphthalene	14.383	128	29160	0.319	ppbv#	96
84] Trichlorofluoromethane...	5.581	101	19793	0.222	ppbv#	98
87] Benzene(sim)	8.502	78	28689	0.316	ppbv	98
88] Carbon Tetrachloride(sim)	8.591	117	5905	0.085	ppbv	99
98] Trichloroethene(sim)	9.110	130	1800	0.038	ppbv#	89
104] Tetrachloroethene(sim)	10.802	166	3444	0.049	ppbv	97
107] m,p-Xylene(sim)	11.458	91	57796	0.486	ppbv	97
113] 1,4-Dichlorobenzene(sim)	12.867	146	10898	0.200	ppbv	94

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\31\
Data File : 0131_11.D
Acq On : 31 Jan 2025 8:12 pm
Operator : Keith
Client ID : IA-E DUP
Lab ID : CS55369 DUP
ALS Vial : 12 Sample Multiplier: 1

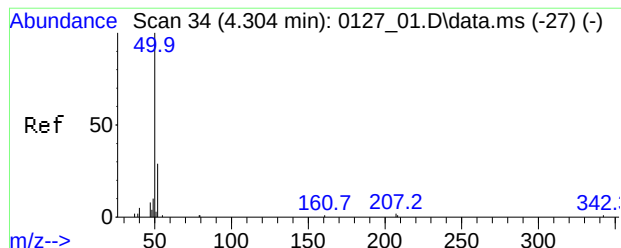
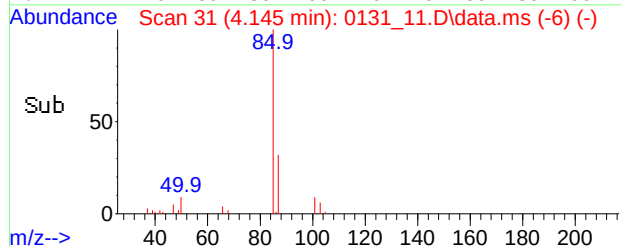
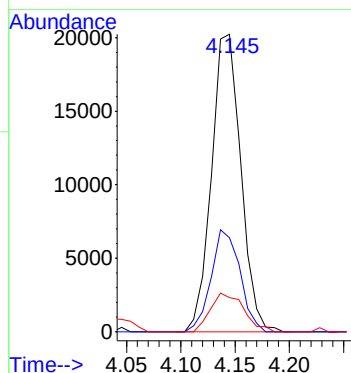
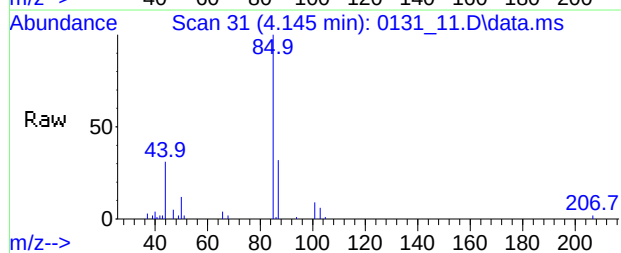
Quant Time: Feb 01 11:06:36 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 24 09:47:42 2025
Response via : Initial Calibration





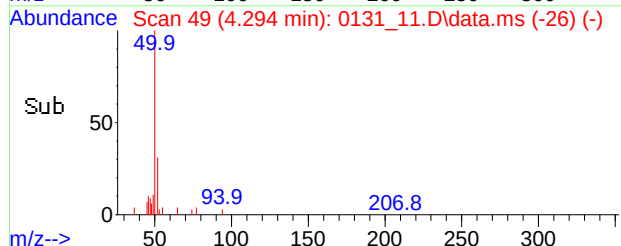
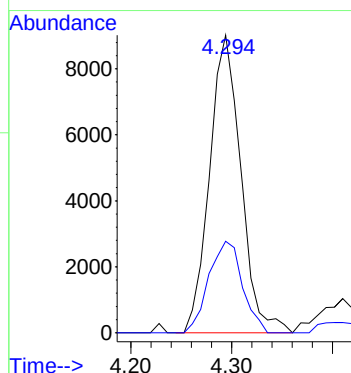
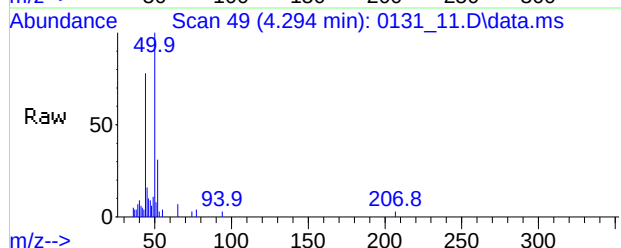
#3
Dichlorodifluoromethane
Conc: 8\$ 0.473 ppbv
RT: 4.145 min Scan# 31
Delta R.T. 0.008 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

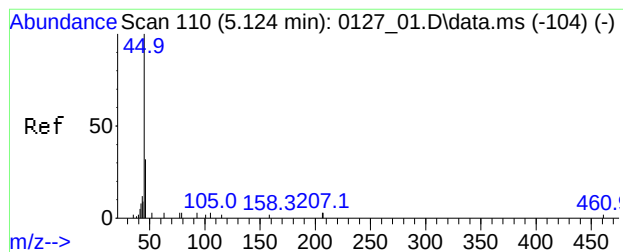
Tgt Ion: 85 Resp: 37926
Ion Ratio Lower Upper
85 100
87 33.8 26.9 40.3
50 14.8 12.0 18.0



#4
Chloromethane
Conc: 8\$ 0.664 ppbv
RT: 4.294 min Scan# 49
Delta R.T. -0.008 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

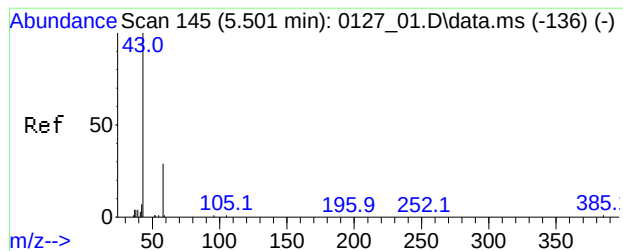
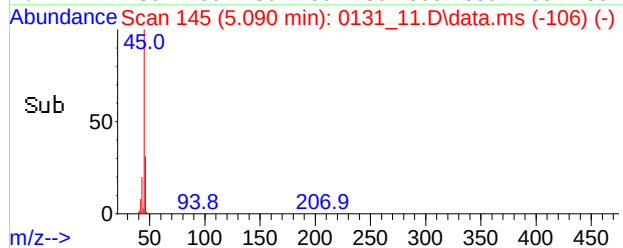
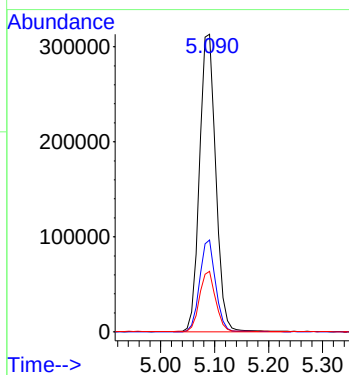
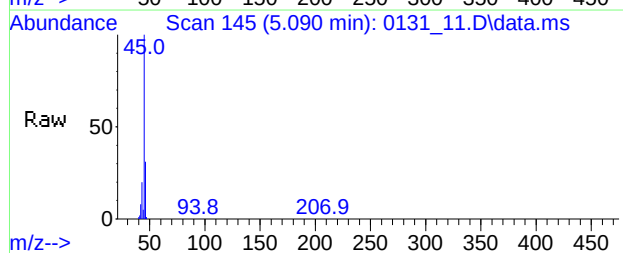
Tgt Ion: 50 Resp: 19427
Ion Ratio Lower Upper
50 100
52 33.0 12.8 52.8





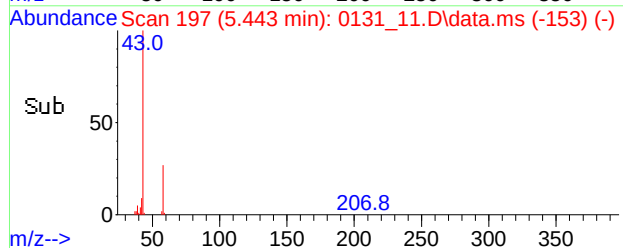
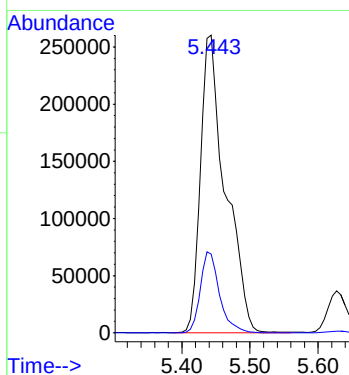
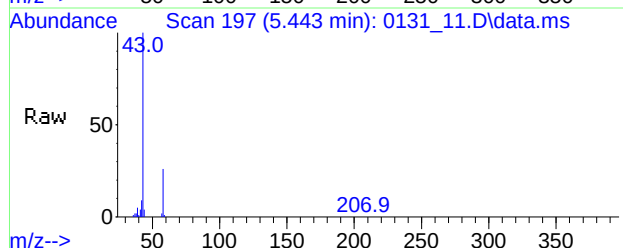
#11
Ethanol
Conc: 8% 43.857 ppbv
RT: 5.090 min Scan# 145
Delta R.T. 0.025 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

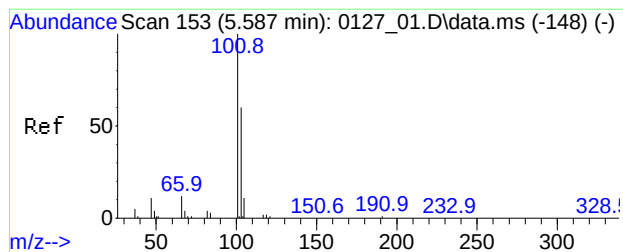
Tgt Ion: 45 Resp: 635898
Ion Ratio Lower Upper
45 100
46 33.3 25.0 37.6
43 22.5 20.0 30.0



#12
Acetone
Conc: 8% 13.455 ppbv
RT: 5.443 min Scan# 197
Delta R.T. -0.012 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

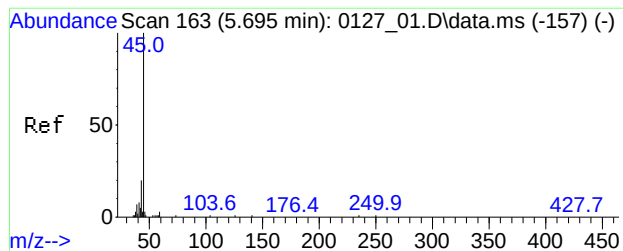
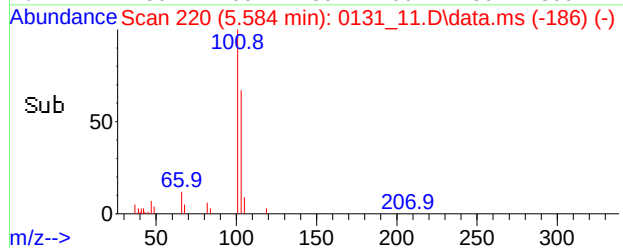
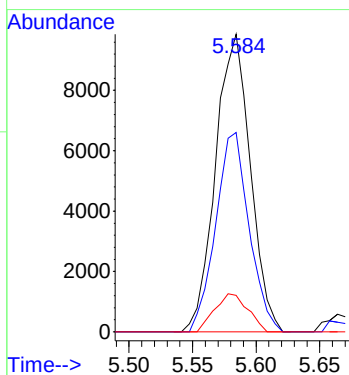
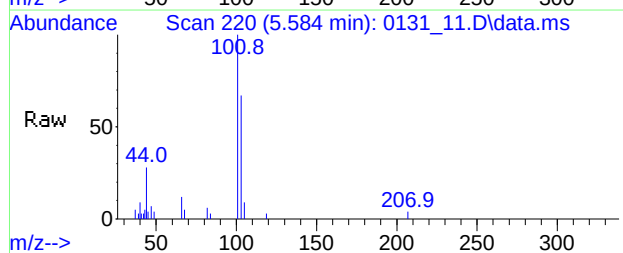
Tgt Ion: 43 Resp: 662078
Ion Ratio Lower Upper
43 100
58 20.9 24.6 37.0#





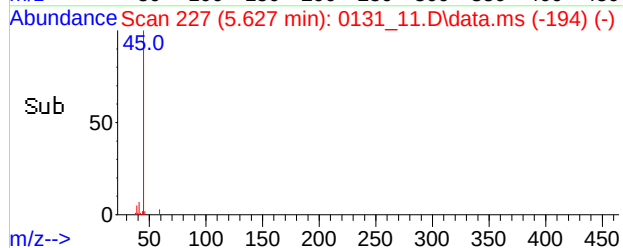
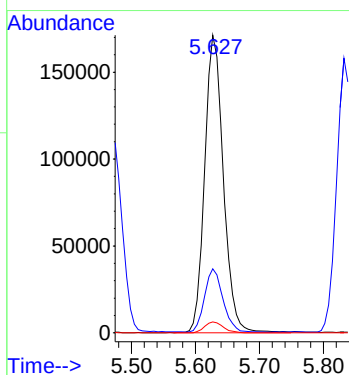
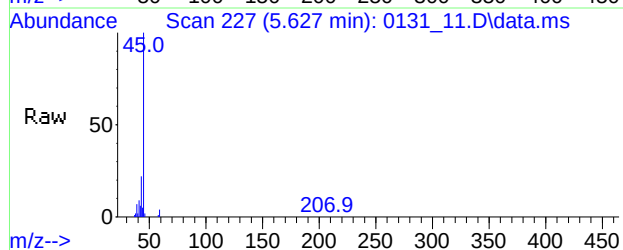
#13
Trichlorofluoromethane
Conc: 8\$ 0.219 ppbv
RT: 5.584 min Scan# 220
Delta R.T. 0.006 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

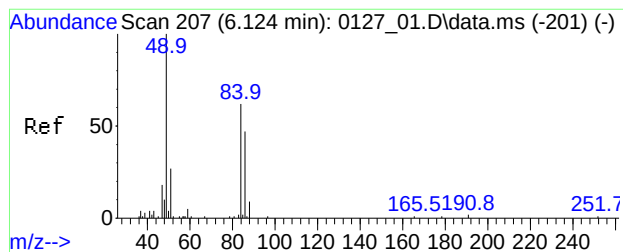
Tgt Ion:	101	Resp:	18795
Ion	Ratio	Lower	Upper
101	100		
103	64.3	53.4	80.2
66	12.1	9.3	13.9



#14
Isopropylalcohol
Conc: 8\$ 6.478 ppbv
RT: 5.627 min Scan# 227
Delta R.T. 0.000 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

Tgt Ion:	45	Resp:	369355
Ion	Ratio	Lower	Upper
45	100		
43	21.5	13.3	19.9#
59	3.4	2.6	4.0

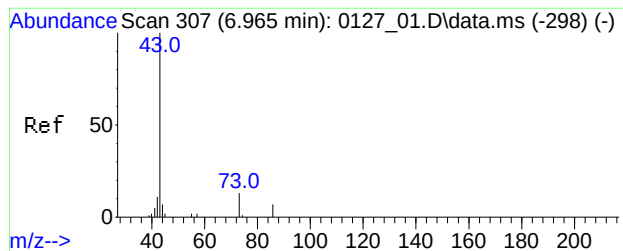
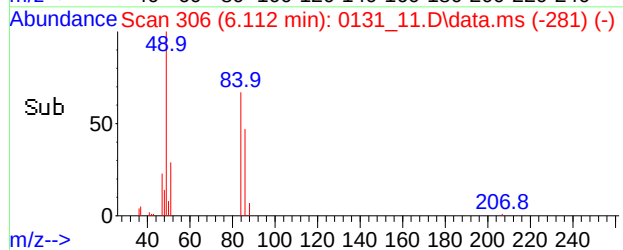
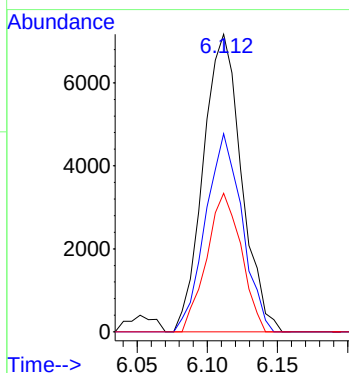
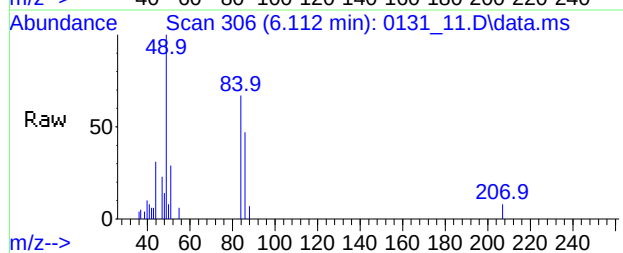




#17
Methylene Chloride
Conc: 8\$ 0.350 ppbv
RT: 6.112 min Scan# 306
Delta R.T. -0.000 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

Tgt Ion: 49 Resp: 13573

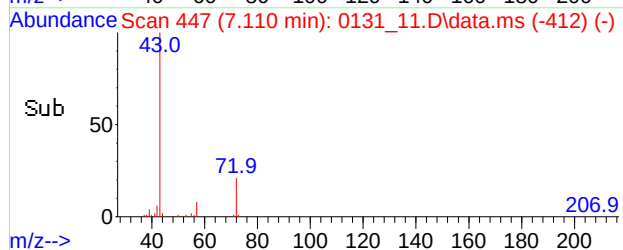
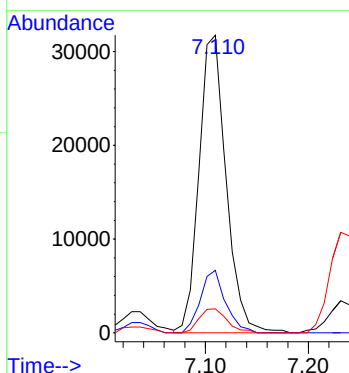
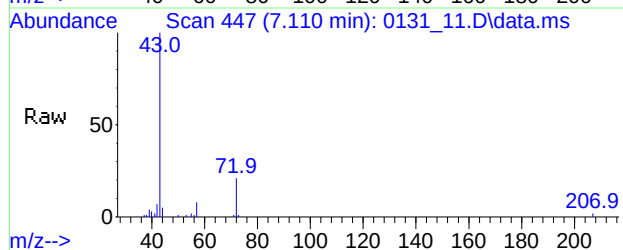
Ion	Ratio	Lower	Upper
49	100		
84	63.7	46.1	69.1
86	42.1	30.9	46.3

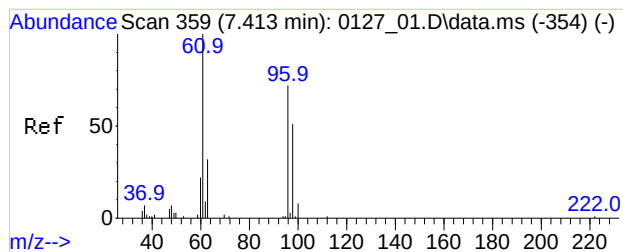


#25
Methyl Ethyl Ketone
Conc: 8\$ 0.923 ppbv
RT: 7.110 min Scan# 447
Delta R.T. -0.016 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

Tgt Ion: 43 Resp: 57964

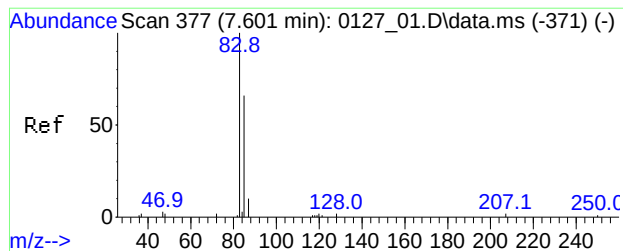
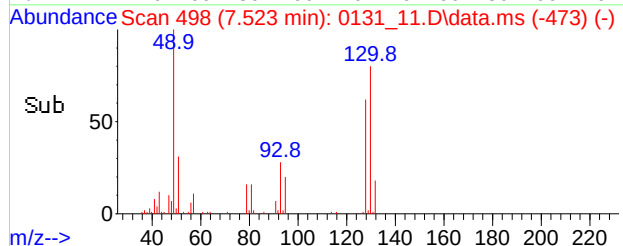
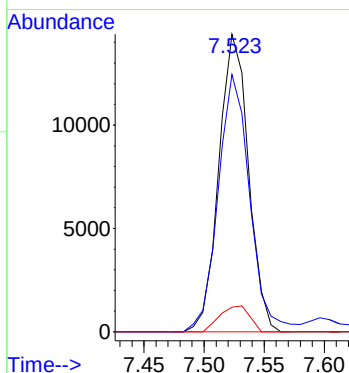
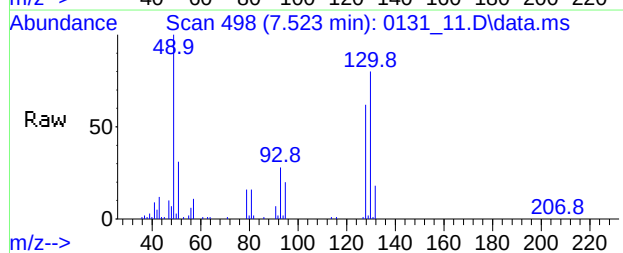
Ion	Ratio	Lower	Upper
43	100		
72	19.4	13.1	19.7
57	8.4	6.6	9.8





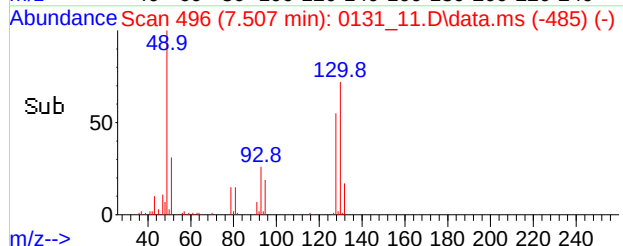
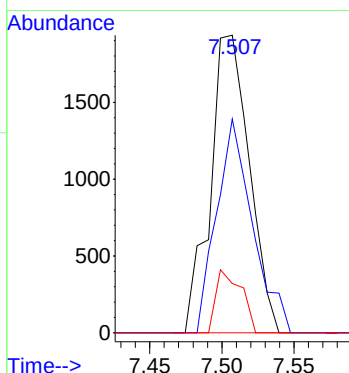
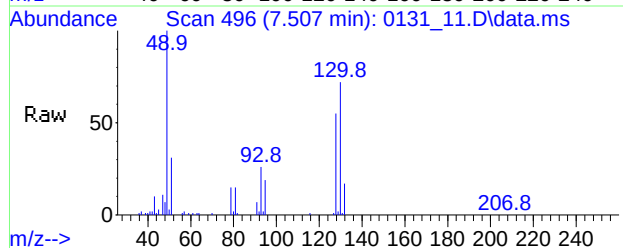
#27
Hexane
Conc: 8\$ 0.592 ppbv
RT: 7.523 min Scan# 498
Delta R.T. 0.000 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

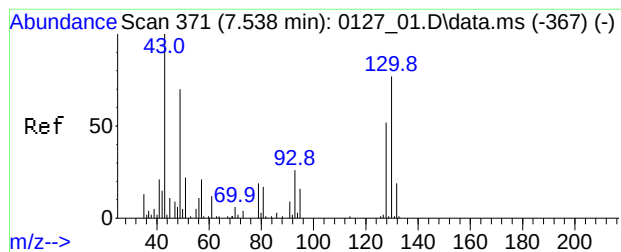
Tgt Ion: 57 Resp: 24730
Ion Ratio Lower Upper
57 100
41 92.3 63.4 95.2
86 8.8 5.8 8.6#



#29
Ethyl acetate
Conc: 8\$ 0.373 ppbv
RT: 7.507 min Scan# 496
Delta R.T. -0.008 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

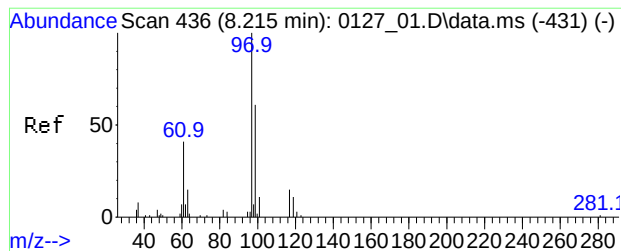
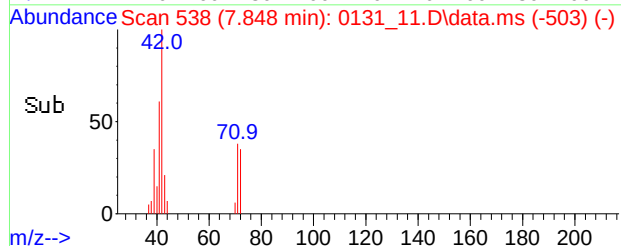
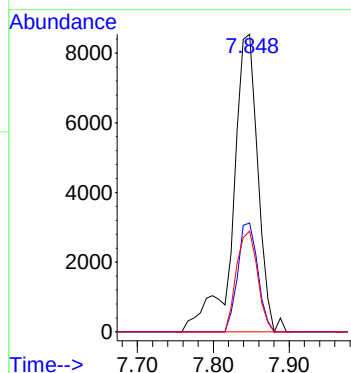
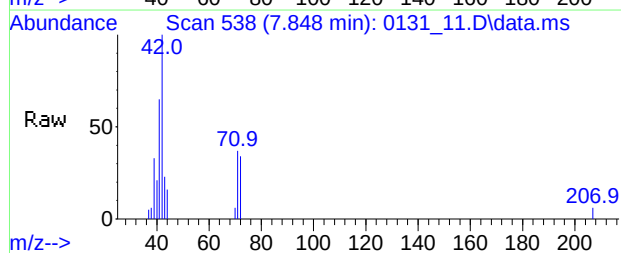
Tgt Ion: 61 Resp: 3635
Ion Ratio Lower Upper
61 100
70 66.2 42.9 64.3#
88 13.7 10.0 15.0





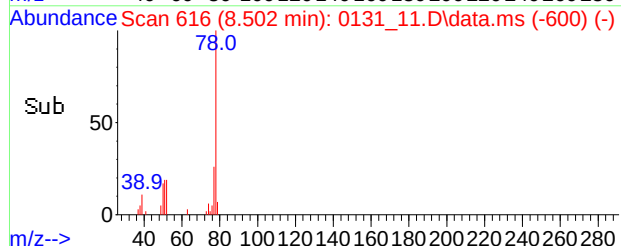
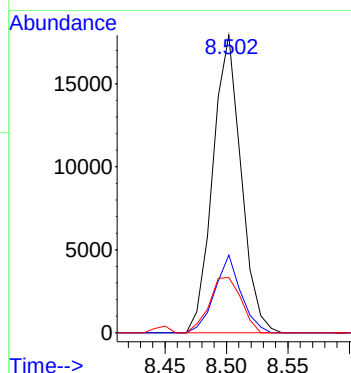
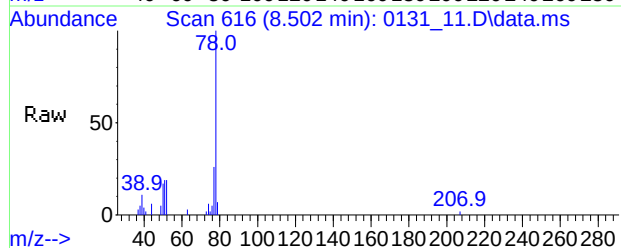
#30
Tetrahydrofuran
Conc: 8\$ 0.656 ppbv
RT: 7.848 min Scan# 538
Delta R.T. -0.016 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

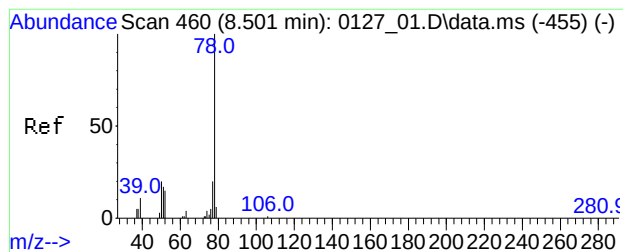
Tgt Ion: 42 Resp: 19419
Ion Ratio Lower Upper
42 100
71 29.5 23.5 35.3
72 28.6 21.5 32.3



#33
Benzene
Conc: 8\$ 0.333 ppbv
RT: 8.502 min Scan# 616
Delta R.T. -0.000 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

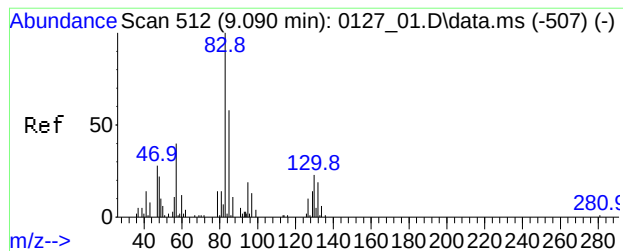
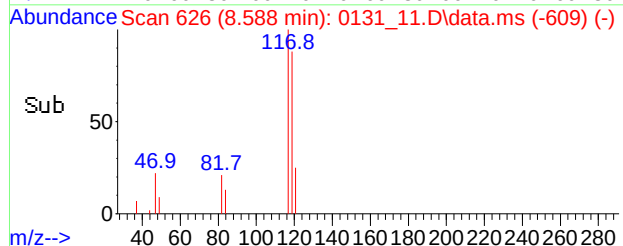
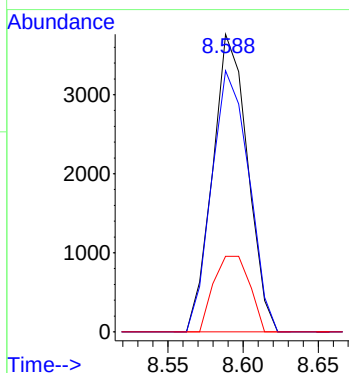
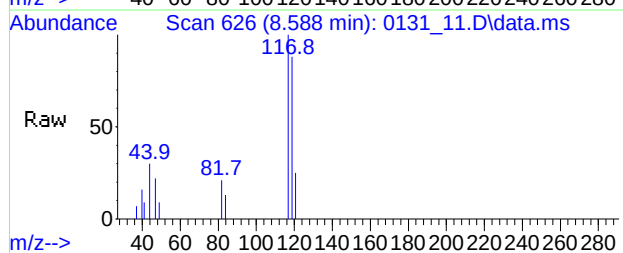
Tgt Ion: 78 Resp: 28689
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2
51 21.0 18.1 27.1





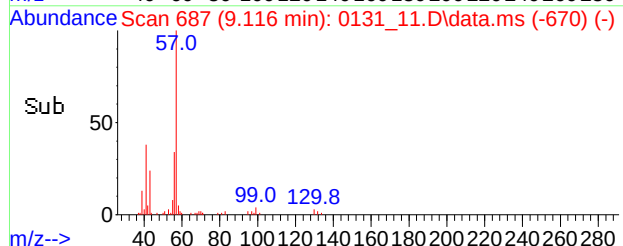
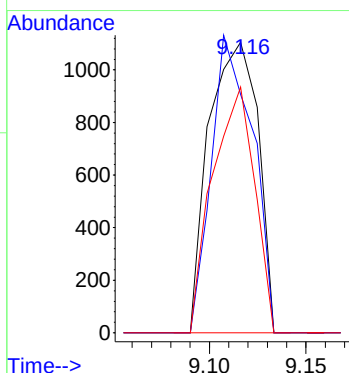
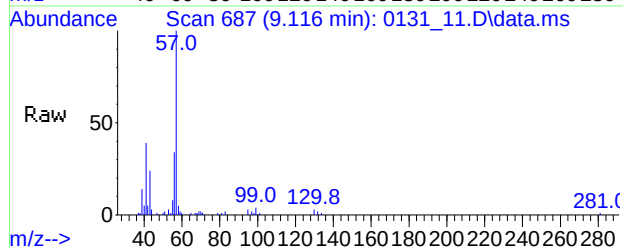
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.588 min Scan# 626
Delta R.T. 0.000 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

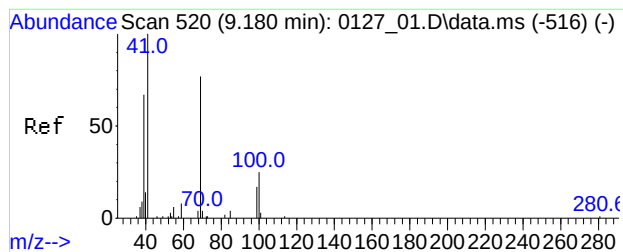
Tgt Ion: 117 Resp: 6130
Ion Ratio Lower Upper
117 100
119 93.2 76.5 116.5
121 26.0 11.2 51.2



#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 9.116 min Scan# 687
Delta R.T. 0.000 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

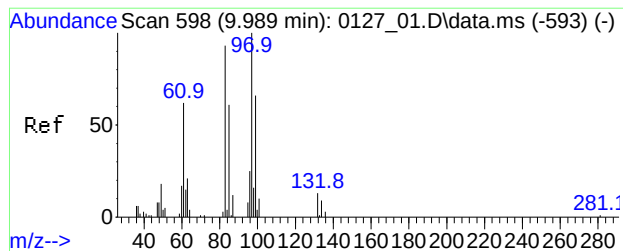
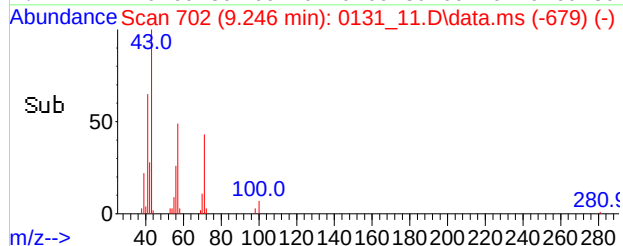
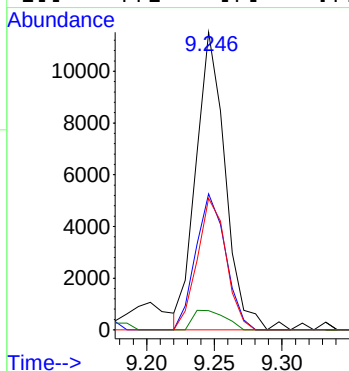
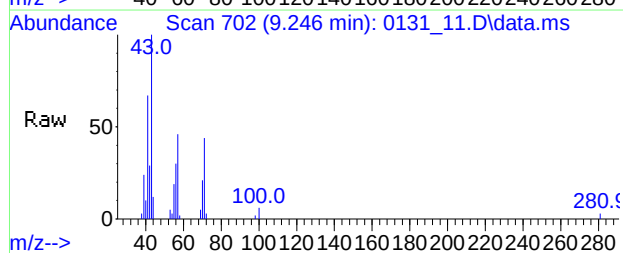
Tgt Ion: 130 Resp: 1946
Ion Ratio Lower Upper
130 100
132 86.0 77.9 116.9
97 72.5 48.3 72.5#





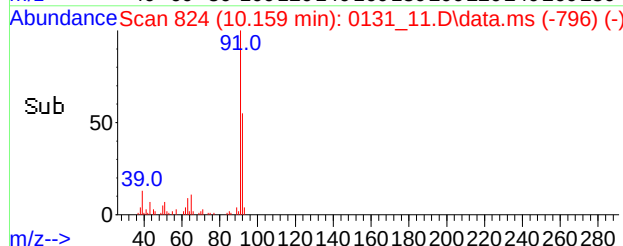
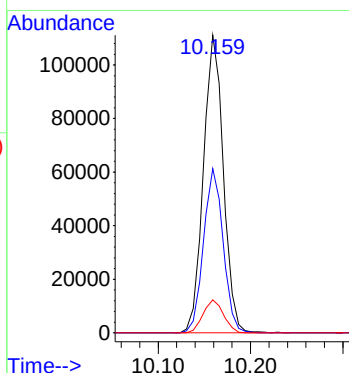
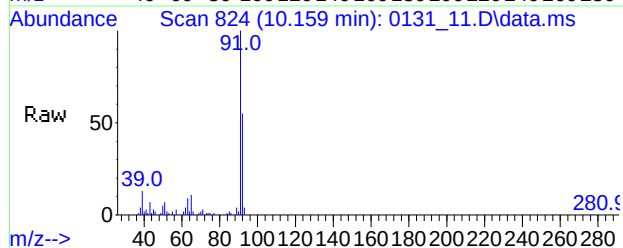
#43
Heptane
Conc: 8\$ 0.317 ppbv
RT: 9.246 min Scan# 702
Delta R.T. -0.000 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

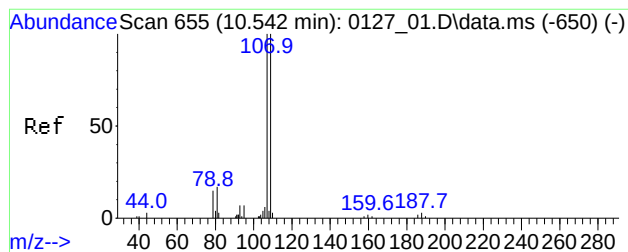
Tgt Ion:	43	Resp:	17349
Ion	Ratio	Lower	Upper
43	100		
57	46.6	42.4	63.6
71	43.3	29.4	44.0
100	7.2	6.5	9.7



#48
Toluene
Conc: 8\$ 1.548 ppbv
RT: 10.159 min Scan# 824
Delta R.T. -0.000 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

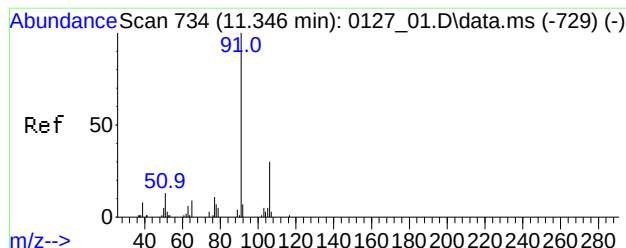
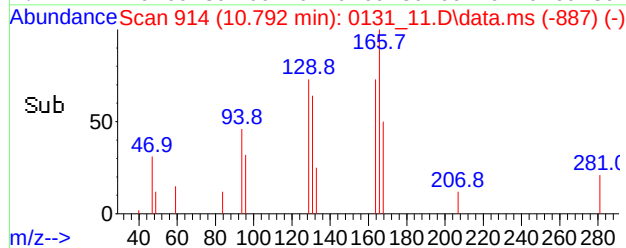
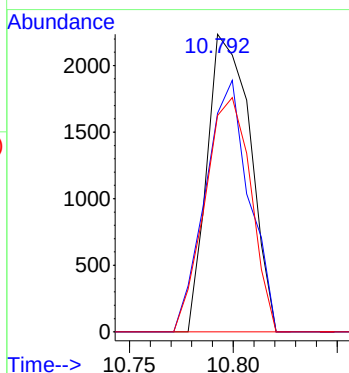
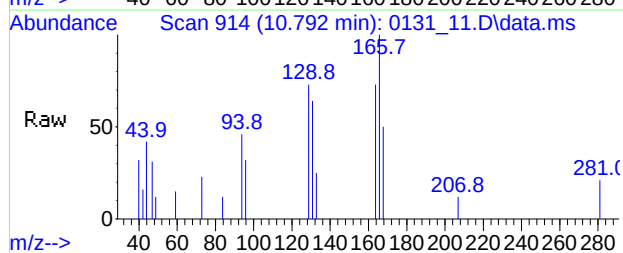
Tgt Ion:	91	Resp:	166410
Ion	Ratio	Lower	Upper
91	100		
92	54.3	45.0	67.4
65	11.3	9.4	14.2





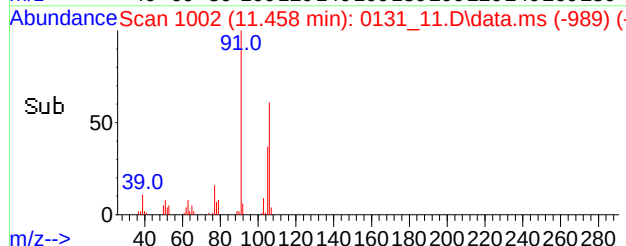
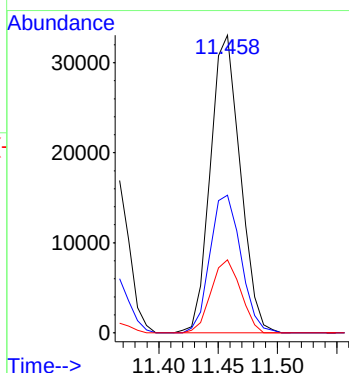
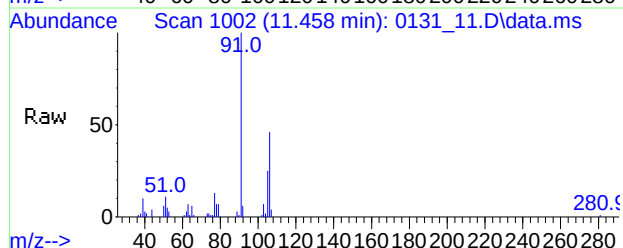
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.792 min Scan# 914
Delta R.T. -0.007 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

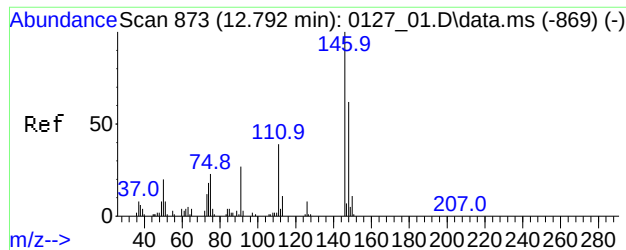
Tgt Ion: 166 Resp: 3207
Ion Ratio Lower Upper
166 100
164 86.3 64.7 97.1
129 84.2 62.2 93.2



#57
m,p-Xylene
Conc: 8\$ 0.588 ppbv
RT: 11.458 min Scan# 1002
Delta R.T. -0.000 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

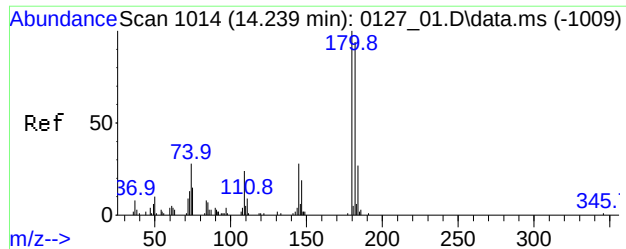
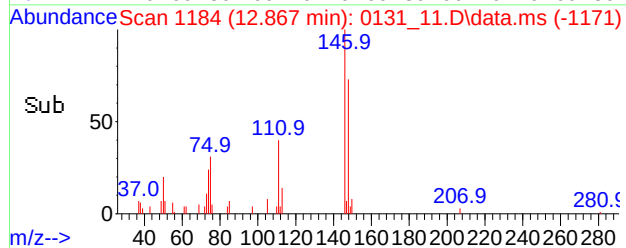
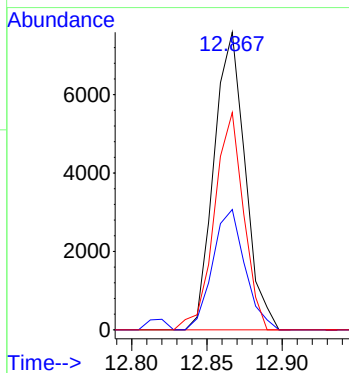
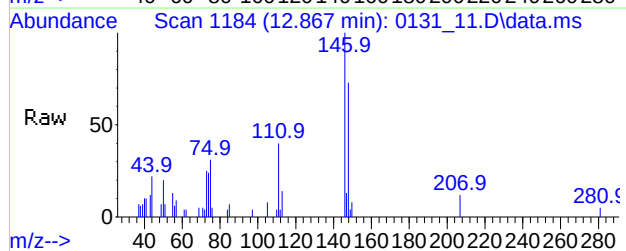
Tgt Ion: 91 Resp: 57796
Ion Ratio Lower Upper
91 100
106 48.0 41.1 61.7
105 24.2 19.5 29.3





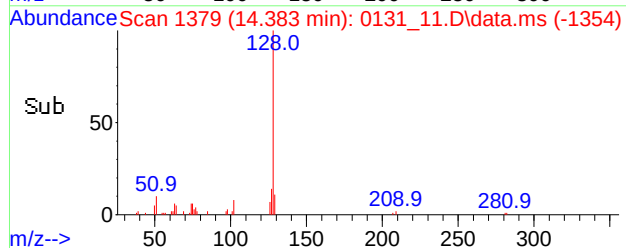
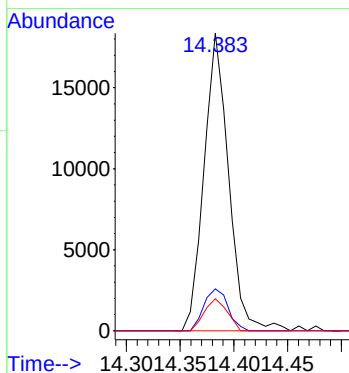
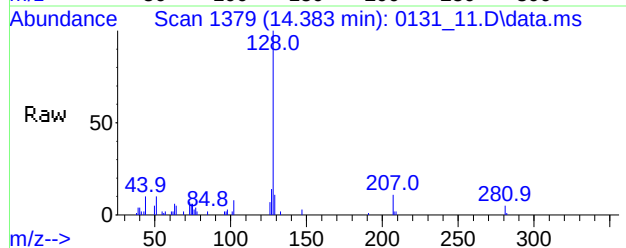
#72
1,4-Dichlorobenzene
Conc: 8\$ 0.166 ppbv
RT: 12.867 min Scan# 1184
Delta R.T. -0.000 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

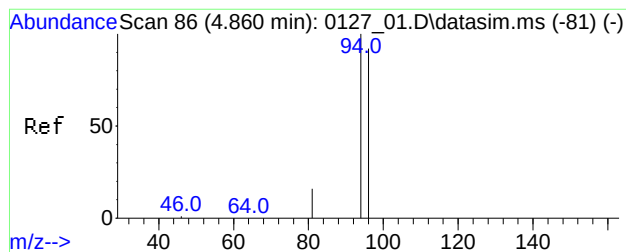
Tgt Ion: 146 Resp: 10898
Ion Ratio Lower Upper
146 100
111 42.2 29.7 44.5
148 68.8 51.3 76.9



#78
Naphthalene
Conc: 8\$ 0.319 ppbv
RT: 14.383 min Scan# 1379
Delta R.T. -0.008 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

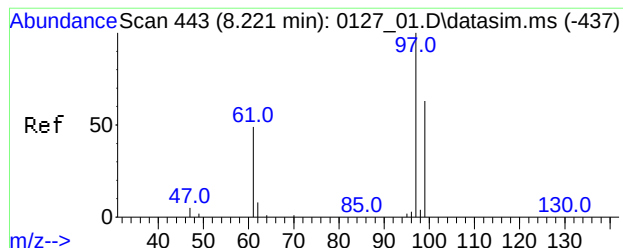
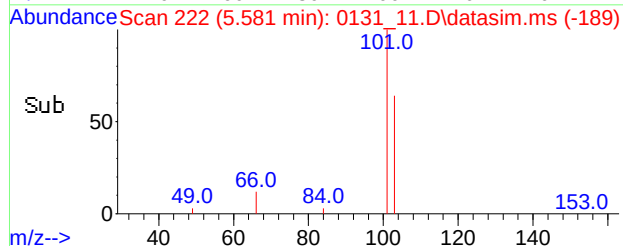
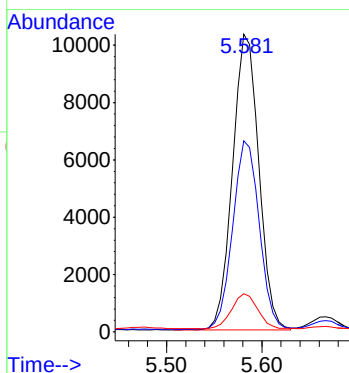
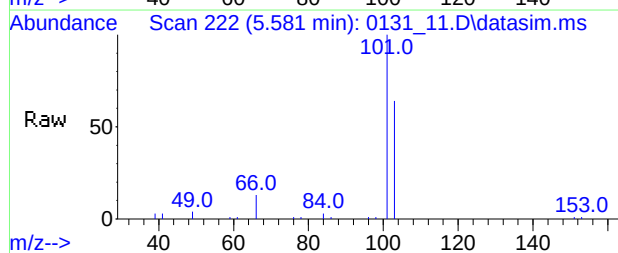
Tgt Ion: 128 Resp: 29160
Ion Ratio Lower Upper
128 100
127 13.8 11.9 11.9#
129 10.0 8.7 13.1





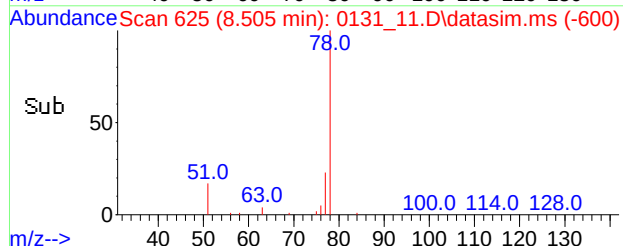
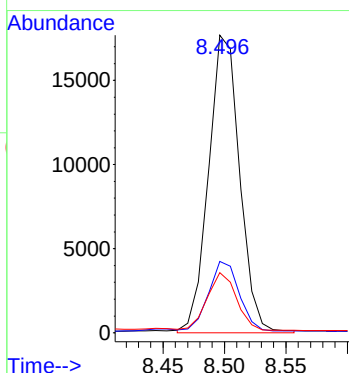
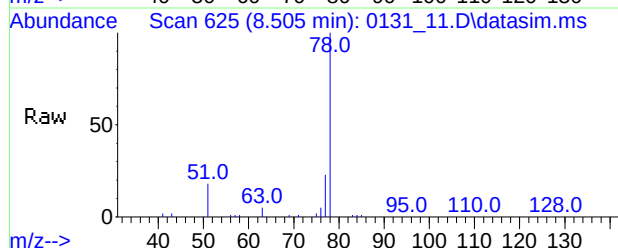
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.222 ppbv
RT: 5.581 min Scan# 222
Delta R.T. -0.000 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

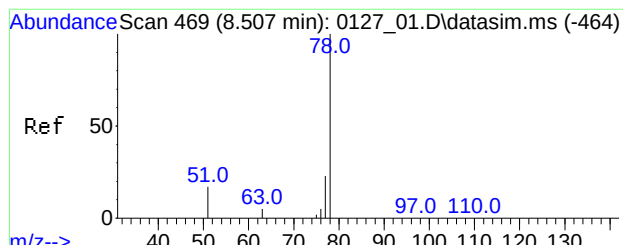
Tgt Ion: 101 Resp: 19793
Ion Ratio Lower Upper
101 100
103 64.5 52.4 78.6
66 13.5 11.4 11.4#



#87
Benzene(sim)
Conc: 8\$ 0.316 ppbv
RT: 8.502 min Scan# 625
Delta R.T. 0.006 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

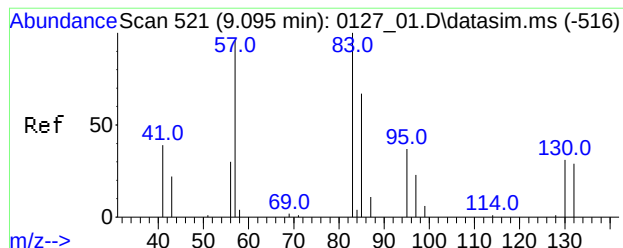
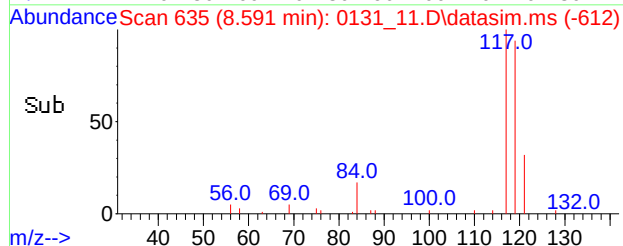
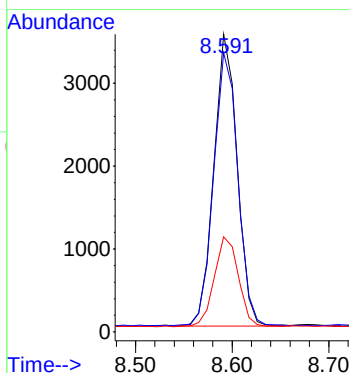
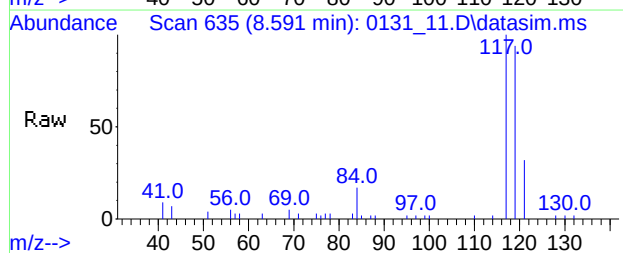
Tgt Ion: 78 Resp: 28689
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2
51 21.0 18.1 27.1





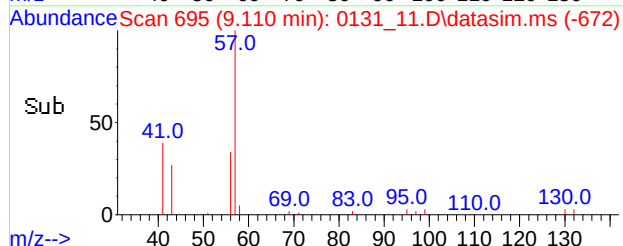
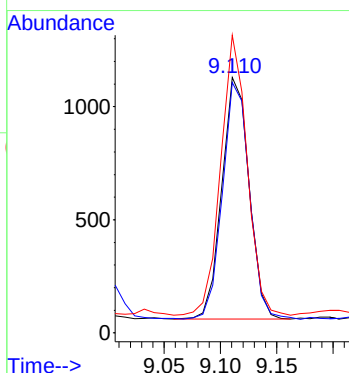
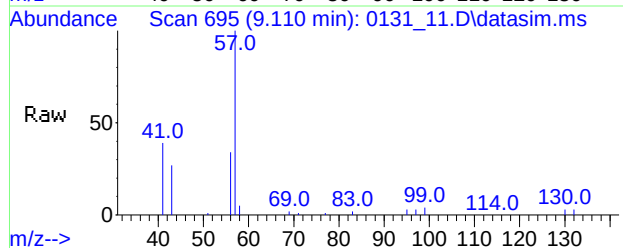
#88
Carbon Tetrachloride(sim)
Conc: 8\$ 0.085 ppbv
RT: 8.591 min Scan# 635
Delta R.T. 0.000 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

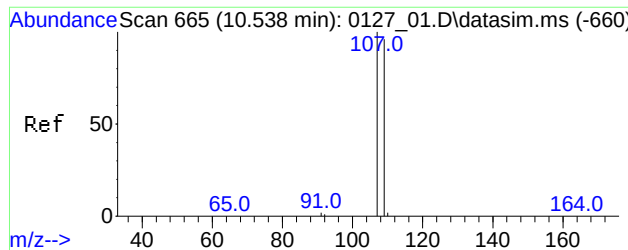
Tgt Ion:117 Resp: 5905
Ion Ratio Lower Upper
117 100
119 96.2 77.4 116.2
121 31.9 24.9 37.3



#98
Trichloroethene(sim)
Conc: 8\$ 0.038 ppbv
RT: 9.110 min Scan# 695
Delta R.T. 0.000 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

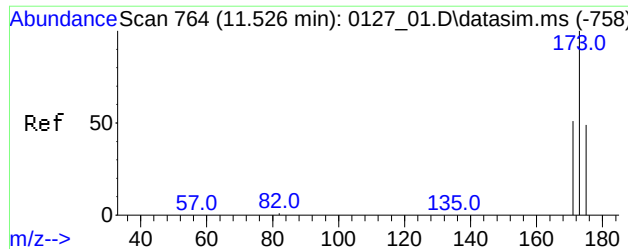
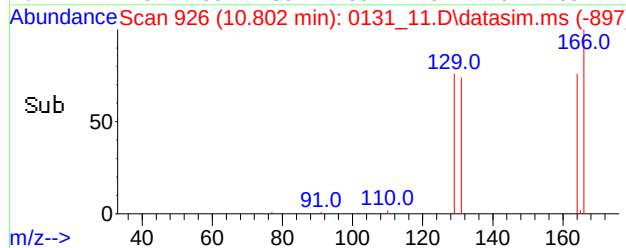
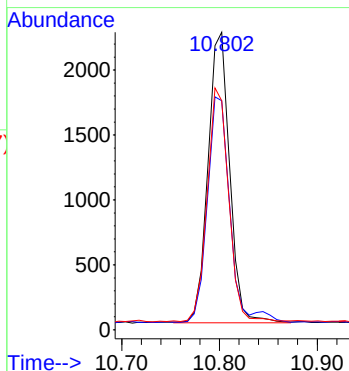
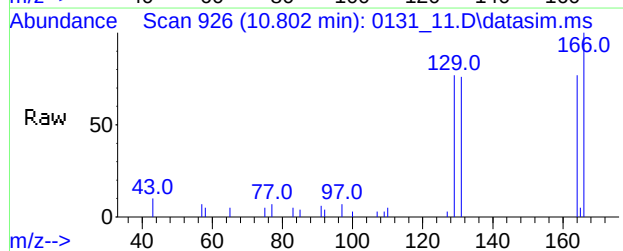
Tgt Ion:130 Resp: 1800
Ion Ratio Lower Upper
130 100
132 97.4 77.5 116.3
95 112.4 73.8 110.6#





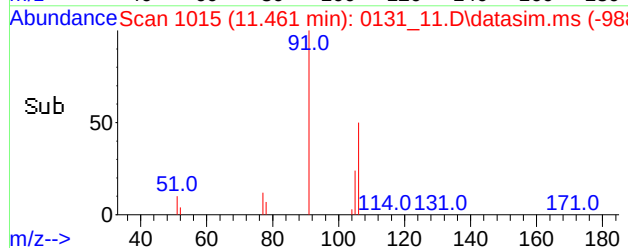
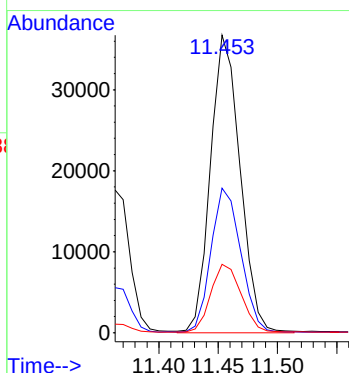
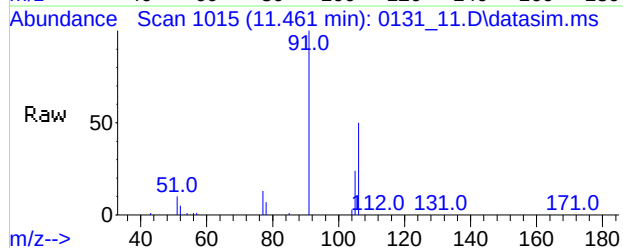
#104
Tetrachloroethene(sim)
Conc: 8\$ 0.049 ppbv
RT: 10.802 min Scan# 926
Delta R.T. 0.007 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

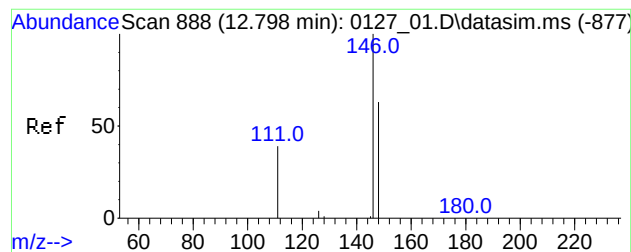
Tgt Ion: 166 Resp: 3444
Ion Ratio Lower Upper
166 100
164 80.8 58.0 98.0
129 80.5 58.0 98.0



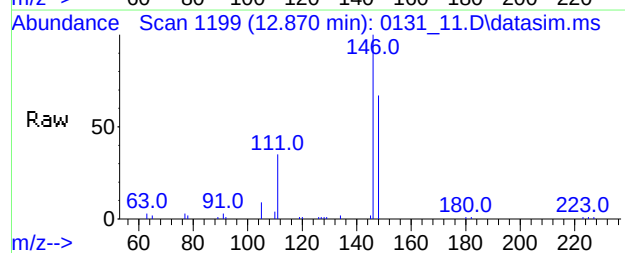
#107
m,p-Xylene(sim)
Conc: 8\$ 0.486 ppbv
RT: 11.458 min Scan# 1015
Delta R.T. 0.005 min
Lab File: 0131_11.D
Acq: 31 Jan 2025 8:12 pm

Tgt Ion: 91 Resp: 57796
Ion Ratio Lower Upper
91 100
106 48.0 46.3 56.5
105 24.2 19.5 29.3

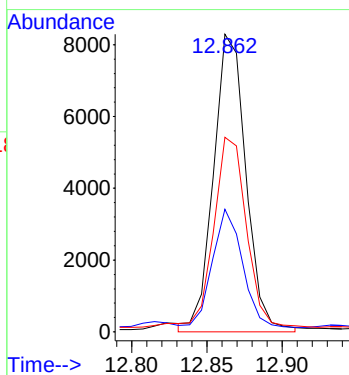
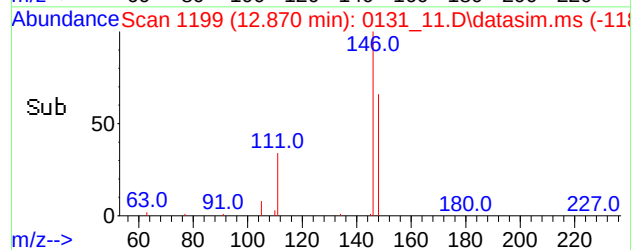




#113
 1,4-Dichlorobenzene(sim)
 Conc: 8\$ 0.200 ppbv
 RT: 12.867 min Scan# 1199
 Delta R.T. 0.005 min
 Lab File: 0131_11.D
 Acq: 31 Jan 2025 8:12 pm



Tgt Ion:146 Resp: 10898
 Ion Ratio Lower Upper
 146 100
 111 42.2 17.1 57.1
 148 67.7 44.1 84.1



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	CS55373 LCS
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55373 LCS</u>	
Canister:	<u>LCS</u>	Lab File ID:	<u>0131_05.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u>	(cc)	Date Analyzed:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	9.49		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	10.3		0.202	0.202	r
74-87-3	Chloromethane	9.87		0.485	0.485	r
76-14-2	1,2-Dichlorotetrafluoroethane	10.3		0.143	0.143	r
75-01-4	Vinyl Chloride	9.71		0.078	0.078	r
106-99-0	1,3-Butadiene	9.78		0.452	0.452	r
74-83-9	Bromomethane	9.70		0.258	0.258	r
75-00-3	Chloroethane	9.89		0.379	0.379	r
64-17-5	Ethanol	5.72		0.531	0.531	r
67-64-1	Acetone	9.63		0.421	0.421	r
75-69-4	Trichlorofluoromethane	10.1		0.178	0.178	r
67-63-0	Isopropylalcohol	9.35		0.407	0.407	r
107-13-1	Acrylonitrile	9.64		0.461	0.461	r
75-35-4	1,1-Dichloroethene	10.1		0.051	0.051	r
75-09-2	Methylene Chloride	9.30		0.863	0.863	r
75-15-0	Carbon Disulfide	10.5		0.321	0.321	r
76-13-1	Trichlorotrifluoroethane	10.4		0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene	9.73		0.252	0.252	r
75-34-3	1,1-Dichloroethane	9.88		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	10.0		0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	9.91		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	10.1		0.051	0.051	r
110-54-3	Hexane	9.87		0.284	0.284	r
67-66-3	Chloroform	10.2		0.205	0.205	r
141-78-6	Ethyl acetate	11.4		0.278	0.278	r
109-99-9	Tetrahydrofuran	9.92		0.339	0.339	r
107-06-2	1,2-Dichloroethane	10.1		0.247	0.247	r
71-55-6	1,1,1-Trichloroethane	10.3		0.183	0.183	r
71-43-2	Benzene	10.1		0.313	0.313	r
56-23-5	Carbon Tetrachloride	10.3		0.032	0.032	r
110-82-7	Cyclohexane	9.39		0.291	0.291	r
78-87-5	1,2-dichloropropane	10.2		0.217	0.217	r
75-27-4	Bromodichloromethane	10.1		0.149	0.149	r
79-01-6	Trichloroethene	9.83		0.037	0.037	r
540-84-1	2,2,4-trimethylpentane	9.68		0.215	0.215	r
123-91-1	1,4-Dioxane	8.97		0.278	0.278	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55373 LCS</u>
Canister:	<u>LCS</u>	Lab File ID:	<u>0131_05.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>01/31/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
142-82-5	Heptane	9.76		0.244	0.244	r
10061-01-5	cis-1,3-Dichloropropene	9.98		0.220	0.220	r
108-10-1	4-Methyl-2-pentanone(MIBK)	9.38		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	10.3		0.220	0.220	r
79-00-5	1,1,2-Trichloroethane	10.0		0.183	0.183	r
108-88-3	Toluene	10.1		0.266	0.266	r
124-48-1	Dibromochloromethane	10.3		0.117	0.117	r
591-78-6	2-Hexanone(MBK)	9.62		0.244	0.244	r
106-93-4	1,2-Dibromoethane(EDB)	10.1		0.130	0.130	r
127-18-4	Tetrachloroethene	9.57		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	10.3		0.146	0.146	r
108-90-7	Chlorobenzene	9.95		0.217	0.217	r
100-41-4	Ethylbenzene	10.4		0.230	0.230	r
179601-23-1	m,p-Xylene	21.1		0.230	0.230	r
75-25-2	Bromoform	9.24		0.097	0.097	r
100-42-5	Styrene	10.3		0.235	0.235	r
79-34-5	1,1,2,2-Tetrachloroethane	9.93		0.146	0.146	r
95-47-6	o-Xylene	9.81		0.230	0.230	r
98-82-8	Isopropylbenzene	9.99		0.204	0.204	r
622-96-8	4-Ethyltoluene	10.1		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	10.4		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	10.1		0.204	0.204	r
100-44-7	Benzyl chloride	10.8		0.193	0.193	r
541-73-1	1,3-Dichlorobenzene	9.58		0.166	0.166	r
106-46-7	1,4-Dichlorobenzene	10.0		0.166	0.166	r
135-98-8	sec-Butylbenzene	9.69		0.182	0.182	r
99-87-6	4-Isopropyltoluene	9.69		0.182	0.182	r
95-50-1	1,2-Dichlorobenzene	9.92		0.166	0.166	r
104-51-8	n-Butylbenzene	9.81		0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene	8.65		0.135	0.135	r
91-20-3	Naphthalene	8.46		0.200	0.200	r
87-68-3	Hexachlorobutadiene	8.57		0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_05.D
 Acq On : 31 Jan 2025 2:42 pm
 Operator :
 Client ID : CS55373 LCS
 Lab ID : CS55373 LCS
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Feb 01 11:41:11 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:44:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	347238	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1139263	10.000	ng	0.00
53) Chlorobenzene-d5	10.669	82	541444	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	396374	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1139391	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.669	82	542196	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.503	95	617458	10.008	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 100.10%		

Target Compounds					Qvalue	
2) Propylene	3.727	41	265823	9.491	ppbv	91
3) Dichlorodifluoromethane	3.800	85	868739	10.295	ppbv	97
4) Chloromethane	3.938	50	394017	9.869	ppbv	94
5) 1,2-Dichlorotetrafluor...	4.027	85	1154436	10.324	ppbv#	73
6) Vinyl Chloride	4.125	62	374672	9.705	ppbv	94
7) 1,3-Butadiene	4.238	54	309661	9.784	ppbv	94
8) Bromomethane	4.457	94	424126	9.698	ppbv#	91
9) Chloroethane	4.595	64	173688	9.893	ppbv	90
11) Ethanol	4.684	45	111026	5.716	ppbv#	42
12) Acetone	5.033	43	861622	9.633	ppbv#	83
13) Trichlorofluoromethane	5.155	101	1319786	10.055	ppbv	95
14) Isopropylalcohol	5.211	45	871706	9.352	ppbv#	95
15) Acrylonitrile	5.349	53	312635	9.640	ppbv#	1
16) 1,1-Dichloroethene	5.592	61	716435	10.098	ppbv#	84
17) Methylene Chloride	5.670	49	588102	9.299	ppbv	98
20) Carbon Disulfide	5.884	76	972917	10.507	ppbv	96
21) Trichlorotrifluoroethane	5.836	101	956226	10.428	ppbv	95
22) Trans-1,2-Dichloroethene	6.277	61	363047	9.731	ppbv#	75
23) 1,1-Dichloroethane	6.408	63	463731	9.876	ppbv	95
24) Methyl tert-butyl ethe...	6.444	73	666321	10.030	ppbv#	87
25) Methyl Ethyl Ketone	6.648	43	662403	9.913	ppbv#	93
26) Cis-1,2-Dichloroethene	6.926	61	362422	10.069	ppbv#	78
27) Hexane	7.042	57	426389	9.865	ppbv	96
28) Chloroform	7.104	83	582181	10.218	ppbv	96
29) Ethyl acetate	7.042	61	113621	11.403	ppbv#	80
30) Tetrahydrofuran	7.359	42	349682	9.924	ppbv#	87
31) 1,2-Dichloroethane	7.561	62	361556	10.092	ppbv#	82
32) 1,1,1-Trichloroethane	7.724	97	598561	10.286	ppbv	95
33) Benzene	8.002	78	855338	10.064	ppbv	97
34) Carbon Tetrachloride	8.097	117	650685	10.314	ppbv	93
35) Cyclohexane	8.175	84	328297	9.390	ppbv#	86
37) 1,2-dichloropropane	8.486	63	353731	10.157	ppbv#	83
38) Bromodichloromethane	8.599	83	652703	10.063	ppbv	97
39) Trichloroethene	8.624	130	543829	9.832	ppbv#	79
40) 2,2,4-trimethylpentane	8.624	57	1371472	9.679	ppbv	96
41) 1,4-Dioxane	8.616	88	190590	8.965	ppbv#	83
43) Heptane	8.763	43	593529	9.757	ppbv	91
44) cis-1,3-Dichloropropene	9.109	75	517877	9.984	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.116	43	864114	9.383	ppbv#	89
46) trans-1,3-Dichloropropene	9.397	75	396235	10.310	ppbv#	93
47) 1,1,2-Trichloroethane	9.517	97	410738	10.026	ppbv	96
48) Toluene	9.679	91	1169754	10.097	ppbv#	97

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_05.D
 Acq On : 31 Jan 2025 2:42 pm
 Operator :
 Client ID : CS55373 LCS
 Lab ID : CS55373 LCS
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Feb 01 11:41:11 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:44:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.925	129	813873	10.322	ppbv	98
50) 2-Hexanone(MBK)	9.791	43	798783	9.621	ppbv#	47
51) 1,2-Dibromoethane(EDB)	10.066	107	715322	10.085	ppbv	96
52) Tetrachloroethene	10.312	166	650237	9.571	ppbv	96
54) 1,1,1,2-Tetrachloroethane	10.676	131	574098	10.263	ppbv#	91
55) Chlorobenzene	10.691	112	1001715	9.945	ppbv#	76
56) Ethylbenzene	10.881	91	1499695	10.432	ppbv	85
57) m, p-Xylene	10.979	91	2228775	21.113	ppbv	100
58) Bromoform	11.055	173	594519	9.241	ppbv	96
59) Styrene	11.184	104	910288	10.278	ppbv#	77
60) 1,1,2,2-Tetrachloroethane	11.237	83	908730	9.928	ppbv	93
61) o-Xylene	11.245	91	1149597	9.813	ppbv#	83
64) Isopropylbenzene	11.563	105	1646184	9.987	ppbv#	94
65) 4-Ethyltoluene	11.935	105	1727492	10.061	ppbv#	93
66) 1,3,5-Trimethylbenzene	11.981	105	1401790	10.379	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.231	105	1545350	10.087	ppbv#	87
68) Benzyl chloride	12.330	91	999229	10.833	ppbv#	88
69) 1,3-Dichlorobenzene	12.345	146	1160880	9.581	ppbv#	87
70) 1,4-Dichlorobenzene	12.383	146	1175885	10.029	ppbv	100
71) sec-Butylbenzene	12.391	105	2108793	9.685	ppbv#	91
72) 4-Isopropyltoluene	12.482	119	2119676	9.687	ppbv	100
73) 1,2-Dichlorobenzene	12.604	146	1114140	9.921	ppbv#	88
74) n-Butylbenzene	12.748	91	1704916m	9.811	ppbv	98
75) 1,2,4-Trichlorobenzene	13.750	180	740016	8.652	ppbv	96
76) Naphthalene	13.841	128	1692686	8.458	ppbv#	95
77) Hexachlorobutadiene	14.084	225	622173	8.574	ppbv	98
79] 1,2-Dichlorotetrafluor...	4.027	85	1152708	9.800	ppbv#	73
80] Vinyl Chloride(sim)	4.127	62	407127	9.343	ppbv	99
81] Bromomethane(sim)	4.457	94	424126	8.800	ppbv#	92
82] Trichlorofluoromethane...	5.158	101	1424059	9.799	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.561	62	361556	9.503	ppbv#	4
84] 1,1,1-Trichloroethane(...	7.719	97	673180	10.482	ppbv#	91
85] Benzene(sim)	8.002	78	855439	8.901	ppbv	97
86] Carbon Tetrachloride(sim)	8.100	117	735313	11.997	ppbv	96
87] 1,1-Dichloroethene(sim)	5.592	61	716435	9.251	ppbv#	84
88] Trichlorotrifluoroetha...	5.833	101	1025688	9.844	ppbv#	97
89] Trans-1,2-Dichloroethe...	6.277	61	363047	8.889	ppbv#	75
90] 1,1-Dichloroethane(sim)	6.405	63	514231	9.626	ppbv	99
91] Cis-1,2-Dichloroethene...	6.926	61	362422	8.593	ppbv#	78
92] Chloroform(sim)	7.107	83	636676	10.114	ppbv	98
94] 1,2-dichloropropane(sim)	8.489	63	379829	10.186	ppbv#	86
95] Bromodichloromethane(sim)	8.599	83	652723	11.333	ppbv	98
96] Trichloroethene(sim)	8.627	130	603009	10.226	ppbv#	84
97] 1,4-Dioxane(sim)	8.616	88	190590	9.498	ppbv#	83
98] cis-1,3-Dichloropropen...	9.112	75	579811	11.374	ppbv#	95
99] 1,1,2-Trichloroethane(...	9.517	97	410568	9.766	ppbv	96
100] Dibromochloromethane(sim)	9.928	129	912982	12.651	ppbv	100
101] 1,2-Dibromoethane(EDB)...	10.066	107	714231	9.799	ppbv	95
102] Tetrachloroethene(sim)	10.315	166	767851	9.869	ppbv	95
104] Bromoform(sim)	11.058	173	701317	9.931	ppbv	97
105] m, p-Xylene(sim)	10.979	91	2231807	19.202	ppbv#	87
106] 1,1,2,2-Tetrachloroeth...	11.240	83	971422	9.117	ppbv#	99
107] Benzyl chloride(sim)	12.330	91	998792	11.504	ppbv	88
108] 1,3-Dichlorobenzene(sim)	12.341	146	1369228	9.030	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.383	146	1175885	9.375	ppbv	87

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_05.D
Acq On : 31 Jan 2025 2:42 pm
Operator :
Client ID : CS55373 LCS
Lab ID : CS55373 LCS
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Feb 01 11:41:11 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:44:33 2025
Response via : Initial Calibration

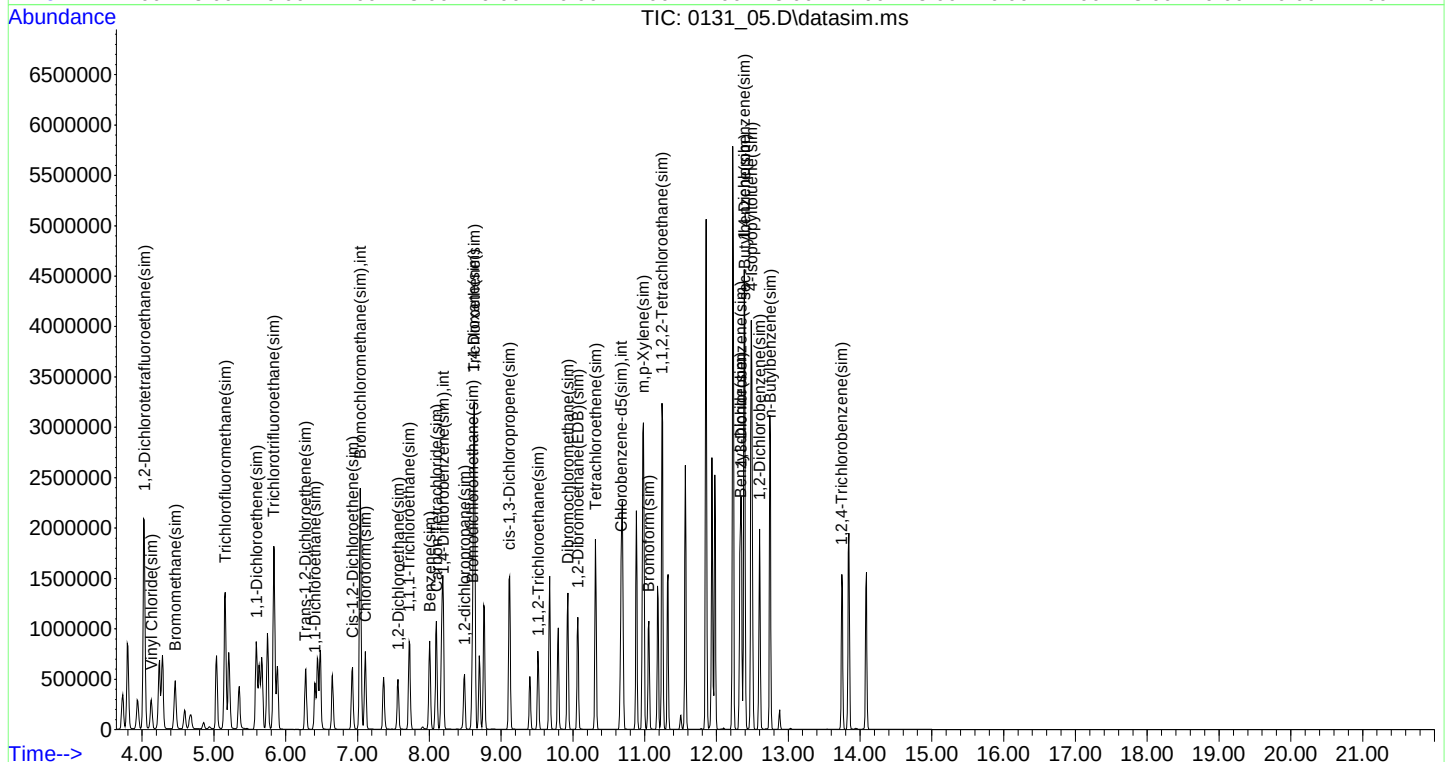
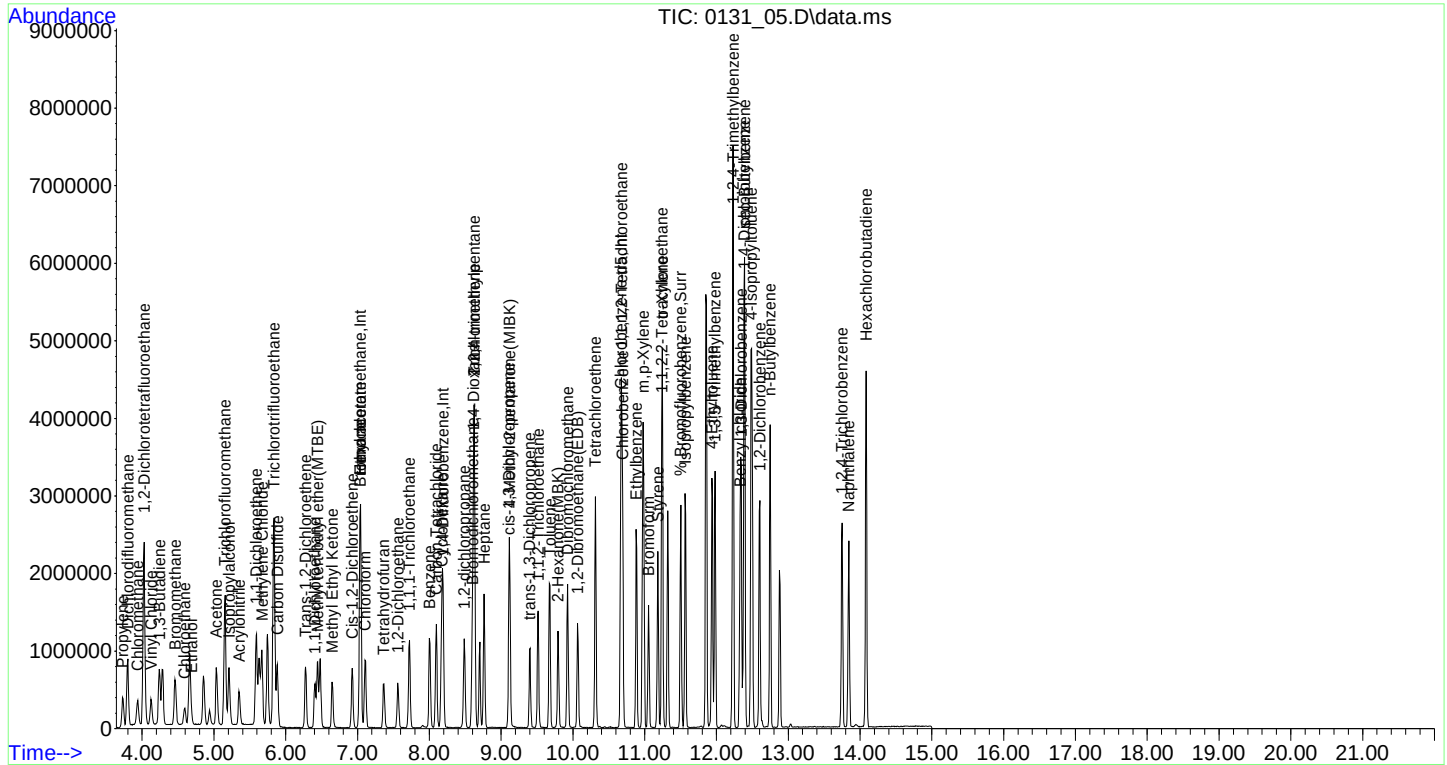
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.394	105	2334340	9.121	ppbv	89
111]	4-Isopropyltoluene(sim)	12.482	119	2119837	9.151	ppbv#	77
112]	1,2-Dichlorobenzene(sim)	12.599	146	1280228	8.844	ppbv	92
113]	n-Butylbenzene(sim)	12.748	91	1692024	9.057	ppbv	93
114]	1,2,4-Trichlorobenzene...	13.746	180	885132	7.165	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_05.D
Acq On : 31 Jan 2025 2:42 pm
Operator :
Client ID : CS55373 LCS
Lab ID : CS55373 LCS
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Feb 01 11:41:11 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri Jan 31 10:44:33 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CS55373 BLANK

Client: FPMGROUP Lab: Phoenix Env. Labs

SDG No.: GCS55361 Lab Sample ID: CS55373 BL

Canister: BL Lab File ID: 0131_06.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 01/31/25

Purge Volume 200 (cc) Date Analyzed: 01/31/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.580	U	0.580	0.580	r
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
74-87-3	Chloromethane	0.480	U	0.480	0.480	r
106-99-0	1,3-Butadiene	0.450	U	0.450	0.450	r
75-00-3	Chloroethane	0.380	U	0.380	0.380	r
64-17-5	Ethanol	0.530	U	0.530	0.530	r
67-64-1	Acetone	0.420	U	0.420	0.420	r
67-63-0	Isopropylalcohol	0.410	U	0.410	0.410	r
107-13-1	Acrylonitrile	0.460	U	0.460	0.460	r
75-09-2	Methylene Chloride	0.860	U	0.860	0.860	r
75-15-0	Carbon Disulfide	0.320	U	0.320	0.320	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.280	U	0.280	0.280	r
78-93-3	Methyl Ethyl Ketone	0.340	U	0.340	0.340	r
110-54-3	Hexane	0.280	U	0.280	0.280	r
141-78-6	Ethyl acetate	0.280	U	0.280	0.280	r
109-99-9	Tetrahydrofuran	0.340	U	0.340	0.340	r
110-82-7	Cyclohexane	0.290	U	0.290	0.290	r
540-84-1	2,2,4-trimethylpentane	0.210	U	0.210	0.210	r
142-82-5	Heptane	0.240	U	0.240	0.240	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.240	U	0.240	0.240	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.270	U	0.270	0.270	r
591-78-6	2-Hexanone(MBK)	0.240	U	0.240	0.240	r
630-20-6	1,1,1,2-Tetrachloroethane	0.150	U	0.150	0.150	r
108-90-7	Chlorobenzene	0.220	U	0.220	0.220	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.230	U	0.230	0.230	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.200	U	0.200	0.200	r
622-96-8	4-Ethyltoluene	0.200	U	0.200	0.200	r
108-67-8	1,3,5-Trimethylbenzene	0.200	U	0.200	0.200	r
95-63-6	1,2,4-Trimethylbenzene	0.200	U	0.200	0.200	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.140	U	0.140	0.140	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.260	U	0.260	0.260	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CS55373 BLANK

Client: FPMGROUP Lab: Phoenix Env. Labs

SDG No.: GCS55361 Lab Sample ID: CS55373 BL

Canister: BL Lab File ID: 0131_06.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 01/31/25

Purge Volume 200 (cc) Date Analyzed: 01/31/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.180	U	0.180	0.180	r
107-06-2	1,2-Dichloroethane(sim)	0.250	U	0.250	0.250	r
71-55-6	1,1,1-Trichloroethane(sim)	0.180	U	0.180	0.180	r
71-43-2	Benzene(sim)	0.310	U	0.310	0.310	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
76-13-1	Trichlorotrifluoroethane(sim)	0.130	U	0.130	0.130	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.250	U	0.250	0.250	r
75-34-3	1,1-Dichloroethane(sim)	0.250	U	0.250	0.250	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
67-66-3	Chloroform(sim)	0.200	U	0.200	0.200	r
78-87-5	1,2-dichloropropane(sim)	0.220	U	0.220	0.220	r
75-27-4	Bromodichloromethane(sim)	0.150	U	0.150	0.150	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.280	U	0.280	0.280	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.180	U	0.180	0.180	r
124-48-1	Dibromochloromethane(sim)	0.120	U	0.120	0.120	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.150	U	0.150	0.150	r
100-44-7	Benzyl chloride(sim)	0.190	U	0.190	0.190	r
541-73-1	1,3-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
106-46-7	1,4-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
135-98-8	sec-Butylbenzene(sim)	0.180	U	0.180	0.180	r
99-87-6	4-Isopropyltoluene(sim)	0.180	U	0.180	0.180	r
95-50-1	1,2-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
104-51-8	n-Butylbenzene(sim)	0.180	U	0.180	0.180	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.130	U	0.130	0.130	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_06.D
Acq On : 31 Jan 2025 3:12 pm
Operator :
Client ID : CS55373 BLANK
Lab ID : CS55373 BLANK
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 11:24:16 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.034	130	360044	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1208736	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	503955	10.000	ng	0.00
78) Bromochloromethane(sim)	7.029	130	416384	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1208736	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	503957	10.000	ng	0.00

System Monitoring Compounds

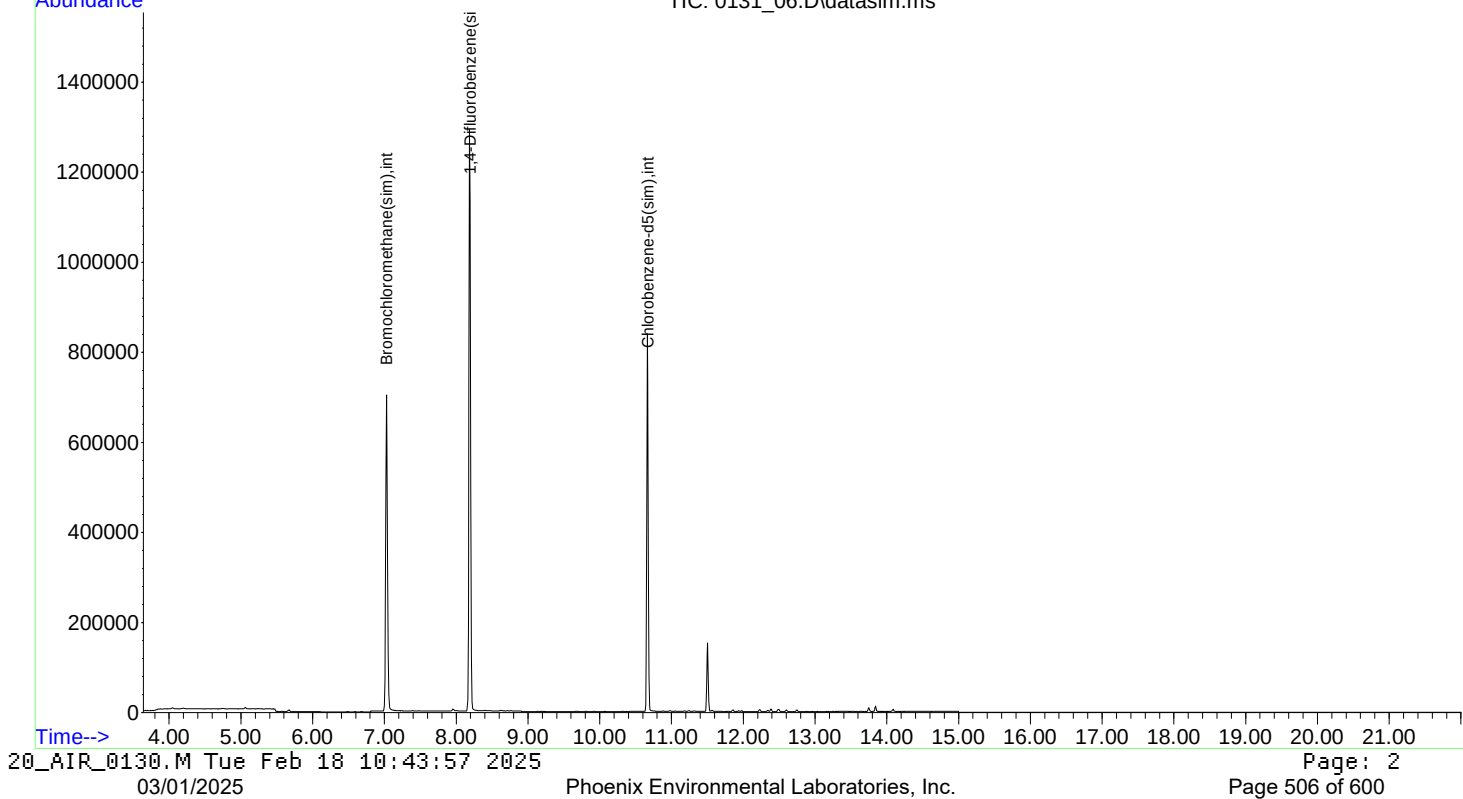
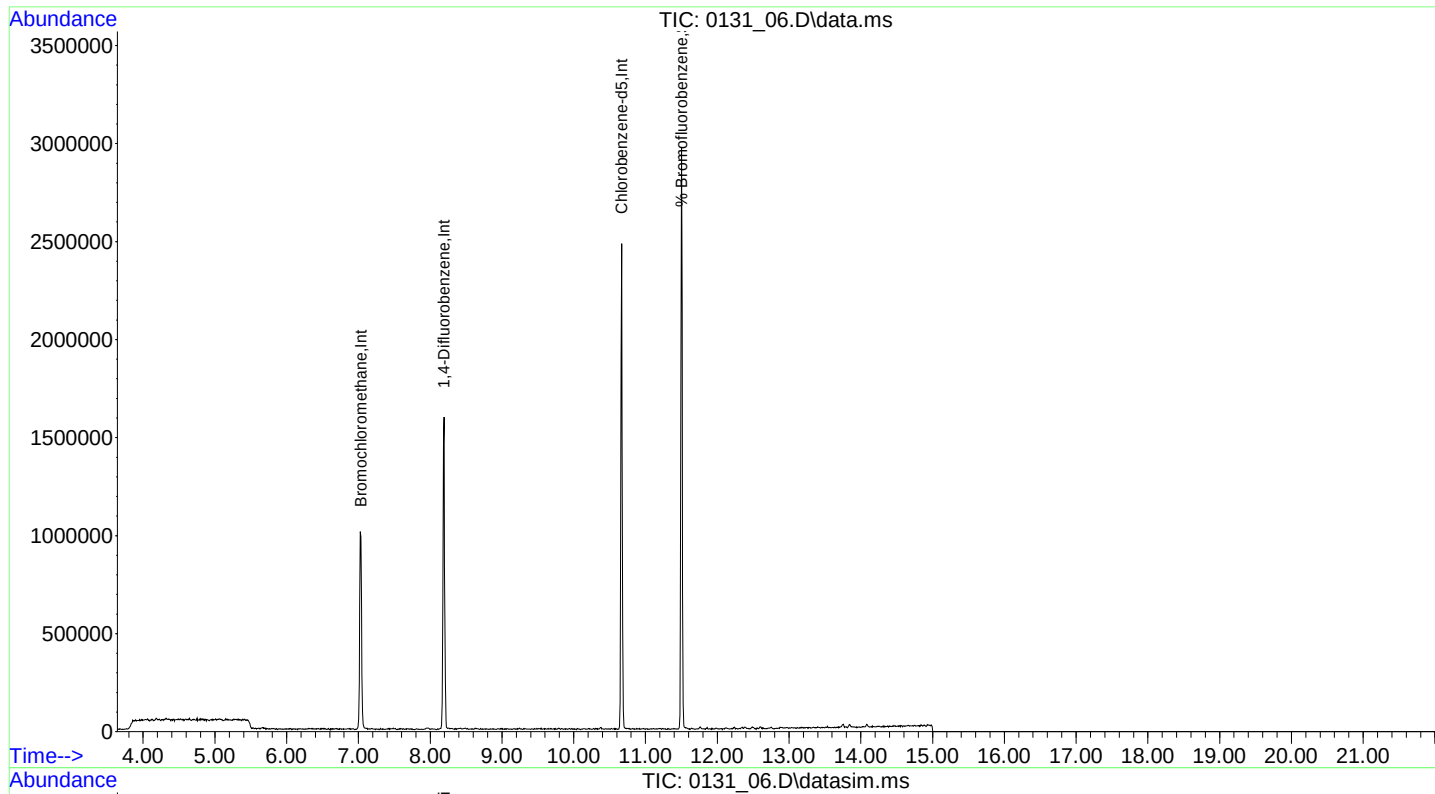
62) % Bromofluorobenzene	11.501	95	641522	11.171	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	111.70%

Target Compounds	Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_06.D
Acq On : 31 Jan 2025 3:12 pm
Operator :
Client ID : CS55373 BLANK
Lab ID : CS55373 BLANK
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 11:24:16 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	IA-H DUP
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55373 DUP</u>	
Canister:	<u>28560</u>	Lab File ID:	<u>0131_09.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>01/31/25</u>
Purge Volume	<u>200</u>	(cc)		Date Analyzed:
				<u>01/31/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.487		0.202	0.202	r
74-87-3	Chloromethane	0.602		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	638	S	0.531	0.531	r
67-64-1	Acetone	13.9	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.217		0.178	0.178	r
67-63-0	Isopropylalcohol	34.0	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.941		0.339	0.339	r
110-54-3	Hexane	0.617	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.546		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.516		0.339	0.339	r
71-43-2	Benzene	0.351		0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.433		0.215	0.215	r
142-82-5	Heptane	0.364		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	1.64		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.653		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.241		0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.435		0.200	0.200	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55373 DUP</u>
Canister:	<u>28560</u>	Lab File ID:	<u>0131_09.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>01/31/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>01/31/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.086		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.143		0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.056		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\01JAN\31\
 Data File : 0131_09.D
 Acq On : 31 Jan 2025 8:01 pm
 Operator :
 Client ID : IA-H DUP
 Lab ID : CS55373 DUP
 ALS Vial : 4 Sample Multiplier: 1

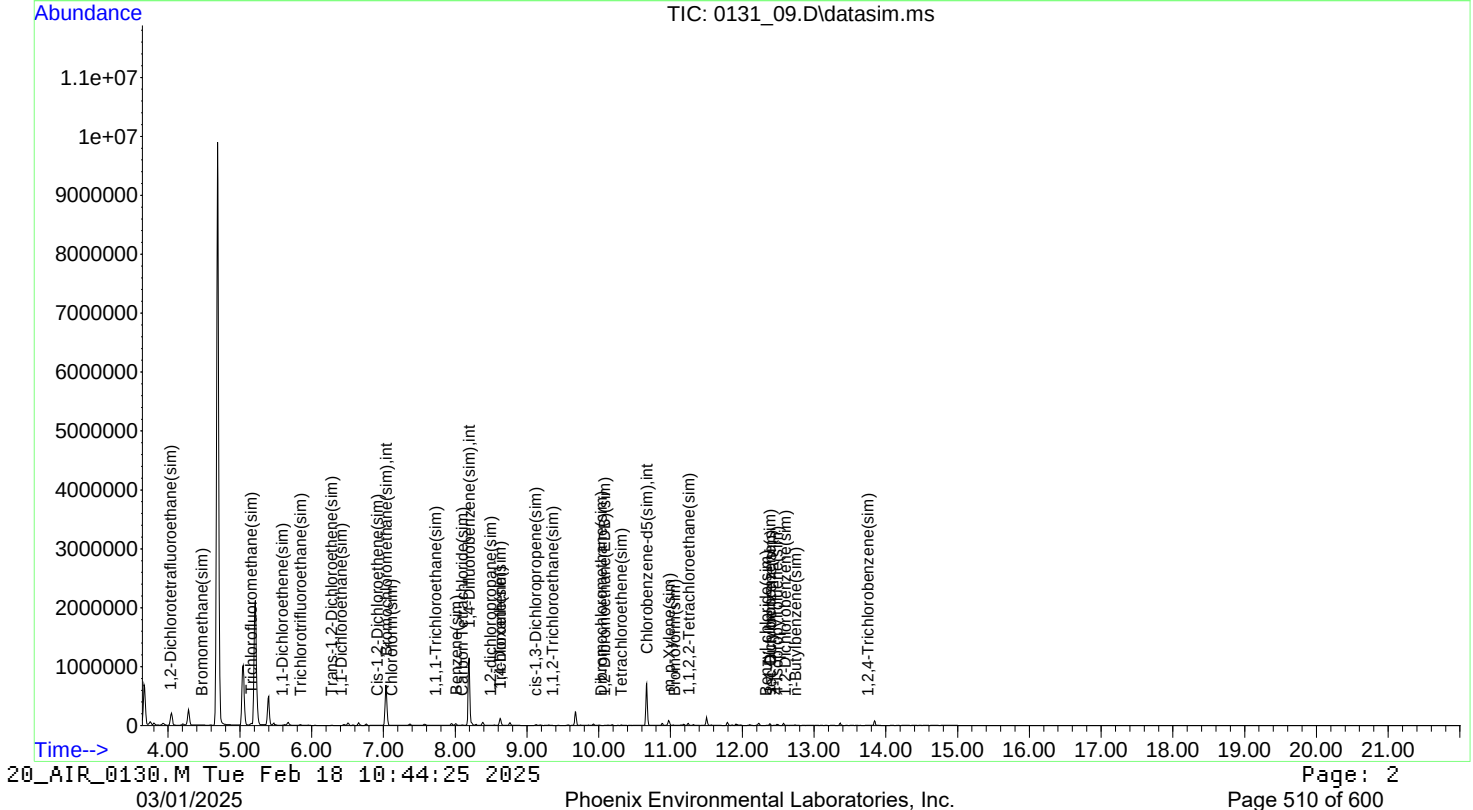
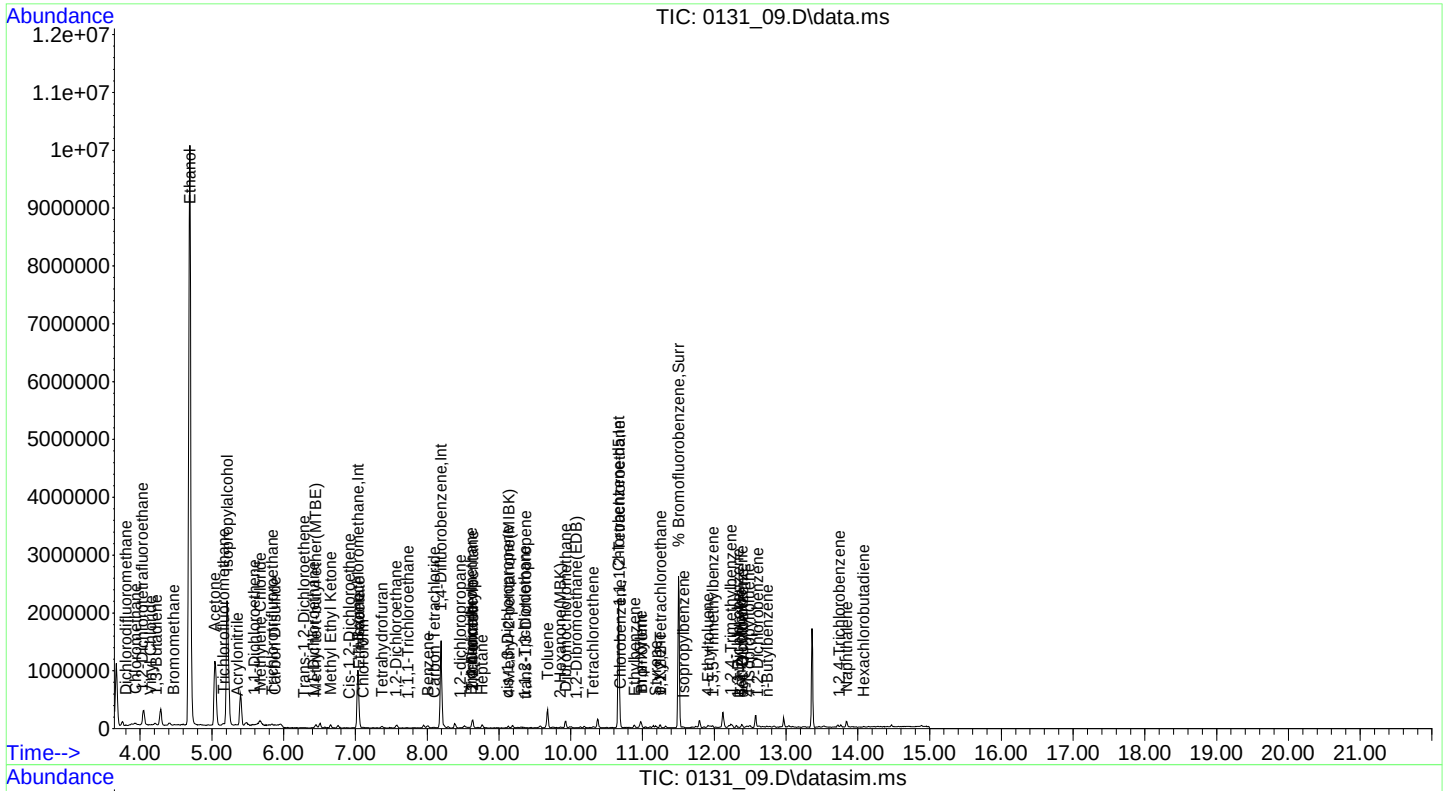
Quant Time: Feb 01 11:27:00 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 10:58:10 2025
 Response via : Initial Calibration

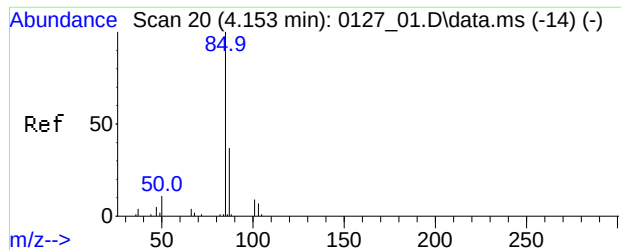
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.034	130	323050	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.192	114	1085323	10.000	ng	0.00
53) Chlorobenzene-d5	10.667	82	448702	10.000	ng	0.00
78) Bromochloromethane(sim)	7.037	130	365938	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.192	114	1085323	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.667	82	448296	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.501	95	566877	11.087	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	110.90%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.800	85	38226	0.487	ppbv#	93
4) Chloromethane	3.938	50	22358	0.602	ppbv	86
11) Ethanol	4.692	45	11520646	637.583	ppbv#	40
12) Acetone	5.041	43	1159608	13.935	ppbv#	86
13) Trichlorofluoromethane	5.163	101	26541	0.217	ppbv#	89
14) Isopropylalcohol	5.212	45	2945513	33.968	ppbv#	95
17) Methylene Chloride	5.670	49	37496	0.637	ppbv	98
25) Methyl Ethyl Ketone	6.653	43	58480	0.941	ppbv#	92
27) Hexane	7.042	57	24791	0.616	ppbv#	98
29) Ethyl acetate	7.050	61	5057	0.546	ppbv#	68
30) Tetrahydrofuran	7.367	42	16914	0.516	ppbv#	86
33) Benzene	8.010	78	27739	0.351	ppbv	96
34) Carbon Tetrachloride	8.097	117	5081	0.087	ppbv	95
39) Trichloroethene	8.625	130	8392	0.159	ppbv#	78
43) Heptane	8.763	43	21103	0.364	ppbv#	90
48) Toluene	9.677	91	181205	1.642	ppbv#	97
52) Tetrachloroethene	10.311	166	3967	0.061	ppbv	93
57) m,p-Xylene	10.978	91	57147	0.653	ppbv	100
61) o-Xylene	11.243	91	23394	0.241	ppbv#	91
70) 1,4-Dichlorobenzene	12.382	146	15729	0.162	ppbv	100
76) Naphthalene	13.848	128	72196	0.435	ppbv#	94
82] Trichlorofluoromethane...	5.158	101	27061	0.202	ppbv#	97
85] Benzene(sim)	8.010	78	27739	0.313	ppbv	96
86] Carbon Tetrachloride(sim)	8.100	117	4837	0.085	ppbv	98
96] Trichloroethene(sim)	8.627	130	8004	0.142	ppbv#	82
102] Tetrachloroethene(sim)	10.314	166	4144	0.056	ppbv	92
105] m,p-Xylene(sim)	10.978	91	57147	0.595	ppbv#	83

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\01JAN\31\
Data File : 0131_09.D
Acq On : 31 Jan 2025 8:01 pm
Operator :
Client ID : IA-H DUP
Lab ID : CS55373 DUP
ALS Vial : 4 Sample Multiplier: 1

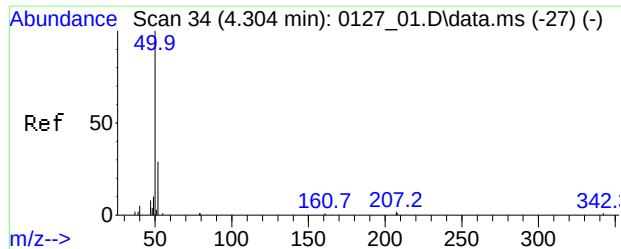
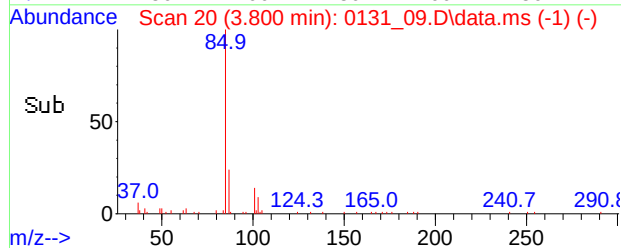
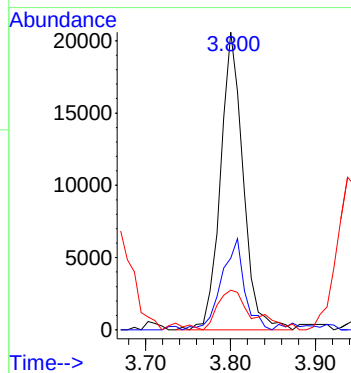
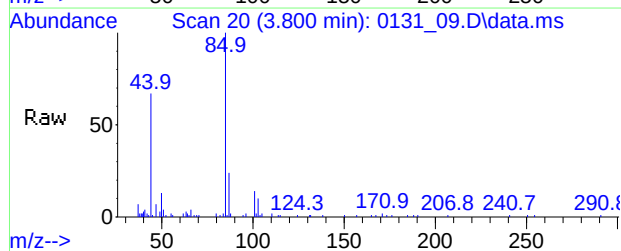
Quant Time: Feb 01 11:27:00 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0130.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 10:58:10 2025
Response via : Initial Calibration





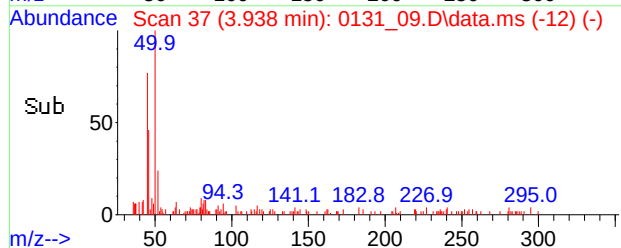
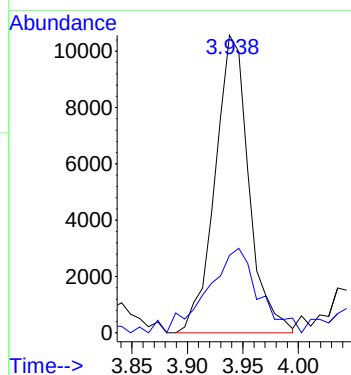
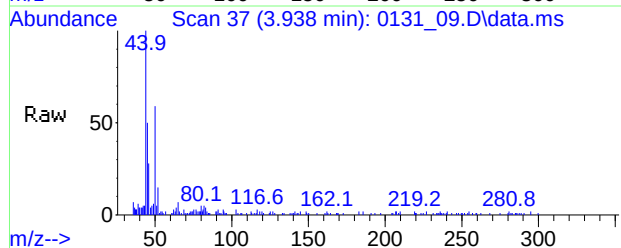
#3
Dichlorodifluoromethane
Conc: 8\$ 0.487 ppbv
RT: 3.800 min Scan# 20
Delta R.T. 0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

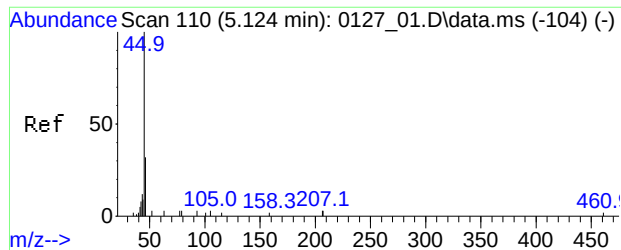
Tgt Ion: 85 Resp: 38226
Ion Ratio Lower Upper
85 100
87 31.0 25.8 38.8
50 20.4 10.6 15.8#



#4
Chloromethane
Conc: 8\$ 0.602 ppbv
RT: 3.938 min Scan# 37
Delta R.T. 0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

Tgt Ion: 50 Resp: 22358
Ion Ratio Lower Upper
50 100
52 43.5 15.5 55.5

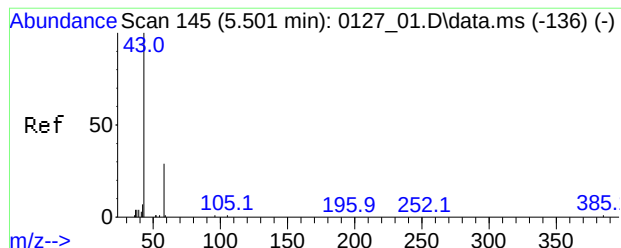
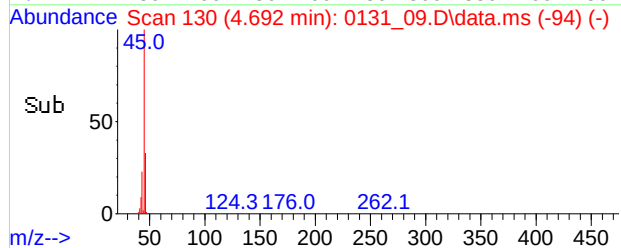
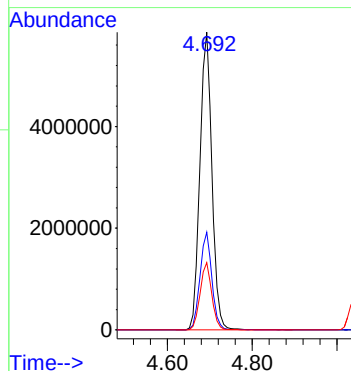
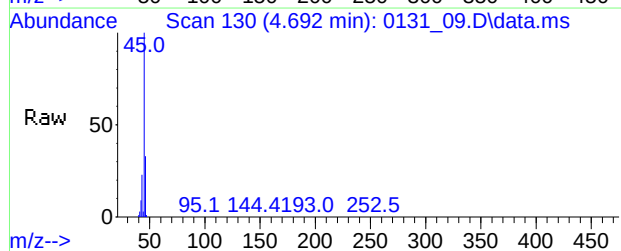




#11
Ethanol
Conc: 8\$ 637.583 ppbv
RT: 4.692 min Scan# 130
Delta R.T. -0.009 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

Tgt Ion: 45 Resp: 11520646

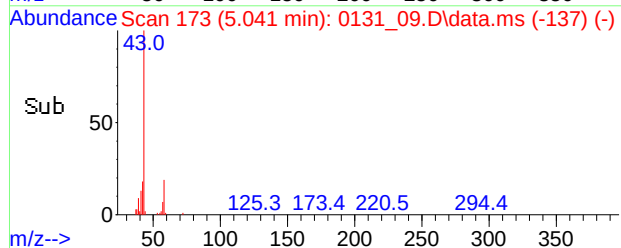
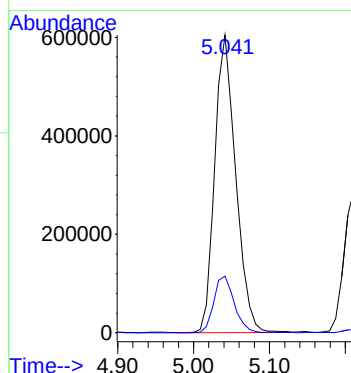
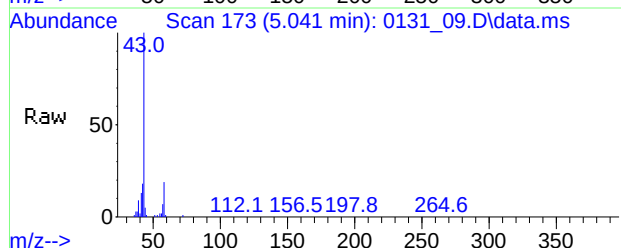
Ion	Ratio	Lower	Upper
45	100		
46	32.4	0.6	0.8#
43	22.1	0.0	0.0#

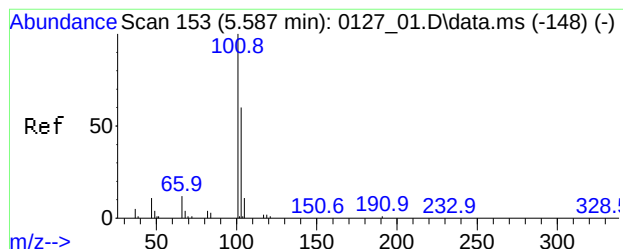


#12
Acetone
Conc: 8\$ 13.935 ppbv
RT: 5.041 min Scan# 173
Delta R.T. -0.008 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

Tgt Ion: 43 Resp: 1159608

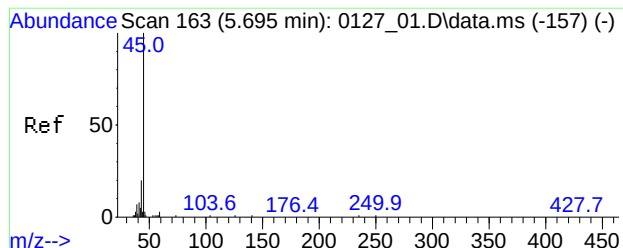
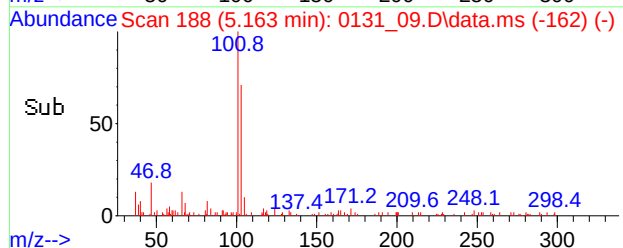
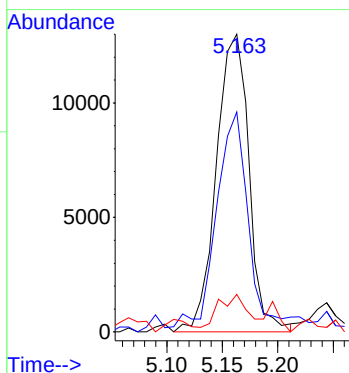
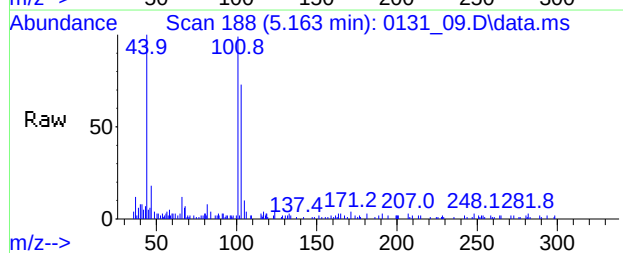
Ion	Ratio	Lower	Upper
43	100		
58	18.8	0.2	0.2#





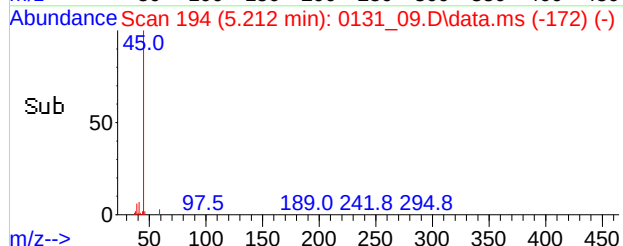
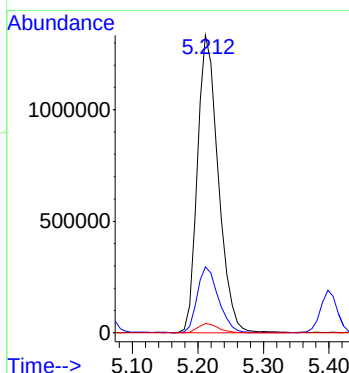
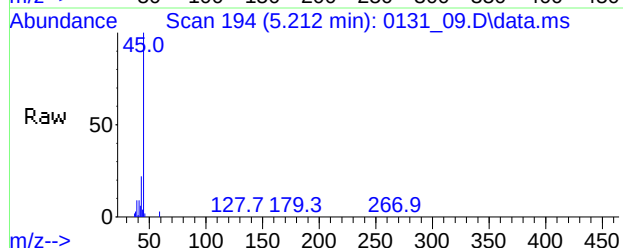
#13
Trichlorofluoromethane
Conc: 8\$ 0.217 ppbv
RT: 5.163 min Scan# 188
Delta R.T. 0.008 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

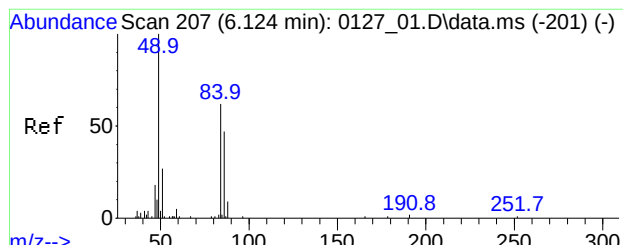
Tgt Ion: 101 Resp: 26541
Ion Ratio Lower Upper
101 100
103 70.4 49.8 74.8
66 10.3 12.1 18.1#



#14
Isopropylalcohol
Conc: 8\$ 33.968 ppbv
RT: 5.212 min Scan# 194
Delta R.T. -0.024 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

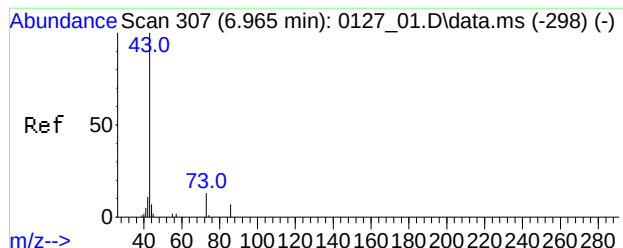
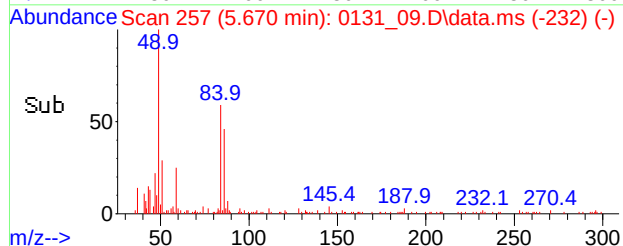
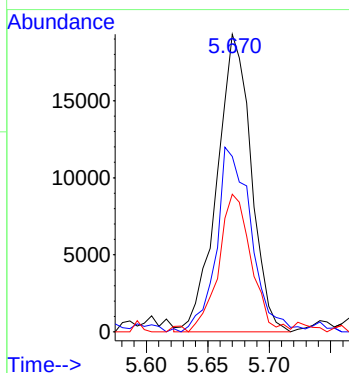
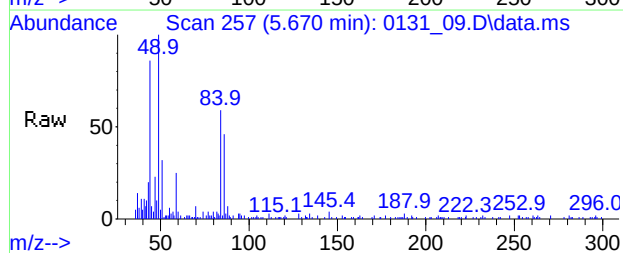
Tgt Ion: 45 Resp: 2945513
Ion Ratio Lower Upper
45 100
43 22.5 0.0 0.0#
59 3.1 0.6 1.0#





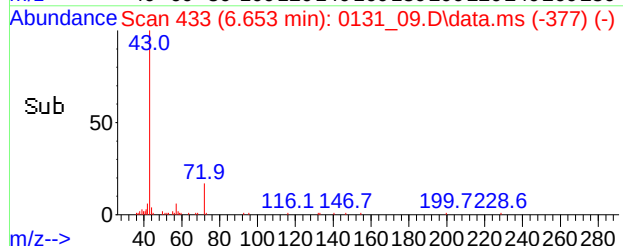
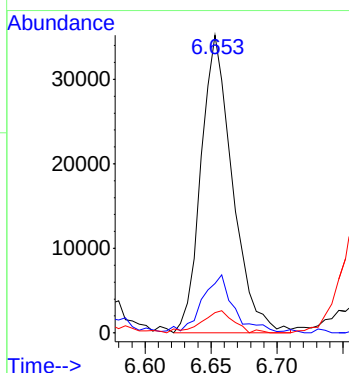
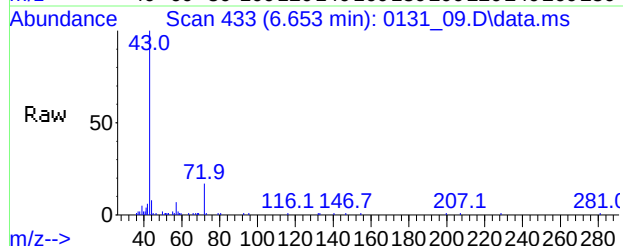
#17
Methylene Chloride
Conc: 8\$ 0.637 ppbv
RT: 5.670 min Scan# 257
Delta R.T. -0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

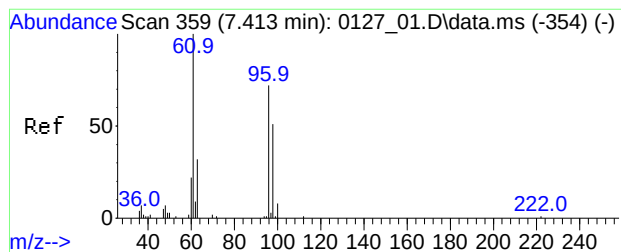
Tgt Ion: 49 Resp: 37496
Ion Ratio Lower Upper
49 100
84 62.7 50.1 75.1
86 44.7 33.8 50.8



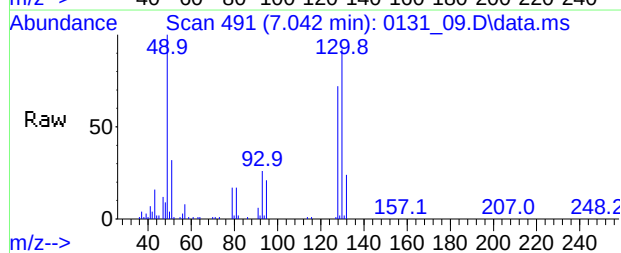
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.941 ppbv
RT: 6.653 min Scan# 433
Delta R.T. -0.010 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

Tgt Ion: 43 Resp: 58480
Ion Ratio Lower Upper
43 100
72 19.8 0.0 0.0#
57 7.7 0.2 0.4#

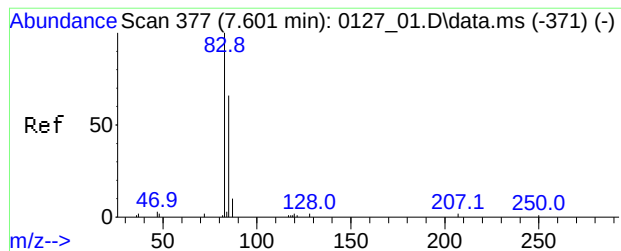
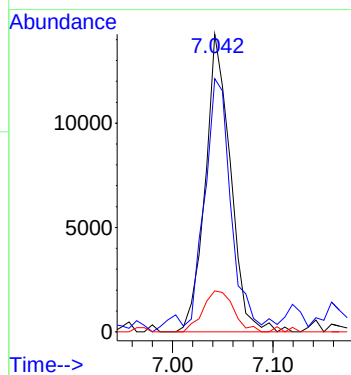
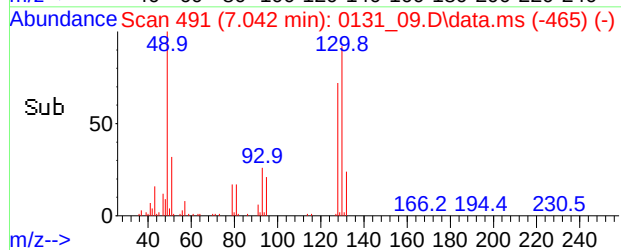




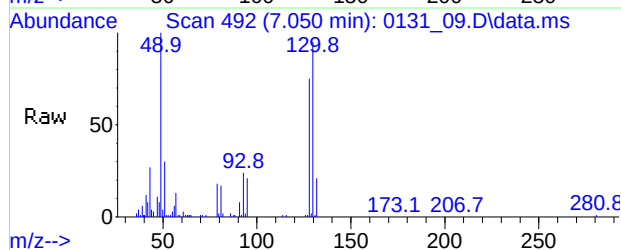
#27
Hexane
Conc: 8\$ 0.616 ppbv
RT: 7.042 min Scan# 491
Delta R.T. -0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm



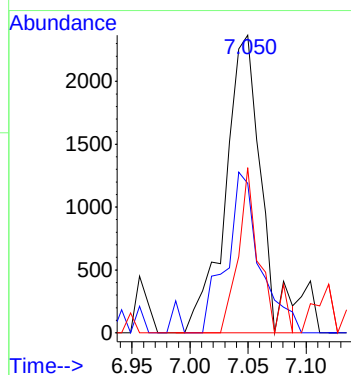
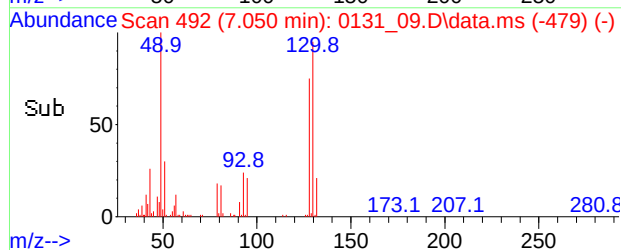
Tgt Ion: 57 Resp: 24791
Ion Ratio Lower Upper
57 100
41 92.1 73.0 109.6
86 16.7 9.8 14.8#

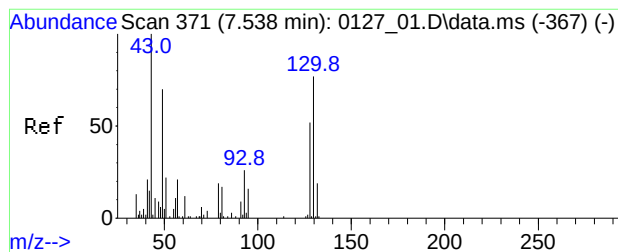


#29
Ethyl acetate
Conc: 8\$ 0.546 ppbv
RT: 7.050 min Scan# 492
Delta R.T. -0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm



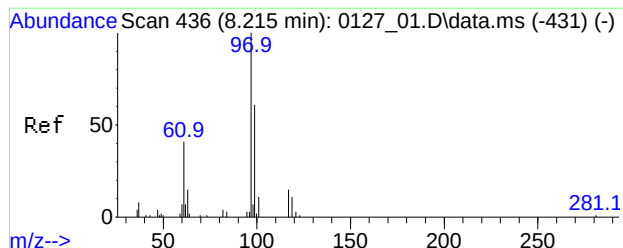
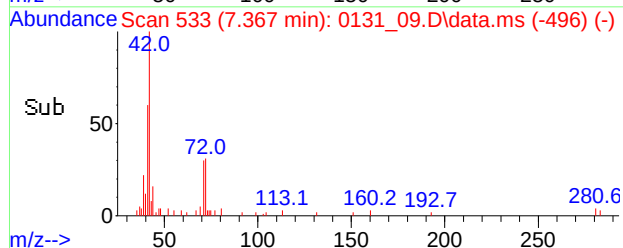
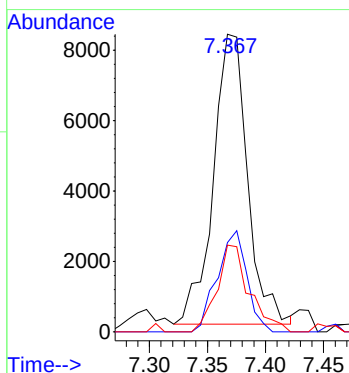
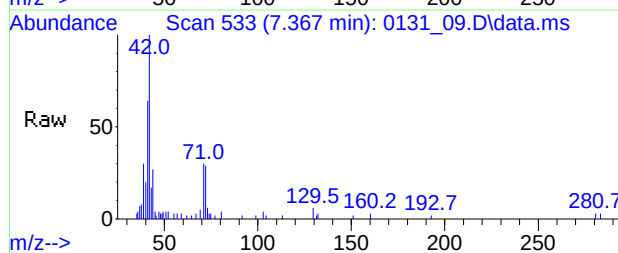
Tgt Ion: 61 Resp: 5057
Ion Ratio Lower Upper
61 100
70 50.8 62.8 94.2#
88 33.6 14.7 22.1#





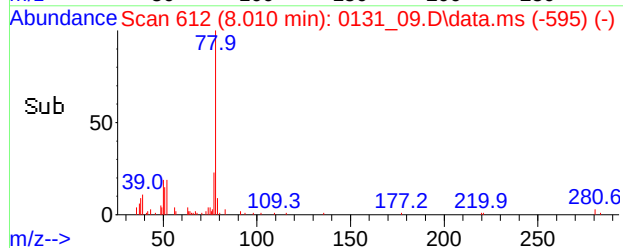
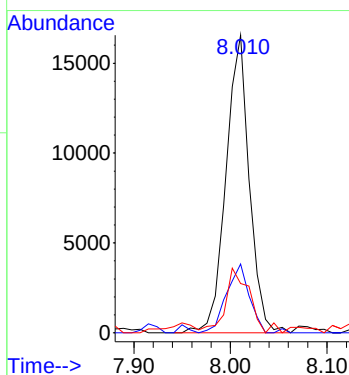
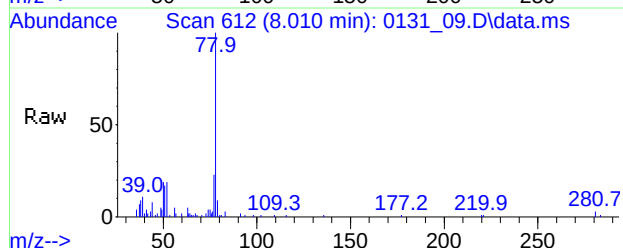
#30
Tetrahydrofuran
Conc: 8\$ 0.516 ppbv
RT: 7.367 min Scan# 533
Delta R.T. -0.016 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

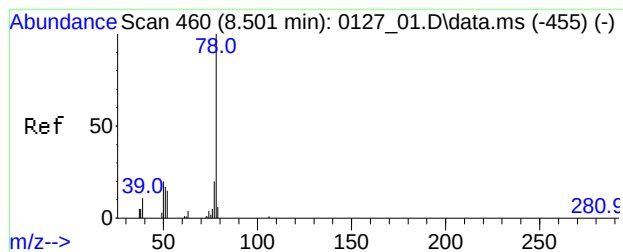
Tgt Ion: 42 Resp: 16914
Ion Ratio Lower Upper
42 100
71 30.0 29.4 44.0
72 28.2 30.2 45.4#



#33
Benzene
Conc: 8\$ 0.351 ppbv
RT: 8.010 min Scan# 612
Delta R.T. 0.008 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

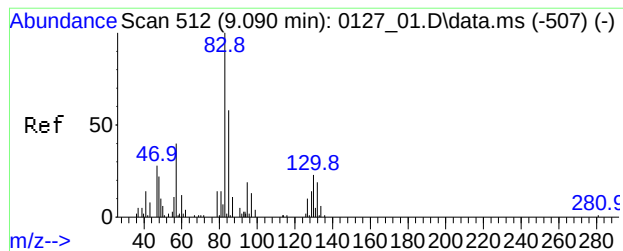
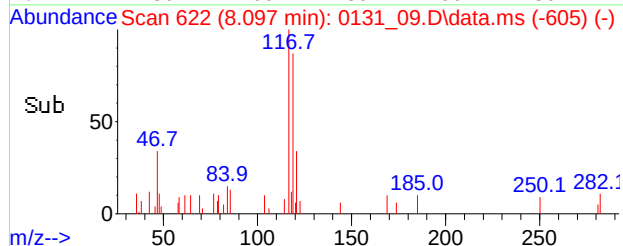
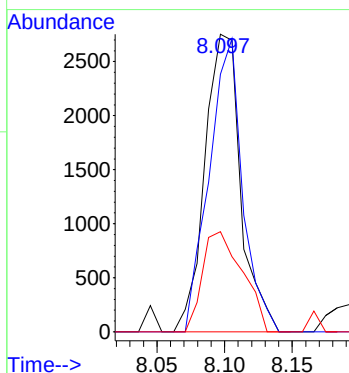
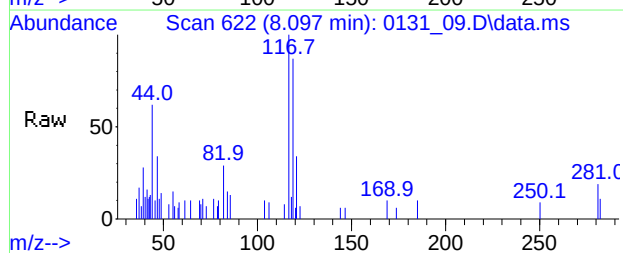
Tgt Ion: 78 Resp: 27739
Ion Ratio Lower Upper
78 100
77 22.5 17.4 26.0
51 22.5 15.8 23.6





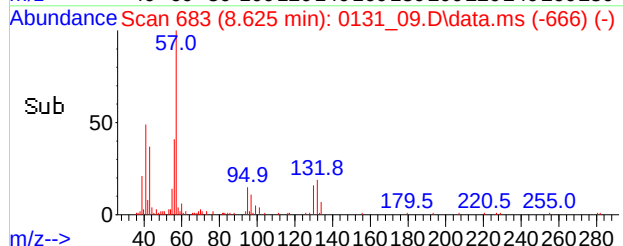
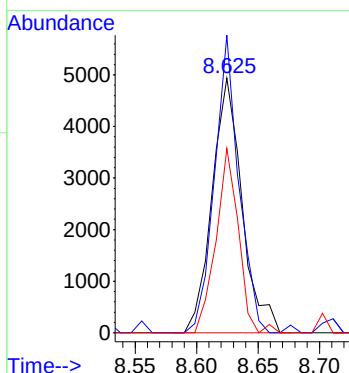
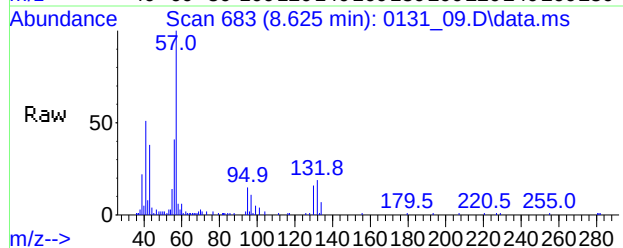
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.097 min Scan# 622
Delta R.T. -0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

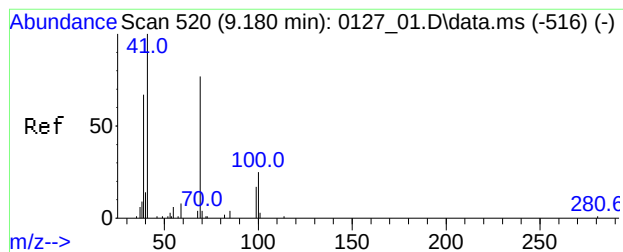
Tgt Ion:117 Resp: 5081
Ion Ratio Lower Upper
117 100
119 91.8 74.9 114.9
121 37.6 11.2 51.2



#39
Trichloroethene
Conc: 8\$ 0.159 ppbv
RT: 8.625 min Scan# 683
Delta R.T. -0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

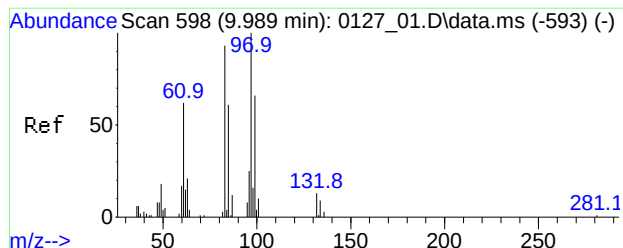
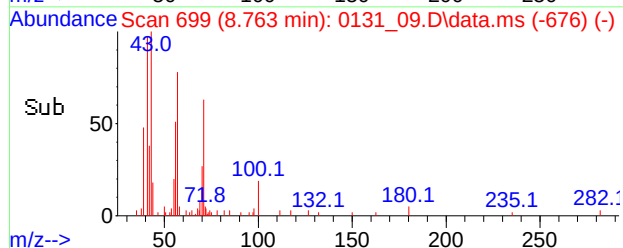
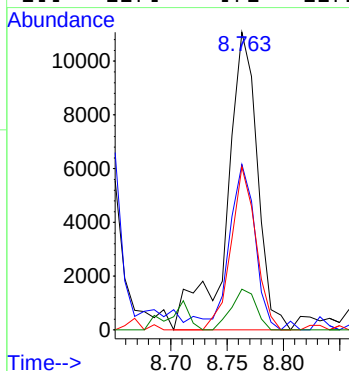
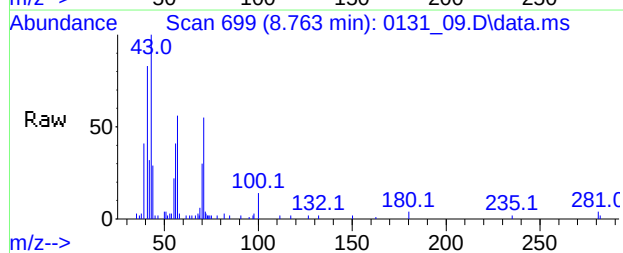
Tgt Ion:130 Resp: 8392
Ion Ratio Lower Upper
130 100
132 94.6 88.3 132.5
97 54.3 65.9 98.9#





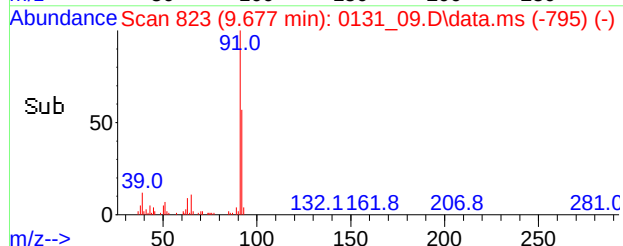
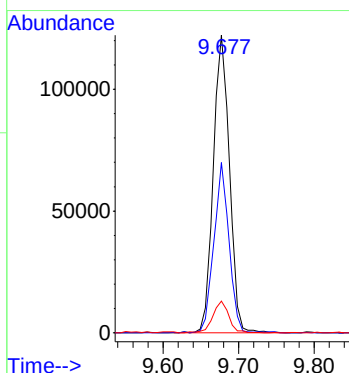
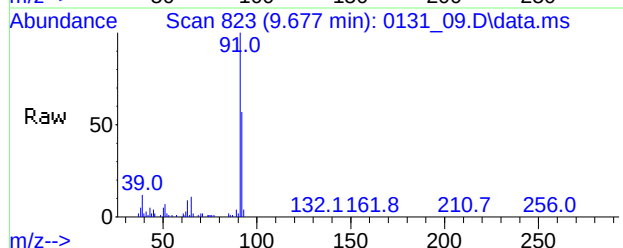
#43
Heptane
Conc: 8\$ 0.364 ppbv
RT: 8.763 min Scan# 699
Delta R.T. -0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

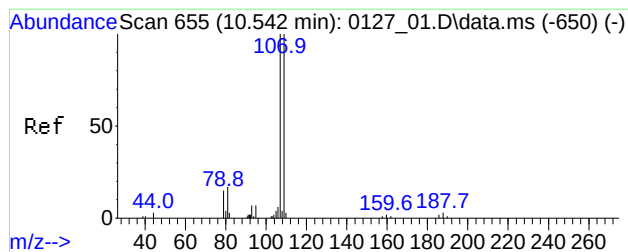
Tgt Ion: 43	Resp: 21103
Ion Ratio	Lower Upper
43 100	
57 46.4	39.4 59.0
71 44.2	44.5 66.7#
100 11.0	8.2 12.2



#48
Toluene
Conc: 8\$ 1.642 ppbv
RT: 9.677 min Scan# 823
Delta R.T. 0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

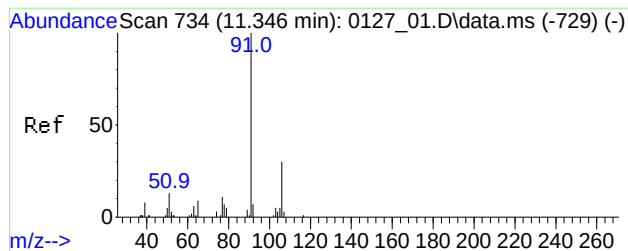
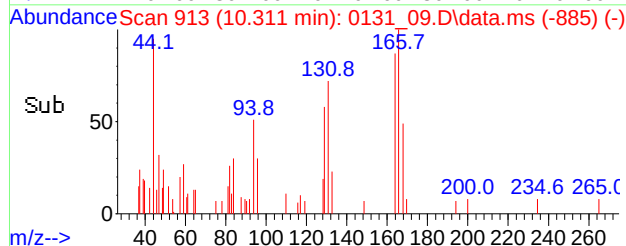
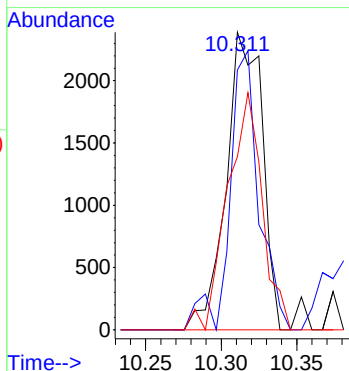
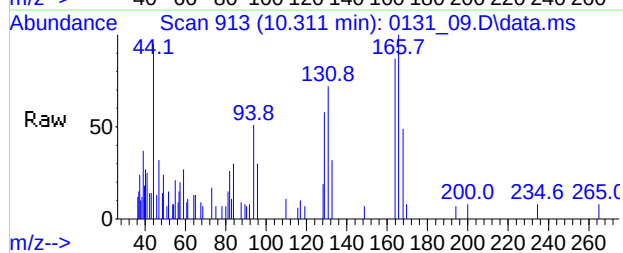
Tgt Ion: 91	Resp: 181205
Ion Ratio	Lower Upper
91 100	
92 53.4	43.8 65.8
65 10.6	10.6 16.0#





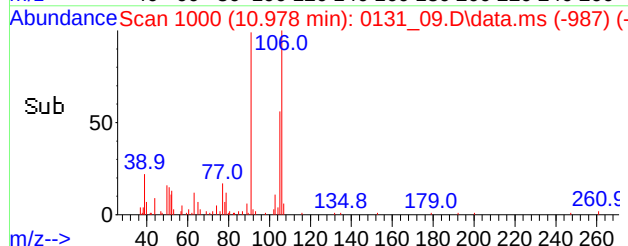
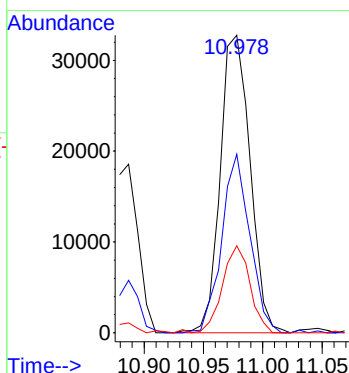
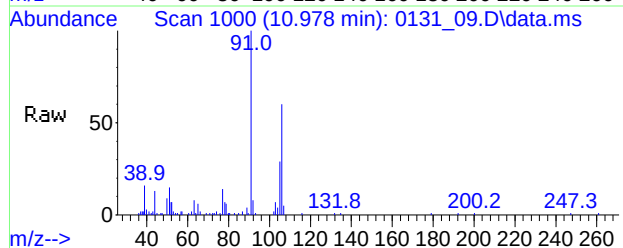
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.311 min Scan# 913
Delta R.T. -0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

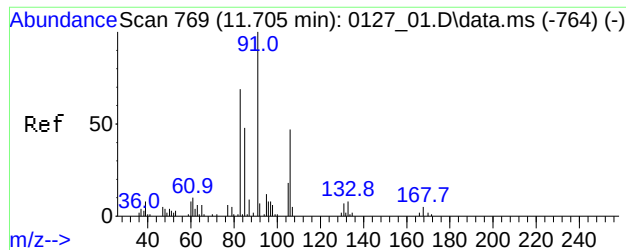
Tgt Ion: 166 Resp: 3967
Ion Ratio Lower Upper
166 100
164 76.1 63.4 95.2
129 77.0 68.4 102.6



#57
m,p-Xylene
Conc: 8\$ 0.653 ppbv
RT: 10.978 min Scan# 1000
Delta R.T. -0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

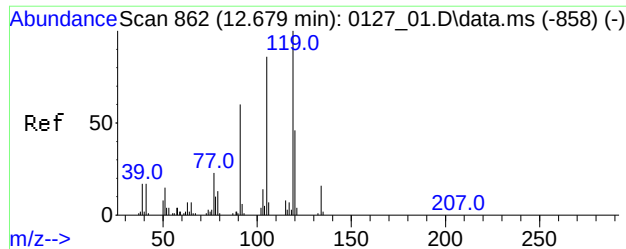
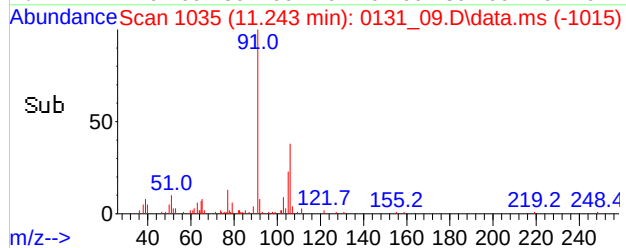
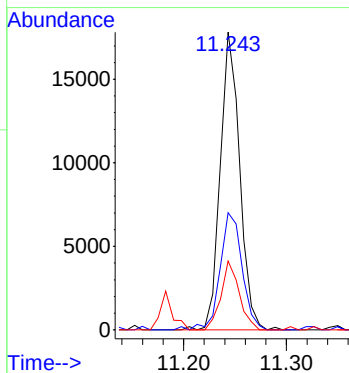
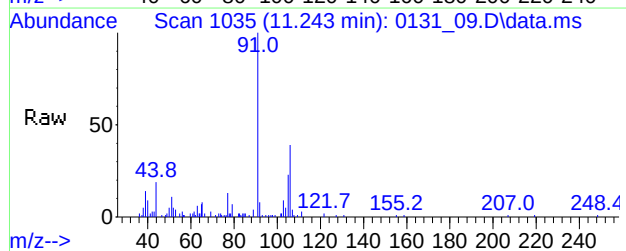
Tgt Ion: 91 Resp: 57147
Ion Ratio Lower Upper
91 100
106 56.5 0.0 0.0#
105 27.1 0.0 0.0#





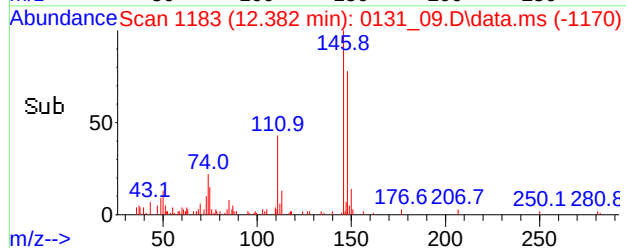
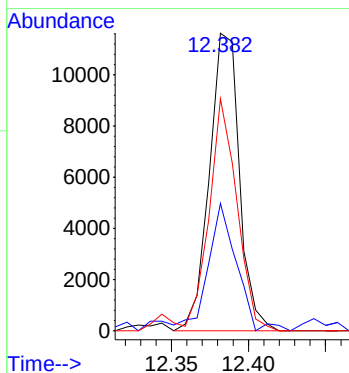
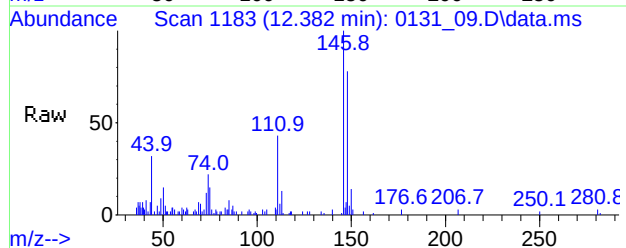
#61
o-Xylene
Conc: 8\$ 0.241 ppbv
RT: 11.243 min Scan# 1035
Delta R.T. 0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

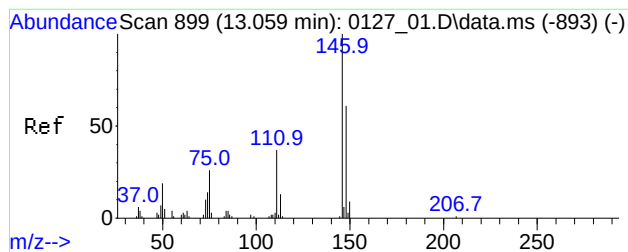
Tgt Ion: 91 Resp: 23394
Ion Ratio Lower Upper
91 100
106 44.6 31.7 47.5
105 21.7 13.4 20.0#



#70
1,4-Dichlorobenzene
Conc: 8\$ 0.162 ppbv
RT: 12.382 min Scan# 1183
Delta R.T. -0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

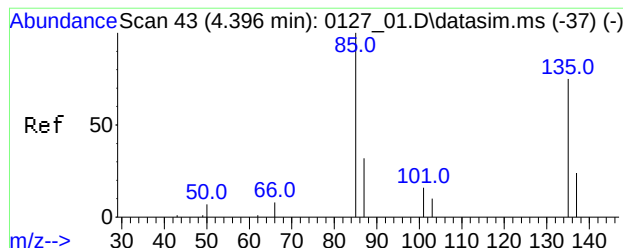
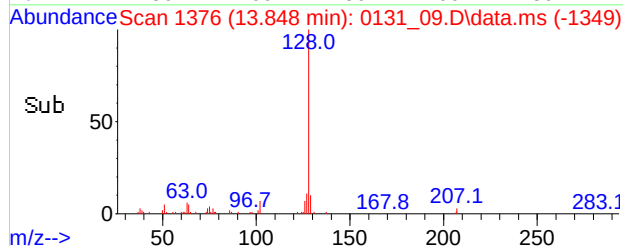
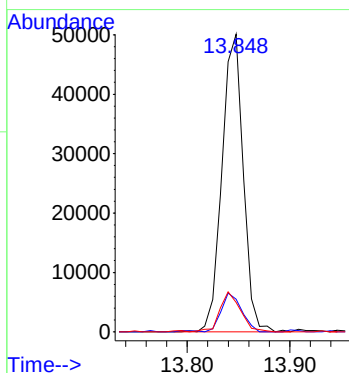
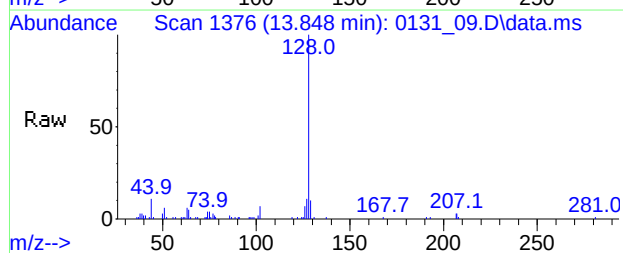
Tgt Ion: 146 Resp: 15729
Ion Ratio Lower Upper
146 100
111 40.4 0.0 0.0#
148 76.0 0.0 0.0#





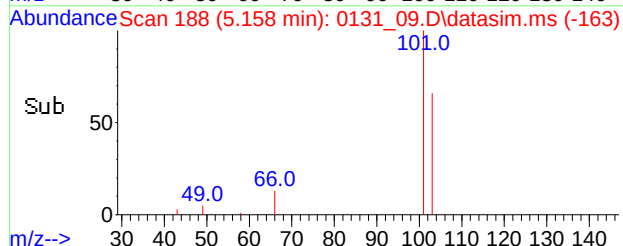
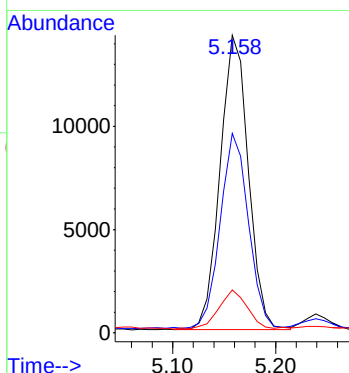
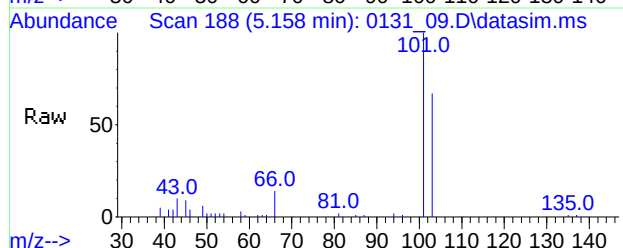
#76
Naphthalene
Conc: 8\$ 0.435 ppbv
RT: 13.848 min Scan# 1376
Delta R.T. 0.008 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

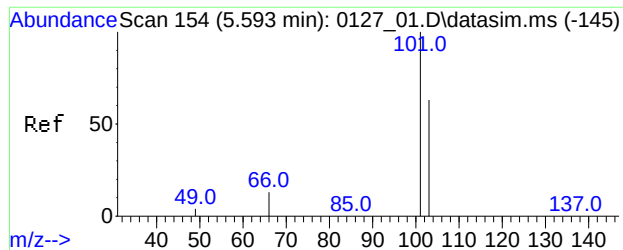
Tgt Ion: 128 Resp: 72196
Ion Ratio Lower Upper
128 100
127 12.9 0.0 0.0#
129 13.0 0.1 0.1#



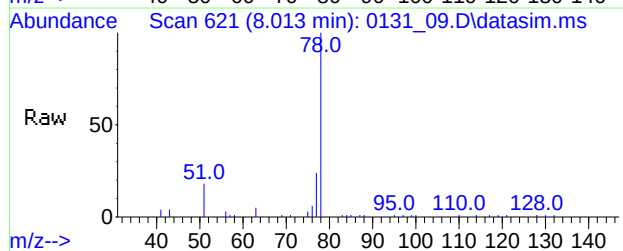
#82
Trichlorofluoromethane(sim)
Conc: 8\$ 0.202 ppbv
RT: 5.158 min Scan# 188
Delta R.T. -0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

Tgt Ion: 101 Resp: 27061
Ion Ratio Lower Upper
101 100
103 66.3 51.4 77.0
66 13.2 15.1 15.1#

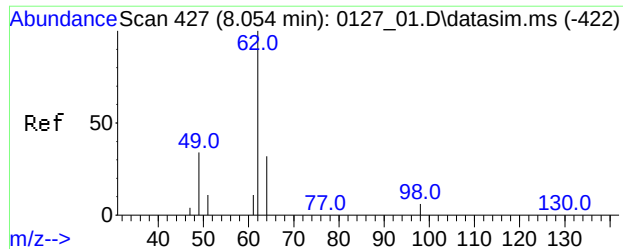
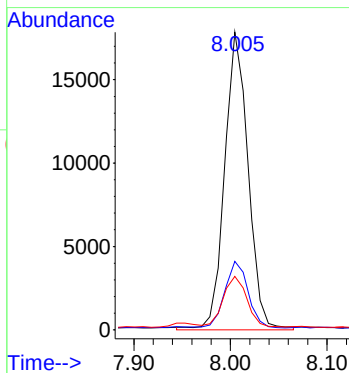
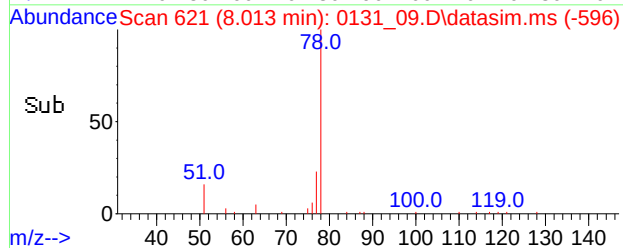




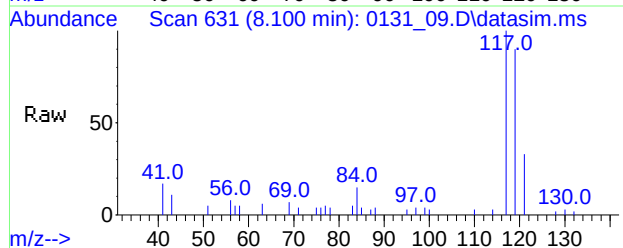
#85
Benzene(sim)
Conc: 8\$ 0.313 ppbv
RT: 8.010 min Scan# 621
Delta R.T. 0.008 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm



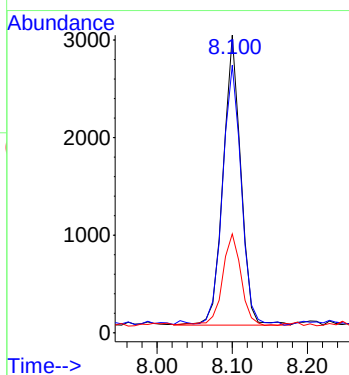
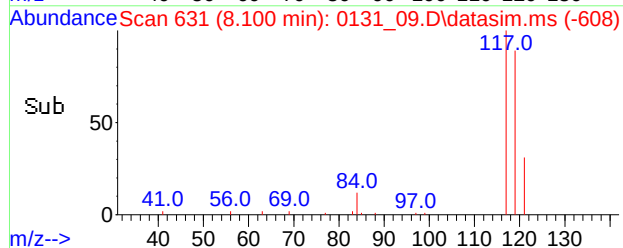
Tgt Ion: 78 Resp: 27739
Ion Ratio Lower Upper
78 100
77 22.5 17.4 26.0
51 22.5 15.8 23.6

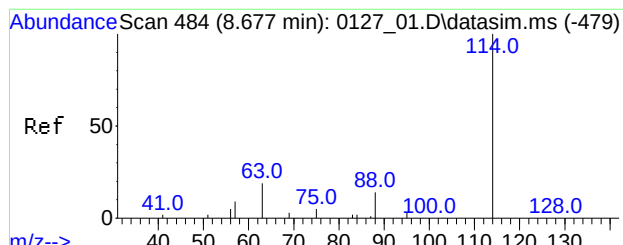


#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.085 ppbv
RT: 8.100 min Scan# 631
Delta R.T. -0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm



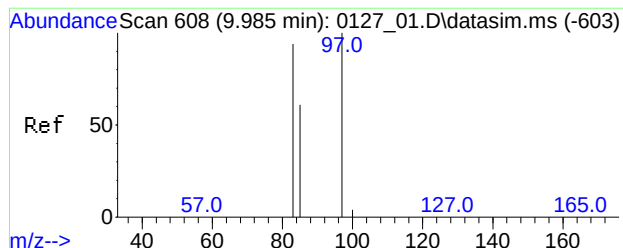
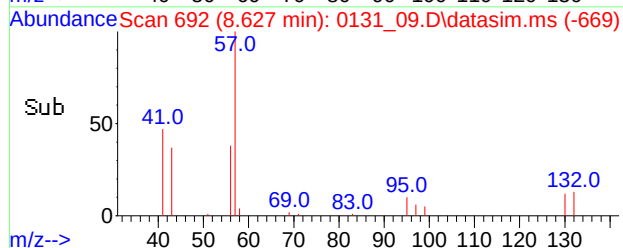
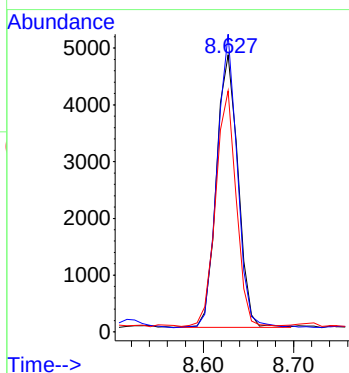
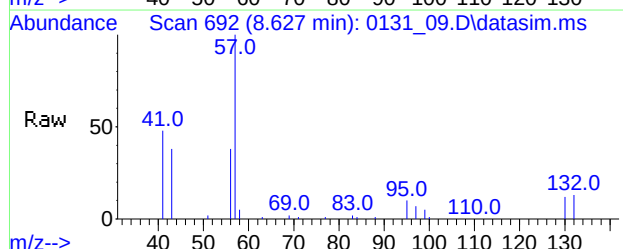
Tgt Ion: 117 Resp: 4837
Ion Ratio Lower Upper
117 100
119 95.1 76.6 115.0
121 33.7 24.2 36.4





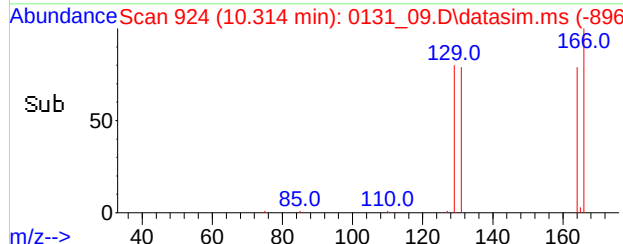
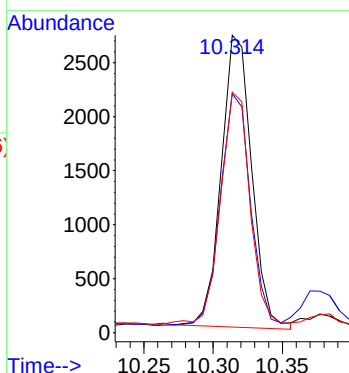
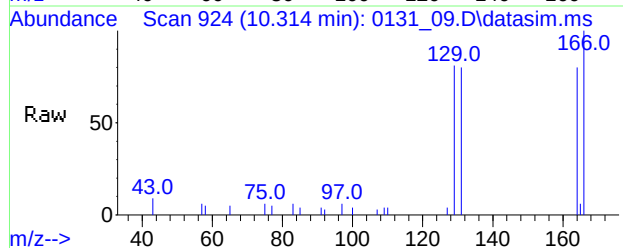
#96
Trichloroethene(sim)
Conc: 8\$ 0.142 ppbv
RT: 8.627 min Scan# 692
Delta R.T. -0.001 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

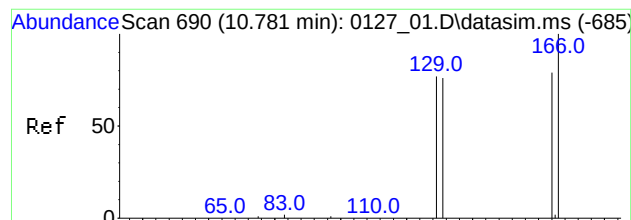
Tgt Ion:130 Resp: 8004
Ion Ratio Lower Upper
130 100
132 101.4 78.4 117.6
95 82.2 92.6 138.8#



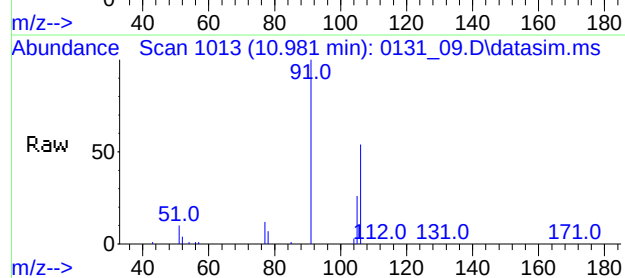
#102
Tetrachloroethene(sim)
Conc: 8\$ 0.056 ppbv
RT: 10.314 min Scan# 924
Delta R.T. -0.000 min
Lab File: 0131_09.D
Acq: 31 Jan 2025 8:01 pm

Tgt Ion:166 Resp: 4144
Ion Ratio Lower Upper
166 100
164 79.9 54.6 94.6
129 80.5 52.2 92.2

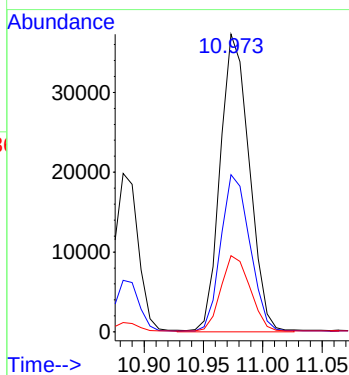
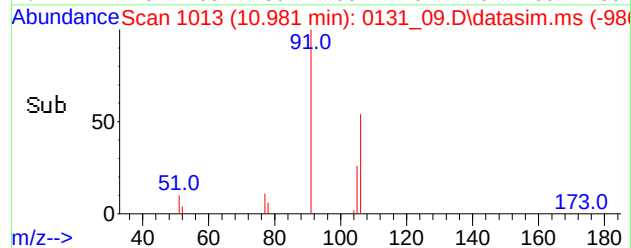




#105
 m,p-Xylene(sim)
 Conc: 8\$ 0.595 ppbv
 RT: 10.978 min Scan# 1013
 Delta R.T. -0.000 min
 Lab File: 0131_09.D
 Acq: 31 Jan 2025 8:01 pm



Tgt Ion: 91 Resp: 57147
 Ion Ratio Lower Upper
 91 100
 106 56.1 39.6 48.4#
 105 27.4 16.6 24.8#



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	FPMGROUP	Lab:	Phoenix Env. Labs	CS55737 LCS	
SDG No.:	GCS55361	Lab Sample ID:	CS55737 LCS		
Canister:	LCS	Lab File ID:	0203_04.D		
Instrument:	CHEM24	Column:	RTX-1	Date Received:	02/03/25
Purge Volume	200	(cc)		Date Analyzed:	02/03/25
Matrix:	AIR	Dilution Factor:	1		

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	11.8		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	11.1		0.202	0.202	r
74-87-3	Chloromethane	11.0		0.485	0.485	r
76-14-2	1,2-Dichlorotetrafluoroethane	10.3		0.143	0.143	r
75-01-4	Vinyl Chloride	10.5		0.078	0.078	r
106-99-0	1,3-Butadiene	10.2		0.452	0.452	r
74-83-9	Bromomethane	9.34		0.258	0.258	r
75-00-3	Chloroethane	9.94		0.379	0.379	r
64-17-5	Ethanol	6.49		0.531	0.531	r
67-64-1	Acetone	11.0		0.421	0.421	r
75-69-4	Trichlorofluoromethane	11.5		0.178	0.178	r
67-63-0	Isopropylalcohol	11.2		0.407	0.407	r
107-13-1	Acrylonitrile	11.7		0.461	0.461	r
75-35-4	1,1-Dichloroethene	11.2		0.051	0.051	r
75-09-2	Methylene Chloride	10.8		0.863	0.863	r
75-15-0	Carbon Disulfide	11.5		0.321	0.321	r
76-13-1	Trichlorotrifluoroethane	11.1		0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene	11.1		0.252	0.252	r
75-34-3	1,1-Dichloroethane	11.4		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	10.7		0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	11.2		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	11.0		0.051	0.051	r
110-54-3	Hexane	11.7		0.284	0.284	r
67-66-3	Chloroform	11.1		0.205	0.205	r
141-78-6	Ethyl acetate	13.8		0.278	0.278	r
109-99-9	Tetrahydrofuran	11.9		0.339	0.339	r
107-06-2	1,2-Dichloroethane	10.7		0.247	0.247	r
71-55-6	1,1,1-Trichloroethane	11.3		0.183	0.183	r
71-43-2	Benzene	11.3		0.313	0.313	r
56-23-5	Carbon Tetrachloride	11.6		0.032	0.032	r
110-82-7	Cyclohexane	10.6		0.291	0.291	r
78-87-5	1,2-dichloropropane	11.3		0.217	0.217	r
75-27-4	Bromodichloromethane	10.9		0.149	0.149	r
79-01-6	Trichloroethene	10.6		0.037	0.037	r
540-84-1	2,2,4-trimethylpentane	11.1		0.215	0.215	r
123-91-1	1,4-Dioxane	8.57		0.278	0.278	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CS55737 LCS

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CS55737 LCS
Canister:	LCS	Lab File ID:	0203_04.D
Instrument:	CHEM24	Column:	RTX-1
		Date Received:	02/03/25
Purge Volume	200 (cc)	Date Analyzed:	02/03/25
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
142-82-5	Heptane	11.5		0.244	0.244	r
10061-01-5	cis-1,3-Dichloropropene	11.3		0.220	0.220	r
108-10-1	4-Methyl-2-pentanone(MIBK)	10.3		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	11.0		0.220	0.220	r
79-00-5	1,1,2-Trichloroethane	11.0		0.183	0.183	r
108-88-3	Toluene	11.0		0.266	0.266	r
124-48-1	Dibromochloromethane	11.6		0.117	0.117	r
591-78-6	2-Hexanone(MBK)	10.1		0.244	0.244	r
106-93-4	1,2-Dibromoethane(EDB)	10.8		0.130	0.130	r
127-18-4	Tetrachloroethene	10.6		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	10.8		0.146	0.146	r
108-90-7	Chlorobenzene	10.7		0.217	0.217	r
100-41-4	Ethylbenzene	10.8		0.230	0.230	r
179601-23-1	m,p-Xylene	22.1		0.230	0.230	r
75-25-2	Bromoform	11.7		0.097	0.097	r
100-42-5	Styrene	11.0		0.235	0.235	r
79-34-5	1,1,2,2-Tetrachloroethane	11.0		0.146	0.146	r
95-47-6	o-Xylene	10.5		0.230	0.230	r
98-82-8	Isopropylbenzene	10.5		0.204	0.204	r
622-96-8	4-Ethyltoluene	11.2		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	10.5		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	10.8		0.204	0.204	r
100-44-7	Benzyl chloride	11.3		0.193	0.193	r
541-73-1	1,3-Dichlorobenzene	11.7		0.166	0.166	r
106-46-7	1,4-Dichlorobenzene	11.8		0.166	0.166	r
135-98-8	sec-Butylbenzene	10.4		0.182	0.182	r
99-87-6	4-Isopropyltoluene	10.3		0.182	0.182	r
95-50-1	1,2-Dichlorobenzene	11.7		0.166	0.166	r
104-51-8	n-Butylbenzene	11.2		0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene	8.12		0.135	0.135	r
91-20-3	Naphthalene	7.70		0.200	0.200	r
87-68-3	Hexachlorobutadiene	9.84		0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\02FEB\03\
 Data File : 0203_04.D
 Acq On : 3 Feb 2025 3:42 pm
 Operator : Keith
 Client ID : CS55737 LCS
 Lab ID : CS55737 LCS
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 07:48:41 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 08:37:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	256830	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	918925	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	478445	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	255116	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	918925	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	478445	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.981	95	590871	10.117	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 101.20%	

Target Compounds

						Qvalue
2) Propylene	4.079	41	273168	11.768	ppbv	97
3) Dichlorodifluoromethane	4.145	85	866439	11.111	ppbv	97
4) Chloromethane	4.294	50	311128	10.949	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.385	85	813869	10.292	ppbv#	83
6) Vinyl Chloride	4.493	62	305352	10.483	ppbv	98
7) 1,3-Butadiene	4.618	54	235354	10.178	ppbv	94
8) Bromomethane	4.850	94	287536	9.340	ppbv	100
9) Chloroethane	4.991	64	127889	9.942	ppbv	100
11) Ethanol	5.065	45	91469	6.491	ppbv	95
12) Acetone	5.437	43	525440	10.987	ppbv	95
13) Trichlorofluoromethane	5.584	101	961316	11.526	ppbv	93
14) Isopropylalcohol	5.609	45	621523	11.215	ppbv#	92
15) Acrylonitrile	5.772	53	233023	11.720	ppbv	97
16) 1,1-Dichloroethene	6.034	61	527146	11.170	ppbv	96
17) Methylene Chloride	6.112	49	407217	10.804	ppbv	90
20) Carbon Disulfide	6.344	76	867376	11.535	ppbv	99
21) Trichlorotrifluoroethane	6.284	101	701074	11.129	ppbv	91
22) Trans-1,2-Dichloroethene	6.737	61	481311	11.062	ppbv	93
23) 1,1-Dichloroethane	6.875	63	599327	11.416	ppbv	98
24) Methyl tert-butyl ethe...	6.891	73	773850	10.701	ppbv	91
25) Methyl Ethyl Ketone	7.102	43	683880	11.198	ppbv	95
26) Cis-1,2-Dichloroethene	7.402	61	453357	11.030	ppbv	93
27) Hexane	7.523	57	475493	11.719	ppbv#	94
28) Chloroform	7.588	83	690456	11.135	ppbv	98
29) Ethyl acetate	7.499	61	130607	13.784	ppbv#	87
30) Tetrahydrofuran	7.840	42	343247	11.927	ppbv#	89
31) 1,2-Dichloroethane	8.059	62	471760	10.712	ppbv	96
32) 1,1,1-Trichloroethane	8.221	97	733939	11.278	ppbv	96
33) Benzene	8.502	78	944892	11.293	ppbv	96
34) Carbon Tetrachloride	8.588	117	805920	11.556	ppbv	100
35) Cyclohexane	8.666	84	340361	10.630	ppbv#	81
37) 1,2-dichloropropane	8.978	63	402876	11.276	ppbv	97
38) Bromodichloromethane	9.090	83	762679	10.866	ppbv	98
39) Trichloroethene	9.107	130	468388	10.607	ppbv	96
40) 2,2,4-trimethylpentane	9.116	57	1527689	11.053	ppbv	98
41) 1,4-Dioxane	9.090	88	165417	8.571	ppbv#	88
43) Heptane	9.246	43	637946	11.475	ppbv#	91
44) cis-1,3-Dichloropropene	9.589	75	612690	11.265	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.589	43	783784	10.288	ppbv	96
46) trans-1,3-Dichloropropene	9.877	75	482997	10.989	ppbv	95
47) 1,1,2-Trichloroethane	9.997	97	430456	11.026	ppbv	97
48) Toluene	10.159	91	1204369	11.024	ppbv	99

Data Path : H:\AIR2025\CHEM24\02FEB\03\
 Data File : 0203_04.D
 Acq On : 3 Feb 2025 3:42 pm
 Operator : Keith
 Client ID : CS55737 LCS
 Lab ID : CS55737 LCS
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 07:48:41 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 08:37:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.412	129	913310	11.635	ppbv	98
50) 2-Hexanone(MBK)	10.264	43	668747	10.102	ppbv	94
51) 1,2-Dibromoethane(EDB)	10.553	107	720258	10.753	ppbv	98
52) Tetrachloroethene	10.799	166	645024	10.569	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.162	131	571166	10.779	ppbv	98
55) Chlorobenzene	11.177	112	968888	10.656	ppbv	99
56) Ethylbenzene	11.367	91	1548148	10.813	ppbv	98
57) m, p-Xylene	11.458	91	2376735	22.096	ppbv	97
58) Bromoform	11.541	173	890947	11.666	ppbv	100
59) Styrene	11.663	104	850119	11.026	ppbv	95
60) 1,1,2,2-Tetrachloroethane	11.723	83	926738	11.020	ppbv	93
61) o-Xylene	11.723	91	1214678	10.522	ppbv	96
64) Isopropylbenzene	12.042	105	1670544	10.464	ppbv	99
66) 4-Ethyltoluene	12.416	105	1724147	11.228	ppbv	98
67) 1,3,5-Trimethylbenzene	12.455	105	1333111	10.471	ppbv	92
68) 1,2,4-Trimethylbenzene	12.711	105	1420519	10.748	ppbv	97
70) Benzyl chloride	12.805	91	917437	11.316	ppbv	97
71) 1,3-Dichlorobenzene	12.828	146	929792	11.647	ppbv	98
72) 1,4-Dichlorobenzene	12.867	146	844988	11.751	ppbv	98
73) sec-Butylbenzene	12.875	105	2043580	10.381	ppbv	97
74) 4-Isopropyltoluene	12.960	119	1844538	10.321	ppbv	97
75) 1,2-Dichlorobenzene	13.084	146	913628	11.687	ppbv	96
76) n-Butylbenzene	13.224	91	1519485	11.235	ppbv	98
77) 1,2,4-Trichlorobenzene	14.282	180	338490	8.118	ppbv	97
78) Naphthalene	14.383	128	807716	7.701	ppbv#	99
79) Hexachlorobutadiene	14.632	225	787335	9.843	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.385	85	812539	9.649	ppbv#	83
82] Vinyl Chloride(sim)	4.496	62	320391	9.903	ppbv	98
83] Bromomethane(sim)	4.850	94	287536	8.355	ppbv	99
84] Trichlorofluoromethane...	5.581	101	929494	10.671	ppbv#	99
85] 1,2-Dichloroethane(sim)	8.059	62	471760	10.299	ppbv	96
86] 1,1,1-Trichloroethane(...	8.224	97	771482	11.114	ppbv#	97
87] Benzene(sim)	8.502	78	944892	10.666	ppbv	96
88] Carbon Tetrachloride(sim)	8.591	117	813218	11.974	ppbv	99
89] 1,1-Dichloroethene(sim)	6.034	61	527146	10.389	ppbv	96
90] Trichlorotrifluoroetha...	6.287	101	717988	10.635	ppbv#	95
91] Trans-1,2-Dichloroethe...	6.737	61	481311	10.363	ppbv	93
92] 1,1-Dichloroethane(sim)	6.869	63	635944	11.030	ppbv	97
93] Cis-1,2-Dichloroethene...	7.402	61	453357	10.075	ppbv	93
94] Chloroform(sim)	7.591	83	717622	10.690	ppbv	97
96] 1,2-dichloropropane(sim)	8.972	63	425541	10.795	ppbv	92
97] Bromodichloromethane(sim)	9.090	83	762679	10.660	ppbv	99
98] Trichloroethene(sim)	9.110	130	476783	9.948	ppbv	93
99] 1,4-Dioxane(sim)	9.090	88	165417	8.566	ppbv#	88
100] cis-1,3-Dichloropropen...	9.592	75	648159	11.405	ppbv	97
101] 1,1,2-Trichloroethane(...	9.997	97	430456	10.588	ppbv	97
102] Dibromochloromethane(sim)	10.408	129	895735	11.830	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.553	107	720146	10.565	ppbv	98
104] Tetrachloroethene(sim)	10.795	166	639578	8.871	ppbv	99
106] Bromoform(sim)	11.537	173	843795	11.838	ppbv	99
107] m, p-Xylene(sim)	11.458	91	2380873	18.273	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.719	83	956431	10.256	ppbv	97
111] Benzyl chloride(sim)	12.805	91	917437	7.796	ppbv	97
112] 1,3-Dichlorobenzene(sim)	12.823	146	1034155	13.632	ppbv	97
113] 1,4-Dichlorobenzene(sim)	12.867	146	844531	14.152	ppbv	98

Data Path : H:\AIR2025\CHEM24\02FEB\03\
Data File : 0203_04.D
Acq On : 3 Feb 2025 3:42 pm
Operator : Keith
Client ID : CS55737 LCS
Lab ID : CS55737 LCS
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 07:48:41 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 08:37:36 2025
Response via : Initial Calibration

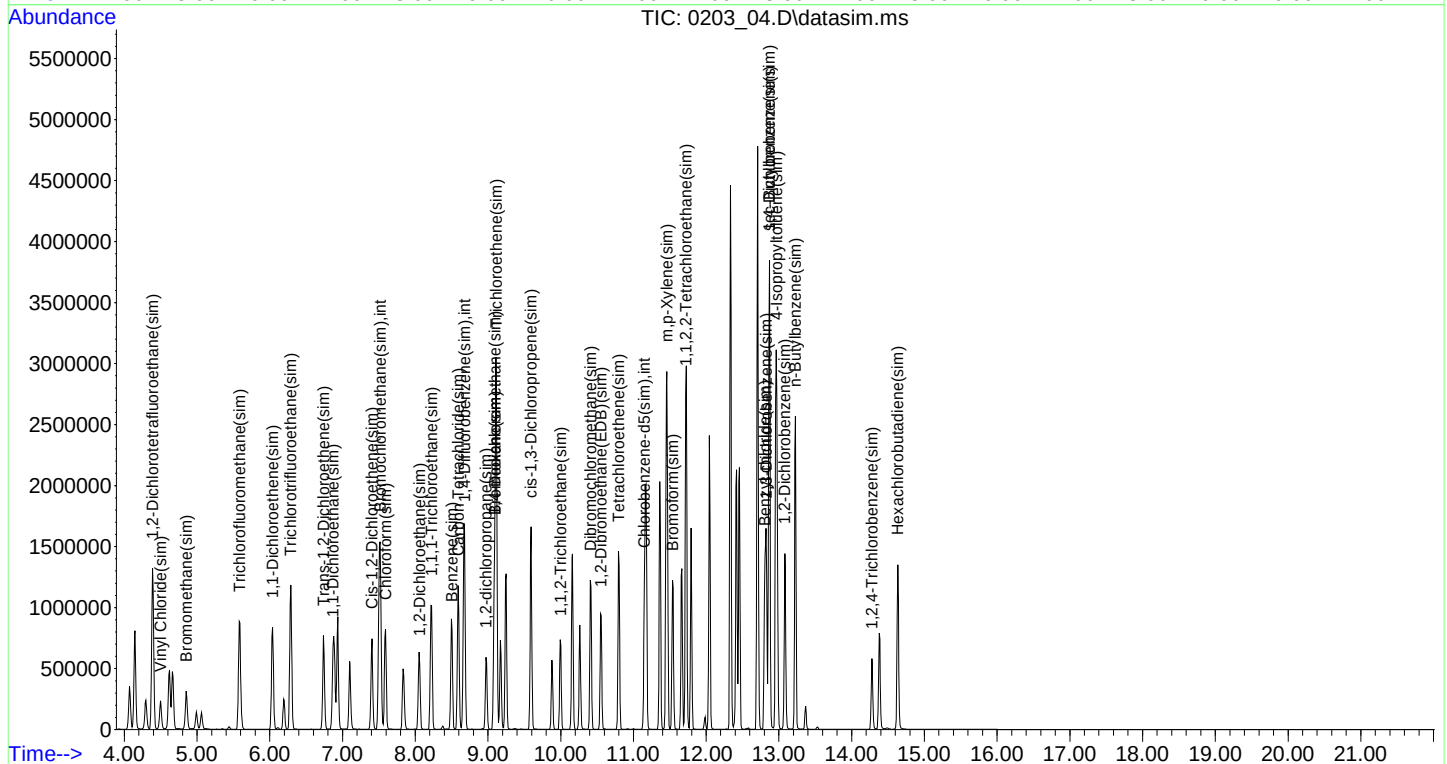
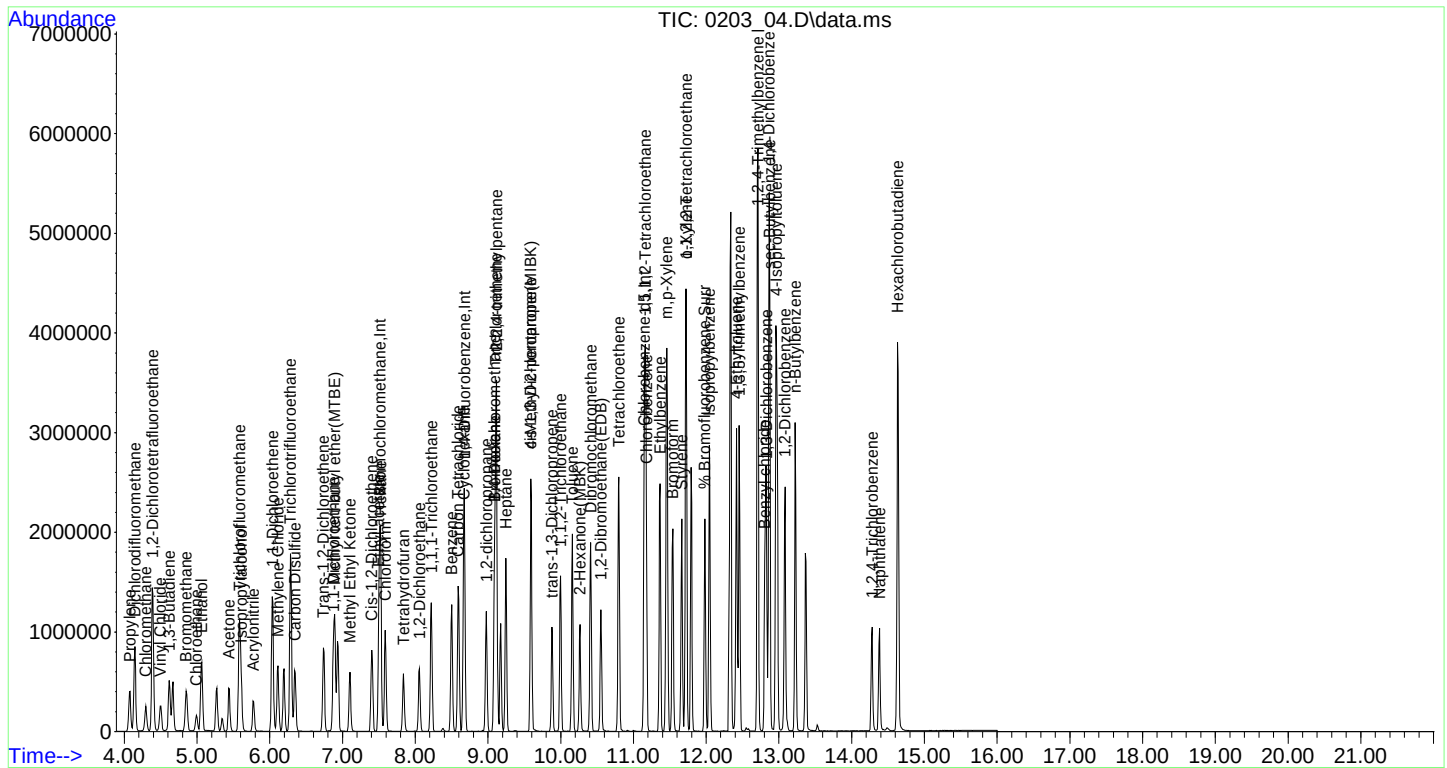
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114]	sec-Butylbenzene(sim)	12.870	105	2168521	9.390	ppbv	98
115]	4-Isopropyltoluene(sim)	12.960	119	1845441	9.851	ppbv	97
116]	1,2-Dichlorobenzene(sim)	13.080	146	990430	12.397	ppbv	97
117]	n-Butylbenzene(sim)	13.224	91	1519485	13.736	ppbv	98
118]	1,2,4-Trichlorobenzene...	14.277	180	364771	3.243	ppbv	100
119]	Hexachlorobutadiene(sim)	14.632	225	786059	8.840	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

```
Data Path : H:\AIR2025\CHEM24\02FEB\03\  
Data File : 0203_04.D  
Acq On : 3 Feb 2025 3:42 pm  
Operator : Keith  
Client ID : CS55737 LCS  
Lab ID : CS55737 LCS  
ALS Vial : 4 Sample Multiplier: 1
```

Quant Time: Feb 04 07:48:41 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri Jan 31 08:37:36 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55737 0.5X</u>
Canister:	<u>49207</u>	Lab File ID:	<u>0203_11.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>02/03/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>02/03/25</u>
		Dilution Factor:	<u>0.5</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.250	U	0.250	0.250	r
75-71-8	Dichlorodifluoromethane	0.477		0.250	0.250	r
74-87-3	Chloromethane	0.586		0.250	0.250	r
106-99-0	1,3-Butadiene	0.100	U	0.100	0.100	r
75-00-3	Chloroethane	0.250	U	0.250	0.250	r
64-17-5	Ethanol	16.0	S	0.375	0.375	r
67-64-1	Acetone	3.30	S	0.375	0.375	r
75-69-4	Trichlorofluoromethane	0.252		0.250	0.250	r
67-63-0	Isopropylalcohol	2.10	S	0.375	0.375	r
107-13-1	Acrylonitrile	0.100	U	0.100	0.100	r
75-09-2	Methylene Chloride	1.50	U	1.50	1.50	r
75-15-0	Carbon Disulfide	0.250	U	0.250	0.250	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.250	U	0.250	0.250	r
78-93-3	Methyl Ethyl Ketone	0.225	U	0.225	0.225	r
110-54-3	Hexane	0.225	U	0.225	0.225	r
141-78-6	Ethyl acetate	0.250	U	0.250	0.250	r
109-99-9	Tetrahydrofuran	0.250	U	0.250	0.250	r
71-43-2	Benzene	0.221		0.100	0.100	r
110-82-7	Cyclohexane	0.250	U	0.250	0.250	r
540-84-1	2,2,4-trimethylpentane	0.107	U	0.107	0.107	
142-82-5	Heptane	0.250	U	0.250	0.250	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.250	U	0.250	0.250	r
10061-02-6	trans-1,3-Dichloropropene	0.250	U	0.250	0.250	r
108-88-3	Toluene	1.44		0.250	0.250	r
591-78-6	2-Hexanone(MBK)	0.250	U	0.250	0.250	r
630-20-6	1,1,1,2-Tetrachloroethane	0.025	U	0.025	0.025	r
108-90-7	Chlorobenzene	0.100	U	0.100	0.100	r
100-41-4	Ethylbenzene	0.250	U	0.250	0.250	r
100-42-5	Styrene	0.100	U	0.100	0.100	r
95-47-6	o-Xylene	0.250	U	0.250	0.250	r
98-82-8	Isopropylbenzene	0.250	U	0.250	0.250	r
622-96-8	4-Ethyltoluene	0.250	U	0.250	0.250	r
108-67-8	1,3,5-Trimethylbenzene	0.250	U	0.250	0.250	r
95-63-6	1,2,4-Trimethylbenzene	0.250	U	0.250	0.250	r
91-20-3	Naphthalene	0.050	U	0.055	0.050	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.250	U	0.250	0.250	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CS55737 QC 0.5 X

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CS55737 0.5X
Canister:	49207	Lab File ID:	0203_11.D
Instrument:	CHEM24	Column:	RTX-1
		Date Received:	02/03/25
Purge Volume	200 (cc)	Date Analyzed:	02/03/25
Matrix:	AIR	Dilution Factor:	0.5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.010	U	0.010	0.010	r
74-83-9	Bromomethane(sim)	0.070	U	0.070	0.070	r
107-06-2	1,2-Dichloroethane(sim)	0.010	U	0.010	0.010	r
71-55-6	1,1,1-Trichloroethane(sim)	0.250	U	0.250	0.250	r
56-23-5	Carbon Tetrachloride(sim)	0.080		0.043	0.043	r
75-35-4	1,1-Dichloroethene(sim)	0.010	U	0.010	0.010	r
76-13-1	Trichlorotrifluoroethane(sim)	0.250	U	0.250	0.250	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
75-34-3	1,1-Dichloroethane(sim)	0.075	U	0.075	0.075	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
67-66-3	Chloroform(sim)	0.100	U	0.100	0.100	r
78-87-5	1,2-dichloropropane(sim)	0.010	U	0.010	0.010	r
75-27-4	Bromodichloromethane(sim)	0.010	U	0.010	0.010	r
79-01-6	Trichloroethene(sim)	0.025	U	0.025	0.025	r
123-91-1	1,4-Dioxane(sim)	0.025	U	0.025	0.025	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.050	U	0.050	0.050	r
79-00-5	1,1,2-Trichloroethane(sim)	0.010	U	0.010	0.010	r
124-48-1	Dibromochloromethane(sim)	0.010	U	0.010	0.010	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.010	U	0.010	0.010	r
127-18-4	Tetrachloroethene(sim)	0.063		0.050	0.050	r
75-25-2	Bromoform(sim)	0.025	U	0.025	0.025	r
179601-23-1	m,p-Xylene(sim)	0.500	U	0.500	0.500	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.010	U	0.010	0.010	r
100-44-7	Benzyl chloride(sim)	0.100	U	0.100	0.100	r
541-73-1	1,3-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
106-46-7	1,4-Dichlorobenzene(sim)	0.040	U	0.040	0.040	r
135-98-8	sec-Butylbenzene(sim)	0.250	U	0.250	0.250	r
99-87-6	4-Isopropyltoluene(sim)	0.250	U	0.250	0.250	r
95-50-1	1,2-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
104-51-8	n-Butylbenzene(sim)	0.250	U	0.250	0.250	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.010	U	0.010	0.010	r
87-68-3	Hexachlorobutadiene(sim)	0.010	U	0.010	0.010	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\02FEB\03\
 Data File : 0203_11.D
 Acq On : 3 Feb 2025 7:56 pm
 Operator : Keith
 Client ID : CS55737 QC 0.5 X
 Lab ID : CS55737 QC
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 04 07:53:34 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 08:37:36 2025
 Response via : Initial Calibration

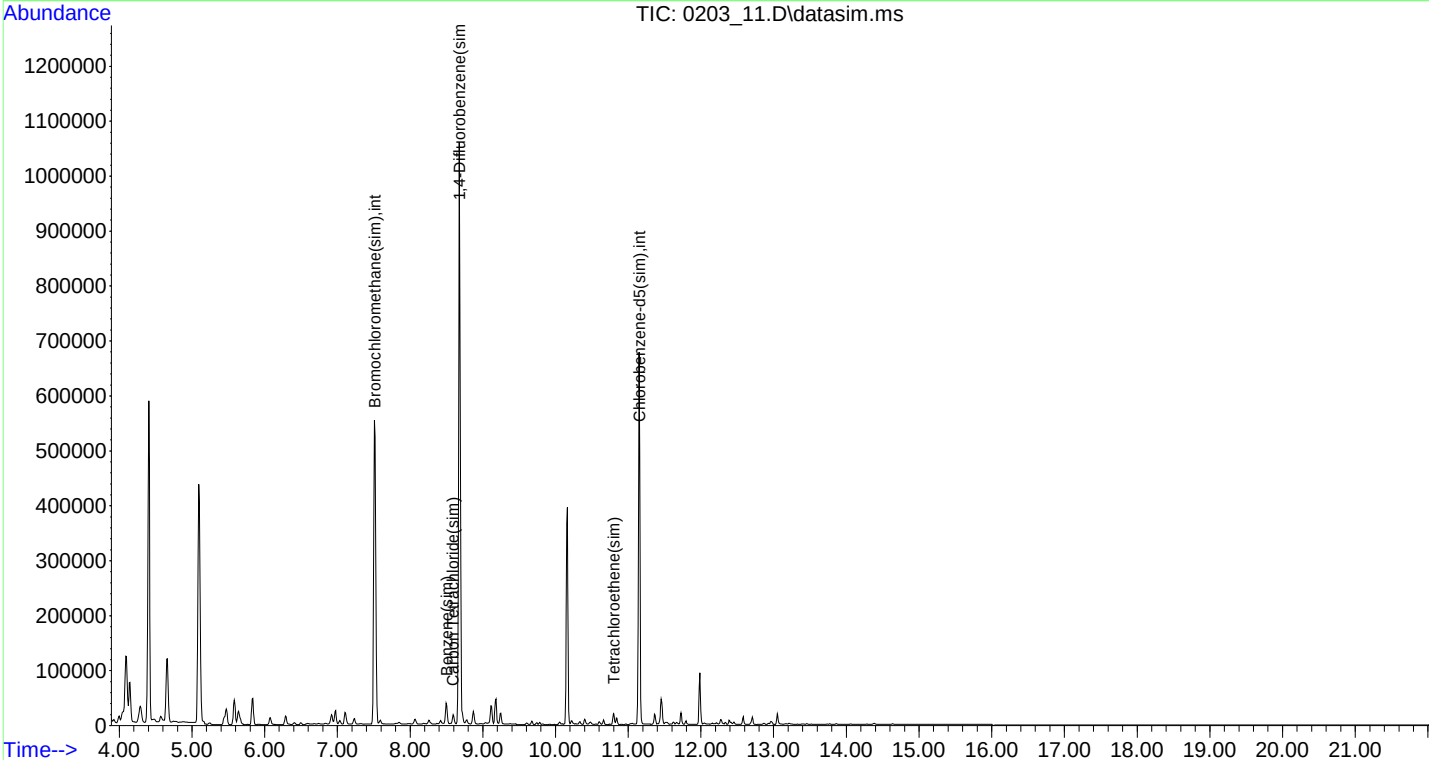
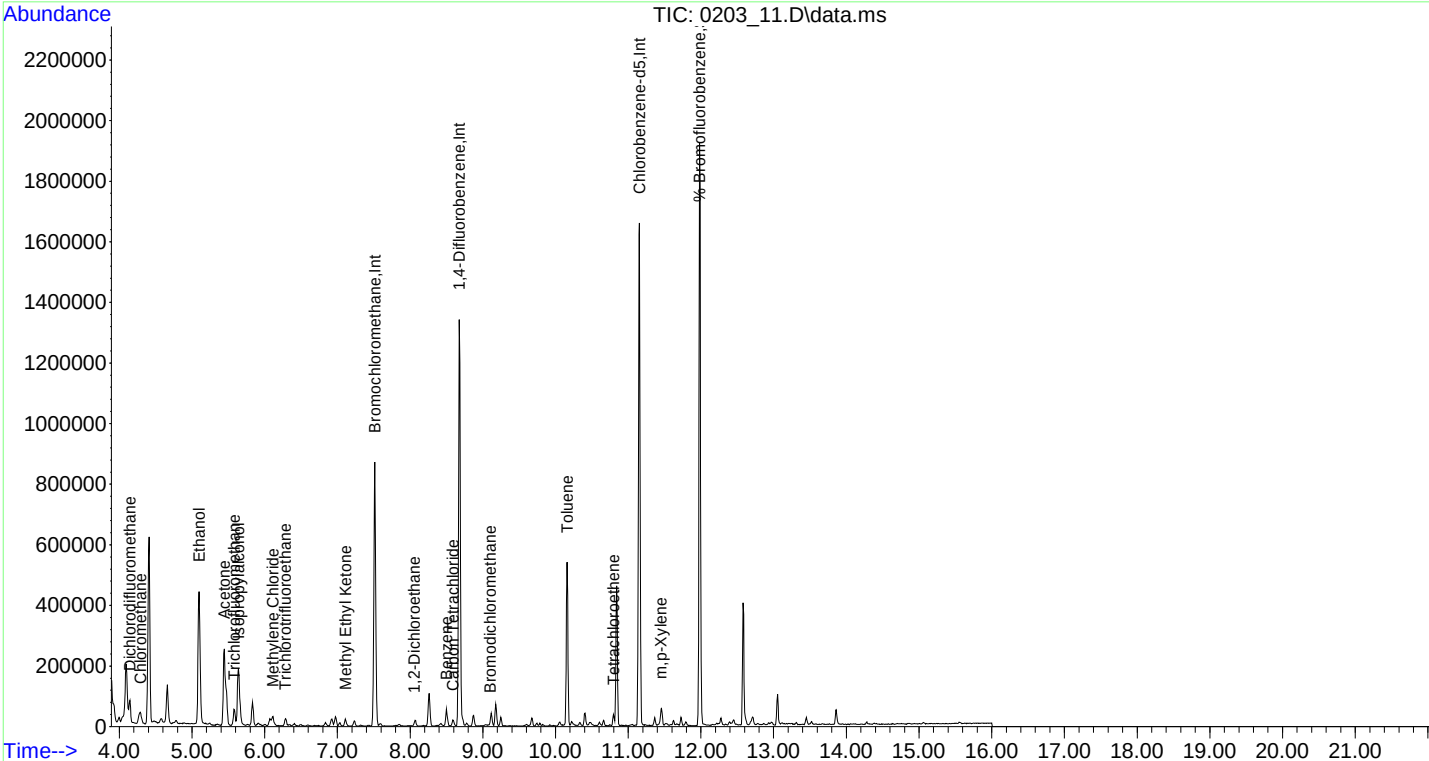
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.515	130	274937	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	946858	10.000	ng	0.00
53) Chlorobenzene-d5	11.155	82	448143	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	273360	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	946858	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.155	82	448265	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	554429	10.135	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	101.30%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	4.145	85	79516	0.953	ppbv	98
4) Chloromethane	4.294	50	35647	1.172	ppbv	97
11) Ethanol	5.099	45	482152	31.960	ppbv	97
12) Acetone	5.443	43	337945	6.601	ppbv	92
13) Trichlorofluoromethane	5.578	101	45049	0.505	ppbv	98
14) Isopropylalcohol	5.639	45	249485	4.205	ppbv#	91
17) Methylene Chloride	6.112	49	18034	0.447	ppbv	91
21) Trichlorotrifluoroethane	6.284	101	9330	0.138	ppbv	93
25) Methyl Ethyl Ketone	7.110	43	28187	0.431	ppbv	95
31) 1,2-Dichloroethane	8.059	62	1704	0.036	ppbv#	86
33) Benzene	8.502	78	39537	0.441	ppbv	97
34) Carbon Tetrachloride	8.588	117	11540	0.155	ppbv	98
38) Bromodichloromethane	9.099	83	1471	0.020	ppbv#	27
48) Toluene	10.159	91	324158	2.879	ppbv	98
52) Tetrachloroethene	10.799	166	8733	0.139	ppbv	94
57) m,p-Xylene	11.450	91	34431	0.342	ppbv	96
84] Trichlorofluoromethane...	5.581	101	46540	0.499	ppbv#	98
87] Benzene(sim)	8.502	78	39537	0.416	ppbv	97
88] Carbon Tetrachloride(sim)	8.591	117	11583	0.159	ppbv	99
97] Bromodichloromethane(sim)	9.099	83	1471	0.020	ppbv#	27
104] Tetrachloroethene(sim)	10.802	166	9256	0.125	ppbv	98

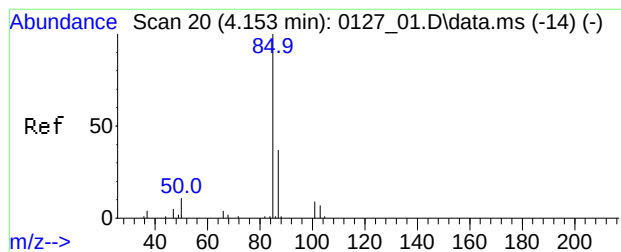
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM24\02FEB\03\
Data File : 0203_11.D
Acq On : 3 Feb 2025 7:56 pm
Operator : Keith
Client ID : CS55737 QC 0.5 X
Lab ID : CS55737 QC
ALS Vial : 12 Sample Multiplier: 1

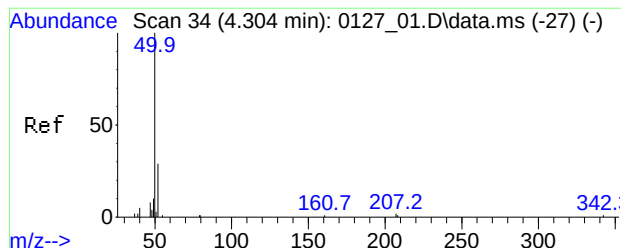
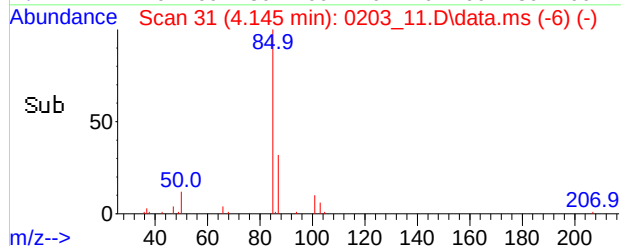
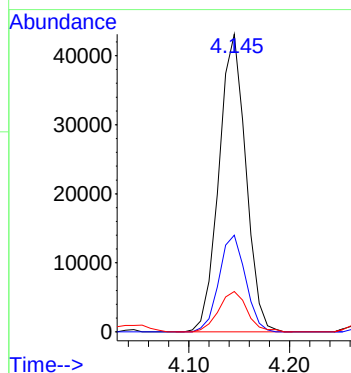
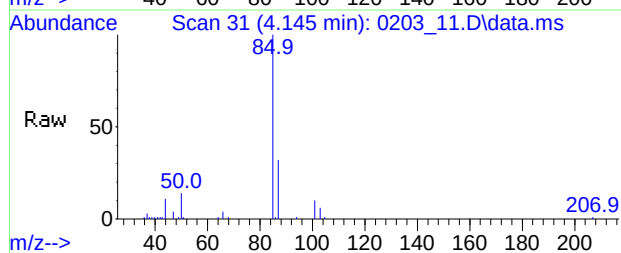
Quant Time: Feb 04 07:53:34 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 08:37:36 2025
Response via : Initial Calibration





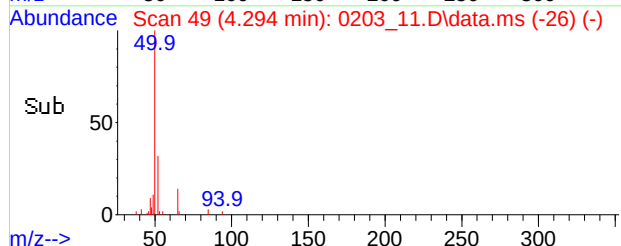
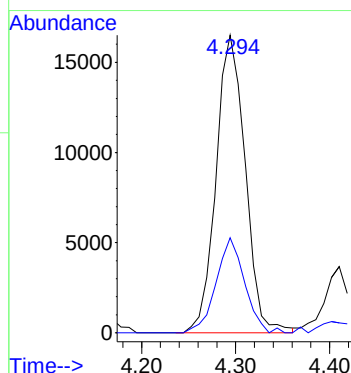
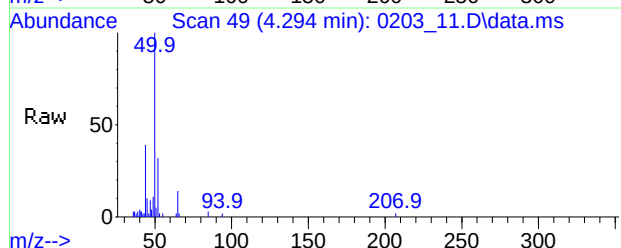
#3
Dichlorodifluoromethane
Conc: 8\$ 0.953 ppbv
RT: 4.145 min Scan# 31
Delta R.T. 0.008 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

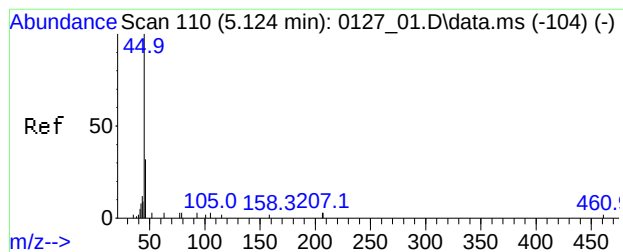
Tgt Ion: 85 Resp: 79516
Ion Ratio Lower Upper
85 100
87 32.1 26.9 40.3
50 14.4 12.0 18.0



#4
Chloromethane
Conc: 8\$ 1.172 ppbv
RT: 4.294 min Scan# 49
Delta R.T. -0.008 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

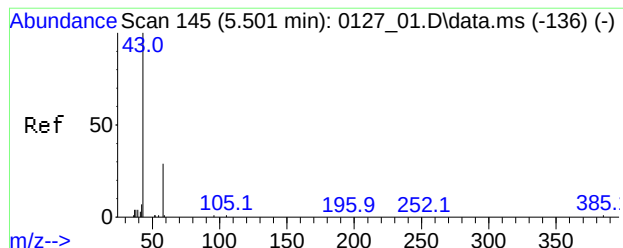
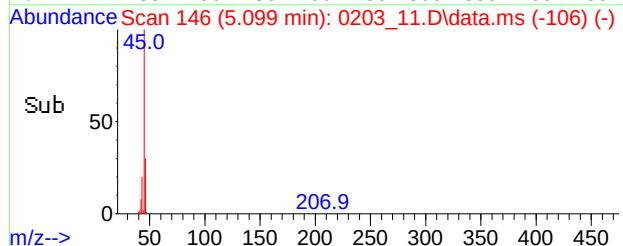
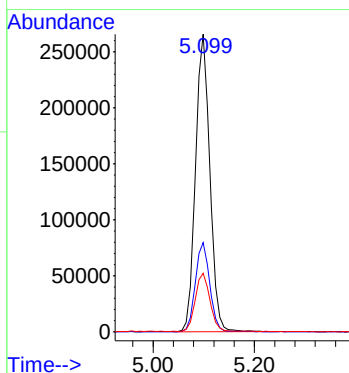
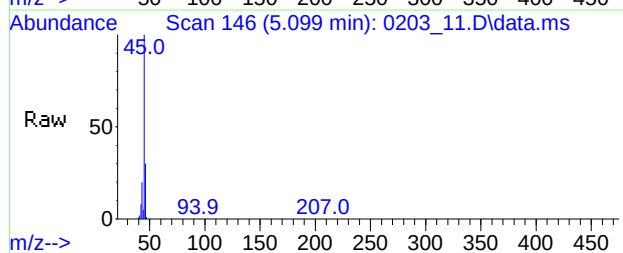
Tgt Ion: 50 Resp: 35647
Ion Ratio Lower Upper
50 100
52 31.2 12.8 52.8





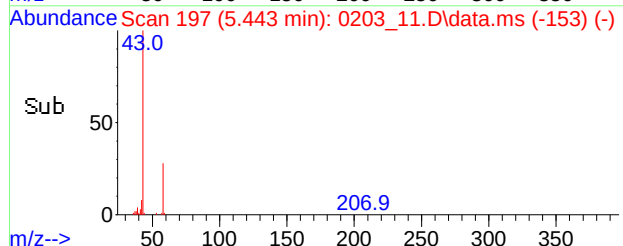
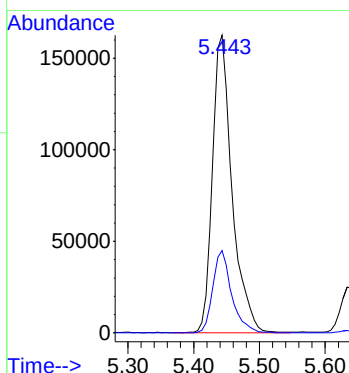
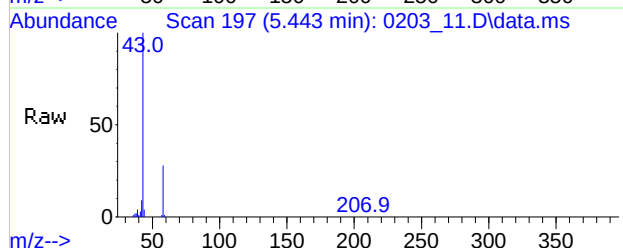
#11
Ethanol
Conc: 8\$ 31.960 ppbv
RT: 5.099 min Scan# 146
Delta R.T. 0.034 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

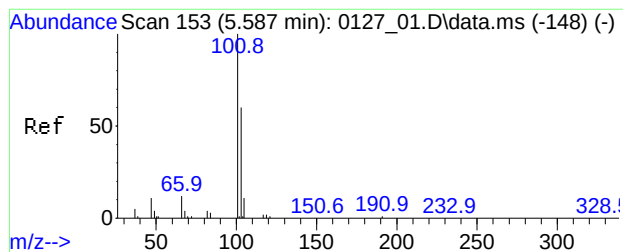
Tgt Ion: 45 Resp: 482152
Ion Ratio Lower Upper
45 100
46 32.4 25.0 37.6
43 23.2 20.0 30.0



#12
Acetone
Conc: 8\$ 6.601 ppbv
RT: 5.443 min Scan# 197
Delta R.T. -0.012 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

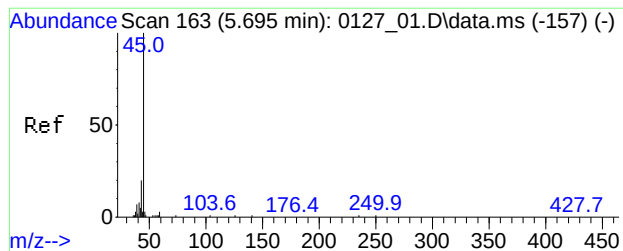
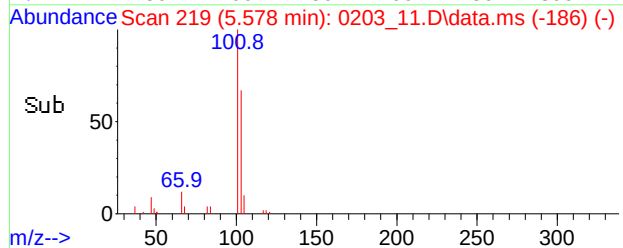
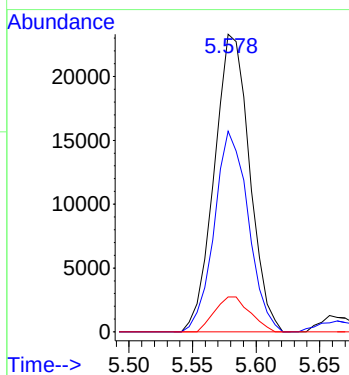
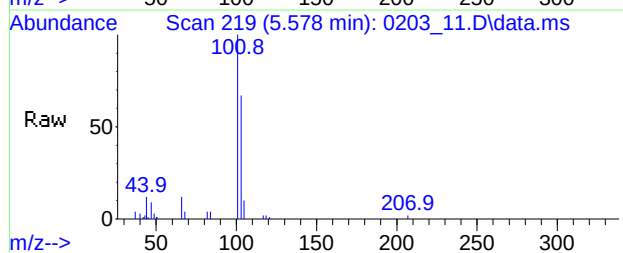
Tgt Ion: 43 Resp: 337945
Ion Ratio Lower Upper
43 100
58 26.3 24.6 37.0





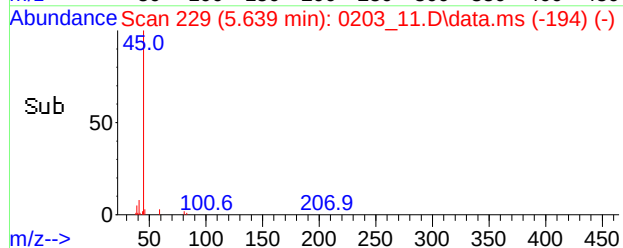
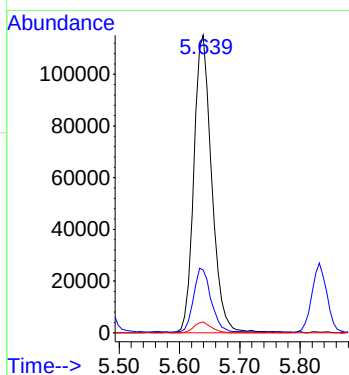
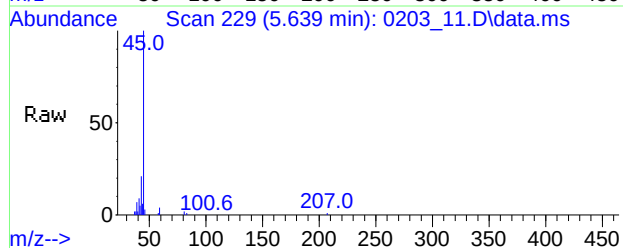
#13
Trichlorofluoromethane
Conc: 8\$ 0.505 ppbv
RT: 5.578 min Scan# 219
Delta R.T. 0.000 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

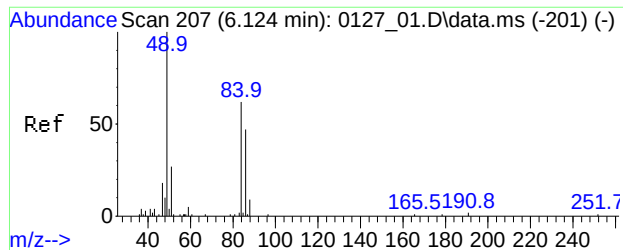
Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.4	80.2
66	11.7	9.3	13.9



#14
Isopropylalcohol
Conc: 8\$ 4.205 ppbv
RT: 5.639 min Scan# 229
Delta R.T. 0.012 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

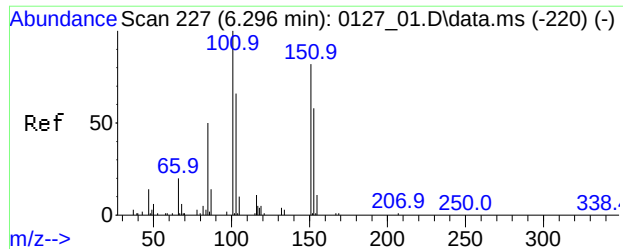
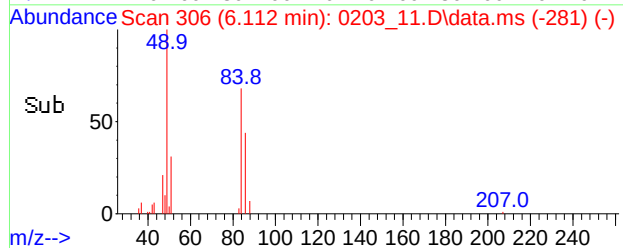
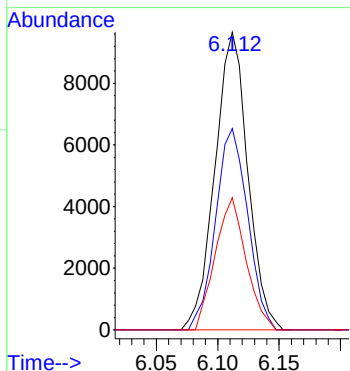
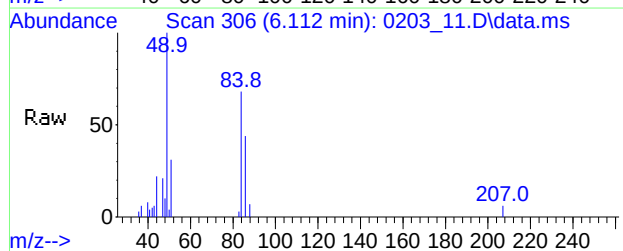
Tgt Ion	Ratio	Lower	Upper
45	100		
43	21.3	13.3	19.9#
59	3.4	2.6	4.0





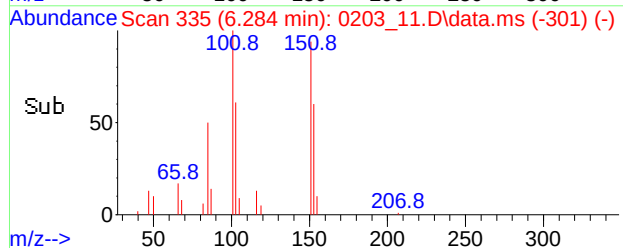
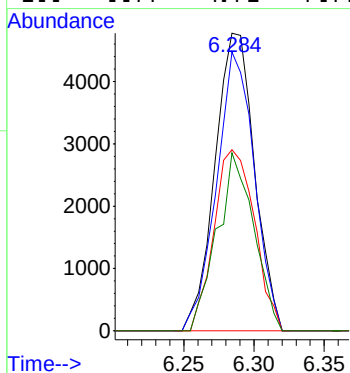
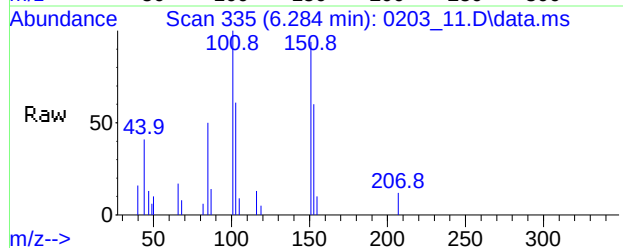
#17
Methylene Chloride
Conc: 8\$ 0.447 ppbv
RT: 6.112 min Scan# 306
Delta R.T. -0.000 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

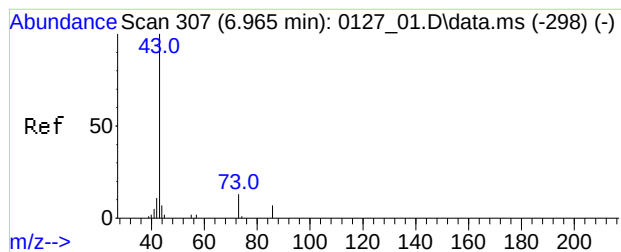
Tgt Ion: 49 Resp: 18034
Ion Ratio Lower Upper
49 100
84 66.1 46.1 69.1
86 41.7 30.9 46.3



#21
Trichlorotrifluoroethane
Conc: 8\$ Below Cal
RT: 6.284 min Scan# 335
Delta R.T. 0.000 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

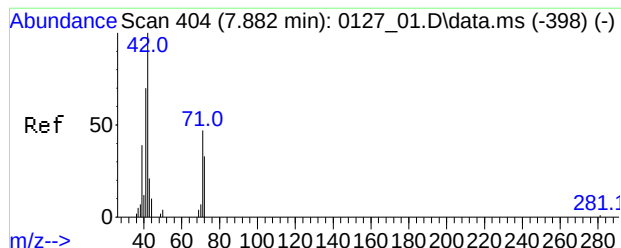
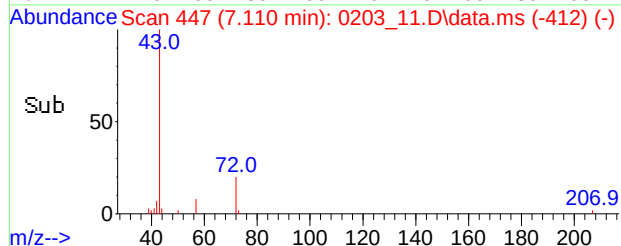
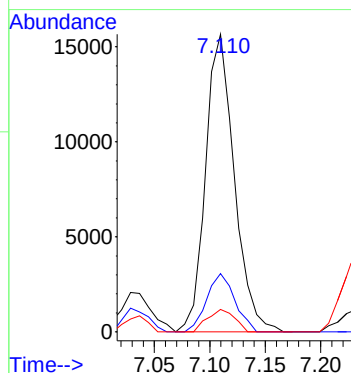
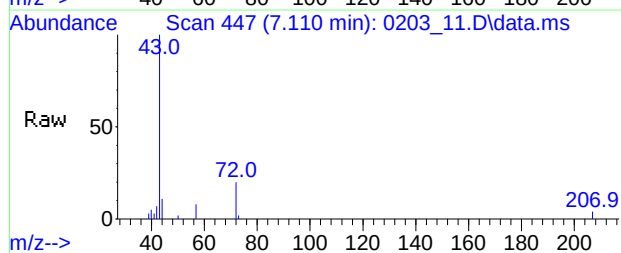
Tgt Ion: 101 Resp: 9330
Ion Ratio Lower Upper
101 100
151 89.6 78.2 117.2
103 62.4 53.1 79.7
153 55.7 49.2 73.8





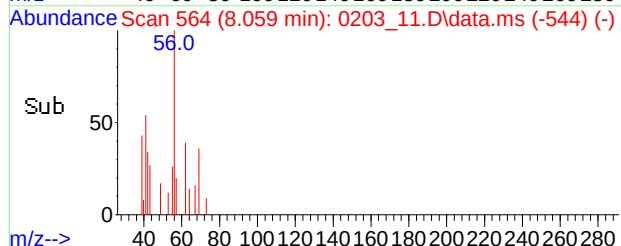
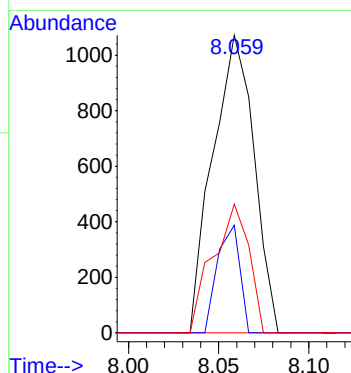
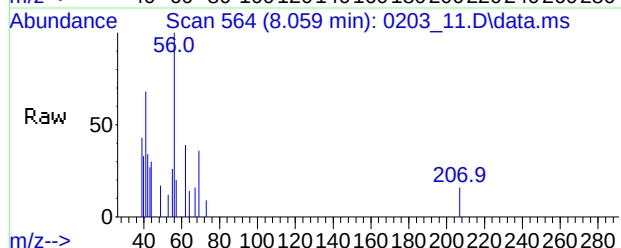
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.431 ppbv
RT: 7.110 min Scan# 447
Delta R.T. -0.016 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

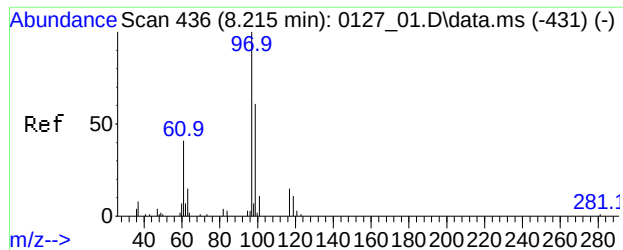
Tgt Ion: 43 Resp: 28187
Ion Ratio Lower Upper
43 100
72 19.1 13.1 19.7
57 7.1 6.6 9.8



#31
1,2-Dichloroethane
Conc: 8\$ Below Cal
RT: 8.059 min Scan# 564
Delta R.T. 0.009 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

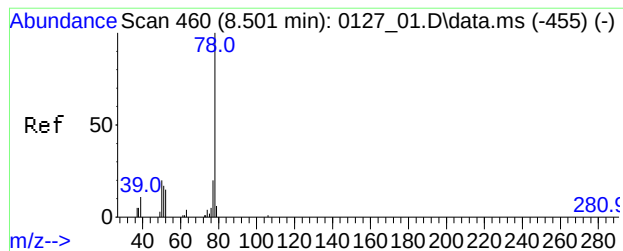
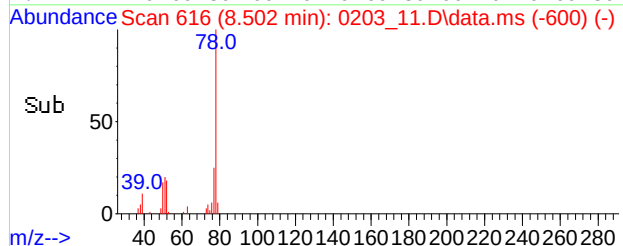
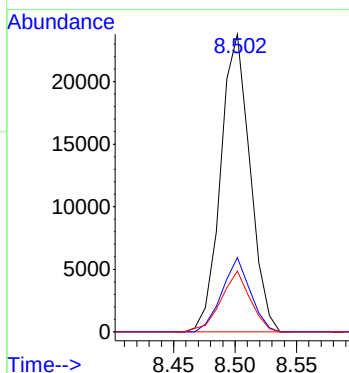
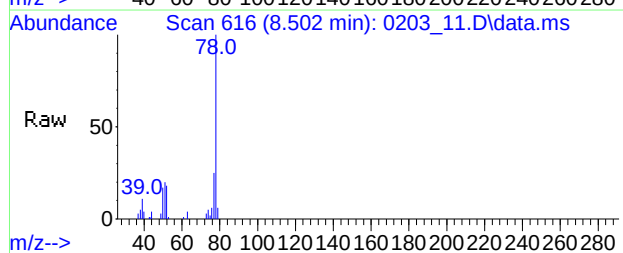
Tgt Ion: 62 Resp: 1704
Ion Ratio Lower Upper
62 100
64 19.7 23.9 35.9#
49 37.8 26.3 39.5





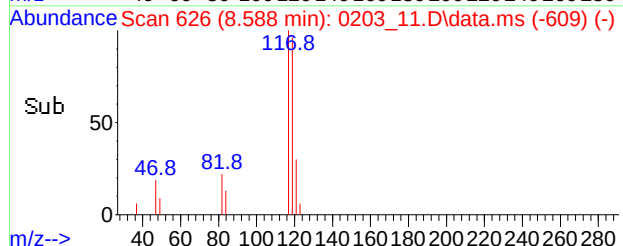
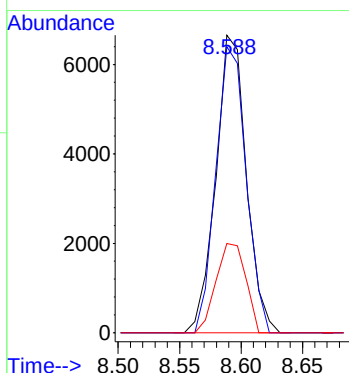
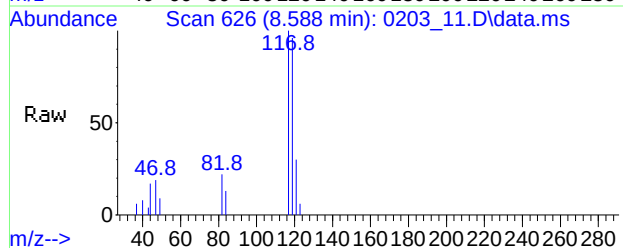
#33
Benzene
Conc: 8\$ 0.441 ppbv
RT: 8.502 min Scan# 616
Delta R.T. -0.000 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

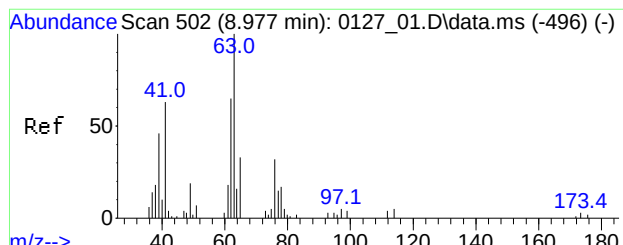
Tgt Ion: 78 Resp: 39537
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2
51 20.3 18.1 27.1



#34
Carbon Tetrachloride
Conc: 8\$ 0.155 ppbv
RT: 8.588 min Scan# 626
Delta R.T. 0.000 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

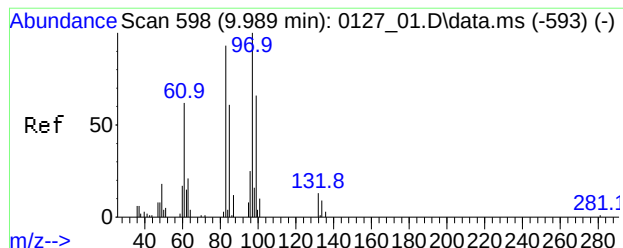
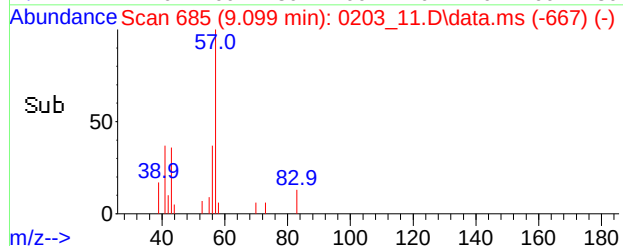
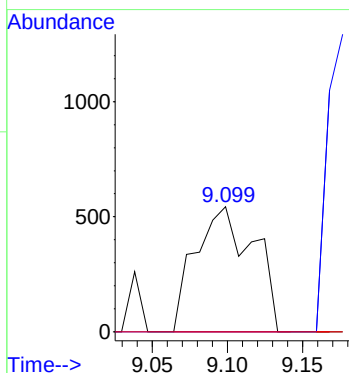
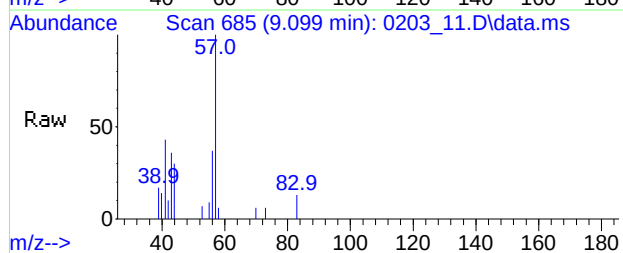
Tgt Ion: 117 Resp: 11540
Ion Ratio Lower Upper
117 100
119 94.9 76.5 116.5
121 29.1 11.2 51.2





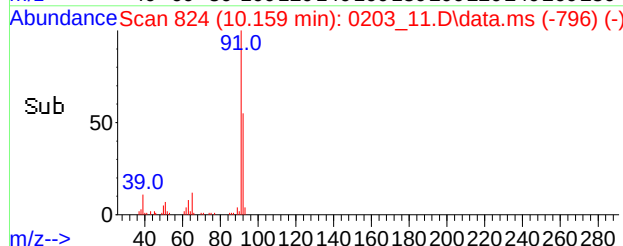
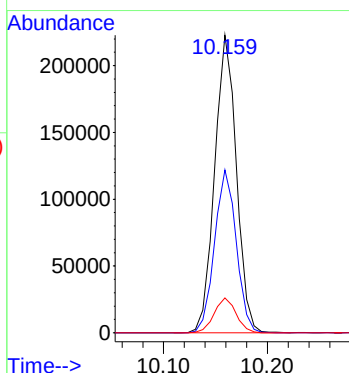
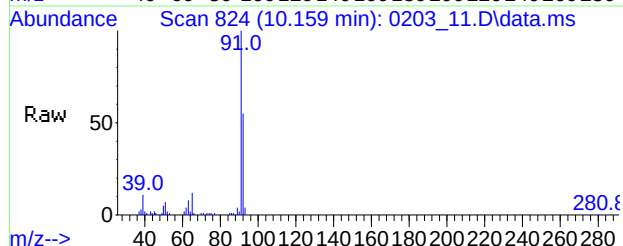
#38
Bromodichloromethane
Conc: 8\$ Below Cal
RT: 9.099 min Scan# 685
Delta R.T. 0.009 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

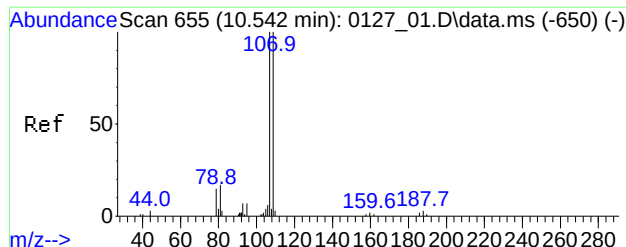
Tgt Ion	Ratio	Lower	Upper
83	100		
85	0.0	44.0	84.0#
129	0.0	0.0	35.8



#48
Toluene
Conc: 8\$ 2.879 ppbv
RT: 10.159 min Scan# 824
Delta R.T. -0.000 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

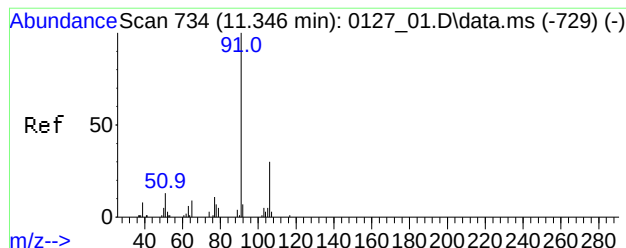
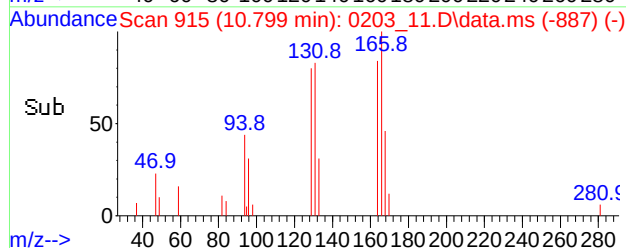
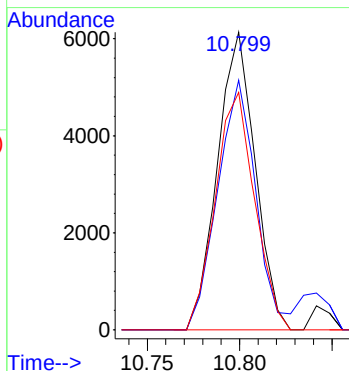
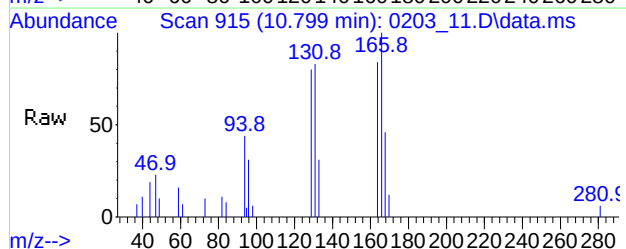
Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	45.0	67.4
65	11.8	9.4	14.2





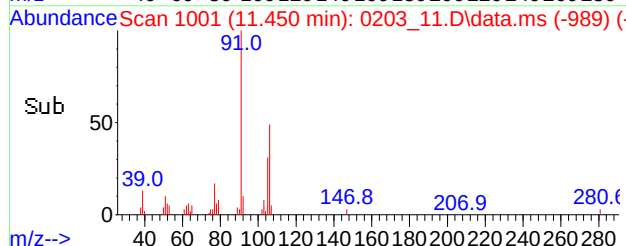
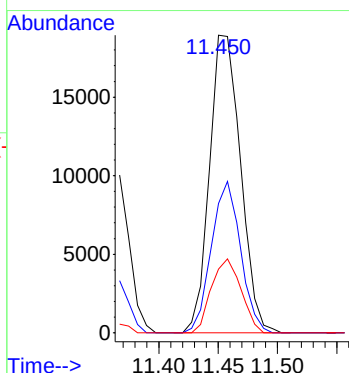
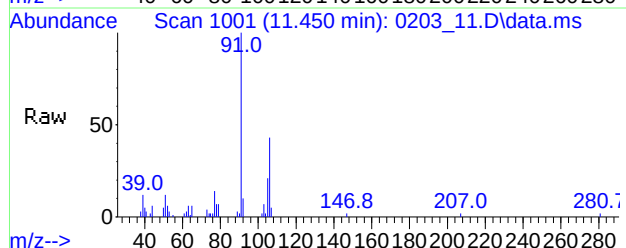
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.799 min Scan# 915
Delta R.T. 0.000 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

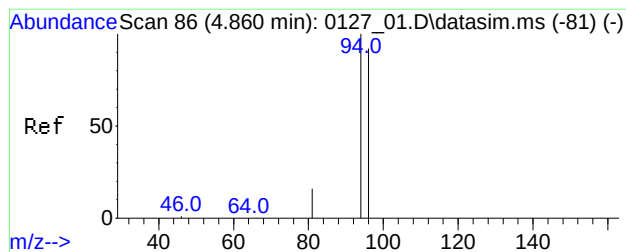
Tgt Ion: 166 Resp: 8733
Ion Ratio Lower Upper
166 100
164 85.4 64.7 97.1
129 83.4 62.2 93.2



#57
m,p-Xylene
Conc: 8\$ 0.342 ppbv
RT: 11.450 min Scan# 1001
Delta R.T. -0.008 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

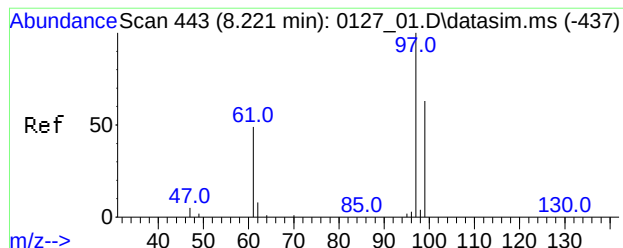
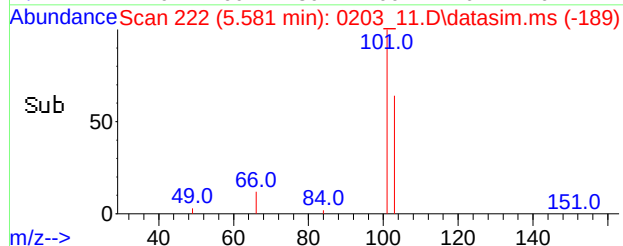
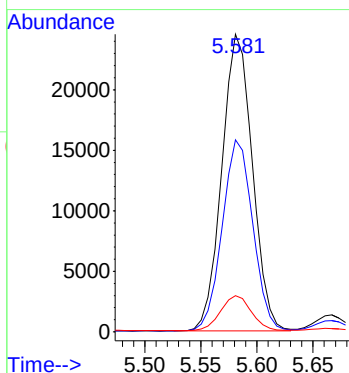
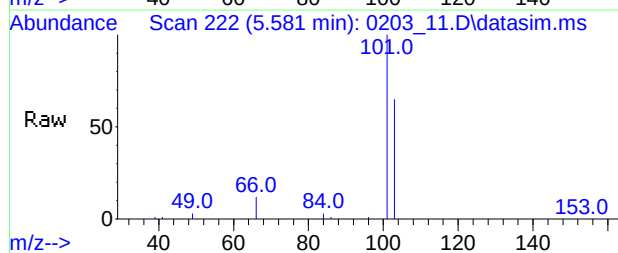
Tgt Ion: 91 Resp: 34431
Ion Ratio Lower Upper
91 100
106 47.7 41.1 61.7
105 23.7 19.5 29.3





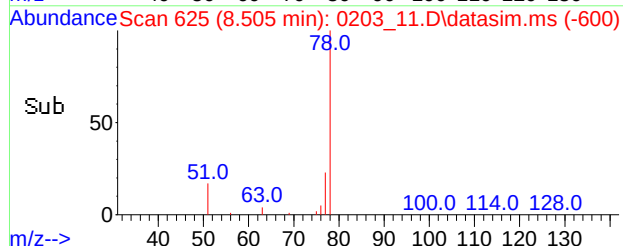
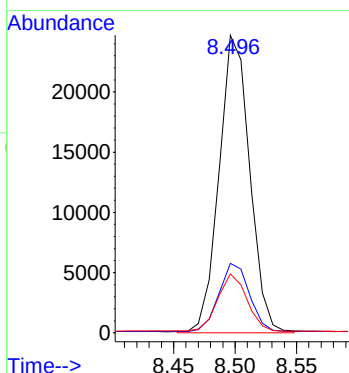
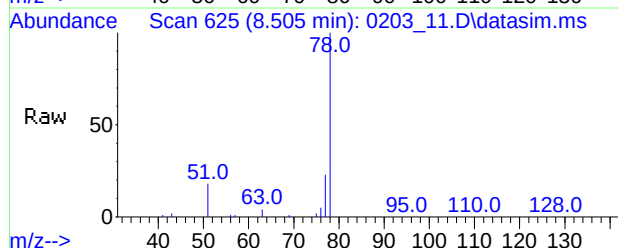
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.499 ppbv
RT: 5.581 min Scan# 222
Delta R.T. -0.000 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

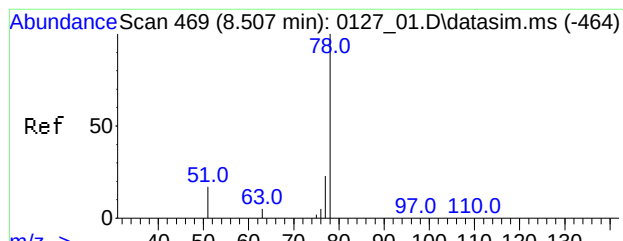
Tgt Ion: 101 Resp: 46540
Ion Ratio Lower Upper
101 100
103 64.3 52.4 78.6
66 12.0 11.4 11.4#



#87
Benzene(sim)
Conc: 8\$ 0.416 ppbv
RT: 8.502 min Scan# 625
Delta R.T. 0.006 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

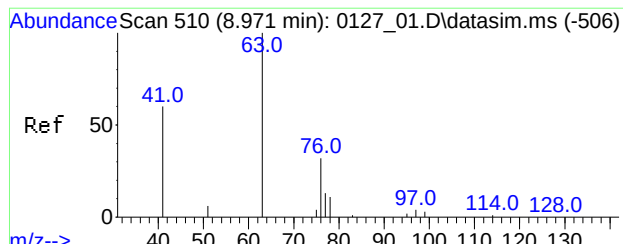
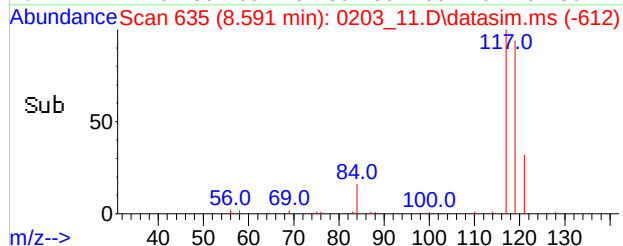
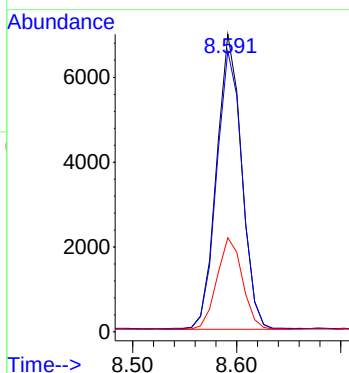
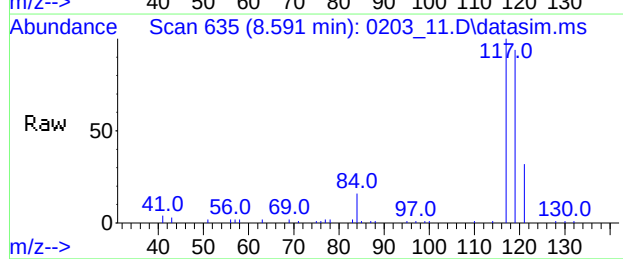
Tgt Ion: 78 Resp: 39537
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2
51 20.3 18.1 27.1





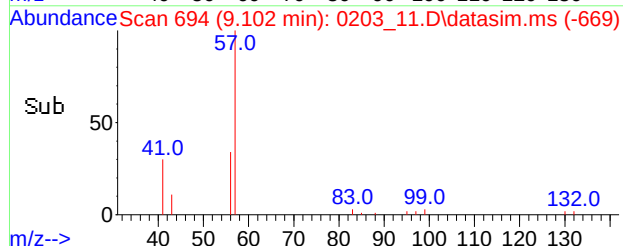
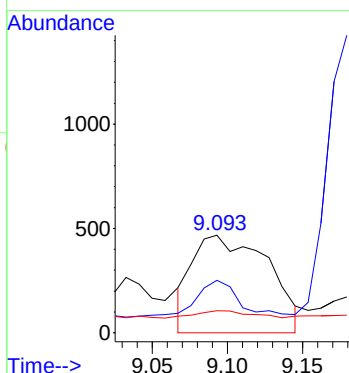
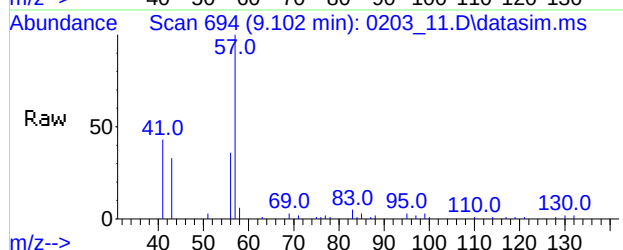
#88
Carbon Tetrachloride(sim)
Conc: 8\$ 0.159 ppbv
RT: 8.591 min Scan# 635
Delta R.T. 0.000 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

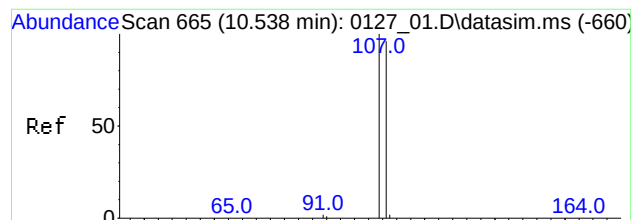
Tgt Ion: 117 Resp: 11583
Ion Ratio Lower Upper
117 100
119 95.5 77.4 116.2
121 31.5 24.9 37.3



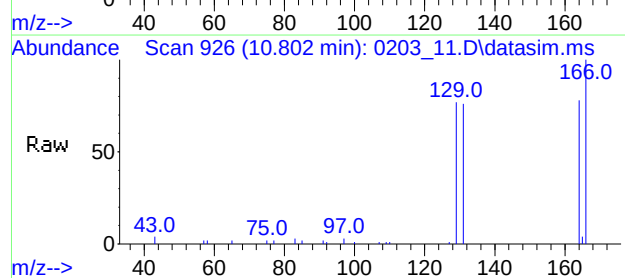
#97
Bromodichloromethane(sim)
Conc: 8\$ Below Cal
RT: 9.099 min Scan# 694
Delta R.T. 0.015 min
Lab File: 0203_11.D
Acq: 3 Feb 2025 7:56 pm

Tgt Ion: 83 Resp: 1471
Ion Ratio Lower Upper
83 100
85 0.0 44.0 84.0#
87 0.0 0.0 33.1



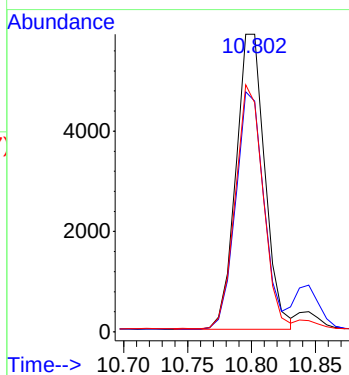
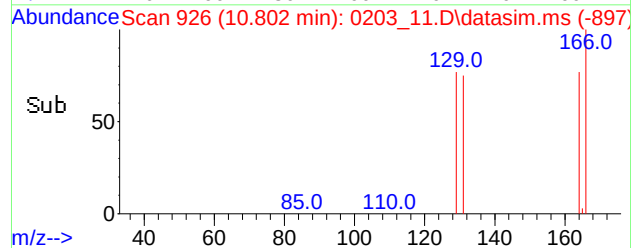


#104
 Tetrachloroethene(sim)
 Conc: 8\$ 0.125 ppbv
 RT: 10.802 min Scan# 926
 Delta R.T. 0.007 min
 Lab File: 0203_11.D
 Acq: 3 Feb 2025 7:56 pm



Tgt Ion: 166 Resp: 9256

Ion	Ratio	Lower	Upper
166	100		
164	78.1	58.0	98.0
129	81.2	58.0	98.0



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CS55737 BLANK

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CS55737 BL
Canister:	BL	Lab File ID:	0203_05.D
Instrument:	CHEM24	Column:	RTX-1
		Date Received:	02/03/25
Purge Volume	200	(cc)	
		Date Analyzed:	02/03/25
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.250	U	0.250	0.250	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.421	U	0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CS55737 BLANK

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CS55737 BL
Canister:	BL	Lab File ID:	0203_05.D
Instrument:	CHEM24	Column:	RTX-1
		Date Received:	02/03/25
Purge Volume	200	(cc)	
		Date Analyzed:	02/03/25
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\02FEB\03\
 Data File : 0203_05.D
 Acq On : 3 Feb 2025 4:15 pm
 Operator : Keith
 Client ID : CS55737 BLANK
 Lab ID : CS55737 BLANK
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 07:52:39 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 08:37:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.515	130	302245	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	1026102	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	486262	10.000	ng	0.00
80) Bromochloromethane(sim)	7.510	130	298266	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	1026102	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	486262	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.981	95	543944	9.164	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	91.60%

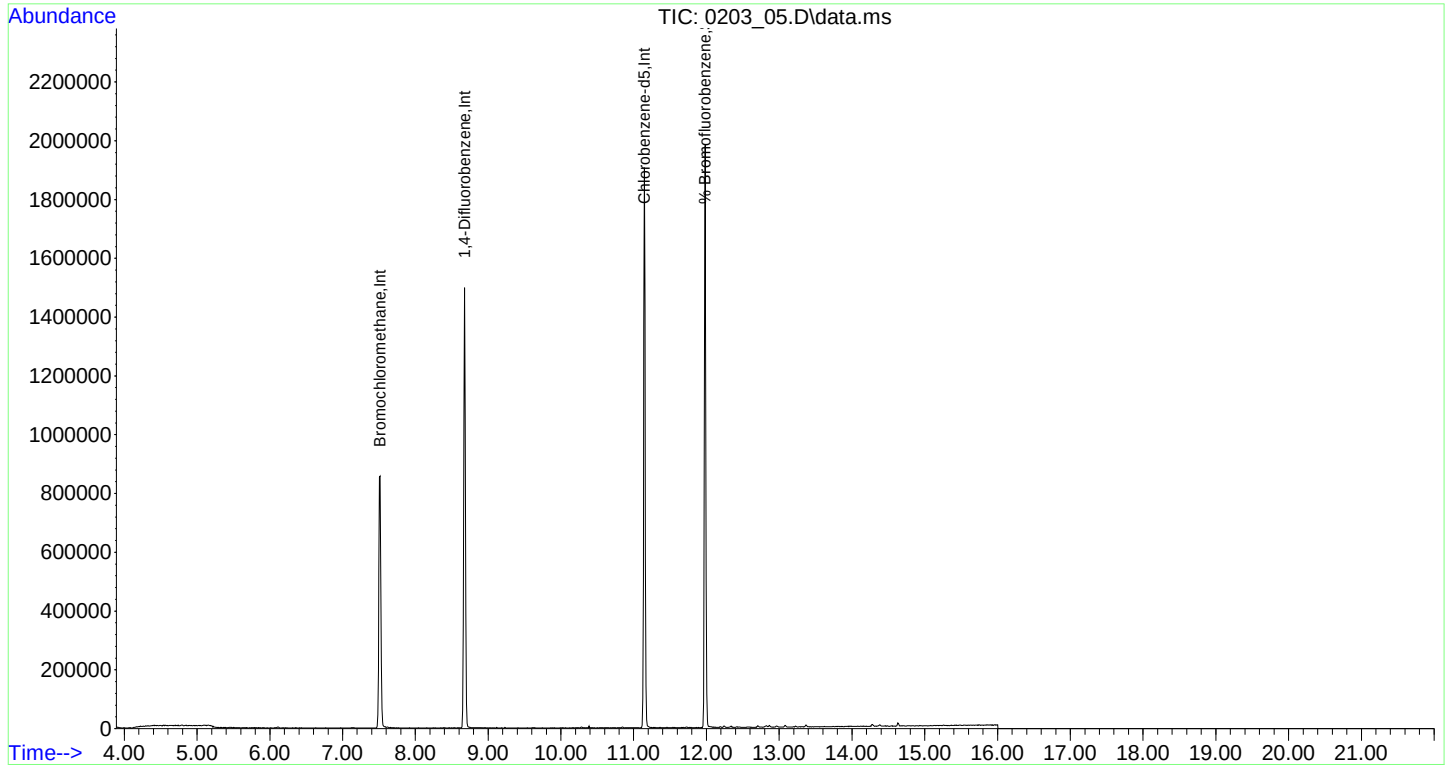
Target Compounds

Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\02FEB\03\
Data File : 0203_05.D
Acq On : 3 Feb 2025 4:15 pm
Operator : Keith
Client ID : CS55737 BLANK
Lab ID : CS55737 BLANK
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 07:52:39 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 08:37:36 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CS55737 DUP 0.5X</u>
Canister:	<u>49207</u>	Lab File ID:	<u>0203_12.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>02/03/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>02/03/25</u>
		Dilution Factor:	<u>0.5</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.250	U	0.250	0.250	r
75-71-8	Dichlorodifluoromethane	0.464		0.250	0.250	r
74-87-3	Chloromethane	0.590		0.250	0.250	r
106-99-0	1,3-Butadiene	0.100	U	0.100	0.100	r
75-00-3	Chloroethane	0.250	U	0.250	0.250	r
64-17-5	Ethanol	18.3	S	0.375	0.375	r
67-64-1	Acetone	3.28	S	0.375	0.375	r
75-69-4	Trichlorofluoromethane	0.255		0.250	0.250	r
67-63-0	Isopropylalcohol	2.09	S	0.375	0.375	r
107-13-1	Acrylonitrile	0.100	U	0.100	0.100	r
75-09-2	Methylene Chloride	1.50	U	1.50	1.50	r
75-15-0	Carbon Disulfide	0.250	U	0.250	0.250	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.250	U	0.250	0.250	r
78-93-3	Methyl Ethyl Ketone	0.225	U	0.225	0.225	r
110-54-3	Hexane	0.225	U	0.225	0.225	r
141-78-6	Ethyl acetate	0.250	U	0.250	0.250	r
109-99-9	Tetrahydrofuran	0.250	U	0.250	0.250	r
71-43-2	Benzene	0.223		0.100	0.100	r
110-82-7	Cyclohexane	0.250	U	0.250	0.250	r
540-84-1	2,2,4-trimethylpentane	0.100	U	0.100	0.100	r
142-82-5	Heptane	0.250	U	0.250	0.250	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.250	U	0.250	0.250	r
10061-02-6	trans-1,3-Dichloropropene	0.250	U	0.250	0.250	r
108-88-3	Toluene	1.49		0.250	0.250	r
591-78-6	2-Hexanone(MBK)	0.250	U	0.250	0.250	r
630-20-6	1,1,1,2-Tetrachloroethane	0.025	U	0.025	0.025	r
108-90-7	Chlorobenzene	0.100	U	0.100	0.100	r
100-41-4	Ethylbenzene	0.250	U	0.250	0.250	r
100-42-5	Styrene	0.100	U	0.100	0.100	r
95-47-6	o-Xylene	0.250	U	0.250	0.250	r
98-82-8	Isopropylbenzene	0.250	U	0.250	0.250	r
622-96-8	4-Ethyltoluene	0.250	U	0.250	0.250	r
108-67-8	1,3,5-Trimethylbenzene	0.250	U	0.250	0.250	r
95-63-6	1,2,4-Trimethylbenzene	0.250	U	0.250	0.250	r
91-20-3	Naphthalene	0.050	U	0.055	0.050	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.250	U	0.250	0.250	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CS55737 DUP 0.5 X

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CS55737 DUP 0.5X
Canister:	49207	Lab File ID:	0203_12.D
Instrument:	CHEM24	Column:	RTX-1
		Date Received:	02/03/25
Purge Volume	200 (cc)	Date Analyzed:	02/03/25
Matrix:	AIR	Dilution Factor:	0.5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.010	U	0.010	0.010	r
74-83-9	Bromomethane(sim)	0.070	U	0.070	0.070	r
107-06-2	1,2-Dichloroethane(sim)	0.010	U	0.010	0.010	r
71-55-6	1,1,1-Trichloroethane(sim)	0.250	U	0.250	0.250	r
56-23-5	Carbon Tetrachloride(sim)	0.082		0.043	0.043	r
75-35-4	1,1-Dichloroethene(sim)	0.010	U	0.010	0.010	r
76-13-1	Trichlorotrifluoroethane(sim)	0.250	U	0.250	0.250	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
75-34-3	1,1-Dichloroethane(sim)	0.075	U	0.075	0.075	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
67-66-3	Chloroform(sim)	0.100	U	0.100	0.100	r
78-87-5	1,2-dichloropropane(sim)	0.010	U	0.010	0.010	r
75-27-4	Bromodichloromethane(sim)	0.010	U	0.010	0.010	r
79-01-6	Trichloroethene(sim)	0.025	U	0.025	0.025	r
123-91-1	1,4-Dioxane(sim)	0.025	U	0.025	0.025	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.050	U	0.050	0.050	r
79-00-5	1,1,2-Trichloroethane(sim)	0.010	U	0.010	0.010	r
124-48-1	Dibromochloromethane(sim)	0.010	U	0.010	0.010	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.010	U	0.010	0.010	r
127-18-4	Tetrachloroethene(sim)	0.065		0.050	0.050	r
75-25-2	Bromoform(sim)	0.025	U	0.025	0.025	r
179601-23-1	m,p-Xylene(sim)	0.500	U	0.500	0.500	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.010	U	0.010	0.010	r
100-44-7	Benzyl chloride(sim)	0.100	U	0.100	0.100	r
541-73-1	1,3-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
106-46-7	1,4-Dichlorobenzene(sim)	0.040	U	0.040	0.040	r
135-98-8	sec-Butylbenzene(sim)	0.250	U	0.250	0.250	r
99-87-6	4-Isopropyltoluene(sim)	0.250	U	0.250	0.250	r
95-50-1	1,2-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
104-51-8	n-Butylbenzene(sim)	0.250	U	0.250	0.250	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.010	U	0.010	0.010	r
87-68-3	Hexachlorobutadiene(sim)	0.010	U	0.010	0.010	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\02FEB\03\
 Data File : 0203_12.D
 Acq On : 3 Feb 2025 8:38 pm
 Operator : Keith
 Client ID : CS55737 DUP 0.5 X
 Lab ID : CS55737 DUP
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 04 07:54:00 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jan 31 08:37:36 2025
 Response via : Initial Calibration

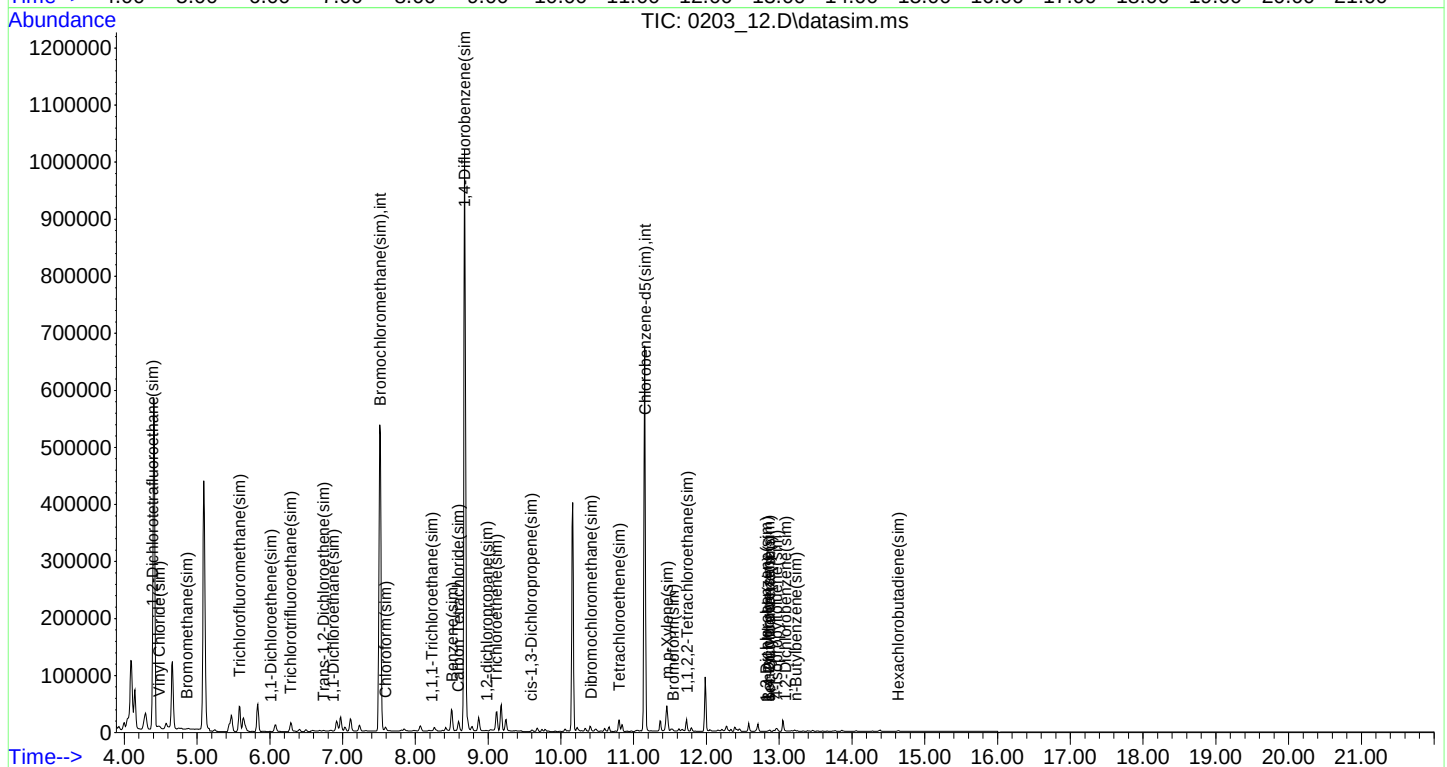
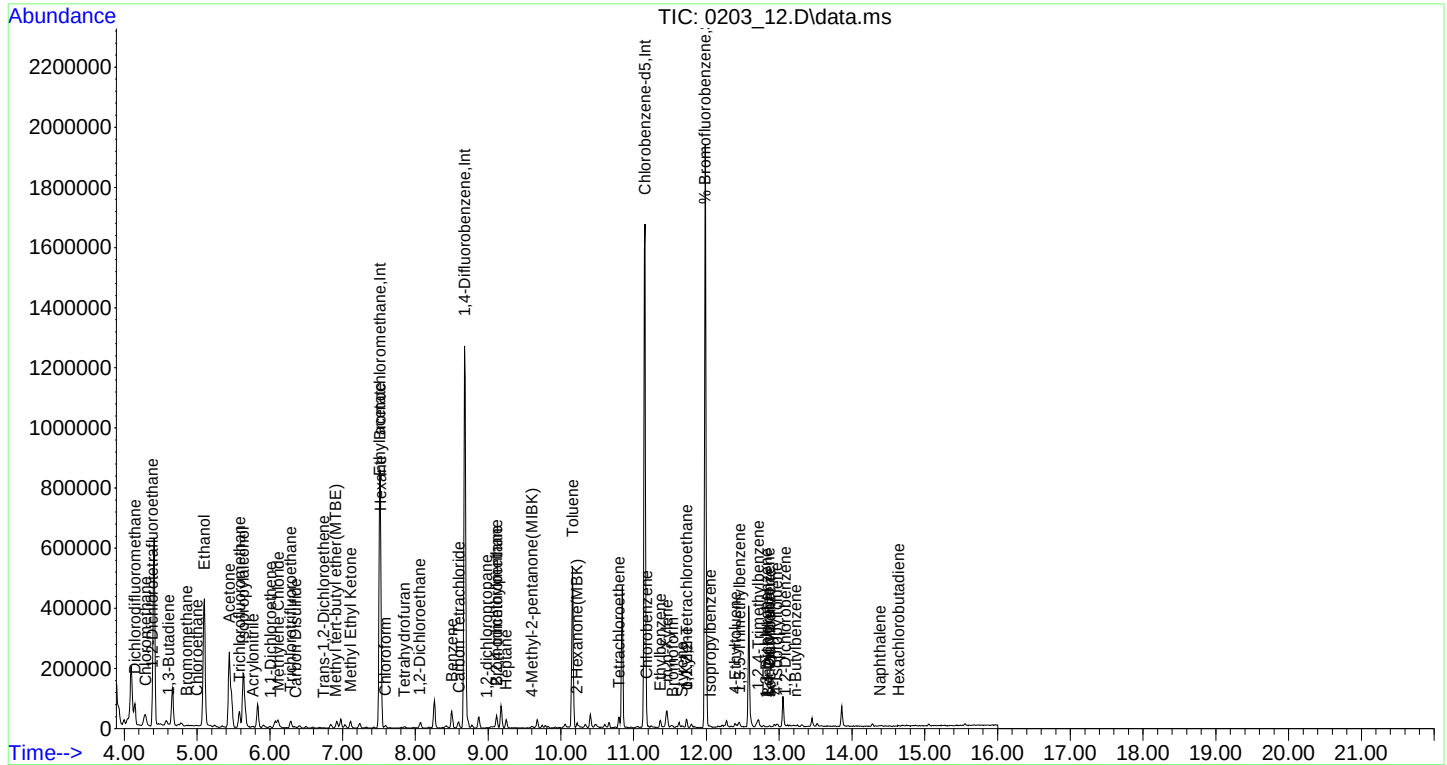
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

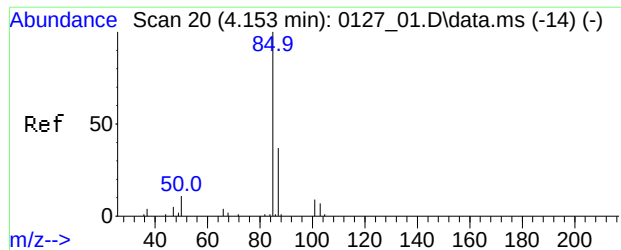
Internal Standards						
1) Bromochloromethane	7.515	130	271380	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	913063	10.000	ng	0.00
53) Chlorobenzene-d5	11.155	82	447518	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	267822	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	913063	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.155	82	447518	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.981	95	553011	10.123	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	101.20%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	4.145	85	76349	0.927	ppbv	99
4) Chloromethane	4.294	50	35442	1.180	ppbv	96
11) Ethanol	5.099	45	544325	36.555	ppbv	95
12) Acetone	5.443	43	331418	6.558	ppbv	93
13) Trichlorofluoromethane	5.584	101	44872	0.509	ppbv	97
14) Isopropylalcohol	5.633	45	244905	4.182	ppbv#	90
17) Methylene Chloride	6.112	49	15125	0.380	ppbv	89
21) Trichlorotrifluoroethane	6.284	101	9370	0.141	ppbv	92
25) Methyl Ethyl Ketone	7.110	43	27699	0.429	ppbv	97
33) Benzene	8.502	78	39336	0.445	ppbv	94
34) Carbon Tetrachloride	8.597	117	11309	0.153	ppbv	98
48) Toluene	10.159	91	322448	2.970	ppbv	98
52) Tetrachloroethene	10.799	166	9268	0.153	ppbv	98
57) m, p-Xylene	11.458	91	33422	0.332	ppbv	96
84] Trichlorofluoromethane...	5.581	101	46805	0.512	ppbv#	99
87] Benzene(sim)	8.502	78	39336	0.423	ppbv	94
88] Carbon Tetrachloride(sim)	8.591	117	11598	0.163	ppbv	98
104] Tetrachloroethene(sim)	10.802	166	9203	0.128	ppbv	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\02FEB\03\
Data File : 0203_12.D
Acq On : 3 Feb 2025 8:38 pm
Operator : Keith
Client ID : CS55737 DUP 0.5 X
Lab ID : CS55737 DUP
ALS Vial : 13 Sample Multiplier: 1

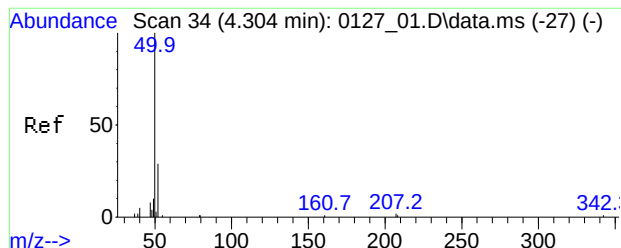
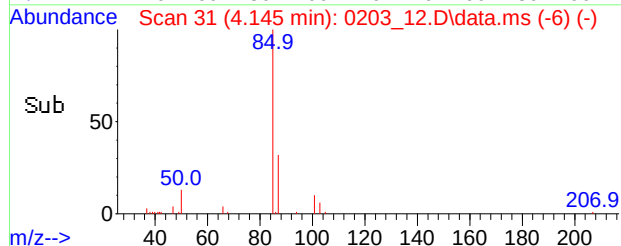
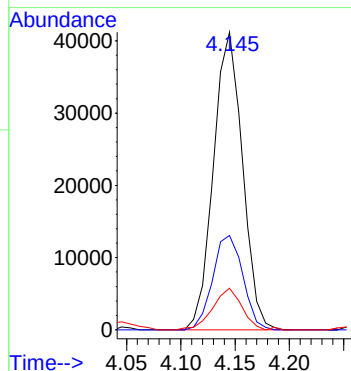
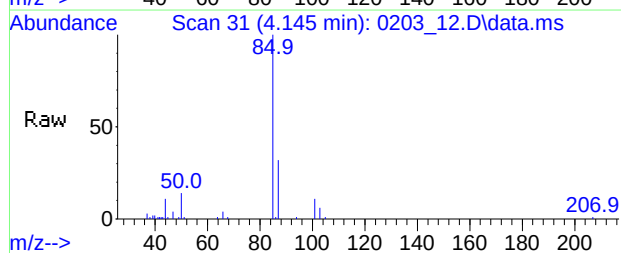
Quant Time: Feb 04 07:54:00 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jan 31 08:37:36 2025
Response via : Initial Calibration





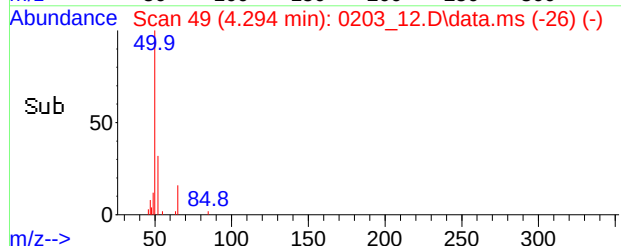
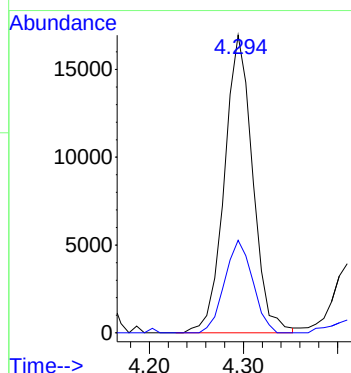
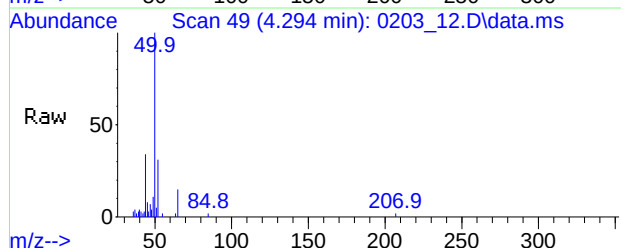
#3
Dichlorodifluoromethane
Conc: 8\$ 0.927 ppbv
RT: 4.145 min Scan# 31
Delta R.T. 0.008 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

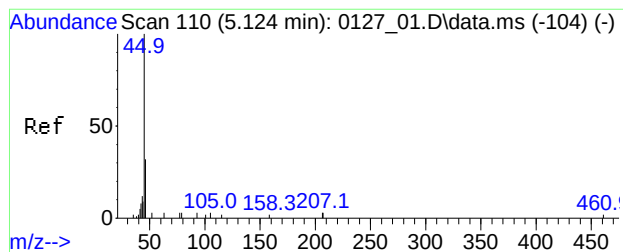
Tgt Ion: 85 Resp: 76349
Ion Ratio Lower Upper
85 100
87 32.9 26.9 40.3
50 14.2 12.0 18.0



#4
Chloromethane
Conc: 8\$ 1.180 ppbv
RT: 4.294 min Scan# 49
Delta R.T. -0.008 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

Tgt Ion: 50 Resp: 35442
Ion Ratio Lower Upper
50 100
52 30.8 12.8 52.8

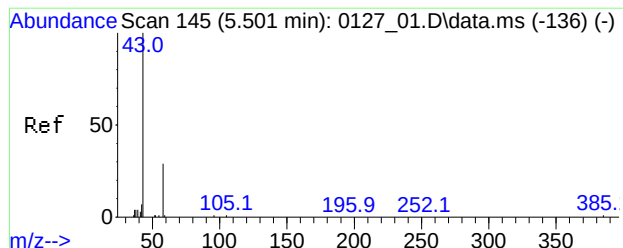
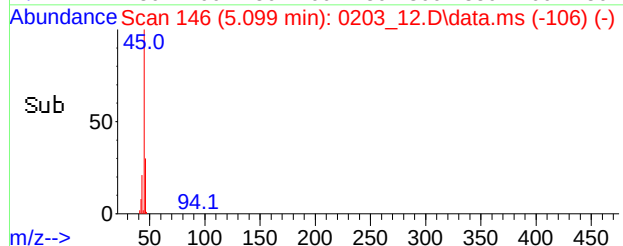
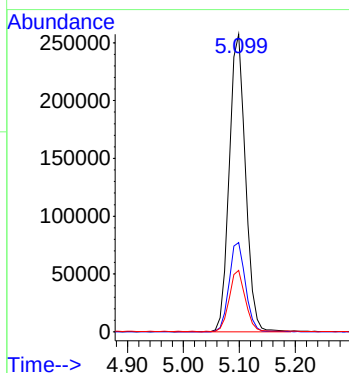
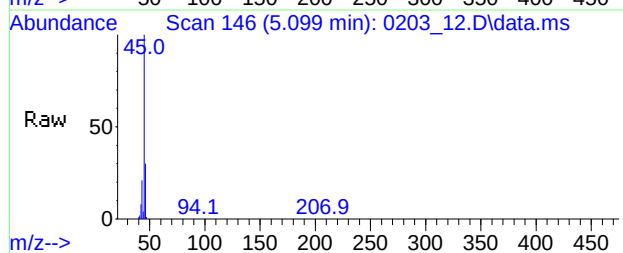




#11
Ethanol
Conc: 8% 36.555 ppbv
RT: 5.099 min Scan# 146
Delta R.T. 0.034 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

Tgt Ion: 45 Resp: 544325

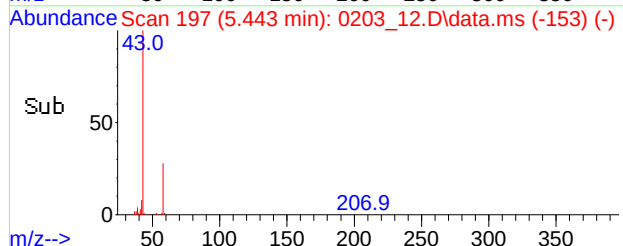
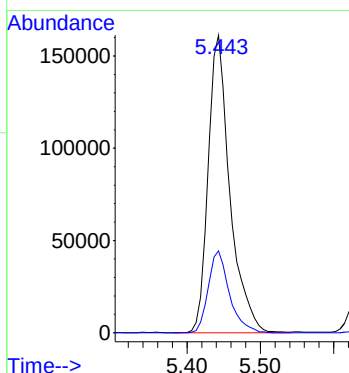
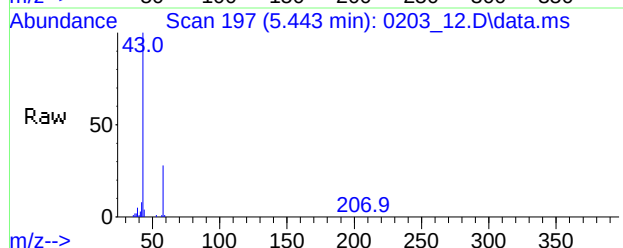
Ion	Ratio	Lower	Upper
45	100		
46	29.2	25.0	37.6
43	22.0	20.0	30.0

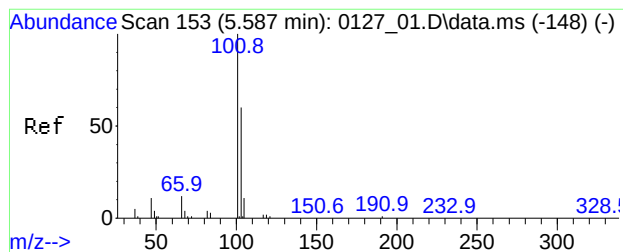


#12
Acetone
Conc: 8% 6.558 ppbv
RT: 5.443 min Scan# 197
Delta R.T. -0.012 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

Tgt Ion: 43 Resp: 331418

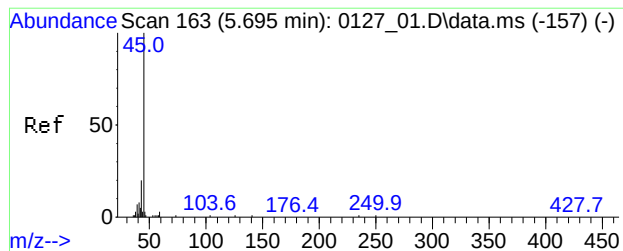
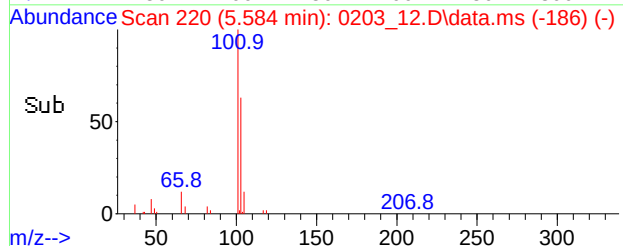
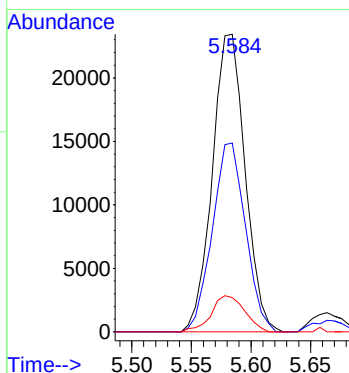
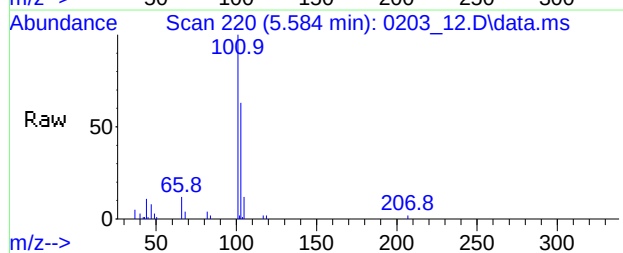
Ion	Ratio	Lower	Upper
43	100		
58	26.8	24.6	37.0





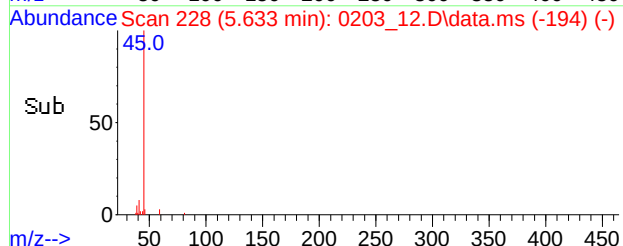
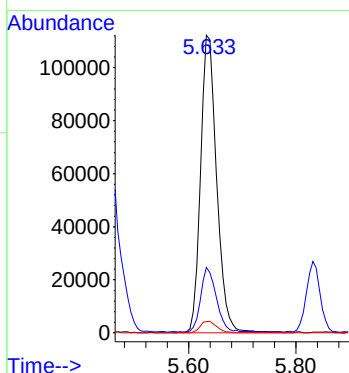
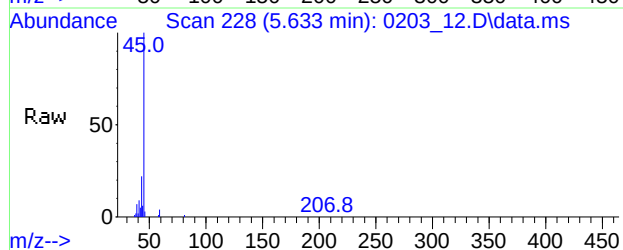
#13
Trichlorofluoromethane
Conc: 8\$ 0.509 ppbv
RT: 5.584 min Scan# 220
Delta R.T. 0.006 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

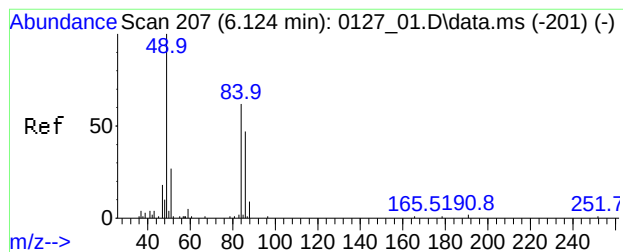
Tgt Ion: 101 Resp: 44872
Ion Ratio Lower Upper
101 100
103 64.1 53.4 80.2
66 12.3 9.3 13.9



#14
Isopropylalcohol
Conc: 8\$ 4.182 ppbv
RT: 5.633 min Scan# 228
Delta R.T. 0.006 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

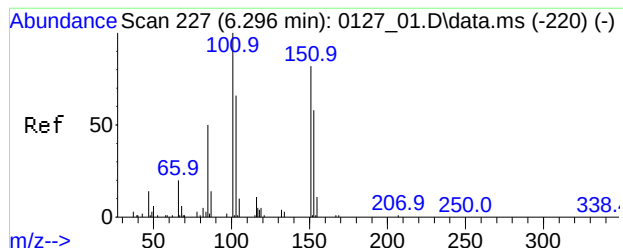
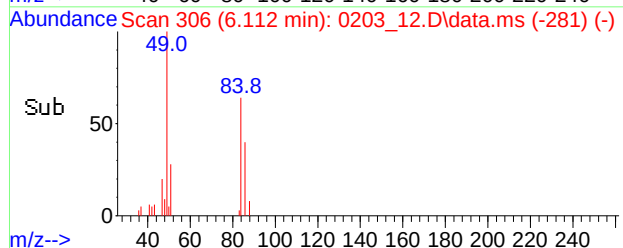
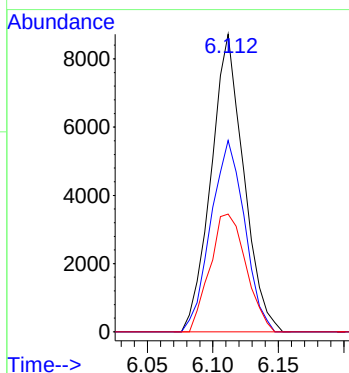
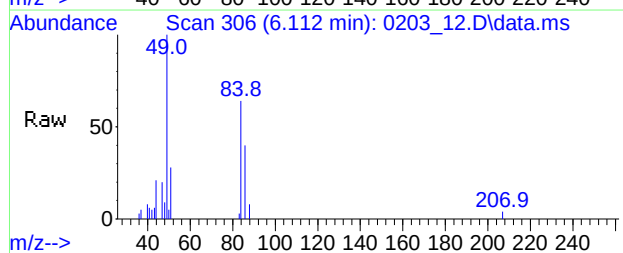
Tgt Ion: 45 Resp: 244905
Ion Ratio Lower Upper
45 100
43 21.7 13.3 19.9#
59 3.8 2.6 4.0





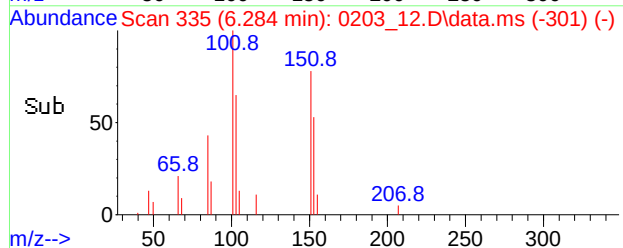
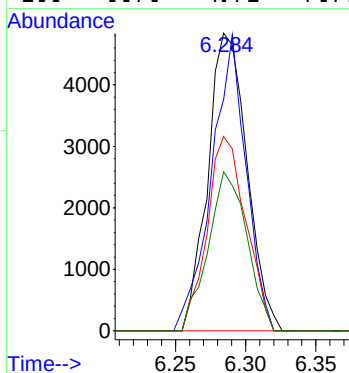
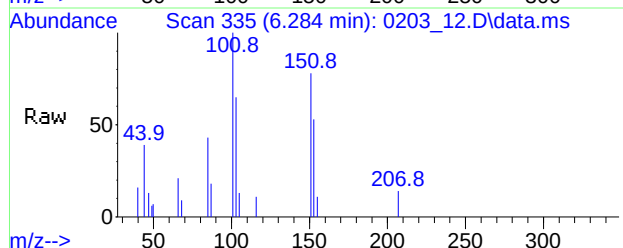
#17
Methylene Chloride
Conc: 8\$ 0.380 ppbv
RT: 6.112 min Scan# 306
Delta R.T. -0.000 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

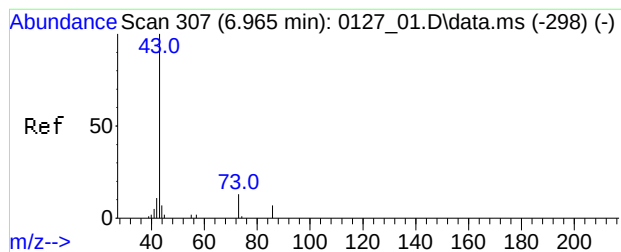
Tgt Ion: 49 Resp: 15125
Ion Ratio Lower Upper
49 100
84 66.9 46.1 69.1
86 43.9 30.9 46.3



#21
Trichlorotrifluoroethane
Conc: 8\$ Below Cal
RT: 6.284 min Scan# 335
Delta R.T. 0.000 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

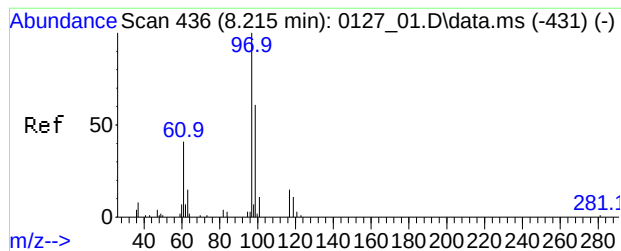
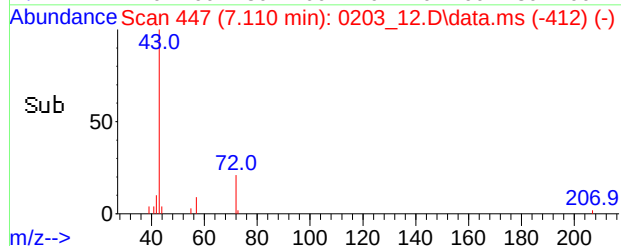
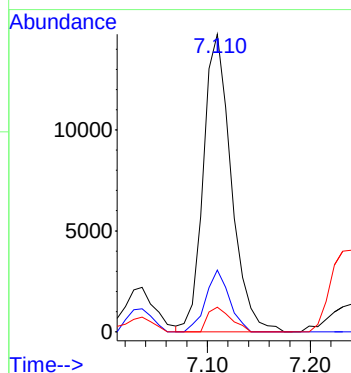
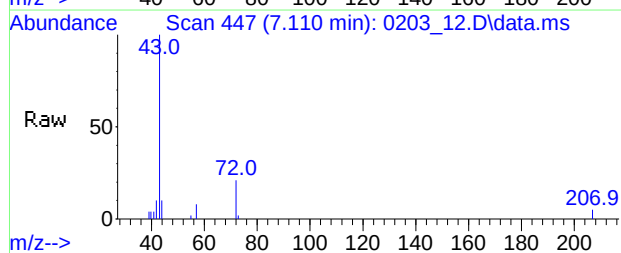
Tgt Ion: 101 Resp: 9370
Ion Ratio Lower Upper
101 100
151 87.5 78.2 117.2
103 64.4 53.1 79.7
153 53.0 49.2 73.8





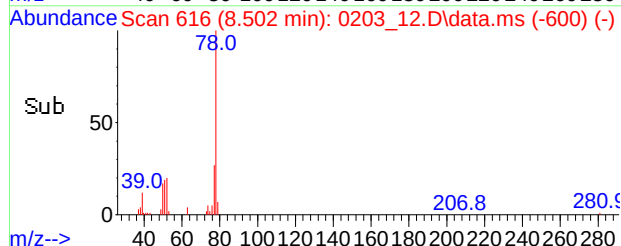
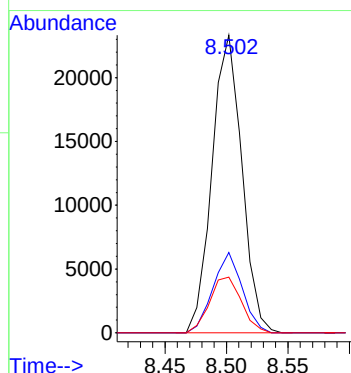
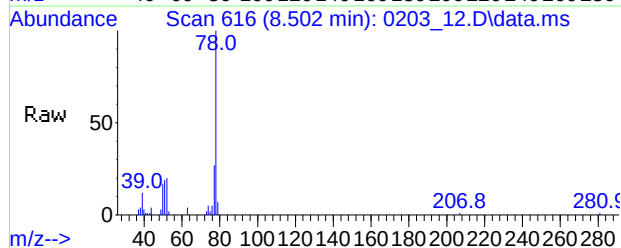
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.429 ppbv
RT: 7.110 min Scan# 447
Delta R.T. -0.016 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

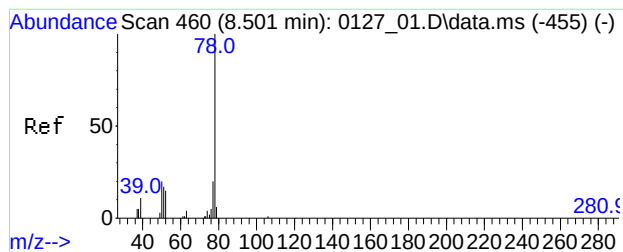
Tgt Ion: 43 Resp: 27699
Ion Ratio Lower Upper
43 100
72 17.5 13.1 19.7
57 6.9 6.6 9.8



#33
Benzene
Conc: 8\$ 0.445 ppbv
RT: 8.502 min Scan# 616
Delta R.T. -0.000 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

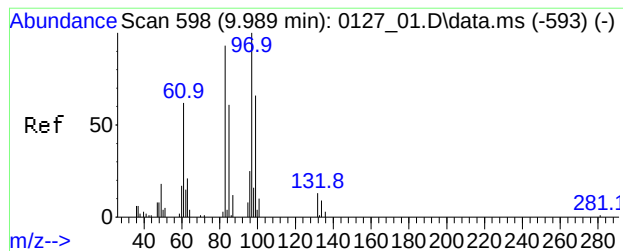
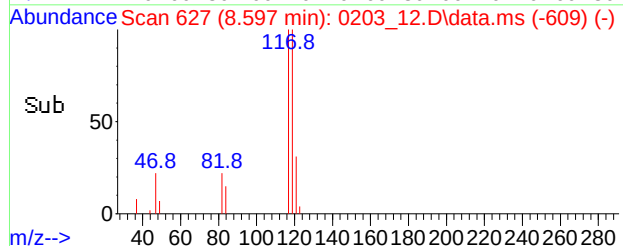
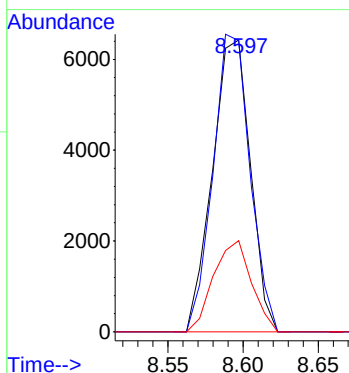
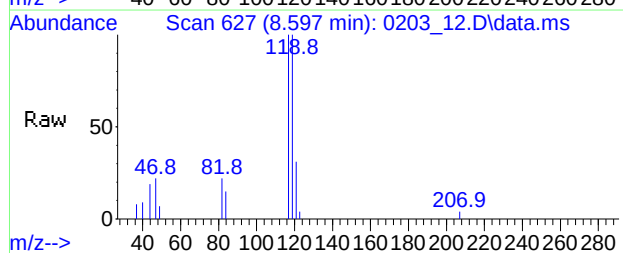
Tgt Ion: 78 Resp: 39336
Ion Ratio Lower Upper
78 100
77 26.5 18.8 28.2
51 20.0 18.1 27.1





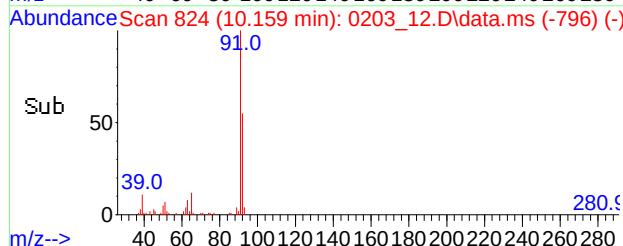
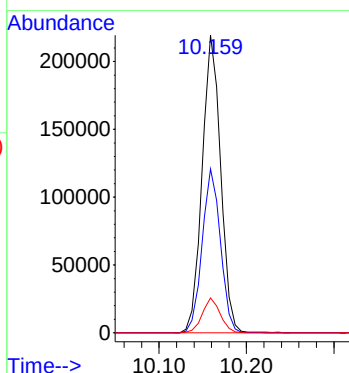
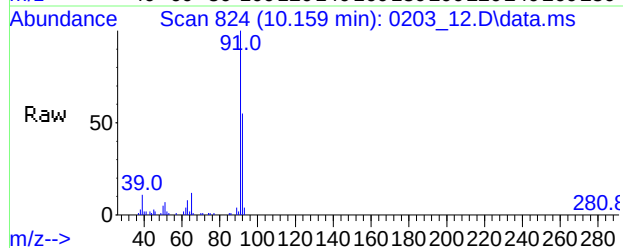
#34
Carbon Tetrachloride
Conc: 8\$ 0.153 ppbv
RT: 8.597 min Scan# 627
Delta R.T. 0.009 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

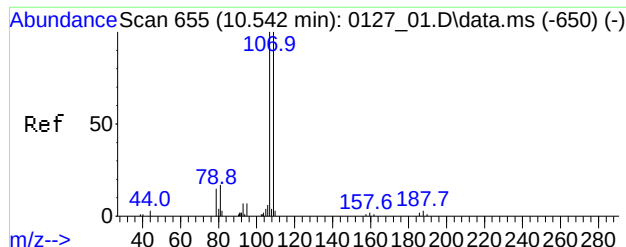
Tgt Ion: 117 Resp: 11309
Ion Ratio Lower Upper
117 100
119 99.3 76.5 116.5
121 31.2 11.2 51.2



#48
Toluene
Conc: 8\$ 2.970 ppbv
RT: 10.159 min Scan# 824
Delta R.T. -0.000 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

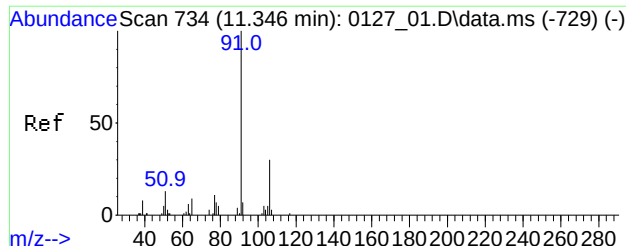
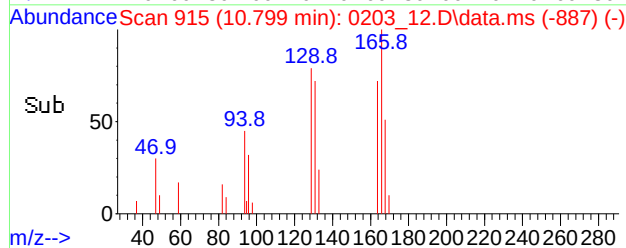
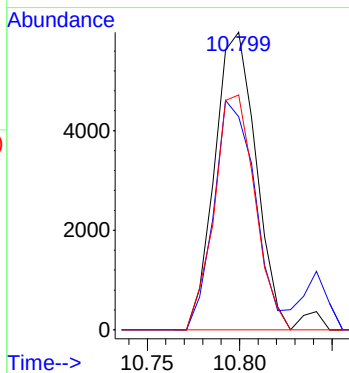
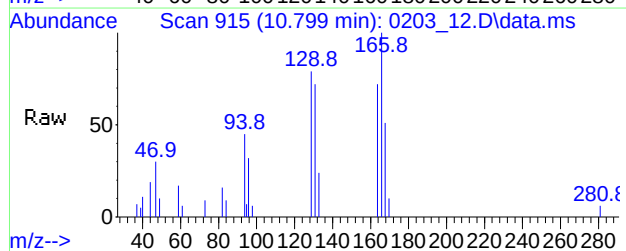
Tgt Ion: 91 Resp: 322448
Ion Ratio Lower Upper
91 100
92 54.4 45.0 67.4
65 11.3 9.4 14.2





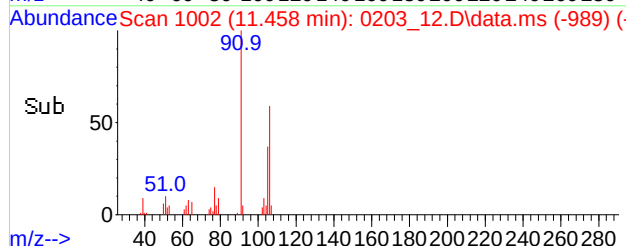
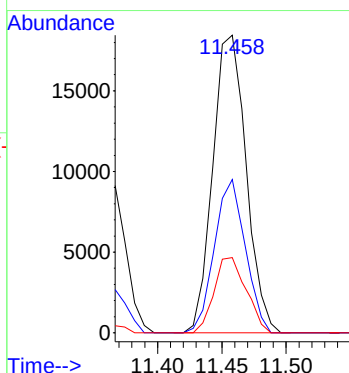
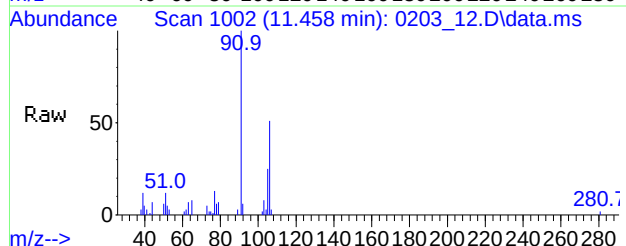
#52
Tetrachloroethene
Conc: 8\$ 0.153 ppbv
RT: 10.799 min Scan# 915
Delta R.T. 0.000 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

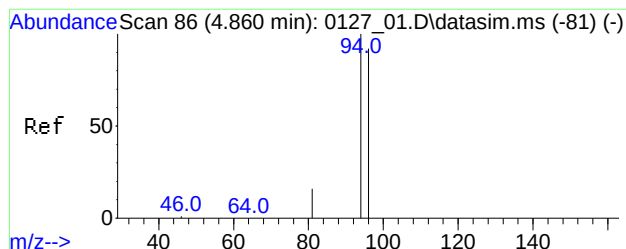
Tgt Ion	Ratio	Lower	Upper
166	100		
164	78.4	64.7	97.1
129	78.3	62.2	93.2



#57
m,p-Xylene
Conc: 8\$ 0.332 ppbv
RT: 11.458 min Scan# 1002
Delta R.T. -0.000 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

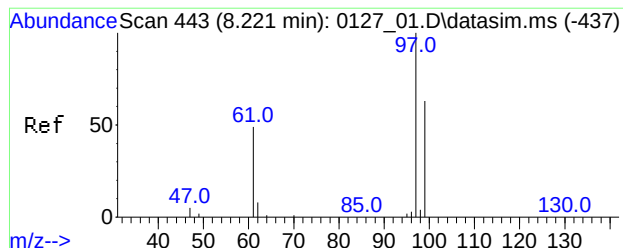
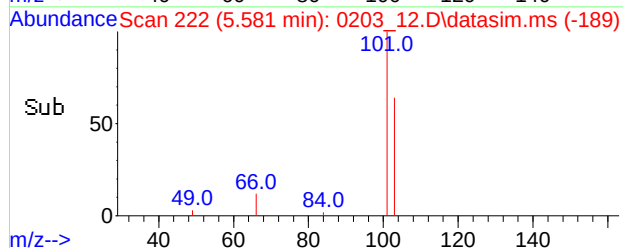
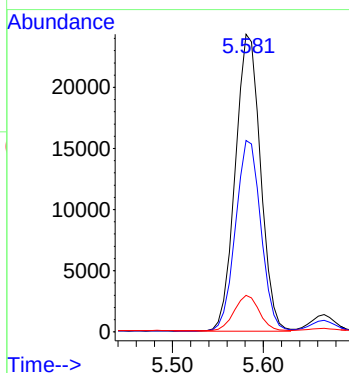
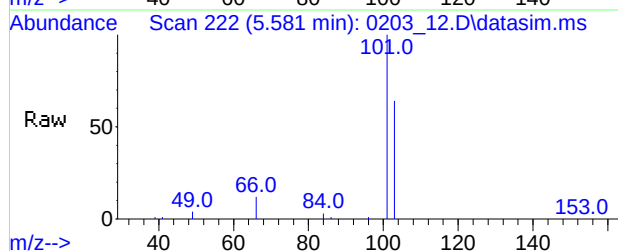
Tgt Ion	Ratio	Lower	Upper
91	100		
106	47.7	41.1	61.7
105	24.3	19.5	29.3





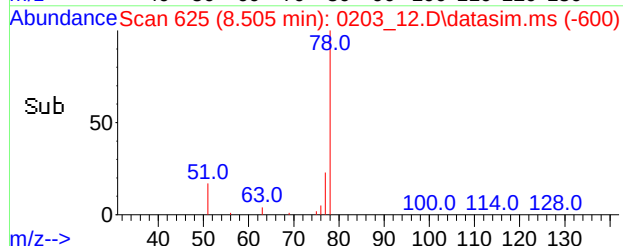
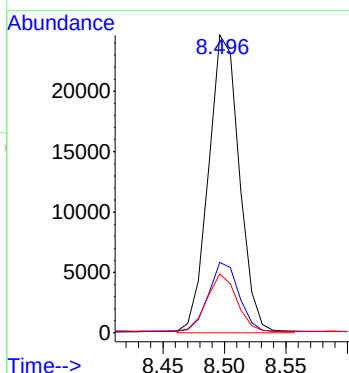
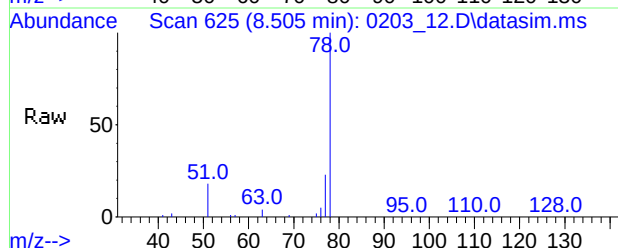
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.512 ppbv
RT: 5.581 min Scan# 222
Delta R.T. -0.000 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

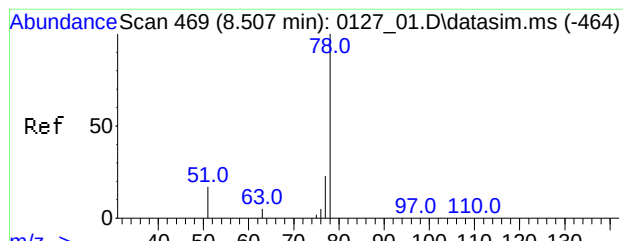
Tgt Ion: 101 Resp: 46805
Ion Ratio Lower Upper
101 100
103 64.4 52.4 78.6
66 12.0 11.4 11.4#



#87
Benzene(sim)
Conc: 8\$ 0.423 ppbv
RT: 8.502 min Scan# 625
Delta R.T. 0.006 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

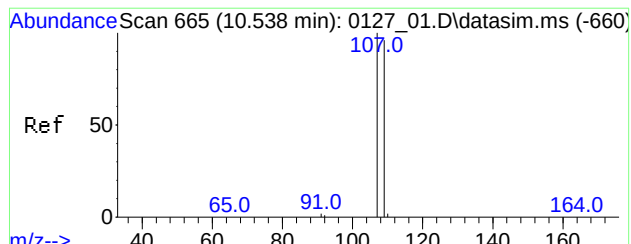
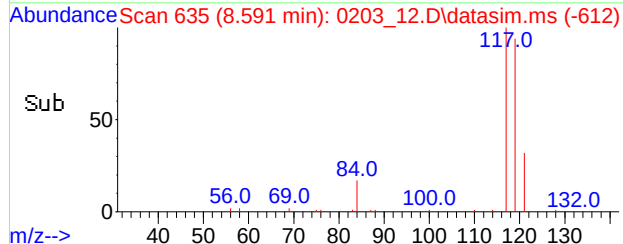
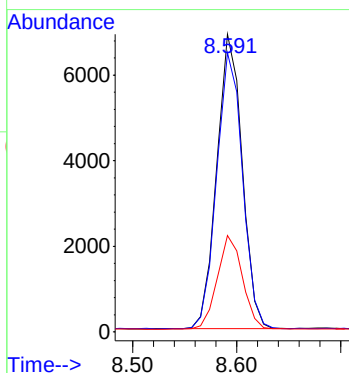
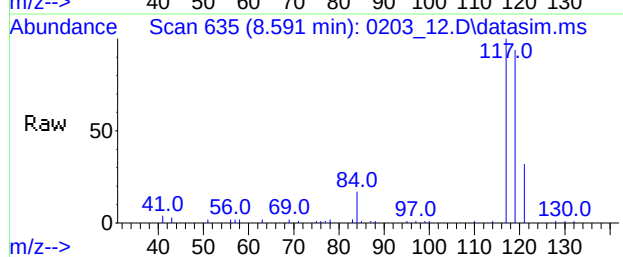
Tgt Ion: 78 Resp: 39336
Ion Ratio Lower Upper
78 100
77 26.5 18.8 28.2
51 20.0 18.1 27.1





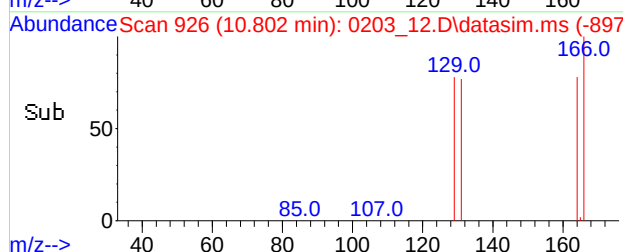
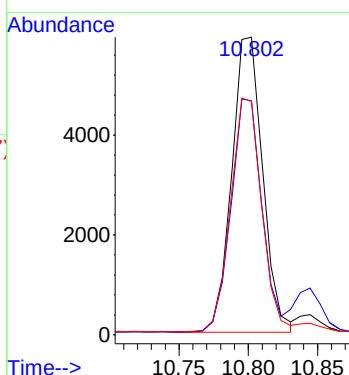
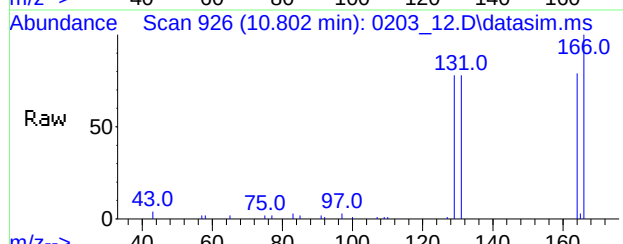
#88
Carbon Tetrachloride(sim)
Conc: 8\$ 0.163 ppbv
RT: 8.591 min Scan# 635
Delta R.T. 0.000 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

Tgt Ion:117 Resp: 11598
Ion Ratio Lower Upper
117 100
119 95.0 77.4 116.2
121 31.5 24.9 37.3



#104
Tetrachloroethene(sim)
Conc: 8\$ 0.128 ppbv
RT: 10.802 min Scan# 926
Delta R.T. 0.007 min
Lab File: 0203_12.D
Acq: 3 Feb 2025 8:38 pm

Tgt Ion:166 Resp: 9203
Ion Ratio Lower Upper
166 100
164 78.7 58.0 98.0
129 82.0 58.0 98.0



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 3693

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CANISTER BLK 3693
Canister:	CANBL	Lab File ID:	0110_22.D
Instrument:	CHEM39	Column:	
Purge Volume	200	(cc)	
Matrix:	AIR	Dilution Factor:	1
Date Received:			
Date Analyzed:	01/11/25		

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.746		0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 3693

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CANISTER BLK 3693
Canister:	CANBL	Lab File ID:	0110_22.D
Instrument:	CHEM39	Column:	
Purge Volume	200	(cc)	
Matrix:	AIR	Dilution Factor:	1
Date Received:			
Date Analyzed:	01/11/25		

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Batch Canister Certification

February 18, 2025

Batch Id: 3693

QC Canister Id: 776

SDG ID: GCS55361

Sample Canister Ids: 19165, 28549, 28568

Certification Date: 01/11/25 5:19 AM

Data File: H:\AIR2025\CHEM39\01JAN\10\0110_22.D\0110_22-39_AIR_1118.rr

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1,2-Tetrachloroethane	<0.146	1,1,1-Trichloroethane	<0.183
1,1,2,2-Tetrachloroethane	<0.146	1,1,2-Trichloroethane	<0.183
1,1-Dichloroethane	<0.247	1,1-Dichloroethene	<0.051
1,2,4-Trichlorobenzene	<0.135	1,2,4-Trimethylbenzene	<0.204
1,2-Dibromoethane(EDB)	<0.130	1,2-Dichlorobenzene	<0.166
1,2-Dichloroethane	<0.247	1,2-dichloropropane	<0.217
1,2-Dichlorotetrafluoroethane	<0.143	1,3,5-Trimethylbenzene	<0.204
1,3-Butadiene	<0.452	1,3-Dichlorobenzene	<0.166
1,4-Dichlorobenzene	<0.166	1,4-Dioxane	<0.278
2-Hexanone(MBK)	<0.244	4-Ethyltoluene	<0.204
4-Isopropyltoluene	<0.182	4-Methyl-2-pentanone(MIBK)	<0.244
Acetone	0.746	Acrylonitrile	<0.461
Benzene	<0.313	Benzyl chloride	<0.193
Bromodichloromethane	<0.149	Bromoform	<0.097
Bromomethane	<0.258	Carbon Disulfide	<0.321
Carbon Tetrachloride	<0.032	Chlorobenzene	<0.217
Chloroethane	<0.379	Chloroform	<0.205
Chloromethane	<0.485	Cis-1,2-Dichloroethene	<0.051
cis-1,3-Dichloropropene	<0.220	Cyclohexane	<0.291
Dibromochloromethane	<0.117	Dichlorodifluoromethane	<0.202
Ethanol	<0.531	Ethyl acetate	<0.278
Ethylbenzene	<0.230	Heptane	<0.244
Hexachlorobutadiene	<0.094	Hexane	<0.284
Isooctane	<0.215	Isopropylalcohol	<0.407
Isopropylbenzene	<0.204	m,p-Xylene	<0.230
Methyl Ethyl Ketone	<0.339	Methyl tert-butyl ether(MTBE)	<0.278
Methylene Chloride	<0.863	Naphthalene	<0.200
n-Butylbenzene	<0.182	o-Xylene	<0.230
Propylene	<0.581	sec-Butylbenzene	<0.182
Styrene	<0.235	Tetrachloroethene	<0.037
Tetrahydrofuran	<0.339	Toluene	<0.266
Trans-1,2-Dichloroethene	<0.252	trans-1,3-Dichloropropene	<0.220
Trichloroethene	<0.037	Trichlorofluoromethane	<0.178
Trichlorotrifluoroethane	<0.131	Vinyl Chloride	<0.078

Data Path : H:\AIR2025\CHEM39\01JAN\10\
Data File : 0110_22.D
Acq On : 11 Jan 2025 5:19 am
Operator :
Client ID : CANISTER BLK 3693
Lab ID : CANISTER BLK 3693
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 11 07:53:22 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1118.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Nov 19 13:22:13 2024
Response via : Initial Calibration

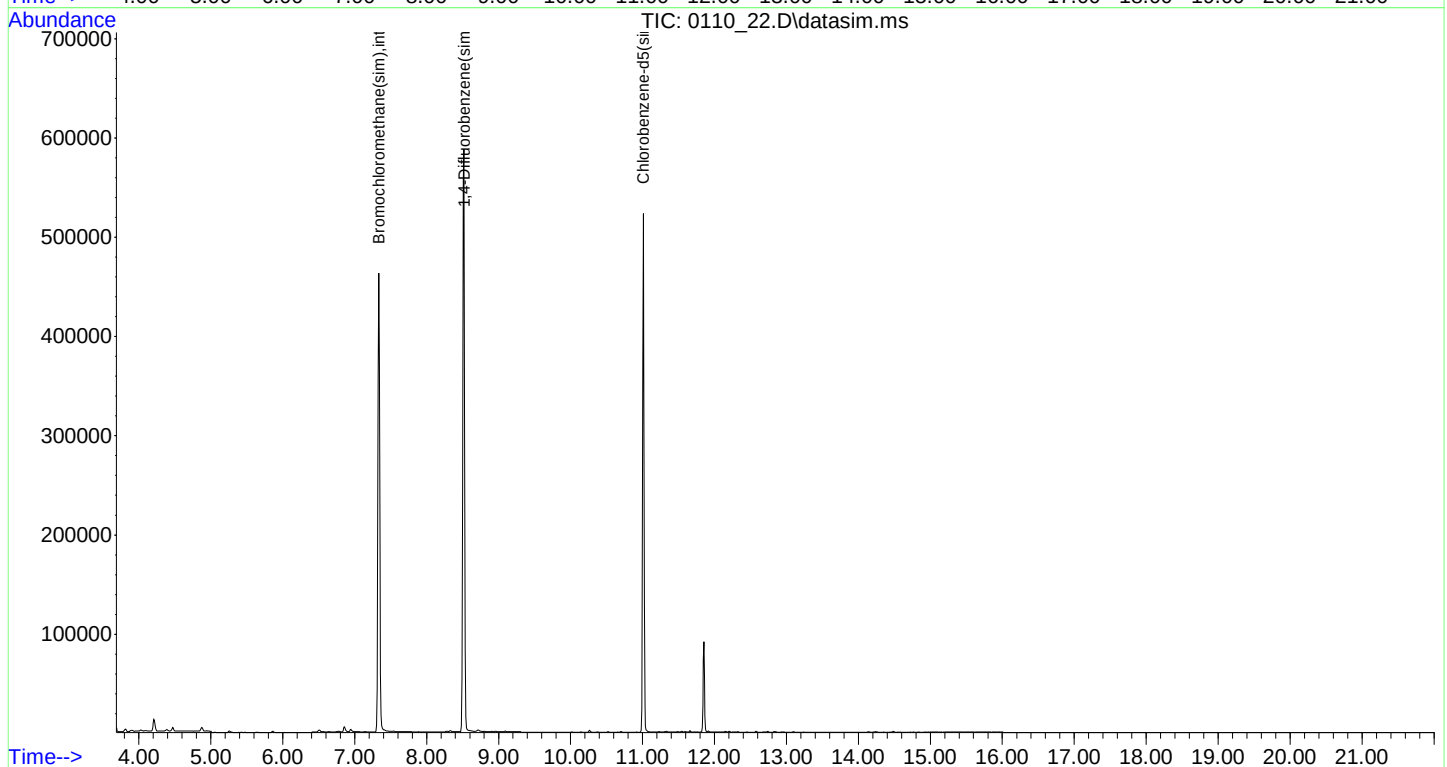
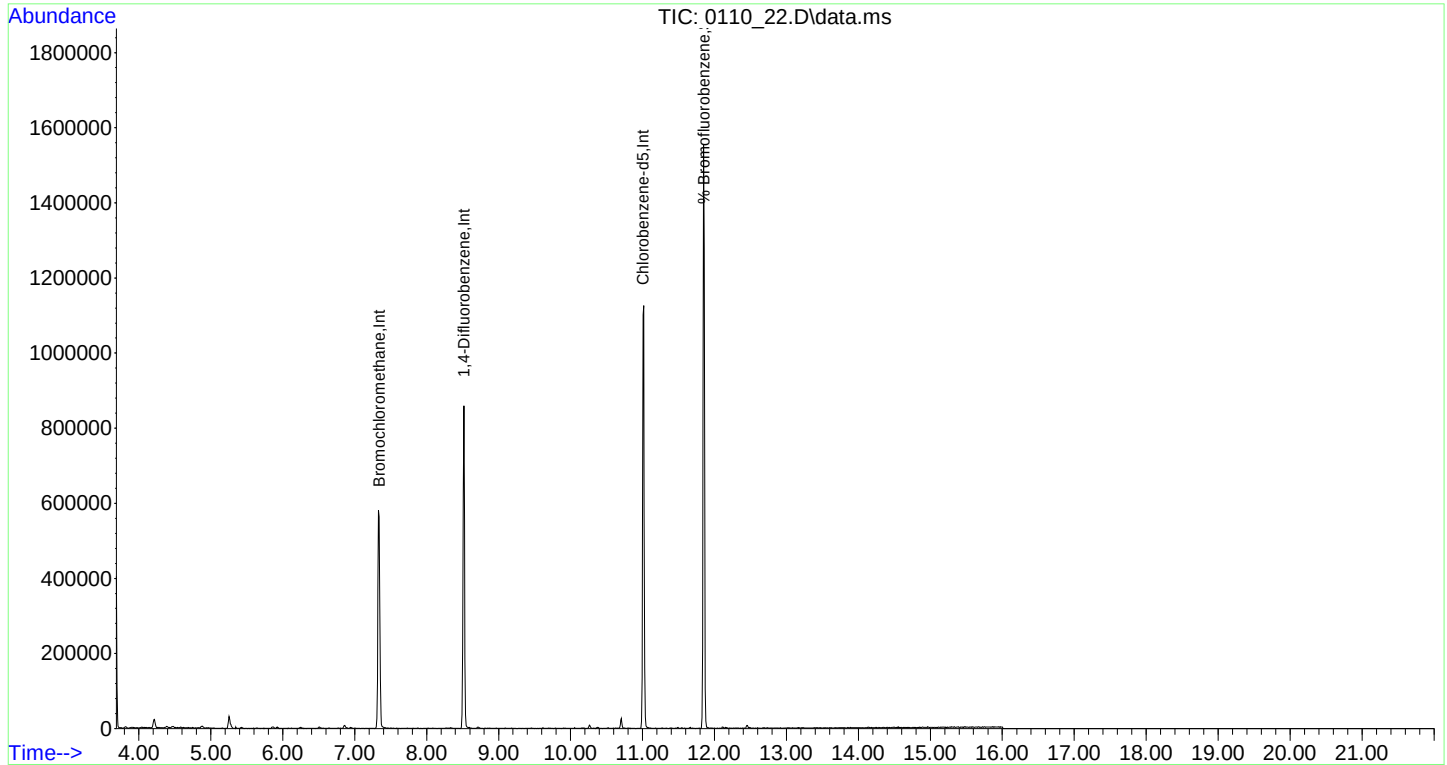
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

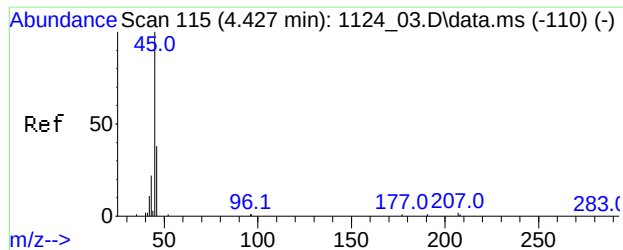
Internal Standards						
1) Bromochloromethane	7.340	130	141813	10.000	ng	0.02
36) 1,4-Difluorobenzene	8.516	114	480988	10.000	ng	0.00
53) Chlorobenzene-d5	11.008	82	244186	10.000	ng	0.00
80) Bromochloromethane(sim)	7.335	130	153483	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.516	114	480988	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.008	82	244186	10.000	ng	# 0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.850	95	353759	10.013	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 100.10%		
Target Compounds						
					Qvalue	
12) Acetone	5.255	43	36156	0.746	ppbv	88

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\01JAN\10\
Data File : 0110_22.D
Acq On : 11 Jan 2025 5:19 am
Operator :
Client ID : CANISTER BLK 3693
Lab ID : CANISTER BLK 3693
ALS Vial : 17 Sample Multiplier: 1

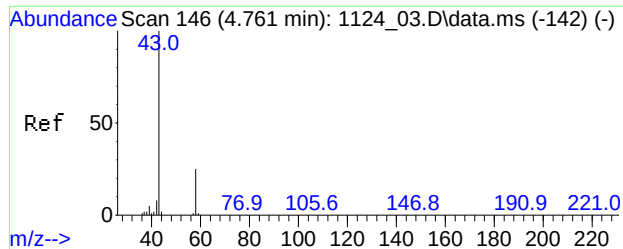
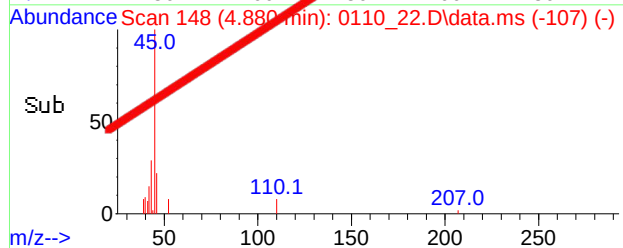
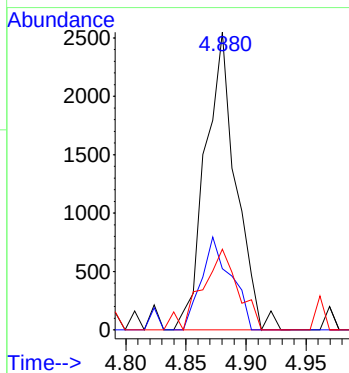
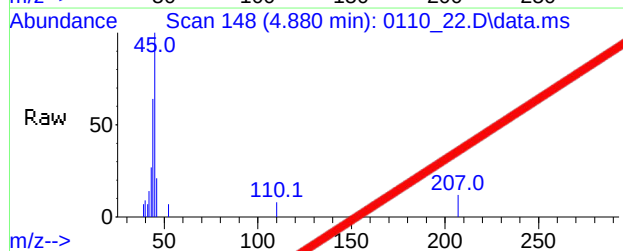
Quant Time: Jan 11 07:53:22 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_1118.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Nov 19 13:22:13 2024
Response via : Initial Calibration





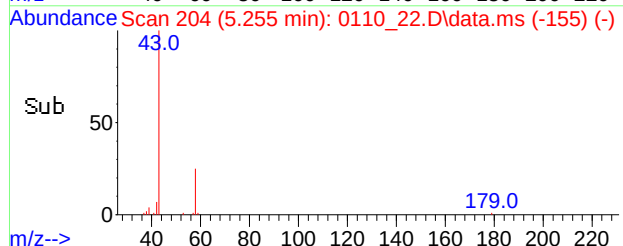
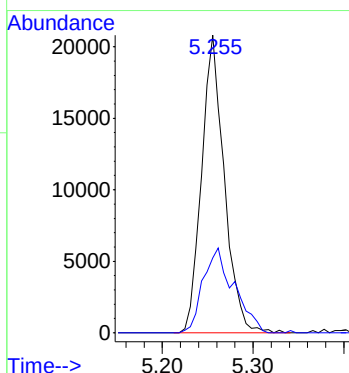
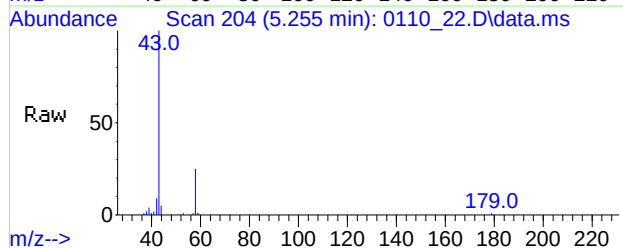
#11
Ethanol
Conc: 8\$ 0.383 ppbv
RT: 4.880 min Scan# 148
Delta R.T. 0.032 min
Lab File: 0110_22.D
Acq: 11 Jan 2025 5:19 am

Tgt Ion: 45 Resp: 4549
Ion Ratio Lower Upper
45 100
46 30.1 25.2 37.8
43 32.1 16.4 24.6#



#12
Acetone
Conc: 8\$ 0.746 ppbv
RT: 5.255 min Scan# 204
Delta R.T. 0.018 min
Lab File: 0110_22.D
Acq: 11 Jan 2025 5:19 am

Tgt Ion: 43 Resp: 36156
Ion Ratio Lower Upper
43 100
58 38.9 25.9 38.9



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	CANISTER BLK 3695
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CANISTER BLK 3695</u>	
Canister:	<u>CANBL</u>	Lab File ID:	<u>0113_36.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u> </u>	Date Received:
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>01/14/25</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.662		0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 3695

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CANISTER BLK 3695</u>
Canister:	<u>CANBL</u>	Lab File ID:	<u>0113_36.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u> </u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u> </u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>01/14/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Batch Canister Certification

February 18, 2025

Batch Id: 3695

QC Canister Id: 802

SDG ID: GCS55361

Sample Canister Ids: 23318, 28560

Certification Date: 01/14/25 4:50 AM

Data File: H:\AIR2025\CHEM24\01JAN\13\0113_36.D\0113_36-24_AIR_0105.rr

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1,2-Tetrachloroethane	<0.146	1,1,1-Trichloroethane	<0.183
1,1,2,2-Tetrachloroethane	<0.146	1,1,2-Trichloroethane	<0.183
1,1-Dichloroethane	<0.247	1,1-Dichloroethene	<0.051
1,2,4-Trichlorobenzene	<0.135	1,2,4-Trimethylbenzene	<0.204
1,2-Dibromoethane(EDB)	<0.130	1,2-Dichlorobenzene	<0.166
1,2-Dichloroethane	<0.247	1,2-dichloropropane	<0.217
1,2-Dichlorotetrafluoroethane	<0.143	1,3,5-Trimethylbenzene	<0.204
1,3-Butadiene	<0.452	1,3-Dichlorobenzene	<0.166
1,4-Dichlorobenzene	<0.166	1,4-Dioxane	<0.278
2-Hexanone(MBK)	<0.244	4-Ethyltoluene	<0.204
4-Isopropyltoluene	<0.182	4-Methyl-2-pentanone(MIBK)	<0.244
Acetone	0.662	Acrylonitrile	<0.461
Benzene	<0.313	Benzyl chloride	<0.193
Bromodichloromethane	<0.149	Bromoform	<0.097
Bromomethane	<0.258	Carbon Disulfide	<0.321
Carbon Tetrachloride	<0.032	Chlorobenzene	<0.217
Chloroethane	<0.379	Chloroform	<0.205
Chloromethane	<0.485	Cis-1,2-Dichloroethene	<0.051
cis-1,3-Dichloropropene	<0.220	Cyclohexane	<0.291
Dibromochloromethane	<0.117	Dichlorodifluoromethane	<0.202
Ethanol	<0.531	Ethyl acetate	<0.278
Ethylbenzene	<0.230	Heptane	<0.244
Hexachlorobutadiene	<0.094	Hexane	<0.284
Isooctane	<0.215	Isopropylalcohol	<0.407
Isopropylbenzene	<0.204	m,p-Xylene	<0.230
Methyl Ethyl Ketone	<0.339	Methyl tert-butyl ether(MTBE)	<0.278
Methylene Chloride	<0.863	Naphthalene	<0.200
n-Butylbenzene	<0.182	o-Xylene	<0.230
Propylene	<0.581	sec-Butylbenzene	<0.182
Styrene	<0.235	Tetrachloroethene	<0.037
Tetrahydrofuran	<0.339	Toluene	<0.266
Trans-1,2-Dichloroethene	<0.252	trans-1,3-Dichloropropene	<0.220
Trichloroethene	<0.037	Trichlorofluoromethane	<0.178
Trichlorotrifluoroethane	<0.131	Vinyl Chloride	<0.078

Data Path : H:\AIR2025\CHEM24\01JAN\13\
 Data File : 0113_36.D
 Acq On : 14 Jan 2025 4:50 am
 Operator : Keith
 Client ID : CANISTER BLK 3695
 Lab ID : CANISTER BLK 3695
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jan 14 08:27:34 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0105.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Oct 21 10:04:28 2024
 Response via : Initial Calibration

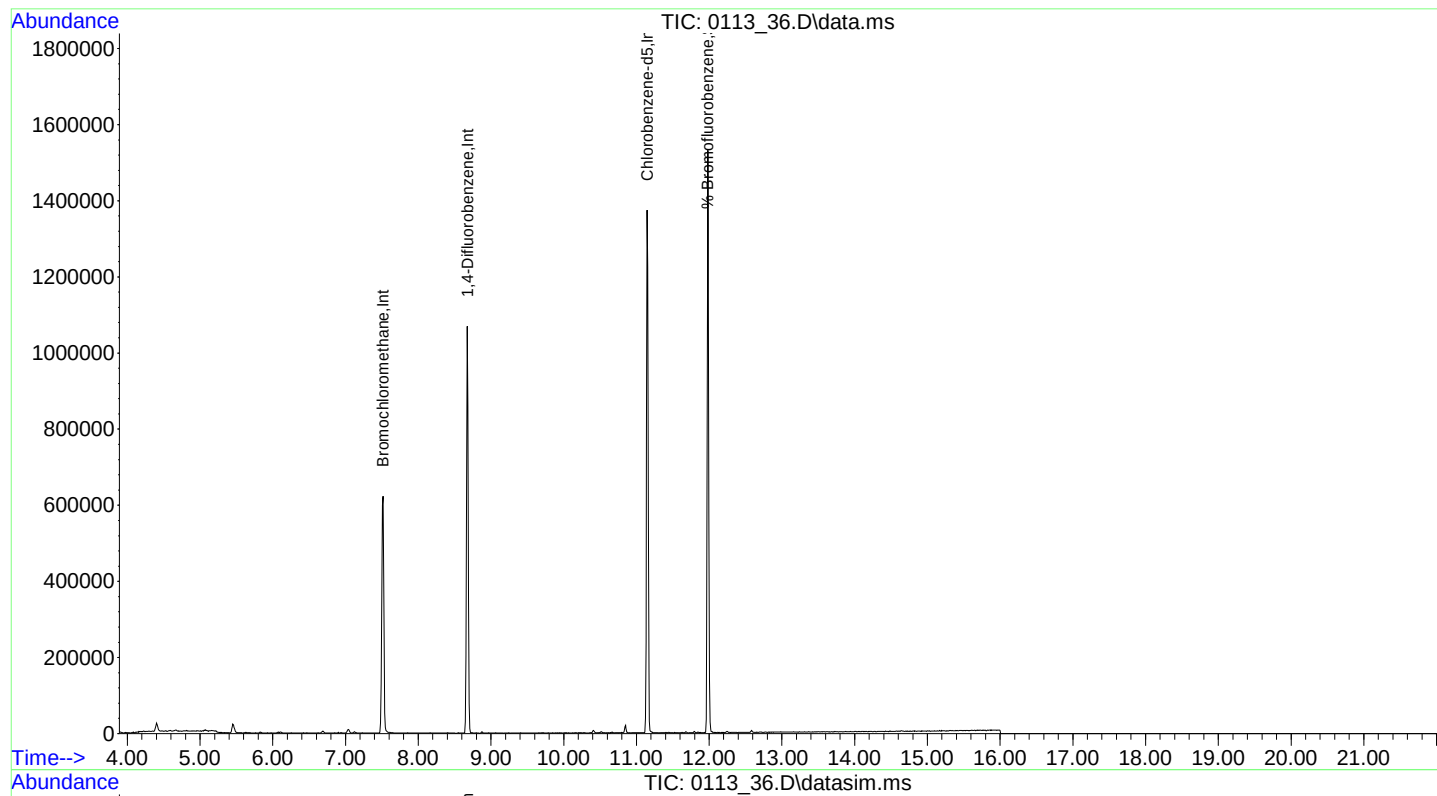
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

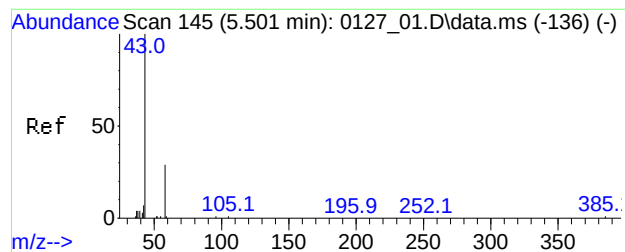
Internal Standards						
1) Bromochloromethane	7.515	130	214042	10.000	ng	0.00
37) 1,4-Difluorobenzene	8.675	114	737213	10.000	ng	0.00
54) Chlorobenzene-d5	11.147	82	346052	10.000	ng	0.00
81) Bromochloromethane(sim)	7.510	130	215758	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	8.675	114	737218	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	11.147	82	346052	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.981	95	414433	9.254	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	92.50%	
Target Compounds						
					Qvalue	
12) Acetone	5.449	43	27992	0.662	ppbv#	81

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\13\
Data File : 0113_36.D
Acq On : 14 Jan 2025 4:50 am
Operator : Keith
Client ID : CANISTER BLK 3695
Lab ID : CANISTER BLK 3695
ALS Vial : 27 Sample Multiplier: 1

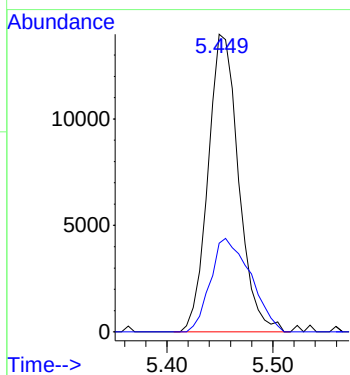
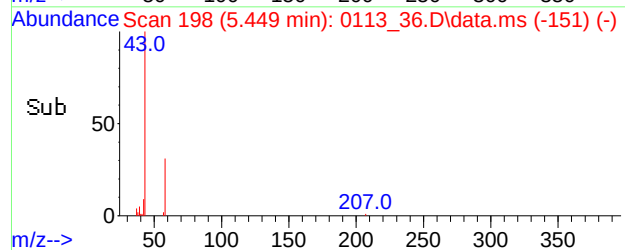
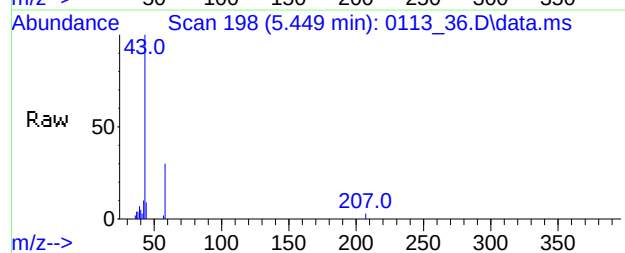
Quant Time: Jan 14 08:27:34 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0105.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Oct 21 10:04:28 2024
Response via : Initial Calibration





#12
 Acetone
 Conc: 8\$ 0.662 ppbv
 RT: 5.449 min Scan# 198
 Delta R.T. 0.006 min
 Lab File: 0113_36.D
 Acq: 14 Jan 2025 4:50 am

Tgt Ion: 43 Resp: 27992
 Ion Ratio Lower Upper
 43 100
 58 41.3 24.6 37.0#



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 3711

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CANISTER BLK 3711
Canister:	CANBL	Lab File ID:	0120_20.D
Instrument:	CHEM24	Column:	
Purge Volume	200	(cc)	
Matrix:	AIR	Dilution Factor:	1
Date Received:			
Date Analyzed:	01/21/25		

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.602		0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 3711

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CANISTER BLK 3711
Canister:	CANBL	Lab File ID:	0120_20.D
Instrument:	CHEM24	Column:	
Purge Volume	200	(cc)	
Matrix:	AIR	Dilution Factor:	1
Date Received:			
Date Analyzed:	01/21/25		

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Batch Canister Certification

February 18, 2025

Batch Id: 3711

QC Canister Id: 791

SDG ID: GCS55361

Sample Canister Ids: 21357

Certification Date: 01/21/25 3:13 AM

Data File: H:\AIR2025\CHEM24\01JAN\20\0120_20.D\0120_20-24_AIR_0114.rr

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1,2-Tetrachloroethane	<0.146	1,1,1-Trichloroethane	<0.183
1,1,2,2-Tetrachloroethane	<0.146	1,1,2-Trichloroethane	<0.183
1,1-Dichloroethane	<0.247	1,1-Dichloroethene	<0.051
1,2,4-Trichlorobenzene	<0.135	1,2,4-Trimethylbenzene	<0.204
1,2-Dibromoethane(EDB)	<0.130	1,2-Dichlorobenzene	<0.166
1,2-Dichloroethane	<0.247	1,2-dichloropropane	<0.217
1,2-Dichlorotetrafluoroethane	<0.143	1,3,5-Trimethylbenzene	<0.204
1,3-Butadiene	<0.452	1,3-Dichlorobenzene	<0.166
1,4-Dichlorobenzene	<0.166	1,4-Dioxane	<0.278
2-Hexanone(MBK)	<0.244	4-Ethyltoluene	<0.204
4-Isopropyltoluene	<0.182	4-Methyl-2-pentanone(MIBK)	<0.244
Acetone	0.602	Acrylonitrile	<0.461
Benzene	<0.313	Benzyl chloride	<0.193
Bromodichloromethane	<0.149	Bromoform	<0.097
Bromomethane	<0.258	Carbon Disulfide	<0.321
Carbon Tetrachloride	<0.032	Chlorobenzene	<0.217
Chloroethane	<0.379	Chloroform	<0.205
Chloromethane	<0.485	Cis-1,2-Dichloroethene	<0.051
cis-1,3-Dichloropropene	<0.220	Cyclohexane	<0.291
Dibromochloromethane	<0.117	Dichlorodifluoromethane	<0.202
Ethanol	<0.531	Ethyl acetate	<0.278
Ethylbenzene	<0.230	Heptane	<0.244
Hexachlorobutadiene	<0.094	Hexane	<0.284
Isooctane	<0.215	Isopropylalcohol	<0.407
Isopropylbenzene	<0.204	m,p-Xylene	<0.230
Methyl Ethyl Ketone	<0.339	Methyl tert-butyl ether(MTBE)	<0.278
Methylene Chloride	<0.863	Naphthalene	<0.200
n-Butylbenzene	<0.182	o-Xylene	<0.230
Propylene	<0.581	sec-Butylbenzene	<0.182
Styrene	<0.235	Tetrachloroethene	<0.037
Tetrahydrofuran	<0.339	Toluene	<0.266
Trans-1,2-Dichloroethene	<0.252	trans-1,3-Dichloropropene	<0.220
Trichloroethene	<0.037	Trichlorofluoromethane	<0.178
Trichlorotrifluoroethane	<0.131	Vinyl Chloride	<0.078

Data Path : H:\AIR2025\CHEM24\01JAN\20\
 Data File : 0120_20.D
 Acq On : 21 Jan 2025 3:13 am
 Operator : Keith
 Client ID : CANISTER BLK 3711
 Lab ID : CANISTER BLK 3711
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 21 04:59:58 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 18:25:49 2025
 Response via : Initial Calibration

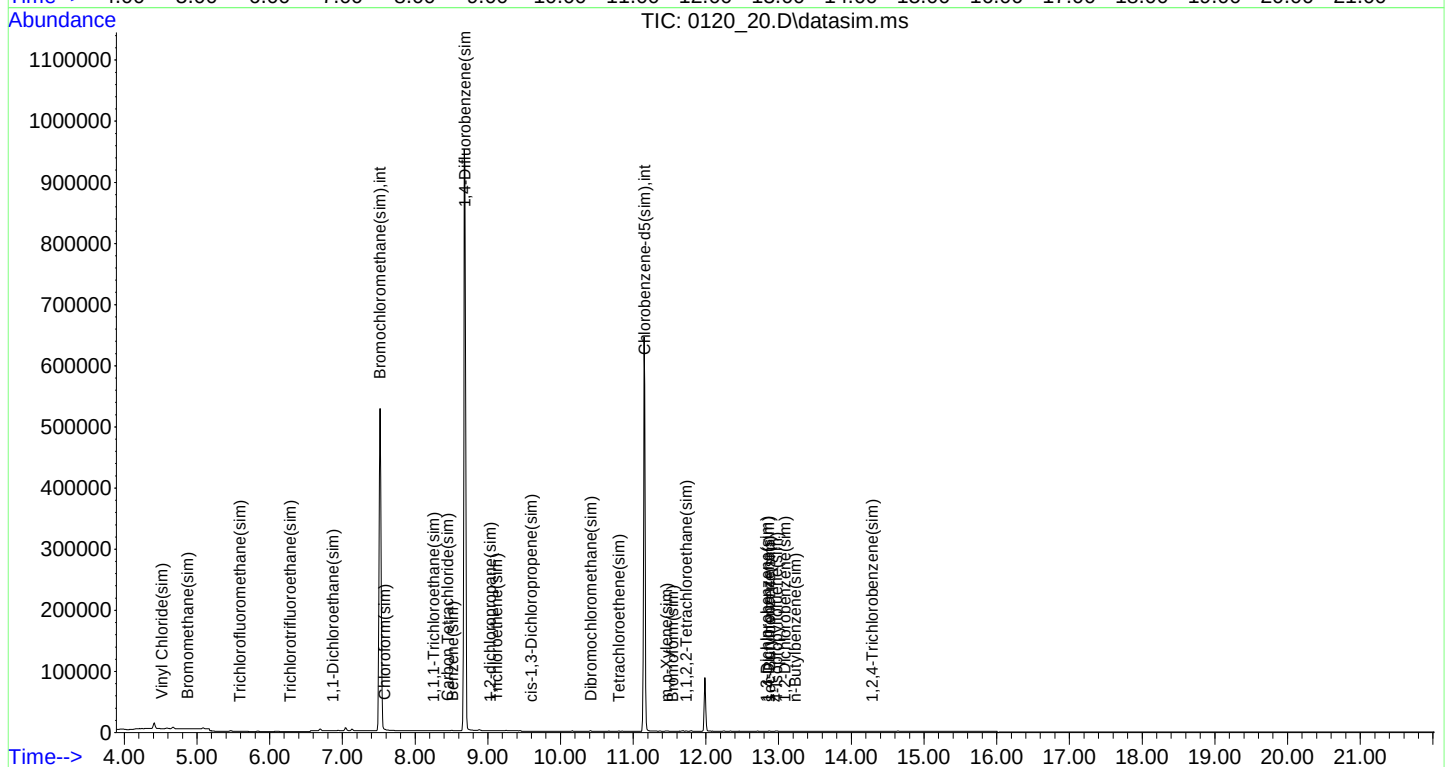
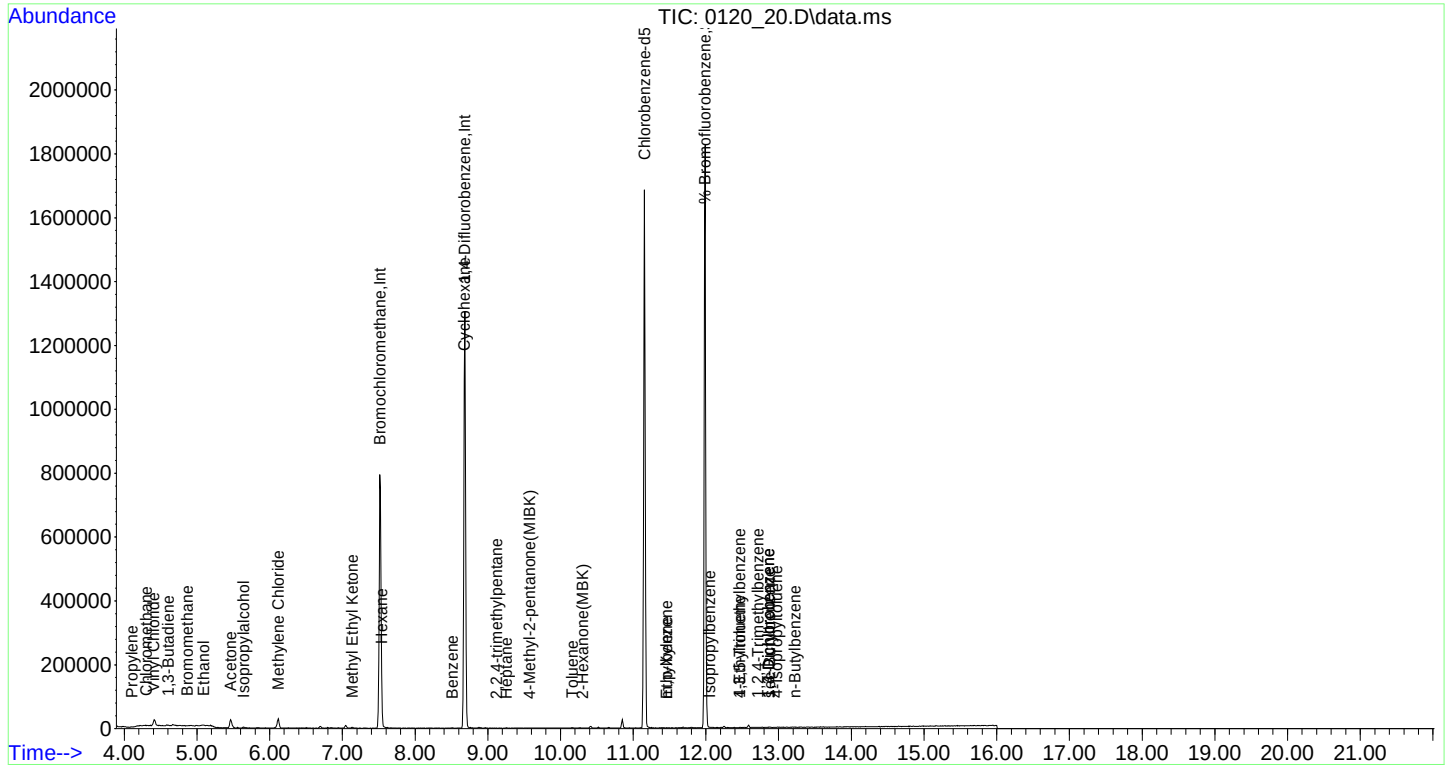
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

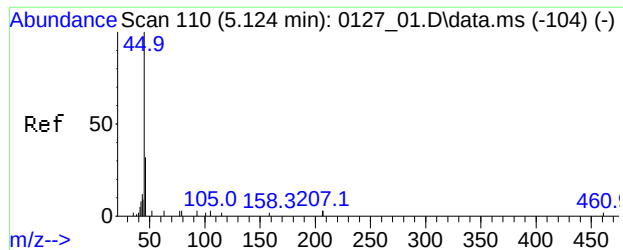
Internal Standards						
1) Bromochloromethane	7.515	130	268247	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.683	114	912270	10.000	ng	0.00
53) Chlorobenzene-d5	11.155	82	423013	10.000	ng	0.00
80) Bromochloromethane(sim)	7.518	130	272158	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.683	114	912270	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.155	82	423013	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.989	95	496598	9.617	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	96.20%	
Target Compounds						
					Qvalue	
12) Acetone	5.461	43	30076	0.602	ppbv#	88

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\20\
Data File : 0120_20.D
Acq On : 21 Jan 2025 3:13 am
Operator : Keith
Client ID : CANISTER BLK 3711
Lab ID : CANISTER BLK 3711
ALS Vial : 21 Sample Multiplier: 1

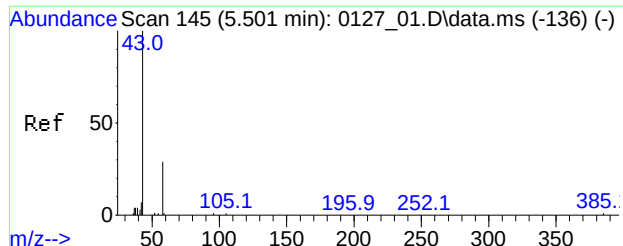
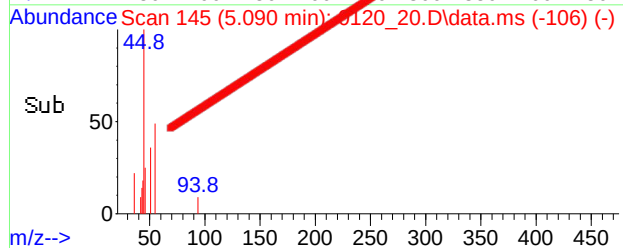
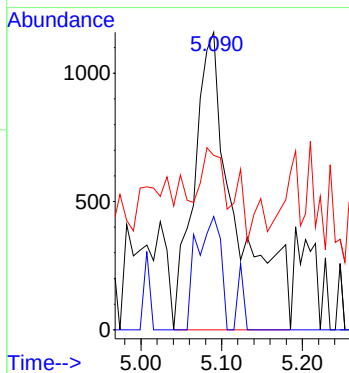
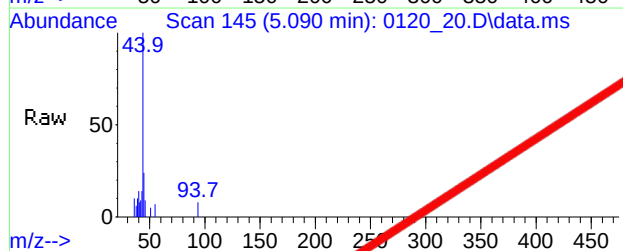
Quant Time: Jan 21 04:59:58 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 18:25:49 2025
Response via : Initial Calibration





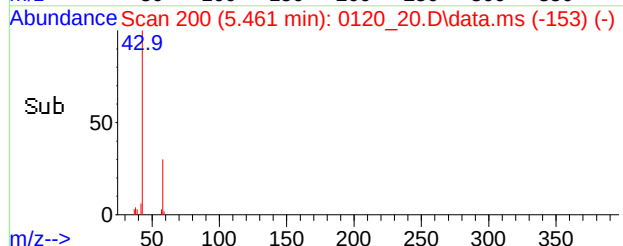
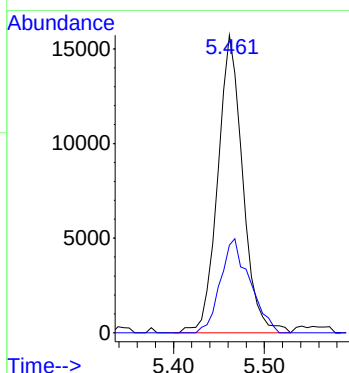
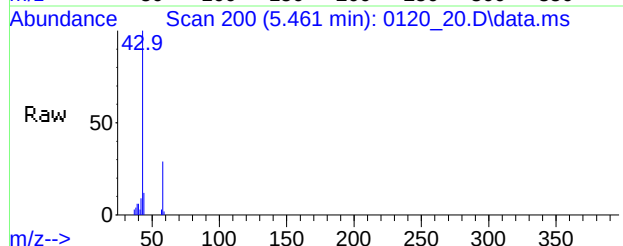
#11
Ethanol
Conc: 8\$ 0.291 ppbv
RT: 5.090 min Scan# 145
Delta R.T. 0.025 min
Lab File: 0120_20.D
Acq: 21 Jan 2025 3:13 am

Tgt Ion: 45 Resp: 4280
Ion Ratio Lower Upper
45 100
46 21.3 25.0 37.6#
43 16.9 20.0 30.0#



#12
Acetone
Conc: 8\$ 0.602 ppbv
RT: 5.461 min Scan# 200
Delta R.T. 0.006 min
Lab File: 0120_20.D
Acq: 21 Jan 2025 3:13 am

Tgt Ion: 43 Resp: 30076
Ion Ratio Lower Upper
43 100
58 37.2 24.6 37.0#



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 3712

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCS55361</u>	Lab Sample ID:	<u>CANISTER BLK 3712</u>
Canister:	<u>CANBL</u>	Lab File ID:	<u>0121_07.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u> </u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u> </u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>01/21/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.421	U	0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 3712

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CANISTER BLK 3712
Canister:	CANBL	Lab File ID:	0121_07.D
Instrument:	CHEM24	Column:	
Purge Volume	200	(cc)	
Matrix:	AIR	Dilution Factor:	1
Date Received:			
Date Analyzed:	01/21/25		

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Batch Canister Certification

February 18, 2025

Batch Id: 3712

QC Canister Id: 704

SDG ID: GCS55361

Sample Canister Ids: 23326, 4629, 494, 8230

Certification Date: 01/21/25 3:07 PM

Data File: H:\AIR2025\CHEM24\01JAN\20\0121_07.D\0121_07-24_AIR_0114.rr

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1,2-Tetrachloroethane	<0.146	1,1,1-Trichloroethane	<0.183
1,1,2,2-Tetrachloroethane	<0.146	1,1,2-Trichloroethane	<0.183
1,1-Dichloroethane	<0.247	1,1-Dichloroethene	<0.051
1,2,4-Trichlorobenzene	<0.135	1,2,4-Trimethylbenzene	<0.204
1,2-Dibromoethane(EDB)	<0.130	1,2-Dichlorobenzene	<0.166
1,2-Dichloroethane	<0.247	1,2-dichloropropane	<0.217
1,2-Dichlorotetrafluoroethane	<0.143	1,3,5-Trimethylbenzene	<0.204
1,3-Butadiene	<0.452	1,3-Dichlorobenzene	<0.166
1,4-Dichlorobenzene	<0.166	1,4-Dioxane	<0.278
2-Hexanone(MBK)	<0.244	4-Ethyltoluene	<0.204
4-Isopropyltoluene	<0.182	4-Methyl-2-pentanone(MIBK)	<0.244
Acetone	<0.421	Acrylonitrile	<0.461
Benzene	<0.313	Benzyl chloride	<0.193
Bromodichloromethane	<0.149	Bromoform	<0.097
Bromomethane	<0.258	Carbon Disulfide	<0.321
Carbon Tetrachloride	<0.032	Chlorobenzene	<0.217
Chloroethane	<0.379	Chloroform	<0.205
Chloromethane	<0.485	Cis-1,2-Dichloroethene	<0.051
cis-1,3-Dichloropropene	<0.220	Cyclohexane	<0.291
Dibromochloromethane	<0.117	Dichlorodifluoromethane	<0.202
Ethanol	<0.531	Ethyl acetate	<0.278
Ethylbenzene	<0.230	Heptane	<0.244
Hexachlorobutadiene	<0.094	Hexane	<0.284
Isooctane	<0.215	Isopropylalcohol	<0.407
Isopropylbenzene	<0.204	m,p-Xylene	<0.230
Methyl Ethyl Ketone	<0.339	Methyl tert-butyl ether(MTBE)	<0.278
Methylene Chloride	<0.863	Naphthalene	<0.200
n-Butylbenzene	<0.182	o-Xylene	<0.230
Propylene	<0.581	sec-Butylbenzene	<0.182
Styrene	<0.235	Tetrachloroethene	<0.037
Tetrahydrofuran	<0.339	Toluene	<0.266
Trans-1,2-Dichloroethene	<0.252	trans-1,3-Dichloropropene	<0.220
Trichloroethene	<0.037	Trichlorofluoromethane	<0.178
Trichlorotrifluoroethane	<0.131	Vinyl Chloride	<0.078

Data Path : H:\AIR2025\CHEM24\01JAN\20\
 Data File : 0121_07.D
 Acq On : 21 Jan 2025 3:07 pm
 Operator : Keith
 Client ID : CANISTER BLK 3712
 Lab ID : CANISTER BLK 3712
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 22 06:51:06 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 18:25:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.515	130	263631	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	898418	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	427276	10.000	ng	0.00
80) Bromochloromethane(sim)	7.510	130	265848	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	898418	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	427276	10.000	ng	0.00

System Monitoring Compounds

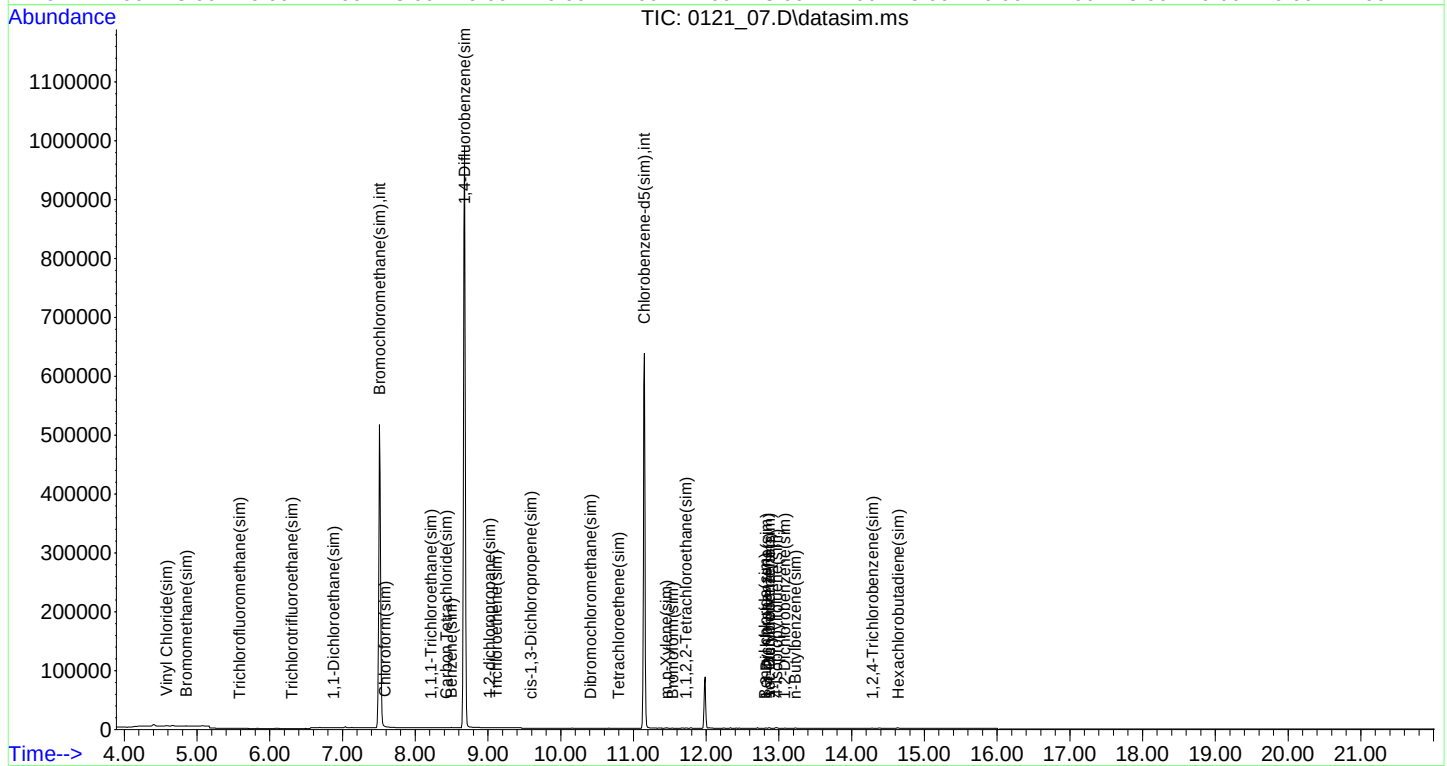
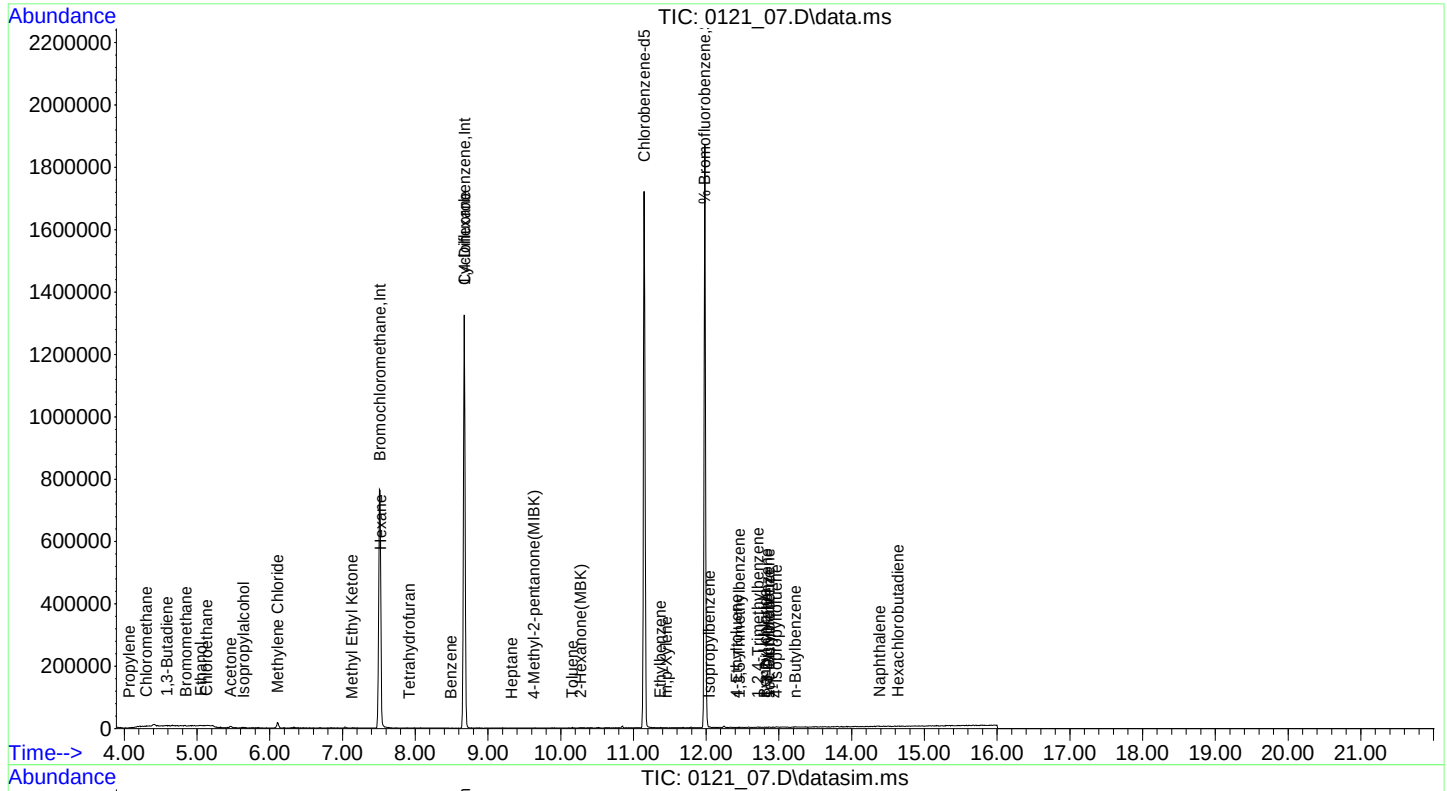
62) % Bromofluorobenzene	11.981	95	497162	9.532	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	95.30%

Target Compounds	Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\20\
Data File : 0121_07.D
Acq On : 21 Jan 2025 3:07 pm
Operator : Keith
Client ID : CANISTER BLK 3712
Lab ID : CANISTER BLK 3712
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 22 06:51:06 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 18:25:49 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 3713

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CANISTER BLK 3713
Canister:	CANBL	Lab File ID:	0121_08.D
Instrument:	CHEM24	Column:	
Purge Volume	200	(cc)	
Matrix:	AIR	Dilution Factor:	1
Date Received:			
Date Analyzed:	01/21/25		

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.421	U	0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 3713

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCS55361	Lab Sample ID:	CANISTER BLK 3713
Canister:	CANBL	Lab File ID:	0121_08.D
Instrument:	CHEM24	Column:	
Purge Volume	200	(cc)	
Matrix:	AIR	Dilution Factor:	1
Date Received:			
Date Analyzed:	01/21/25		

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Batch Canister Certification

February 18, 2025

Batch Id: 3713

QC Canister Id: 769

SDG ID: GCS55361

Sample Canister Ids: 17160, 23352, 49223

Certification Date: 01/21/25 3:44 PM

Data File: H:\AIR2025\CHEM24\01JAN\20\0121_08.D\0121_08-24_AIR_0114.rr

Project ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1,2-Tetrachloroethane	<0.146	1,1,1-Trichloroethane	<0.183
1,1,2,2-Tetrachloroethane	<0.146	1,1,2-Trichloroethane	<0.183
1,1-Dichloroethane	<0.247	1,1-Dichloroethene	<0.051
1,2,4-Trichlorobenzene	<0.135	1,2,4-Trimethylbenzene	<0.204
1,2-Dibromoethane(EDB)	<0.130	1,2-Dichlorobenzene	<0.166
1,2-Dichloroethane	<0.247	1,2-dichloropropane	<0.217
1,2-Dichlorotetrafluoroethane	<0.143	1,3,5-Trimethylbenzene	<0.204
1,3-Butadiene	<0.452	1,3-Dichlorobenzene	<0.166
1,4-Dichlorobenzene	<0.166	1,4-Dioxane	<0.278
2-Hexanone(MBK)	<0.244	4-Ethyltoluene	<0.204
4-Isopropyltoluene	<0.182	4-Methyl-2-pentanone(MIBK)	<0.244
Acetone	<0.421	Acrylonitrile	<0.461
Benzene	<0.313	Benzyl chloride	<0.193
Bromodichloromethane	<0.149	Bromoform	<0.097
Bromomethane	<0.258	Carbon Disulfide	<0.321
Carbon Tetrachloride	<0.032	Chlorobenzene	<0.217
Chloroethane	<0.379	Chloroform	<0.205
Chloromethane	<0.485	Cis-1,2-Dichloroethene	<0.051
cis-1,3-Dichloropropene	<0.220	Cyclohexane	<0.291
Dibromochloromethane	<0.117	Dichlorodifluoromethane	<0.202
Ethanol	<0.531	Ethyl acetate	<0.278
Ethylbenzene	<0.230	Heptane	<0.244
Hexachlorobutadiene	<0.094	Hexane	<0.284
Isooctane	<0.215	Isopropylalcohol	<0.407
Isopropylbenzene	<0.204	m,p-Xylene	<0.230
Methyl Ethyl Ketone	<0.339	Methyl tert-butyl ether(MTBE)	<0.278
Methylene Chloride	<0.863	Naphthalene	<0.200
n-Butylbenzene	<0.182	o-Xylene	<0.230
Propylene	<0.581	sec-Butylbenzene	<0.182
Styrene	<0.235	Tetrachloroethene	<0.037
Tetrahydrofuran	<0.339	Toluene	<0.266
Trans-1,2-Dichloroethene	<0.252	trans-1,3-Dichloropropene	<0.220
Trichloroethene	<0.037	Trichlorofluoromethane	<0.178
Trichlorotrifluoroethane	<0.131	Vinyl Chloride	<0.078

Data Path : H:\AIR2025\CHEM24\01JAN\20\
 Data File : 0121_08.D
 Acq On : 21 Jan 2025 3:44 pm
 Operator : Keith
 Client ID : CANISTER BLK 3713
 Lab ID : CANISTER BLK 3713
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 22 06:51:07 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jan 14 18:25:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.515	130	255754	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.675	114	886998	10.000	ng	0.00
53) Chlorobenzene-d5	11.147	82	416377	10.000	ng	0.00
80) Bromochloromethane(sim)	7.510	130	259172	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.675	114	887000	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.147	82	416377	10.000	ng	0.00

System Monitoring Compounds

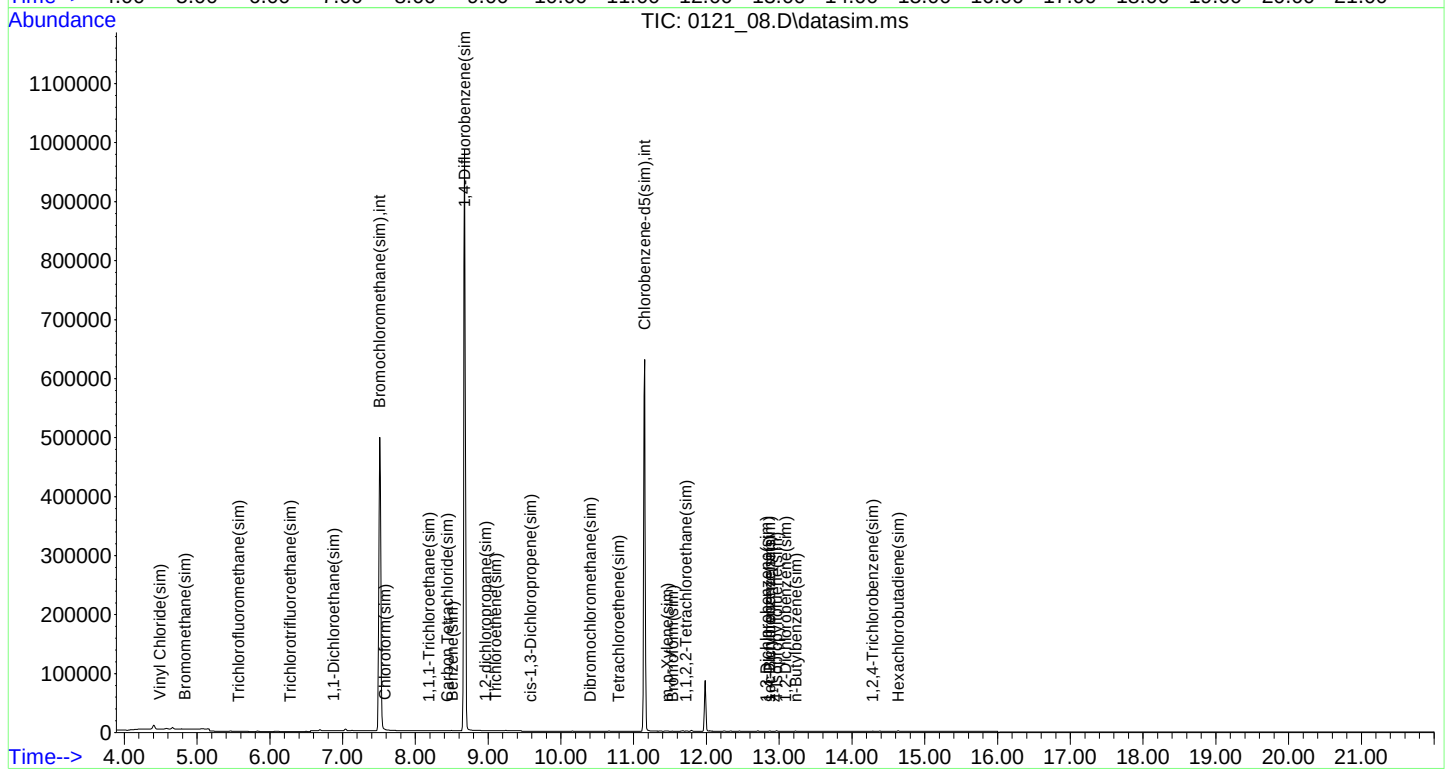
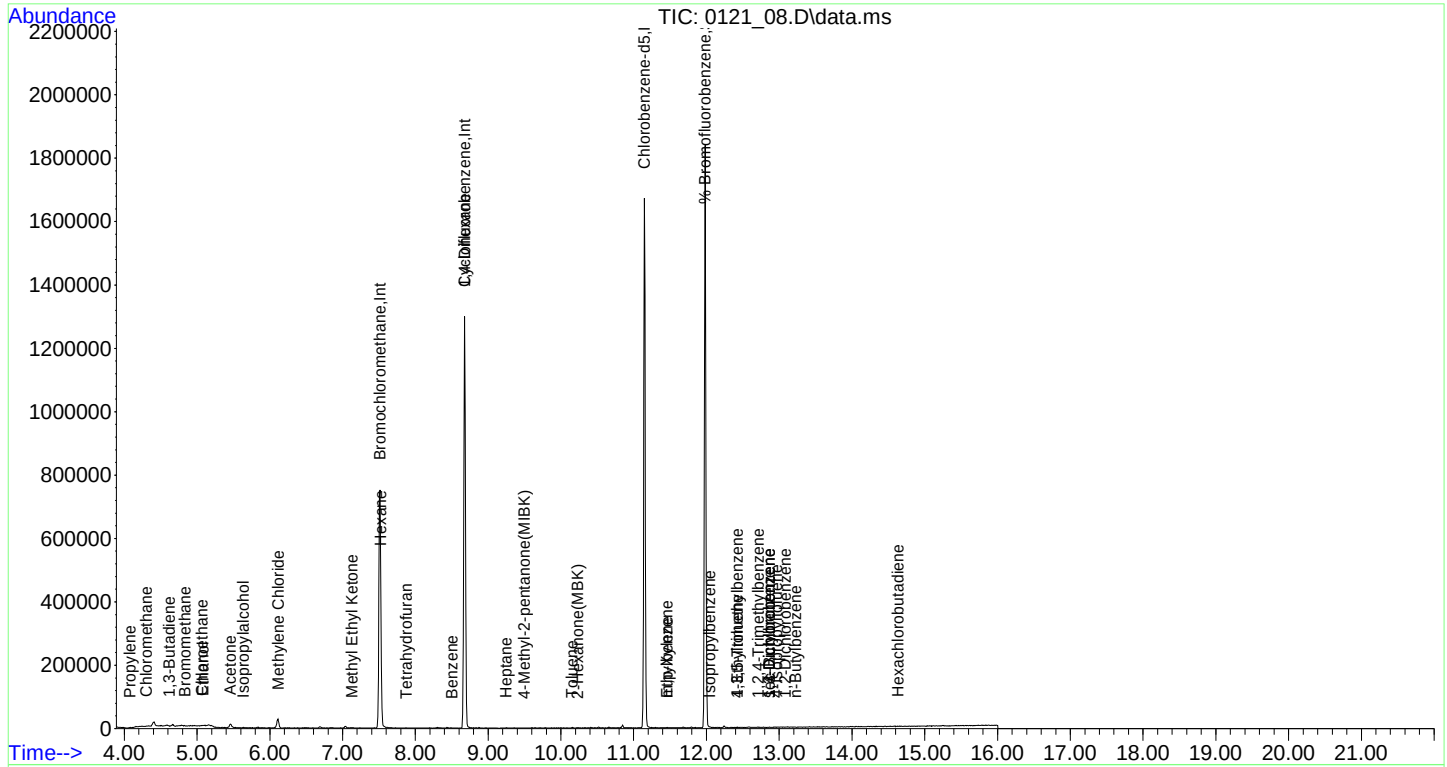
62) % Bromofluorobenzene	11.981	95	490366	9.648	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.50%

Target Compounds	Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\01JAN\20\
Data File : 0121_08.D
Acq On : 21 Jan 2025 3:44 pm
Operator : Keith
Client ID : CANISTER BLK 3713
Lab ID : CANISTER BLK 3713
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 22 06:51:07 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0114.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Jan 14 18:25:49 2025
Response via : Initial Calibration



Injection Log

Data Directory: H:\AIR2025\CHEM20\01JAN\30C\

Line	VL	FileName	SampleName	MiscInfo	Injection Time
1)	35	0130_01.D	xxxxxxxxxx		01/30/25 22:37
2)	36	0130_02.D	xxxxxxxxxx		01/30/25 23:08
3)	38	0130_03.D	BFB TUNE	0/0; ITSD AIR36E	01/30/25 23:39
4)	31	0130_04.D	ICAL 0.01	0.01 ppb; T01510D	01/31/25 0:10
5)	1	0130_05.D	ICAL 0.02	0.02 ppb; T01510D	01/31/25 0:42
6)	2	0130_06.D	ICAL 0.035	0.035 ppb; T01510D	01/31/25 1:14
7)	3	0130_07.D	ICAL 0.05	0.05 ppb; T01510D	01/31/25 1:49
8)	4	0130_08.D	ICAL 0.1	0.10 ppb; T01510D	01/31/25 2:19
9)	5	0130_09.D	ICAL 0.2	0.20 ppb; T01510D	01/31/25 2:51
10)	6	0130_10.D	ICAL 0.5	0.50 ppb; T01510D	01/31/25 3:24
11)	7	0130_11.D	ICAL 2.5	2.5 ppb; T01510C	01/31/25 3:58
12)	8	0130_12.D	ICAL 5	5.0 ppb; T01510B	01/31/25 4:29
13)	10	0130_13.D	ICAL 25	25 ppb; T01510B	01/31/25 5:03
14)	10	0130_14.D	ICAL 40	40ppb; T01510B	01/31/25 5:39
15)	11	0130_15.D	ICAL 1	1ppb tune/cc; T01510	01/31/25 6:10
16)	12	0130_16.D	ICAL 10	10ppb; T01510B	01/31/25 6:42
17)	13	0130_17.D	ICV_CHEM20_0130	10ppb lcs; T01510A	01/31/25 7:16
18)	14	0130_18.D	xxxxxxxxxx		01/31/25 7:46
19)	32	0130_19.D	xxxxxxxxxx		01/31/25 8:18

Injection Log

Data Directory: H:\AIR2025\CHEM20\01JAN\31\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	1	0131_01.D	xxxxxxxxxx		01/31/25 12:33
2)	28	0131_02.D	xxxxxxxxxx		01/31/25 13:04
3)	29	0131_03.D	BFB TUNE - CCAL 1	1ppb ccal; T01512N	01/31/25 13:36
4)	28	0131_04.D	xxxxxxxxxx		01/31/25 14:08
5)	29	0131_05.D	CS55373 LCS	CS55373 LCS	01/31/25 14:42
6)	1	0131_06.D	CS55373 BLANK	CS55373 BLANK	01/31/25 15:12
7)	2	0131_07.D	xxxxxxxxxx		01/31/25 15:44
8)	3	0131_08.D	IA-H	CS55373	01/31/25 19:26
9)	4	0131_09.D	IA-H DUP	CS55373 DUP	01/31/25 20:01
10)	5	0131_10.D	IA-G	CS55372	01/31/25 20:36
11)	6	0131_11.D	xxxxxxxxxx		01/31/25 21:15
12)	7	0131_12.D	xxxxxxxxxx		01/31/25 21:54
13)	8	0131_13.D	xxxxxxxxxx		01/31/25 22:29
14)	9	0131_14.D	xxxxxxxxxx		01/31/25 23:07
15)	10	0131_15.D	OUTDOOR AMBIENT	CS55371	01/31/25 23:41
16)	11	0131_16.D	SV-G 5X	CS55363 5X	02/01/25 0:13
17)	12	0131_17.D	SV-D 5X	CS55364 5X	02/01/25 0:45
18)	13	0131_18.D	SV-E 5X	CS55365 5X	02/01/25 1:17
19)	14	0131_19.D	SV-C 5X	CS55366 5X	02/01/25 1:49
20)	15	0131_20.D	SV-H 5X	CS55367 5X	02/01/25 2:21
21)	16	0131_21.D	SV-F 5X	CS55368 5X	02/01/25 2:52
22)	17	0131_22.D	xxxxxxxxxx		02/01/25 3:23
23)	18	0131_23.D	xxxxxxxxxx		02/01/25 3:57
24)	19	0131_24.D	xxxxxxxxxx		02/01/25 4:31
25)	20	0131_25.D	xxxxxxxxxx		02/01/25 5:05
26)	21	0131_26.D	xxxxxxxxxx		02/01/25 5:39
27)	22	0131_27.D	xxxxxxxxxx		02/01/25 6:13
28)	23	0131_28.D	CCAL 1	1ppb cc	02/01/25 9:03
29)	24	0131_29.D	xxxxxxxxxx		02/01/25 9:35

Injection Log

Data Directory: H:\AIR2025\CHEM24\01JAN\13\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	0	0113_43.D	xxxxxxxxxx		N/A
2)	1	0113_01.D	xxxxxxxxxx		01/13/25 7:52
3)	2	0113_02.D	xxxxxxxxxx		01/13/25 8:28
4)	3	0113_03.D	xxxxxxxxxx		01/13/25 9:02
5)	4	0113_04.D	xxxxxxxxxx		01/13/25 9:41
6)	6	0113_05.D	xxxxxxxxxx		01/13/25 10:15
7)	7	0113_06.D	xxxxxxxxxx		01/13/25 10:49
8)	8	0113_07.D	xxxxxxxxxx		01/13/25 11:26
9)	9	0113_08.D	xxxxxxxxxx		01/13/25 12:02
10)	10	0113_09.D	xxxxxxxxxx		01/13/25 12:36
11)	11	0113_10.D	xxxxxxxxxx		01/13/25 13:09
12)	12	0113_11.D	xxxxxxxxxx		01/13/25 13:44
13)	13	0113_12.D	xxxxxxxxxx		01/13/25 14:19
14)	14	0113_13.D	xxxxxxxxxx		01/13/25 14:54
15)	15	0113_14.D	xxxxxxxxxx		01/13/25 15:28
16)	16	0113_15.D	xxxxxxxxxx		01/13/25 16:02
17)	17	0113_16.D	xxxxxxxxxx		01/13/25 16:37
18)	18	0113_17.D	xxxxxxxxxx		01/13/25 17:11
19)	19	0113_18.D	xxxxxxxxxx		01/13/25 17:48
20)	20	0113_19.D	xxxxxxxxxx		01/13/25 18:25
21)	21	0113_20.D	xxxxxxxxxx		01/13/25 19:03
22)	22	0113_21.D	xxxxxxxxxx		01/13/25 19:42
23)	23	0113_22.D	xxxxxxxxxx		01/13/25 20:19
24)	24	0113_23.D	xxxxxxxxxx		01/13/25 20:57
25)	25	0113_24.D	xxxxxxxxxx		01/13/25 21:33
26)	26	0113_25.D	xxxxxxxxxx		01/13/25 22:07
27)	27	0113_26.D	xxxxxxxxxx		01/13/25 22:44
28)	28	0113_27.D	xxxxxxxxxx		01/13/25 23:18
29)	29	0113_28.D	xxxxxxxxxx		01/13/25 23:53
30)	30	0113_29.D	xxxxxxxxxx		01/14/25 0:28
31)	31	0113_30.D	xxxxxxxxxx		01/14/25 1:03
32)	32	0113_31.D	xxxxxxxxxx		01/14/25 1:36
33)	33	0113_32.D	xxxxxxxxxx		01/14/25 2:14
34)	24	0113_33.D	xxxxxxxxxx		01/14/25 2:52
35)	25	0113_34.D	xxxxxxxxxx		01/14/25 3:32
36)	26	0113_35.D	xxxxxxxxxx		01/14/25 4:11
37)	27	0113_36.D	CANISTER BLK 3695	CANISTER BLK 3695	01/14/25 4:50
38)	1	0113_37.D	xxxxxxxxxx		01/14/25 5:22
39)	2	0113_38.D	xxxxxxxxxx		01/14/25 5:57
40)	3	0113_39.D	xxxxxxxxxx		01/14/25 6:32
41)	4	0113_40.D	xxxxxxxxxx		01/14/25 7:10
42)	6	0113_41.D	xxxxxxxxxx		01/14/25 7:43
43)	7	0113_42.D	xxxxxxxxxx		01/14/25 8:17

Injection Log

Data Directory: H:\AIR2025\CHEM24\01JAN\14\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	13	0114_01.D	xxxxxxxxxx		01/14/25 9:30
2)	14	0114_02.D	BFB TUNE	0/0 ; ITSD Air40	01/14/25 10:04
3)	3	0114_03.D	ICAL 0.01	0.01 (40cc -1); T015	01/14/25 10:38
4)	4	0114_04.D	ICAL 0.02	0.02 (80cc -1) ; T01	01/14/25 11:14
5)	5	0114_05.D	ICAL 0.035	0.035 (140cc -1) ; T	01/14/25 11:52
6)	6	0114_06.D	ICAL 0.05	0.05 ppb ; T01511	01/14/25 12:30
7)	7	0114_07.D	ICAL 0.1	0.10 ppb ; T01511	01/14/25 13:04
8)	8	0114_08.D	ICAL 0.2	0.20 ppb ; T01511	01/14/25 13:41
9)	9	0114_09.D	ICAL 0.5	0.50 ppb ; T01511	01/14/25 14:18
10)	10	0114_10.D	ICAL 2.5	2.5 ppb ; T01511	01/14/25 14:55
11)	11	0114_11.D	ICAL 5	5.0 ppb ; T01511	01/14/25 15:29
12)	12	0114_12.D	ICAL 25	25 ppb ; T01511	01/14/25 16:06
13)	13	0114_13.D	ICAL 40	40 ppb ; T01511	01/14/25 16:47
14)	16	0114_14.D	ICAL 1	1ppb ; T01509 ; AIR3	01/14/25 17:22
15)	16	0114_15.D	ICAL 10	10ppb ; T01509 ; AIR	01/14/25 18:01
16)	17	0114_16.D	ICV_CHEM24_0114	10ppb lcs ; T01511	01/14/25 18:40
17)	18	0114_17.D	xxxxxxxxxx		01/14/25 19:13
18)	19	0114_18.D	xxxxxxxxxx		01/14/25 19:47
19)	20	0114_19.D	xxxxxxxxxx		01/14/25 20:26
20)	21	0114_20.D	xxxxxxxxxx		01/14/25 21:03
21)	22	0114_21.D	xxxxxxxxxx		01/14/25 21:41
22)	23	0114_22.D	xxxxxxxxxx		01/14/25 22:19
23)	24	0114_23.D	xxxxxxxxxx		01/14/25 22:58
24)	25	0114_24.D	xxxxxxxxxx		01/14/25 23:35
25)	26	0114_25.D	xxxxxxxxxx		01/15/25 0:12
26)	27	0114_26.D	xxxxxxxxxx		01/15/25 0:50
27)	28	0114_27.D	xxxxxxxxxx		01/15/25 1:27
28)	29	0114_28.D	xxxxxxxxxx		01/15/25 2:06
29)	30	0114_29.D	xxxxxxxxxx		01/15/25 2:44
30)	31	0114_30.D	xxxxxxxxxx		01/15/25 3:18
31)	32	0114_31.D	xxxxxxxxxx		01/15/25 3:59
32)	33	0114_32.D	xxxxxxxxxx		01/15/25 4:41
33)	34	0114_33.D	xxxxxxxxxx		01/15/25 5:30
34)	35	0114_34.D	xxxxxxxxxx		01/15/25 6:06
35)	36	0114_35.D	xxxxxxxxxx		01/15/25 6:43
36)	37	0114_36.D	xxxxxxxxxx		01/15/25 7:22
37)	38	0114_37.D	xxxxxxxxxx		01/15/25 7:57
38)	39	0114_38.D	xxxxxxxxxx		01/15/25 8:31
39)	40	0114_39.D	xxxxxxxxxx		01/15/25 9:06
40)	41	0114_40.D	xxxxxxxxxx		01/15/25 9:42
41)	42	0114_41.D	xxxxxxxxxx		01/15/25 10:17
42)	43	0114_42.D	xxxxxxxxxx		01/15/25 11:03
43)	44	0114_43.D	xxxxxxxxxx		01/15/25 11:40
44)	45	0114_44.D	xxxxxxxxxx		01/15/25 12:18
45)	1	0115_01.D	xxxxxxxxxx		01/15/25 12:55
46)	2	0115_02.D	xxxxxxxxxx		01/15/25 13:31
47)	3	0115_03.D	xxxxxxxxxx		01/15/25 14:09
48)	4	0115_04.D	xxxxxxxxxx		01/15/25 14:41
49)	5	0115_05.D	xxxxxxxxxx		01/15/25 15:16
50)	6	0115_06.D	xxxxxxxxxx		01/15/25 16:12
51)	7	0115_07.D	xxxxxxxxxx		01/15/25 16:49
52)	8	0115_08.D	xxxxxxxxxx		01/15/25 17:27
53)	9	0115_09.D	xxxxxxxxxx		01/15/25 18:02
54)	10	0115_10.D	xxxxxxxxxx		01/15/25 18:37
55)	11	0115_11.D	xxxxxxxxxx		01/15/25 19:49
56)	12	0115_12.D	xxxxxxxxxx		01/15/25 20:22
57)	13	0115_13.D	xxxxxxxxxx		01/15/25 20:59
58)	14	0115_14.D	xxxxxxxxxx		01/15/25 21:37
59)	15	0115_15.D	xxxxxxxxxx		01/15/25 22:16
60)	16	0115_16.D	xxxxxxxxxx		01/15/25 22:54
61)	17	0115_17.D	xxxxxxxxxx		01/15/25 23:31
62)	18	0115_18.D	xxxxxxxxxx		01/16/25 0:11
63)	19	0115_19.D	xxxxxxxxxx		01/16/25 0:51
64)	20	0115_20.D	xxxxxxxxxx		01/16/25 1:29
65)	21	0115_21.D	xxxxxxxxxx		01/16/25 2:04
66)	22	0115_22.D	xxxxxxxxxx		01/16/25 2:39

67)	23	0115_23.D	xxxxxxxxxx	01/16/25	3:15
68)	24	0115_24.D	xxxxxxxxxx	01/16/25	3:49
69)	25	0115_25.D	xxxxxxxxxx	01/16/25	4:22
70)	26	0115_26.D	xxxxxxxxxx	01/16/25	8:54
71)	27	0115_27.D	xxxxxxxxxx	01/16/25	9:28
72)	28	0115_28.D	xxxxxxxxxx	01/16/25	10:04
73)	29	0115_29.D	xxxxxxxxxx	01/16/25	10:38

Injection Log

Data Directory: H:\AIR2025\CHEM24\01JAN\20\

Line	VL	FileName	SampleName	MiscInfo	Injection Time
1)	1	0120_01.D	xxxxxxxxxx		01/20/25 12:49
2)	2	0120_02.D	xxxxxxxxxx		01/20/25 13:26
3)	3	0120_03.D	xxxxxxxxxx		01/20/25 14:02
4)	4	0120_04.D	xxxxxxxxxx		01/20/25 14:39
5)	6	0120_05.D	xxxxxxxxxx		01/20/25 15:13
6)	7	0120_06.D	xxxxxxxxxx		01/20/25 15:49
7)	8	0120_07.D	xxxxxxxxxx		01/20/25 16:28
8)	9	0120_08.D	xxxxxxxxxx		01/20/25 17:06
9)	10	0120_09.D	xxxxxxxxxx		01/20/25 17:44
10)	11	0120_10.D	xxxxxxxxxx		01/20/25 18:22
11)	12	0120_11.D	xxxxxxxxxx		01/20/25 19:00
12)	13	0120_12.D	xxxxxxxxxx		01/20/25 19:37
13)	14	0120_13.D	xxxxxxxxxx		01/20/25 20:15
14)	15	0120_14.D	xxxxxxxxxx		01/20/25 20:53
15)	16	0120_15.D	xxxxxxxxxx		01/20/25 21:27
16)	17	0120_16.D	xxxxxxxxxx		01/20/25 22:03
17)	18	0120_17.D	xxxxxxxxxx		01/20/25 22:35
18)	19	0120_18.D	xxxxxxxxxx		01/20/25 23:12
19)	20	0120_19.D	xxxxxxxxxx		01/20/25 23:52
20)	21	0120_20.D	CANISTER BLK 3711	CANISTER BLK 3711	01/21/25 3:13
21)	22	0120_21.D	xxxxxxxxxx		01/21/25 8:57
22)	23	0120_22.D	xxxxxxxxxx		01/21/25 9:34
23)	24	0120_23.D	xxxxxxxxxx		01/21/25 10:13
24)	25	0120_24.D	xxxxxxxxxx		01/21/25 10:52
25)	26	0120_25.D	xxxxxxxxxx		01/21/25 11:30
26)	2	0121_02.D	xxxxxxxxxx		01/21/25 12:06
27)	3	0121_03.D	xxxxxxxxxx		01/21/25 12:41
28)	4	0121_04.D	xxxxxxxxxx		01/21/25 13:19
29)	5	0121_05.D	xxxxxxxxxx		01/21/25 13:53
30)	6	0121_06.D	xxxxxxxxxx		01/21/25 14:28
31)	7	0121_07.D	CANISTER BLK 3712	CANISTER BLK 3712	01/21/25 15:07
32)	8	0121_08.D	CANISTER BLK 3713	CANISTER BLK 3713	01/21/25 15:44
33)	9	0121_09.D	xxxxxxxxxx		01/21/25 16:59
34)	10	0121_10.D	xxxxxxxxxx		01/21/25 19:48
35)	11	0121_11.D	xxxxxxxxxx		01/21/25 20:27
36)	12	0121_12.D	xxxxxxxxxx		01/21/25 21:05
37)	13	0121_13.D	xxxxxxxxxx		01/21/25 21:47
38)	14	0121_14.D	xxxxxxxxxx		01/21/25 22:28
39)	15	0121_15.D	xxxxxxxxxx		01/21/25 23:10
40)	16	0121_16.D	xxxxxxxxxx		01/21/25 23:50
41)	17	0121_17.D	xxxxxxxxxx		01/22/25 0:25
42)	18	0121_18.D	xxxxxxxxxx		01/22/25 1:00
43)	19	0121_19.D	xxxxxxxxxx		01/22/25 1:34
44)	20	0121_20.D	xxxxxxxxxx		01/22/25 3:52
45)	21	0121_21.D	xxxxxxxxxx		01/22/25 8:00
46)	22	0121_22.D	xxxxxxxxxx		01/22/25 9:39
47)	23	0121_23.D	xxxxxxxxxx		01/22/25 10:14
48)	24	0121_24.D	xxxxxxxxxx		01/22/25 10:50
49)	25	0121_25.D	xxxxxxxxxx		01/22/25 11:27

Injection Log

Data Directory: H:\AIR2025\CHEM24\01JAN\31\

Line	VL	FileName	SampleName	MiscInfo	Injection Time
1)	1	0131_01.D	xxxxxxxxxx		01/31/25 12:42
2)	2	0131_02.D	BFB TUNE - CCAL 1	1ppb ccal; T01512R	01/31/25 13:22
3)	3	0131_03.D	xxxxxxxxxx		01/31/25 14:03
4)	4	0131_04.D	CS55369 LCS	CS55369 LCS	01/31/25 14:44
5)	6	0131_05.D	CS55369 BLANK	CS55369 BLANK	01/31/25 15:21
6)	7	0131_06.D	xxxxxxxxxx		01/31/25 16:00
7)	8	0131_07.D	xxxxxxxxxx		01/31/25 16:40
8)	9	0131_08.D	xxxxxxxxxx		01/31/25 17:19
9)	10	0131_09.D	xxxxxxxxxx		01/31/25 17:57
10)	11	0131_10.D	IA-E	CS55369	01/31/25 19:31
11)	12	0131_11.D	IA-E DUP	CS55369 DUP	01/31/25 20:12
12)	13	0131_12.D	IA-F	CS55370	01/31/25 20:52
13)	14	0131_13.D	xxxxxxxxxx		01/31/25 21:37
14)	15	0131_14.D	xxxxxxxxxx		01/31/25 22:29
15)	16	0131_15.D	xxxxxxxxxx		01/31/25 23:12
16)	17	0131_16.D	xxxxxxxxxx		01/31/25 23:55
17)	18	0131_17.D	xxxxxxxxxx		02/01/25 0:39
18)	19	0131_18.D	xxxxxxxxxx		02/01/25 1:18
19)	20	0131_19.D	xxxxxxxxxx		02/01/25 1:56
20)	21	0131_20.D	xxxxxxxxxx		02/01/25 2:35
21)	22	0131_21.D	xxxxxxxxxx		02/01/25 3:12
22)	23	0131_22.D	xxxxxxxxxx		02/01/25 3:50
23)	24	0131_23.D	xxxxxxxxxx		02/01/25 4:27
24)	25	0131_24.D	SV-A 5X	CS55361 5X	02/01/25 5:04
25)	26	0131_25.D	SV-B 5X	CS55362 5X	02/01/25 5:41
26)	27	0131_26.D	xxxxxxxxxx		02/01/25 6:17
27)	28	0131_27.D	xxxxxxxxxx		02/01/25 9:42

Injection Log

Data Directory: H:\AIR2025\CHEM24\02FEB\03\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	1	0203_01.D	xxxxxxxxxx		02/03/25 13:53
2)	2	0203_02.D	BFB TUNE - CCAL 1	1ppb ccal; T01512R	02/03/25 14:28
3)	3	0203_03.D	xxxxxxxxxx		02/03/25 15:04
4)	4	0203_04.D	CS55737 LCS	CS55737 LCS	02/03/25 15:42
5)	6	0203_05.D	CS55737 BLANK	CS55737 BLANK	02/03/25 16:15
6)	7	0203_06.D	xxxxxxxxxx		02/03/25 16:52
7)	8	0203_07.D	xxxxxxxxxx		02/03/25 17:31
8)	9	0203_08.D	xxxxxxxxxx		02/03/25 18:06
9)	10	0203_09.D	SV-B 15X	CS55362 15X	02/03/25 18:41
10)	11	0203_10.D	xxxxxxxxxx		02/03/25 19:14
11)	12	0203_11.D	CS55737 QC 0.5 X	CS55737 QC	02/03/25 19:56
12)	13	0203_12.D	CS55737 DUP 0.5 X	CS55737 DUP	02/03/25 20:38
13)	14	0203_13.D	xxxxxxxxxx		02/03/25 21:20
14)	15	0203_14.D	xxxxxxxxxx		02/03/25 22:02
15)	16	0203_15.D	xxxxxxxxxx		02/03/25 22:46
16)	17	0203_16.D	xxxxxxxxxx		02/03/25 23:21
17)	18	0203_17.D	xxxxxxxxxx		02/03/25 23:56
18)	19	0203_18.D	xxxxxxxxxx		02/04/25 0:32
19)	20	0203_19.D	xxxxxxxxxx		02/04/25 1:08
20)	21	0203_20.D	xxxxxxxxxx		02/04/25 1:45
21)	22	0203_21.D	xxxxxxxxxx		02/04/25 2:22
22)	23	0203_22.D	xxxxxxxxxx		02/04/25 2:58
23)	24	0203_23.D	xxxxxxxxxx		02/04/25 3:32
24)	25	0203_24.D	xxxxxxxxxx		02/04/25 4:08
25)	26	0203_25.D	xxxxxxxxxx		02/04/25 8:52
26)	27	0203_26.D	xxxxxxxxxx		02/04/25 9:29
27)	28	0203_27.D	xxxxxxxxxx		02/04/25 10:07

Injection Log

Data Directory: H:\AIR2025\CHEM24\02FEB\04\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	1	0204_01.D	xxxxxxxxxx		02/04/25 13:18
2)	2	0204_02.D	CCCAL 1	1ppb ccal; T01512R	02/04/25 13:55
3)	3	0204_03.D	xxxxxxxxxx		02/04/25 14:32
4)	4	0204_04.D	xxxxxxxxxx		02/04/25 15:10
5)	6	0204_05.D	xxxxxxxxxx		02/04/25 15:45
6)	7	0204_06.D	xxxxxxxxxx		02/04/25 16:19
7)	8	0204_07.D	xxxxxxxxxx		02/04/25 16:56
8)	9	0204_08.D	xxxxxxxxxx		02/04/25 17:35
9)	10	0204_09.D	xxxxxxxxxx		02/04/25 18:15
10)	11	0204_10.D	xxxxxxxxxx		02/04/25 18:54
11)	12	0204_11.D	xxxxxxxxxx		02/04/25 19:32
12)	13	0204_12.D	xxxxxxxxxx		02/04/25 20:09
13)	14	0204_13.D	xxxxxxxxxx		02/04/25 20:44
14)	15	0204_14.D	xxxxxxxxxx		02/04/25 21:20
15)	16	0204_15.D	xxxxxxxxxx		02/04/25 21:54
16)	16	0204_16.D	xxxxxxxxxx		02/04/25 22:27
17)	17	0204_17.D	xxxxxxxxxx		02/05/25 7:17
18)	18	0204_18.D	xxxxxxxxxx		02/05/25 7:54
19)	19	0204_19.D	xxxxxxxxxx		02/05/25 8:30
20)	20	0204_20.D	xxxxxxxxxx		02/05/25 9:03
21)	21	0204_21.D	xxxxxxxxxx		02/05/25 9:39
22)	22	0204_22.D	xxxxxxxxxx		02/05/25 10:14

Injection Log

Data Directory: H:\AIR2025\CHEM39\01JAN\10\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	0	0110_29.D	xxxxxxxxxx		N/A
2)	1	0110_01.D	xxxxxxxxxx		01/10/25 13:45
3)	1	0110_02.D	xxxxxxxxxx		01/10/25 14:19
4)	1	0110_03.D	xxxxxxxxxx		01/10/25 14:54
5)	1	0110_04.D	xxxxxxxxxx		01/10/25 15:30
6)	1	0110_05.D	xxxxxxxxxx		01/10/25 16:02
7)	1	0110_06.D	xxxxxxxxxx		01/10/25 16:36
8)	2	0110_07.D	xxxxxxxxxx		01/10/25 19:49
9)	3	0110_08.D	xxxxxxxxxx		01/10/25 20:26
10)	4	0110_09.D	xxxxxxxxxx		01/10/25 21:03
11)	5	0110_10.D	xxxxxxxxxx		01/10/25 21:40
12)	6	0110_11.D	xxxxxxxxxx		01/10/25 22:17
13)	7	0110_12.D	xxxxxxxxxx		01/10/25 22:53
14)	8	0110_13.D	xxxxxxxxxx		01/10/25 23:30
15)	9	0110_14.D	xxxxxxxxxx		01/11/25 0:10
16)	10	0110_15.D	xxxxxxxxxx		01/11/25 0:50
17)	11	0110_16.D	xxxxxxxxxx		01/11/25 1:30
18)	12	0110_17.D	xxxxxxxxxx		01/11/25 2:10
19)	13	0110_18.D	xxxxxxxxxx		01/11/25 2:50
20)	14	0110_19.D	xxxxxxxxxx		01/11/25 3:30
21)	15	0110_20.D	xxxxxxxxxx		01/11/25 4:10
22)	16	0110_21.D	xxxxxxxxxx		01/11/25 4:42
23)	17	0110_22.D	CANISTER BLK 3693	CANISTER BLK 3693	01/11/25 5:19
24)	18	0110_23.D	xxxxxxxxxx		01/11/25 8:41
25)	19	0110_24.D	xxxxxxxxxx		01/11/25 9:16
26)	20	0110_25.D	xxxxxxxxxx		01/11/25 9:50
27)	21	0110_26.D	xxxxxxxxxx		01/11/25 10:25
28)	22	0110_27.D	xxxxxxxxxx		01/11/25 11:00
29)	23	0110_28.D	xxxxxxxxxx		01/11/25 11:34

**DATA USABILITY SUMMARY REPORT
FOR JANUARY 2025 SVI SAMPLING
FORMER TIFFEN MANUFACTURING FACILITY
NYSDEC SITE NO. C130239
41-71 JANE STREET, ROSLYN HEIGHTS, NY
SAMPLE DELIVERY GROUP # GCS55361**

This DUSR was prepared using the entire original laboratory report, including the sample data summary report and the extended data package. The sampling event included four soil vapor samples (SV-A through SV-D), four indoor air sample (IA-E through IA-H), four sub-slab soil vapor (SV-E through SV-H) and one outdoor air sample (Ambient).

Sample Collection Procedures

The samples were collected in laboratory-provided batch-certified Summa canisters equipped with laboratory calibrated flow controllers. Collection of each sample was performed over an approximate eight-hour period. Each of the flow controllers for the primary samples was closed when the vacuum in the canister was nearly depleted but some vacuum remained. Chain-of-custody documentation was present and complete.

Sample Analyses

The samples were transported to the laboratory and analyzed by Phoenix Environmental Laboratories, Inc. at their Manchester, Connecticut facility, which is NYSDOH-certified for the analyses performed. The samples were analyzed for volatile organic compounds (VOCs) using Method TO-15, with low-level analyses for the indoor and ambient air samples. The analytical methods and analytes are appropriate for the intended use of the data. The sample holding times were met and no problems with sample receipt or handling were reported by the laboratory. The samples were logged in by the lab based on the sample IDs on the tags and the correct can numbers printed on the canisters themselves were used.

The initial calibration compounds all met criteria with the exception of ethanol, which was below ICV recovery criteria in calibration CHEM20 and CHEM24.

The recoveries for the continuing calibration met criteria for opening calibration CHEM24 0131_02.D. Standard deviations were not met for benzyl chloride, 1,2,4-trichlorobenzene, naphthalene, benzyl chloride(sim) and 1,2,4-trichlorobenzene(sim) in opening calibration CHEM24 0131_02.D.

The recoveries for the continuing calibration met criteria for opening calibration CHEM24 0203_02.D. Standard deviations were not met for benzyl chloride, 1,2,4-trichlorobenzene, naphthalene and 1,2,4-trichlorobenzene(sim) in opening calibration CHEM24 0203_02.D.

The recoveries for the continuing calibration met criteria for closing calibration CHEM24 0204_02.D. Standard deviations were not met for benzyl chloride, 1,2,4-trichlorobenzene, naphthalene and 1,2,4-trichlorobenzene(sim) in opening calibration CHEM24 0204_02.D.

Surrogate recoveries were complete and within limits. Internal standards were also noted to be complete and within limits.

Duplicate samples analysis was performed by the laboratory and utilized to evaluate the precision of the laboratory analyses. The results from the laboratory duplicate sample and the associated parent sample are very similar. Based on the laboratory's duplicate sample results, the laboratory results are likely to be precise.

A method blank (MB) sample was analyzed by the laboratory to evaluate the potential for cross-contamination associated with the sample preparation and analysis. The MB results did not show detectable concentrations of VOCs and, therefore, cross-contamination associated with sample preparation or analysis does not appear to affect the sample data.

Air canister cleanings logs are maintained by the laboratory to evaluate the potential for cross-contamination associated with the sample containers. The air canister cleanings logs show that cleaning measures are taken to prevent cross-contamination associated with sample containers.

Laboratory control samples (LCS) were used by the laboratory to verify the accuracy and precision of the analyses. The LCS percent recoveries (%REC) were noted to be within established guidelines with the exception of ethyl acetate and hexachlorobutadiene in LCS samples CS55369 and C555737. Based on the LCS data the analytical results appear to be precise and accurate.

Questions and Responses

1. Is the data package complete as defined under the current requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?

The data package is complete. The external and internal chain of custody forms are present and complete. The case narrative and sample analysis summaries are present and complete. The analytical QA/QC summary forms, including surrogate recovery forms, LCS forms, IDL forms, initial and continuing calibration summary forms, standards raw data, tuning criteria report, and MB data are all present and complete. The data report forms, including sample prep logs, injection logs, canister cleaning logs, and examples of the calculations used to determine the sample concentrations are all present and complete. The raw data used to identify and quantify the contract-specified analytes are present and complete.

Data completeness for the field program was also verified. The numbers and types of samples collected are in agreement with the work plan.

2. Have all holding times been met?

All samples were received and analyzed within the EPA-recommended holding times for the analyses performed.

3. Do all the QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data, fall within the protocol-required limits and specifications?

QC data was noted to be outside for several compounds which are not a COC for the site as noted above. All other were within the protocol required limits and specifications.

4. Have all of the data been generated using established and agreed-upon analytical protocols?

Yes – all of the data were generated using the Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

5. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

Yes – a representative number of raw data results were compared with the reported data results to confirm that the reported analytical results (identification and quantification) are substantiated by the raw data.

6. Have the correct data qualifiers been used?

Yes, ND-qualified data qualifiers were used when the compound was not detected above the method detection limit/limit of detection. E-qualified data qualifiers were used when an estimated value was quantified above calibration range. No other qualifiers were utilized in the data package.

7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheets from the data package been attached to the DUSR?

Yes, QC exceedances have been reported in the data package and the corresponding pages are attached.

Conclusions

The indoor/outdoor air and sub-slab soil vapor samples were collected in accordance with NYSDOH guidance. No field or laboratory conditions occurred that would result in non-valid analytical data for the VOCs of concern at this site. The data appear to be adequate for their intended purpose.

S:\Rigano LLC\Jane Street Site\SVI\SVI Sampling 2025\SVI DUSR January 2025.Docx



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: FPM Group

FORMER TIFFEN MANUFACTURING 41-71 JAE ST

Laboratory Project: GCS55361

Volatile TO15
Ver 1

Organic Data Flags

LOD(MDL): Limit of Detection or Method Detection Limit
The minimum reportable concentration that can be measured with confidence.

PQL(RL): Practical Quantitation Level or Reporting Level
This value is at or above the MDL and is supported by the lowest calibration standard.

Q Qualifiers:

- U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
- J - Indicates an estimated value, may indicate one of the following, depending on the situation:
 - a) The reported value is estimated and below the RL.
Compounds that are detected above MDL but below RL are qualified with a J flag.
 - b) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the identification criteria, but the results is less than the quantitation limit, but greater than zero.
 - c) QC associated with this analyte is within warning limits.
- X - The concentration is not reported. This quantitation file was not evaluated for this compound at this dilution; a volatile purging or related issue may be the cause.
- L - Biased Low
- N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified.
- S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
- B - This compound was also present in the method blank
- D - The reported concentration is the result of a diluted analysis. Samples that require dilution may result in elevated reporting limits that exceed requested criteria for one or more analytes.
- E - The reported value is estimated because the concentration exceeded the calibration range.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.
- Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list.
- P - Percent difference is greater than 25% between the two GC columns and the lower result is reported.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



SDG: GCS55361

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST, FPM Group

Form 1 (Analysis):

No observations noted.

Detailed reference spectra will print 'Below Cal' for the full scan compounds that are reported from the SIM and are below the lowest calibration point in the full scan analysis. If analytes required manual integration. Manual integrations are flagged with an 'm' to indicate the analyte that required this process.

Form 2 (Surrogates):

All surrogates met criteria with the following exceptions: None.

Form 3 (Laboratory Control/Matrix Spike):

Sample: CS55373 LCS
All LCS recoveries met criteria with the following exceptions: None.

Sample: CS55369 LCS
All LCS recoveries met criteria with the following exceptions: Ethyl acetate 131%, Hexachlorobutadiene 133%

Sample: CS55737 LCS
All LCS recoveries met criteria with the following exceptions: Ethyl acetate 138%, Hexachlorobutadiene 141%

Form 4 (Method Blank):

File: CHEM24 0131_05.D
All compounds were non-detect with the following exceptions: None.

File: CHEM20 0131_06.D
All compounds were non-detect with the following exceptions: None.

File: CHEM24 0203_05.D
All compounds were non-detect with the following exceptions: None.

Form 5 (Tune):

File: CHEM20 0130_03.D
All Tune criteria was met with the following exceptions: None.

File: CHEM20 0131_03.D
All Tune criteria was met with the following exceptions: None.

File: CHEM24 0114_02.D
All Tune criteria was met with the following exceptions: None.

File: CHEM24 0131_02.D
All Tune criteria was met with the following exceptions: None.

File: CHEM24 0203_02.D
All Tune criteria was met with the following exceptions: None.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



SDG: GCS55361

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST, FPM Group

Form 6 (Initial Calibration):

Calibration: CHEM20 01/31/25 - 01/31/25

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

All ICV recoveries met criteria (70-130) with the following exceptions: Ethanol 58%

Calibration: CHEM24 01/14/25 - 01/14/25

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

All ICV recoveries met criteria (70-130) with the following exceptions: Ethanol 62%

Form 7 (Continuing Calibration):

File: CHEM20 0131_03.D (Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

File: CHEM20 0131_28.D (Closing)

The following compounds did not meet maximum % deviations: None.

File: CHEM24 0131_02.D (Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: Benzyl chloride 26.0% (20), 1,2,4-Trichlorobenzene 47.0% (20), Naphthalene 47.0% (20), Benzyl chloride(sim) -21.0% (20), 1,2,4-Trichlorobenzene(sim) 25.0% (20)

No Closing Continuing Calibration was provided.

File: CHEM24 0203_02.D (Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: Benzyl chloride 28.0% (20), 1,2,4-Trichlorobenzene 43.0% (20), Naphthalene 43.0% (20), 1,2,4-Trichlorobenzene(sim) 21.0% (20)

File: CHEM24 0204_02.D (Closing)

The following compounds did not meet maximum % deviations: Benzyl chloride 34.0% (20), 1,2,4-Trichlorobenzene 56.0% (20), Naphthalene 53.0% (20), 1,2,4-Trichlorobenzene(sim) 31.0% (20)

Form 8 (Internal Standard and Retention Time):

File: CHEM20 - 20_AIR_0130.M / 0131_03.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0130.M / 0131_03.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0130.M / Average Full

All samples met internal standard area and retention time criteria with the following exceptions:

0130_14.D - ICAL 40: Chlorobenzene-d5; Area 835152 (343571 - 811289)

File: CHEM20 - 20_AIR_0130.M / Average Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



SDG: GCS55361

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: FORMER TIFFEN MANUFACTURING 41-71 JAE ST, FPM Group

File: CHEM24 - 24_AIR_0114.M / 0131_02.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0114.M / 0131_02.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0114.M / 0203_02.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0114.M / 0203_02.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0114.M / Average Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0114.M / Average Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

Sample data is not affected by detections in the canister cleaning blank associated with this SDG.

02/18/25

Alejandro Paredes

Project Manager

3
AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCS55361
 LCS - Client Id: CS55369 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		10.91	109	70	130
Dichlorodifluoromethane	10		10.45	105	70	130
Chloromethane	10		10.30	103	70	130
1,2-Dichlorotetrafluoroethane	10		9.612	96	70	130
Vinyl Chloride	10		9.986	100	70	130
1,3-Butadiene	10		9.740	97	70	130
Bromomethane	10		8.821	88	70	130
Chloroethane	10		9.460	95	70	130
Ethanol	6		6.106	102	70	130
Acetone	10		10.38	104	70	130
Trichlorofluoromethane	10		10.13	101	70	130
Isopropylalcohol	10		10.56	106	70	130
Acrylonitrile	10		10.89	109	70	130
1,1-Dichloroethene	10		10.55	106	70	130
Methylene Chloride	10		10.18	102	70	130
Carbon Disulfide	10		10.73	107	70	130
Trichlorotrifluoroethane	10		10.43	104	70	130
Trans-1,2-Dichloroethene	10		10.31	103	70	130
1,1-Dichloroethane	10		10.67	107	70	130
Methyl tert-butyl ether(MTBE)	10		10.10	101	70	130
Methyl Ethyl Ketone	10		10.58	106	70	130
Cis-1,2-Dichloroethene	10		10.37	104	70	130
Hexane	10		10.97	110	70	130
Chloroform	10		10.44	104	70	130
Ethyl acetate	10		13.07	131 *	70	130
Tetrahydrofuran	10		11.18	112	70	130
1,2-Dichloroethane	10		10.06	101	70	130
1,1,1-Trichloroethane	10		10.43	104	70	130
Benzene	10		10.44	104	70	130
Carbon Tetrachloride	10		10.92	109	70	130
Cyclohexane	10		9.768	98	70	130
1,2-dichloropropane	10		10.59	106	70	130
Bromodichloromethane	10		10.27	103	70	130
Trichloroethene	10		10.13	101	70	130
2,2,4-trimethylpentane	10		10.52	105	70	130
1,4-Dioxane	10		8.086	81	70	130
Heptane	10		10.95	110	70	130
cis-1,3-Dichloropropene	10		10.65	107	70	130
4-Methyl-2-pentanone(MIBK)	10		9.810	98	70	130
trans-1,3-Dichloropropene	10		10.41	104	70	130
1,1,2-Trichloroethane	10		10.40	104	70	130
Toluene	10		10.38	104	70	130
Dibromochloromethane	10		10.97	110	70	130
2-Hexanone(MBK)	10		9.773	98	70	130

FORM III AIR

LCS - Client Id: CS55369 LCS

[illegible]

3
AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCS55361
 LCS - Client Id: CS55737 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		11.77	118	70	130
Dichlorodifluoromethane	10		11.11	111	70	130
Chloromethane	10		10.95	110	70	130
1,2-Dichlorotetrafluoroethane	10		10.29	103	70	130
Vinyl Chloride	10		10.48	105	70	130
1,3-Butadiene	10		10.18	102	70	130
Bromomethane	10		9.340	93	70	130
Chloroethane	10		9.942	99	70	130
Ethanol	6		6.491	108	70	130
Acetone	10		10.99	110	70	130
Trichlorofluoromethane	10		11.53	115	70	130
Isopropylalcohol	10		11.22	112	70	130
Acrylonitrile	10		11.72	117	70	130
1,1-Dichloroethene	10		11.17	112	70	130
Methylene Chloride	10		10.80	108	70	130
Carbon Disulfide	10		11.54	115	70	130
Trichlorotrifluoroethane	10		11.13	111	70	130
Trans-1,2-Dichloroethene	10		11.06	111	70	130
1,1-Dichloroethane	10		11.42	114	70	130
Methyl tert-butyl ether(MTBE)	10		10.70	107	70	130
Methyl Ethyl Ketone	10		11.20	112	70	130
Cis-1,2-Dichloroethene	10		11.03	110	70	130
Hexane	10		11.72	117	70	130
Chloroform	10		11.13	111	70	130
Ethyl acetate	10		13.78	138 *	70	130
Tetrahydrofuran	10		11.93	119	70	130
1,2-Dichloroethane	10		10.71	107	70	130
1,1,1-Trichloroethane	10		11.28	113	70	130
Benzene	10		11.29	113	70	130
Carbon Tetrachloride	10		11.56	116	70	130
Cyclohexane	10		10.63	106	70	130
1,2-dichloropropane	10		11.28	113	70	130
Bromodichloromethane	10		10.87	109	70	130
Trichloroethene	10		10.61	106	70	130
2,2,4-trimethylpentane	10		11.05	111	70	130
1,4-Dioxane	10		8.571	86	70	130
Heptane	10		11.48	115	70	130
cis-1,3-Dichloropropene	10		11.27	113	70	130
4-Methyl-2-pentanone(MIBK)	10		10.29	103	70	130
trans-1,3-Dichloropropene	10		10.99	110	70	130
1,1,2-Trichloroethane	10		11.03	110	70	130
Toluene	10		11.02	110	70	130
Dibromochloromethane	10		11.63	116	70	130
2-Hexanone(MBK)	10		10.10	101	70	130

FORM III AIR

LCS - Client Id: CS55737 LCS

[illegible]

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCS55361
 Lab Method / File Id: 20_AIR_0130.M / Average Date Analyzed: 01/31/25
 Instrument ID: CHEM20 Time Analyzed: 6:10
 GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
REFERENCE STD	360684	7.03	1167002	8.19	577430	10.67			Average
UPPER LIMIT	506760	7.36	1639637	8.52	811289	11.00			Average
LOWER LIMIT	214607	6.70	694366	7.86	343571	10.34			Average
CLIENT ID									
01 ICAL 0.2	363947	7.03	1202255	8.19	507743	10.67			0130_09.D
02 ICAL 0.5	361429	7.03	1174372	8.19	503561	10.67			0130_10.D
03 ICAL 2.5	361205	7.03	1179378	8.19	520287	10.67			0130_11.D
04 ICAL 5	343168	7.03	1127248	8.19	507262	10.67			0130_12.D
05 ICAL 25	342550	7.03	1083548	8.19	642922	10.67			0130_13.D
06 ICAL 40	379652	7.03	1139329	8.19	835152 *	10.67			0130_14.D
07 ICAL 1	375037	7.03	1247819	8.19	543226	10.67			0130_15.D
08 ICAL 10	358480	7.03	1182064	8.19	559286	10.67			0130_16.D
09 ICV CHEM20_0130	358704	7.03	1162388	8.19	562178	10.67			0130_17.D
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

3
AIR ICV RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCS55361
 ICV - Client Id: ICV_CHEM20_0130

COMPOUND	SPIKE ADDED (ppbv)		ICV CONCENTRATION (ppbv)	ICV % REC #	QC. LIMITS REC.	
Propylene	10		9.659	97	70	130
Dichlorodifluoromethane	10		10.21	102	70	130
Chloromethane	10		9.894	99	70	130
1,2-Dichlorotetrafluoroethane	10		10.20	102	70	130
Vinyl Chloride	10		9.700	97	70	130
1,3-Butadiene	10		9.529	95	70	130
Bromomethane	10		9.761	98	70	130
Chloroethane	10		9.631	96	70	130
Ethanol	10		5.784	58 *	70	130
Acetone	10		9.534	95	70	130
Trichlorofluoromethane	10		9.914	99	70	130
Isopropylalcohol	10		9.323	93	70	130
Acrylonitrile	10		10.49	105	70	130
1,1-Dichloroethene	10		9.954	100	70	130
Methylene Chloride	10		9.264	93	70	130
Carbon Disulfide	10		10.92	109	70	130
Trichlorotrifluoroethane	10		10.36	104	70	130
Trans-1,2-Dichloroethene	10		9.835	98	70	130
1,1-Dichloroethane	10		9.972	100	70	130
Methyl tert-butyl ether(MTBE)	10		9.958	100	70	130
Methyl Ethyl Ketone	10		9.828	98	70	130
Cis-1,2-Dichloroethene	10		9.981	100	70	130
Hexane	10		9.899	99	70	130
Chloroform	10		10.07	101	70	130
Ethyl acetate	10		11.99	120	70	130
Tetrahydrofuran	10		9.954	100	70	130
1,2-Dichloroethane	10		9.761	98	70	130
1,1,1-Trichloroethane	10		10.37	104	70	130
Benzene	10		10.23	102	70	130
Carbon Tetrachloride	10		10.36	104	70	130
Cyclohexane	10		9.271	93	70	130
1,2-dichloropropane	10		10.22	102	70	130
Bromodichloromethane	10		10.19	102	70	130
Trichloroethene	10		9.779	98	70	130
2,2,4-trimethylpentane	10		9.606	96	70	130
1,4-Dioxane	10		8.733	87	70	130
Heptane	10		10.16	102	70	130
cis-1,3-Dichloropropene	10		10.08	101	70	130
4-Methyl-2-pentanone(MIBK)	10		9.494	95	70	130
trans-1,3-Dichloropropene	10		10.56	106	70	130
1,1,2-Trichloroethane	10		10.02	100	70	130
Toluene	10		10.14	101	70	130
Dibromochloromethane	10		10.48	105	70	130
2-Hexanone(MBK)	10		9.625	96	70	130

FORM III AIR

3
AIR ICV RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCS55361
 ICV - Client Id: ICV_CHEM24_0114

COMPOUND	SPIKE ADDED (ppbv)		ICV CONCENTRATION (ppbv)	ICV % REC #	QC. LIMITS REC.	
Propylene	10		9.875	99	70	130
Dichlorodifluoromethane	10		10.42	104	70	130
Chloromethane	10		9.877	99	70	130
1,2-Dichlorotetrafluoroethane	10		10.37	104	70	130
Vinyl Chloride	10		10.14	101	70	130
1,3-Butadiene	10		9.753	98	70	130
Bromomethane	10		9.453	95	70	130
Chloroethane	10		9.725	97	70	130
Ethanol	10		6.158	62 *	70	130
Acetone	10		9.979	100	70	130
Trichlorofluoromethane	10		10.22	102	70	130
Isopropylalcohol	10		9.703	97	70	130
Acrylonitrile	10		9.969	100	70	130
1,1-Dichloroethene	10		10.45	105	70	130
Methylene Chloride	10		9.714	97	70	130
Carbon Disulfide	10		10.23	102	70	130
Trichlorotrifluoroethane	10		10.39	104	70	130
Trans-1,2-Dichloroethene	10		10.22	102	70	130
1,1-Dichloroethane	10		10.43	104	70	130
Methyl tert-butyl ether(MTBE)	10		10.40	104	70	130
Methyl Ethyl Ketone	10		10.22	102	70	130
Cis-1,2-Dichloroethene	10		10.43	104	70	130
Hexane	10		10.44	104	70	130
Chloroform	10		10.56	106	70	130
Ethyl acetate	10		12.68	127	70	130
Tetrahydrofuran	10		10.48	105	70	130
1,2-Dichloroethane	10		10.57	106	70	130
1,1,1-Trichloroethane	10		10.70	107	70	130
Benzene	10		10.32	103	70	130
Carbon Tetrachloride	10		10.85	109	70	130
Cyclohexane	10		9.850	99	70	130
1,2-dichloropropane	10		10.32	103	70	130
Bromodichloromethane	10		10.39	104	70	130
Trichloroethene	10		10.39	104	70	130
2,2,4-trimethylpentane	10		9.891	99	70	130
1,4-Dioxane	10		9.073	91	70	130
Heptane	10		10.21	102	70	130
cis-1,3-Dichloropropene	10		10.66	107	70	130
4-Methyl-2-pentanone(MIBK)	10		9.869	99	70	130
trans-1,3-Dichloropropene	10		10.74	107	70	130
1,1,2-Trichloroethane	10		10.48	105	70	130
Toluene	10		10.44	104	70	130
Dibromochloromethane	10		10.97	110	70	130
2-Hexanone(MBK)	10		10.20	102	70	130

FORM III AIR

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 01/31/25 Time: 13:22

Lab File Id: 0131_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.210	0.190		9.5	30
Heptane	0.605	0.592		2.1	30
cis-1,3-Dichloropropene	0.592	0.552		6.8	30
4-Methyl-2-pentanone(MIBK)	0.829	0.804		3.0	30
trans-1,3-Dichloropropene	0.478	0.434		9.2	30
1,1,2-Trichloroethane	0.425	0.415		2.4	30
Toluene	1.189	1.072		9.8	30
Dibromochloromethane	0.854	0.864		-1.2	30
2-Hexanone(MBK)	0.720	0.652		9.4	30
1,2-Dibromoethane(EDB)	0.729	0.693		4.9	30
Tetrachloroethene	0.664	0.616		7.2	30
1,1,1,2-Tetrachloroethane	1.107	1.161		-4.9	30
Chlorobenzene	1.900	1.931		-1.6	30
Ethylbenzene	2.992	2.740		8.4	30
m,p-Xylene	2.248	1.762		21.6	30
Bromoform	1.596	1.728		-8.3	30
Styrene	1.612	1.454		9.8	30
1,1,2,2-Tetrachloroethane	1.758	1.835		-4.4	30
o-Xylene	2.413	2.275		5.7	30
Isopropylbenzene	3.337	3.311		0.8	30
4-Ethyltoluene	3.210	3.135		2.3	30
1,3,5-Trimethylbenzene	2.661	2.542		4.5	30
1,2,4-Trimethylbenzene	2.762	2.574		6.8	30
Benzyl chloride qfi	1.000	0.74		26.0 #	20
1,3-Dichlorobenzene	1.669	1.653		1.0	30
1,4-Dichlorobenzene	1.503	1.476		1.8	30
sec-Butylbenzene	4.114	4.098		0.4	30
4-Isopropyltoluene	3.735	3.615		3.2	30
1,2-Dichlorobenzene	1.634	1.601		2.0	30
n-Butylbenzene	2.827	2.460		13.0	30
1,2,4-Trichlorobenzene qfi	1.000	0.53		47.0 #	20
Naphthalene qfi	1.000	0.53		47.0 #	20
Hexachlorobutadiene	1.672	1.655		1.0	30
1,2-Dichlorotetrafluoroethane(sim)	3.301	2.803		15.1	30
Vinyl Chloride(sim)	1.268	1.111		12.4	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 01/31/25 Time: 13:22

Lab File Id: 0131_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.349	1.059		21.5	30
Trichlorofluoromethane(sim)	3.414	3.227		5.5	30
1,2-Dichloroethane(sim)	1.795	1.584		11.8	30
1,1,1-Trichloroethane(sim)	2.721	2.598		4.5	30
Benzene(sim)	3.473	3.062		11.8	30
Carbon Tetrachloride(sim)	2.662	2.759		-3.6	30
1,1-Dichloroethene(sim)	1.989	1.743		12.4	30
Trichlorotrifluoroethane(sim)	2.646	2.486		6.0	30
Trans-1,2-Dichloroethene(sim)	1.821	1.612		11.5	30
1,1-Dichloroethane(sim)	2.260	2.148		5.0	30
Cis-1,2-Dichloroethene(sim)	1.764	1.516		14.1	30
Chloroform(sim)	2.631	2.457		6.6	30
1,2-dichloropropane(sim)	0.429	0.405		5.6	30
Bromodichloromethane(sim)	0.779	0.753		3.3	30
Trichloroethene(sim)	0.522	0.471		9.8	30
1,4-Dioxane(sim)	0.210	0.190		9.5	30
cis-1,3-Dichloropropene(sim)	0.618	0.589		4.7	30
1,1,2-Trichloroethane(sim)	0.442	0.415		6.1	30
Dibromochloromethane(sim)	0.824	0.850		-3.2	30
1,2-Dibromoethane(EDB)(sim)	0.742	0.693		6.6	30
Tetrachloroethene(sim)	0.785	0.622		20.8	30
Bromoform(sim)	1.490	1.625		-9.1	30
m,p-Xylene(sim)	2.723	2.218		18.5	30
1,1,2,2-Tetrachloroethane(sim)	1.949	1.894		2.8	30
Benzyl chloride(sim) qfi	1.000	1.21		-21.0 #	20
1,3-Dichlorobenzene(sim)	1.586	1.873		-18.1	30
1,4-Dichlorobenzene(sim)	1.247	1.473		-18.1	30
sec-Butylbenzene(sim)	4.827	4.369		9.5	30
4-Isopropyltoluene(sim)	3.916	3.614		7.7	30
1,2-Dichlorobenzene(sim)	1.670	1.758		-5.3	30
n-Butylbenzene(sim)	2.312	2.460		-6.4	30
1,2,4-Trichlorobenzene(sim) qfi	1.000	0.75		25.0 #	20
Hexachlorobutadiene(sim)	1.859	1.633		12.2	30
% Bromofluorobenzene	1.221	1.269		-3.9	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 02/03/25 Time: 14:28

Lab File Id: 0203_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.210	0.204		2.9	30
Heptane	0.605	0.632		-4.5	30
cis-1,3-Dichloropropene	0.592	0.586		1.0	30
4-Methyl-2-pentanone(MIBK)	0.829	0.832		-0.4	30
trans-1,3-Dichloropropene	0.478	0.456		4.6	30
1,1,2-Trichloroethane	0.425	0.437		-2.8	30
Toluene	1.189	1.151		3.2	30
Dibromochloromethane	0.854	0.903		-5.7	30
2-Hexanone(MBK)	0.720	0.681		5.4	30
1,2-Dibromoethane(EDB)	0.729	0.723		0.8	30
Tetrachloroethene	0.664	0.654		1.5	30
1,1,1,2-Tetrachloroethane	1.107	1.244		-12.4	30
Chlorobenzene	1.900	2.003		-5.4	30
Ethylbenzene	2.992	2.883		3.6	30
m,p-Xylene	2.248	1.865		17.0	30
Bromoform	1.596	1.803		-13.0	30
Styrene	1.612	1.517		5.9	30
1,1,2,2-Tetrachloroethane	1.758	1.865		-6.1	30
o-Xylene	2.413	2.439		-1.1	30
Isopropylbenzene	3.337	3.550		-6.4	30
4-Ethyltoluene	3.210	3.321		-3.5	30
1,3,5-Trimethylbenzene	2.661	2.644		0.6	30
1,2,4-Trimethylbenzene	2.762	2.711		1.8	30
Benzyl chloride qfi	1.000	0.72		28.0 #	20
1,3-Dichlorobenzene	1.669	1.656		0.8	30
1,4-Dichlorobenzene	1.503	1.484		1.3	30
sec-Butylbenzene	4.114	4.207		-2.3	30
4-Isopropyltoluene	3.735	3.823		-2.4	30
1,2-Dichlorobenzene	1.634	1.626		0.5	30
n-Butylbenzene	2.827	2.558		9.5	30
1,2,4-Trichlorobenzene qfi	1.000	0.57		43.0 #	20
Naphthalene qfi	1.000	0.57		43.0 #	20
Hexachlorobutadiene	1.672	1.692		-1.2	30
1,2-Dichlorotetrafluoroethane(sim)	3.301	2.979		9.8	30
Vinyl Chloride(sim)	1.268	1.180		6.9	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 02/03/25 Time: 14:28

Lab File Id: 0203_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.349	1.144		15.2	30
Trichlorofluoromethane(sim)	3.414	3.410		0.1	30
1,2-Dichloroethane(sim)	1.795	1.703		5.1	30
1,1,1-Trichloroethane(sim)	2.721	2.762		-1.5	30
Benzene(sim)	3.473	3.259		6.2	30
Carbon Tetrachloride(sim)	2.662	2.906		-9.2	30
1,1-Dichloroethene(sim)	1.989	1.840		7.5	30
Trichlorotrifluoroethane(sim)	2.646	2.651		-0.2	30
Trans-1,2-Dichloroethene(sim)	1.821	1.712		6.0	30
1,1-Dichloroethane(sim)	2.260	2.280		-0.9	30
Cis-1,2-Dichloroethene(sim)	1.764	1.602		9.2	30
Chloroform(sim)	2.631	2.595		1.4	30
1,2-dichloropropane(sim)	0.429	0.428		0.2	30
Bromodichloromethane(sim)	0.779	0.774		0.6	30
Trichloroethene(sim)	0.522	0.493		5.6	30
1,4-Dioxane(sim)	0.210	0.204		2.9	30
cis-1,3-Dichloropropene(sim)	0.618	0.625		-1.1	30
1,1,2-Trichloroethane(sim)	0.442	0.437		1.1	30
Dibromochloromethane(sim)	0.824	0.891		-8.1	30
1,2-Dibromoethane(EDB)(sim)	0.742	0.723		2.6	30
Tetrachloroethene(sim)	0.785	0.654		16.7	30
Bromoform(sim)	1.490	1.711		-14.8	30
m,p-Xylene(sim)	2.723	2.332		14.4	30
1,1,2,2-Tetrachloroethane(sim)	1.949	1.965		-0.8	30
Benzyl chloride(sim) qfi	1.000	1.18		-18.0	20
1,3-Dichlorobenzene(sim)	1.586	1.879		-18.5	30
1,4-Dichlorobenzene(sim)	1.247	1.484		-19.0	30
sec-Butylbenzene(sim)	4.827	4.511		6.5	30
4-Isopropyltoluene(sim)	3.916	3.823		2.4	30
1,2-Dichlorobenzene(sim)	1.670	1.759		-5.3	30
n-Butylbenzene(sim)	2.312	2.558		-10.6	30
1,2,4-Trichlorobenzene(sim) qfi	1.000	0.79		21.0 #	20
Hexachlorobutadiene(sim)	1.859	1.689		9.1	30
% Bromofluorobenzene	1.221	1.251		-2.5	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 02/04/25 Time: 13:55

Lab File Id: 0204_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.210	0.202		3.8	30
Heptane	0.605	0.613		-1.3	30
cis-1,3-Dichloropropene	0.592	0.572		3.4	30
4-Methyl-2-pentanone(MIBK)	0.829	0.820		1.1	30
trans-1,3-Dichloropropene	0.478	0.447		6.5	30
1,1,2-Trichloroethane	0.425	0.432		-1.6	30
Toluene	1.189	1.116		6.1	30
Dibromochloromethane	0.854	0.887		-3.9	30
2-Hexanone(MBK)	0.720	0.646		10.3	30
1,2-Dibromoethane(EDB)	0.729	0.715		1.9	30
Tetrachloroethene	0.664	0.642		3.3	30
1,1,1,2-Tetrachloroethane	1.107	1.219		-10.1	30
Chlorobenzene	1.900	2.003		-5.4	30
Ethylbenzene	2.992	2.881		3.7	30
m,p-Xylene	2.248	1.814		19.3	30
Bromoform	1.596	1.731		-8.5	30
Styrene	1.612	1.491		7.5	30
1,1,2,2-Tetrachloroethane	1.758	1.873		-6.5	30
o-Xylene	2.413	2.399		0.6	30
Isopropylbenzene	3.337	3.454		-3.5	30
4-Ethyltoluene	3.210	3.216		-0.2	30
1,3,5-Trimethylbenzene	2.661	2.648		0.5	30
1,2,4-Trimethylbenzene	2.762	2.659		3.7	30
Benzyl chloride qfi	1.000	0.66		34.0 #	20
1,3-Dichlorobenzene	1.669	1.560		6.5	30
1,4-Dichlorobenzene	1.503	1.364		9.2	30
sec-Butylbenzene	4.114	4.110		0.1	30
4-Isopropyltoluene	3.735	3.654		2.2	30
1,2-Dichlorobenzene	1.634	1.557		4.7	30
n-Butylbenzene	2.827	2.410		14.8	30
1,2,4-Trichlorobenzene qfi	1.000	0.44		56.0 #	20
Naphthalene qfi	1.000	0.47		53.0 #	20
Hexachlorobutadiene	1.672	1.682		-0.6	30
1,2-Dichlorotetrafluoroethane(sim)	3.301	2.926		11.4	30
Vinyl Chloride(sim)	1.268	1.165		8.1	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCS55361

Instrument: CHEM24 Calibration Date: 02/04/25 Time: 13:55

Lab File Id: 0204_02.D Init. Calib. Date(s): 01/14/25 01/14/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:38 18:01

GC Column: RTX-1 Method File: 24_AIR_0114.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.349	1.118		17.1	30
Trichlorofluoromethane(sim)	3.414	3.382		0.9	30
1,2-Dichloroethane(sim)	1.795	1.659		7.6	30
1,1,1-Trichloroethane(sim)	2.721	2.709		0.4	30
Benzene(sim)	3.473	3.251		6.4	30
Carbon Tetrachloride(sim)	2.662	2.908		-9.2	30
1,1-Dichloroethene(sim)	1.989	1.809		9.0	30
Trichlorotrifluoroethane(sim)	2.646	2.624		0.8	30
Trans-1,2-Dichloroethene(sim)	1.821	1.720		5.5	30
1,1-Dichloroethane(sim)	2.260	2.270		-0.4	30
Cis-1,2-Dichloroethene(sim)	1.764	1.585		10.1	30
Chloroform(sim)	2.631	2.583		1.8	30
1,2-dichloropropane(sim)	0.429	0.424		1.2	30
Bromodichloromethane(sim)	0.779	0.772		0.9	30
Trichloroethene(sim)	0.522	0.486		6.9	30
1,4-Dioxane(sim)	0.210	0.202		3.8	30
cis-1,3-Dichloropropene(sim)	0.618	0.611		1.1	30
1,1,2-Trichloroethane(sim)	0.442	0.432		2.3	30
Dibromochloromethane(sim)	0.824	0.879		-6.7	30
1,2-Dibromoethane(EDB)(sim)	0.742	0.715		3.6	30
Tetrachloroethene(sim)	0.785	0.643		18.1	30
Bromoform(sim)	1.490	1.676		-12.5	30
m,p-Xylene(sim)	2.723	2.268		16.7	30
1,1,2,2-Tetrachloroethane(sim)	1.949	1.930		1.0	30
Benzyl chloride(sim) qfi	1.000	1.11		-11.0	20
1,3-Dichlorobenzene(sim)	1.586	1.760		-11.0	30
1,4-Dichlorobenzene(sim)	1.247	1.364		-9.4	30
sec-Butylbenzene(sim)	4.827	4.379		9.3	30
4-Isopropyltoluene(sim)	3.916	3.654		6.7	30
1,2-Dichlorobenzene(sim)	1.670	1.694		-1.4	30
n-Butylbenzene(sim)	2.312	2.410		-4.2	30
1,2,4-Trichlorobenzene(sim) qfi	1.000	0.69		31.0 #	20
Hexachlorobutadiene(sim)	1.859	1.678		9.7	30
% Bromofluorobenzene	1.221	1.229		-0.7	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

ATTACHMENT B
BUILDING INVENTORY FORM

Soil Vapor Intrusion - Structure Sampling Building Questionnaire

Structure ID : _____

Site No. : C130239Site Name : Former Tiffen Manufacturing FacilityDate: 1/29/2025

Time: _____

Structure Address : 41-71 Jane Street, Roslyn Heights, NY 11577Preparer's Name & Affiliation : Jake Stumm, FPM GroupResidential ? ☐ Yes ☒ No Owner Occupied ? ☐ Yes ☐ No Owner Interviewed ? ☐ Yes ☐ NoCommercial ? ☒ Yes ☐ No Industrial ? ☐ Yes ☐ No Mixed Uses ? ☐ Yes ☐ NoIdentify all non-residential use(s) : Self-storageOwner Name : Extra Space Storage, LLC Owner Phone : () _____ - _____

Secondary Owner Phone : () _____ - _____

Owner Address (if different) : _____

Occupant Name : Extra Space Storage Occupant Phone : () _____ - _____
(operator)

Secondary Occupant Phone : () _____ - _____

Number & Age of All Persons Residing at this Location : N/AAdditional Owner/Occupant Information : N/ADescribe Structure (style, number floors, size) : Multi-story self-storage facility
with attached paved parking lot.Approximate Year Built : _____ Is the building Insulated? ☐ Yes ☐ NoLowest level : ☐ Slab-on-grade ☐ Basement ☐ Crawlspace

Describe Lowest Level (finishing, use, time spent in space) : _____

Floor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____Floor Condition : ☒ Good (few or no cracks) ☐ Average (some cracks) ☐ Poor (broken concrete or dirt)Sumps/Drains? ☐ Yes ☒ No Describe : _____Identify other floor penetrations & details : Soil Vapor Sampling/Monitoring pointsWall Construction : ☐ Concrete Block ☐ Poured Concrete ☐ Laid-Up StoneIdentify any wall penetrations : N/AIdentify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : None observedHeating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other : _____Heating System : ☐ Forced Air ☐ Hot Water ☐ Other : Heat pump/vent?Hot Water System : ☐ Combustion ☐ Electric ☐ Boilermate ☐ Other : _____Clothes Dryer : ☐ Electric ☐ Gas Where is dryer vented to? N/A

If combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.) : _____

Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : Rooftop

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☐ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? _____

Recent **painting** or **staining** ? ☐ Yes ☒ No Where ? : _____

Any **solvent** or **chemical-like** odors ? ☐ Yes ☒ No Describe : _____

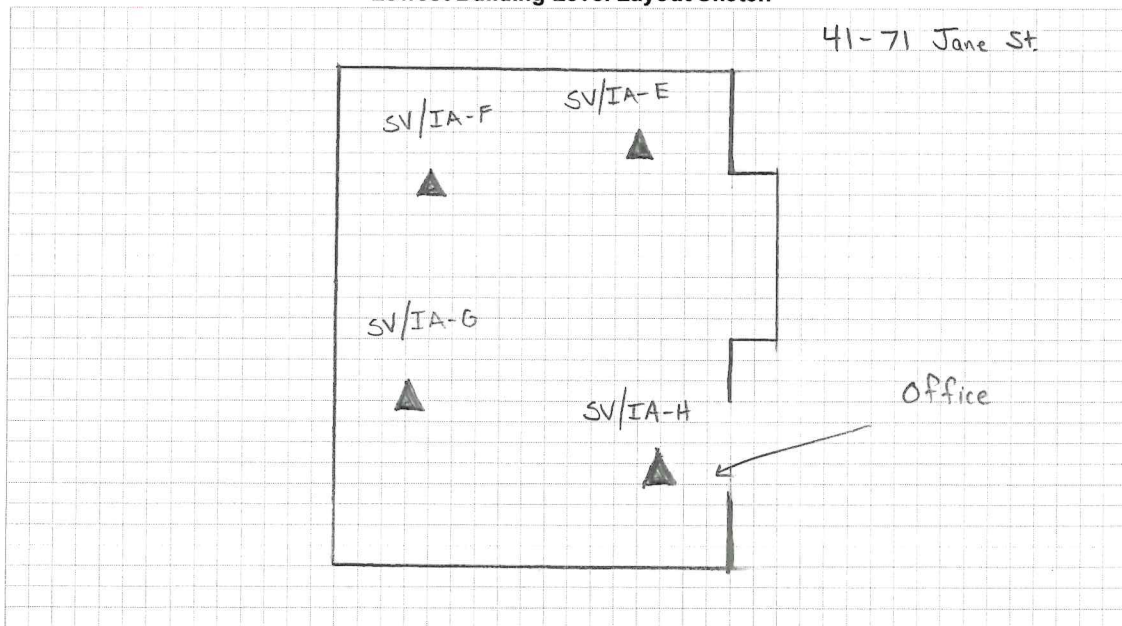
Last time **Dry Cleaned** fabrics brought in ? N/A What / Where ? N/A

Do any building occupants use solvents at work ? ☐ Yes ☐ No Describe : Unknown

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☐ Yes ☒ No If yes, describe below

Lowest Building Level Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F Boiler or Furnace HW Hot Water Heater FP Fireplaces WS Wood Stoves W/D Washer / Dryer S Sumps @ Floor Drains	o Other floor or wall penetrations (label appropriately) xxxxxx Perimeter Drains (draw inside or outside outer walls as appropriate) ##### Areas of broken-up concrete ● SS-1 Location & label of sub-slab vapor samples ● IA-1 Location & label of indoor air samples ● OA-1 Location & label of outdoor air samples ● PFET-1 Location and label of any pressure field test holes.	

Page 3 of 3

Date: 1/29/25

Structure ID:

Phone Number: 631-737-6200

Date of PID Calibration: 1/23/25

Identify any Changes from Original Building Questionnaire :

[illegible]