

**BUILDING 200 (FORMERLY 320) LA MILPA
SPACE PRE-OCCUPANCY INDOOR AIR
QUALITY TESTING SUMMARY REPORT**

AT

**1 PARK 84
FORMER IBM EAST FISHKILL FACILITY
2070 STATE ROUTE 52
HOPEWELL JUNCTION, NEW YORK 12533**

**JULY 2021
(UPDATED SEPTEMBER 2021 TO INCLUDE DATA
USABILITY SUMMARY REPORT)**

PREPARED FOR:

**JESSICA LACLAIR
NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION
DEPT. OF ENVIRONMENTAL REMEDIATION
625 BROADWAY
ALBANY, NEW YORK 12233-7013**

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
Industry Leader in Environmental Engineering Consulting

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Sent via email to jess.laclair@dec.ny.gov

July 13, 2021
iPARK0118.55

Ms. Jessica LaClair
Environmental Engineer
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: iPark 84, Former IBM East Fishkill Facility
Building 200 (formerly Building 320)
La Milpa Space Pre-Occupancy
Indoor Air Quality Testing Summary Report

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) has prepared this letter to summarize the results of the indoor air quality (IAQ) testing conducted on June 29, 2021 within the La Milpa space in Building 200 (formerly Building 320). Building 200 is owned by iPark East Fishkill (iPark). La Milpa is a food manufacturer leasing approximately 23,200 sq ft of space on the second floor of the building. Refer to **Figure 1** for the site location map. Following completion of interior construction in the tenant space, IAQ testing was conducted prior to tenant occupancy as required by NYSDEC and NYSDOH. The purpose of the testing was to verify that IAQ is acceptable before the tenant takes occupancy and begins operating in the space.

Walden, at the request of iPark, performed the IAQ testing in accordance with the *RCRA Facility Investigation (RFI) VOC Source Assessment Work Plan* (RFI Work Plan) dated June 15, 2009, prepared by Sanborn, Head Engineering, PC and Walden's La Milpa Pre-Occupancy IAQ Testing Plan letter (Testing Plan, dated February 18, 2021), which was approved by NYSDEC on April 7, 2021. Copies of the approved Testing Plan and associated correspondence with NYSDEC (April 2, 2021 comment letter; Walden's April 6, 2021 response and April 7, 2021 DEC approval) are included in **Appendix A**.



Previous Sampling in B200 (Formerly B320)

IBM collected one historical air sample on the first floor of B200 (B320) in 2007 (see Attachment A for Figure C-8 from the 2009 RFI Work Plan). SSV samples have not been collected in B200 (B320).

Under the draft Site Management Plan and Performance Monitoring Plan submitted to NYSDEC for review in May 2021, B200 (B320) and B210 (B320A) are proposed for annual checks of changes to building use, occupancy, and infrastructure. Indoor air sampling would be conducted in the event of changes to current use.

The B220 (B310) SSD system does not have any influence/impact on B200 (B320). The B220 (B310) SSD system pressure field is limited to portions of B220 (B310) only.

Summary of HVAC Conditions and Building Inventory

The La Milpa space in Building 200 (320) is served by the existing HVAC system Unit #6 which was operating under normal conditions at 17,000 CFM during the June 29, 2021 Pre-Occupancy IAQ sampling. A copy of the Indoor Air Quality Questionnaire and Building Inventory completed during the additional IAQ sampling event is presented in **Appendix B**.

Summary of IAQ Testing

IAQ testing was conducted in accordance with the procedures outlined in the NYSDEC-approved RFI Work Plan and Testing Plan. The additional samples were collected using a 6-liter, individually certified clean, stainless-steel Summa® canisters. The Summa® canisters were calibrated by the laboratory with flow controllers to obtain 8-hour time-averaged samples. The indoor air samples were collected from a height of approximately 2.5 feet above the floor in several locations throughout the space, as depicted on **Figure 2**:

Sample ID	Representative Square Footage (ft ²)	Area Use
IA-1	1,890	Storage Area A
IA-2	525	Hallway
IA-3	1,415	Storage Area B
IA-4	55	Office
IA-5	4,135	Processing Area
IA-6	820	Storage Area C
IA-7	410	Employee Break Room
IA-8	5,600	Storage Area D



A duplicate sample (IA-Dup) was collected at location IA-05: Processing Area. One (1) outdoor ambient air sample (AA-01) was collected adjacent to the rooftop air intake for the HVAC system to assess background conditions and any potential impacts on the IAQ results. A field blank was also collected by transferring lab-grade nitrogen directly from a compressed gas canister into a Summa[®] Canister.

PID readings were collected at each sample location immediately before sample collection began to evaluate whether VOCs were present in the space and had the potential to impact the IAQ results. The following PID readings were recorded:

Sample ID	PID Reading (ppm)
IA-01	0.0
IA-02	0.0
IA-03	0.0
IA-04	0.0
IA-05	0.0
IA-06	0.0
IA-07	0.0
IA-08	0.0
AA-01	0.0
FB	0.1

The PID screening measurements indicated no apparent air quality impacts. The presence of cleaning products and sealants were recorded in the tenant space (refer to **Appendix B**).

All samples were transferred to Phoenix Labs of Manchester, CT, a NYSDOH ELAP certified laboratory (NYSDOH ELAP #11301) under chain of custody for analysis of volatile organic compound (VOC) analytes via modified Method TO-15 (full list) to achieve lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride. A summary of field sampling information is provided in **Table 1**. The IAQ laboratory analytical data are provided in **Table 2**. Photos taken during the sampling are provided in **Appendix C**. The full laboratory analytical report is provided in **Appendix D**. A Data Usability Summary Report (DUSR) is being prepared and will be submitted under separate cover.

Results and Discussion

The La Milpa IAQ analytical data were compared to the typical indoor air background concentrations published in USEPA's 2001 Building Assessment and Survey Evaluation (BASE)

Ms. Jessica LaClair
Building 200 (320) La Milpa IAQ Testing
July 13, 2021

- 4 -



database. When developing BASE, USEPA collected indoor air samples at randomly selected office and commercial buildings using Summa[®] canisters. **Table 2** presents the La Milpa IAQ data compared to the 75th, 90th, 95th and 99th percentile indoor air BASE concentrations for reference in comparing the VOC data to typical indoor background concentrations.

All of the VOC concentrations detected in the La Milpa IAQ samples were within or below the range of background concentrations listed in the USEPA BASE database as noted in **Table 2**, indicating that indoor air quality is acceptable. Based on the results from the pre-occupancy IAQ testing presented herein, please confirm that the La Milpa space within Building 200 (B320) is suitable for tenant occupancy.

Please call me at (516) 624-7200 if you have any questions or need any additional information.

Very truly yours,
Walden Environmental Engineering, PLLC

Nora M. Brew, P.E.
VP/Senior Project Manager

Figure 1 – Site Location Map
Figure 2 – Sampling Locations

Table 1 – Summary of Field Information
Table 2 – Summary of IAQ Analysis

Appendix A - IAQ Testing Plan and Associated NYSDEC Correspondence
Appendix B – Indoor Air Quality Questionnaire and Building Inventory
Appendix C – Photographic Log of Sampling Locations
Appendix D – Laboratory Analytical Report (Category B Deliverables)
Appendix E – Data Usability Summary Report (added September 2021)

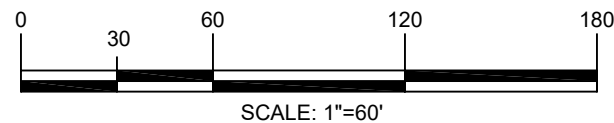
Attachment A - Figure C-8 from the 2009 RFI Work Plan

cc: J. Kenney, NYSDOH
L. Daubert, IBM
S. Montefusco, iPark
C. Monheit, iPark

Z:\iPark0118\iPark0118.55 - Building 200 La Milpa Space\IAQ Sampling\Summary Report



SITE PLAN
SCALE: 1" = 60'-0"



- UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION 7209 OF NEW YORK STATE EDUCATION LAW.
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No.	DATE

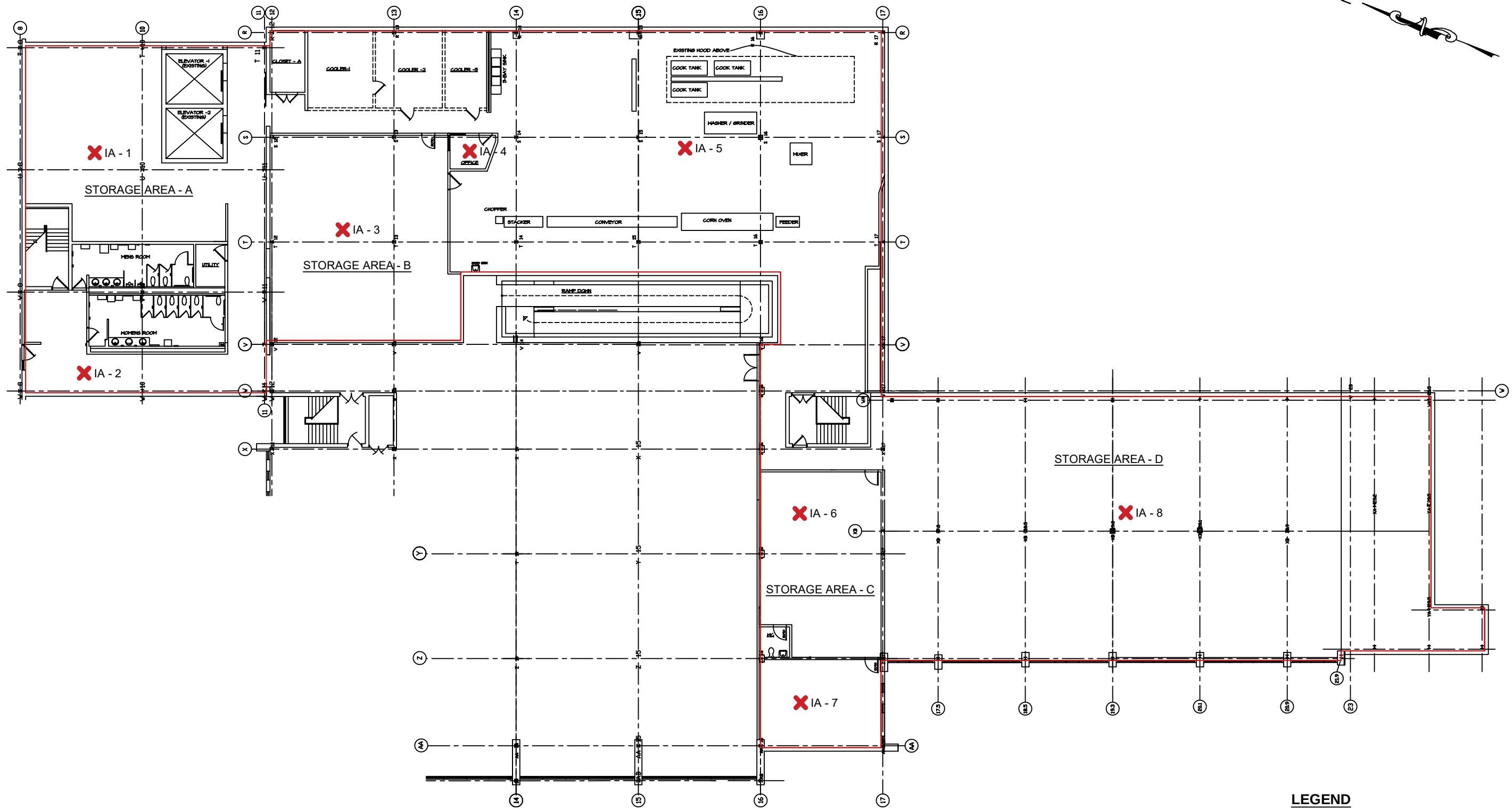
FOR: BUILDING 200 (FORMER 320) iPark 84 Campus 2070 State Route 52 Hopewell Junction, NY 12533	
DESIGNED BY: NMB	DRAWN BY: EJK
APPROVED BY: JMH	SCALE: AS NOTED

DRAWING TITLE: SITE PLAN BUILDING 200 - LA MILPA SPACE ON SECOND FLOOR		FIGURE NO: 1	ISSUED 0
JOB NO: IPARK118.39	DATE: 10/28/19	11x17	SHEET NO: 1 OF 1
CAD FILE NAME: Z:\IPark\0118\IPark0118.39 - MacroCafe\B320-2nd Floor-MacroCafe.dwg			



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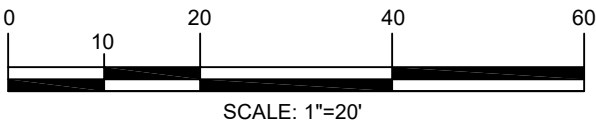


BUILDING 200 LAMILPA
SCALE: 1" = 20' - 0"

LEGEND

- PERIMETER OF TENANT SPACE

X -IAQ SAMPLING LOCATION



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FOR:		iPark 84 Campus 200 North Drive Hopewell Junction, NY 12533		DRAWING TITLE:		BUILDING 200 - LAMILPA IAQ SAMPLING LOCATIONS		FIGURE NO:		ISSUED	
DESIGNED BY: NMB		DRAWN BY: JWB		JOB NO: IPARK118.51		DATE: 2/11/21		11x17		SHEET NO: 1 OF 1	
APPROVED BY: JMH		SCALE: AS NOTED		CAD FILE NAME: 2:\iPark\0118\iPark0118.55 - Building 200 La Milpa Space\ACAD\iPark0118 B-200 LaMilpa IAQ Sampling Location.dwg						REVISION NO: 0	



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**iPARK 84 Campus
2070 NY-Route 52
Hopewell Junction, New York**

**TABLE 1
SUMMARY OF INDOOR AIR SAMPLE INFORMATION (JUNE 29, 2021)
BUILDING 200 (FORMER 320) - LA MILPA**

Sample Location	Building Floor	Sample Matrix	Canister Number	Regulator Number	Sample Height (feet above floor)	Start Time (24-hour format)	Start Pressure (mmHg)	PID Reading (ppm)	Stop Time (24-hour format)	Stop Pressure (mmHg)	Temperature (°F)	Location Description	Chemicals Observed Near Sample Location
IA-01	Second	Indoor Air	369	5659	2.5	8:36	-30	0.0	15:46	-8	76	Storage Area A	None Observed
IA-02	Second	Indoor Air	23330	6997	2.5	8:28	-30	0.0	15:47	-8	76	Hallway	None Observed
IA-03	Second	Indoor Air	480	5040	2.5	8:48	-30	0.0	15:44	-9	76	Storage Area B	None observed
IA-04	Second	Indoor Air	23335	5518	2.5	8:39	-29	0.0	14:25	-8	76	Office	None observed
IA-05	Second	Indoor Air	23338	5043	2.5	8:43	-30	0.0	15:12	-9	76	Processing Area	None Observed
IA-06	Second	Indoor Air	12858	7020	2.5	9:09	-30	0.0	15:59	-9	76	Storage Area C	None Observed
IA-07	Second	Indoor Air	28577	5402	2.5	9:05	-30	0.0	15:42	-9	76	Employee Break Room	None observed
IA-08	Second	Indoor Air	28557	5030	2.5	9:12	-30	0.0	16:18	-9	76	Storage Area D	None observed
IA-DUP	Second	Indoor Air	494	7008	2.5	8:44	-30	0.0	15:22	-9	76	Processing Area	None observed
AA-01	Roof	Ambient Air	21357	5238	2.5	8:31	-29	0.0	16:47	-10	80 (AM), 95 (PM)	HVAC Unit #6	None observed
FB	First	Nitrogen Field Blank	28587	5350	1	8:12	-30	0.1	8:59	-9	65		None observed

iPARK 84 Campus
2070 NY-Route 52
Hopewell Junction, New York

TABLE 2
SUMMARY OF IAQ ANALYSIS (JUNE 29, 2021)
BUILDING 200 (FORMER 320) - LA MILPA

CAS Registry Number	USEPA BASE Database Tables - Typical Background Concentrations for Indoor Air				Collection Date Sample ID	6/29/2021 IA-01		6/29/2021 IA-02		6/29/2021 IA-03		6/29/2021 IA-04		6/29/2021 IA-05		6/29/2021 IA-DUP		6/29/2021 IA-06		6/29/2021 IA-07		6/29/2021 IA-08		6/29/2021 AA-01		6/29/2021 Field Blank	
					Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		Air		Air	
					Location	Storage Area A		Hallway		Storage Area B		Office		Processing Area		Processing Area		Storage Area C		Employee Break Room		Storage Area D		HVAC Unit#6		Nitrogen Field Blank	
	75th Percentile	90th Percentile	95th Percentile	99th Percentile	Units	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL		
Volatiles (TO15) By TO15																											
1,1,1-Trichloroethane 71-55-6	10.8	20.6	33.0	737.9	ug/m3	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09
1,1-Dichloroethene 75-35-4	<1.2	<1.4	<1.6	<1.7	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene 120-82-1	<1.2	<6.8	<7.2	<8.1	ug/m3	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85
1,2-Dichlorobenzene 95-50-1	<1.0	<1.2	<1.3	10.5	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
1,3-Dichlorobenzene 541-73-1	<1.1	<2.4	<2.5	<2.8	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
1,4-Dichlorobenzene 106-46-7	1.4	5.5	12.5	80.5	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
Acetone 67-64-1	59.8	98.9	120.2	226.6	ug/m3	19.7	2.37	18.7	2.37	19.1	2.37	19.1	2.37	19.2	2.37	19.2	2.37	19.3	2.37	33.7	2.37	36.3	2.37	13.5	2.37	7.48	2.37
Benzene 71-43-2	5.1	9.4	12.5	25.0	ug/m3	0.17	0.16	0.17	0.16	0.17	0.16	0.18	0.16	0.18	0.16	0.17	0.16	0.17	0.16	0.29	0.16	0.18	0.16	< 0.16	0.16	7.02	0.16
Carbon Tetrachloride 56-23-5	<1.1	<1.3	0.7	0.9	ug/m3	0.4	0.13	0.41	0.13	0.41	0.13	0.41	0.13	0.42	0.13	0.41	0.13	0.42	0.13	0.75	0.13	0.4	0.13	0.38	0.13	0.24	0.13
Chlorobenzene 108-90-7	<0.8	<0.9	<1.0	1.0	ug/m3	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92
Cis-1,2-Dichloroethene 156-59-2	<1.2	<1.9	<2.0	<2.2	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Dichlorodifluoromethane 75-71-8	10.5	16.5	32.9	81.3	ug/m3	2.86	0.99	3.11	0.99	3	0.99	3.19	0.99	3.33	0.99	3.25	0.99	2.77	0.99	3.64	0.99	2.86	0.99	2.1	0.99	< 0.99	0.99
Ethylbenzene 100-41-4	3.4	5.7	7.6	18.5	ug/m3	1.5	0.65	1.25	0.65	1.21	0.65	1.46	0.65	1.29	0.65	1.29	0.65	1.27	0.65	2.34	0.65	1.13	0.65	1.02	0.65	0.94	0.65
m,p-Xylene 179601-23-1	12.2	22.2	28.5	67.6	ug/m3	7.25	0.65	5.77	0.65	5.6	0.65	6.77	0.65	6.03	0.65	5.99	0.65	6.16	0.65	10.9	0.65	5.34	0.65	4.77	0.65	4.6	0.65
Methylene Chloride 75-09-2	5.0	10.0	16.0	1155.6	ug/m3	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	2.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39
o-Xylene 95-47-6	4.4	7.9	11.2	20.1	ug/m3	1.94	0.65	1.58	0.65	1.51	0.65	1.83	0.65	1.59	0.65	1.62	0.65	1.63	0.65	2.93	0.65	1.46	0.65	1.25	0.65	2.88	0.65
Tetrachloroethene 127-18-4	5.9	15.9	25.4	55.6	ug/m3	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	1.04	0.68
Toluene 108-88-3	25.9	43.0	70.8	348.9	ug/m3	< 0.75	0.75	< 0.75	0.75	< 0.75	0.75	< 0.75	0.75	< 0.75	0.75	0.75	0.75	0.75	0.75	1.23	0.75	< 0.75	0.75	< 0.75	0.75	3.23	0.75
Trichloroethene 79-01-6	1.2	4.2	6.5	57.0	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Trichlorofluoromethane 75-69-4	6.7	18.1	54.0	860.6	ug/m3	4.36	0.84	4.55	0.84	4.5	0.84	4.39	0.84	4.76	0.84	4.64	0.84	4.51	0.84	7.69	0.84	5.03	0.84	1.62	0.84	< 0.84	0.84
Trichlorotrifluoroethane 76-13-1	<3.0	3.5	9.4	19.7	ug/m3	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	1.46	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15
Vinyl Chloride 75-01-4	<1.0	<1.9	<2.2	<2.6	ug/m3	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05

Result Detected

APPENDIX A

IAQ TESTING PLAN AND ASSOCIATED NYSDEC CORRESPONDENCE

- IAQ TESTING PLAN (WALDEN, FEBRUARY 18, 2021)
- NYSDEC COMMENT LETTER (APRIL 2, 2021)
- WALDEN RESPONSE LETTER (APRIL 6, 2021)
- NYSDEC APPROVAL LETTER (APRIL 7, 2021)

**BUILDING 200 (FORMERLY 320) LA MILPA SPACE
PRE-OCCUPANCY INDOOR AIR QUALITY TESTING PLAN**

AT

**IPARK 84
FORMER IBM EAST FISHKILL FACILITY
2070 STATE ROUTE 52
HOPEWELL JUNCTION, NEW YORK 12533**

FEBRUARY 2021

PREPARED FOR:

**JESSICA LACLAIR
NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION
DEPT. OF ENVIRONMENTAL REMEDIATION
625 BROADWAY
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WALDEN ENVIRONMENTAL ENGINEERING, PLLC

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Sent via email to jess.laclair@dec.ny.gov

February 18, 2021
iPARK0118.55

Jessica LaClair
Environmental Engineer
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: iPark 84, Former IBM East Fishkill Facility
Building 200 (Formerly Building 320) – La Milpa
Pre-Occupancy Indoor Air Quality Testing Plan

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) has prepared this letter to summarize the Indoor Air Quality (IAQ) testing proposed to evaluate indoor air quality within Building 200 (Formerly Building 320) at the Former IBM East Fishkill facility (Facility). A food manufacturer (La Milpa) that will employ approximately six (6) people plans to lease approximately 23,200 ft² of space on the second floor of Building 200 (320). A copy of the 60-day notification for the La Milpa use, submitted to NYSDEC on November 5, 2020 is attached in **Appendix A**. See **Figure 1** for the site location map and **Figure 2** for the proposed La Milpa space layout. It is understood that NYSDEC and NYSDOH require this sampling to be completed and the results reported to the State to verify that IAQ is acceptable in this space before the tenant takes occupancy.

iPark is in the process of completing the interior modifications as needed to ready the La Milpa space for occupancy. These modifications include relocation of interior walls. The space has an open plenum ceiling. Once the interior modifications are completed, Walden, at the request of iPark, shall perform the IAQ testing in accordance with the procedures detailed in the June 15, 2009 *RCRA Facility Investigation (RFI) VOC Source Assessment Work Plan (RFI Work Plan*, prepared on behalf of IBM) which was previously approved by NYSDEC. Walden will notify NYSDEC and NYSDOH when the IAQ sampling has been scheduled.



The proposed IAQ sampling locations are shown on **Figure 2** and listed below. The actual sampling locations will be determined in the field. Any significant changes from the locations shown on **Figure 2** will be discussed with NYSDEC and NYSDOH to gain the State's concurrence before sample collection begins. The La Milpa space in Building 200 (320) is served by the existing HVAC system which will be re-energized. The HVAC system will be operating during the IAQ sampling. Building 200 (320) is not served by any Sub Slab Depressurization Systems (SSDS).

Sample ID	Representative Square Footage (ft ²)	Area Use
IA-1	1,890	Storage Area A
IA-2	525	Hallway
IA-3	1,415	Storage Area B
IA-4	55	Office
IA-5	4,135	Processing Area
IA-6	820	Storage Area C
IA-7	410	Employee Break Room
IA-8	5,600	Storage Area D

In addition to the samples referenced above, one duplicate sample (IA-Duplicate) will be collected at one of the sample locations which will be determined in the field. One outdoor ambient air sample (AA-01) will be collected at the HVAC unit intake to assess background conditions and identify any background impacts to IAQ. A nitrogen field blank will also be collected. Any chemicals observed as being stored or used within the space will be inventoried during the sampling.

All samples will be submitted to Phoenix Labs of Manchester, CT, a NYSDOH ELAP certified laboratory (NYSDOH ELAP #11301) for analysis of VOC analytes via Method TO-15 (full list). A modified Method TO-15 as specified in the June 2009 *RFI Work Plan* will be used to achieve lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride. The IAQ data will be evaluated, validated and presented in a summary report that will be submitted to NYSDEC and NYSDOH for review to confirm that the space is approved for occupancy. Data generated during these Building 200 (320) IAQ sampling activities will be shared with IBM. Note that iPark will provide the results of the IAQ sampling to the tenant within 45 days of receiving the validated data.

Please call me at (516) 624-7200 if you have any questions or need any additional information.

Ms. Jessica LaClair
B200 (320) La Milpa IAQ Testing Plan
February 18, 2021

- 3 -



Very truly yours,
Walden Environmental Engineering, PLLC

A handwritten signature in cursive script that reads "Nora M. Brew".

Nora M. Brew, P.E.
VP/Senior Project Manager

cc: J. Kenney, NYSDOH
C. Monheit, iPark East Fishkill
D. Vitija, iPark East Fishkill
D. Chartrand, IBM

Attachments:

Figure 1 – Site Location Map
Figure 2 – Proposed IAQ Sampling Locations

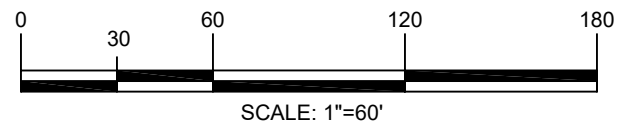
Appendix A – 60-Day Notification for Building 200 (320) Second Floor La Milpa (November 5, 2020)

Z:\ipark0118\ipark0118.55 - Building 200 La Milpa Space\IAQ Work Plan\B200 (Formerly 320) La Milpa IAQ Testing Plan Letter 2.18.21.Docx

FIGURE 1
SITE LOCATION MAP



SITE PLAN
SCALE: 1" = 60'-0"



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REVISION	
No.	DATE

FOR: BUILDING 200 (FORMER 320) iPark 84 Campus 2070 State Route 52 Hopewell Junction, NY 12533	
DESIGNED BY: NMB	DRAWN BY: EJK
APPROVED BY: JMH	SCALE: AS NOTED

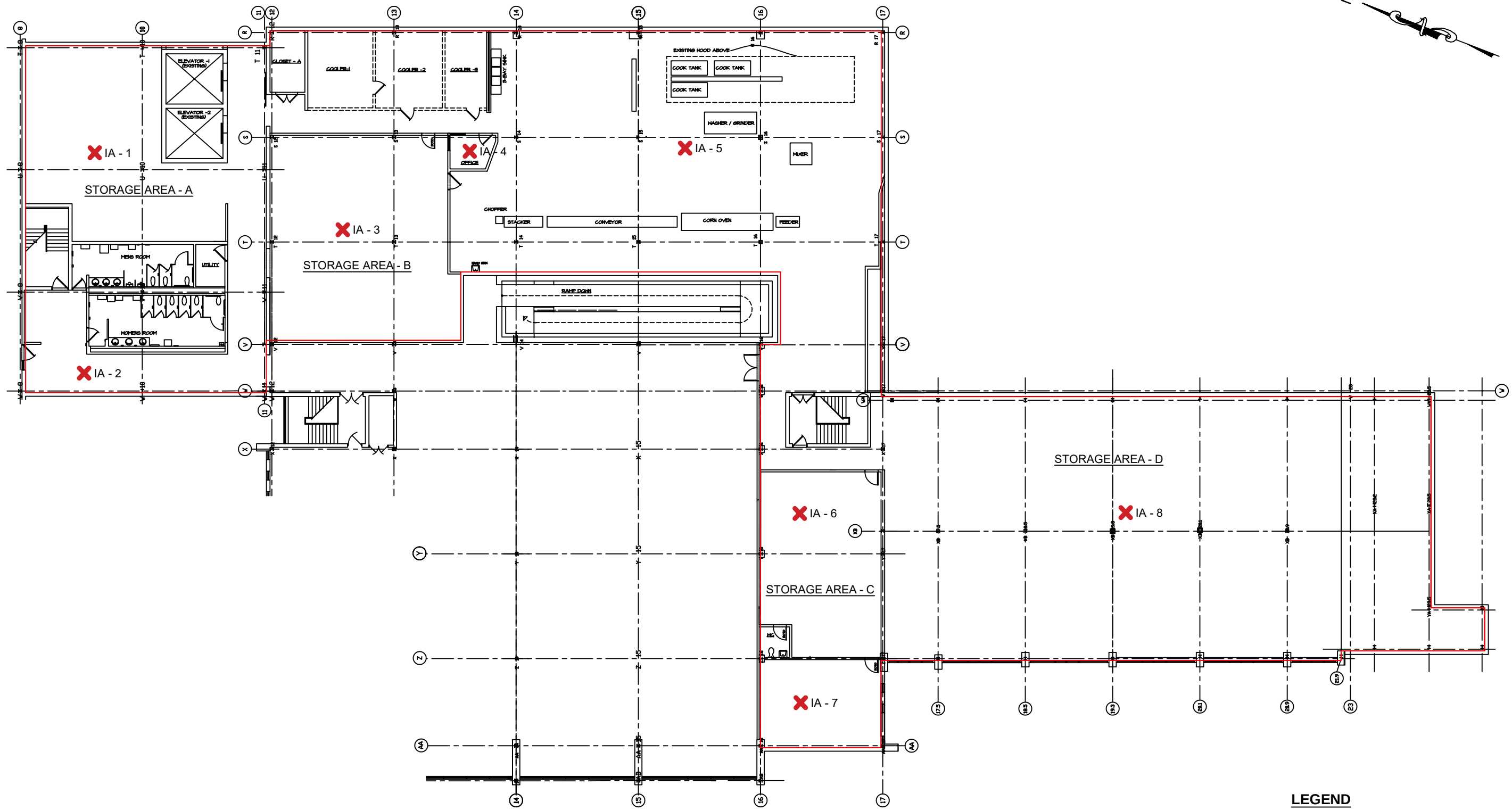
DRAWING TITLE: SITE PLAN BUILDING 200 - LA MILPA SPACE ON SECOND FLOOR		FIGURE NO: 1	ISSUED
JOB NO: IPARK118.39	DATE: 10/28/19	11x17	REVISION NO: 0
SHEET NO: 1 OF 1			
CAD FILE NAME: Z:\iPark\0118\iPark0118.39 - MacroCafe\B320-2nd Floor-MacroCafe.dwg			



WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 SPRING STREET
OYSTER BAY, NEW YORK 11771
P: (516) 624-7200 F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

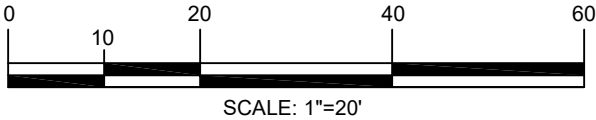
FIGURE 2

PROPOSED IAQ SAMPLING LOCATIONS



BUILDING 200 LAMILPA
SCALE: 1" = 20' - 0"

- LEGEND**
- PERIMETER OF TENANT SPACE
 - PROPOSED IAQ SAMPLING LOCATION



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REVISION		
No.	DATE	COMMENTS

FOR:		iPark 84 Campus 200 North Drive Hopewell Junction, NY 12533		DRAWING TITLE:		BUILDING 200 - LAMILPA PROPOSED IAQ SAMPLING LOCATIONS		FIGURE NO:		ISSUED	
DESIGNED BY: NMB		DRAWN BY: JWB		JOB NO: IPARK118.51		DATE: 2/11/21		11x17		SHEET NO: 1 OF 1	
APPROVED BY: JMH		SCALE: AS NOTED		CAD FILE NAME: 2:\IPark\0118\IPark0118.55 - Building 200 La Milpa Space\ACAD\IPark0118 B-200 LaMilpa IAQ Sampling Location.dwg				2		REVISION NO: 0	



WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 SPRING STREET
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APPENDIX A

60-DAY NOTIFICATION FOR BUILDING 200 (320) SECOND FLOOR LA MILPA
(NOVEMBER 5, 2020)

**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Former IBM East Fishkill Facility **DEC Site ID No.** 314054

II. Contact Information of Person Submitting Notification:

Name: Carl Monheit
Address1: iPark East Fishkill, LLC
Address2: 2070 Route 52, Building 200, Hopewell Junction, NY 12533
Phone: 203-912-7571 E-mail: cmonheit@nationalresources.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- ☐ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☒ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 12/1/2020**IV. Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

See attached description of the proposed re-occupancy of space in the existing cafeteria on the second floor of Building 200 (Former 320) by LaMilpa, a food manufacturing operation.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

See attached discussion of how the proposed re-occupancy of space in the existing second floor cafeteria in Building 200 (Former 320) by LaMilpa (a food manufacturing operation) will not affect the remedial program at the Former IBM East Fishkill Facility.

- V. Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____
(Signature) _____ (Date)

Not Applicable

(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

- VI. Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Not Applicable

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Certifying Party Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name: _____
(Signature)

(Date)

(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Continuation Sheet

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____



Instructions for Completing the 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion (CoC), and/or Ownership Form

Submit to: Chief, Site Control Section, New York State Department of Environmental Conservation, Division of Environmental Remediation, 625 Broadway, Albany NY 12233-7020

Section I

Description

Site Name

Official DEC site name.
(see <http://www.dec.ny.gov/cfm/externalapps/derexternal/index.cfm?pageid=3>)

DEC Site ID No.

DEC site identification number.

Section II

Contact Information of Person Submitting Notification

Name

Name of person submitting notification of site change of use, transfer of certificate of completion and/or ownership form.

Address1

Street address or P.O. box number of the person submitting notification.

Address2

City, state and zip code of the person submitting notification.

Phone

Phone number of the person submitting notification.

E-mail

E-mail address of the person submitting notification.

Section III

Type of Change and Date

Check Boxes

Check the appropriate box(s) for the type(s) of change about which you are notifying the Department. Check all that apply.

Proposed Date of Change

Date on which the change in ownership or remedial party, transfer of CoC, or other change is expected to occur.

Section IV

Description

Description

For each change checked in Section III, describe the proposed change.
Provide all applicable maps, drawings, and/or parcel information.
If "Other" is checked in Section III, explain how the change may affect the site's proposed, ongoing, or completed remedial program at the site.
Please attach additional sheets, if needed.

Section V Certification Statement

This section must be filled out if the change of use results in a change of ownership or responsibility for the proposed, ongoing, or completed remedial program for the site. When completed, it provides DEC with a certification that the prospective purchaser has been provided a copy of any order, agreement, or State assistance contract as well as a copy of all approved remedial work plans and reports.

Name	The owner of the site property or their designated representative must sign and date the certification statement. Print owner or designated representative's name on the line provided below the signature.
Address1	Owner or designated representative's street address or P.O. Box number.
Address2	Owner or designated representative's city, state and zip code.
Phone	Owner or designated representative's phone number.
E-Mail	Owner or designated representative's E-mail.

Section VI Contact Information for New Owner, Remedial Party, and CoC Holder (if a CoC was issued)

Fill out this section only if the site is to be sold or there will be a new remedial party. Check the appropriate box to indicate whether the information being provided is for a Prospective Owner, CoC Holder (if site was ever issued a COC), Prospective Remedial Party, or Prospective Owner Representative. Identify the prospective owner or party and include contact information. A Continuation Sheet is provided at the end of this form for additional owner/party information.

Name	Name of Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
Address1	Street address or P.O. Box number for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Address2	City, state and zip code for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Phone	Phone number for the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
E-Mail	E-mail address of the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.

If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/EC), indicate who will be the certifying party(ies). Attach additional sheets, if needed.

Certifying Party

Name Name of Certifying Party.

Address1 Certifying Party's street address or P.O. Box number.

Address2 Certifying Party's city, state and zip code.

Phone Certifying Party's Phone number.

E-Mail Certifying Party's E-mail address.

Section VII Agreement to Notify DEC After Property Transfer/Sale

This section must be filled out for all property transfers of all or part of the site. If the site also has a CoC, then the CoC shall be transferred using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>

Filling out and signing this section of the form indicates you will comply with the post transfer notifications within the required timeframes specified on the form. If a CoC has been issued for the site, the DEC will allow 30 days for the post transfer notification so that the "Notice of CoC Transfer Form" and proof of it's filing can be included. Normally the required post transfer notification must be submitted within 15 day (per 375-1.11(d)(3)(ii)) when no CoC is involved.

Name Current property owner must sign and date the form on the designated lines. Print owner's name on the line provided.

Address1 Current owner's street address.

Address2 Current owner's city, state and zip code.

Attachment to 60-Day Notification for
Building 200 (Formerly Building 320) – La Milpa Food Manufacturing
Proposed Re-occupancy of Existing Cafeteria Space
Former IBM East Fishkill Facility – DEC Site ID No. 314054

Proposed Date for Re-occupancy

The proposed date of re-occupancy indicated on the form is iPark East Fishkill LLC's tentative target date, recognizing that State approval is required before the work activities can begin. Upon approval from the State, iPark East Fishkill, LLC plans to re-energize the existing second-floor kitchen and cafeteria space in Building 200 (Formerly Building 320), including start-up of the ovens and refrigerators. The existing HVAC system will be used and no modifications to the building are required for the planned La Milpa food manufacturing operation.

Please note that this 60-day notification supersedes the Building 200 (former Building 320) notification previously submitted on October 28, 2019 for the food manufacturing/packaging tenant (MacroCafe) proposed to occupy the second-floor kitchen space at that time.

Description of Proposed Re-Occupancy

iPark East Fishkill, LLC proposes to lease 23,200 square feet of space in the existing kitchen and cafeteria area on the second floor of Building 200 (former Building 320) at the iPark 84 site (Former IBM East Fishkill Facility) to La Milpa for food manufacturing operations. The site location and the planned La Milpa space are called out on the attached site figures. La Milpa will perform food manufacturing and packaging. The space will not be open to the public.

No interior modifications are required to ready the space for the tenant. The La Milpa space will use the existing HVAC system. The existing refrigerators and ovens in the kitchen will be re-energized for tenant use.

Discussion of How the Proposed Re-Occupancy Will Not Affect the Remedial Program at the Former IBM East Fishkill Facility

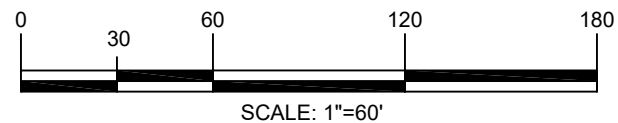
The proposed re-occupancy of this space will not impact the remedial program at the Former IBM East Fishkill Facility. No contamination is associated with Building 200 (former Building 320), thus there is no remediation system in place, as this building has historically been used solely for office purposes, with an ancillary kitchen/cafeteria for employee meal service. In November 2019, one (1) indoor air sample was collected in the second-floor kitchen area to clear the space for the MacroCafe occupancy planned at that time. The sampling results

summarized in a November 19, 2019 letter report submitted to NYSDEC confirmed acceptable indoor air quality in the space.

La Milpa will operate in the existing second-floor kitchen and cafeteria area, and no building modifications or intrusive activities are required to ready the space for the new tenant. Indoor air sampling will be conducted before the tenant takes occupancy, with the re-energized HVAC system operating under normal conditions. The testing results will be evaluated and submitted to NYSDEC and NYSDOH to verify that indoor air quality is acceptable before the tenant takes occupancy.



SITE PLAN
SCALE: 1" = 60'-0"



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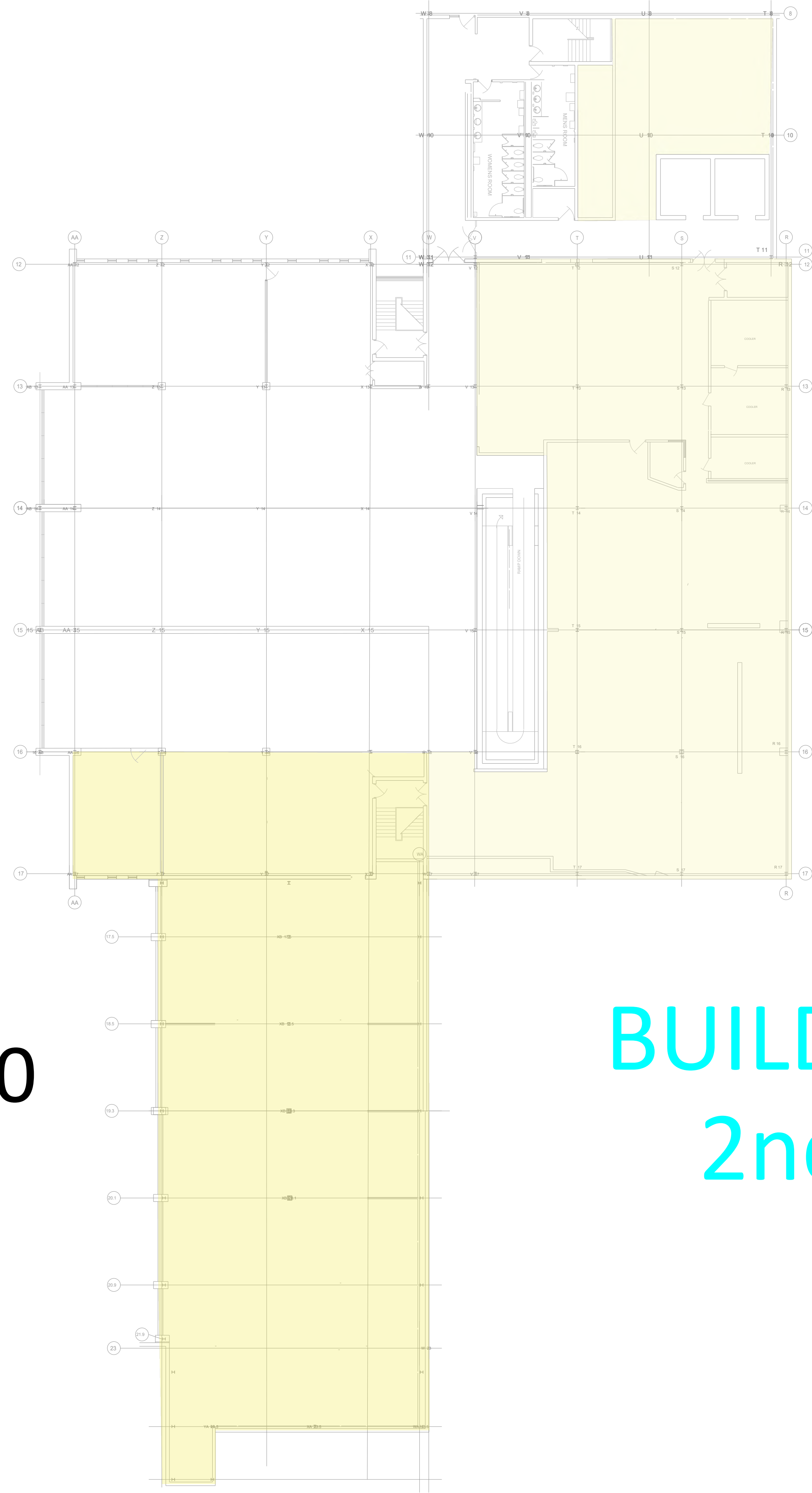
REVISION	
No.	DATE

FOR: BUILDING 200 (FORMER 320) iPark 84 Campus 2070 State Route 52 Hopewell Junction, NY 12533	
DESIGNED BY: NMB	DRAWN BY: EJK
APPROVED BY: JMH	SCALE: AS NOTED

DRAWING TITLE: SITE PLAN BUILDING 200 - LA MILPA SPACE ON SECOND FLOOR		FIGURE NO: 1	ISSUED
JOB NO: IPARK118.39	DATE: 10/28/19	11x17	SHEET NO: 1 OF 1
CAD FILE NAME: Z:\iPark\0118\iPark0118.39 - MacroCafe\B320-2nd Floor-MacroCafe.dwg		REVISION NO: 0	



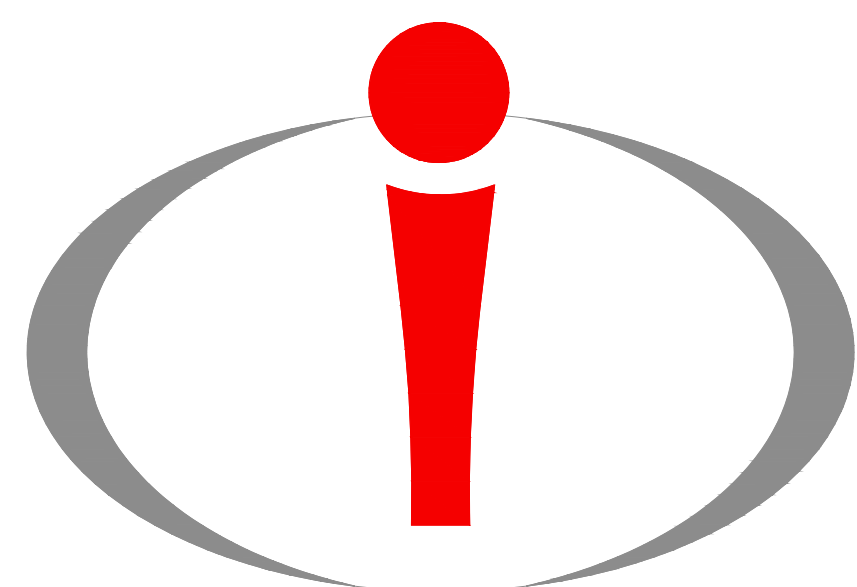
WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 SPRING STREET
OYSTER BAY, NEW YORK 11771
P: (516) 624-7200 F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM



12,000
sqft

11,200
sqft

BUILDING 200
2nd Floor



Ipark 84

LAMILPA

Sheet No.:

01

Issue Date: 10/23/2020

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau D

625 Broadway, 12th Floor, Albany, NY 12233-7013

P: (518) 402-9676 | F: (518) 402-9773

www.dec.ny.gov

April 2, 2021

Joseph Cotter
iPark 84
200 North Drive
Hopewell Junction, NY 12533

Re: B-320 LaMilpa Space Pre-Occupancy Indoor Air Testing Plan
Former IBM East Fishkill
Site #314054
Hopewell Junction

Dear Mr. Cotter:

The New York State Department of Environmental Conservation and Department of Health (Departments) have reviewed the Indoor Air Quality Testing Plan for Building 320, 2nd Floor – LaMilpa tenant space dated February 18, 2021. This proposed sampling will be conducted by Walden Environmental, LLC on behalf of National Resources (NR) once the interior modifications are complete. The proposed sampling locations in the LaMilpa tenant space are acceptable. The Departments request a more specific plan of the HVAC operation, the pressure field extension test from the SSDS in B310 (noting any impacts to this space), previous information, and indoor/soil vapor investigation results from this Building to be included with the results of the Indoor Air Quality testing.

As stated in the Departments' letter dated November 22, 2019, without additional air samples from elsewhere in the building and from the sub-slab soil vapor beneath this building, the Departments are unable to conclude that the results from these proposed locations are representative of other locations and/or floors within the building currently, or of future indoor air conditions within the building. Therefore, the Departments will need additional data to determine whether or not there is a future potential for the indoor air of this building to be impacted as a result of soil vapor intrusion. A soil vapor intrusion investigation in which sub-slab vapor and concurrent indoor air samples are collected is preferred in order to determine if there is a future potential for indoor air to be impacted as a result of soil vapor intrusion. Without that information, at a minimum, periodic indoor air samples from an approved work plan will need to be collected from the lower floors as well as the upper occupied floors to ensure that occupants of the building are not breathing volatile organic compounds in air as a result of the soil vapor intrusion pathway. Once the entire building is occupied, this additional information will be necessary to determine the potential for exposures.



Department of
Environmental
Conservation

If you have any questions, please call me at (518) 402-9821.

Sincerely,

A handwritten signature in cursive script that reads "Jessica La Clair".

Jess LaClair
Project Manager

cc: C. Monheit, NR
V. Dardan, NR
D. Pennessi, NR
L. Ward, NR
G. Marone, GF
E. Lutz, GF
D. Chartrand, IBM
L. Daubert, IBM
S. Edwards, DEC
J. Armitage, DEC
J. Stenerson, DEC
J. Kenney, DOH
M. Schuck, DOH
N. Brew, Walden



Sent via email to jess.laclair@dec.ny.gov

April 6, 2021
iPARK0118.55

Jessica LaClair
Environmental Engineer
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: iPark 84, Former IBM East Fishkill Facility
Building 200 (Formerly Building 320) – La Milpa
Pre-Occupancy Indoor Air Quality Testing Plan

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) has reviewed NYSDEC's April 2, 2021 letter regarding the *Building 200 (Formerly Building 320) – La Milpa Pre-Occupancy Indoor Air Quality Testing Plan* on behalf of the site owner, iPark East Fishkill LLC. The indoor air sampling in the second floor La Milpa space will proceed in accordance with the Plan when the interior modifications are complete; Walden will inform NYSDEC/NYSDOH when the sampling is scheduled. In addition to the indoor air sampling results for the La Milpa space, the IAQ Testing Summary Report will include the following as requested in the April 2 letter:

- Details on HVAC system operation for the B200 (320) La Milpa space
- Findings of the pressure field extension test for the B220 (310) SSDS [including any impacts on the B200 (320) space]
- Any indoor air/sub-slab soil vapor investigation results for B200 (320)

Sampling plans for future spaces to be occupied on the first floor of B200 (320) will include sub-slab vapor sampling concurrent with pre-occupancy indoor air sampling to evaluate the potential for soil vapor intrusion.

Please confirm that the *Building 200 (Formerly Building 320) – La Milpa Pre-Occupancy Indoor Air Quality Testing Plan* is approved and call me if you have any questions.

Ms. Jessica LaClair
B200 (320) La Milpa IAQ Testing Plan
February 18, 2021

- 2 -



Very truly yours,
Walden Environmental Engineering, PLLC

A handwritten signature in cursive script that reads "Nora M. Brew".

Nora M. Brew, P.E.
VP/Senior Project Manager

cc: J. Kenney, NYSDOH
C. Monheit, iPark East Fishkill
D. Vitija, iPark East Fishkill
D. Chartrand, IBM

Z:\iPark0118\iPark0118.55 - Building 200 La Milpa Space\IAQ Work Plan\B200 (Formerly 320) La Milpa IAQ Testing Letter 4.6.21.docx

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau D
625 Broadway, 12th Floor, Albany, NY 12233-7013
P: (518) 402-9676 | F: (518) 402-9773
www.dec.ny.gov

April 7, 2021

Joseph Cotter
iPark 84
200 North Drive
Hopewell Junction, NY 12533

Re: B-320 LaMilpa Space Pre-Occupancy Indoor Air Testing Plan
Former IBM East Fishkill
Site #314054
Hopewell Junction

Dear Mr. Cotter:

The New York State Department of Environmental Conservation and Department of Health (Departments) have reviewed the response dated April 6, 2021 to the Departments' comments sent April 2, 2021. The comments were regarding the Indoor Air Quality (IAQ) Testing Plan for Building 320, 2nd Floor – LaMilpa tenant space. The IAQ Testing Plan for the LaMilpa tenant space dated February 18, 2021 is approved. Please continue to keep the Departments informed as work is planned. If you have any questions, please call me at (518) 402-9821.

Sincerely,



Jess LaClair
Project Manager

cc: C. Monheit, iPark
D. Pennessi, NR
L. Ward, NR
G. Marone, GF
E. Lutz, GF
D. Chartrand, GS
L. Daubert, IBM
S. Edwards, DEC
J. Armitage, DEC
J. Stenerson, DEC
J. Kenney, DOH
M. Schuck, DOH



Department of
Environmental
Conservation

APPENDIX B
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Herri Ann Wright Date/Time Prepared 6/29/21

Preparer's Affiliation Environmental Scientist Phone No. 845-531-7943

Purpose of Investigation Collection of indoor air samples

1. OCCUPANT:

Interviewed: Y/N

Last Name: Montefusco First Name: Shawn

Address: Park East Fishkill 2070 Route 52 Hopewell Junction, NY 12533

County: Dutchess

Home Phone: 845-705-4003 Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ☐)

Interviewed: Y/N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: <u>N/A</u>

If multiple units, how many? N/A

If the property is commercial, type?

Business Type(s) La Milpa Bakery second floor

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? _____

Other characteristics:

Number of floors 1

Building age 1980s

Is the building insulated? Y / (N)

How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

N/A

Airflow near source

moderate

Outdoor air infiltration

N/A

Infiltration into air ducts

N/A

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: full crawlspace slab other N/A
- c. Basement floor: concrete dirt stone other N/A
- d. Basement floor: uncovered covered covered with N/A
- e. Concrete floor: unsealed sealed sealed with _____
- f. Foundation walls: poured block stone other N/A
- g. Foundation walls: unsealed sealed sealed with _____
- h. The basement is: N/A wet damp dry moldy
- i. The basement is: N/A finished unfinished partially finished
- j. Sump present? Y N
- k. Water in sump? Y / N / not applicable

Basement/Lowest level depth below grade: N/A (feet) lowest level on grade

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

N/A

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation Heat pump Hot water baseboard
 Space Heaters Stream radiation Radiant floor
 Electric baseboard Wood stove Outdoor wood boiler Other _____

The primary type of fuel used is:

Natural Gas Fuel Oil Kerosene
Electric Propane Solar
 Wood Coal

Domestic hot water tank fueled by: natural gas

Boiler/furnace located in: Basement Outdoors Main Floor Other top floor

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Recently updated HVAC

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement

1st Floor

iPark, Walden, some OGS Warehouse space

2nd Floor

La Milpa

3rd Floor

4th Floor

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?

Y / N

b. Does the garage have a separate heating unit?

Y / N NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)

Y / N NA

Please specify _____

d. Has the building ever had a fire?

Y / N When? _____

e. Is a kerosene or unvented gas space heater present?

Y / N Where? _____

f. Is there a workshop or hobby/craft area?

Y / N Where & Type? _____

g. Is there smoking in the building?

Y / N How frequently? _____

h. Have cleaning products been used recently?

Y / N When & Type? _____

i. Have cosmetic products been used recently?

Y / N When & Type? _____

- j. Has painting/staining been done in the last 6 months? ☒ Y / ☐ N Where & When? painting
- k. Is there new carpet, drapes or other textiles? Y / ☒ N Where & When? _____
- l. Have air fresheners been used recently? Y / ☒ N When & Type? _____
- m. Is there a kitchen exhaust fan? Y / ☒ N If yes, where vented? _____
- n. Is there a bathroom exhaust fan? Y / ☒ N If yes, where vented? _____
- o. Is there a clothes dryer? Y / ☒ N If yes, is it vented outside? Y / N
- p. Has there been a pesticide application? Y / ☒ N When & Type? _____

Are there odors in the building?

Y / ☒ N

If yes, please describe: _____

Do any of the building occupants use solvents at work?

Y / ☒ N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? N/A

If yes, are their clothes washed at work?

Y / ☒ N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)

Yes, use dry-cleaning infrequently (monthly or less)

Yes, work at a dry-cleaning service

No

Unknown

Is there a radon mitigation system for the building/structure? Y / ☒ N Date of Installation: _____

Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

Global Foundries WWTP

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

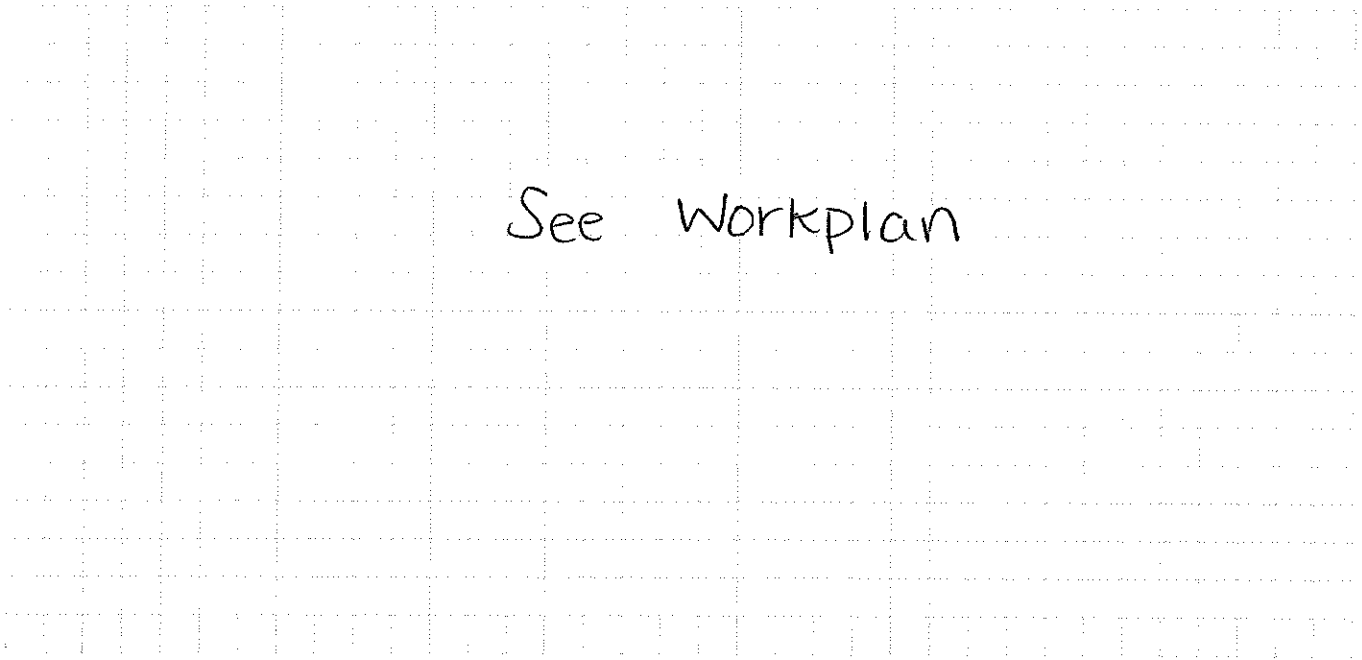
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

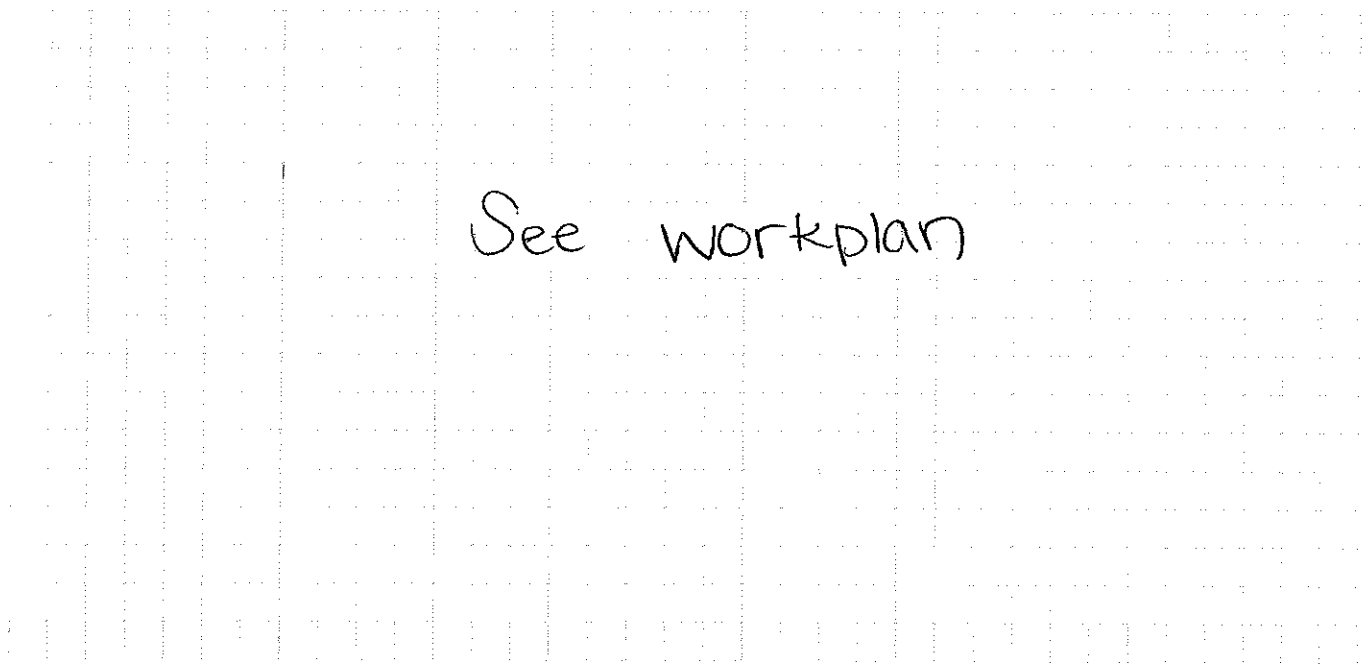
Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



See Workplan

First Floor:



See workplan

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

See workplan

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Mini Rae 3000

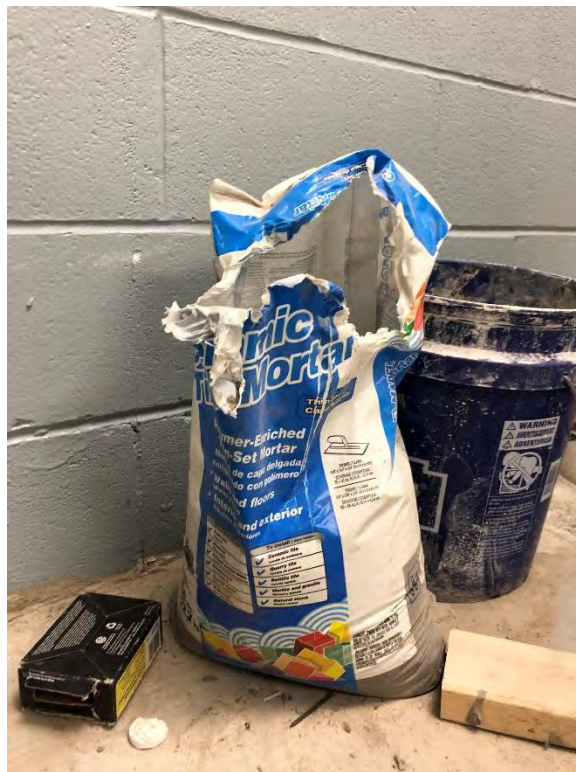
List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y/N
1A-08 area	USG Sheetrock	4.5 gal	U	joint compound	0.0	Y
1A-06 area	Acrylic coating	1 gal	U	VOC	0.0	Y
T-14	Fire extinguisher	15 lb	UO	CO ₂	0.0	Y x2
1A-03 area	Fire extinguisher	2.5 gal	UO	2A - water	0.0	Y
1A-03	Sepic/Drain treatment	64 fl oz	U		0.0	Y
1A-03	Neutral Cleaner	1.32 gal	U	Sulfides	0.0	Y
1A-03	Conveyor Cleaner	5 gal	U		0.0	Y
1A-01	Self Leveler	50 lb	UO		0.0	Y
1A-01	Sanded Grout	10 lb	U		0.0	Y
1A-01	Ceramic Mortar	50 lb	U		0.0	Y
1A-01	Pro Form	4.5 gal	U	joint compound	0.0	Y
1A-01	Self Leveler	50 lb	U		0.0	Y
W-10/1A-02	Acrylic Coating	1 gal	U	VOC	0.0	Y
W-10/1A-02	Level Pro Underlayment	40 lb	U		0.0	Y
W-10/1A-02	Sanded Grout	25 lb	UO	Polymers	0.0	Y
W-10/1A-02	Ceramic Tile Mortar	50 lb	UO	Polymers	0.0	Y
W-10/1A-02	Self Leveler	50 lb	UO		0.0	Y

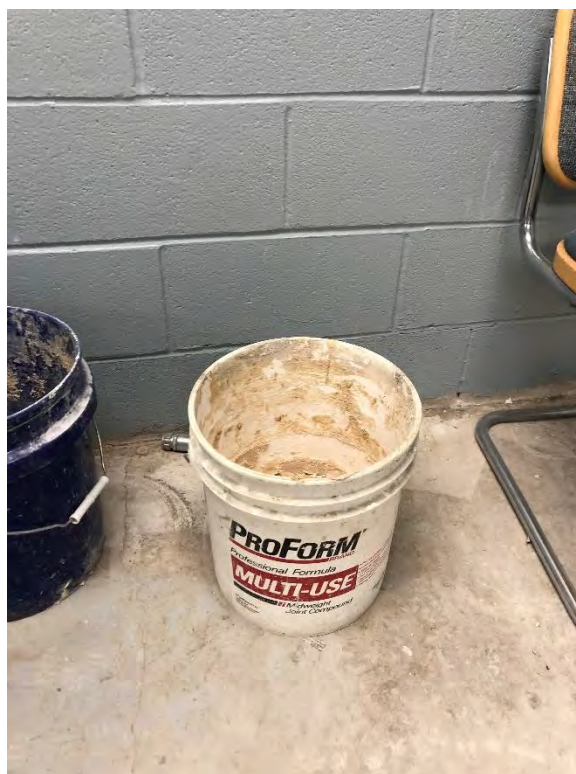
* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Photographs
Building 200 (320) La Milpa Space, June 29, 2021

Photograph 1
Ceramic Mortar – IA-01



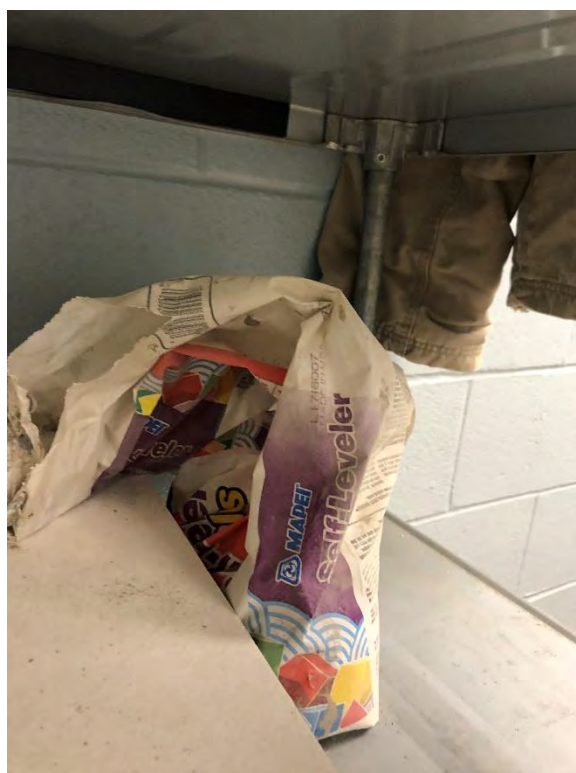
Photograph 2
Pro Form – IA-01



Photograph 3
Sanded Grout – IA-01



Photograph 4
Self-Leveler (Opened)– IA-01



Photograph 5
Self-Leveler (Unopened) – IA-01



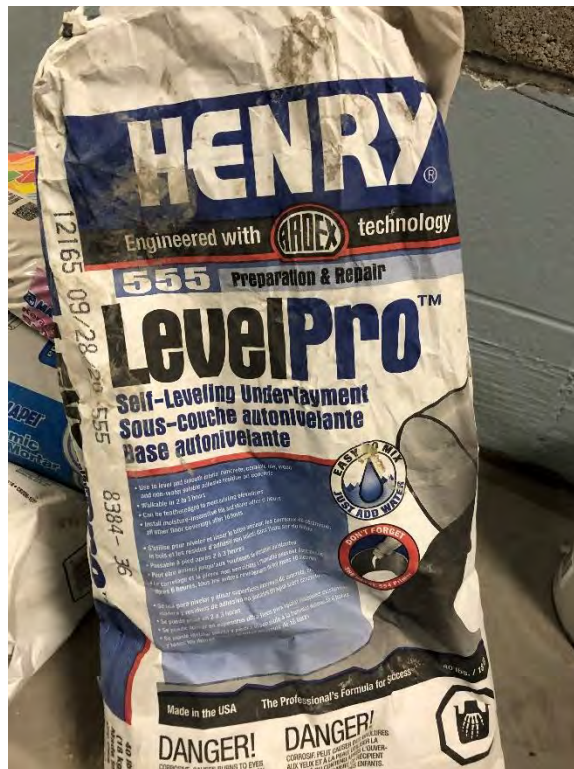
Photograph 6
Acrylic Coating – IA-02



Photograph 7
Ceramic Tile Mortar – IA-02



Photograph 8
Level Pro Underlayment – IA-02



Photograph 9
Sanded Grout – IA-02



Photograph 10
Self-Leveler – IA-02



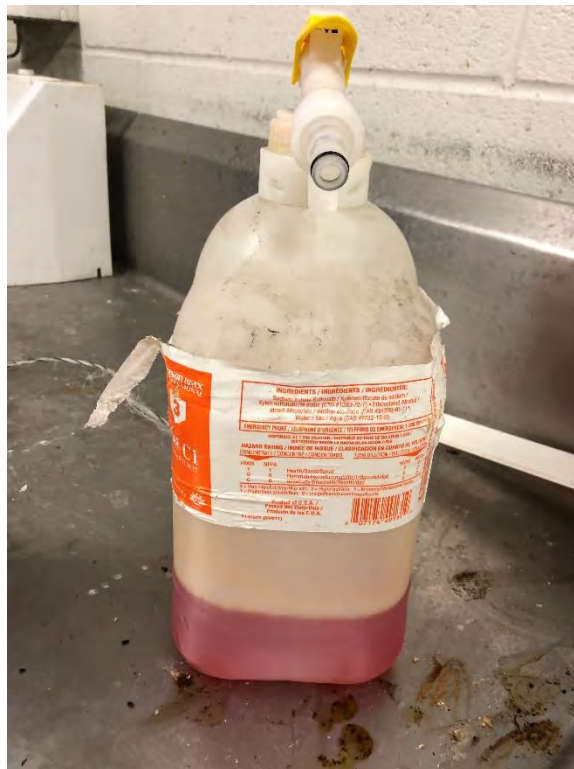
Photograph 11
2A Fire Extinguisher – IA-03



Photograph 12
Conveyor Cleaner – IA-03



Photograph 13
Neutral Cleaner – IA-03



Photograph 14
Septic Drain Treatment – IA-03



Photograph 15
Acrylic Coating – IA-06



Photograph 16
USG Sheetrock – IA-08



Photograph 17
CO2 Fire Extinguisher – Column T-14



APPENDIX C
PHOTOGRAPHIC LOG OF SAMPLING LOCATIONS

Building 200 (320) La Milpa Bakery
Site Photographs – June 29, 2021

Photograph #1



Sample Location IA-01,
Storage Area A

Photograph #2



Sample Location IA-02,
Hallway

Photograph #3



Sample Location IA-03,
Storage Area B

Photograph #4



Sample Location IA-04,
Office

Photograph #5



Sample Location IA-05 and DUP,
Processing Area

Photograph #6



Ambient Air Sample

Photograph #7



Sample Location IA-06,
Storage Area C

Photograph #8



Sample Location IA-07,
Employee Break Room

Photograph #9



Sample Location IA-08,
Storage Area D

APPENDIX D
LABORATORY ANALYTICAL REPORT
(CATEGORY B DELIVERABLES)



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

Walden Environmental Engineering PLLC
IPARK0118.55 LAMILPA

GCI65769

Ver 1

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Friday, July 09, 2021

Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Project ID: IPARK0118.55 LAMILPA
SDG ID: GCI65769
Sample ID#s: CI65769 - CI65779

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.

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.

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
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Walden Environmental Engineering PLLC
Project: IPARK0118.55 LAMILPA
Laboratory Project: GCI65769



Environmental Laboratories, Inc.
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NY Analytical Services Protocol Format

July 09, 2021

SDG I.D.: GCI65769

Walden Environmental Engineering PLLC IPARK0118.55 LAMILPA

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.



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NY Analytical Services Protocol Format

July 09, 2021

SDG I.D.: GCI65769

Walden Environmental Engineering PLLC IPARK0118.55 LAMILPA

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CI65769	Volatiles (TO15)	06/29/21	06/30/21	06/30/21	KCA	Y
CI65770	Volatiles (TO15)	06/29/21	06/30/21	06/30/21	KCA	Y
CI65771	Volatiles (TO15)	06/29/21	06/30/21	06/30/21	KCA	Y
CI65772	Volatiles (TO15)	06/29/21	06/30/21	06/30/21	KCA	Y
CI65773	Volatiles (TO15)	06/29/21	06/30/21	06/30/21	KCA	Y
CI65774	Volatiles (TO15)	06/29/21	07/01/21	07/01/21	KCA	Y
CI65775	Volatiles (TO15)	06/29/21	07/01/21	07/01/21	KCA	Y
CI65776	Volatiles (TO15)	06/29/21	07/01/21	07/01/21	KCA	Y
CI65777	Volatiles (TO15)	06/29/21	07/01/21	07/01/21	KCA	Y
CI65778	Volatiles (TO15)	06/29/21	07/01/21	07/01/21	KCA	Y
CI65779	Volatiles (TO15)	06/29/21	07/01/21	07/01/21	KCA	Y



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SDG Comments

July 09, 2021

SDG I.D.: GCI65769

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.
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Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

July 09, 2021

SDG I.D.: GCI65769

Project ID: IPARK0118.55 LAMILPA

Client Id	Lab Id	Matrix
IA-08	CI65769	AIR
IA-01	CI65770	AIR
IA-DUP	CI65771	AIR
IA-03	CI65772	AIR
IA-06	CI65773	AIR
AA-01	CI65774	AIR
IA-02	CI65775	AIR
IA-04	CI65776	AIR
FIELD BLANK	CI65777	AIR
IA-05	CI65778	AIR
IA-07	CI65779	AIR



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

July 09, 2021

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#: 0118.55
Canister Id: 28557

Custody Information

Collected by: KAW
Received by: SW
Analyzed by: see "By" below

Date

06/29/21 16:18
06/30/21 17:21

Time

Laboratory Data

SDG ID: GCI65769
Phoenix ID: CI65769

Project ID: IPARK0118.55 LAMILPA
Client ID: IA-08

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-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	06/30/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	06/30/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	06/30/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
Acetone	15.3	1.00	1.00	36.3	2.37	2.37	06/30/21	KCA	1
Benzene	0.056	0.050	0.050	0.18	0.16	0.16	06/30/21	KCA	1
Carbon Tetrachloride	0.064	0.020	0.020	0.40	0.13	0.13	06/30/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	06/30/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	06/30/21	KCA	1
Dichlorodifluoromethane	0.579	0.200	0.200	2.86	0.99	0.99	06/30/21	KCA	1
Ethylbenzene	0.261	0.150	0.150	1.13	0.65	0.65	06/30/21	KCA	1
m,p-Xylene	1.23	0.150	0.150	5.34	0.65	0.65	06/30/21	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	06/30/21	KCA	1
o-Xylene	0.337	0.150	0.150	1.46	0.65	0.65	06/30/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	06/30/21	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	06/30/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/30/21	KCA	1
Trichlorofluoromethane	0.895	0.150	0.150	5.03	0.84	0.84	06/30/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	06/30/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	06/30/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	100	%	%	100	%	%	06/30/21	KCA	1
% IS-1,4-Difluorobenzene	94	%	%	94	%	%	06/30/21	KCA	1
% IS-Bromochloromethane	95	%	%	95	%	%	06/30/21	KCA	1

Client ID: IA-08

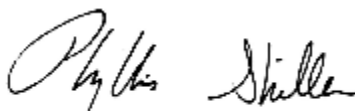
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	94	%	%	94	%	%	06/30/21	KCA	1

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

July 09, 2021

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



Analysis Report

July 09, 2021

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#: 0118.55
Canister Id: 369

Custody Information

Collected by: KAW
Received by: SW
Analyzed by: see "By" below

Date

06/29/21 15:46
06/30/21 17:21

Time

Laboratory Data

SDG ID: GCI65769
Phoenix ID: CI65770

Project ID: IPARK0118.55 LAMILPA
Client ID: IA-01

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-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	06/30/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	06/30/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	06/30/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
Acetone	8.30	1.00	1.00	19.7	2.37	2.37	06/30/21	KCA	1
Benzene	0.054	0.050	0.050	0.17	0.16	0.16	06/30/21	KCA	1
Carbon Tetrachloride	0.064	0.020	0.020	0.40	0.13	0.13	06/30/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	06/30/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	06/30/21	KCA	1
Dichlorodifluoromethane	0.579	0.200	0.200	2.86	0.99	0.99	06/30/21	KCA	1
Ethylbenzene	0.346	0.150	0.150	1.50	0.65	0.65	06/30/21	KCA	1
m,p-Xylene	1.67	0.150	0.150	7.25	0.65	0.65	06/30/21	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	06/30/21	KCA	1
o-Xylene	0.447	0.150	0.150	1.94	0.65	0.65	06/30/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	06/30/21	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	06/30/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/30/21	KCA	1
Trichlorofluoromethane	0.777	0.150	0.150	4.36	0.84	0.84	06/30/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	06/30/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	06/30/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	100	%	%	100	%	%	06/30/21	KCA	1
% IS-1,4-Difluorobenzene	94	%	%	94	%	%	06/30/21	KCA	1
% IS-Bromochloromethane	96	%	%	96	%	%	06/30/21	KCA	1

Client ID: IA-01

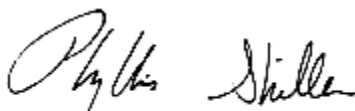
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	95	%	%	95	%	%	06/30/21	KCA	1

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:

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Phyllis Shiller, Laboratory Director

July 09, 2021

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



Analysis Report

July 09, 2021

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#: 0118.55
Canister Id: 494

Custody Information

Collected by: KAW
Received by: SW
Analyzed by: see "By" below

Date

06/29/21 15:22
06/30/21 17:21

Time

Laboratory Data

SDG ID: GCI65769
Phoenix ID: CI65771

Project ID: IPARK0118.55 LAMILPA
Client ID: IA-DUP

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-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	06/30/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	06/30/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	06/30/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
Acetone	8.09	1.00	1.00	19.2	2.37	2.37	06/30/21	KCA	1
Benzene	0.054	0.050	0.050	0.17	0.16	0.16	06/30/21	KCA	1
Carbon Tetrachloride	0.065	0.020	0.020	0.41	0.13	0.13	06/30/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	06/30/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	06/30/21	KCA	1
Dichlorodifluoromethane	0.658	0.200	0.200	3.25	0.99	0.99	06/30/21	KCA	1
Ethylbenzene	0.297	0.150	0.150	1.29	0.65	0.65	06/30/21	KCA	1
m,p-Xylene	1.38	0.150	0.150	5.99	0.65	0.65	06/30/21	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	06/30/21	KCA	1
o-Xylene	0.373	0.150	0.150	1.62	0.65	0.65	06/30/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	06/30/21	KCA	1
Toluene	0.200	0.200	0.200	0.75	0.75	0.75	06/30/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/30/21	KCA	1
Trichlorofluoromethane	0.827	0.150	0.150	4.64	0.84	0.84	06/30/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	06/30/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	06/30/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	97	%	%	97	%	%	06/30/21	KCA	1
% IS-1,4-Difluorobenzene	96	%	%	96	%	%	06/30/21	KCA	1
% IS-Bromochloromethane	97	%	%	97	%	%	06/30/21	KCA	1

Client ID: IA-DUP

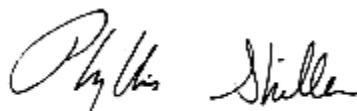
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	96	%	%	96	%	%	06/30/21	KCA	1

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:

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Phyllis Shiller, Laboratory Director

July 09, 2021

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



Analysis Report

July 09, 2021

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#: 0118.55
Canister Id: 480

Custody Information

Collected by: KAW
Received by: SW
Analyzed by: see "By" below

Date

06/29/21 15:44
06/30/21 17:21

Time

Laboratory Data

SDG ID: GCI65769
Phoenix ID: CI65772

Project ID: IPARK0118.55 LAMILPA
Client ID: IA-03

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	06/30/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	06/30/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	06/30/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
Acetone	8.04	1.00	1.00	19.1	2.37	2.37	06/30/21	KCA	1
Benzene	0.054	0.050	0.050	0.17	0.16	0.16	06/30/21	KCA	1
Carbon Tetrachloride	0.065	0.020	0.020	0.41	0.13	0.13	06/30/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	06/30/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	06/30/21	KCA	1
Dichlorodifluoromethane	0.607	0.200	0.200	3.00	0.99	0.99	06/30/21	KCA	1
Ethylbenzene	0.278	0.150	0.150	1.21	0.65	0.65	06/30/21	KCA	1
m,p-Xylene	1.29	0.150	0.150	5.60	0.65	0.65	06/30/21	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	06/30/21	KCA	1
o-Xylene	0.348	0.150	0.150	1.51	0.65	0.65	06/30/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	06/30/21	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	06/30/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/30/21	KCA	1
Trichlorofluoromethane	0.802	0.150	0.150	4.50	0.84	0.84	06/30/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	06/30/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	06/30/21	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	98	%	%	98	%	%	06/30/21	KCA	1
% IS-1,4-Difluorobenzene	94	%	%	94	%	%	06/30/21	KCA	1
% IS-Bromochloromethane	95	%	%	95	%	%	06/30/21	KCA	1

Client ID: IA-03

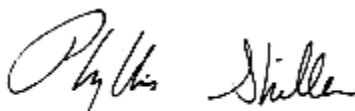
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	95	%	%	95	%	%	06/30/21	KCA	1

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:

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Phyllis Shiller, Laboratory Director

July 09, 2021

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



Analysis Report

July 09, 2021

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#: 0118.55
Canister Id: 12858

Custody Information

Collected by: KAW
Received by: SW
Analyzed by: see "By" below

Date

06/29/21 15:59
06/30/21 17:21

Time

Laboratory Data

SDG ID: GCI65769
Phoenix ID: CI65773

Project ID: IPARK0118.55 LAMILPA
Client ID: IA-06

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	06/30/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	06/30/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	06/30/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	06/30/21	KCA	1
Acetone	8.15	1.00	1.00	19.3	2.37	2.37	06/30/21	KCA	1
Benzene	0.053	0.050	0.050	0.17	0.16	0.16	06/30/21	KCA	1
Carbon Tetrachloride	0.067	0.020	0.020	0.42	0.13	0.13	06/30/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	06/30/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	06/30/21	KCA	1
Dichlorodifluoromethane	0.560	0.200	0.200	2.77	0.99	0.99	06/30/21	KCA	1
Ethylbenzene	0.293	0.150	0.150	1.27	0.65	0.65	06/30/21	KCA	1
m,p-Xylene	1.42	0.150	0.150	6.16	0.65	0.65	06/30/21	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	06/30/21	KCA	1
o-Xylene	0.376	0.150	0.150	1.63	0.65	0.65	06/30/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	06/30/21	KCA	1
Toluene	0.200	0.200	0.200	0.75	0.75	0.75	06/30/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/30/21	KCA	1
Trichlorofluoromethane	0.803	0.150	0.150	4.51	0.84	0.84	06/30/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	06/30/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	06/30/21	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	%	%	100	%	%	06/30/21	KCA	1
% IS-1,4-Difluorobenzene	94	%	%	94	%	%	06/30/21	KCA	1
% IS-Bromochloromethane	95	%	%	95	%	%	06/30/21	KCA	1

Client ID: IA-06

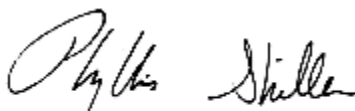
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	94	%	%	94	%	%	06/30/21	KCA	1

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:

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Phyllis Shiller, Laboratory Director

July 09, 2021

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



Analysis Report

July 09, 2021

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#: 0118.55
Canister Id: 21357

Custody Information

Collected by: KAW
Received by: SW
Analyzed by: see "By" below

Date

06/29/21 16:47
06/30/21 17:21

Time

Laboratory Data

SDG ID: GCI65769
Phoenix ID: CI65774

Project ID: IPARK0118.55 LAMILPA
Client ID: AA-01

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	07/01/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	07/01/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	07/01/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
Acetone	5.68	1.00	1.00	13.5	2.37	2.37	07/01/21	KCA	1
Benzene	ND	0.050	0.050	ND	0.16	0.16	07/01/21	KCA	1
Carbon Tetrachloride	0.061	0.020	0.020	0.38	0.13	0.13	07/01/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	07/01/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	07/01/21	KCA	1
Dichlorodifluoromethane	0.425	0.200	0.200	2.10	0.99	0.99	07/01/21	KCA	1
Ethylbenzene	0.234	0.150	0.150	1.02	0.65	0.65	07/01/21	KCA	1
m,p-Xylene	1.10	0.150	0.150	4.77	0.65	0.65	07/01/21	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	07/01/21	KCA	1
o-Xylene	0.289	0.150	0.150	1.25	0.65	0.65	07/01/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	07/01/21	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	07/01/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	07/01/21	KCA	1
Trichlorofluoromethane	0.289	0.150	0.150	1.62	0.84	0.84	07/01/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	07/01/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	07/01/21	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	98	%	%	98	%	%	07/01/21	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	07/01/21	KCA	1
% IS-Bromochloromethane	95	%	%	95	%	%	07/01/21	KCA	1

Client ID: AA-01

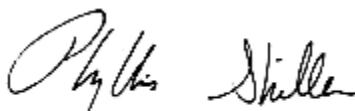
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	94	%	%	94	%	%	07/01/21	KCA	1

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:

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Phyllis Shiller, Laboratory Director

July 09, 2021

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



Analysis Report

July 09, 2021

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#: 0118.55
Canister Id: 23330

Custody Information

Collected by: KAW
Received by: SW
Analyzed by: see "By" below

Date

06/29/21 15:47
06/30/21 17:21

Time

Laboratory Data

SDG ID: GCI65769
Phoenix ID: CI65775

Project ID: IPARK0118.55 LAMILPA
Client ID: IA-02

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	07/01/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	07/01/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	07/01/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
Acetone	7.86	1.00	1.00	18.7	2.37	2.37	07/01/21	KCA	1
Benzene	0.054	0.050	0.050	0.17	0.16	0.16	07/01/21	KCA	1
Carbon Tetrachloride	0.066	0.020	0.020	0.41	0.13	0.13	07/01/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	07/01/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	07/01/21	KCA	1
Dichlorodifluoromethane	0.629	0.200	0.200	3.11	0.99	0.99	07/01/21	KCA	1
Ethylbenzene	0.287	0.150	0.150	1.25	0.65	0.65	07/01/21	KCA	1
m,p-Xylene	1.33	0.150	0.150	5.77	0.65	0.65	07/01/21	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	07/01/21	KCA	1
o-Xylene	0.365	0.150	0.150	1.58	0.65	0.65	07/01/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	07/01/21	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	07/01/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	07/01/21	KCA	1
Trichlorofluoromethane	0.811	0.150	0.150	4.55	0.84	0.84	07/01/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	07/01/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	07/01/21	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	%	%	100	%	%	07/01/21	KCA	1
% IS-1,4-Difluorobenzene	94	%	%	94	%	%	07/01/21	KCA	1
% IS-Bromochloromethane	95	%	%	95	%	%	07/01/21	KCA	1

Client ID: IA-02

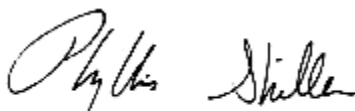
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	93	%	%	93	%	%	07/01/21	KCA	1

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:

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Phyllis Shiller, Laboratory Director

July 09, 2021

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



Analysis Report

July 09, 2021

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#: 0118.55
Canister Id: 23335

Custody Information

Collected by: KAW
Received by: SW
Analyzed by: see "By" below

Date

06/29/21 14:25
06/30/21 17:21

Time

Laboratory Data

SDG ID: GCI65769
Phoenix ID: CI65776

Project ID: IPARK0118.55 LAMILPA
Client ID: IA-04

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-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	07/01/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	07/01/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	07/01/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
Acetone	8.03	1.00	1.00	19.1	2.37	2.37	07/01/21	KCA	1
Benzene	0.056	0.050	0.050	0.18	0.16	0.16	07/01/21	KCA	1
Carbon Tetrachloride	0.065	0.020	0.020	0.41	0.13	0.13	07/01/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	07/01/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	07/01/21	KCA	1
Dichlorodifluoromethane	0.646	0.200	0.200	3.19	0.99	0.99	07/01/21	KCA	1
Ethylbenzene	0.337	0.150	0.150	1.46	0.65	0.65	07/01/21	KCA	1
m,p-Xylene	1.56	0.150	0.150	6.77	0.65	0.65	07/01/21	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	07/01/21	KCA	1
o-Xylene	0.422	0.150	0.150	1.83	0.65	0.65	07/01/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	07/01/21	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	07/01/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	07/01/21	KCA	1
Trichlorofluoromethane	0.782	0.150	0.150	4.39	0.84	0.84	07/01/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	07/01/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	07/01/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	98	%	%	98	%	%	07/01/21	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	07/01/21	KCA	1
% IS-Bromochloromethane	95	%	%	95	%	%	07/01/21	KCA	1

Client ID: IA-04

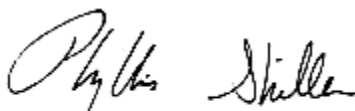
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	95	%	%	95	%	%	07/01/21	KCA	1

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

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Phyllis Shiller, Laboratory Director

July 09, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

July 09, 2021

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#: 0118.55
Canister Id: 28587

Custody Information

Collected by: KAW
Received by: SW
Analyzed by: see "By" below

Date

06/29/21 8:59
06/30/21 17:21

Time

Laboratory Data

SDG ID: GCI65769
Phoenix ID: CI65777

Project ID: IPARK0118.55 LAMILPA
Client ID: FIELD BLANK

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-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	07/01/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	07/01/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	07/01/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
Acetone	3.15	1.00	1.00	7.48	2.37	2.37	07/01/21	KCA	1
Benzene	2.20	0.050	0.050	7.02	0.16	0.16	07/01/21	KCA	1
Carbon Tetrachloride	0.038	0.020	0.020	0.24	0.13	0.13	07/01/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	07/01/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	07/01/21	KCA	1
Dichlorodifluoromethane	ND	0.200	0.200	ND	0.99	0.99	07/01/21	KCA	1
Ethylbenzene	0.217	0.150	0.150	0.94	0.65	0.65	07/01/21	KCA	1
m,p-Xylene	1.06	0.150	0.150	4.60	0.65	0.65	07/01/21	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	07/01/21	KCA	1
o-Xylene	0.663	0.150	0.150	2.88	0.65	0.65	07/01/21	KCA	1
Tetrachloroethene	0.153	0.100	0.100	1.04	0.68	0.68	07/01/21	KCA	1
Toluene	0.857	0.200	0.200	3.23	0.75	0.75	07/01/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	07/01/21	KCA	1
Trichlorofluoromethane	ND	0.150	0.150	ND	0.84	0.84	07/01/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	07/01/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	07/01/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	83	%	%	83	%	%	07/01/21	KCA	1
% IS-1,4-Difluorobenzene	95	%	%	95	%	%	07/01/21	KCA	1
% IS-Bromochloromethane	98	%	%	98	%	%	07/01/21	KCA	1

Client ID: FIELD BLANK

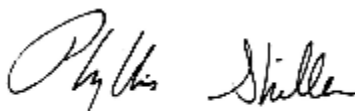
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	100	%	%	100	%	%	07/01/21	KCA	1

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

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Phyllis Shiller, Laboratory Director

July 09, 2021

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



Analysis Report

July 09, 2021

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#: 0118.55
Canister Id: 23338

Custody Information

Collected by: KAW
Received by: SW
Analyzed by: see "By" below

Date

06/29/21 15:12
06/30/21 17:21

Time

Laboratory Data

SDG ID: GCI65769
Phoenix ID: CI65778

Project ID: IPARK0118.55 LAMILPA
Client ID: IA-05

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-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	07/01/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	07/01/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	07/01/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
Acetone	8.08	1.00	1.00	19.2	2.37	2.37	07/01/21	KCA	1
Benzene	0.056	0.050	0.050	0.18	0.16	0.16	07/01/21	KCA	1
Carbon Tetrachloride	0.067	0.020	0.020	0.42	0.13	0.13	07/01/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	07/01/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	07/01/21	KCA	1
Dichlorodifluoromethane	0.674	0.200	0.200	3.33	0.99	0.99	07/01/21	KCA	1
Ethylbenzene	0.298	0.150	0.150	1.29	0.65	0.65	07/01/21	KCA	1
m,p-Xylene	1.39	0.150	0.150	6.03	0.65	0.65	07/01/21	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	07/01/21	KCA	1
o-Xylene	0.367	0.150	0.150	1.59	0.65	0.65	07/01/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	07/01/21	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	07/01/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	07/01/21	KCA	1
Trichlorofluoromethane	0.847	0.150	0.150	4.76	0.84	0.84	07/01/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	07/01/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	07/01/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	100	%	%	100	%	%	07/01/21	KCA	1
% IS-1,4-Difluorobenzene	95	%	%	95	%	%	07/01/21	KCA	1
% IS-Bromochloromethane	96	%	%	96	%	%	07/01/21	KCA	1

Client ID: IA-05

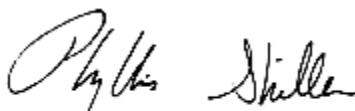
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	94	%	%	94	%	%	07/01/21	KCA	1

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

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Phyllis Shiller, Laboratory Director

July 09, 2021

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



Analysis Report

July 09, 2021

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#: 0118.55
Canister Id: 28577

Custody Information

Collected by: KAW
Received by: SW
Analyzed by: see "By" below

Date

06/29/21 15:42
06/30/21 17:21

Time

Laboratory Data

SDG ID: GCI65769
Phoenix ID: CI65779

Project ID: IPARK0118.55 LAMILPA
Client ID: IA-07

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-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	07/01/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	07/01/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	07/01/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	07/01/21	KCA	1
Acetone	14.2	1.00	1.00	33.7	2.37	2.37	07/01/21	KCA	1
Benzene	0.092	0.050	0.050	0.29	0.16	0.16	07/01/21	KCA	1
Carbon Tetrachloride	0.119	0.020	0.020	0.75	0.13	0.13	07/01/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	07/01/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	07/01/21	KCA	1
Dichlorodifluoromethane	0.737	0.200	0.200	3.64	0.99	0.99	07/01/21	KCA	1
Ethylbenzene	0.540	0.150	0.150	2.34	0.65	0.65	07/01/21	KCA	1
m,p-Xylene	2.52	0.150	0.150	10.9	0.65	0.65	07/01/21	KCA	1
Methylene Chloride	0.688	0.400	0.400	2.39	1.39	1.39	07/01/21	KCA	1
o-Xylene	0.675	0.150	0.150	2.93	0.65	0.65	07/01/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	07/01/21	KCA	1
Toluene	0.327	0.200	0.200	1.23	0.75	0.75	07/01/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	07/01/21	KCA	1
Trichlorofluoromethane	1.37	0.150	0.150	7.69	0.84	0.84	07/01/21	KCA	1
Trichlorotrifluoroethane	0.190	0.150	0.150	1.46	1.15	1.15	07/01/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	07/01/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	101	%	%	101	%	%	07/01/21	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	07/01/21	KCA	1
% IS-Bromochloromethane	93	%	%	93	%	%	07/01/21	KCA	1

Client ID: IA-07

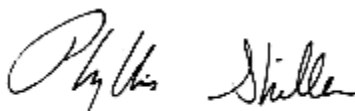
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	92	%	%	92	%	%	07/01/21	KCA	1

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

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Phyllis Shiller, Laboratory Director

July 09, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Canister Sampling Information

July 09, 2021

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Location Code: WALDENE-IPARK

SDG I.D.: GCI65769

Project ID: IPARK0118.55 LAMILPA

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
IA-08	CI65769	28557	6.0L	5030	06/07/21	-30	-8	10.8	11.2	3.6	-30	-9	06/29/21 09:12	06/29/21 16:18
IA-01	CI65770	369	6.0L	5659	06/07/21	-30	-7	10.8	11	1.8	-30	-8	06/29/21 08:36	06/29/21 15:46
IA-DUP	CI65771	494	6.0L	7008	06/07/21	-30	-9	10.8	11	1.8	-30	-9	06/29/21 08:44	06/29/21 15:22
IA-03	CI65772	480	6.0L	5040	06/07/21	-30	-9	10.8	10.9	0.9	-30	-9	06/29/21 08:48	06/29/21 15:44
IA-06	CI65773	12858	6.0L	7020	06/07/21	-30	-8	10.8	11	1.8	-30	-9	06/29/21 09:09	06/29/21 15:59
AA-01	CI65774	21357	6.0L	5238	06/07/21	-30	-13	10.8	7.5	36.1	-29	-10	06/29/21 08:31	06/29/21 16:47
IA-02	CI65775	23330	6.0L	6997	06/07/21	-30	-6	10.8	11.1	2.7	-30	-8	06/29/21 08:28	06/29/21 15:47
IA-04	CI65776	23335	6.0L	5518	06/07/21	-30	-9	10.8	12.4	13.8	-29	-8	06/29/21 08:39	06/29/21 14:25
FIELD BLANK	CI65777	28587	6.0L	5350	06/07/21	-30	-8	10.8	11	1.8	-30	-9	06/29/21 08:12	06/29/21 08:59
IA-05	CI65778	23338	6.0L	5043	06/07/21	-30	-9	10.8	11.6	7.1	-30	-9	06/29/21 08:46	06/29/21 15:12
IA-07	CI65779	28577	6.0L	5402	06/07/21	-30	-9	10.8	10.1	6.7	-30	-9	06/29/21 09:05	06/29/21 15:42



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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QA/QC Report

July 09, 2021

QA/QC Data

SDG I.D.: GCI65769

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

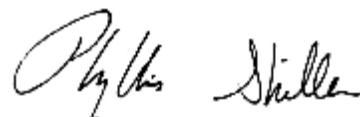
QA/QC Batch 581865 (ppbv), QC Sample No: CI65778 (CI65769, CI65770, CI65771, CI65772, CI65773, CI65774, CI65775, CI65776, CI65777, CI65778, CI65779)

Volatiles

1,1,1-Trichloroethane	ND	0.200	ND	1.09	101	102	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	104	105	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.250	ND	1.85	114	111	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.150	ND	0.90	104	104	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.150	ND	0.90	102	105	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.150	ND	0.90	105	108	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	1.00	ND	2.37	103	103	19.2	19.1	8.08	8.05	0.4	70 - 130	25
Benzene	ND	0.050	ND	0.16	105	106	0.18	0.18	0.056	0.055	NC	70 - 130	25
Carbon Tetrachloride	ND	0.020	ND	0.13	101	102	0.42	0.40	0.067	0.064	NC	70 - 130	25
Chlorobenzene	ND	0.200	ND	0.92	101	101	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	112	113	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	101	104	3.33	3.30	0.674	0.667	NC	70 - 130	25
Ethylbenzene	ND	0.150	ND	0.65	105	108	1.29	1.26	0.298	0.290	NC	70 - 130	25
m,p-Xylene	ND	0.150	ND	0.65	112	113	6.03	5.99	1.39	1.38	0.7	70 - 130	25
Methylene Chloride	ND	0.400	ND	1.39	99	100	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.150	ND	0.65	112	117	1.59	1.65	0.367	0.380	NC	70 - 130	25
Tetrachloroethene	ND	0.100	ND	0.68	103	103	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.200	ND	0.75	108	110	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	104	105	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.150	ND	0.84	101	102	4.76	4.74	0.847	0.844	0.4	70 - 130	25
Trichlorotrifluoroethane	ND	0.150	ND	1.15	100	101	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.020	ND	0.05	105	105	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	97	%	97	%	101	101	100	98	100	98	NC	70 - 130	25
% IS-1,4-Difluorobenzene	98	%	98	%	102	102	95	93	95	93	NC	60 - 140	25
% IS-Bromochloromethane	99	%	99	%	101	100	96	96	96	96	NC	60 - 140	25
% IS-Chlorobenzene-d5	98	%	98	%	103	101	94	94	94	94	NC	60 - 140	25

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


Phyllis Shiller, Laboratory Director
July 09, 2021

Sample Criteria Exceedances Report

Criteria: None

State: NY

GCI65769 - WALDENE-IPARK

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



387 East Middle Turnpike, P.O. Box 370, Middletown, CT 06460
Telephone 860.645.1102 • Fax 860.645.0823

CHAIN OF CUSTODY RECORD AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. # 0118.55

Page 1 of 2

Data Delivery:

☐ Fax to:

☒ Email: norew@walden-associates.com

☐ Phone to:

Project Name: 1 Park 0118.55 La Milpa

Invoice to: Carl Monheit - Park

Address: 485 West Putnam Ave, Greenwich, CT 06830

Sampled by: KAW

Report to: Nore Drew

Customer: Walden Environmental

Address: 16 Spring Street

Oyster Bay, NY 11771

Quote Number: 1 Park 0118.55

Requested Deliverable: RCP

MCP

NJ Deliverables

Other: PDF

Canister Pressure at Start ("Hg)

Canister Pressure at End ("Hg)

Sample Start Date

Sampling End Time

Sampling Start Time

Flow Controller Setting (mL/min)

Flow Regulator ID #

Incoming Canister Pressure ("Hg)

Outgoing Canister Pressure ("Hg)

Canister Size (L)

Canister ID #

Client Sample ID

Phoenix ID #

TO-15

Grab (G) Composite (C)

Ambient/Indoor Air

Matrix

Analyses

APH

Relinquished by: Kaw

Accepted by: Kaw

Date: Jun 8, 2021

Time: 13:45

Signature: [Signature]

Date: 6-30-21

Signature: [Signature]

Date: 6-30-21

Signature: [Signature]

Date: 6-30-21

Signature: [Signature]

Date: 6-30-21

Signature: [Signature]

Date: 6-30-21

Signature: [Signature]

Date: 6-30-21

Signature: [Signature]

Date: 6-30-21

Signature: [Signature]

Date: 6-30-21

Signature: [Signature]

Date: 6-30-21

Signature: [Signature]

Date: 6-30-21



CHAIN OF CUSTODY RECORD

AIR ANALYSES

P.O. # 0118.55

Page 2 of 2

Data Delivery:

☐ Fax #:

☒ Email: nbrew@uniden-associates.com

☐ Phone #:

800-827-5426

email: greg@phoenixlabs.com

Report to: <u>Nora Brew</u>	Project Name: <u>11 Park 0118.55 La Milpa</u>	Data Format: (Circle) <u>Excel</u> Other: <u>PDF</u>
Customer: <u>Walden Environmental</u>	Invoice to: <u>Carl Monheit - Park</u>	Requested Deliverable: <u>ASP CAT B</u>
Address: <u>16 Spring Street</u>	<u>485 W. Putnam Ave Greenwich, CT</u>	MCP NJ Deliverables
<u>Cyster Bay, NY 11771</u>	Sampled by: <u>KAW</u>	Quote Number: <u>11 Park 0118.55</u>

Phoenix ID #	Client Sample ID	THIS SECTION FOR LAB USE ONLY					Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	MATRIX			TO-15	APH
		Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)					Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)		
05778	IA-05	23338	6.0	-30	-9	5043	10.8	8:43	15:12	6/29	-30	-9	X	G	X	
05779	IA-07	28603	↓	↓	↓	6998	↓	9:05	15:42	6/29	-30	-9	X	G	X	
		28577	↓	↓	-9	5402	↓									
	13 GL IND ; 8hr															
	w/IND Cert Regs															

Relinquished by: <u>[Signature]</u>	Accepted by: <u>[Signature]</u>	Date: <u>6-30-01</u>	Time: <u>13:45</u>	I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document.			
State Where Samples Collected: <u>NEW YORK</u>		Requested Criteria: (Please Circle) MA: <u>Indoor Air Residential</u>	NI: <u>Indoor Air Residential</u>	PA: <u>Indoor Air Residential</u>	VT: <u>Indoor Air Residential</u>	Date: _____	
Turnaround Time: ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day ☒ 5 Day		Requested Criteria: (Please Circle) MA: <u>Indoor Air Residential</u>	NI: <u>Indoor Air Residential</u>	PA: <u>Indoor Air Residential</u>	VT: <u>Indoor Air Residential</u>	Signature: _____	
SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION: <u>TO-15 "special code list"</u> <u>See Bobbi / Greg</u> <u>Modified TO-15 analysis Per proper</u>		TAC I/C	Indoor Air Residential	Indoor Air Residential	Indoor Air Residential	Date: _____	
		TAC RES	Ind/Commercial	Ind/Commercial	Ind/Commercial	Date: _____	
		SVWC I/C	Soil Gas Residential	Soil Gas Residential	Soil Gas Residential	Date: _____	
		SVWC RES	Ind/Commercial	Ind/Commercial	Ind/Commercial	Date: _____	
		GWV I/C	Ind/Commercial	Ind/Commercial	Ind/Commercial	Date: _____	
		GWV RES	Ind/Commercial	Ind/Commercial	Ind/Commercial	Date: _____	



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Walden Environmental Engineering PLLC

IPARK0118.55 LAMILPA

Laboratory Project: GCI65769

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 MDL
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: GCI65769

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: IPARK0118.55 LAMILPA, Walden Environmental Engineering PLLC

Form 1 (Analysis):

No observations noted.

Form 2 (Surrogates):

All surrogates met criteria with the following exceptions: None.

Form 3 (Laboratory Control/Matrix Spike):

Sample: CI65778 LCS
All LCS recoveries met criteria with the following exceptions: None.

Sample: CI65778 LCSD
All LCS recoveries met criteria with the following exceptions: None.

Form 4 (Method Blank):

File: CHEM24 0630_07.D
All compounds were non-detect with the following exceptions: None.

Form 5 (Tune):

File: CHEM24 0627_02.D
All Tune criteria was met with the following exceptions: None.

File: CHEM24 0630_02.D
All Tune criteria was met with the following exceptions: None.

Form 6 (Initial Calibration):

Calibration: CHEM24 06/27/21 - 06/28/21
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.

Form 7 (Continuing Calibration):

File: CHEM24 0630_02.D (Opening)
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.

Form 8 (Internal Standard and Retention Time):

File: CHEM24 - 24AIR_0627.M / 0630_02.D Full
All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24AIR_0627.M / 0630_02.D Sim
All samples met internal standard area and retention time criteria with the following exceptions: None.



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SDG: GCI65769

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: IPARK0118.55 LAMILPA, Walden Environmental Engineering PLLC

File: CHEM24 - 24AIR_0627.M / Average Full

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

File: CHEM24 - 24AIR_0627.M / Average Sim

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

07/09/21

Alejandro Paredes

Project Manager

Lab Name:	Phoenix Environmental Labs	Client:	WALDENE-IPARK
Lab Code:	Phoenix	Case No.:	SDG: GCI65769
QC Batch Id:	581865	QC Sample Id:	CI65778

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CI65778 LCS	CI65778 LCS	101				0
02	CI65778 LCSD	CI65778 LCSD	101				0
03	CI65778 BLANK	CI65778 BLANK	97				0
04	IA-08	CI65769	100				0
05	IA-01	CI65770	100				0
06	IA-DUP	CI65771	97				0
07	IA-03	CI65772	98				0
08	IA-06	CI65773	100				0
09	IA-02	CI65775	100				0
10	IA-04	CI65776	98				0
11	FIELD BLANK	CI65777	83				0
12	IA-05	CI65778	100				0
13	IA-05 DUP	CI65778 DUP	99				0
14	IA-07	CI65779	101				0
15	AA-01	CI65774	98				0
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 41 of 245

LCS - Client Id: CL65778 LCS

[illegible]

4A
AIR METHOD BLANK SUMMARY

Client ID

CI65778 BLANK

Lab Name: Phoenix Environmental Labs

Client: WALDENE-IPARK

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCI65769

Lab File ID: 0630_07.D

Lab Sample ID: CI65778 BLK

Date Analyzed: 06/30/2021

Time Analyzed: 15:34

GC Column: RTX-VMS

Lab Batch ID: 581865

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	CI65778 LCS	CI65778 LCS	0630_04.D	13:55
02	CI65778 LCSD	CI65778 LCS	0630_05.D	14:32
03	IA-08	CI65769	0630_09.D	20:42
04	IA-01	CI65770	0630_10.D	21:22
05	IA-DUP	CI65771	0630_11.D	22:02
06	IA-03	CI65772	0630_12.D	22:43
07	IA-06	CI65773	0630_13.D	23:23
08	IA-02	CI65775	0630_14.D	00:03
09	IA-04	CI65776	0630_15.D	00:43
10	FIELD BLANK	CI65777	0630_16.D	01:24
11	IA-05	CI65778	0630_17.D	02:13
12	IA-05 DUP	CI65778 DUP	0630_18.D	02:53
13	IA-07	CI65779	0630_19.D	03:38
14	AA-01	CI65774	0630_20.D	04:18
15				
16				
17				
18				
19				
20				

COMMENTS:

FORM IV AIR

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: WALDENE-IPARK

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCI65769

Lab File ID: 0627_02.D

BFB Injection Date: 06/27/21

Instrument ID: CHEM24

BFB Injection Time: 18:39

GC Column: RTX-VMS

Heated Purge: (Y/N) Y

AutoFind: Scans 1614, 1615, 1616; Background Corrected with Scan 1606

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.7
75	30.0 - 66.0% of mass 95	44.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	111.0
175	4.0 - 9.0% of mass 174	7.8 (8.7)1
176	93.0 - 101.0% of mass 174	97.4 (108.0)1
177	5.0 - 9.0% of mass 176	6.8 (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	ICAL 0.02	0.02 ppb ; AIR34A	0627_03.D	06/27/21	19:10	
02	ICAL 0.035	0.035 ppb ; AIR34A	0627_04.D	06/27/21	19:42	
03	ICAL 0.05	0.05 ppb ; AIR34A	0627_05.D	06/27/21	20:14	
04	ICAL 0.1	0.10 ppb ; AIR34A	0627_06.D	06/27/21	20:46	
05	ICAL 0.25	0.20 ppb ; AIR34A	0627_07.D	06/27/21	21:19	
06	ICAL 0.5	0.50 ppb ; AIR34B	0627_08.D	06/27/21	21:56	
07	ICAL 2.5	2.5 ppb ; AIR34B	0627_09.D	06/27/21	22:32	
08	ICAL 5	5.0 ppb ; AIR34C	0627_10.D	06/27/21	23:05	
09	ICAL 25	25 ppb ; AIR34C	0627_11.D	06/27/21	23:40	
10	ICAL 40	40 ppb ; AIR34C	0627_12.D	06/28/21	01:05	
11	ICAL 1	1ppb ; AIR 34B	0627_14.D	06/28/21	02:10	
12	ICAL 10	10ppb ; AIR34C	0627_15.D	06/28/21	02:43	
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_02.D
 Acq On : 27 Jun 2021 6:39 pm
 Operator : Keith
 Sample : 0/0 ; ISTD AIR33G
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

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

Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 28 09:14:42 2021

AutoFind: Scans 1614, 1615, 1616; Background Corrected with Scan 1606

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	8	40	22.7	119883	PASS
75	95	30	66	44.3	234283	PASS
95	95	100	100	100.0	528896	PASS
96	95	5	9	6.9	36507	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	111.4	588928	PASS
175	174	4	9	7.8	45728	PASS
176	174	93	101	97.4	573589	PASS
177	176	5	9	6.8	38909	PASS

24AIR_0627.M Mon Jun 28 09:21:32 2021

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: WALDENE-IPARK

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCI65769

Lab File ID: 0630_02.D

BFB Injection Date: 06/30/21

Instrument ID: CHEM24

BFB Injection Time: 12:46

GC Column: RTX-VMS

Heated Purge: (Y/N) Y

AutoFind: Scans 1615, 1616, 1617; Background Corrected with Scan 1607

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.6
75	30.0 - 66.0% of mass 95	44.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	111.0
175	4.0 - 9.0% of mass 174	7.6 (8.4)1
176	93.0 - 101.0% of mass 174	96.9 (108.0)1
177	5.0 - 9.0% of mass 176	6.7 (7.2)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 ; air34b	0630_02.D	06/30/21	12:46	
02	CI65778 LCS	CI65778 LCS	0630_04.D	06/30/21	13:55	
03	CI65778 LCSD	CI65778 LCSD	0630_05.D	06/30/21	14:32	
04	CI65778 BLANK	CI65778 BLANK	0630_07.D	06/30/21	15:34	
05	IA-08	CI65769	0630_09.D	06/30/21	20:42	
06	IA-01	CI65770	0630_10.D	06/30/21	21:22	
07	IA-DUP	CI65771	0630_11.D	06/30/21	22:02	
08	IA-03	CI65772	0630_12.D	06/30/21	22:43	
09	IA-06	CI65773	0630_13.D	06/30/21	23:23	
10	IA-02	CI65775	0630_14.D	07/01/21	00:03	
11	IA-04	CI65776	0630_15.D	07/01/21	00:43	
12	FIELD BLANK	CI65777	0630_16.D	07/01/21	01:24	
13	IA-05	CI65778	0630_17.D	07/01/21	02:13	
14	IA-05 DUP	CI65778 DUP	0630_18.D	07/01/21	02:53	
15	IA-07	CI65779	0630_19.D	07/01/21	03:38	
16	AA-01	CI65774	0630_20.D	07/01/21	04:18	
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_02.D
 Acq On : 30 Jun 2021 12:46 pm
 Operator : Keith
 Sample : 1ppb cCal ; air34b
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

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

Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Title : VOA Standards for 5 point calibration
 Last Update : Tue Jun 29 10:02:00 2021

AutoFind: Scans 1615, 1616, 1617; Background Corrected with Scan 1607

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	8	40	21.6	110744	PASS
75	95	30	66	44.4	227392	PASS
95	95	100	100	100.0	512555	PASS
96	95	5	9	6.8	34819	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	111.1	569600	PASS
175	174	4	9	7.6	43213	PASS
176	174	93	101	96.9	552085	PASS
177	176	5	9	6.7	37000	PASS

24AIR_0627.M Wed Jun 30 14:55:19 2021

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: WALDENE-IPARK
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCI65769
 Lab Method / File Id: 24AIR_0627.M / Average Date Analyzed: 06/28/21
 Instrument ID: CHEM24 Time Analyzed: 2:10
 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	545055	5.22	1688814	7.17	711887	10.77			Average
UPPER LIMIT	765802	5.55	2372784	7.50	1000201	11.10			Average
LOWER LIMIT	324308	4.89	1004844	6.84	423573	10.44			Average
CLIENT ID									
01 ICAL 0.25	530135	5.22	1621897	7.17	678054	10.77			0627_07.D
02 ICAL 0.5	526885	5.22	1601002	7.17	669344	10.77			0627_08.D
03 ICAL 2.5	535343	5.22	1646979	7.17	695845	10.77			0627_09.D
04 ICAL 5	525738	5.22	1629261	7.17	680978	10.76			0627_10.D
05 ICAL 25	567250	5.24	1723584	7.18	736627	10.77			0627_11.D
06 ICAL 40	569345	5.22	1809463	7.18	770358	10.77			0627_12.D
07 ICAL 1	546704	5.22	1712159	7.17	722330	10.77			0627_14.D
08 ICAL 10	559038	5.22	1766169	7.17	741559	10.77			0627_15.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: WALDENE-IPARK
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCI65769
 Lab Method / File Id: 24AIR_0627.M / Average Date Analyzed: 06/28/21
 Instrument ID: CHEM24 Time Analyzed: 2:10
 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	528376	5.22	1641857	7.17	686648	10.77			Average
UPPER LIMIT	742369	5.55	2306808	7.50	964740	11.10			Average
LOWER LIMIT	314384	4.89	976905	6.84	408555	10.44			Average
CLIENT ID									
01 ICAL 0.02	537286	5.22	1659397	7.17	685173	10.77			0627_03.D
02 ICAL 0.035	520245	5.22	1599904	7.17	660769	10.77			0627_04.D
03 ICAL 0.05	528955	5.22	1621888	7.17	676772	10.77			0627_05.D
04 ICAL 0.1	515196	5.22	1559909	7.17	655653	10.77			0627_06.D
05 ICAL 0.25	526168	5.22	1621897	7.17	678054	10.77			0627_07.D
06 ICAL 0.5	520667	5.22	1601002	7.17	669344	10.77			0627_08.D
07 ICAL 2.5	527784	5.22	1646979	7.17	695845	10.77			0627_09.D
08 ICAL 5	520595	5.22	1629261	7.17	680978	10.76			0627_10.D
09 ICAL 1	537729	5.22	1712159	7.17	722330	10.77			0627_14.D
10 ICAL 10	549138	5.23	1766169	7.17	741559	10.77			0627_15.D
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: WALDENE-IPARK
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCI65769
 Lab Method / File Id: 24AIR_0627.M / 0630_02.D Date Analyzed: 06/30/21
 Instrument ID: CHEM24 Time Analyzed: 12:46
 GC Column: RTX-VMS 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	491031	5.23	1543532	7.18	648729	10.78			0630_02.D
UPPER LIMIT	689899	5.56	2168662	7.51	911464	11.11			0630_02.D
LOWER LIMIT	292163	4.90	918402	6.85	385994	10.45			0630_02.D
CLIENT ID									
01 CCAL 1	491031	5.23	1543532	7.18	648729	10.78			0630_02.D
02 CI65778 LCS	494662	5.24	1573743	7.18	668140	10.78			0630_04.D
03 CI65778 LCSD	489163	5.23	1569295	7.19	657314	10.78			0630_05.D
04 CI65778 BLANK	486763	5.24	1508329	7.18	634122	10.78			0630_07.D
05 IA-08	465126	5.23	1452488	7.18	609255	10.77			0630_09.D
06 IA-01	471741	5.23	1456632	7.18	613737	10.77			0630_10.D
07 IA-DUP	476609	5.23	1478804	7.18	624290	10.77			0630_11.D
08 IA-03	467366	5.23	1454730	7.18	613880	10.78			0630_12.D
09 IA-06	468574	5.23	1455762	7.19	611970	10.78			0630_13.D
10 IA-02	467958	5.23	1451247	7.18	604195	10.78			0630_14.D
11 IA-04	465298	5.23	1438292	7.18	614836	10.78			0630_15.D
12 FIELD BLANK	480472	5.23	1471799	7.18	647022	10.78			0630_16.D
13 IA-05	471704	5.23	1470307	7.18	607673	10.78			0630_17.D
14 IA-05 DUP	469045	5.23	1432882	7.18	606564	10.78			0630_18.D
15 IA-07	458044	5.23	1434873	7.18	599215	10.78			0630_19.D
16 AA-01	468921	5.23	1441263	7.19	609696	10.78			0630_20.D
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: WALDENE-IPARK
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCI65769
 Lab Method / File Id: 24AIR_0627.M / 0630_02.D Date Analyzed: 06/30/21
 Instrument ID: CHEM24 Time Analyzed: 12:46
 GC Column: RTX-VMS 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	476218	5.23	1543532	7.18	648729	10.78			0630_02.D
UPPER LIMIT	669086	5.56	2168662	7.51	911464	11.11			0630_02.D
LOWER LIMIT	283350	4.90	918402	6.85	385994	10.45			0630_02.D
CLIENT ID									
01 CCAL 1	476218	5.23	1543532	7.18	648729	10.78			0630_02.D
02 CI65778 LCS	485892	5.23	1573743	7.18	668140	10.78			0630_04.D
03 CI65778 LCSD	478650	5.24	1569295	7.19	657314	10.78			0630_05.D
04 CI65778 BLANK	473601	5.23	1508329	7.18	634122	10.78			0630_07.D
05 IA-08	456305	5.23	1452488	7.18	609255	10.77			0630_09.D
06 IA-01	463899	5.23	1456632	7.18	613737	10.77			0630_10.D
07 IA-DUP	466495	5.23	1478804	7.18	624290	10.77			0630_11.D
08 IA-03	458078	5.23	1454730	7.18	613880	10.78			0630_12.D
09 IA-06	459695	5.23	1455762	7.19	611970	10.78			0630_13.D
10 IA-02	456863	5.23	1451247	7.18	604195	10.78			0630_14.D
11 IA-04	456558	5.23	1438292	7.18	614836	10.78			0630_15.D
12 FIELD BLANK	467958	5.23	1471799	7.18	647022	10.78			0630_16.D
13 IA-05	463327	5.23	1470307	7.18	607673	10.78			0630_17.D
14 IA-05 DUP	460662	5.23	1432882	7.18	606564	10.78			0630_18.D
15 IA-07	452331	5.23	1434873	7.18	599215	10.78			0630_19.D
16 AA-01	461110	5.23	1441263	7.19	609696	10.78			0630_20.D
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

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_09.D
 Acq On : 30 Jun 2021 8:42 pm
 Operator : Keith
 Client ID : IA-08
 Lab ID : CI65769
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 08:20:37 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

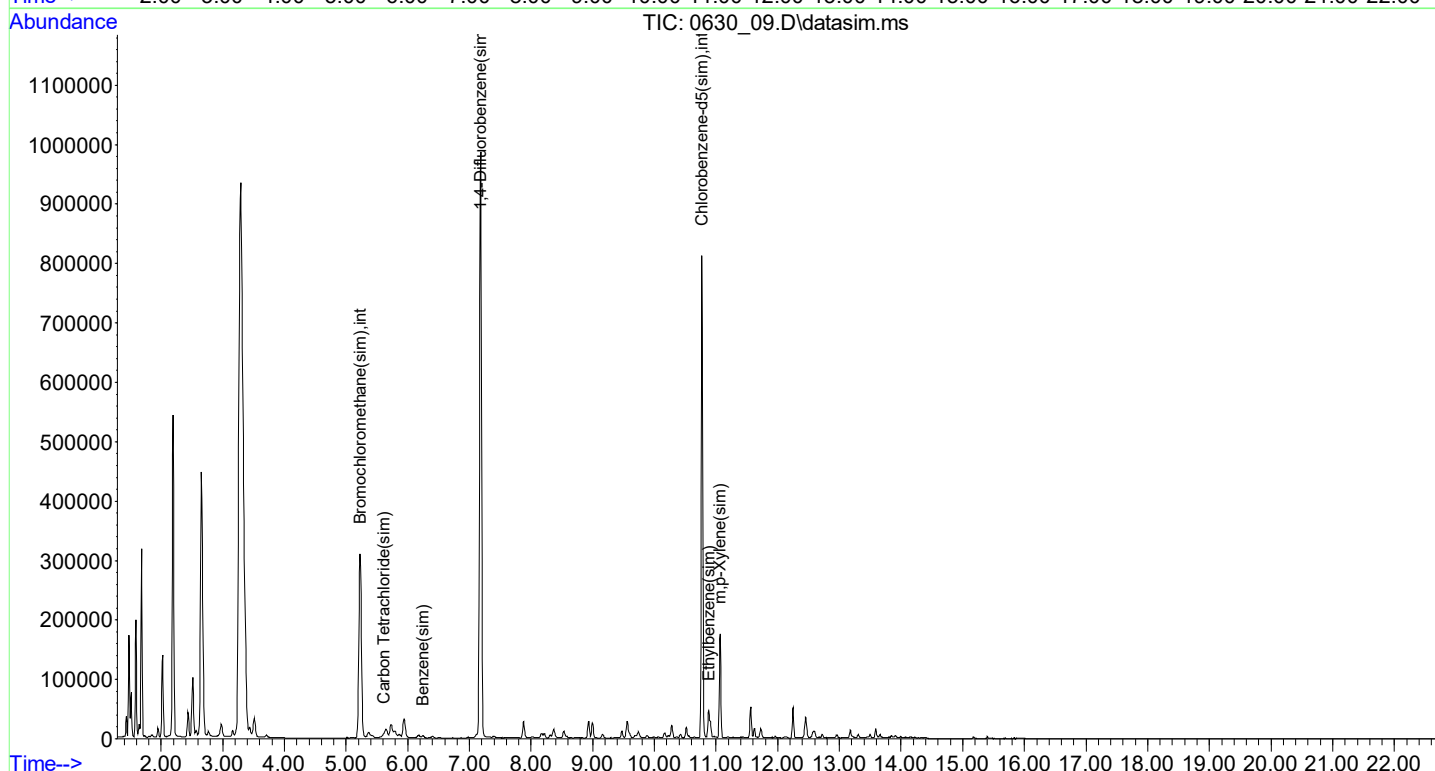
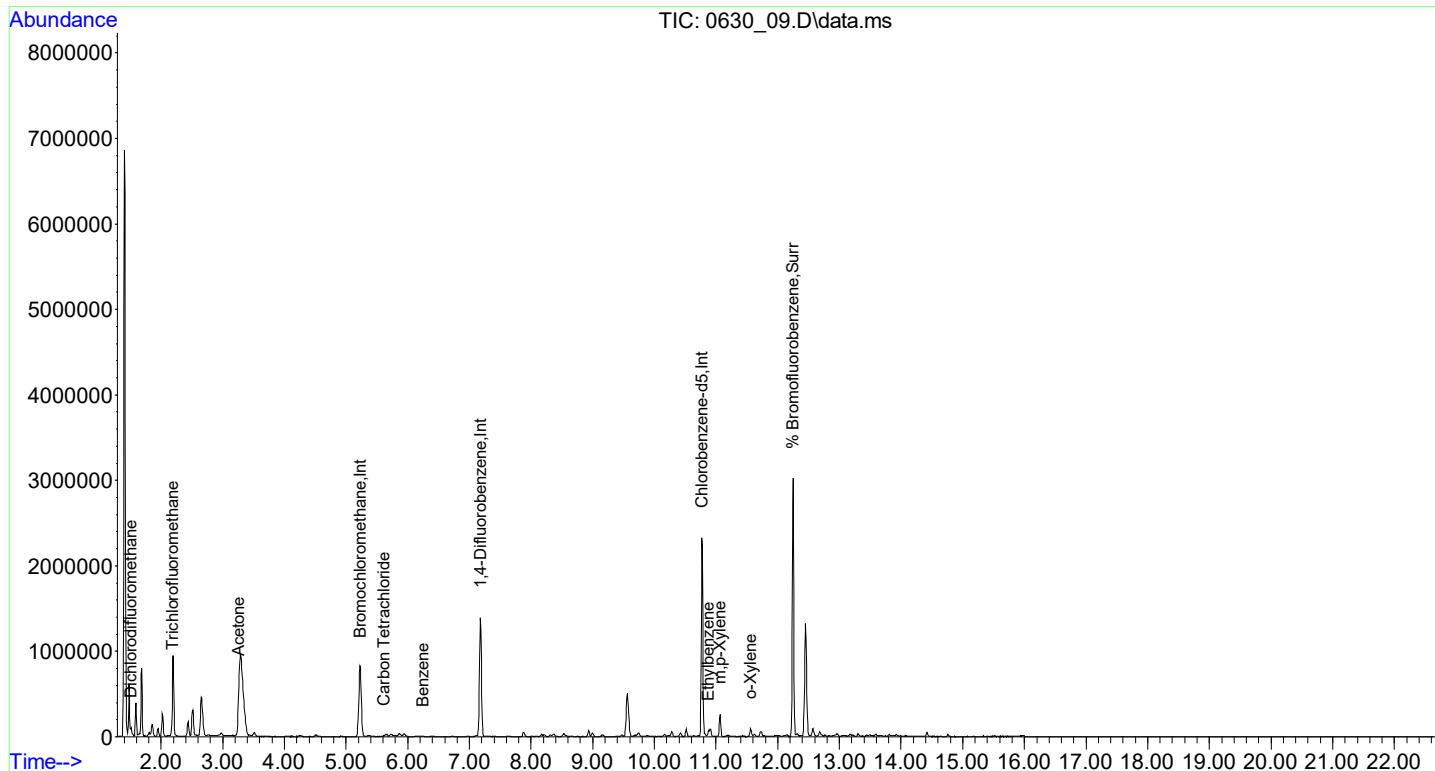
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	130	465126	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.178	114	1452488	10.000	ng	0.00
53) Chlorobenzene-d5	10.769	82	609255	10.000	ng	0.00
80) Bromochloromethane(sim)	5.226	130	456305	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.178	114	1452488	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.769	82	609255	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.246	95	889470	10.016	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.20%
Target Compounds						
3) Dichlorodifluoromethane	1.514	85	54044	0.579	ppbv	Qvalue 100
12) Acetone	3.260	43	1099695	15.251	ppbv#	79
13) Trichlorofluoromethane	2.185	101	92433	0.895	ppbv	99
33) Benzene	6.247	78	6114	0.067	ppbv#	89
34) Carbon Tetrachloride	5.612	117	6435	0.066	ppbv	91
56) Ethylbenzene	10.879	91	41295	0.261	ppbv	97
57) m,p-Xylene	11.064	91	142464	1.226	ppbv	99
61) o-Xylene	11.558	91	41033	0.336	ppbv	100
86) Benzene(sim)	6.250	78	6036	0.056	ppbv	94
87) Carbon Tetrachloride(sim)	5.612	117	6435	0.064	ppbv	92
108) Ethylbenzene(sim)	10.882	91	45130	0.267	ppb	100
109) m,p-Xylene(sim)	11.064	91	142464	1.225	ppbv	99

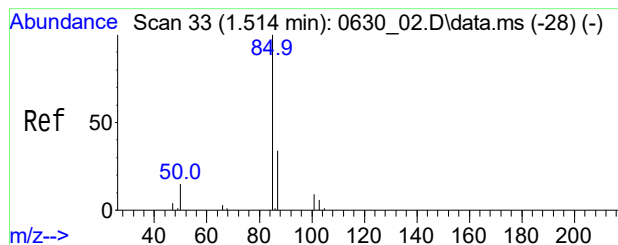
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_09.D
 Acq On : 30 Jun 2021 8:42 pm
 Operator : Keith
 Client ID : IA-08
 Lab ID : CI65769
 ALS Vial : 9 Sample Multiplier: 1

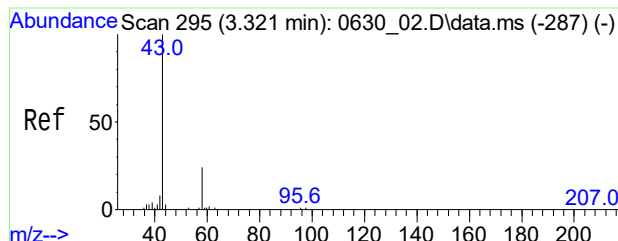
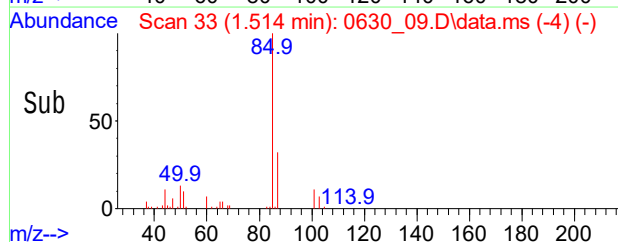
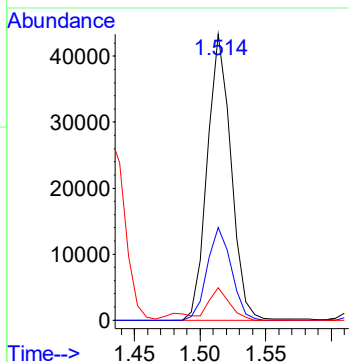
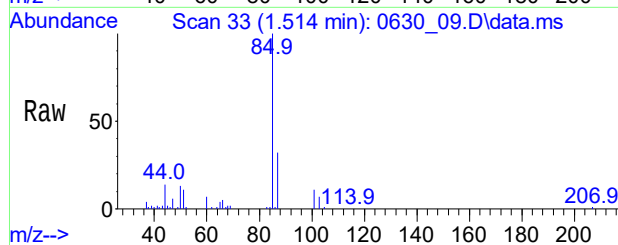
Quant Time: Jul 01 08:20:37 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration





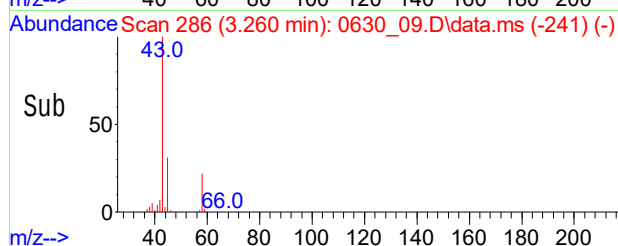
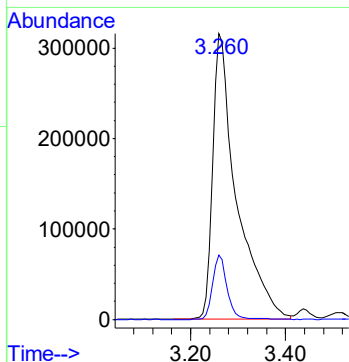
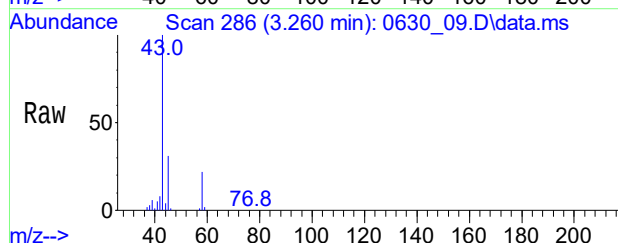
#3
Dichlorodifluoromethane
Conc: 8\$ 0.579 ppbv
RT: 1.514 min Scan# 33
Delta R.T. 0.000 min
Lab File: 0630_09.D
Acq: 30 Jun 2021 8:42 pm

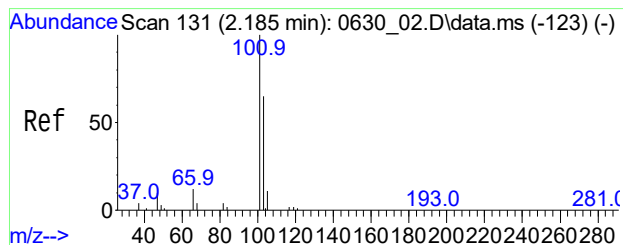
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	54044		
87	32.9	26.2	39.4	
101	10.1	8.2	12.4	



#12
Acetone
Conc: 8\$ 15.251 ppbv
RT: 3.260 min Scan# 286
Delta R.T. 0.007 min
Lab File: 0630_09.D
Acq: 30 Jun 2021 8:42 pm

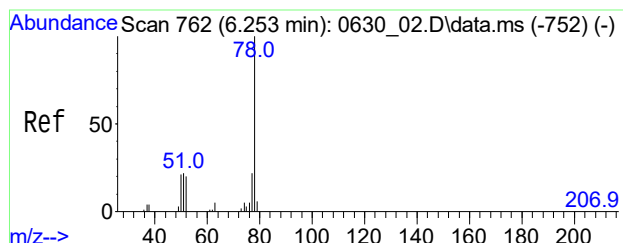
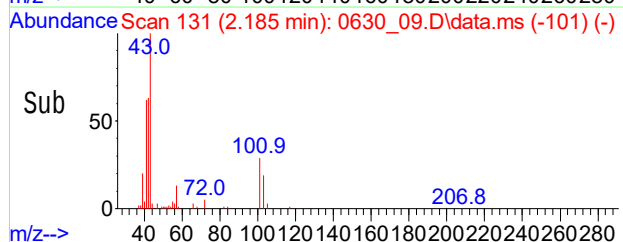
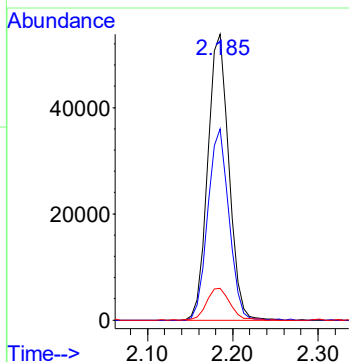
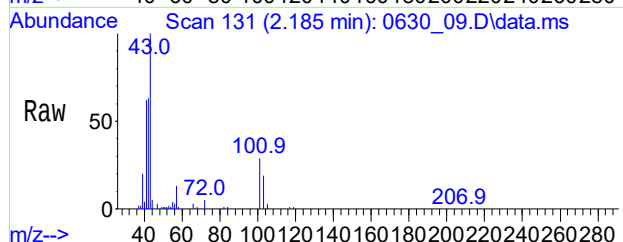
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1099695		
58	13.9	19.4	29.0#	





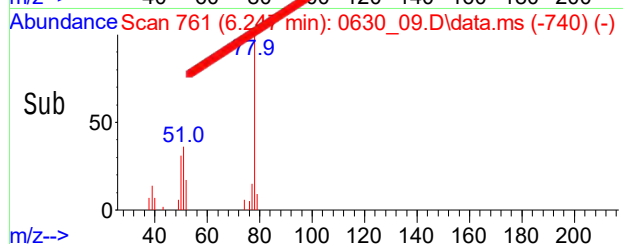
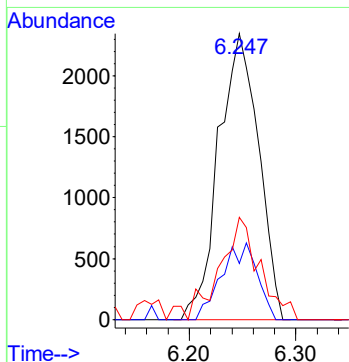
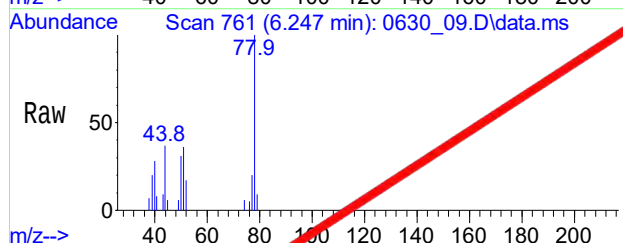
#13
Trichlorofluoromethane
Conc: 8\$ 0.895 ppbv
RT: 2.185 min Scan# 131
Delta R.T. 0.007 min
Lab File: 0630_09.D
Acq: 30 Jun 2021 8:42 pm

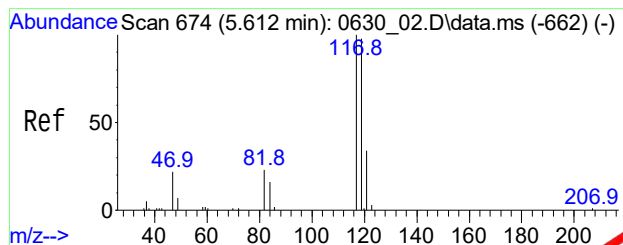
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	92433		
103	67.1	53.1	79.7	
66	12.4	10.1	15.1	



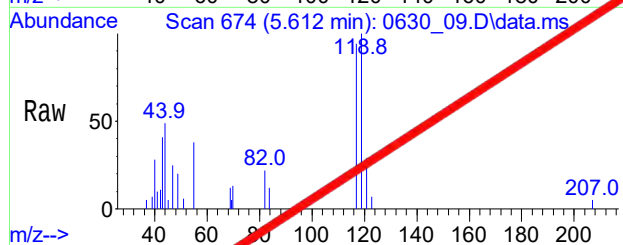
#33
Benzene
Conc: 8\$ Below Cal
RT: 6.247 min Scan# 761
Delta R.T. 0.007 min
Lab File: 0630_09.D
Acq: 30 Jun 2021 8:42 pm

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	6114		
77	23.7	18.6	27.8	
51	35.8	20.4	30.6	

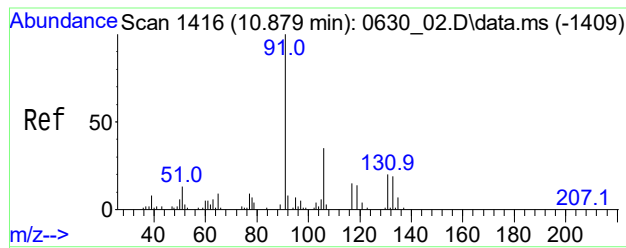
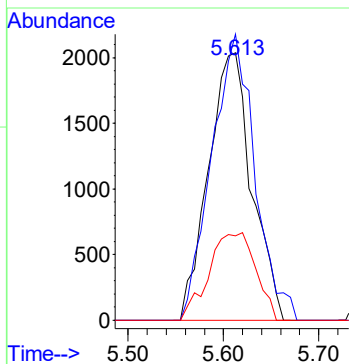
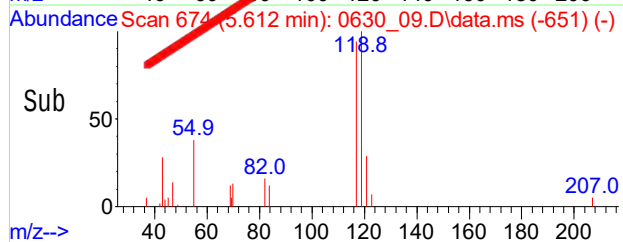




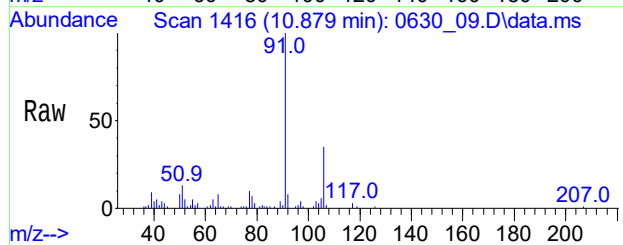
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.612 min Scan# 674
Delta R.T. 0.015 min
Lab File: 0630_09.D
Acq: 30 Jun 2021 8:42 pm



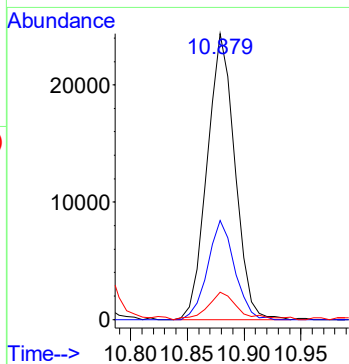
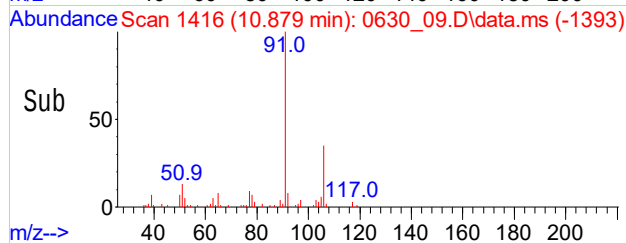
Tgt Ion: 117 Resp: 6435
Ion Ratio Lower Upper
117 100
119 106.7 77.2 117.2
121 35.2 10.8 50.8

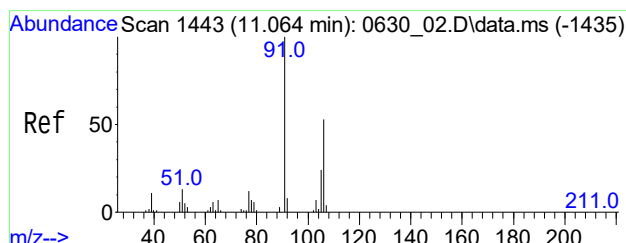


#56
Ethylbenzene
Conc: 8\$ 0.261 ppbv
RT: 10.879 min Scan# 1416
Delta R.T. 0.007 min
Lab File: 0630_09.D
Acq: 30 Jun 2021 8:42 pm



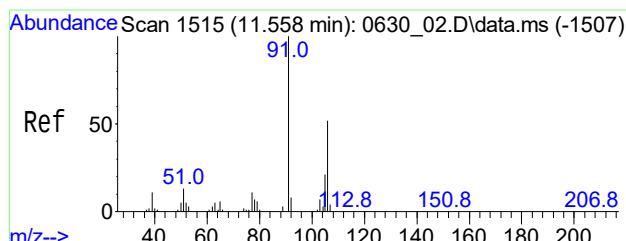
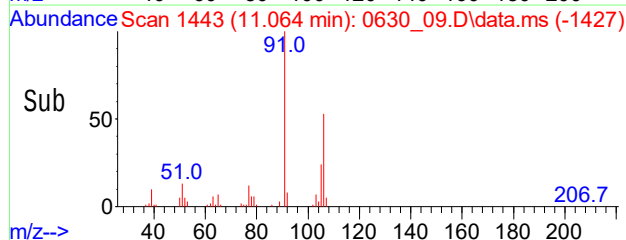
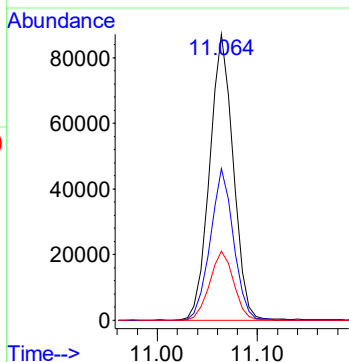
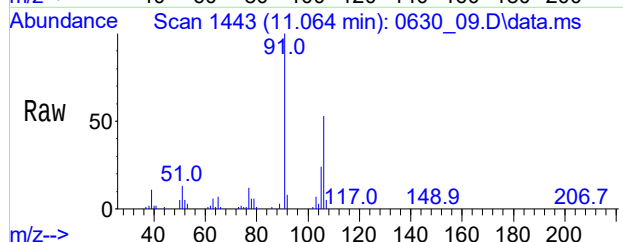
Tgt Ion: 91 Resp: 41295
Ion Ratio Lower Upper
91 100
106 33.6 12.7 52.7
77 10.4 0.0 28.0





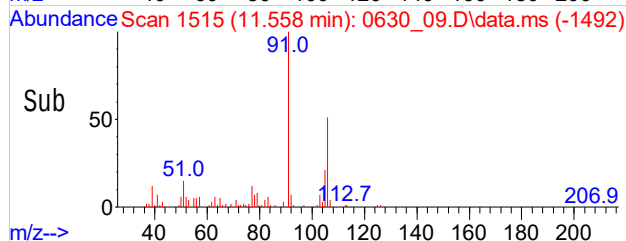
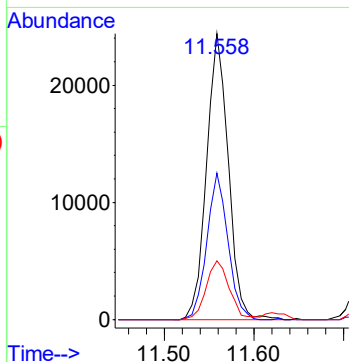
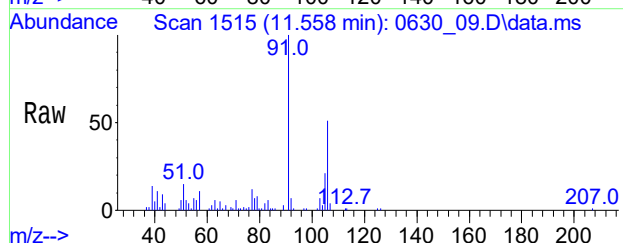
#57
m,p-Xylene
Conc: 8\$ 1.226 ppbv
RT: 11.064 min Scan# 1443
Delta R.T. 0.007 min
Lab File: 0630_09.D
Acq: 30 Jun 2021 8:42 pm

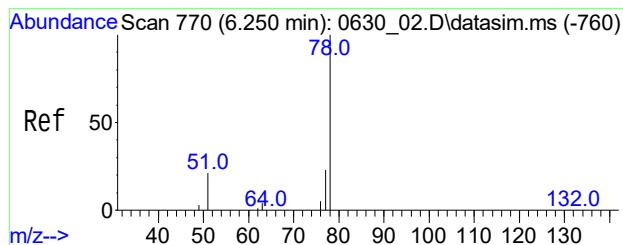
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	142464		
106	52.2	41.4	62.2	
105	24.5	19.4	29.0	



#61
o-Xylene
Conc: 8\$ 0.336 ppbv
RT: 11.558 min Scan# 1515
Delta R.T. 0.007 min
Lab File: 0630_09.D
Acq: 30 Jun 2021 8:42 pm

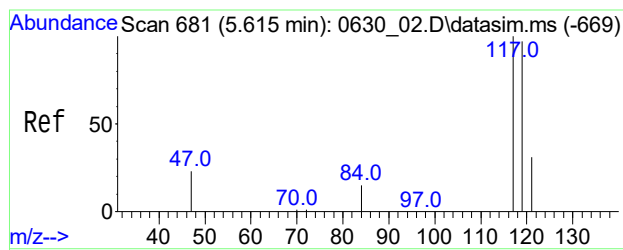
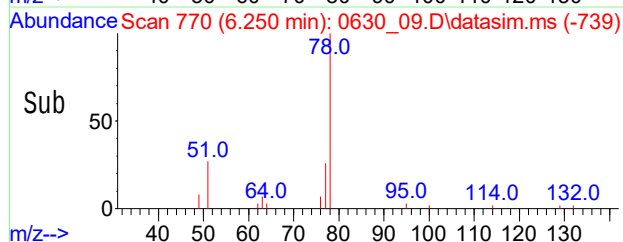
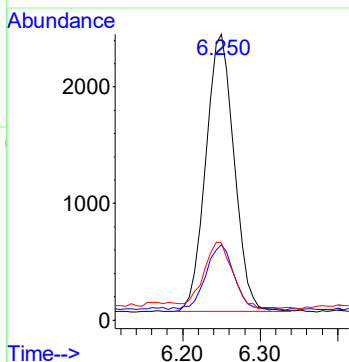
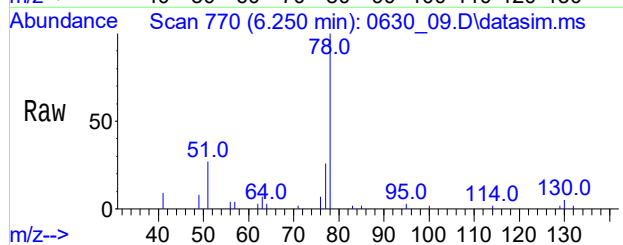
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	41033		
106	49.9	40.0	60.0	
105	22.2	17.4	26.0	





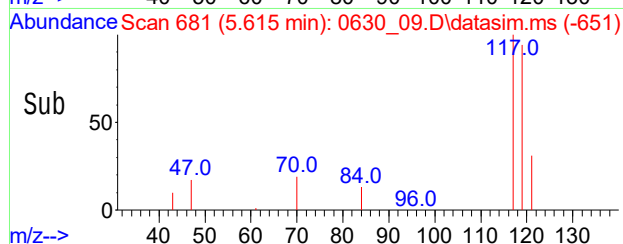
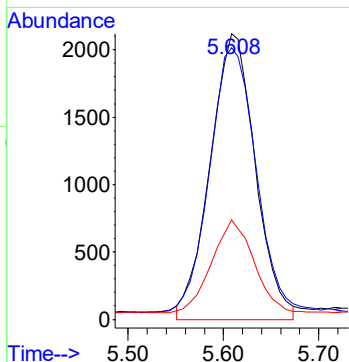
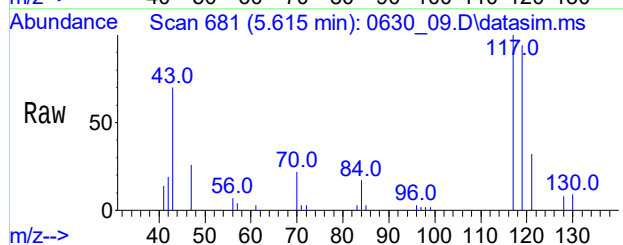
#86
Benzene(sim)
Conc: 8\$ 0.056 ppbv
RT: 6.250 min Scan# 770
Delta R.T. 0.014 min
Lab File: 0630_09.D
Acq: 30 Jun 2021 8:42 pm

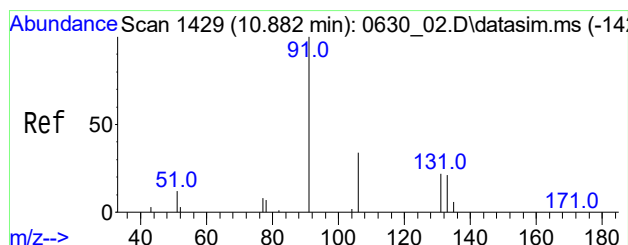
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	6036		
77	26.9	20.2	30.4	
51	27.0	18.4	27.6	



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.064 ppbv
RT: 5.612 min Scan# 681
Delta R.T. 0.015 min
Lab File: 0630_09.D
Acq: 30 Jun 2021 8:42 pm

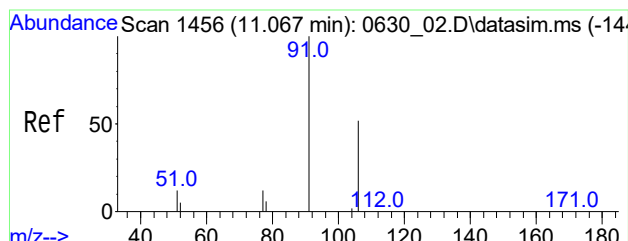
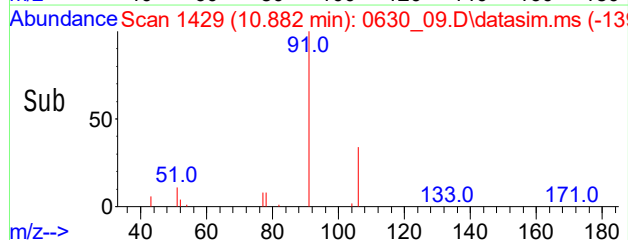
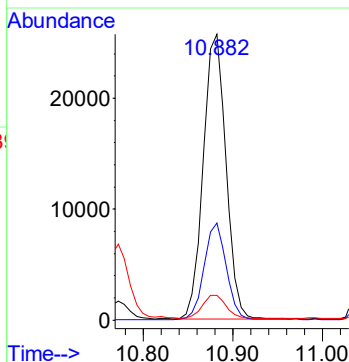
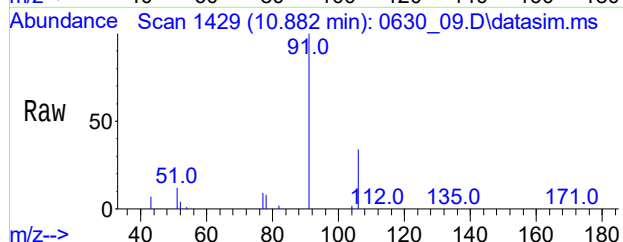
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6435		
119	106.0	77.8	116.6	
121	33.8	24.5	36.7	





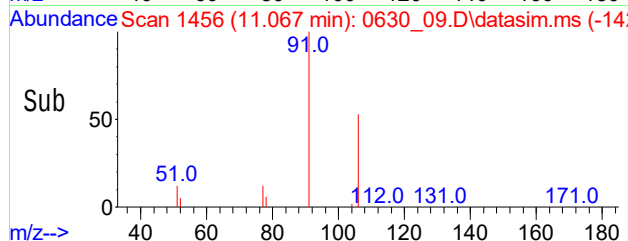
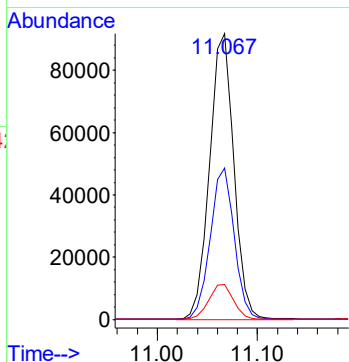
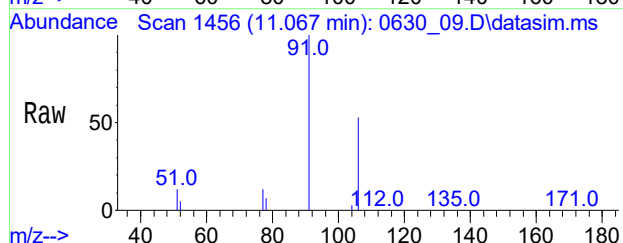
#108
Ethylbenzene(sim)
Conc: 8\$ 0.267 ppb
RT: 10.882 min Scan# 1429
Delta R.T. 0.007 min
Lab File: 0630_09.D
Acq: 30 Jun 2021 8:42 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	45130		
106	33.2	26.6	40.0	
77	8.5	7.0	10.6	



#109
m,p-Xylene(sim)
Conc: 8\$ 1.225 ppbv
RT: 11.064 min Scan# 1456
Delta R.T. 0.007 min
Lab File: 0630_09.D
Acq: 30 Jun 2021 8:42 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	142464		
106	52.2	46.5	56.9	
77	12.9	10.2	15.4	



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

Lab Sample ID: CI65770

Lab File ID: 0630 10.D

Purge Volume	200	(cc)	Date Analyzed:	06/30/21
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Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

07/09/2021

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_10.D
 Acq On : 30 Jun 2021 9:22 pm
 Operator : Keith
 Client ID : IA-01
 Lab ID : CI65770
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 08:21:25 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

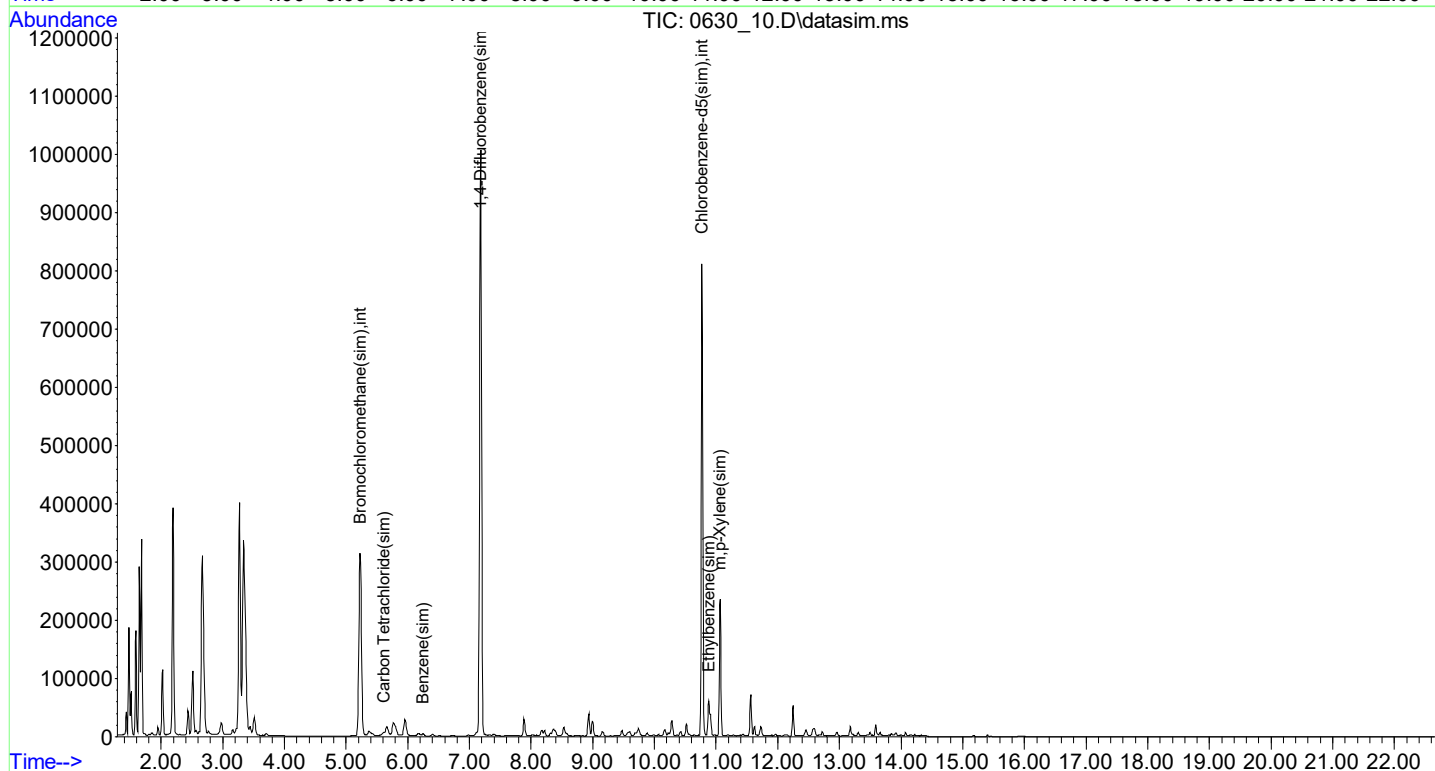
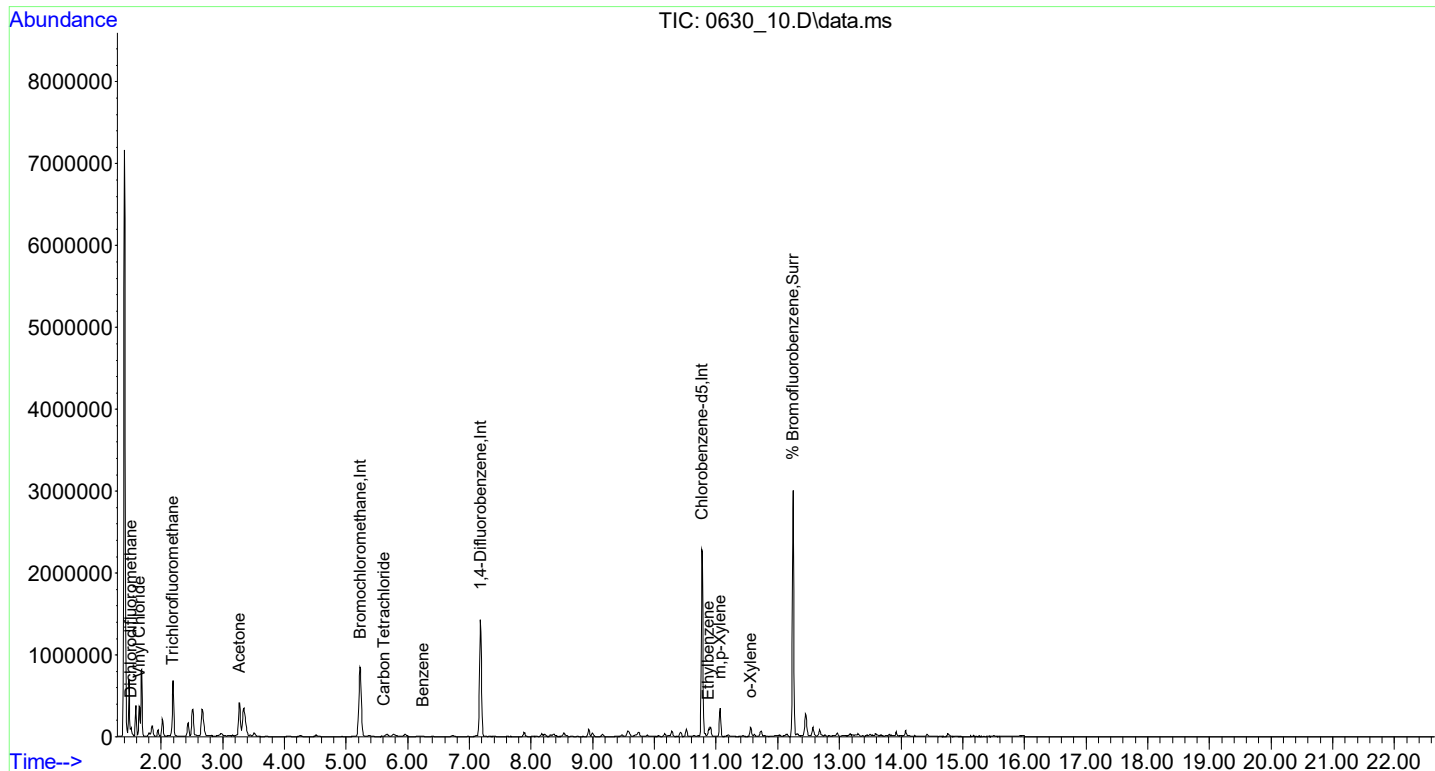
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	130	471741	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.178	114	1456632	10.000	ng	0.00
53) Chlorobenzene-d5	10.769	82	613737	10.000	ng	0.00
80) Bromochloromethane(sim)	5.226	130	463899	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.178	114	1456632	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.769	82	613737	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.245	95	892146	9.972	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.70%
Target Compounds						
3) Dichlorodifluoromethane	1.514	85	54830	0.579	ppbv	Qvalue 98
6) Vinyl Chloride	1.651	62	798	0.024	ppbv	94
12) Acetone	3.266	43	606752	8.296	ppbv	98
13) Trichlorofluoromethane	2.185	101	81306	0.776	ppbv	100
33) Benzene	6.247	78	5813	0.062	ppbv	97
34) Carbon Tetrachloride	5.612	117	6671	0.067	ppbv	99
56) Ethylbenzene	10.879	91	55049	0.346	ppbv	98
57) m,p-Xylene	11.064	91	194920	1.665	ppbv	99
61) o-Xylene	11.558	91	54874	0.447	ppbv	97
86) Benzene(sim)	6.250	78	5892	0.054	ppbv	96
87) Carbon Tetrachloride(sim)	5.612	117	6543	0.064	ppbv	97
108) Ethylbenzene(sim)	10.882	91	59035	0.347	ppb	100
109) m,p-Xylene(sim)	11.064	91	195481	1.669	ppbv	100

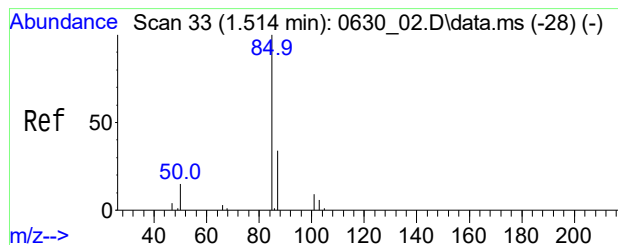
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_10.D
 Acq On : 30 Jun 2021 9:22 pm
 Operator : Keith
 Client ID : IA-01
 Lab ID : CI65770
 ALS Vial : 10 Sample Multiplier: 1

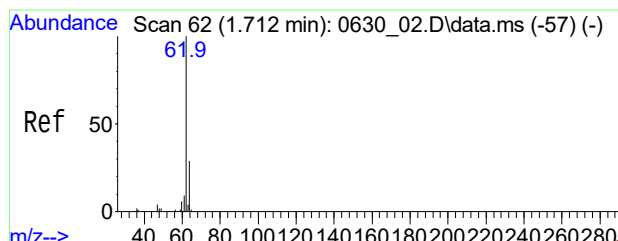
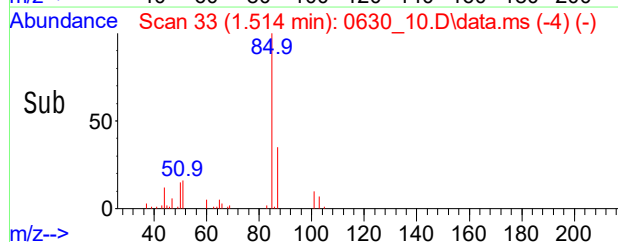
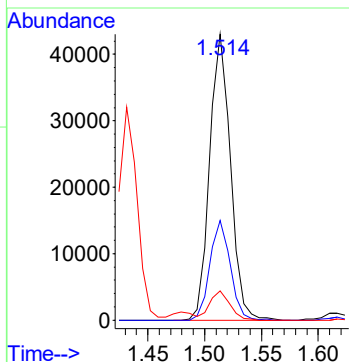
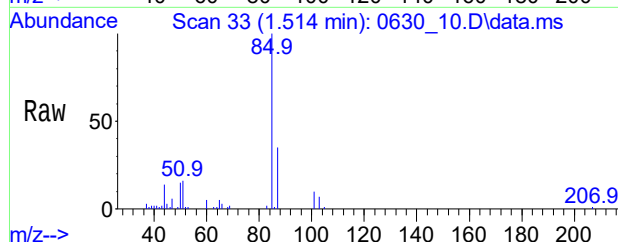
Quant Time: Jul 01 08:21:25 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration





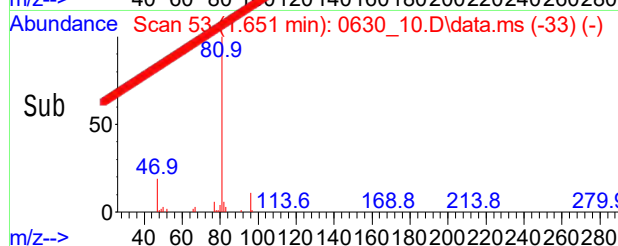
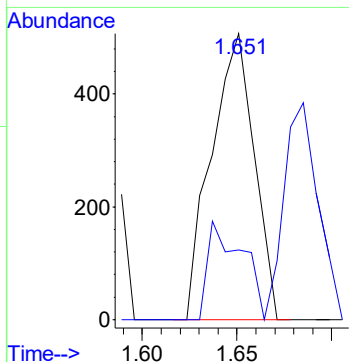
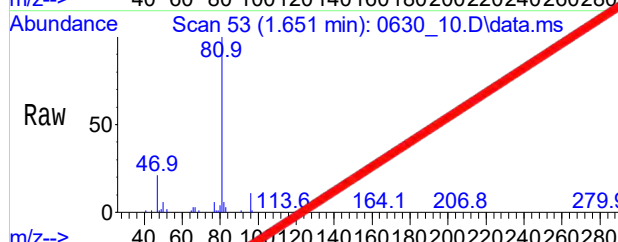
#3
Dichlorodifluoromethane
Conc: 8\$ 0.579 ppbv
RT: 1.514 min Scan# 33
Delta R.T. 0.000 min
Lab File: 0630_10.D
Acq: 30 Jun 2021 9:22 pm

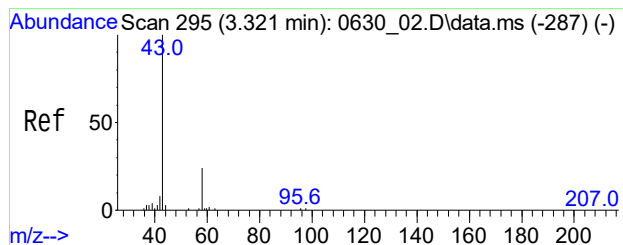
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	54830		
87	34.1	26.2	39.4	
101	9.8	8.2	12.4	



#6
Vinyl Chloride
Conc: 8\$ Below Cal
RT: 1.651 min Scan# 53
Delta R.T. -0.062 min
Lab File: 0630_10.D
Acq: 30 Jun 2021 9:22 pm

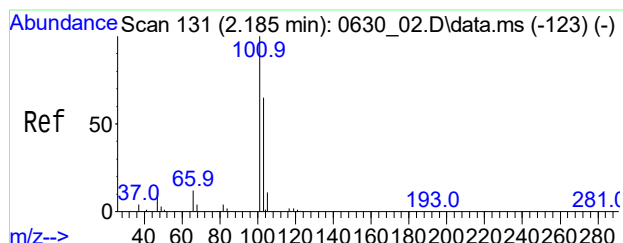
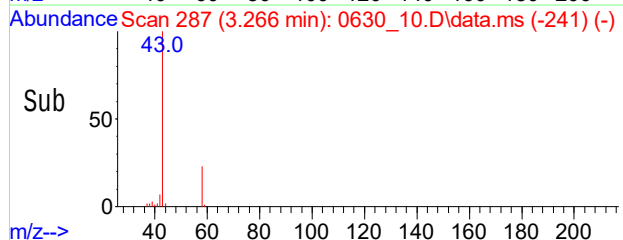
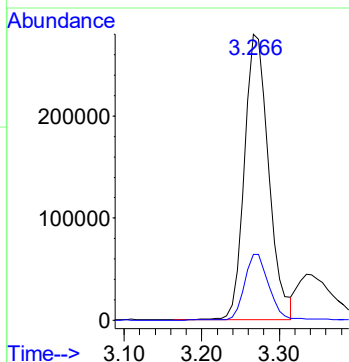
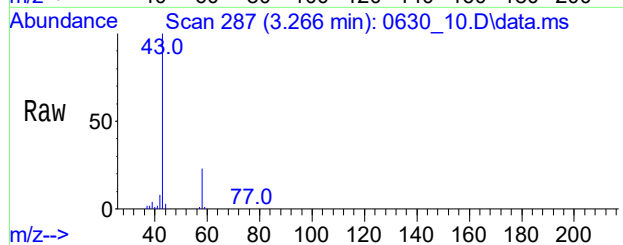
Tgt Ion	Ratio	Resp	Lower	Upper
62	100	798		
64	27.7	10.8	50.8	





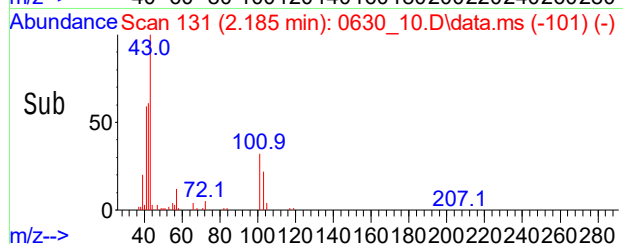
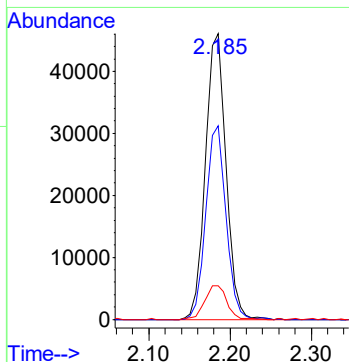
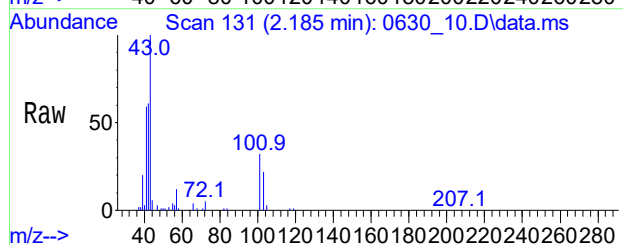
#12
Acetone
Conc: 8\$ 8.296 ppbv
RT: 3.266 min Scan# 287
Delta R.T. 0.014 min
Lab File: 0630_10.D
Acq: 30 Jun 2021 9:22 pm

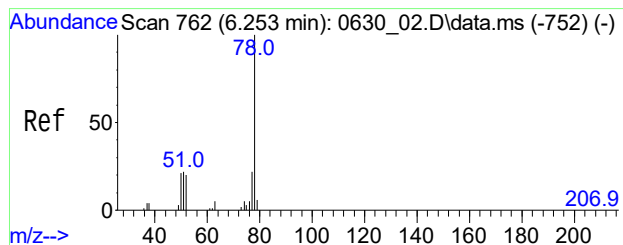
Tgt Ion: 43 Resp: 606752
Ion Ratio Lower Upper
43 100
58 23.1 19.4 29.0



#13
Trichlorofluoromethane
Conc: 8\$ 0.776 ppbv
RT: 2.185 min Scan# 131
Delta R.T. 0.007 min
Lab File: 0630_10.D
Acq: 30 Jun 2021 9:22 pm

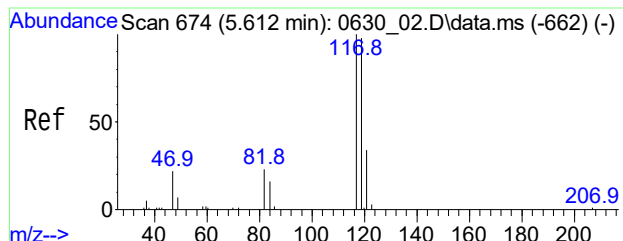
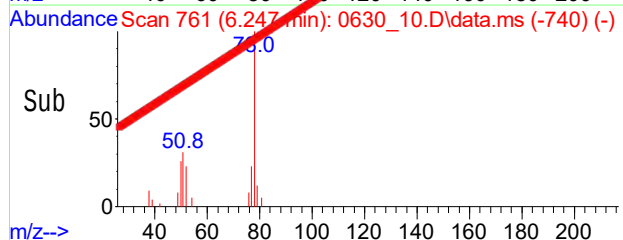
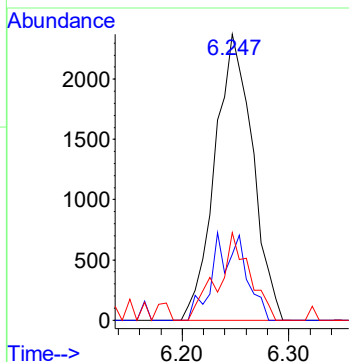
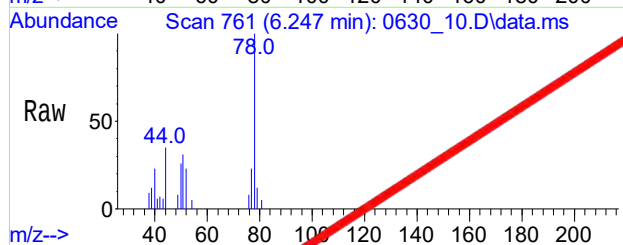
Tgt Ion: 101 Resp: 81306
Ion Ratio Lower Upper
101 100
103 66.4 53.1 79.7
66 12.7 10.1 15.1





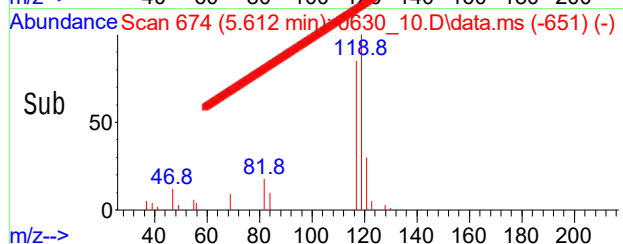
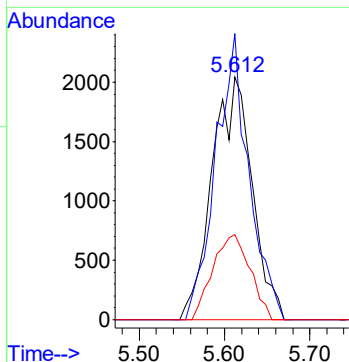
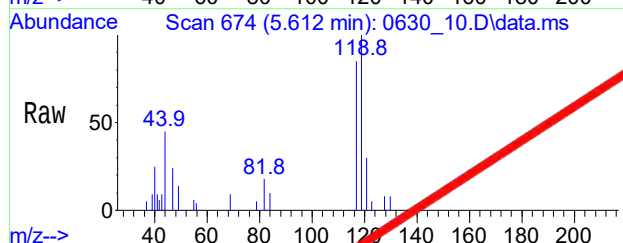
#33
Benzene
Conc: 8\$ Below Cal
RT: 6.247 min Scan# 761
Delta R.T. 0.007 min
Lab File: 0630_10.D
Acq: 30 Jun 2021 9:22 pm

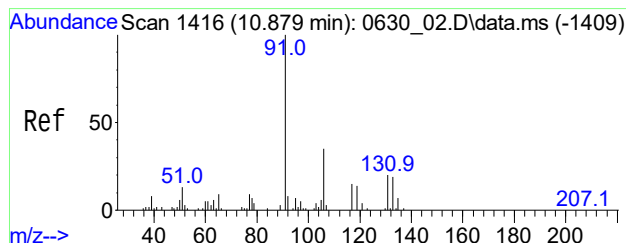
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	5813		
77	25.9	18.6		27.8
51	25.9	20.4		30.6



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.612 min Scan# 674
Delta R.T. 0.014 min
Lab File: 0630_10.D
Acq: 30 Jun 2021 9:22 pm

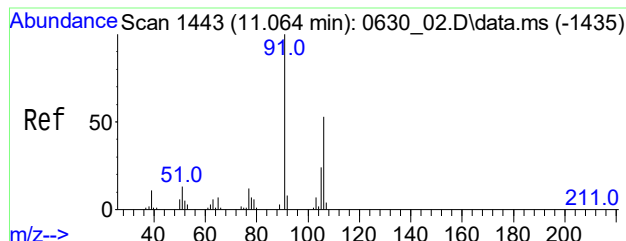
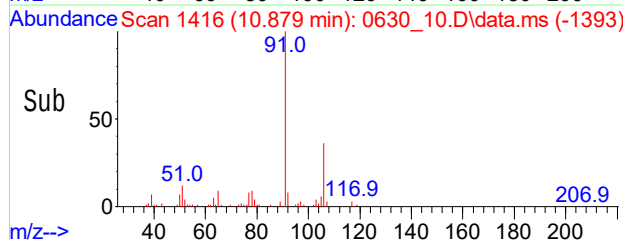
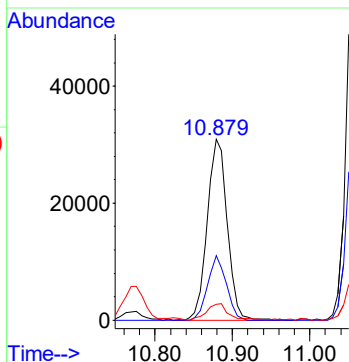
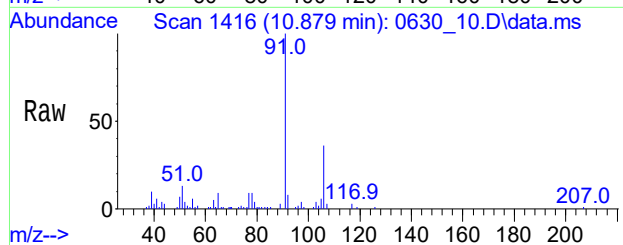
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6671		
119	97.5	77.2		117.2
121	32.6	10.8		50.8





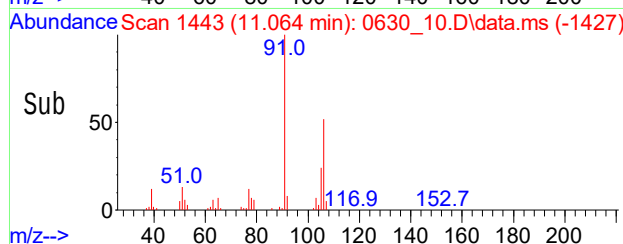
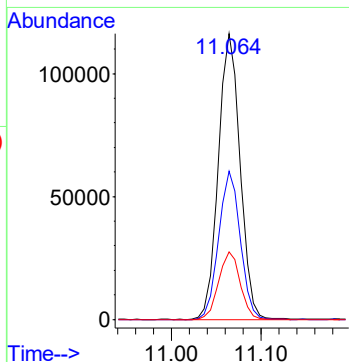
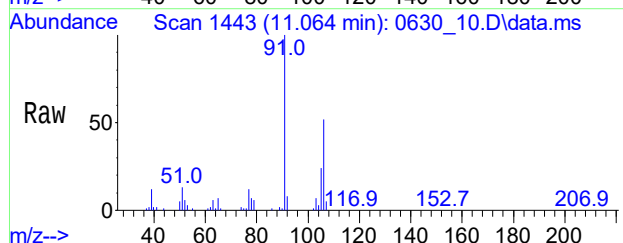
#56
Ethylbenzene
Conc: 8\$ 0.346 ppbv
RT: 10.879 min Scan# 1416
Delta R.T. 0.007 min
Lab File: 0630_10.D
Acq: 30 Jun 2021 9:22 pm

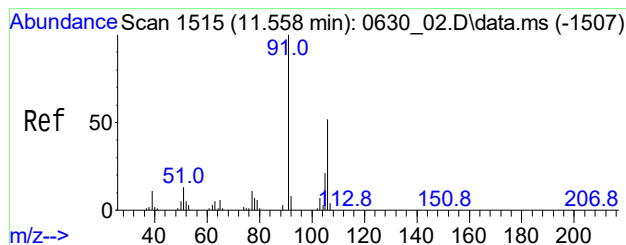
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	55049		
106	33.2	12.7	52.7	
77	10.0	0.0	28.0	



#57
m,p-Xylene
Conc: 8\$ 1.665 ppbv
RT: 11.064 min Scan# 1443
Delta R.T. 0.007 min
Lab File: 0630_10.D
Acq: 30 Jun 2021 9:22 pm

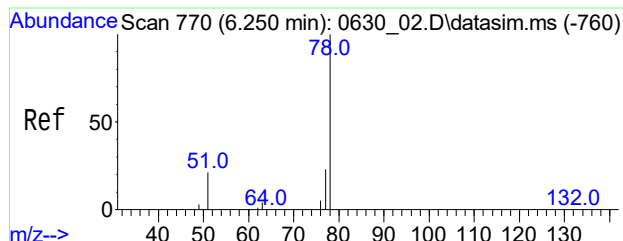
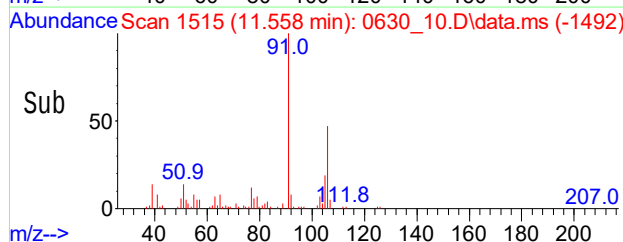
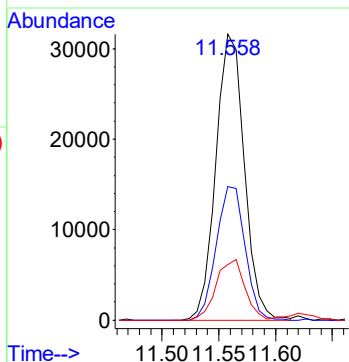
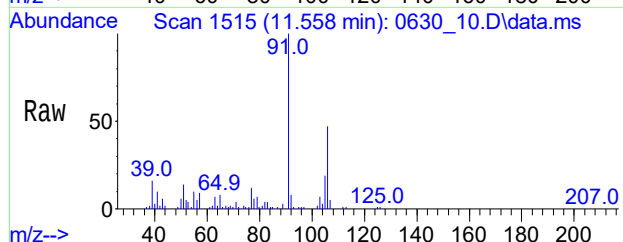
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	194920		
106	51.7	41.4	62.2	
105	23.5	19.4	29.0	





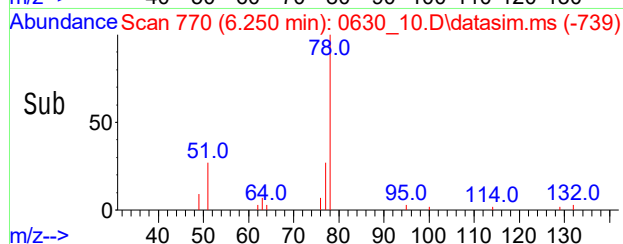
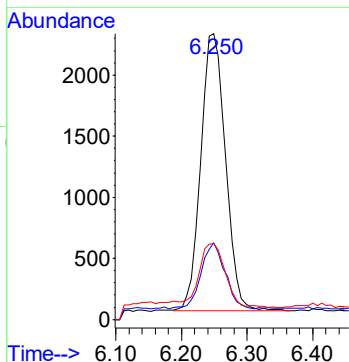
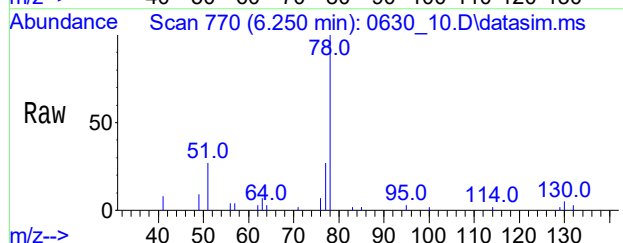
#61
o-Xylene
Conc: 8\$ 0.447 ppbv
RT: 11.558 min Scan# 1515
Delta R.T. 0.007 min
Lab File: 0630_10.D
Acq: 30 Jun 2021 9:22 pm

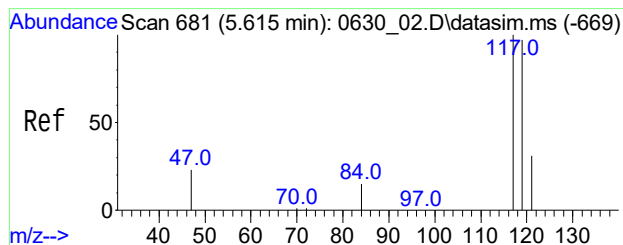
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	54874		
106	47.1	40.0	60.0	
105	21.5	17.4	26.0	



#86
Benzene(sim)
Conc: 8\$ 0.054 ppbv
RT: 6.250 min Scan# 770
Delta R.T. 0.014 min
Lab File: 0630_10.D
Acq: 30 Jun 2021 9:22 pm

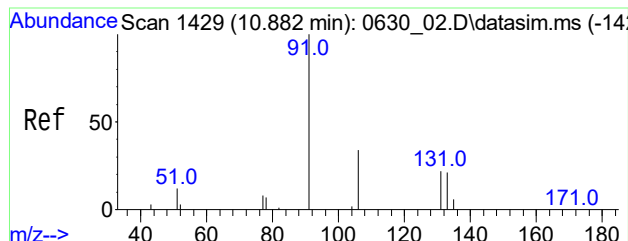
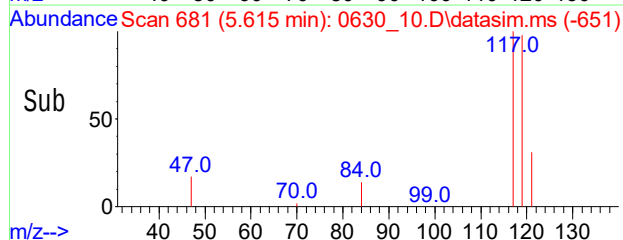
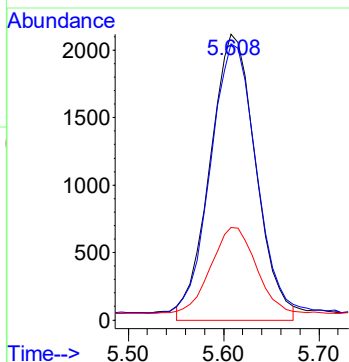
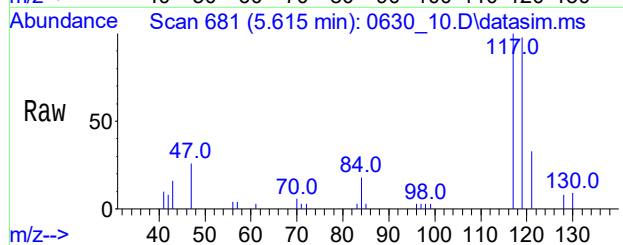
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	5892		
77	22.7	20.2	30.4	
51	24.4	18.4	27.6	





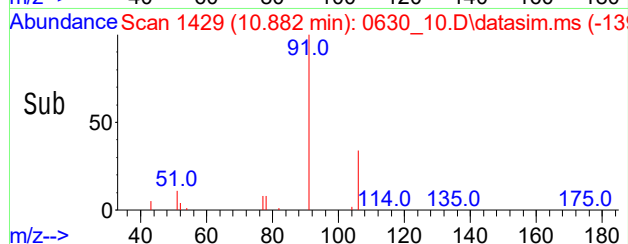
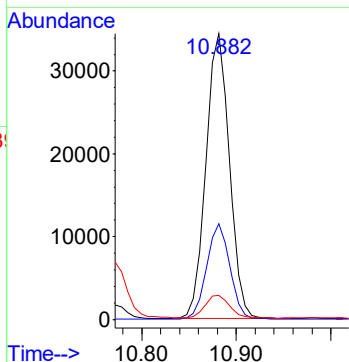
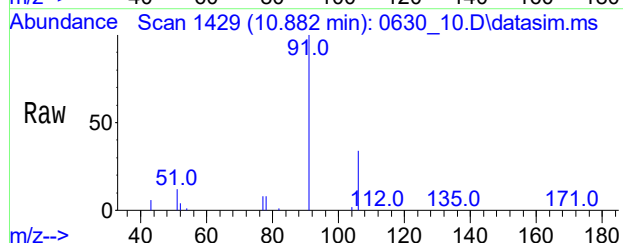
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.064 ppbv
RT: 5.612 min Scan# 681
Delta R.T. 0.014 min
Lab File: 0630_10.D
Acq: 30 Jun 2021 9:22 pm

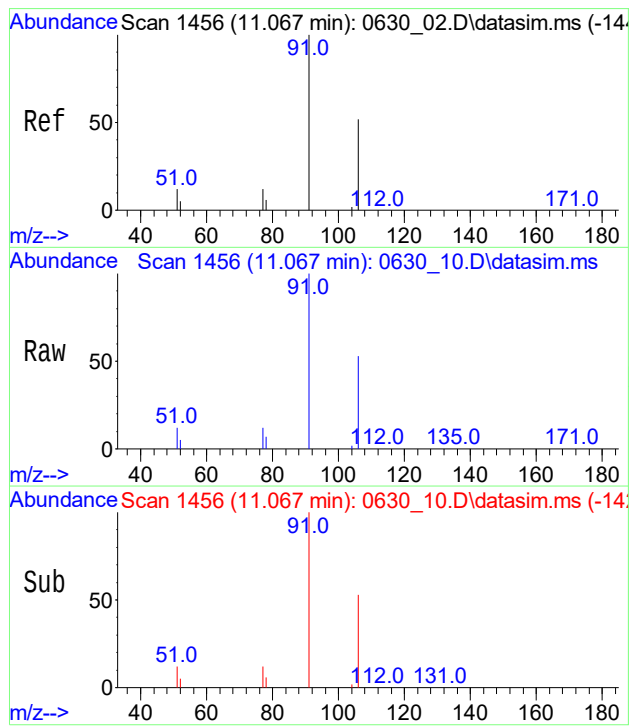
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6543		
119	99.4	77.8	116.6	
121	33.3	24.5	36.7	



#108
Ethylbenzene(sim)
Conc: 8\$ 0.347 ppb
RT: 10.882 min Scan# 1429
Delta R.T. 0.007 min
Lab File: 0630_10.D
Acq: 30 Jun 2021 9:22 pm

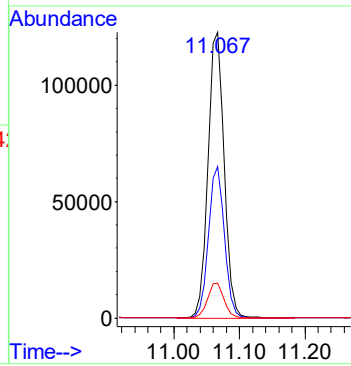
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	59035		
106	33.3	26.6	40.0	
77	8.6	7.0	10.6	





#109
 m,p-Xylene(sim)
 Conc: 8\$ 1.669 ppbv
 RT: 11.064 min Scan# 1456
 Delta R.T. 0.007 min
 Lab File: 0630_10.D
 Acq: 30 Jun 2021 9:22 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	195481		
106	51.5	46.5	56.9	
77	12.7	10.2	15.4	



Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_11.D
 Acq On : 30 Jun 2021 10:02 pm
 Operator : Keith
 Client ID : IA-DUP
 Lab ID : CI65771
 ALS Vial : 11 Sample Multiplier: 1

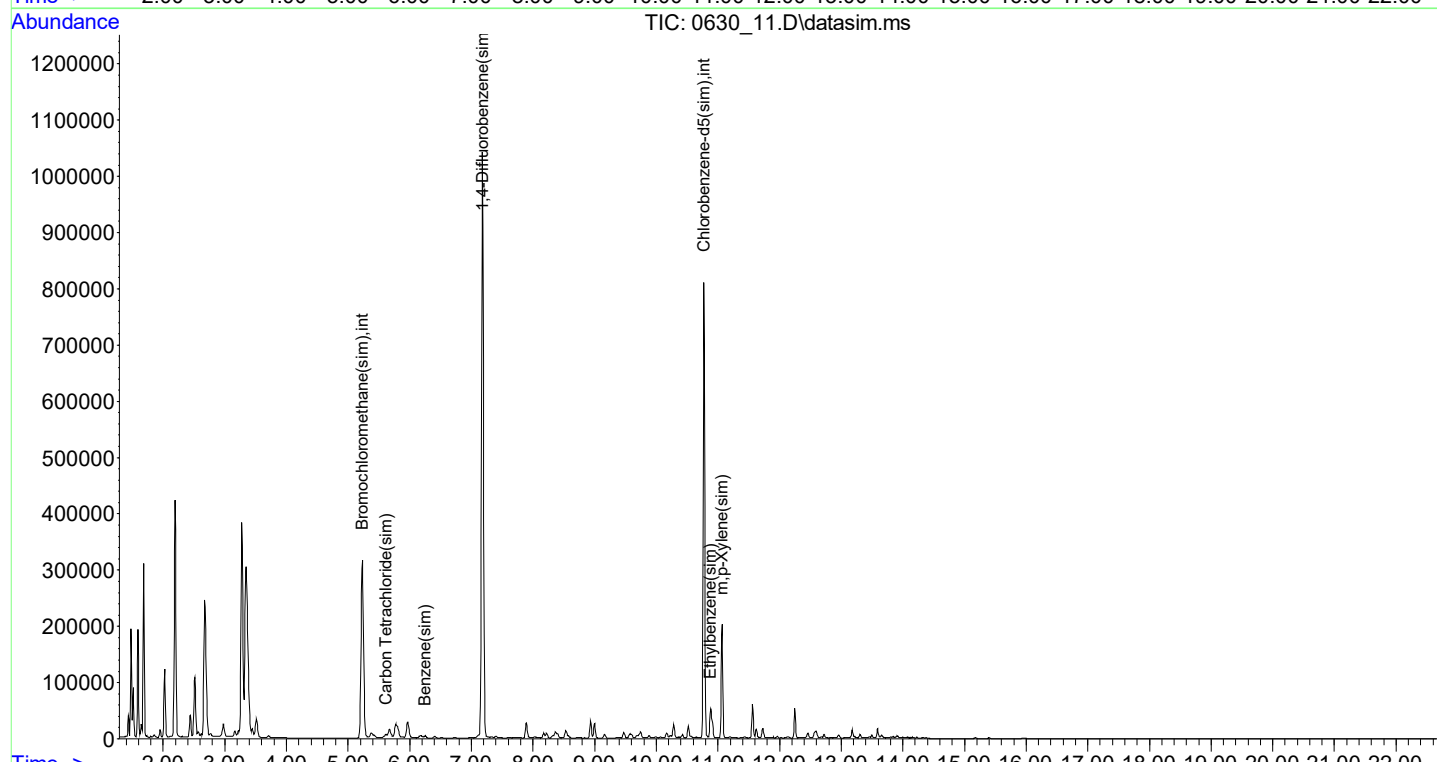
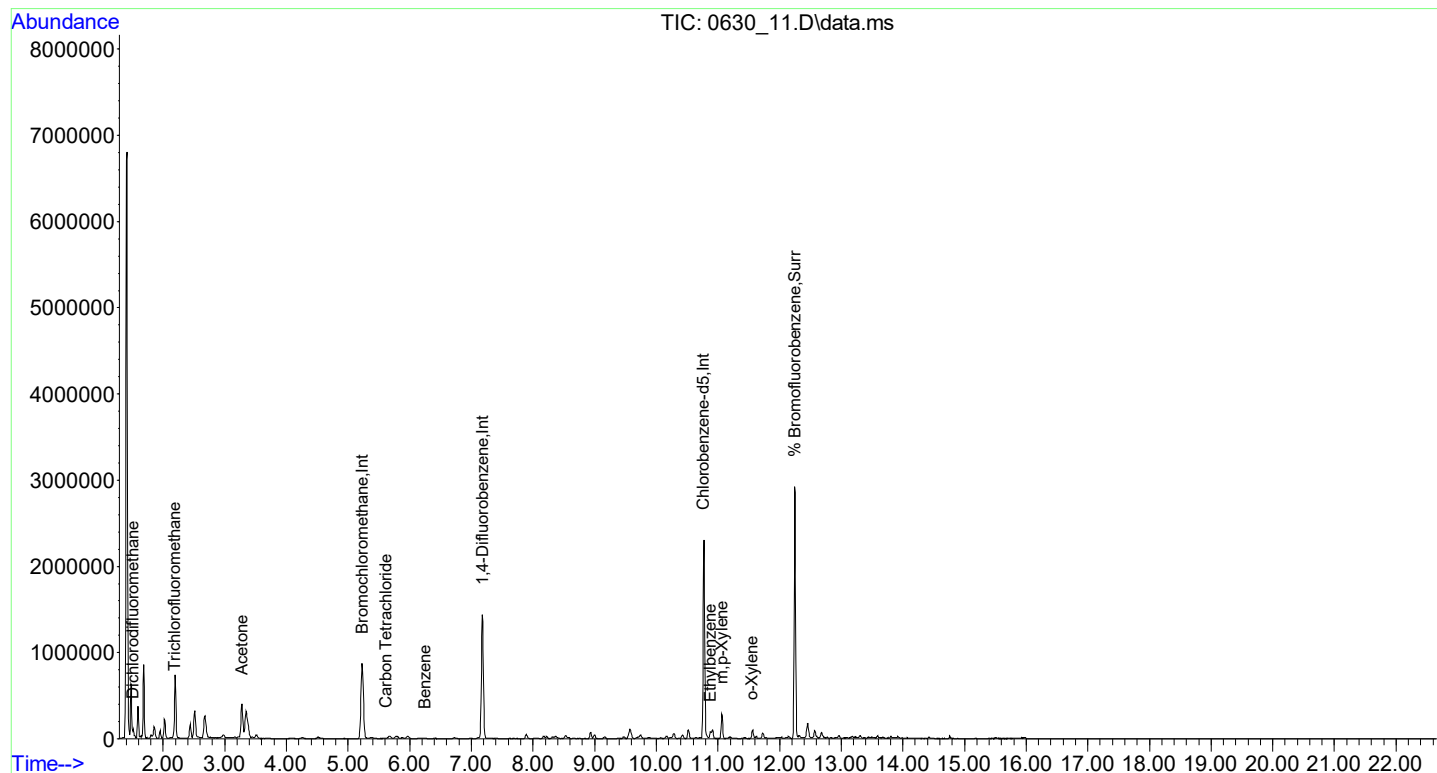
Quant Time: Jul 01 08:22:29 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

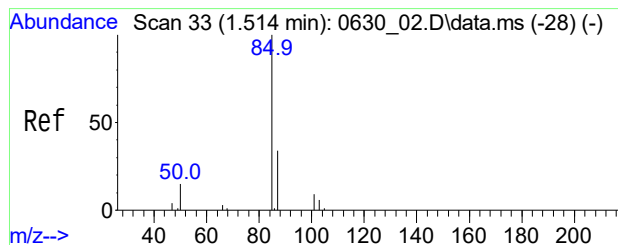
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	130	476609	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.178	114	1478804	10.000	ng	0.00
53) Chlorobenzene-d5	10.769	82	624290	10.000	ng	0.00
80) Bromochloromethane(sim)	5.233	130	466495	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.178	114	1478804	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.769	82	624290	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.245	95	881221	9.684	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.80%
Target Compounds						
3) Dichlorodifluoromethane	1.514	85	62896	0.658	ppbv	Qvalue 98
12) Acetone	3.280	43	597543	8.087	ppbv	100
13) Trichlorofluoromethane	2.185	101	87448	0.827	ppbv	99
33) Benzene	6.254	78	5903	0.063	ppbv	95
34) Carbon Tetrachloride	5.612	117	6706	0.067	ppbv	99
48) Toluene	8.997	91	23662	0.200	ppbv	99
56) Ethylbenzene	10.879	91	48031	0.297	ppbv	98
57) m,p-Xylene	11.064	91	164051	1.377	ppbv	99
61) o-Xylene	11.558	91	46541	0.372	ppbv	98
86) Benzene(sim)	6.250	78	5943	0.054	ppbv#	91
87) Carbon Tetrachloride(sim)	5.612	117	6646	0.065	ppbv	99
108) Ethylbenzene(sim)	10.882	91	51415	0.297	ppb	100
109) m,p-Xylene(sim)	11.064	91	164051	1.377	ppbv	99

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

Data Path : H:\AIR2021\CHEM24\06JUN\30\
Data File : 0630_11.D
Acq On : 30 Jun 2021 10:02 pm
Operator : Keith
Client ID : IA-DUP
Lab ID : CI65771
ALS Vial : 11 Sample Multiplier: 1

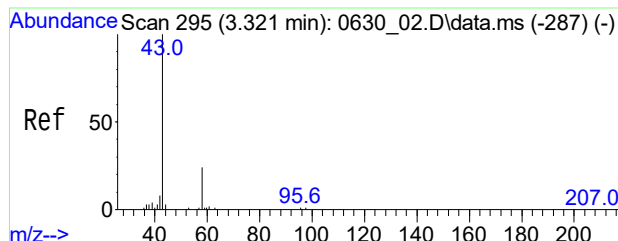
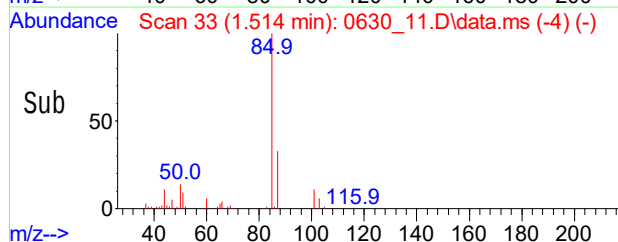
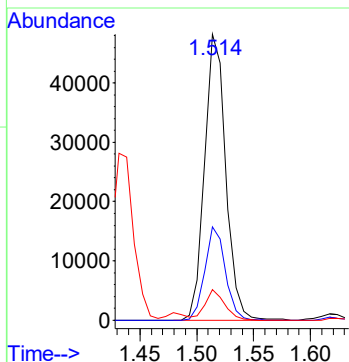
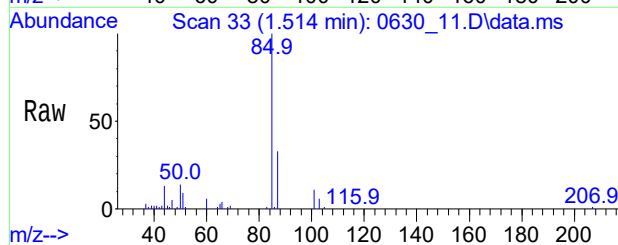
Quant Time: Jul 01 08:22:29 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Tue Jun 29 10:02:03 2021
Response via : Initial Calibration





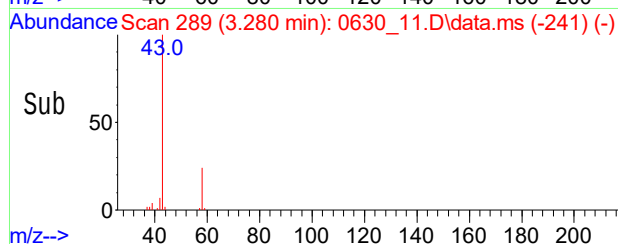
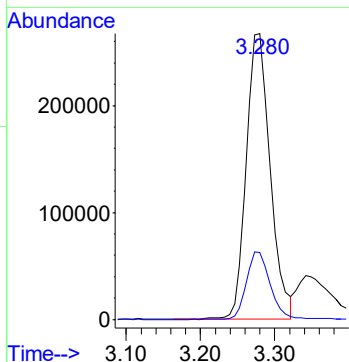
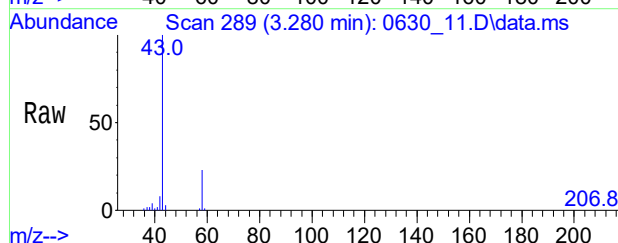
#3
Dichlorodifluoromethane
Conc: 8\$ 0.658 ppbv
RT: 1.514 min Scan# 33
Delta R.T. 0.000 min
Lab File: 0630_11.D
Acq: 30 Jun 2021 10:02 pm

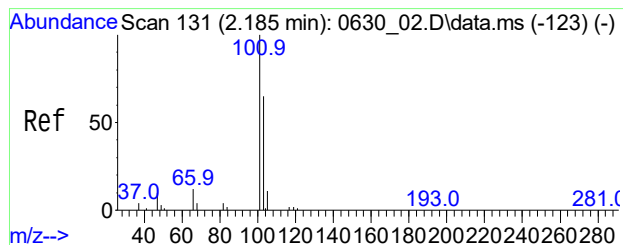
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	62896		
87	31.6	26.2	39.4	
101	9.9	8.2	12.4	



#12
Acetone
Conc: 8\$ 8.087 ppbv
RT: 3.280 min Scan# 289
Delta R.T. 0.027 min
Lab File: 0630_11.D
Acq: 30 Jun 2021 10:02 pm

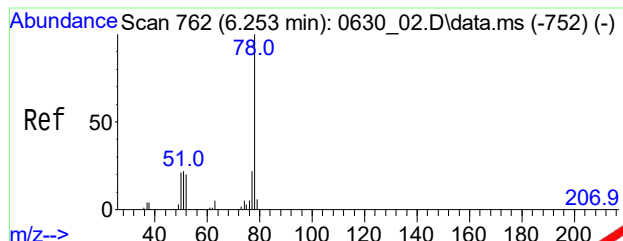
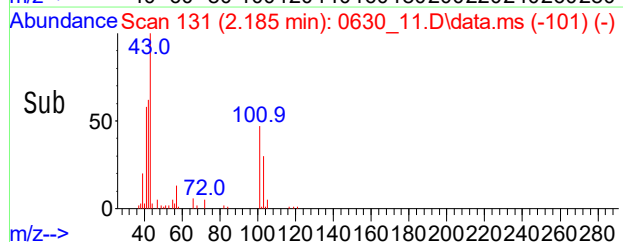
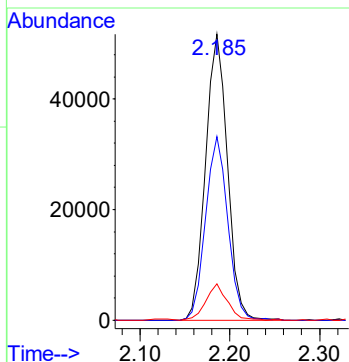
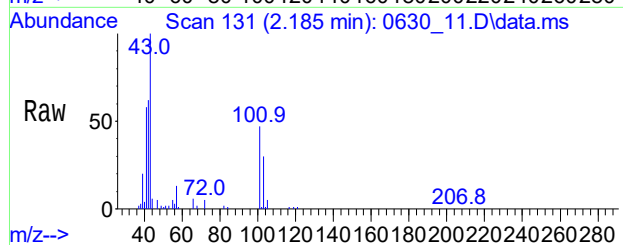
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	597543		
58	24.1	19.4	29.0	





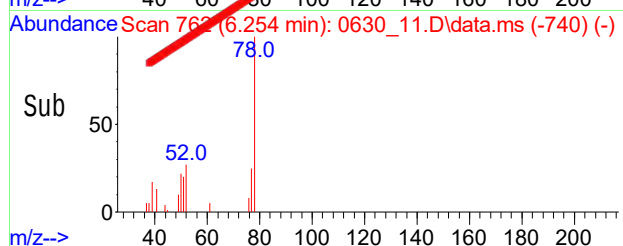
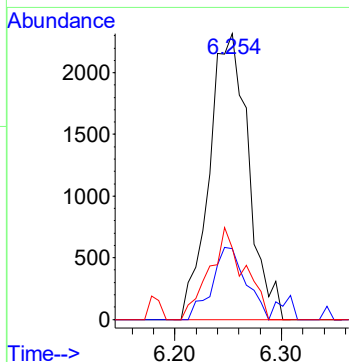
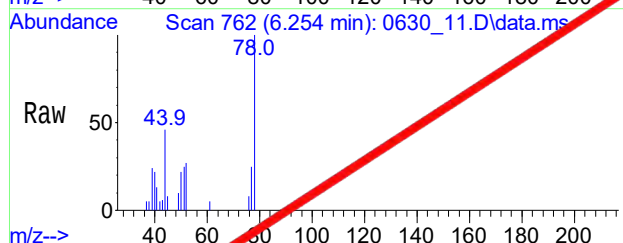
#13
Trichlorofluoromethane
Conc: 8\$ 0.827 ppbv
RT: 2.185 min Scan# 131
Delta R.T. 0.007 min
Lab File: 0630_11.D
Acq: 30 Jun 2021 10:02 pm

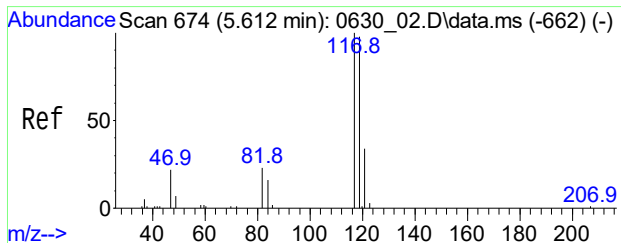
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	87448		
103	65.3	53.1	79.7	
66	12.4	10.1	15.1	



#33
Benzene
Conc: 8\$ Below Cal
RT: 6.254 min Scan# 762
Delta R.T. 0.014 min
Lab File: 0630_11.D
Acq: 30 Jun 2021 10:02 pm

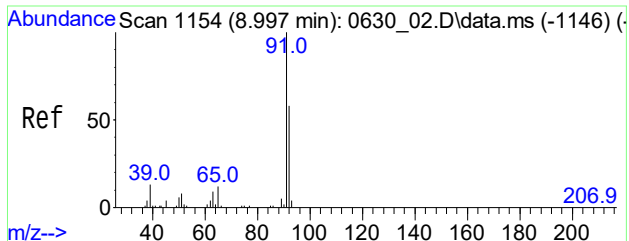
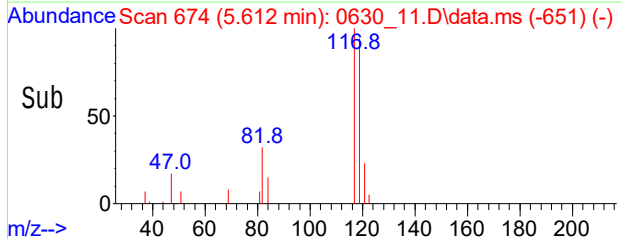
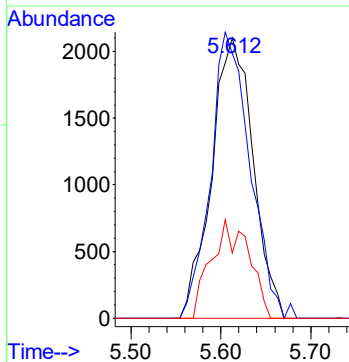
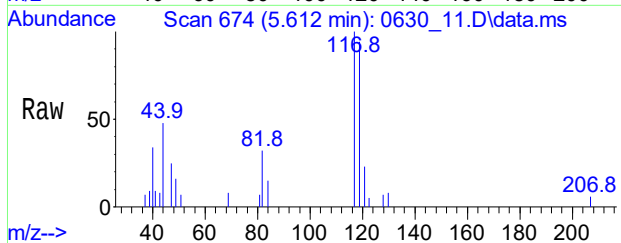
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	5903		
77	21.9	18.6	27.8	
51	28.7	20.4	30.6	





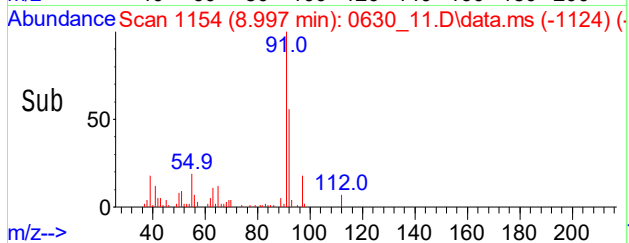
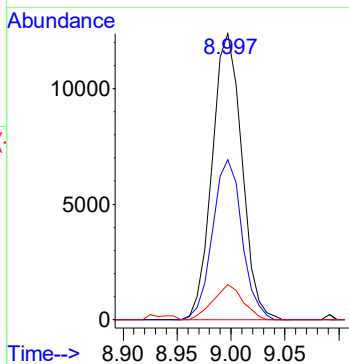
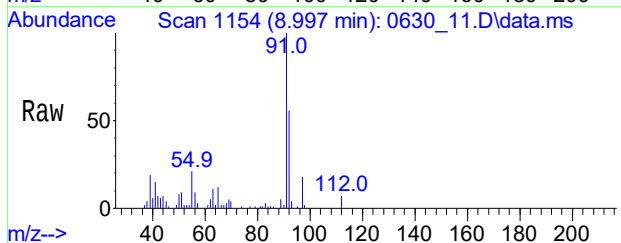
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.612 min Scan# 674
Delta R.T. 0.014 min
Lab File: 0630_11.D
Acq: 30 Jun 2021 10:02 pm

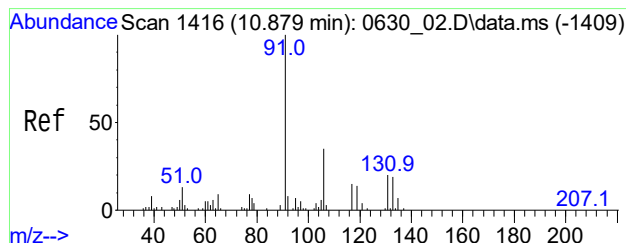
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6706		
119	97.1	77.2	117.2	
121	31.9	10.8	50.8	



#48
Toluene
Conc: 8\$ 0.200 ppbv
RT: 8.997 min Scan# 1154
Delta R.T. 0.014 min
Lab File: 0630_11.D
Acq: 30 Jun 2021 10:02 pm

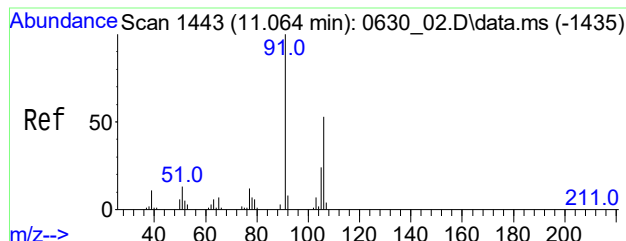
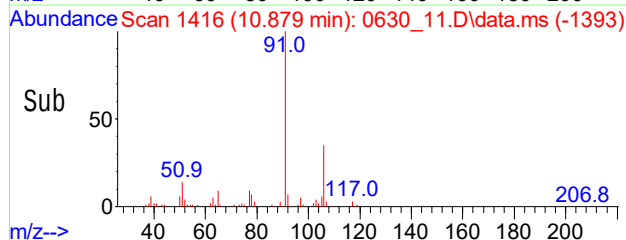
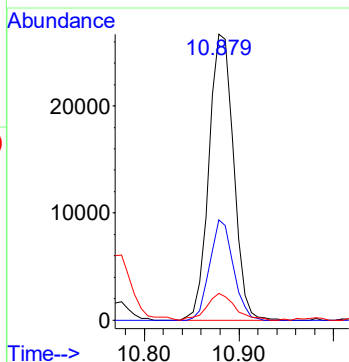
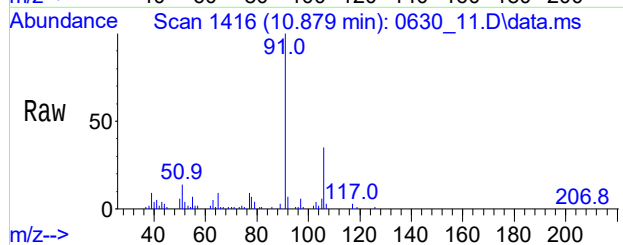
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	23662		
92	55.3	44.8	67.2	
65	12.1	9.8	14.6	





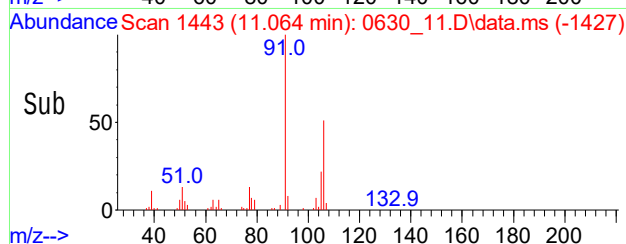
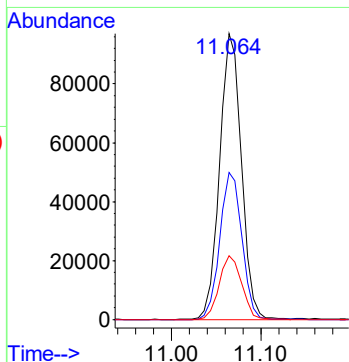
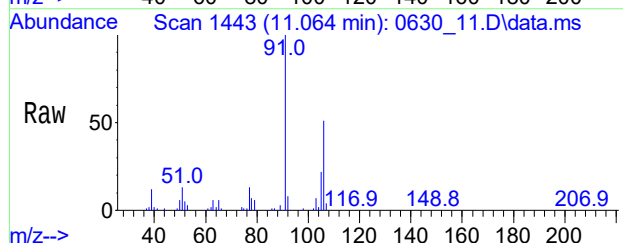
#56
Ethylbenzene
Conc: 8\$ 0.297 ppbv
RT: 10.879 min Scan# 1416
Delta R.T. 0.007 min
Lab File: 0630_11.D
Acq: 30 Jun 2021 10:02 pm

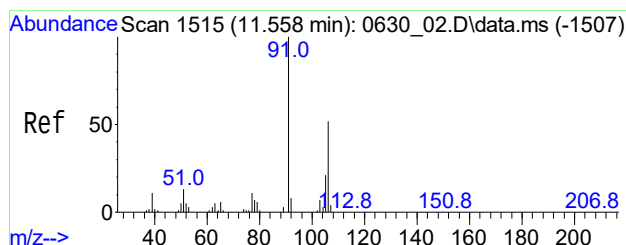
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	48031		
106	33.3	12.7	52.7	
77	10.5	0.0	28.0	



#57
m,p-Xylene
Conc: 8\$ 1.377 ppbv
RT: 11.064 min Scan# 1443
Delta R.T. 0.007 min
Lab File: 0630_11.D
Acq: 30 Jun 2021 10:02 pm

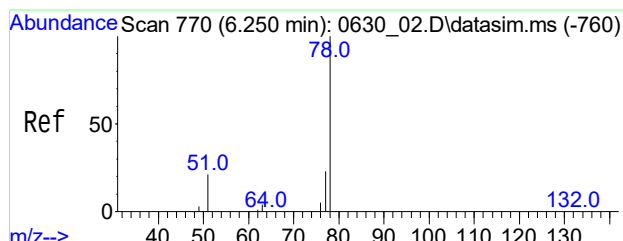
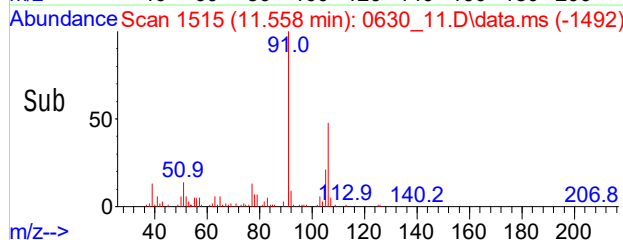
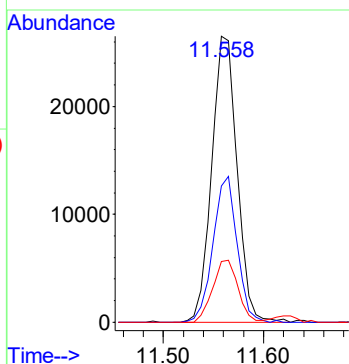
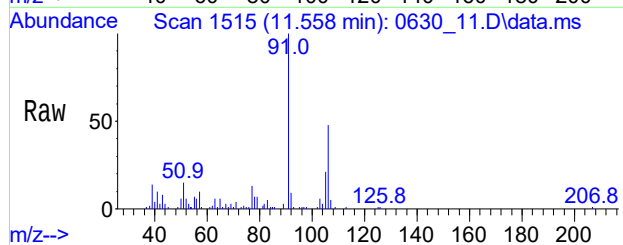
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	164051		
106	52.1	41.4	62.2	
105	23.1	19.4	29.0	





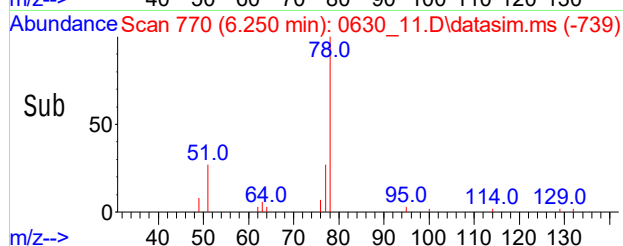
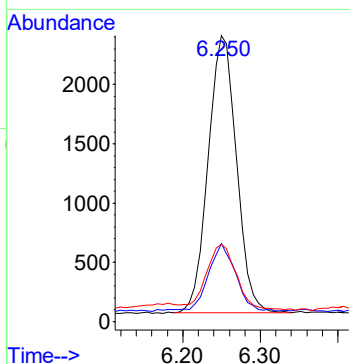
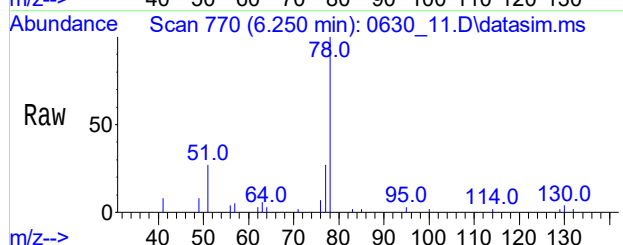
#61
o-Xylene
Conc: 8\$ 0.372 ppbv
RT: 11.558 min Scan# 1515
Delta R.T. 0.007 min
Lab File: 0630_11.D
Acq: 30 Jun 2021 10:02 pm

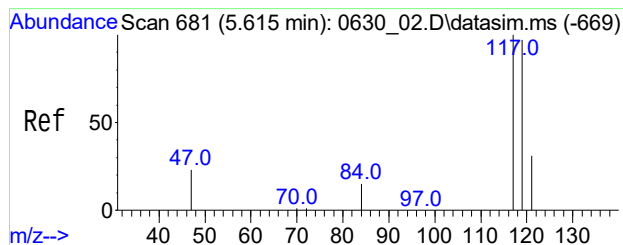
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	46541		
106	48.3	40.0	60.0	
105	21.5	17.4	26.0	



#86
Benzene(sim)
Conc: 8\$ 0.054 ppbv
RT: 6.250 min Scan# 770
Delta R.T. 0.014 min
Lab File: 0630_11.D
Acq: 30 Jun 2021 10:02 pm

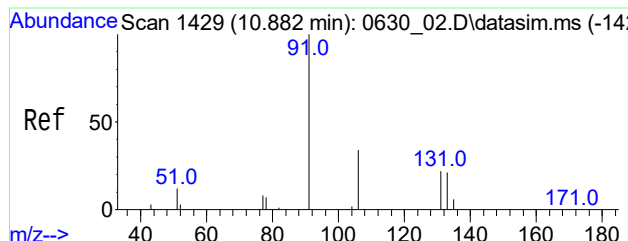
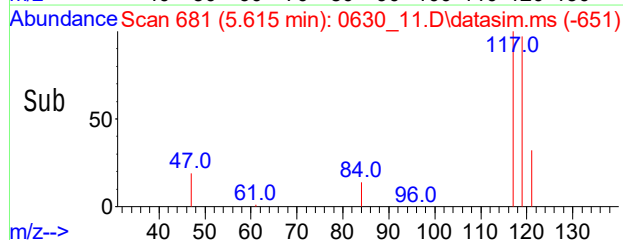
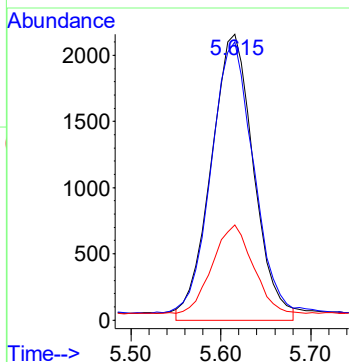
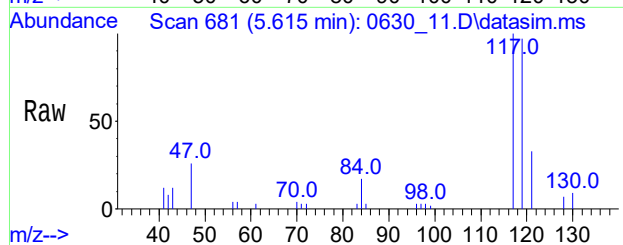
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	5943		
77	22.6	20.2	30.4	
51	29.2	18.4	27.6#	





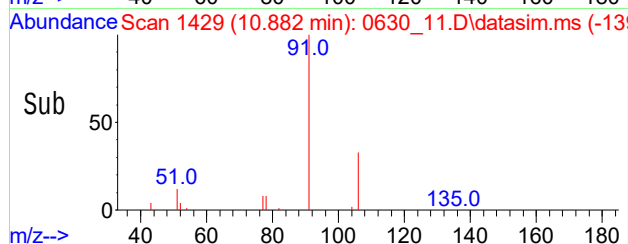
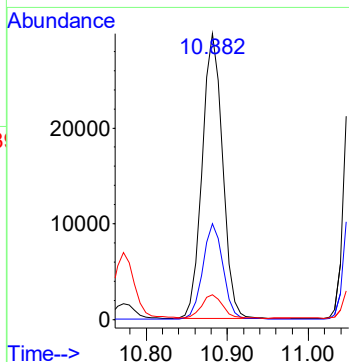
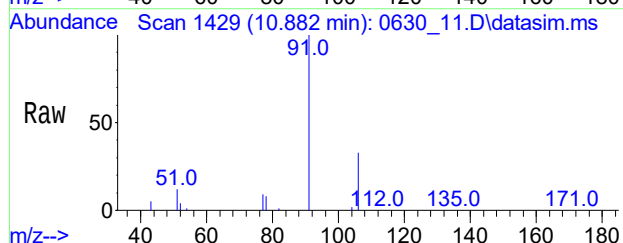
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.065 ppbv
RT: 5.612 min Scan# 681
Delta R.T. 0.014 min
Lab File: 0630_11.D
Acq: 30 Jun 2021 10:02 pm

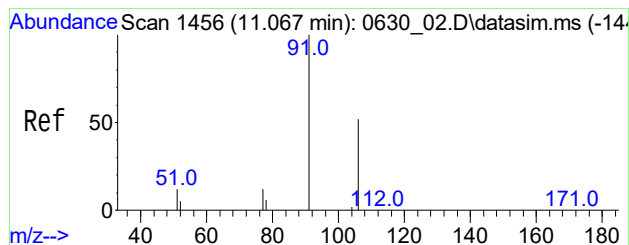
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6646		
119	98.0	77.8	116.6	
121	32.2	24.5	36.7	



#108
Ethylbenzene(sim)
Conc: 8\$ 0.297 ppb
RT: 10.882 min Scan# 1429
Delta R.T. 0.007 min
Lab File: 0630_11.D
Acq: 30 Jun 2021 10:02 pm

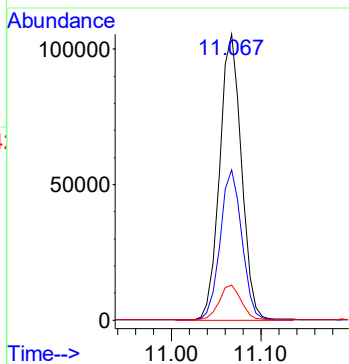
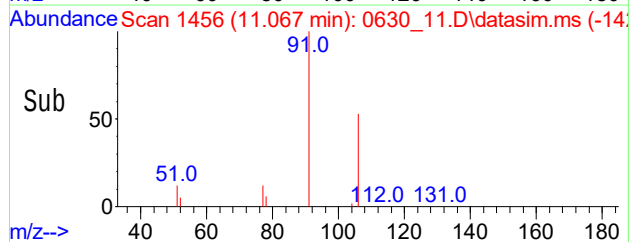
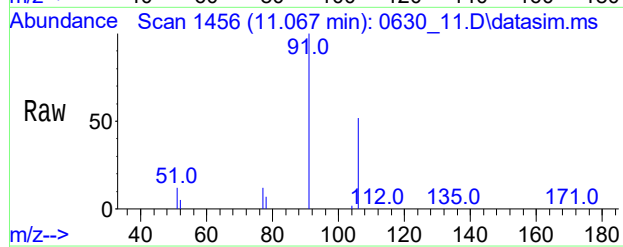
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	51415		
106	33.2	26.6	40.0	
77	8.6	7.0	10.6	





#109
 m,p-Xylene(sim)
 Conc: 8\$ 1.377 ppbv
 RT: 11.064 min Scan# 1456
 Delta R.T. 0.007 min
 Lab File: 0630_11.D
 Acq: 30 Jun 2021 10:02 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	164051		
106	52.2	46.5	56.9	
77	12.8	10.2	15.4	



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI65769	Lab Sample ID:	CI65772
Canister:	480	Lab File ID:	0630_12.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	06/30/21
Matrix:	AIR	Date Analyzed:	06/30/21
		Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_12.D
 Acq On : 30 Jun 2021 10:43 pm
 Operator : Keith
 Client ID : IA-03
 Lab ID : CI65772
 ALS Vial : 12 Sample Multiplier: 1

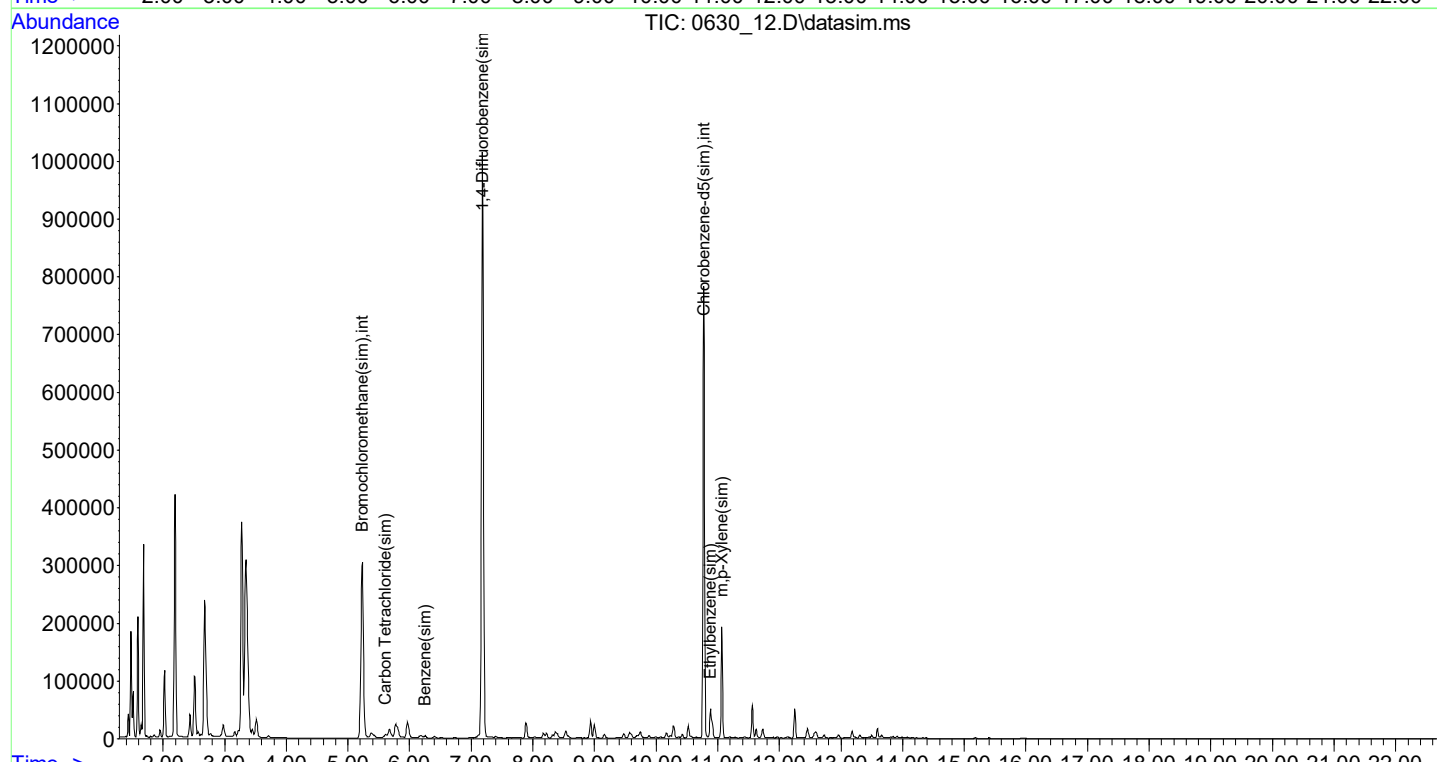
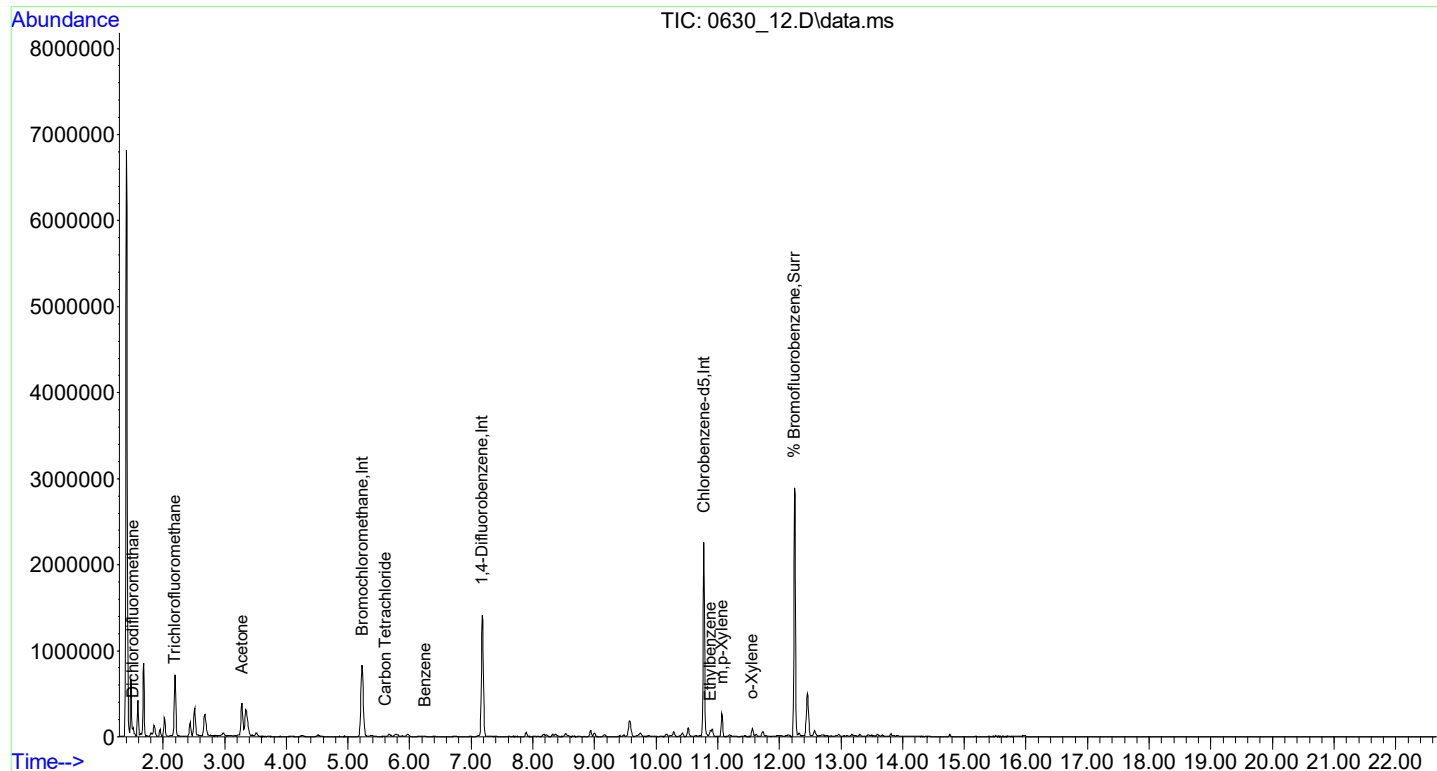
Quant Time: Jul 01 08:23:05 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

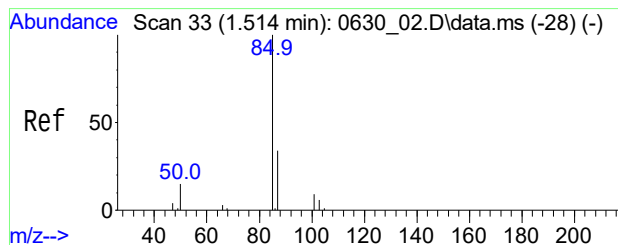
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	130	467366	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.178	114	1454730	10.000	ng	0.00
53) Chlorobenzene-d5	10.776	82	613880	10.000	ng	0.01
80) Bromochloromethane(sim)	5.233	130	458078	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.178	114	1454730	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.776	82	613880	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.246	95	880771	9.843	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.40%
Target Compounds						
3) Dichlorodifluoromethane	1.514	85	56919	0.607	ppbv	Qvalue 99
12) Acetone	3.280	43	582203	8.035	ppbv	99
13) Trichlorofluoromethane	2.185	101	83230	0.802	ppbv	98
33) Benzene	6.254	78	5548	0.060	ppbv#	86
34) Carbon Tetrachloride	5.605	117	6567	0.067	ppbv	98
56) Ethylbenzene	10.879	91	44220	0.278	ppbv	94
57) m,p-Xylene	11.064	91	151491	1.294	ppbv	99
61) o-Xylene	11.558	91	42808	0.348	ppbv	100
86) Benzene(sim)	6.250	78	5818	0.054	ppbv	96
87) Carbon Tetrachloride(sim)	5.605	117	6567	0.065	ppbv	98
108) Ethylbenzene(sim)	10.882	91	49308	0.289	ppb	99
109) m,p-Xylene(sim)	11.064	91	151491	1.293	ppbv	99

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

Data Path : H:\AIR2021\CHEM24\06JUN\30\
Data File : 0630_12.D
Acq On : 30 Jun 2021 10:43 pm
Operator : Keith
Client ID : IA-03
Lab ID : CI65772
ALS Vial : 12 Sample Multiplier: 1

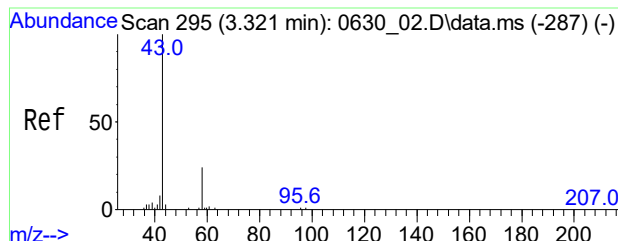
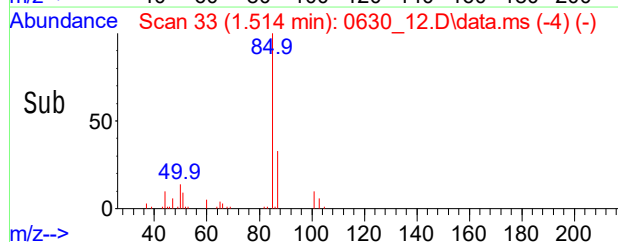
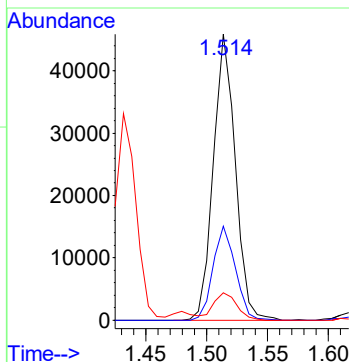
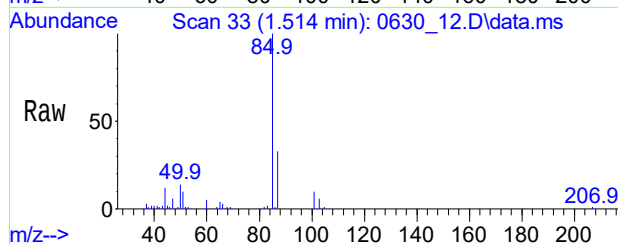
Quant Time: Jul 01 08:23:05 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Tue Jun 29 10:02:03 2021
Response via : Initial Calibration





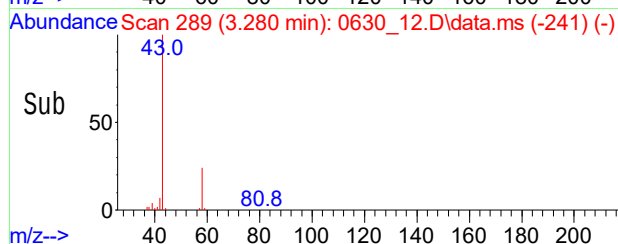
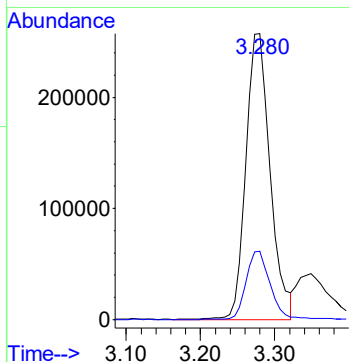
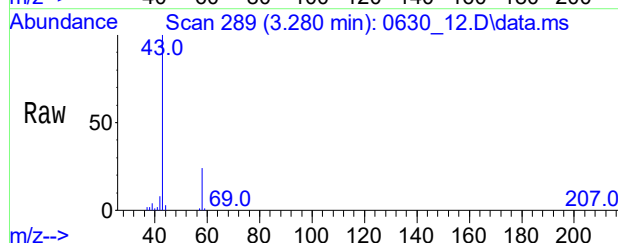
#3
Dichlorodifluoromethane
Conc: 8\$ 0.607 ppbv
RT: 1.514 min Scan# 33
Delta R.T. 0.000 min
Lab File: 0630_12.D
Acq: 30 Jun 2021 10:43 pm

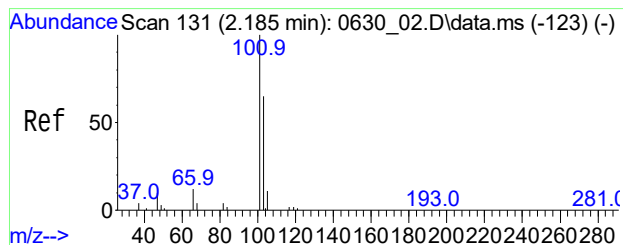
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	56919		
87	33.5	26.2	39.4	
101	10.1	8.2	12.4	



#12
Acetone
Conc: 8\$ 8.035 ppbv
RT: 3.280 min Scan# 289
Delta R.T. 0.027 min
Lab File: 0630_12.D
Acq: 30 Jun 2021 10:43 pm

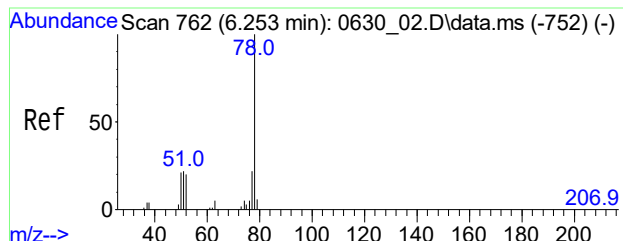
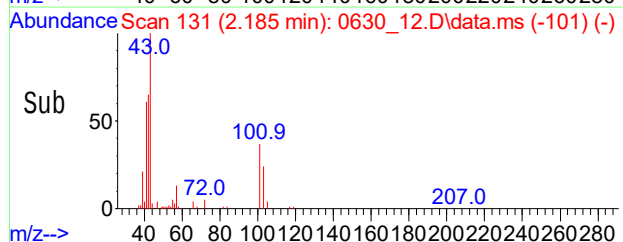
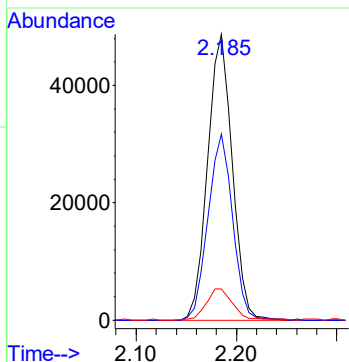
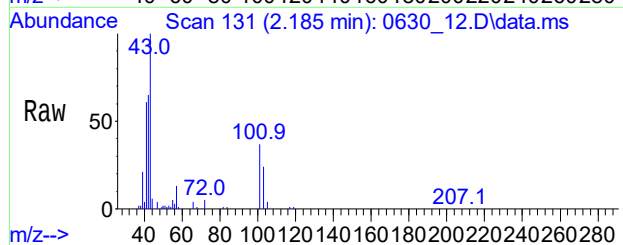
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	582203		
58	23.9	19.4	29.0	





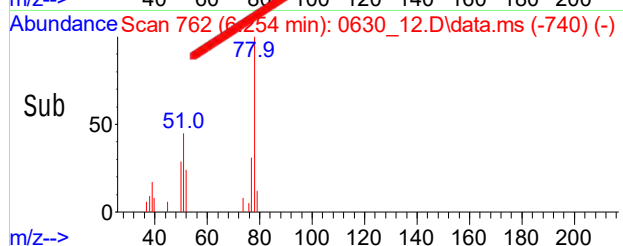
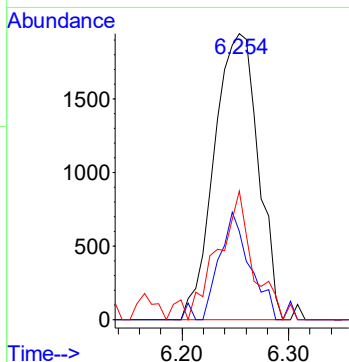
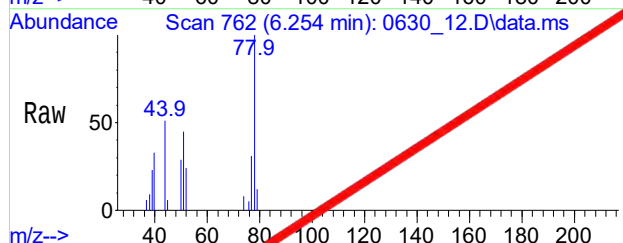
#13
Trichlorofluoromethane
Conc: 8\$ 0.802 ppbv
RT: 2.185 min Scan# 131
Delta R.T. 0.007 min
Lab File: 0630_12.D
Acq: 30 Jun 2021 10:43 pm

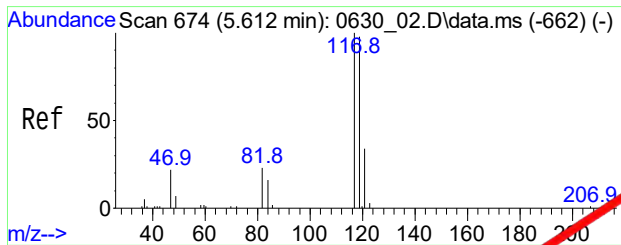
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	83230		
103	64.8	53.1	79.7	
66	12.0	10.1	15.1	



#33
Benzene
Conc: 8\$ Below Cal
RT: 6.254 min Scan# 762
Delta R.T. 0.014 min
Lab File: 0630_12.D
Acq: 30 Jun 2021 10:43 pm

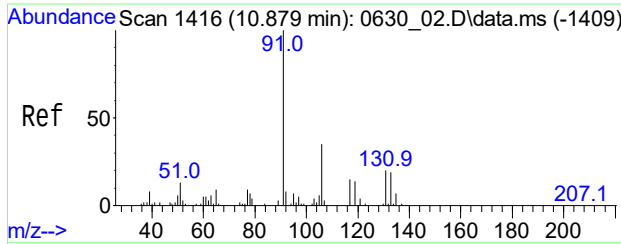
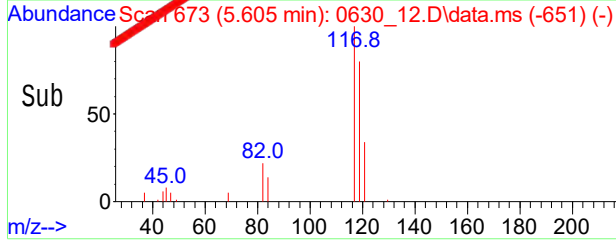
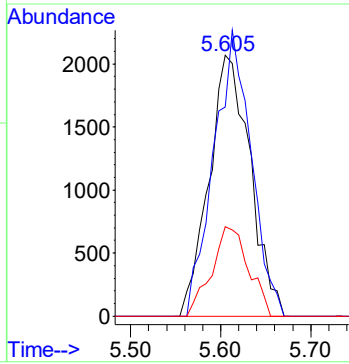
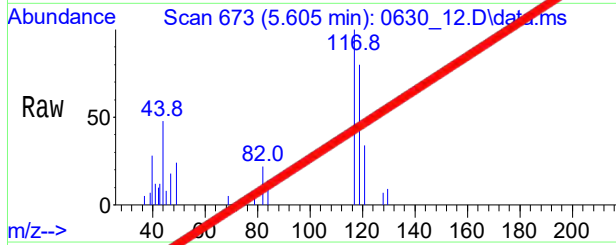
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	5548		
77	26.0	18.6	27.8	
51	35.9	20.4	30.6#	





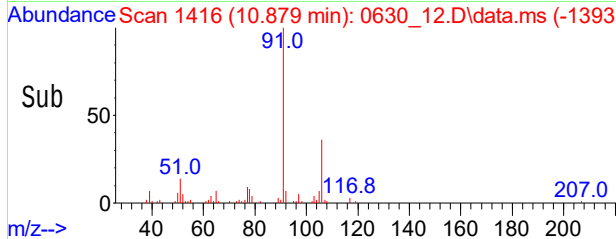
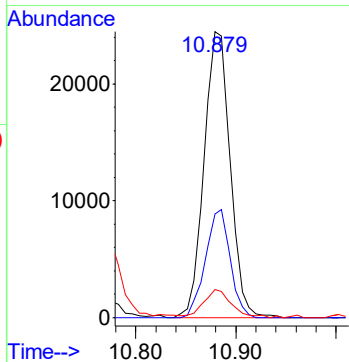
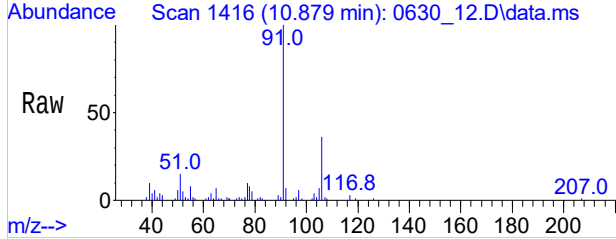
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.605 min Scan# 673
Delta R.T. 0.007 min
Lab File: 0630_12.D
Acq: 30 Jun 2021 10:43 pm

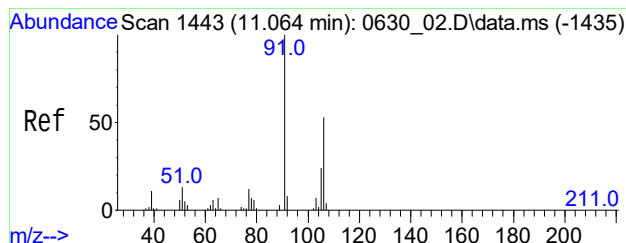
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6567		
119	99.5	77.2	117.2	
121	30.7	10.8	50.8	



#56
Ethylbenzene
Conc: 8\$ 0.278 ppbv
RT: 10.879 min Scan# 1416
Delta R.T. 0.007 min
Lab File: 0630_12.D
Acq: 30 Jun 2021 10:43 pm

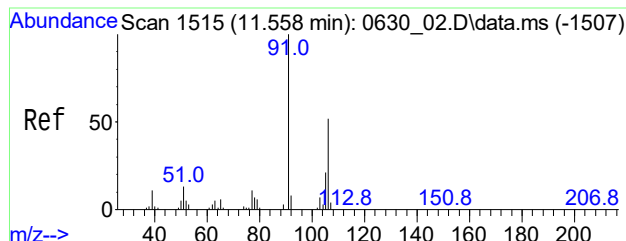
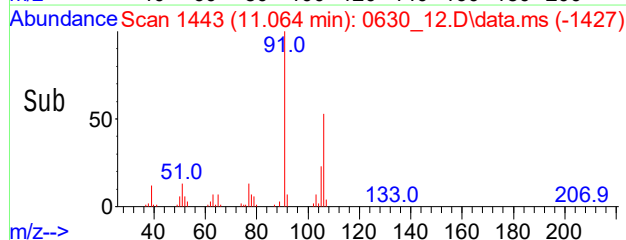
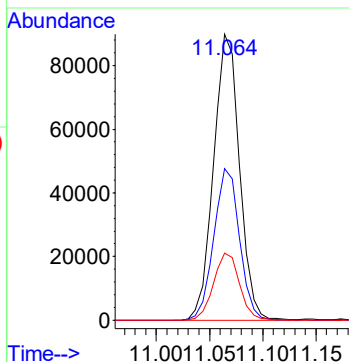
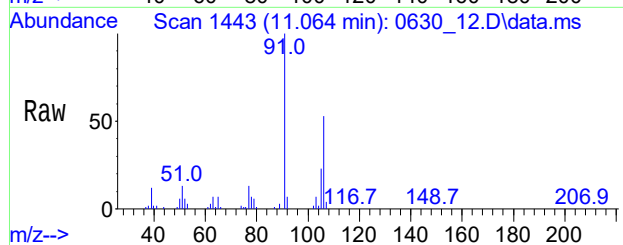
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	44220		
106	35.7	12.7	52.7	
77	10.4	0.0	28.0	





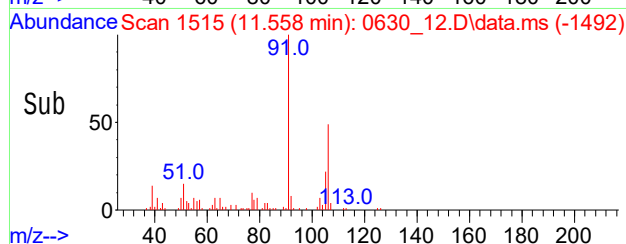
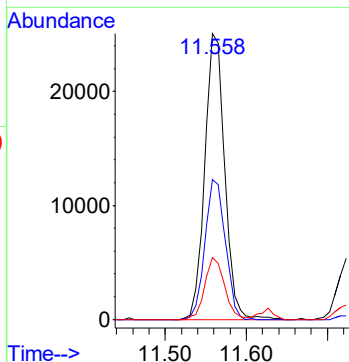
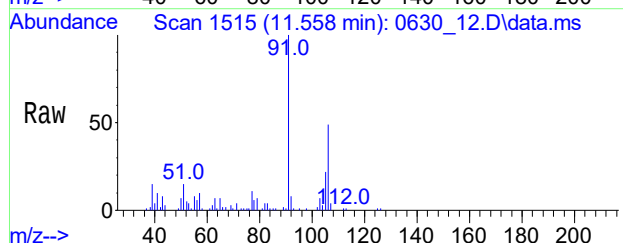
#57
m,p-Xylene
Conc: 8\$ 1.294 ppbv
RT: 11.064 min Scan# 1443
Delta R.T. 0.007 min
Lab File: 0630_12.D
Acq: 30 Jun 2021 10:43 pm

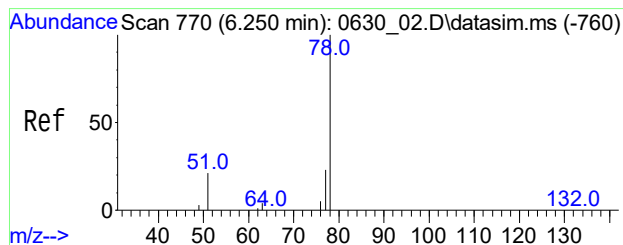
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	151491		
106	52.7	41.4	62.2	
105	23.5	19.4	29.0	



#61
o-Xylene
Conc: 8\$ 0.348 ppbv
RT: 11.558 min Scan# 1515
Delta R.T. 0.007 min
Lab File: 0630_12.D
Acq: 30 Jun 2021 10:43 pm

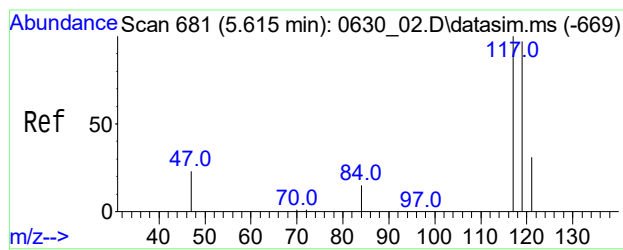
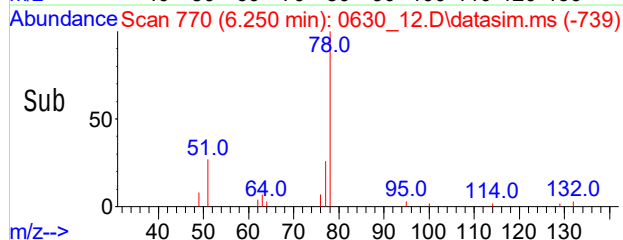
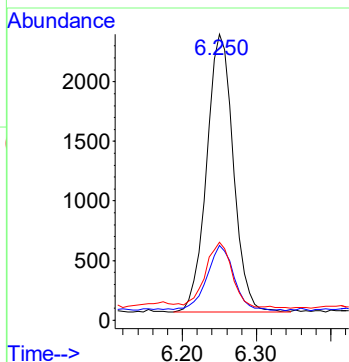
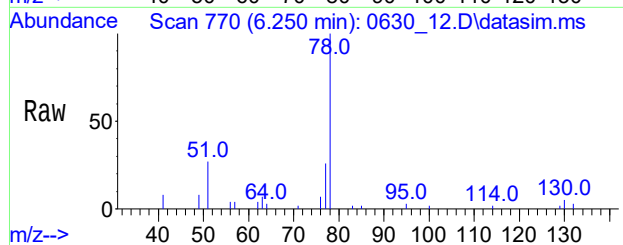
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	42808		
106	50.2	40.0	60.0	
105	21.6	17.4	26.0	





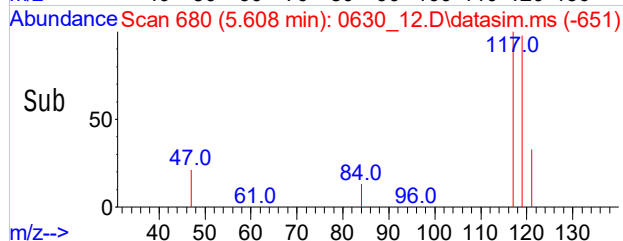
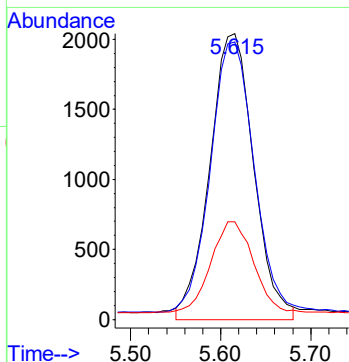
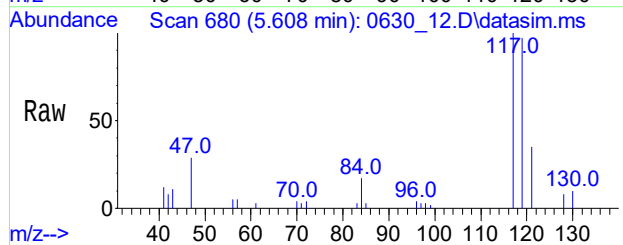
#86
Benzene(sim)
Conc: 8\$ 0.054 ppbv
RT: 6.250 min Scan# 770
Delta R.T. 0.014 min
Lab File: 0630_12.D
Acq: 30 Jun 2021 10:43 pm

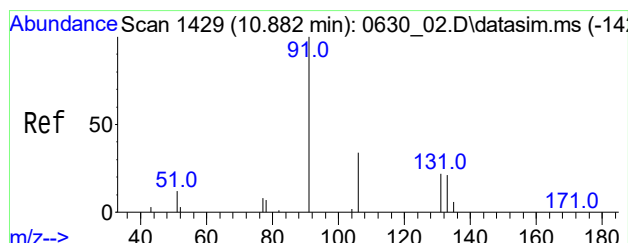
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	5818		
77	24.0	20.2	30.4	
51	25.6	18.4	27.6	



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.065 ppbv
RT: 5.605 min Scan# 680
Delta R.T. 0.007 min
Lab File: 0630_12.D
Acq: 30 Jun 2021 10:43 pm

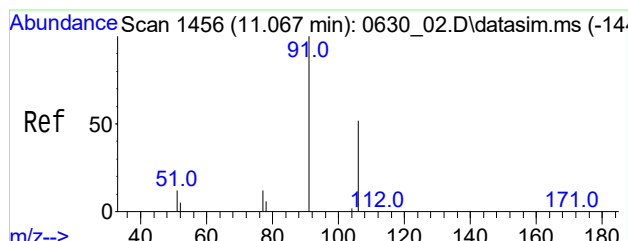
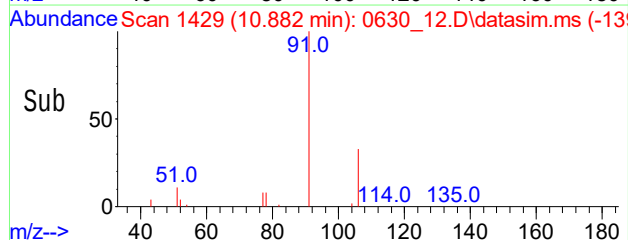
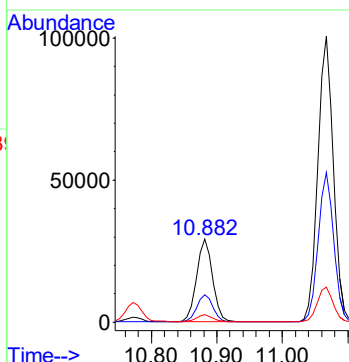
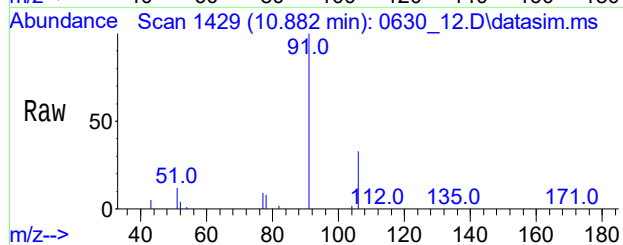
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6567		
119	99.5	77.8	116.6	
121	30.7	24.5	36.7	





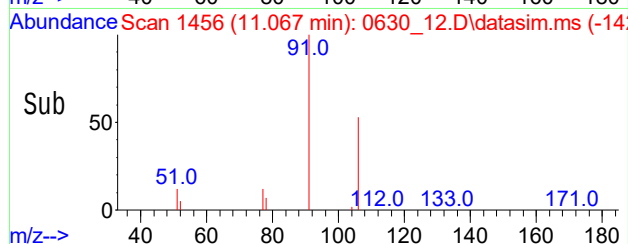
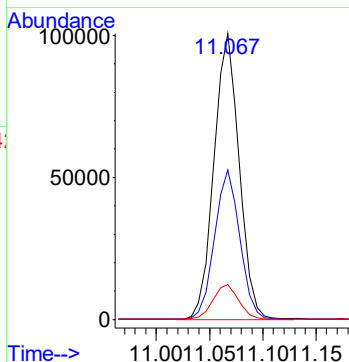
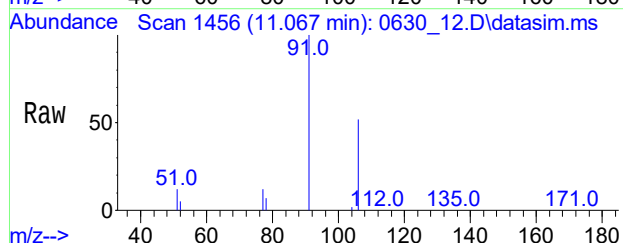
#108
Ethylbenzene(sim)
Conc: 8\$ 0.289 ppb
RT: 10.882 min Scan# 1429
Delta R.T. 0.007 min
Lab File: 0630_12.D
Acq: 30 Jun 2021 10:43 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	49308		
106	33.1	26.6	40.0	
77	8.5	7.0	10.6	



#109
m,p-Xylene(sim)
Conc: 8\$ 1.293 ppbv
RT: 11.064 min Scan# 1456
Delta R.T. 0.007 min
Lab File: 0630_12.D
Acq: 30 Jun 2021 10:43 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	151491		
106	52.7	46.5	56.9	
77	12.8	10.2	15.4	



Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_13.D
 Acq On : 30 Jun 2021 11:23 pm
 Operator : Keith
 Client ID : IA-06
 Lab ID : CI65773
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 01 08:23:38 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

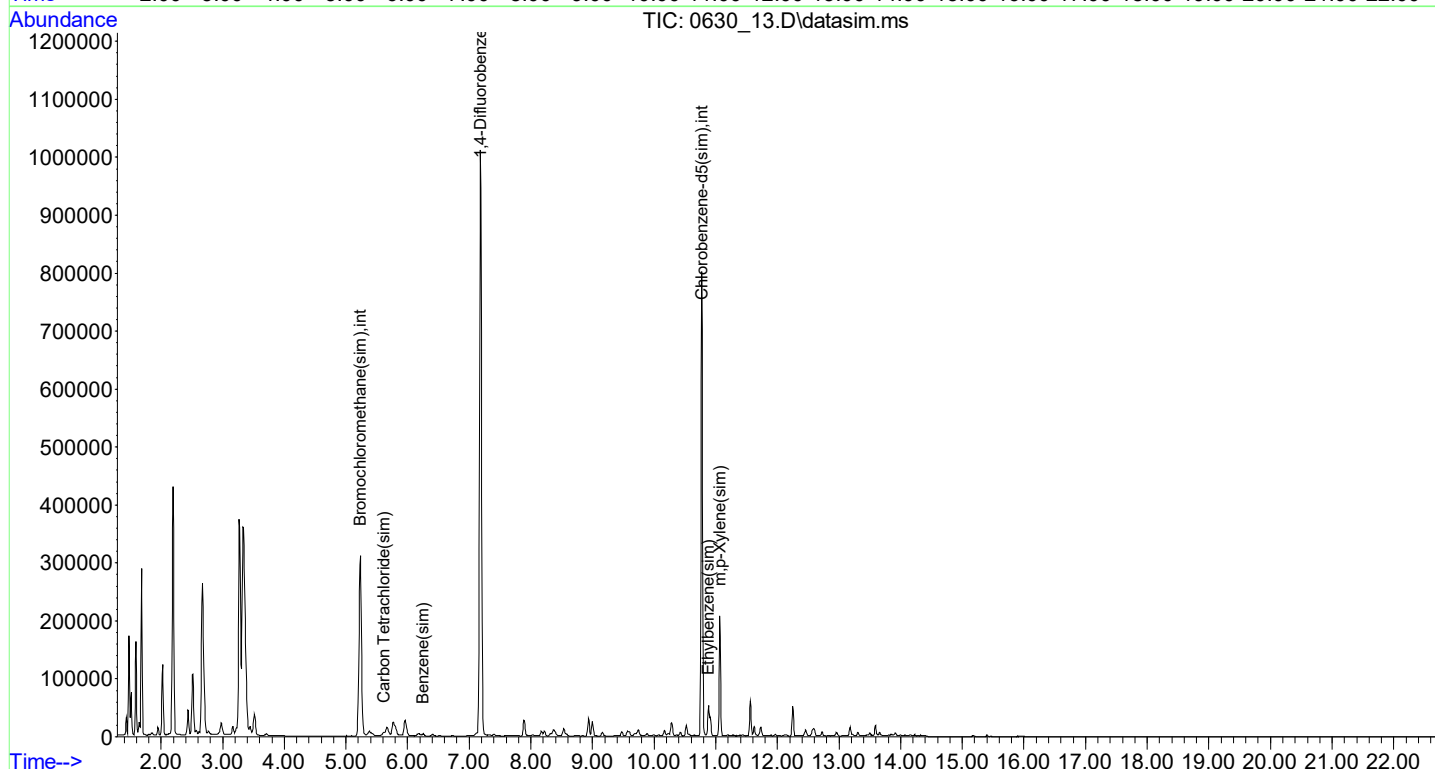
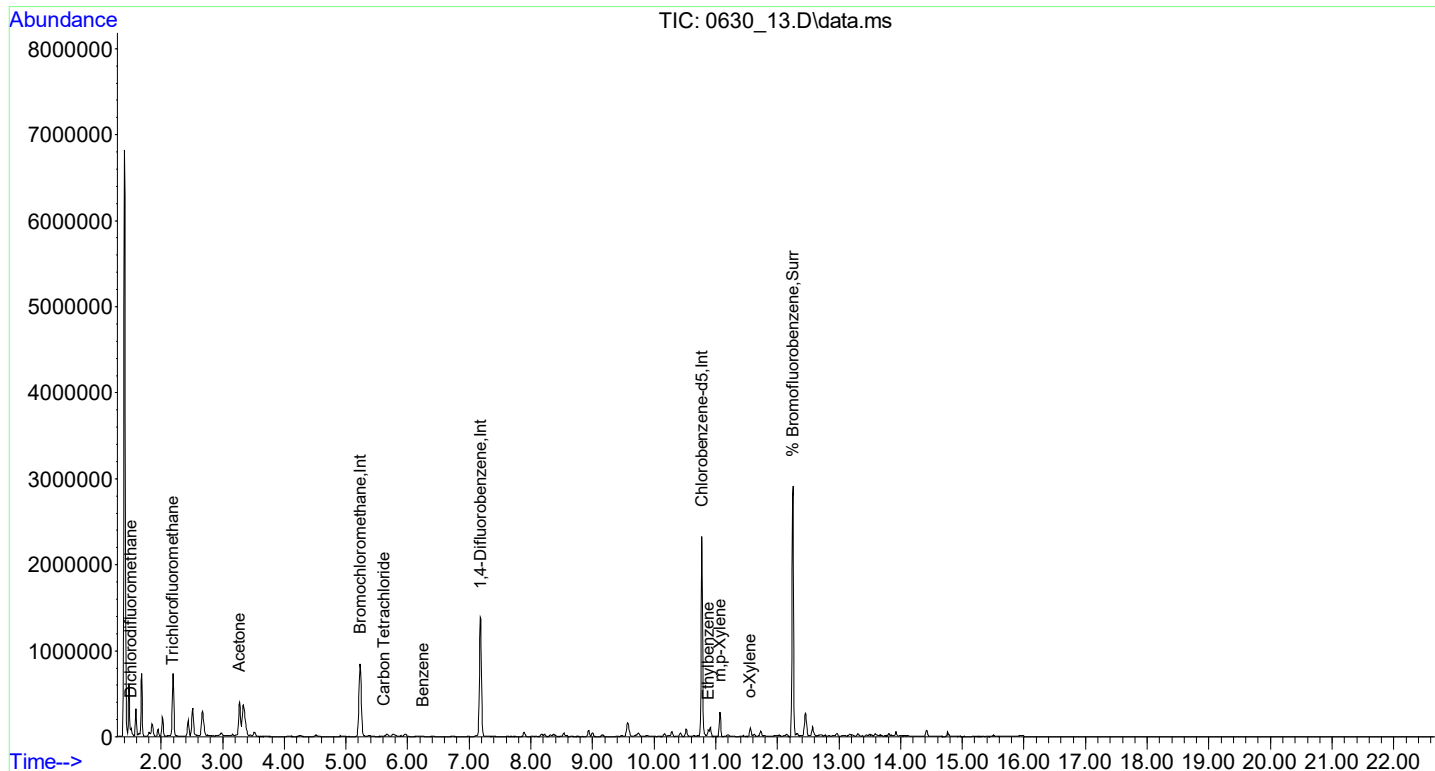
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	130	468574	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.185	114	1455762	10.000	ng	0.01
53) Chlorobenzene-d5	10.776	82	611970	10.000	ng	0.01
80) Bromochloromethane(sim)	5.233	130	459695	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.185	114	1455762	10.000	ng	0.01
105) Chlorobenzene-d5(sim)	10.776	82	611970	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.252	95	890725	9.985	ppbv	0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.90%
Target Compounds						
3) Dichlorodifluoromethane	1.514	85	52669	0.560	ppbv	Qvalue 99
12) Acetone	3.273	43	591643	8.145	ppbv	98
13) Trichlorofluoromethane	2.185	101	83482	0.803	ppbv	100
33) Benzene	6.254	78	5507	0.060	ppbv#	89
34) Carbon Tetrachloride	5.612	117	6723	0.068	ppbv	96
48) Toluene	8.997	91	23333	0.200	ppbv	98
56) Ethylbenzene	10.879	91	46548	0.293	ppbv	97
57) m,p-Xylene	11.064	91	165457	1.417	ppbv	99
61) o-Xylene	11.558	91	46108	0.376	ppbv	98
86) Benzene(sim)	6.250	78	5757	0.053	ppbv#	73
87) Carbon Tetrachloride(sim)	5.612	117	6723	0.067	ppbv	95
108) Ethylbenzene(sim)	10.882	91	50525	0.298	ppb	100
109) m,p-Xylene(sim)	11.064	91	165457	1.416	ppbv	99

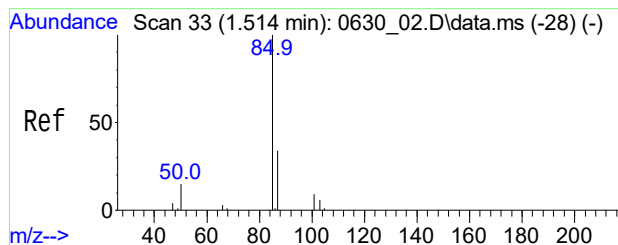
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_13.D
 Acq On : 30 Jun 2021 11:23 pm
 Operator : Keith
 Client ID : IA-06
 Lab ID : CI65773
 ALS Vial : 13 Sample Multiplier: 1

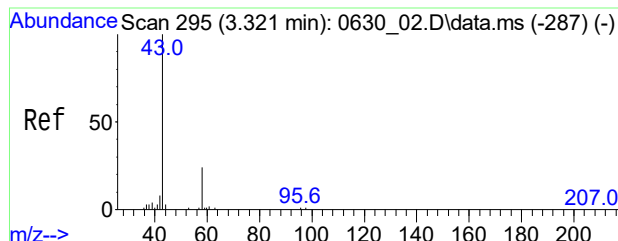
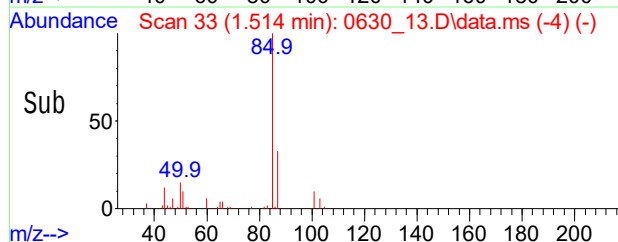
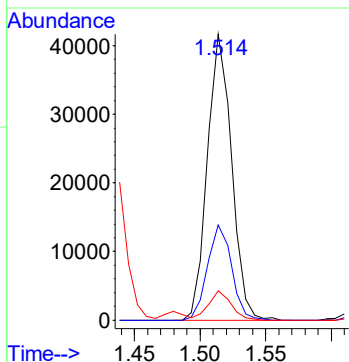
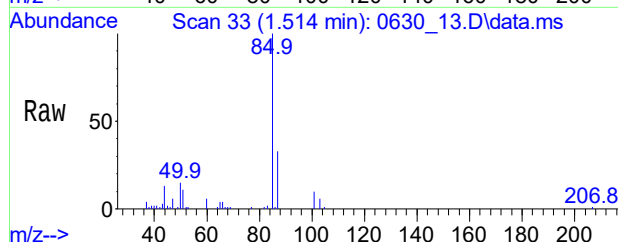
Quant Time: Jul 01 08:23:38 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration





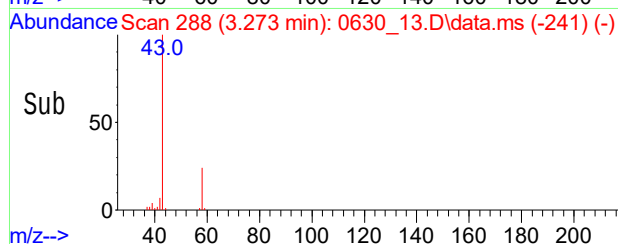
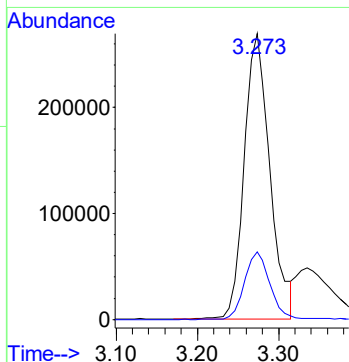
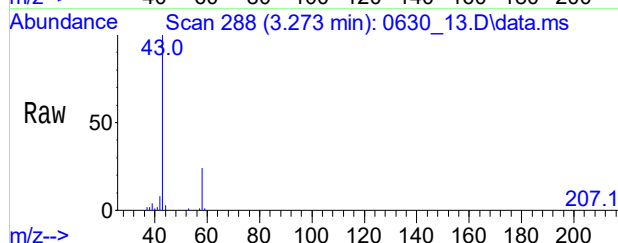
#3
Dichlorodifluoromethane
Conc: 8\$ 0.560 ppbv
RT: 1.514 min Scan# 33
Delta R.T. 0.000 min
Lab File: 0630_13.D
Acq: 30 Jun 2021 11:23 pm

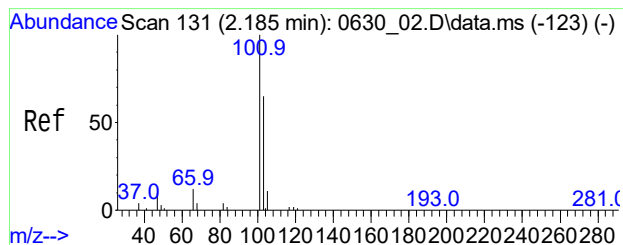
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	52669		
87	33.1	26.2	39.4	
101	9.6	8.2	12.4	



#12
Acetone
Conc: 8\$ 8.145 ppbv
RT: 3.273 min Scan# 288
Delta R.T. 0.021 min
Lab File: 0630_13.D
Acq: 30 Jun 2021 11:23 pm

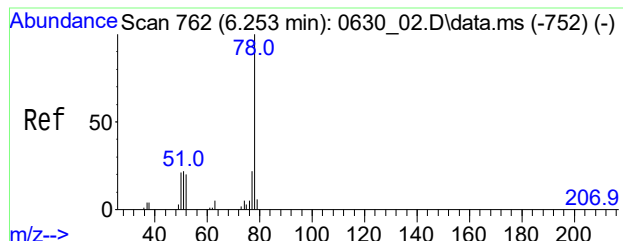
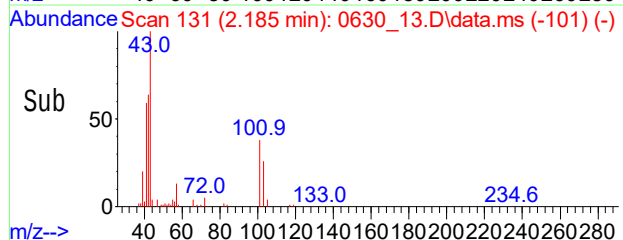
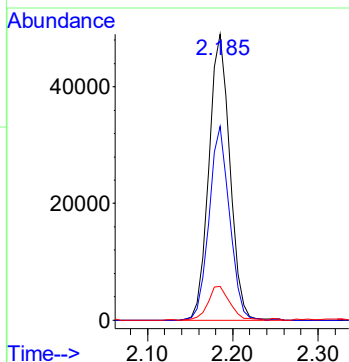
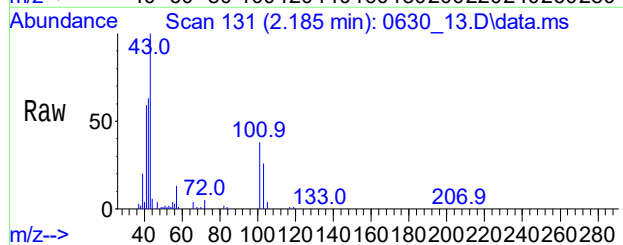
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	591643		
58	23.4	19.4	29.0	





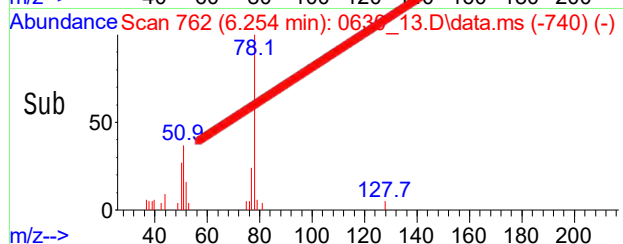
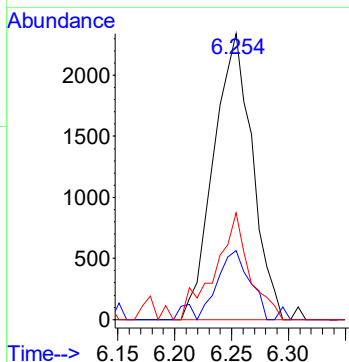
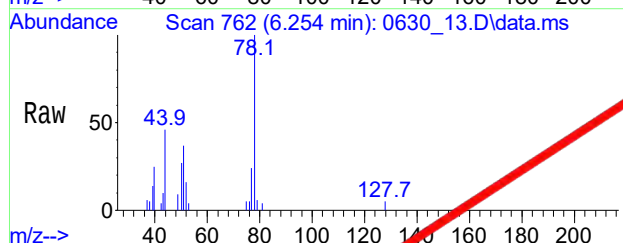
#13
Trichlorofluoromethane
Conc: 8\$ 0.803 ppbv
RT: 2.185 min Scan# 131
Delta R.T. 0.007 min
Lab File: 0630_13.D
Acq: 30 Jun 2021 11:23 pm

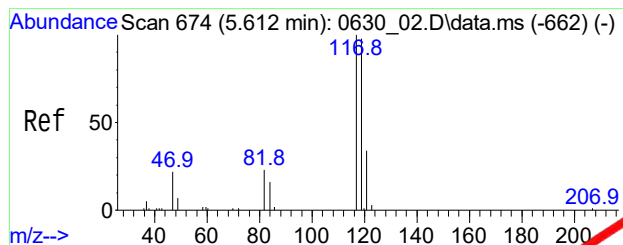
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	83482		
103	66.2	53.1	79.7	
66	12.4	10.1	15.1	



#33
Benzene
Conc: 8\$ Below Cal
RT: 6.254 min Scan# 762
Delta R.T. 0.014 min
Lab File: 0630_13.D
Acq: 30 Jun 2021 11:23 pm

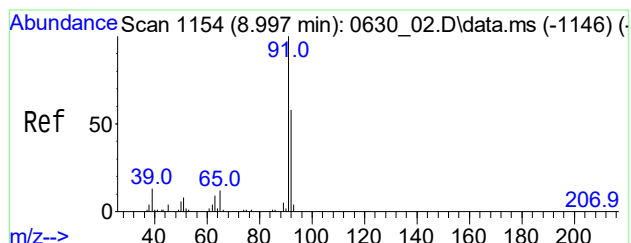
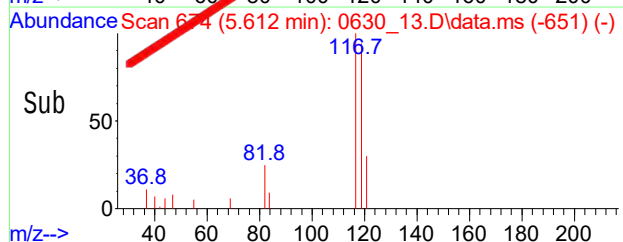
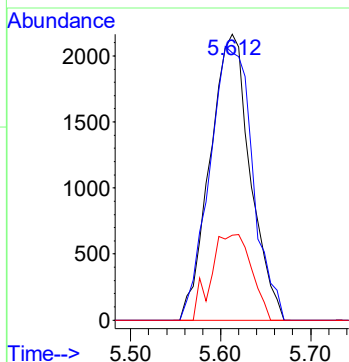
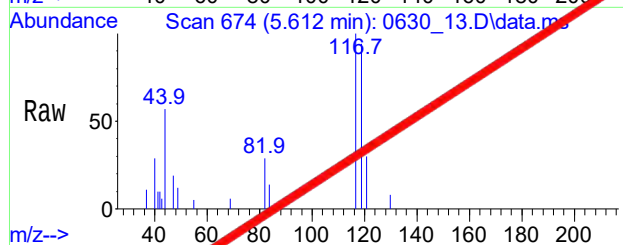
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	5507		
77	20.0	18.6	27.8	
51	32.8	20.4	30.6#	





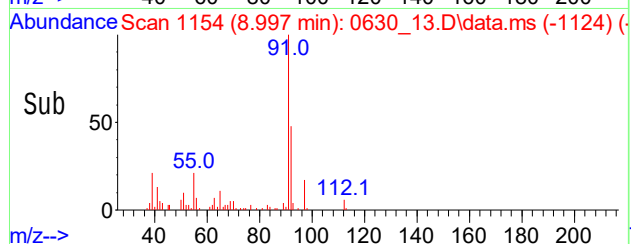
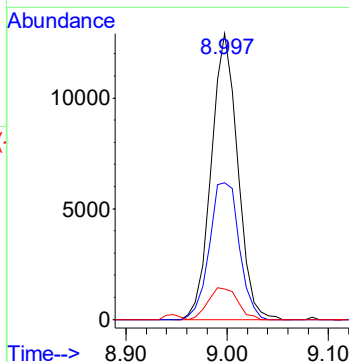
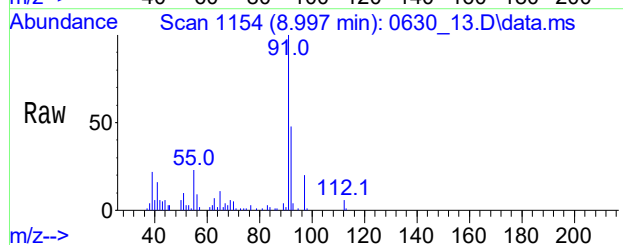
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.612 min Scan# 674
Delta R.T. 0.015 min
Lab File: 0630_13.D
Acq: 30 Jun 2021 11:23 pm

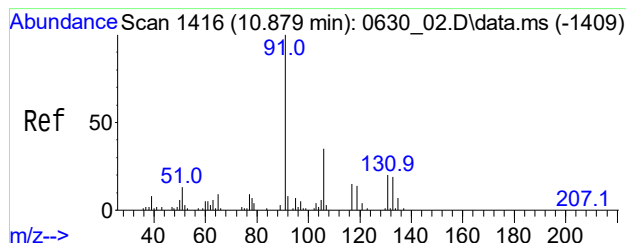
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6723		
119	102.3	77.2	117.2	
121	30.0	10.8	50.8	



#48
Toluene
Conc: 8\$ 0.200 ppbv
RT: 8.997 min Scan# 1154
Delta R.T. 0.015 min
Lab File: 0630_13.D
Acq: 30 Jun 2021 11:23 pm

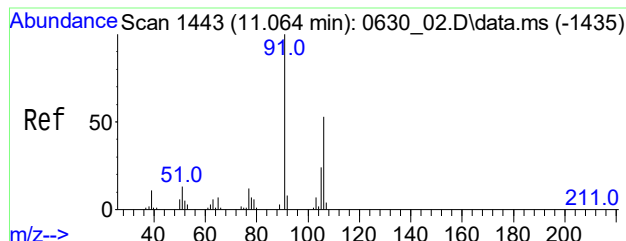
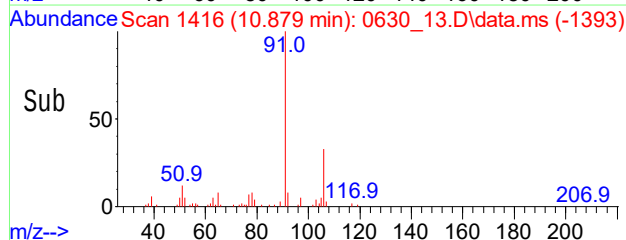
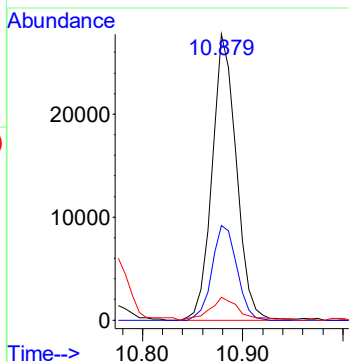
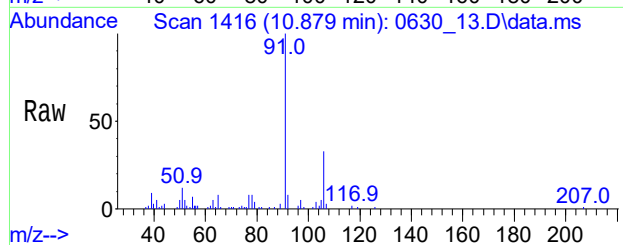
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	23333		
92	54.0	44.8	67.2	
65	12.4	9.8	14.6	





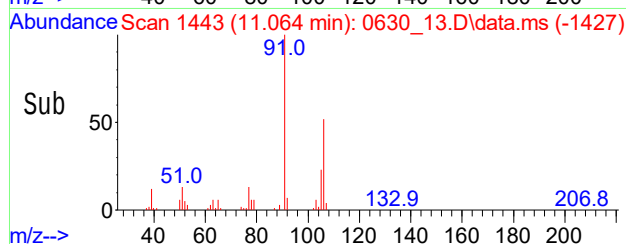
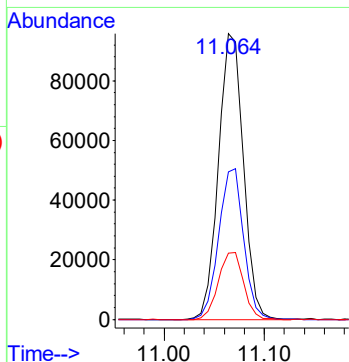
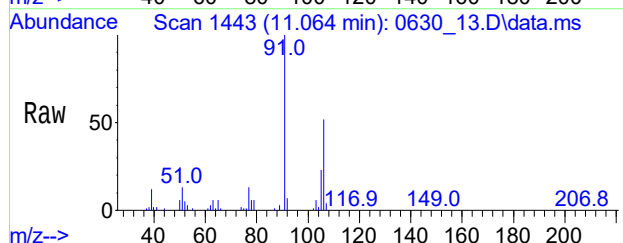
#56
Ethylbenzene
Conc: 8\$ 0.293 ppbv
RT: 10.879 min Scan# 1416
Delta R.T. 0.007 min
Lab File: 0630_13.D
Acq: 30 Jun 2021 11:23 pm

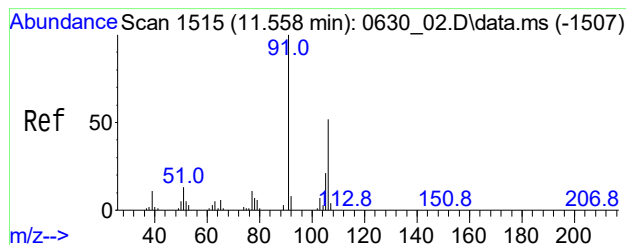
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	46548		
106	33.9	12.7	52.7	
77	9.6	0.0	28.0	



#57
m,p-Xylene
Conc: 8\$ 1.417 ppbv
RT: 11.064 min Scan# 1443
Delta R.T. 0.007 min
Lab File: 0630_13.D
Acq: 30 Jun 2021 11:23 pm

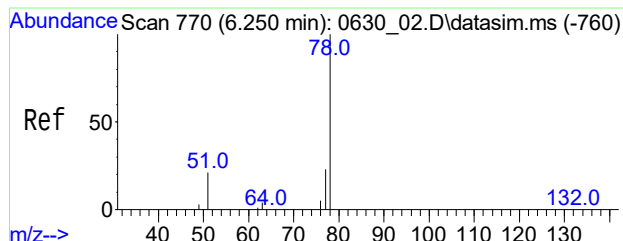
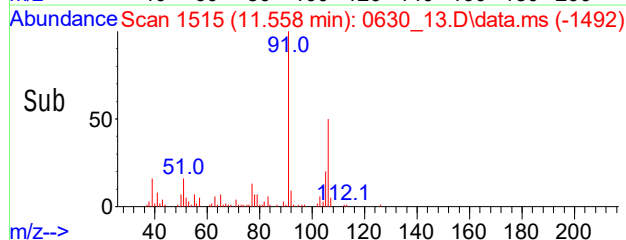
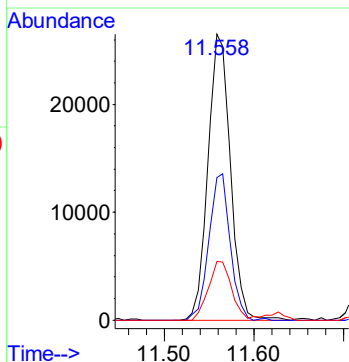
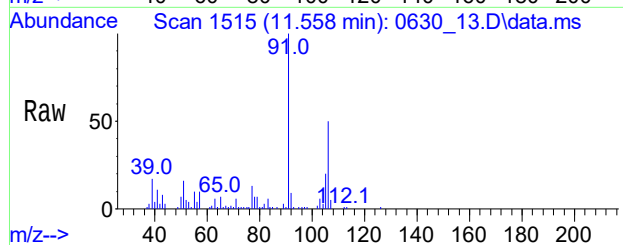
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	165457		
106	52.8	41.4	62.2	
105	23.7	19.4	29.0	





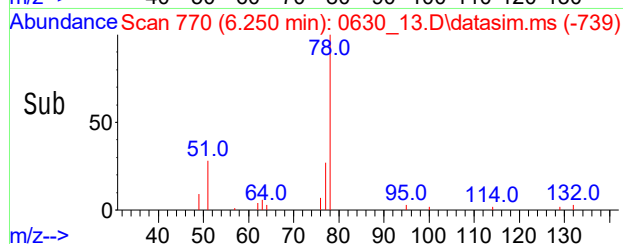
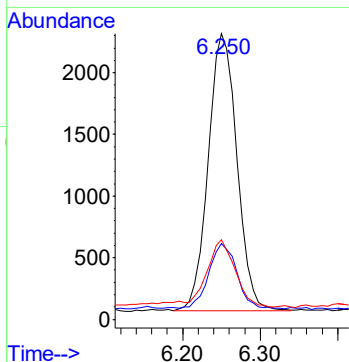
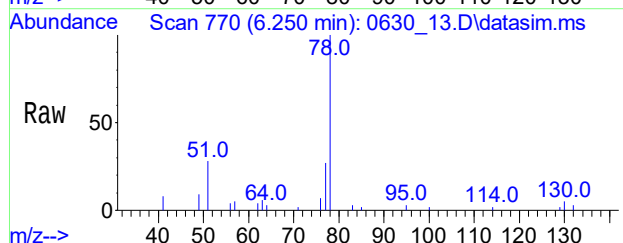
#61
o-Xylene
Conc: 8\$ 0.376 ppbv
RT: 11.558 min Scan# 1515
Delta R.T. 0.007 min
Lab File: 0630_13.D
Acq: 30 Jun 2021 11:23 pm

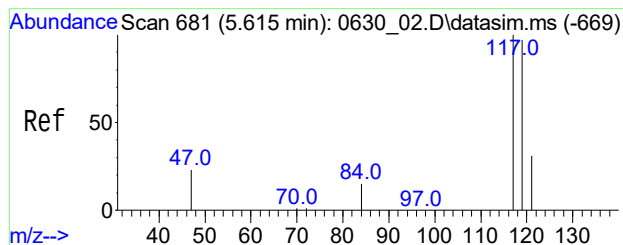
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	46108		
106	48.6	40.0	60.0	
105	21.4	17.4	26.0	



#86
Benzene(sim)
Conc: 8\$ 0.053 ppbv
RT: 6.250 min Scan# 770
Delta R.T. 0.014 min
Lab File: 0630_13.D
Acq: 30 Jun 2021 11:23 pm

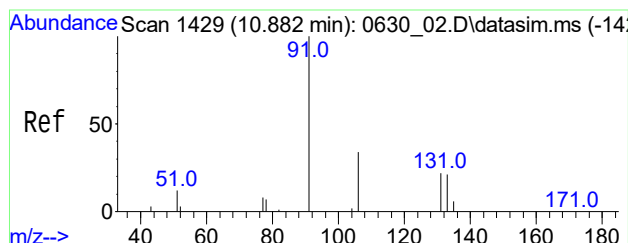
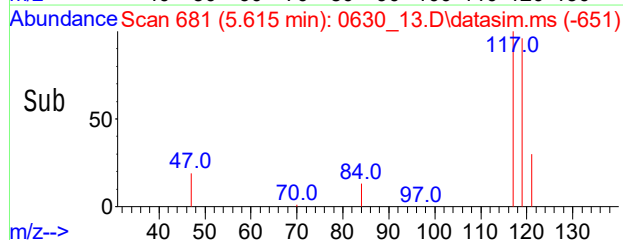
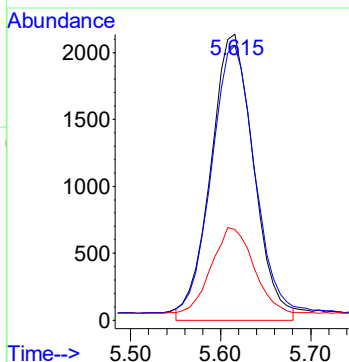
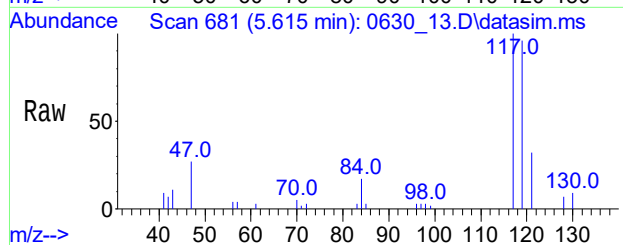
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	5757		
77	22.8	20.2	30.4	
51	48.2	18.4	27.6#	





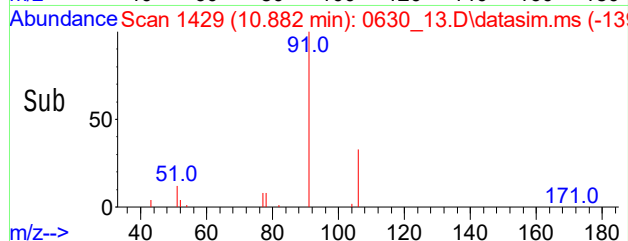
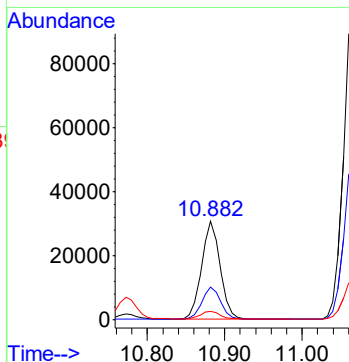
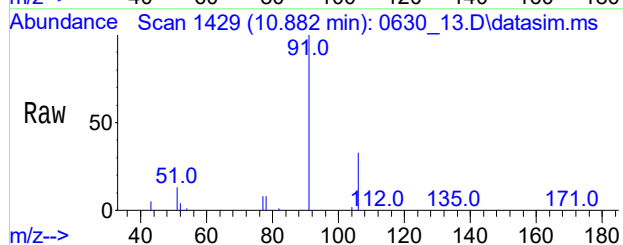
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.067 ppbv
RT: 5.612 min Scan# 681
Delta R.T. 0.015 min
Lab File: 0630_13.D
Acq: 30 Jun 2021 11:23 pm

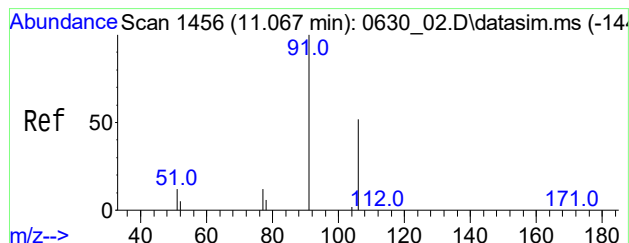
Tgt Ion: 117 Resp: 6723
Ion Ratio Lower Upper
117 100
119 102.3 77.8 116.6
121 29.1 24.5 36.7



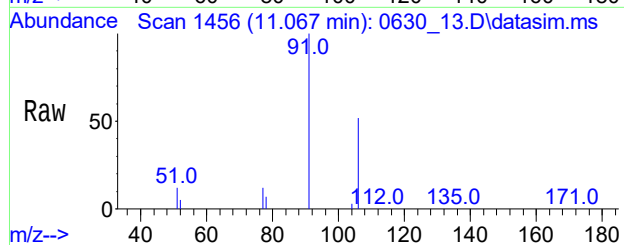
#108
Ethylbenzene(sim)
Conc: 8\$ 0.298 ppb
RT: 10.882 min Scan# 1429
Delta R.T. 0.007 min
Lab File: 0630_13.D
Acq: 30 Jun 2021 11:23 pm

Tgt Ion: 91 Resp: 50525
Ion Ratio Lower Upper
91 100
106 33.4 26.6 40.0
77 8.8 7.0 10.6

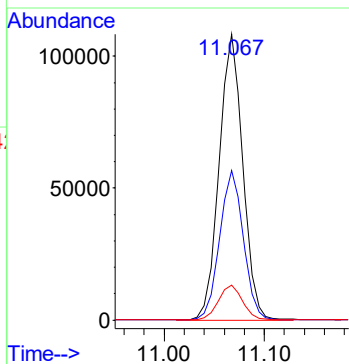
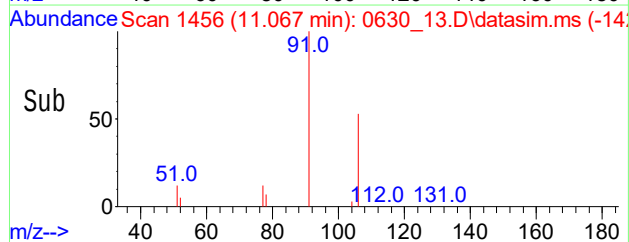




#109
 m,p-Xylene(sim)
 Conc: 8\$ 1.416 ppbv
 RT: 11.064 min Scan# 1456
 Delta R.T. 0.007 min
 Lab File: 0630_13.D
 Acq: 30 Jun 2021 11:23 pm



Tgt Ion: 91 Resp: 165457
 Ion Ratio Lower Upper
 91 100
 106 52.8 46.5 56.9
 77 12.8 10.2 15.4



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

Lab Sample ID: CI65774

Lab File ID: 0630 20.D

Purge Volume	200	(cc)	Date Analyzed:	07/01/21
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Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

07/09/2021

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_20.D
 Acq On : 1 Jul 2021 4:18 am
 Operator : Keith
 Client ID : AA-01
 Lab ID : CI65774
 ALS Vial : 20 Sample Multiplier: 1

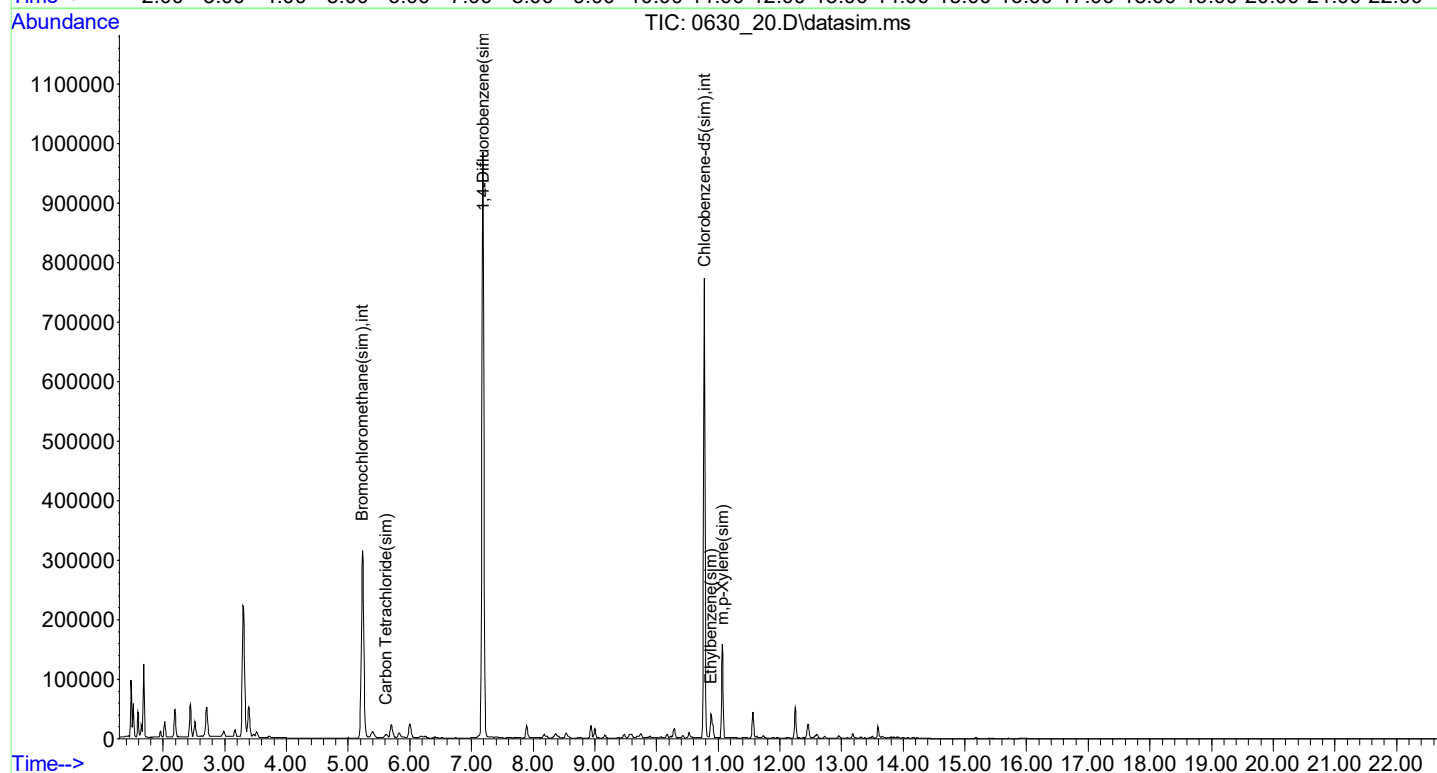
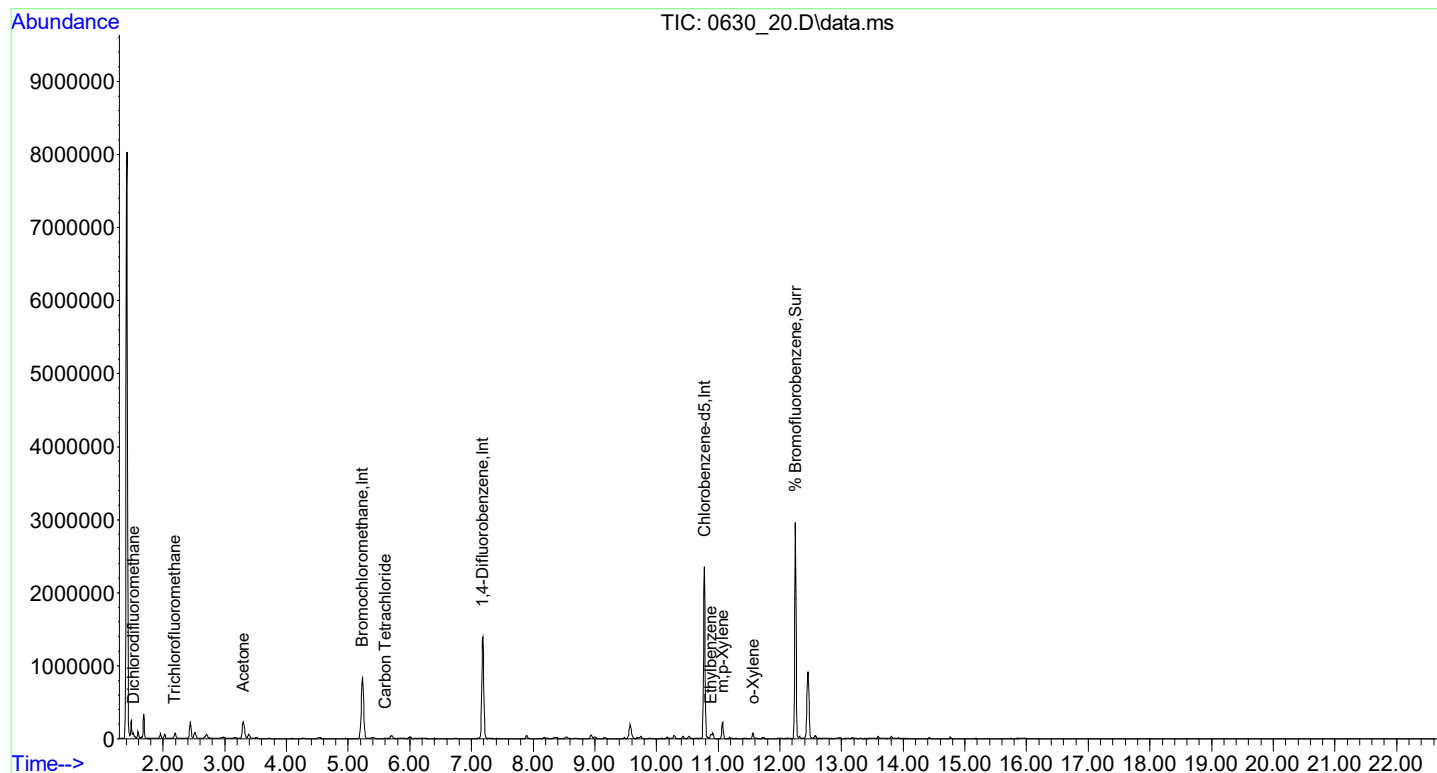
Quant Time: Jul 01 08:28:07 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

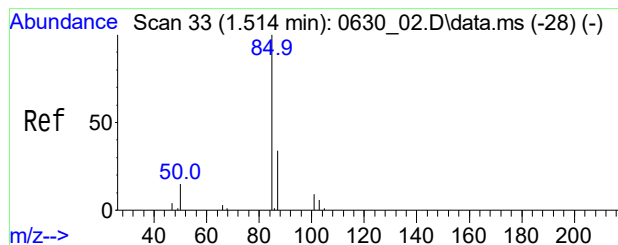
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	130	468921	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.185	114	1441263	10.000	ng	0.01
53) Chlorobenzene-d5	10.776	82	609696	10.000	ng	0.01
80) Bromochloromethane(sim)	5.233	130	461110	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.185	114	1441263	10.000	ng	0.01
105) Chlorobenzene-d5(sim)	10.776	82	609696	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.252	95	869783	9.787	ppbv	0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.90%
Target Compounds						
3) Dichlorodifluoromethane	1.521	85	40012	0.425	ppbv	Qvalue 96
12) Acetone	3.301	43	413144	5.683	ppbv	99
13) Trichlorofluoromethane	2.185	101	30038	0.289	ppbv	100
33) Benzene	6.247	78	4464	0.048	ppbv#	88
34) Carbon Tetrachloride	5.605	117	6463	0.066	ppbv	92
56) Ethylbenzene	10.886	91	36927	0.234	ppbv	97
57) m,p-Xylene	11.071	91	128107	1.101	ppbv	98
61) o-Xylene	11.565	91	35226	0.289	ppbv	98
87) Carbon Tetrachloride(sim)	5.605	117	6168	0.061	ppbv	91
108] Ethylbenzene(sim)	10.882	91	39748	0.235	ppb	100
109] m,p-Xylene(sim)	11.071	91	128107	1.101	ppbv	98

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

Data Path : H:\AIR2021\CHEM24\06JUN\30\
Data File : 0630_20.D
Acq On : 1 Jul 2021 4:18 am
Operator : Keith
Client ID : AA-01
Lab ID : CI65774
ALS Vial : 20 Sample Multiplier: 1

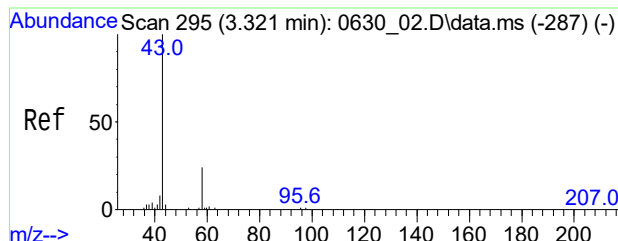
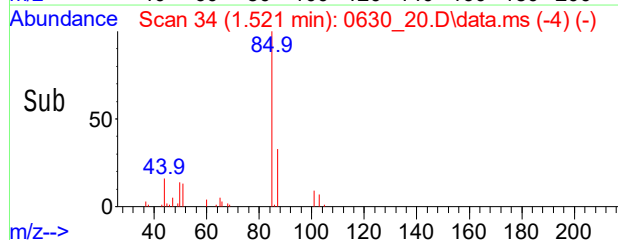
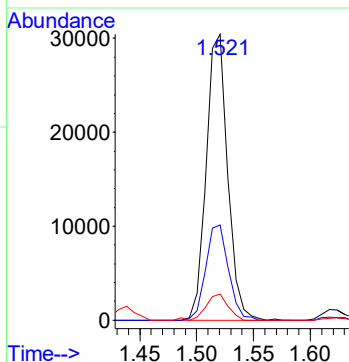
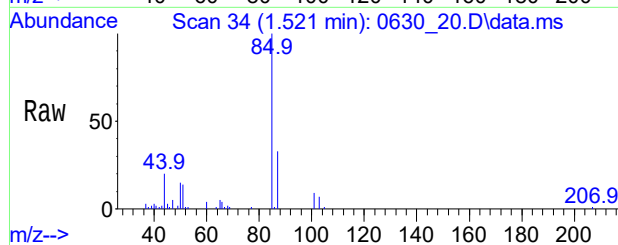
Quant Time: Jul 01 08:28:07 2021
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Quant Title : VOA Standards for 5 point calibration
Last Update : Tue Jun 29 10:02:03 2021
Response via : Initial Calibration





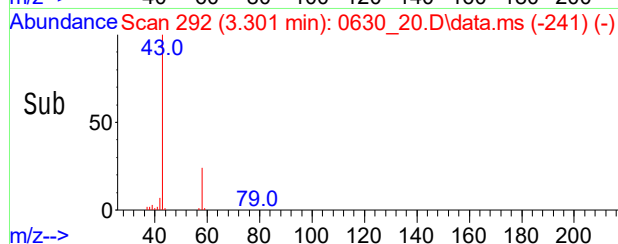
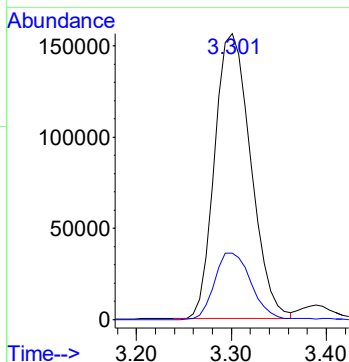
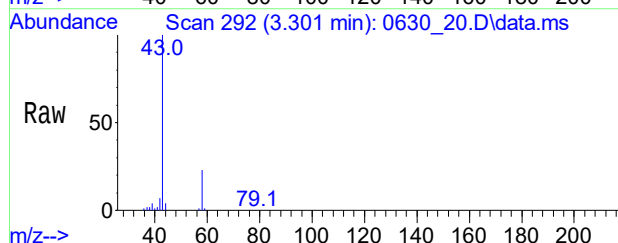
#3
Dichlorodifluoromethane
Conc: 8\$ 0.425 ppbv
RT: 1.521 min Scan# 34
Delta R.T. 0.007 min
Lab File: 0630_20.D
Acq: 1 Jul 2021 4:18 am

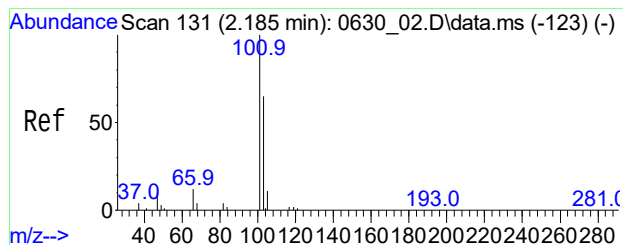
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	40012		
87	35.2	26.2	39.4	
101	9.4	8.2	12.4	



#12
Acetone
Conc: 8\$ 5.683 ppbv
RT: 3.301 min Scan# 292
Delta R.T. 0.048 min
Lab File: 0630_20.D
Acq: 1 Jul 2021 4:18 am

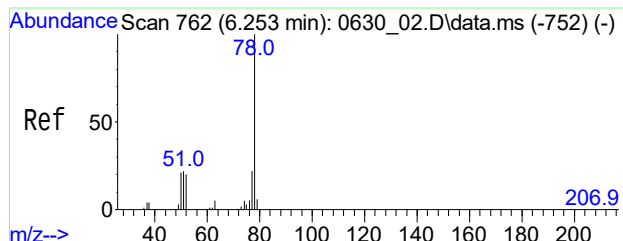
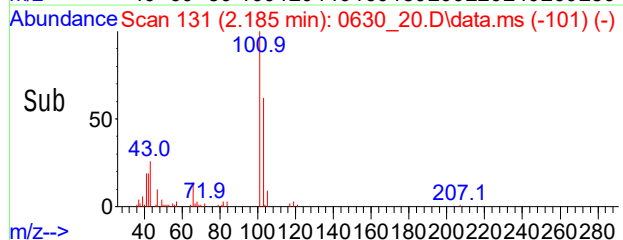
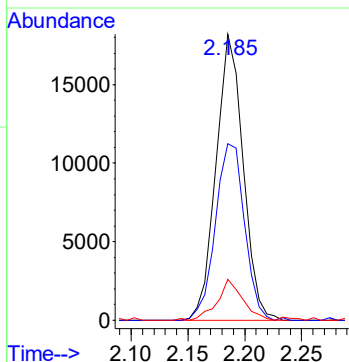
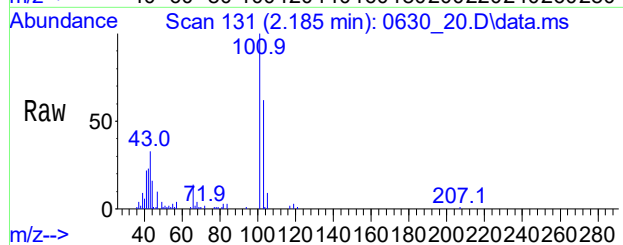
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	413144		
58	23.6	19.4	29.0	





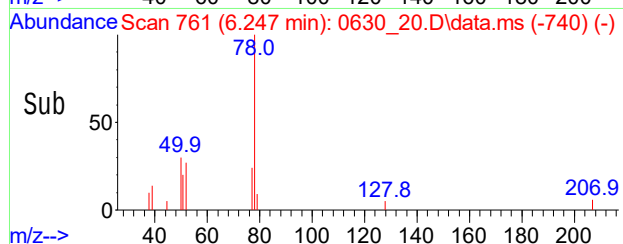
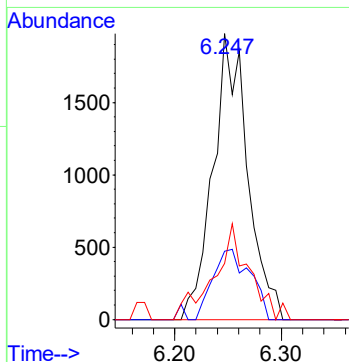
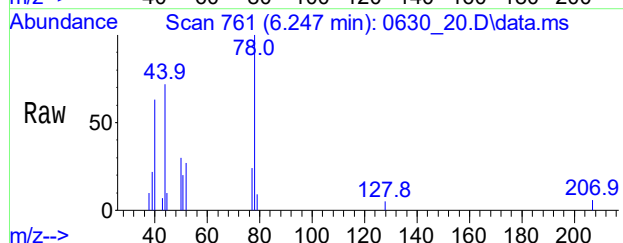
#13
Trichlorofluoromethane
Conc: 8\$ 0.289 ppbv
RT: 2.185 min Scan# 131
Delta R.T. 0.007 min
Lab File: 0630_20.D
Acq: 1 Jul 2021 4:18 am

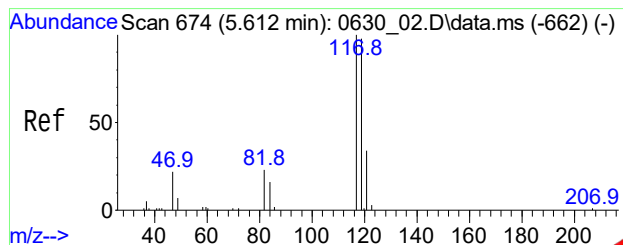
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	30038		
103	66.4	53.1	79.7	
66	13.3	10.1	15.1	



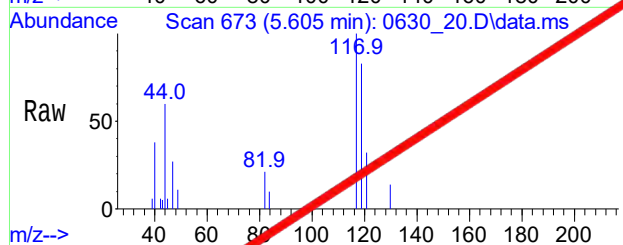
#33
Benzene
Conc: 8\$ Below Cal
RT: 6.247 min Scan# 761
Delta R.T. 0.007 min
Lab File: 0630_20.D
Acq: 1 Jul 2021 4:18 am

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	4464		
77	26.3	18.6	27.8	
51	34.1	20.4	30.6	

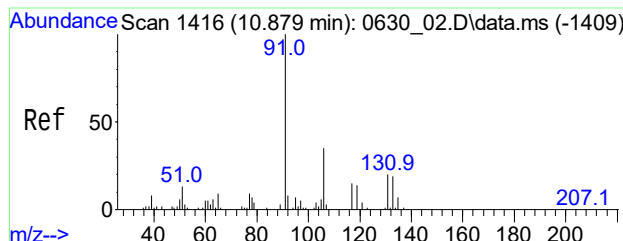
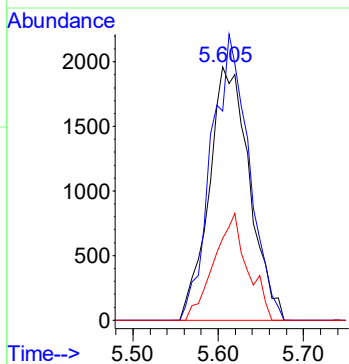
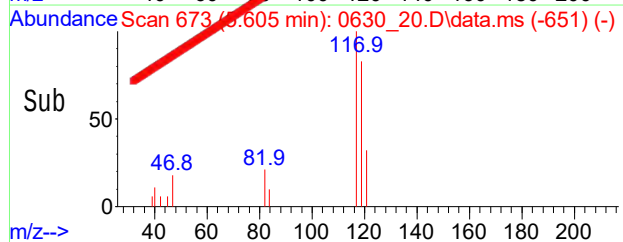




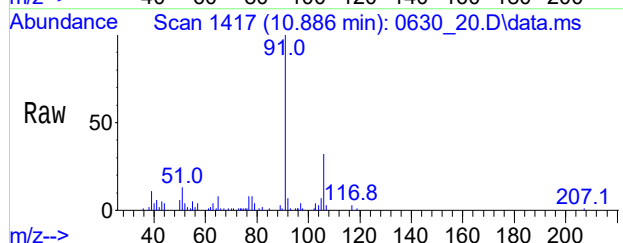
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.605 min Scan# 673
Delta R.T. 0.007 min
Lab File: 0630_20.D
Acq: 1 Jul 2021 4:18 am



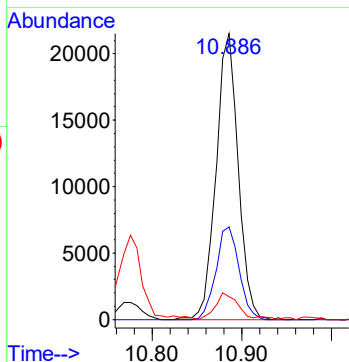
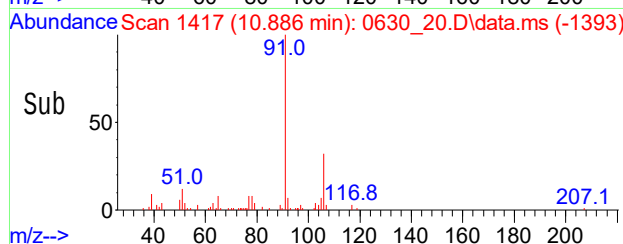
Tgt Ion: 117 Resp: 6463
Ion Ratio Lower Upper
117 100
119 104.9 77.2 117.2
121 34.9 10.8 50.8

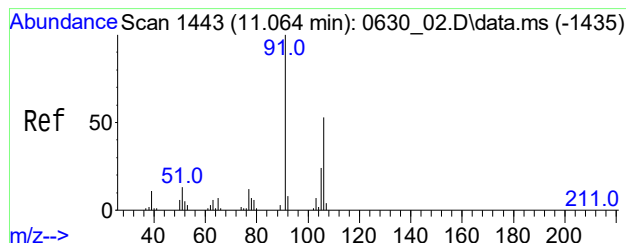


#56
Ethylbenzene
Conc: 8\$ 0.234 ppbv
RT: 10.886 min Scan# 1417
Delta R.T. 0.014 min
Lab File: 0630_20.D
Acq: 1 Jul 2021 4:18 am



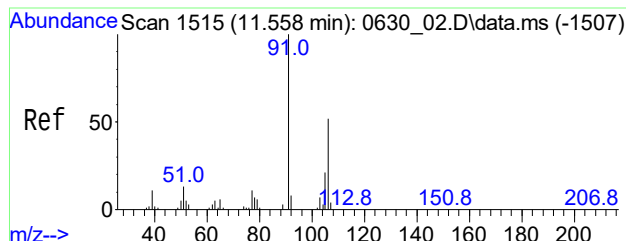
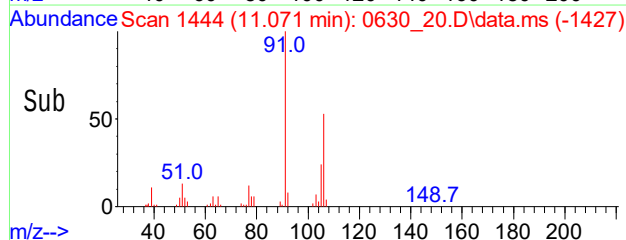
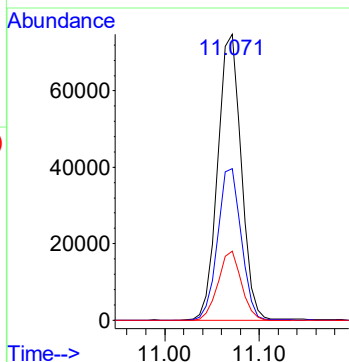
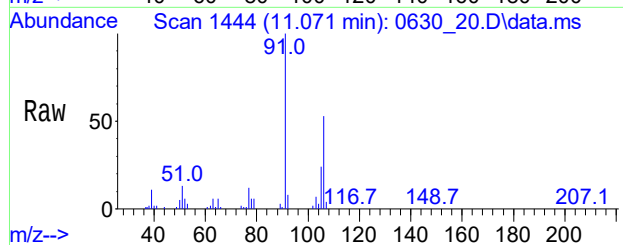
Tgt Ion: 91 Resp: 36927
Ion Ratio Lower Upper
91 100
106 33.8 12.7 52.7
77 9.8 0.0 28.0





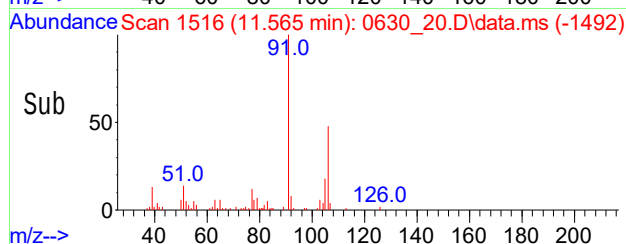
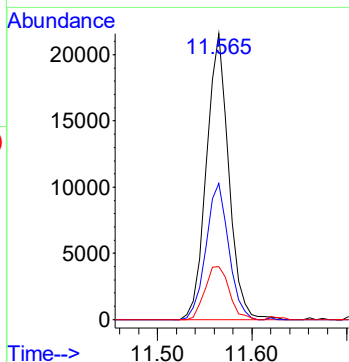
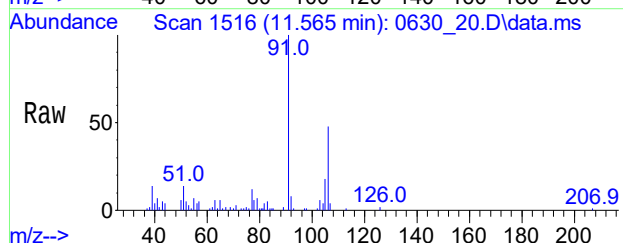
#57
m,p-Xylene
Conc: 8\$ 1.101 ppbv
RT: 11.071 min Scan# 1444
Delta R.T. 0.014 min
Lab File: 0630_20.D
Acq: 1 Jul 2021 4:18 am

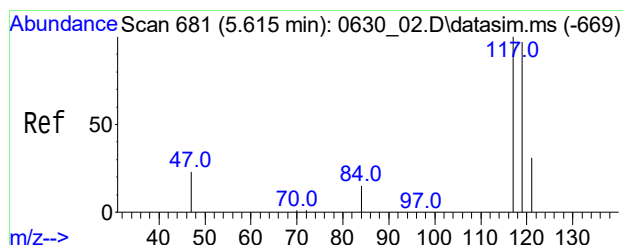
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	128107		
106	53.3	41.4	62.2	
105	23.9	19.4	29.0	



#61
o-Xylene
Conc: 8\$ 0.289 ppbv
RT: 11.565 min Scan# 1516
Delta R.T. 0.014 min
Lab File: 0630_20.D
Acq: 1 Jul 2021 4:18 am

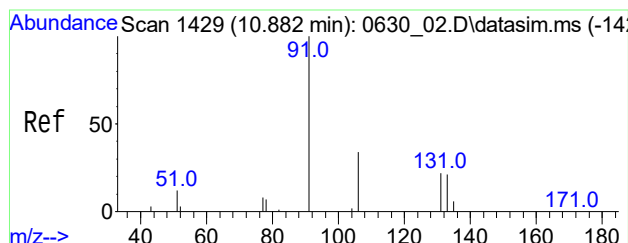
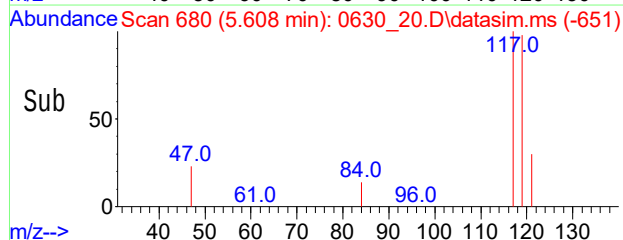
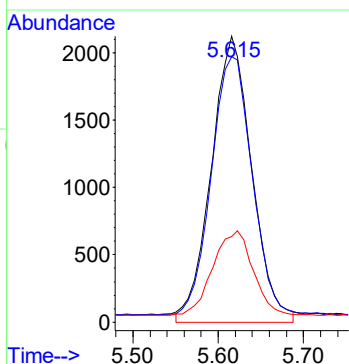
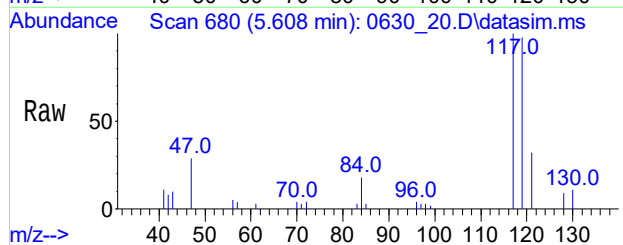
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	35226		
106	48.6	40.0	60.0	
105	20.2	17.4	26.0	





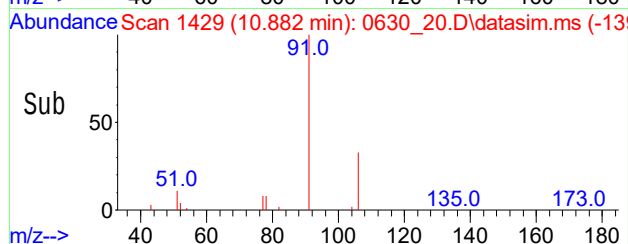
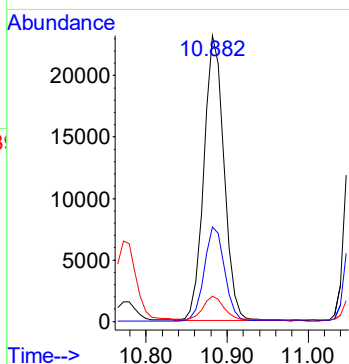
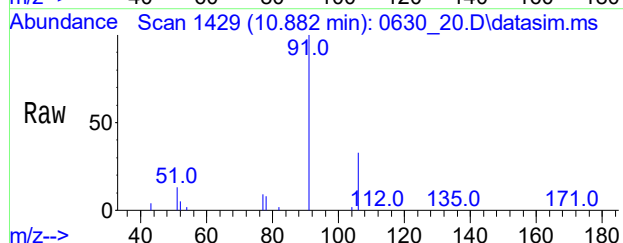
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.061 ppbv
RT: 5.605 min Scan# 680
Delta R.T. 0.007 min
Lab File: 0630_20.D
Acq: 1 Jul 2021 4:18 am

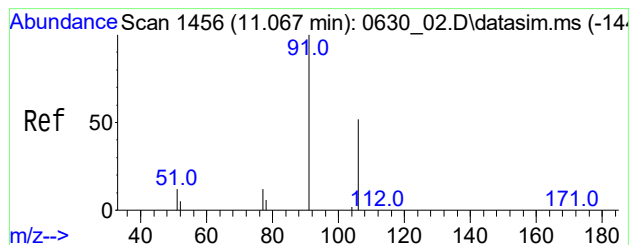
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6168		
119	108.4	77.8	116.6	
121	30.0	24.5	36.7	



#108
Ethylbenzene(sim)
Conc: 8\$ 0.235 ppb
RT: 10.882 min Scan# 1429
Delta R.T. 0.007 min
Lab File: 0630_20.D
Acq: 1 Jul 2021 4:18 am

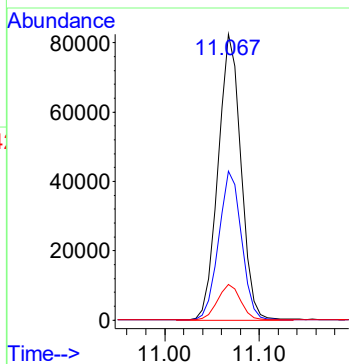
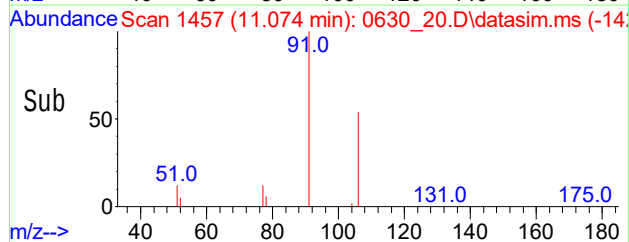
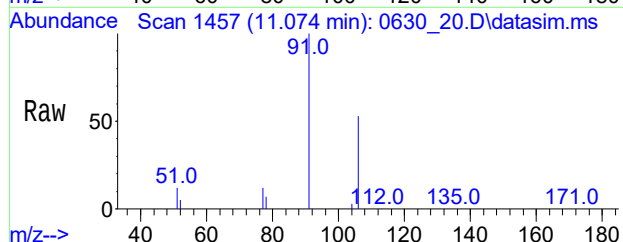
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	39748		
106	33.6	26.6	40.0	
77	8.8	7.0	10.6	





#109
 m,p-Xylene(sim)
 Conc: 8\$ 1.101 ppbv
 RT: 11.071 min Scan# 1457
 Delta R.T. 0.014 min
 Lab File: 0630_20.D
 Acq: 1 Jul 2021 4:18 am

Tgt Ion: 91 Resp: 128107
 Ion Ratio Lower Upper
 91 100
 106 53.3 46.5 56.9
 77 12.7 10.2 15.4



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

Lab Sample ID: CI65775

Lab File ID: 0630 14.D

Purge Volume	200	(cc)	Date Analyzed:	07/01/21
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Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

07/09/2021

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_14.D
 Acq On : 1 Jul 2021 12:03 am
 Operator : Keith
 Client ID : IA-02
 Lab ID : CI65775
 ALS Vial : 14 Sample Multiplier: 1

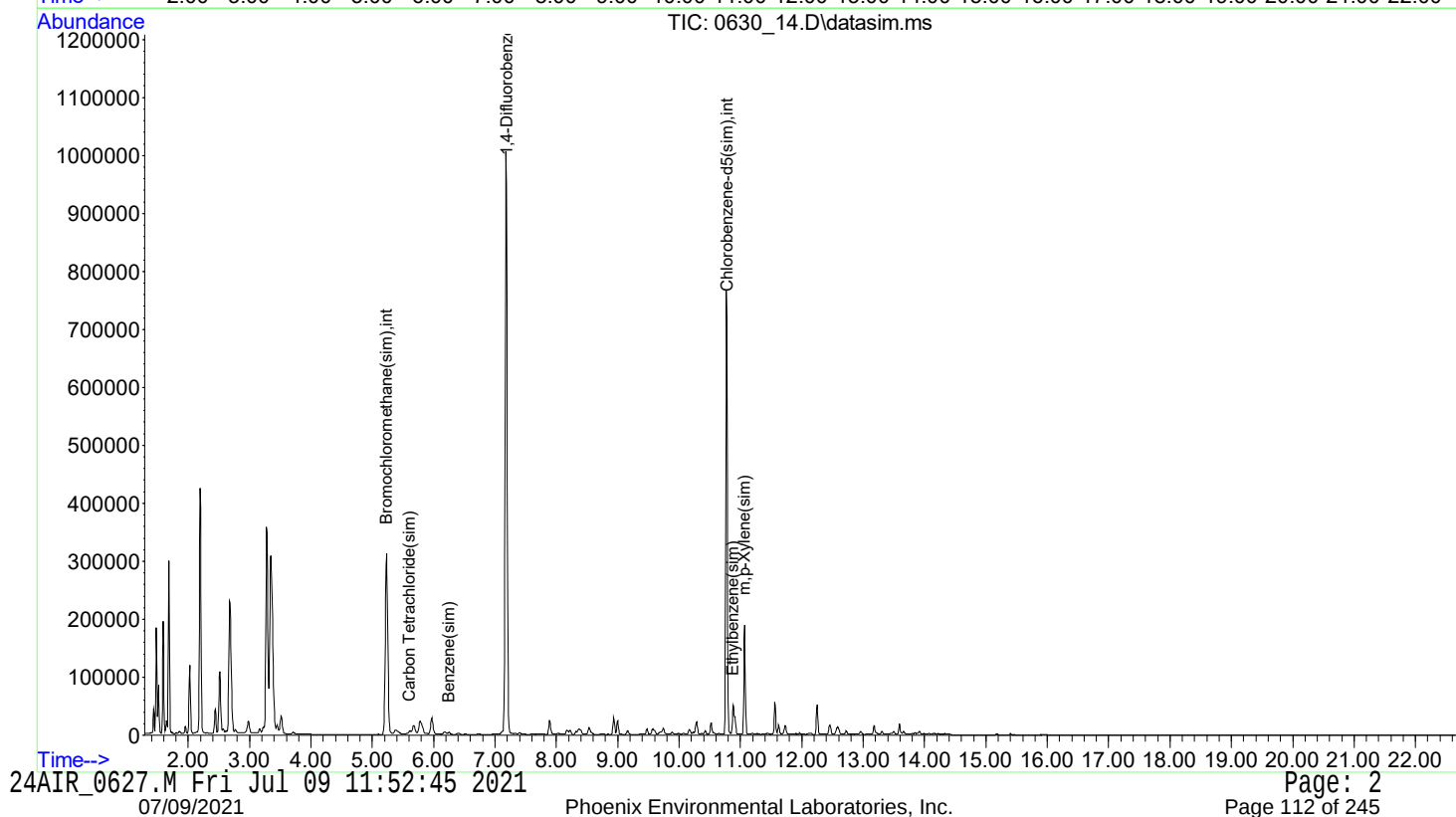
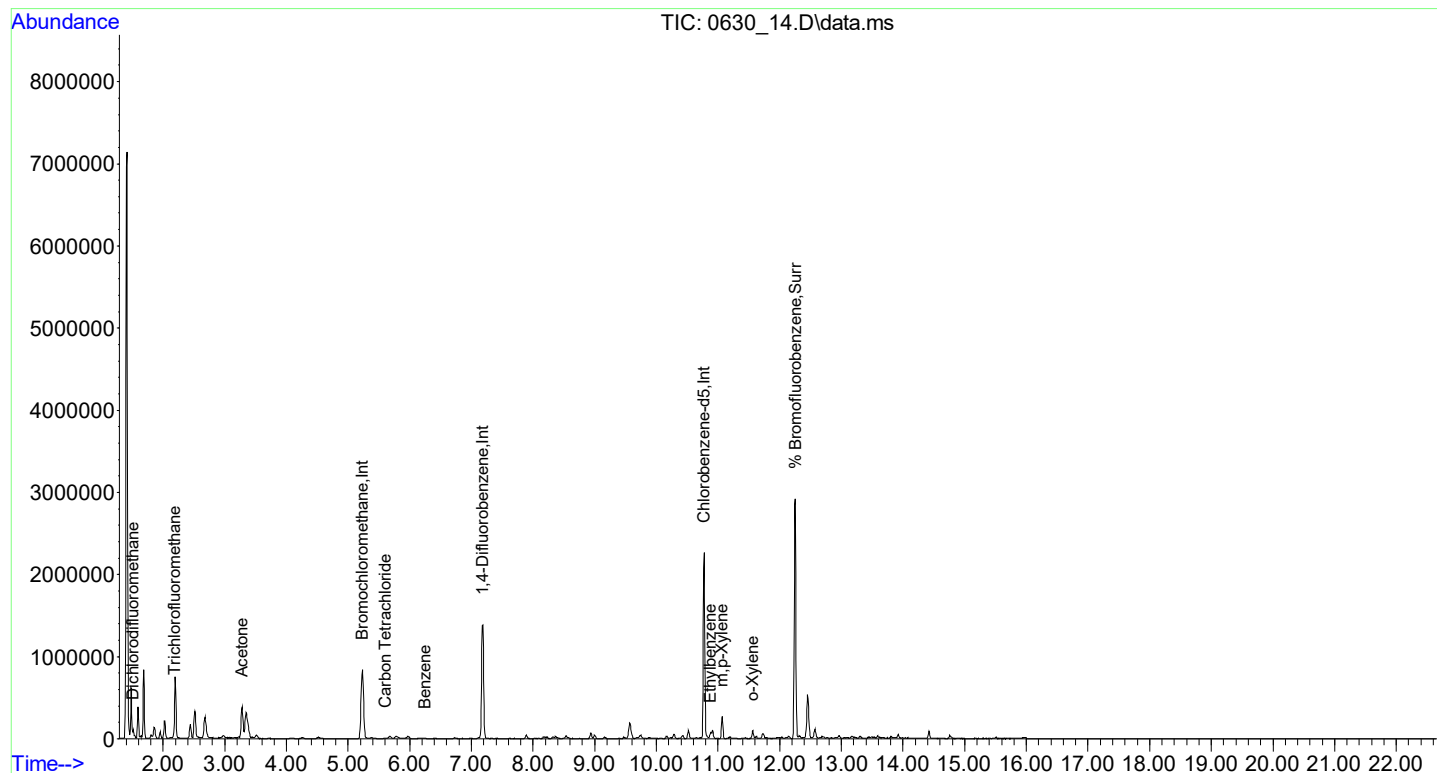
Quant Time: Jul 01 08:24:10 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

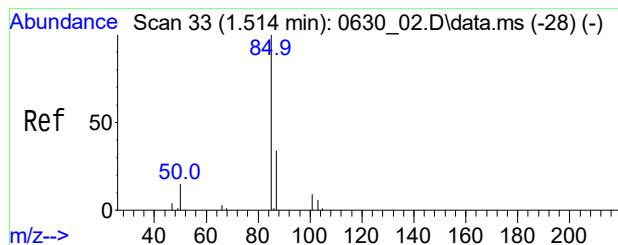
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	130	467958	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.185	114	1451247	10.000	ng	0.01
53) Chlorobenzene-d5	10.776	82	604195	10.000	ng	0.01
80) Bromochloromethane(sim)	5.233	130	456863	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.185	114	1451247	10.000	ng	0.01
105) Chlorobenzene-d5(sim)	10.776	82	604195	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.252	95	880969	10.003	ppbv	0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.00%
Target Compounds						
3) Dichlorodifluoromethane	1.514	85	59036	0.629	ppbv	Qvalue 97
12) Acetone	3.280	43	570164	7.859	ppbv	100
13) Trichlorofluoromethane	2.185	101	84207	0.811	ppbv	98
33) Benzene	6.247	78	5944	0.064	ppbv#	95
34) Carbon Tetrachloride	5.605	117	6623	0.067	ppbv	92
56) Ethylbenzene	10.879	91	44950	0.287	ppbv	96
57) m,p-Xylene	11.064	91	152880	1.326	ppbv	99
61) o-Xylene	11.565	91	44154	0.365	ppbv	98
86) Benzene(sim)	6.250	78	5820	0.054	ppbv	94
87) Carbon Tetrachloride(sim)	5.605	117	6561	0.066	ppbv	95
108) Ethylbenzene(sim)	10.882	91	47989	0.286	ppb	100
109) m,p-Xylene(sim)	11.064	91	153143	1.328	ppbv	99

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

Data Path : H:\AIR2021\CHEM24\06JUN\30\
Data File : 0630_14.D
Acq On : 1 Jul 2021 12:03 am
Operator : Keith
Client ID : IA-02
Lab ID : CI65775
ALS Vial : 14 Sample Multiplier: 1

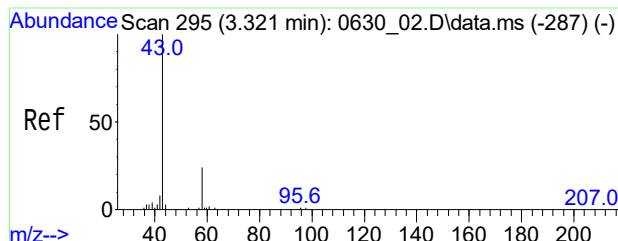
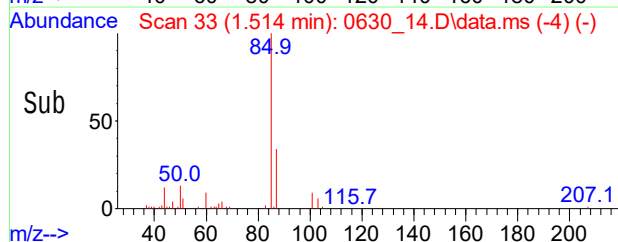
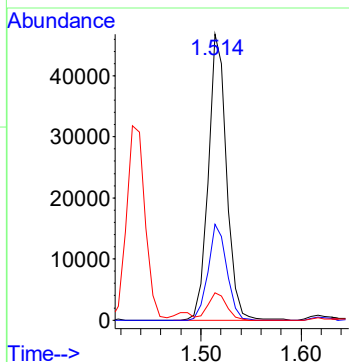
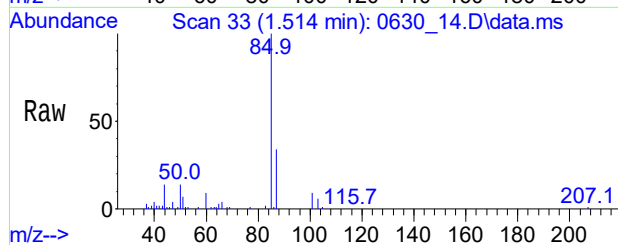
Quant Time: Jul 01 08:24:10 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Tue Jun 29 10:02:03 2021
Response via : Initial Calibration





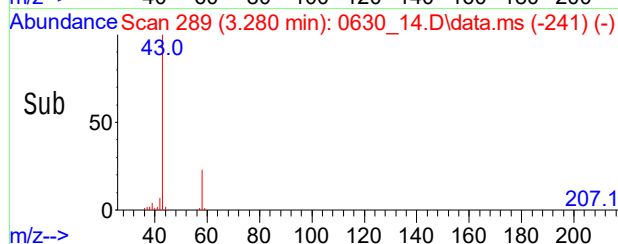
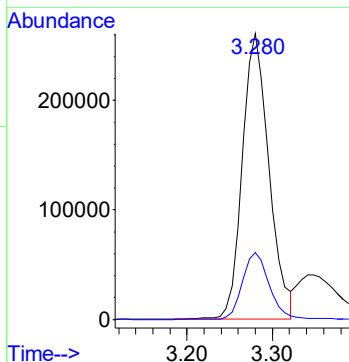
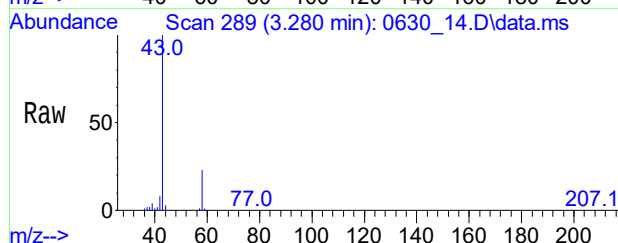
#3
 Dichlorodifluoromethane
 Conc: 8\$ 0.629 ppbv
 RT: 1.514 min Scan# 33
 Delta R.T. 0.000 min
 Lab File: 0630_14.D
 Acq: 1 Jul 2021 12:03 am

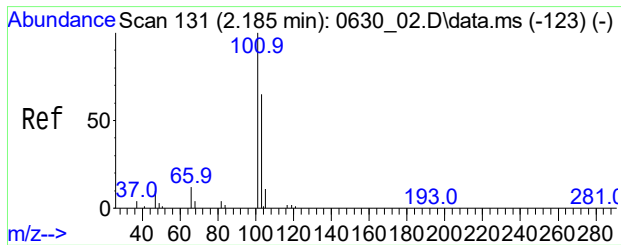
Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.4	26.2	39.4
101	9.7	8.2	12.4



#12
 Acetone
 Conc: 8\$ 7.859 ppbv
 RT: 3.280 min Scan# 289
 Delta R.T. 0.027 min
 Lab File: 0630_14.D
 Acq: 1 Jul 2021 12:03 am

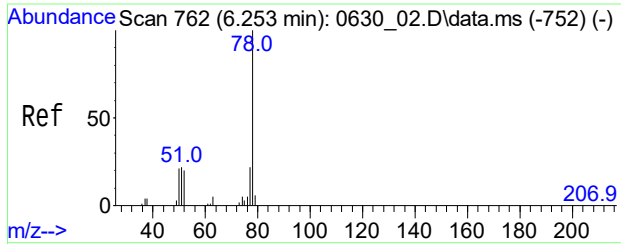
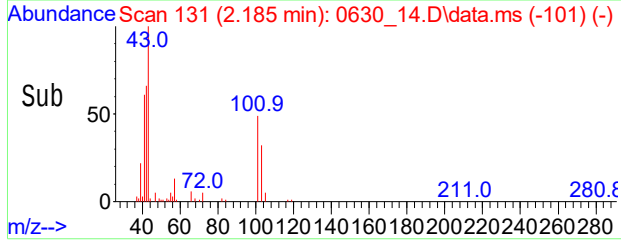
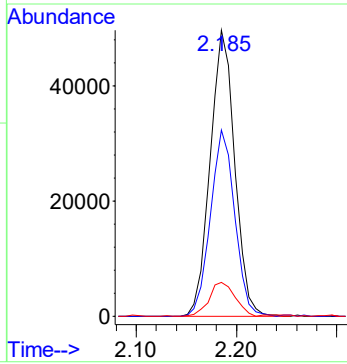
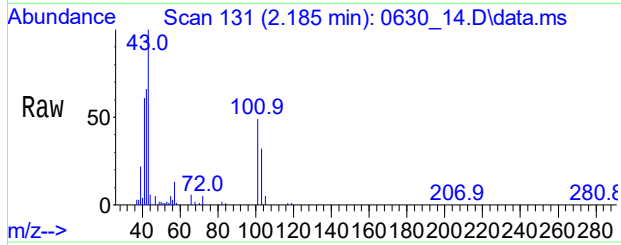
Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.1	19.4	29.0





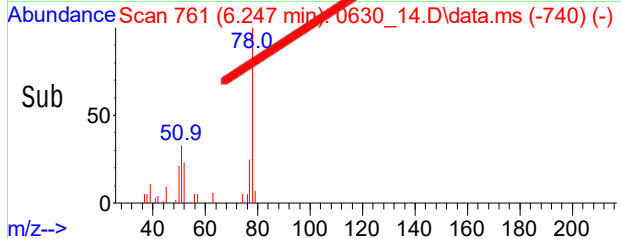
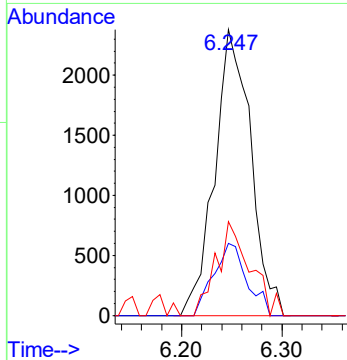
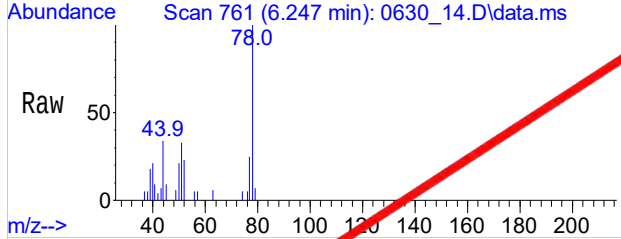
#13
Trichlorofluoromethane
Conc: 8\$ 0.811 ppbv
RT: 2.185 min Scan# 131
Delta R.T. 0.007 min
Lab File: 0630_14.D
Acq: 1 Jul 2021 12:03 am

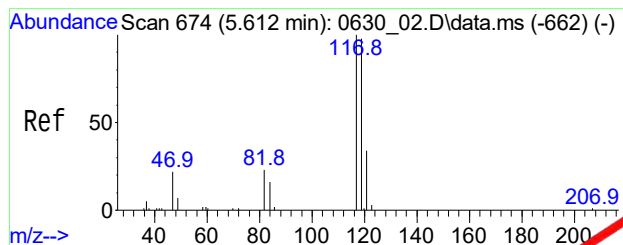
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	84207		
103	64.5	53.1		79.7
66	12.6	10.1		15.1



#33
Benzene
Conc: 8\$ Below Cal
RT: 6.247 min Scan# 761
Delta R.T. 0.007 min
Lab File: 0630_14.D
Acq: 1 Jul 2021 12:03 am

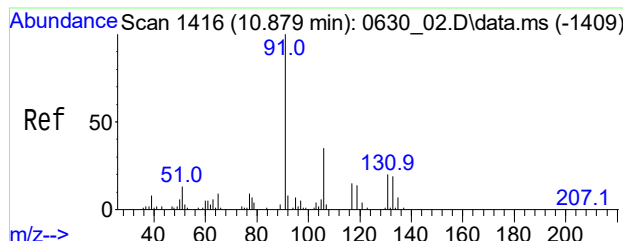
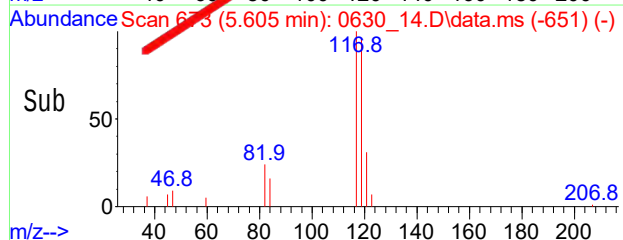
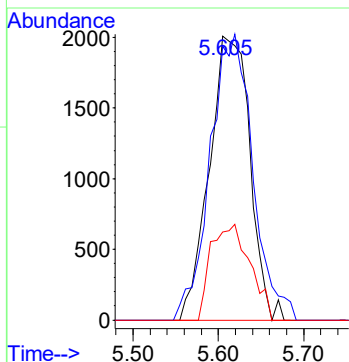
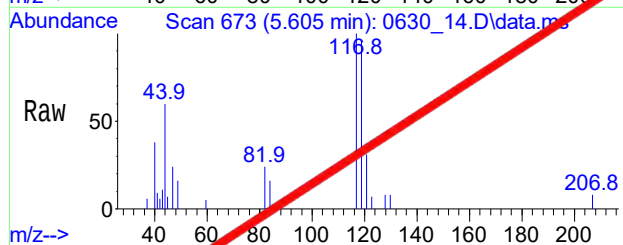
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	5944		
77	23.2	18.6		27.8
51	30.8	20.4		30.6#





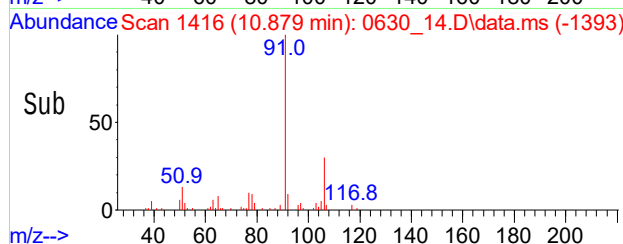
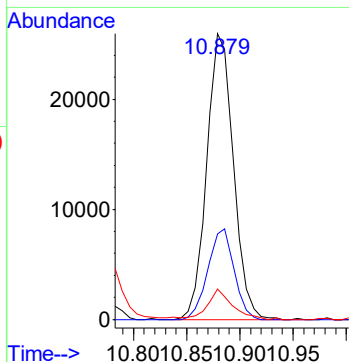
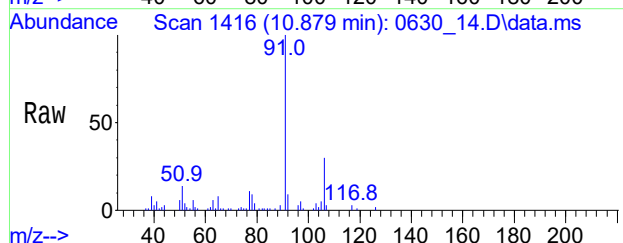
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.605 min Scan# 673
Delta R.T. 0.007 min
Lab File: 0630_14.D
Acq: 1 Jul 2021 12:03 am

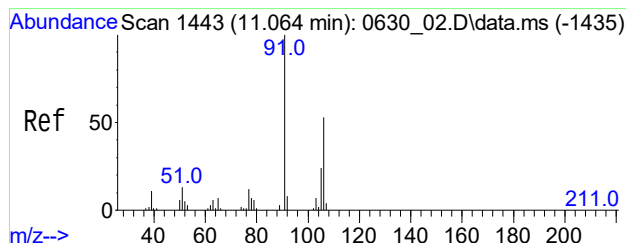
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6623		
119	105.9	77.2	117.2	
121	32.5	10.8	50.8	



#56
Ethylbenzene
Conc: 8\$ 0.287 ppbv
RT: 10.879 min Scan# 1416
Delta R.T. 0.007 min
Lab File: 0630_14.D
Acq: 1 Jul 2021 12:03 am

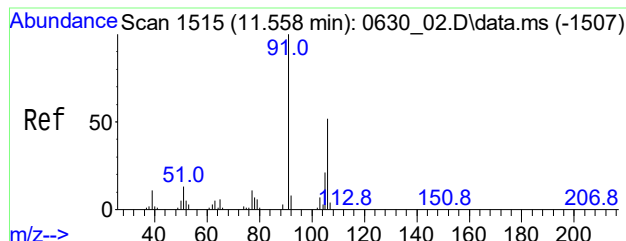
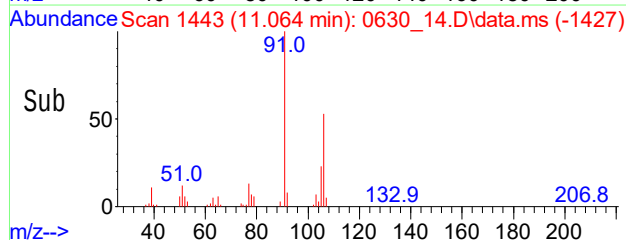
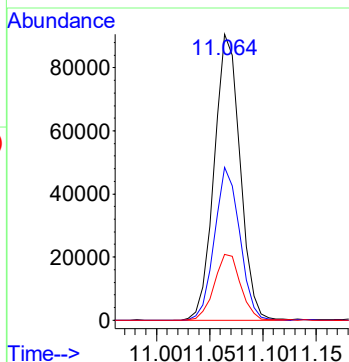
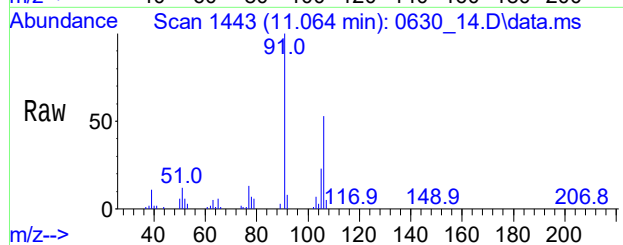
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	44950		
106	31.1	12.7	52.7	
77	10.3	0.0	28.0	





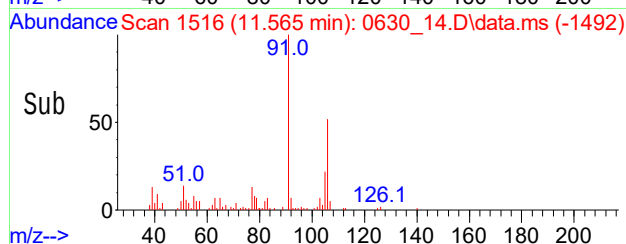
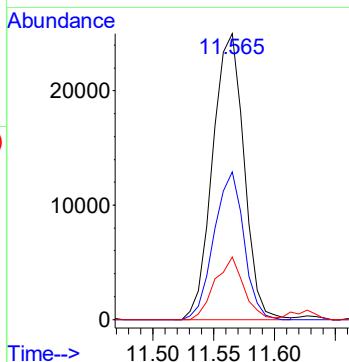
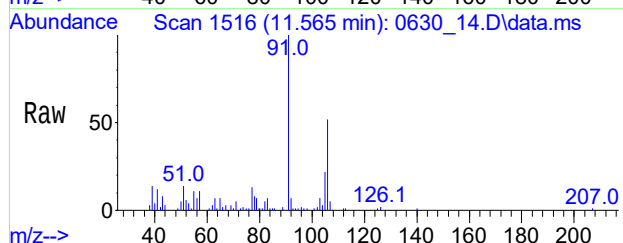
#57
m,p-Xylene
Conc: 8\$ 1.326 ppbv
RT: 11.064 min Scan# 1443
Delta R.T. 0.007 min
Lab File: 0630_14.D
Acq: 1 Jul 2021 12:03 am

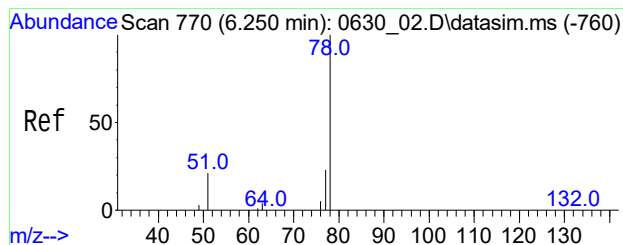
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	152880		
106	52.2	41.4	62.2	
105	23.5	19.4	29.0	



#61
o-Xylene
Conc: 8\$ 0.365 ppbv
RT: 11.565 min Scan# 1516
Delta R.T. 0.014 min
Lab File: 0630_14.D
Acq: 1 Jul 2021 12:03 am

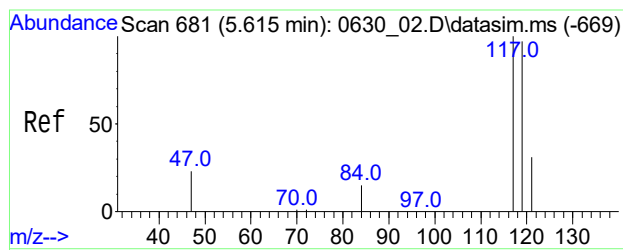
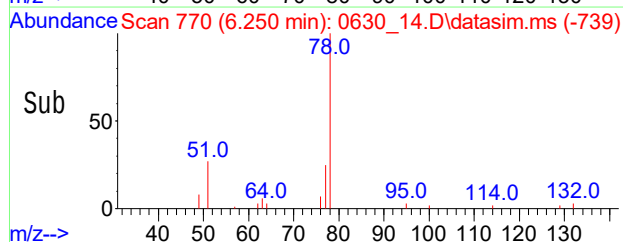
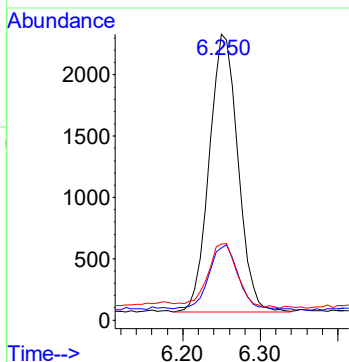
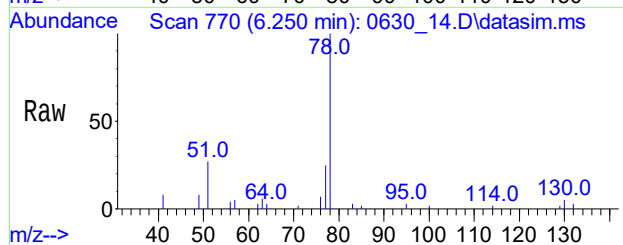
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	44154		
106	49.0	40.0	60.0	
105	20.3	17.4	26.0	





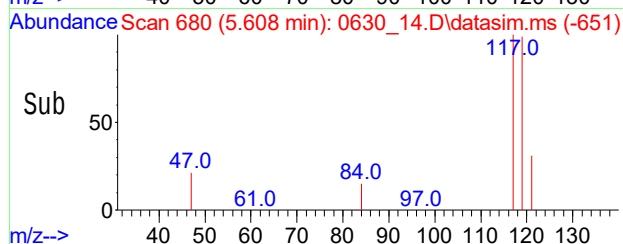
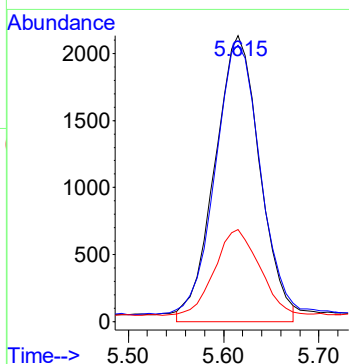
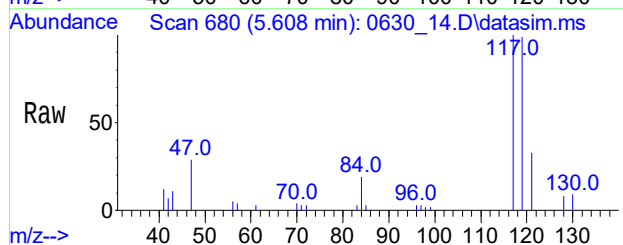
#86
Benzene(sim)
Conc: 8\$ 0.054 ppbv
RT: 6.250 min Scan# 770
Delta R.T. 0.014 min
Lab File: 0630_14.D
Acq: 1 Jul 2021 12:03 am

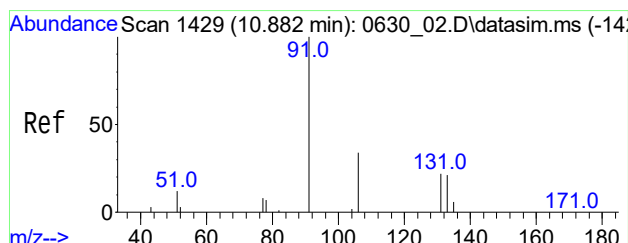
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	5820		
77	23.8	20.2	30.4	
51	27.3	18.4	27.6	



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.066 ppbv
RT: 5.605 min Scan# 680
Delta R.T. 0.007 min
Lab File: 0630_14.D
Acq: 1 Jul 2021 12:03 am

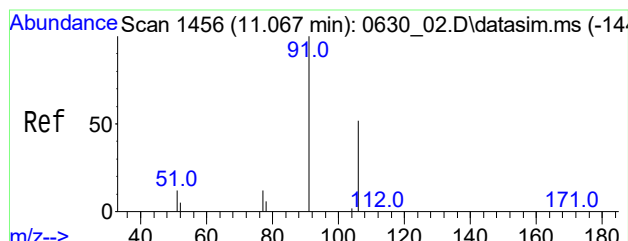
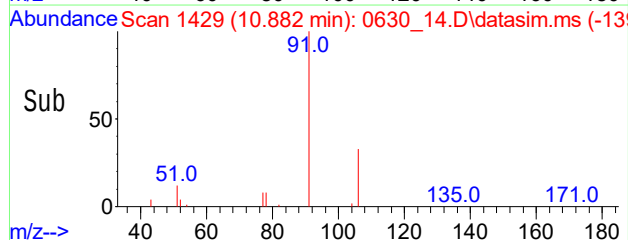
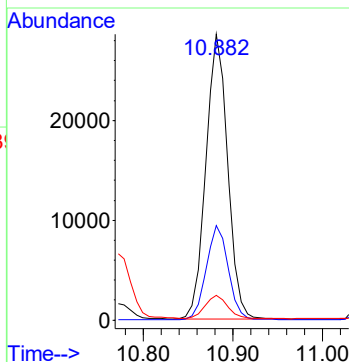
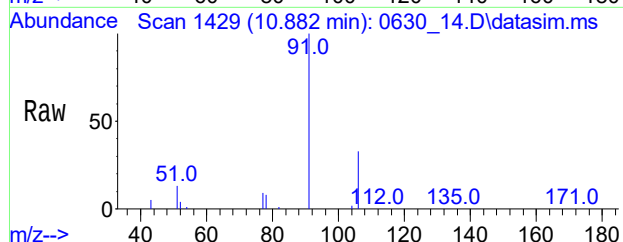
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6561		
119	103.0	77.8	116.6	
121	30.4	24.5	36.7	





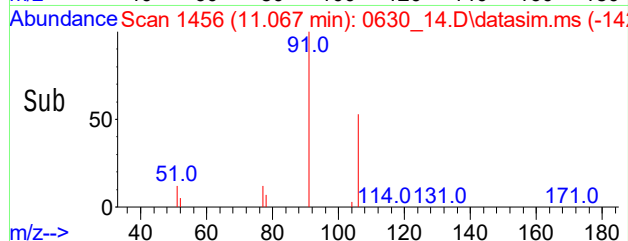
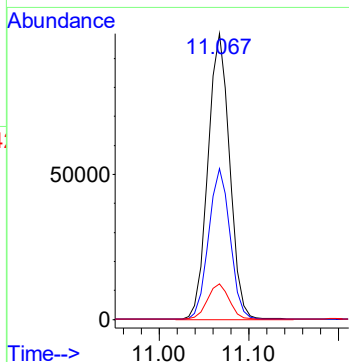
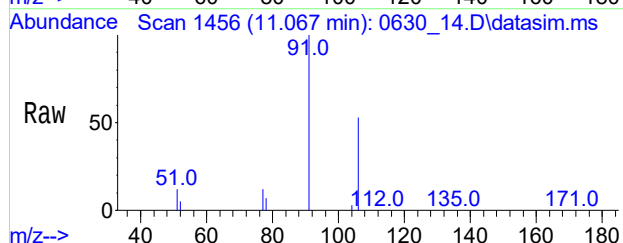
#108
Ethylbenzene(sim)
Conc: 8\$ 0.286 ppb
RT: 10.882 min Scan# 1429
Delta R.T. 0.007 min
Lab File: 0630_14.D
Acq: 1 Jul 2021 12:03 am

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	47989		
106	33.3	26.6	40.0	
77	8.7	7.0	10.6	



#109
m,p-Xylene(sim)
Conc: 8\$ 1.328 ppbv
RT: 11.064 min Scan# 1456
Delta R.T. 0.007 min
Lab File: 0630_14.D
Acq: 1 Jul 2021 12:03 am

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	153143		
106	52.1	46.5	56.9	
77	13.0	10.2	15.4	



Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_15.D
 Acq On : 1 Jul 2021 12:43 am
 Operator : Keith
 Client ID : IA-04
 Lab ID : CI65776
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 01 08:24:43 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

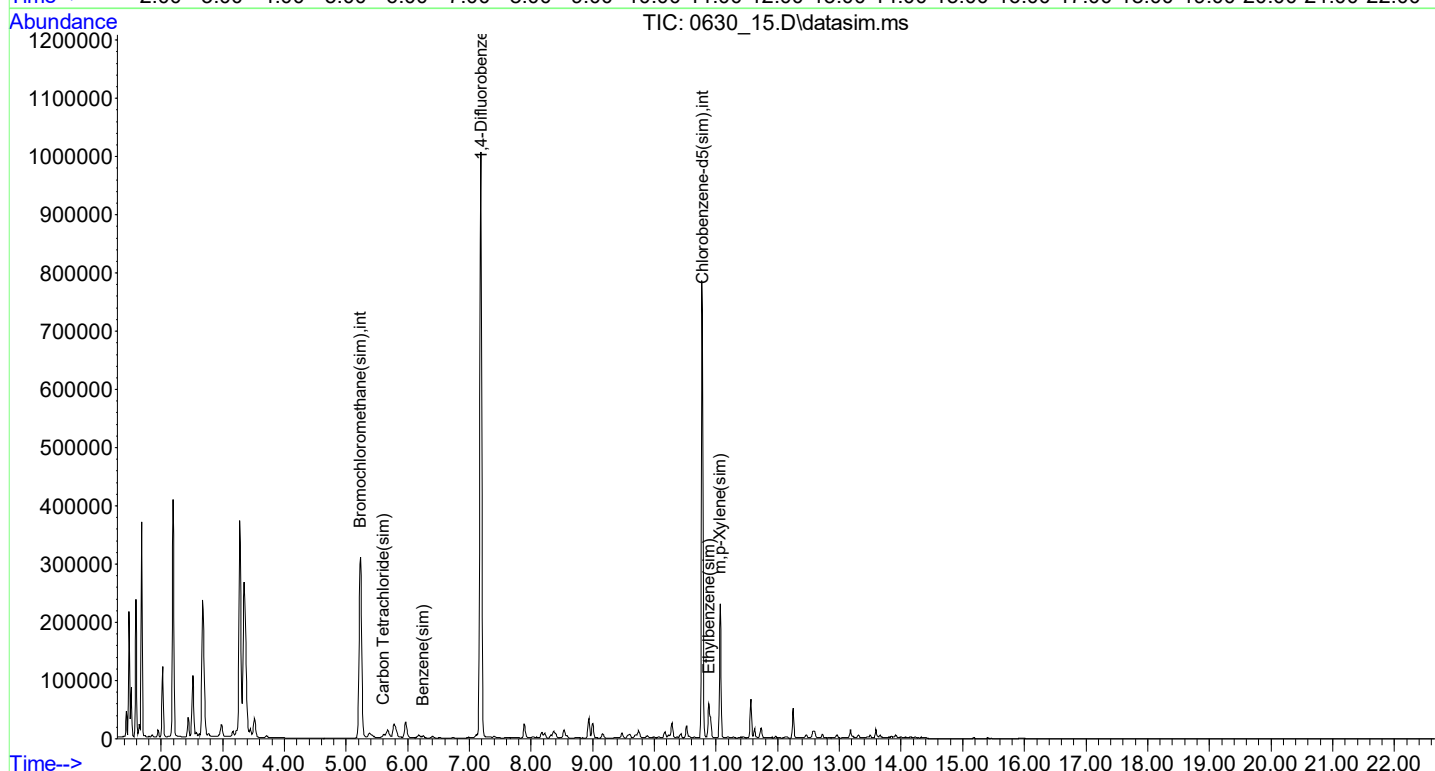
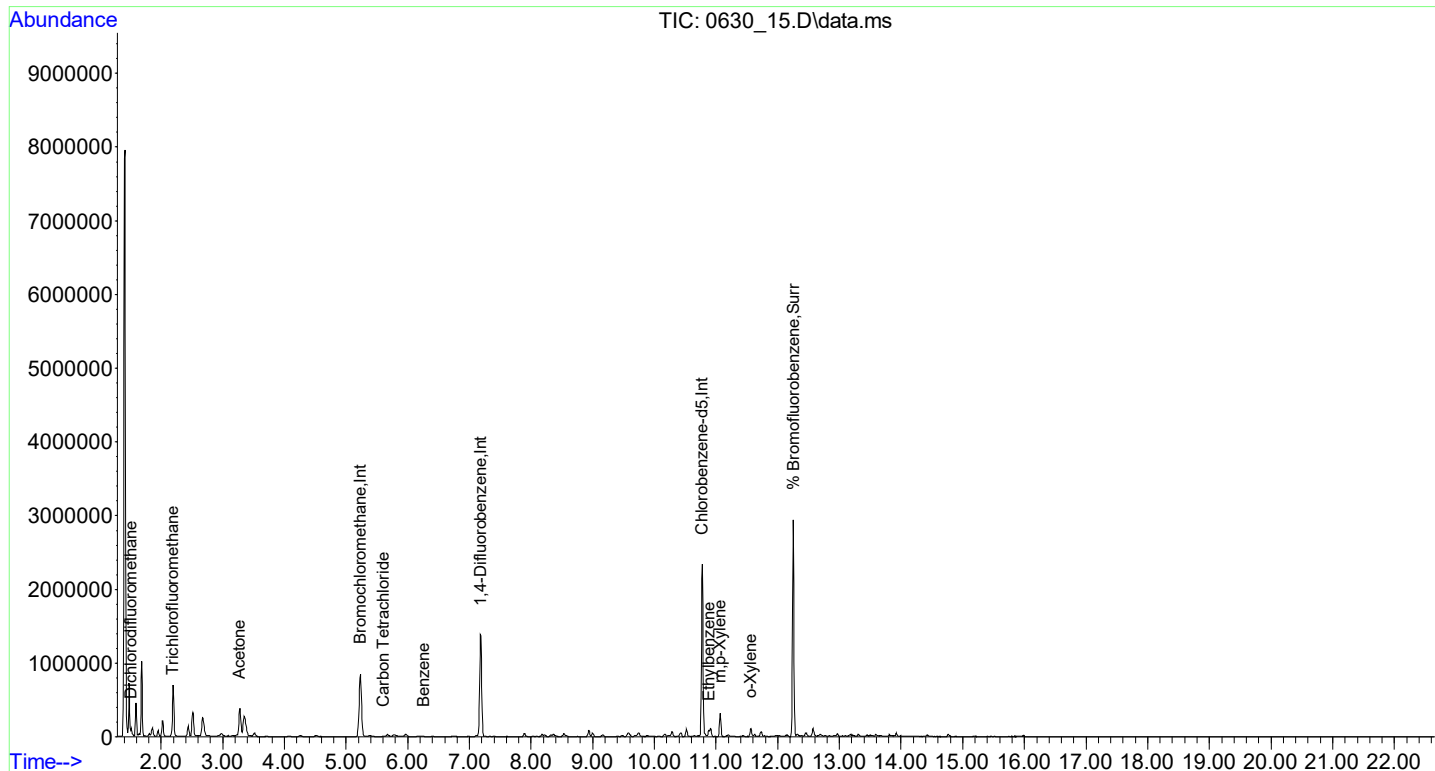
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	130	465298	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.185	114	1438292	10.000	ng	0.01
53) Chlorobenzene-d5	10.776	82	614836	10.000	ng	0.01
80) Bromochloromethane(sim)	5.233	130	456558	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.185	114	1438292	10.000	ng	0.01
105) Chlorobenzene-d5(sim)	10.776	82	614836	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.252	95	876064	9.775	ppbv	0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.80%
Target Compounds						
3) Dichlorodifluoromethane	1.514	85	60282	0.646	ppbv	Qvalue 100
12) Acetone	3.273	43	578958	8.026	ppbv	99
13) Trichlorofluoromethane	2.185	101	80750	0.782	ppbv	99
33) Benzene	6.254	78	6052	0.066	ppbv	96
34) Carbon Tetrachloride	5.605	117	6577	0.067	ppbv	96
48) Toluene	8.997	91	22796	0.198	ppbv	100
56) Ethylbenzene	10.886	91	53692	0.337	ppbv	99
57) m,p-Xylene	11.064	91	182924	1.560	ppbv	100
61) o-Xylene	11.565	91	51867	0.421	ppbv	99
86) Benzene(sim)	6.250	78	6009	0.056	ppbv	97
87) Carbon Tetrachloride(sim)	5.605	117	6509	0.065	ppbv	100
108) Ethylbenzene(sim)	10.882	91	57487	0.337	ppb	100
109) m,p-Xylene(sim)	11.064	91	183111	1.560	ppbv	100

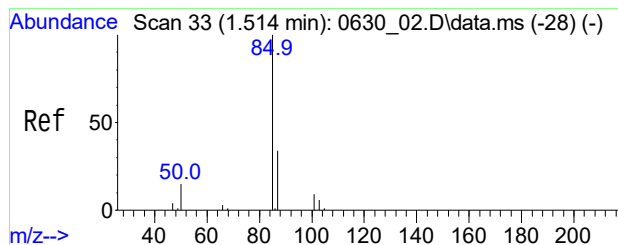
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_15.D
 Acq On : 1 Jul 2021 12:43 am
 Operator : Keith
 Client ID : IA-04
 Lab ID : CI65776
 ALS Vial : 15 Sample Multiplier: 1

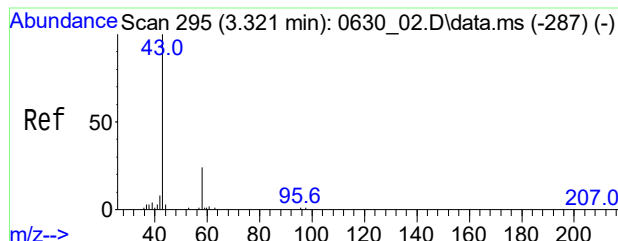
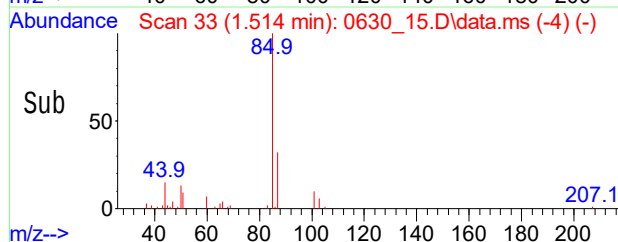
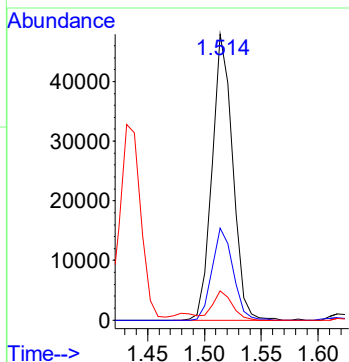
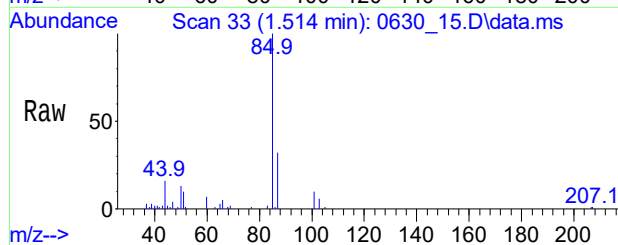
Quant Time: Jul 01 08:24:43 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration





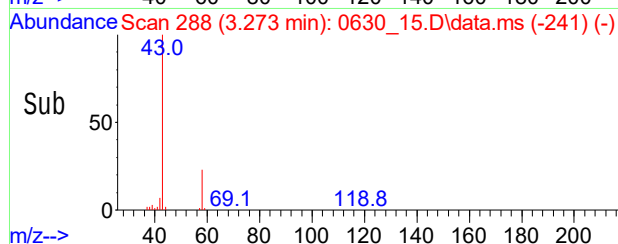
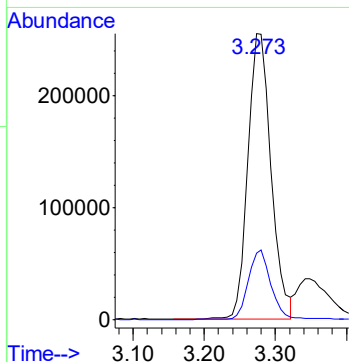
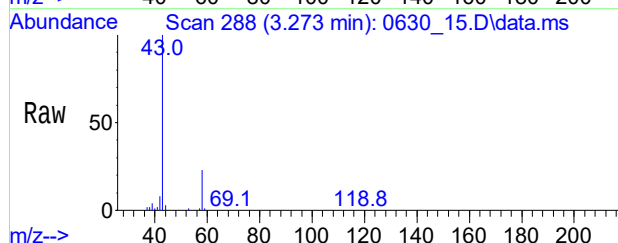
#3
Dichlorodifluoromethane
Conc: 8\$ 0.646 ppbv
RT: 1.514 min Scan# 33
Delta R.T. 0.000 min
Lab File: 0630_15.D
Acq: 1 Jul 2021 12:43 am

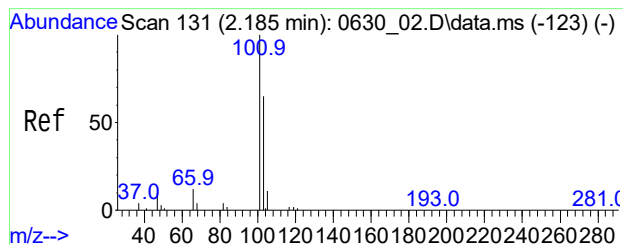
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	60282		
87	32.8	26.2	39.4	
101	9.8	8.2	12.4	



#12
Acetone
Conc: 8\$ 8.026 ppbv
RT: 3.273 min Scan# 288
Delta R.T. 0.021 min
Lab File: 0630_15.D
Acq: 1 Jul 2021 12:43 am

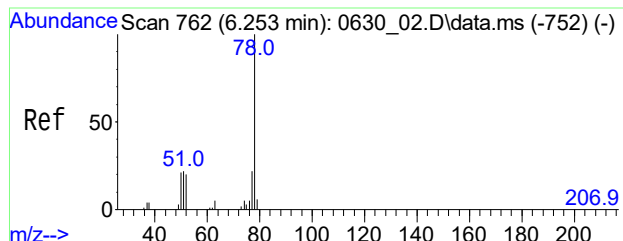
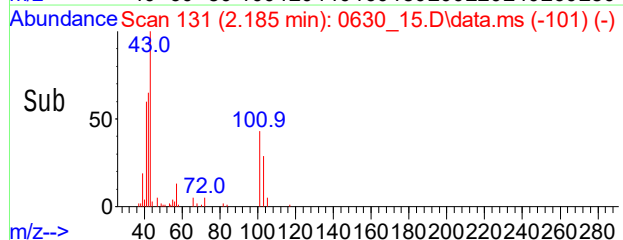
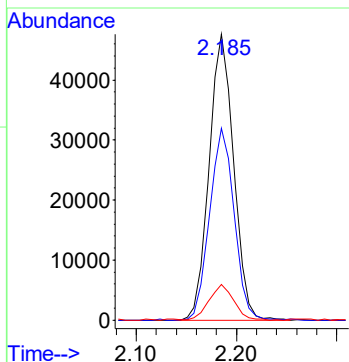
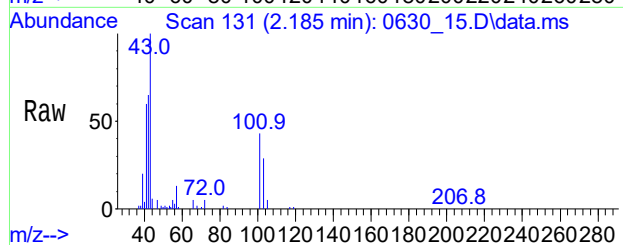
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	578958		
58	23.9	19.4	29.0	





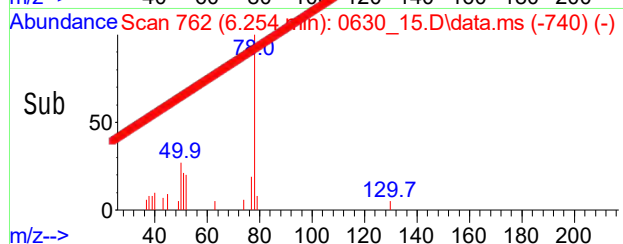
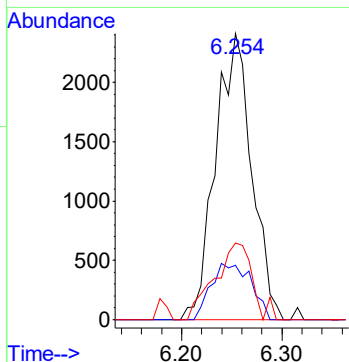
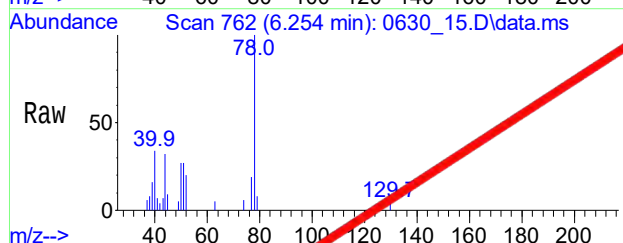
#13
Trichlorofluoromethane
Conc: 8\$ 0.782 ppbv
RT: 2.185 min Scan# 131
Delta R.T. 0.007 min
Lab File: 0630_15.D
Acq: 1 Jul 2021 12:43 am

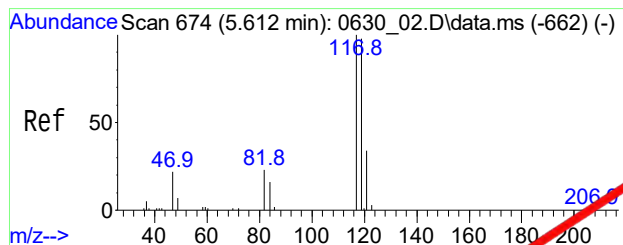
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	80750		
103	67.6	53.1	79.7	
66	12.8	10.1	15.1	



#33
Benzene
Conc: 8\$ Below Cal
RT: 6.254 min Scan# 762
Delta R.T. 0.014 min
Lab File: 0630_15.D
Acq: 1 Jul 2021 12:43 am

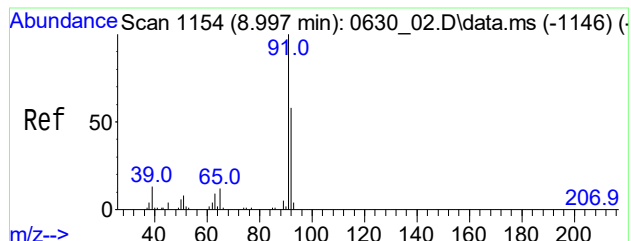
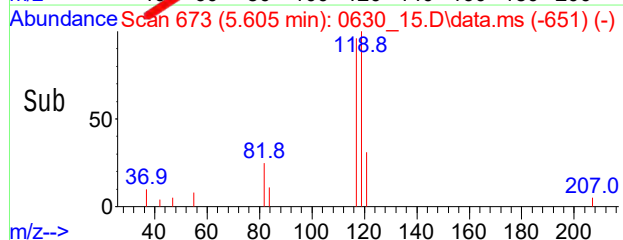
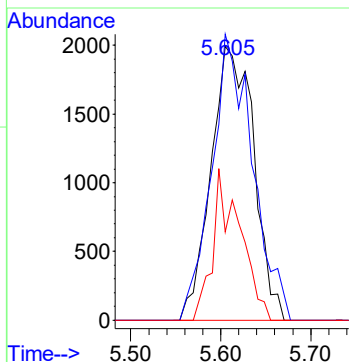
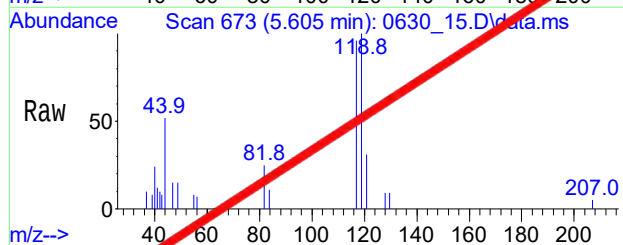
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	6052		
77	21.5	18.6	27.8	
51	27.7	20.4	30.6	





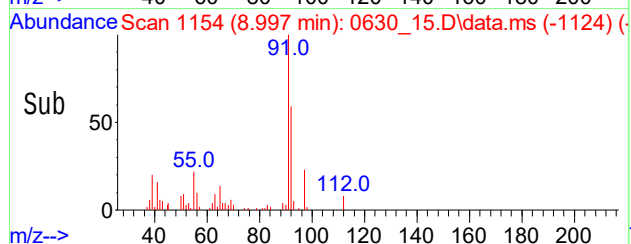
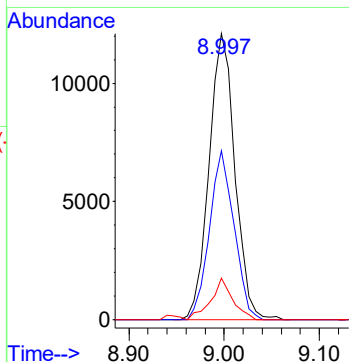
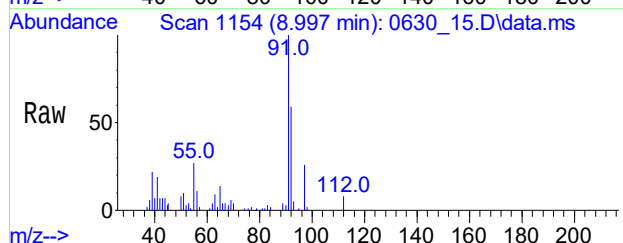
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.605 min Scan# 673
Delta R.T. 0.007 min
Lab File: 0630_15.D
Acq: 1 Jul 2021 12:43 am

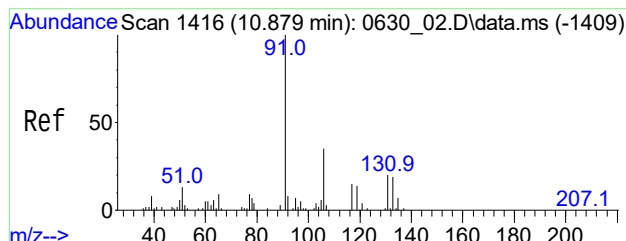
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6577		
119	99.7	77.2	117.2	
121	35.4	10.8	50.8	



#48
Toluene
Conc: 8\$ 0.198 ppbv
RT: 8.997 min Scan# 1154
Delta R.T. 0.015 min
Lab File: 0630_15.D
Acq: 1 Jul 2021 12:43 am

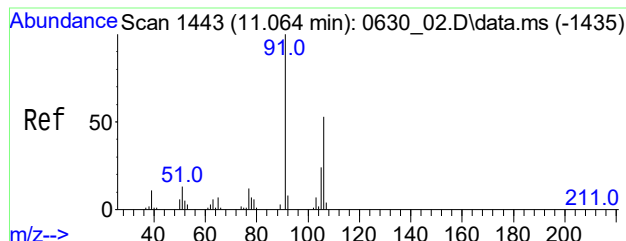
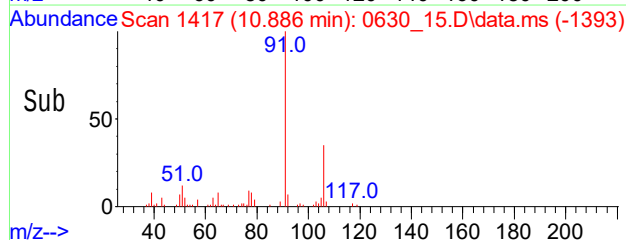
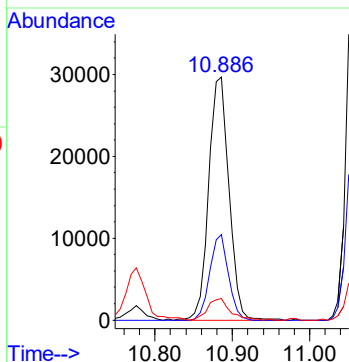
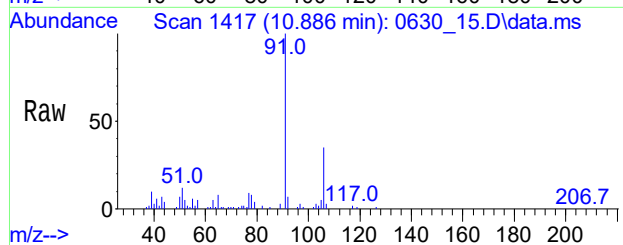
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	22796		
92	56.2	44.8	67.2	
65	12.1	9.8	14.6	





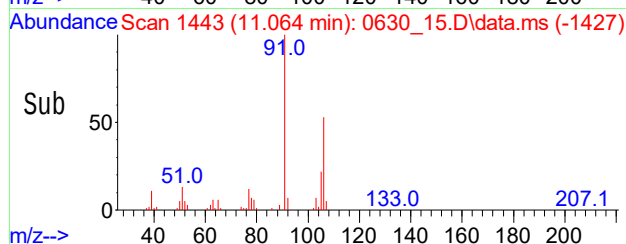
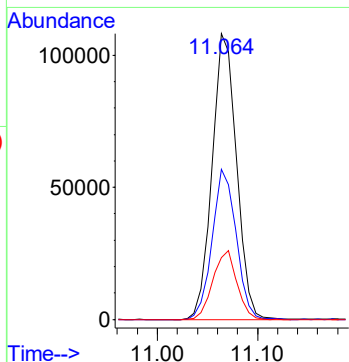
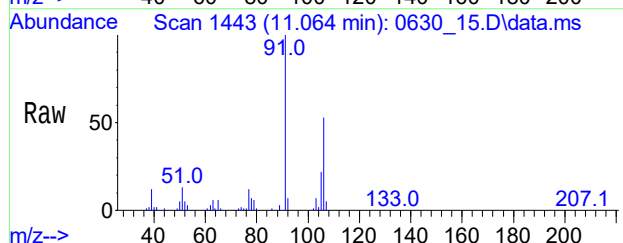
#56
Ethylbenzene
Conc: 8\$ 0.337 ppbv
RT: 10.886 min Scan# 1417
Delta R.T. 0.014 min
Lab File: 0630_15.D
Acq: 1 Jul 2021 12:43 am

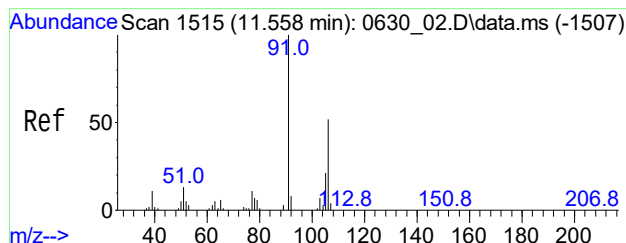
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	53692		
106	32.3	12.7	52.7	
77	9.6	0.0	28.0	



#57
m,p-Xylene
Conc: 8\$ 1.560 ppbv
RT: 11.064 min Scan# 1443
Delta R.T. 0.007 min
Lab File: 0630_15.D
Acq: 1 Jul 2021 12:43 am

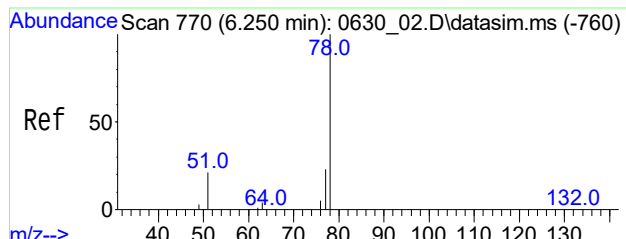
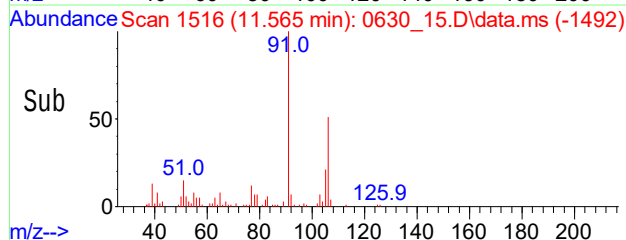
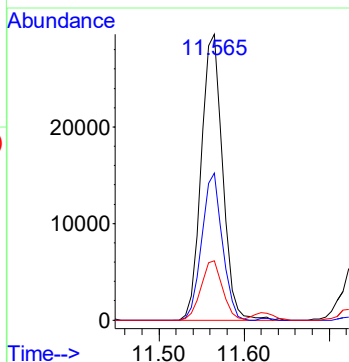
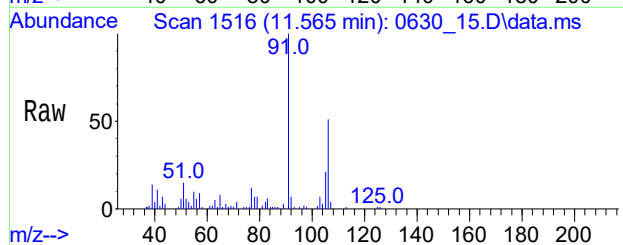
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	182924		
106	51.8	41.4	62.2	
105	23.7	19.4	29.0	





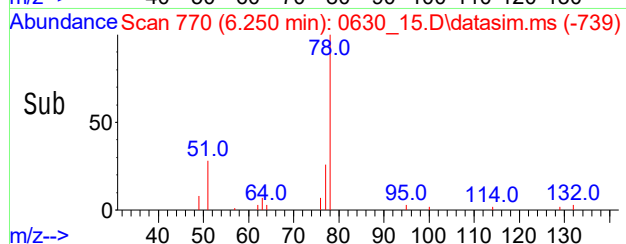
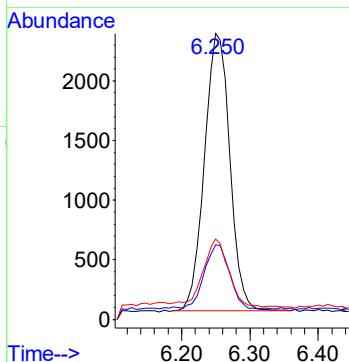
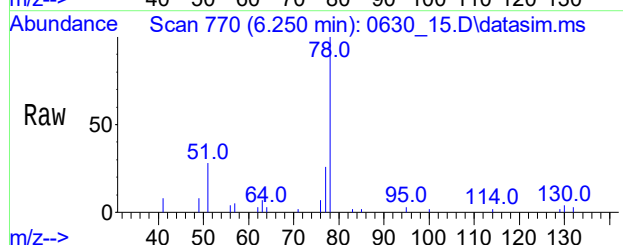
#61
o-Xylene
Conc: 8\$ 0.421 ppbv
RT: 11.565 min Scan# 1516
Delta R.T. 0.014 min
Lab File: 0630_15.D
Acq: 1 Jul 2021 12:43 am

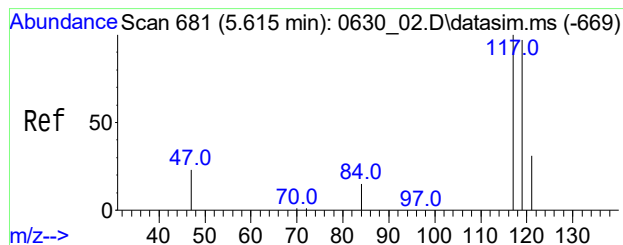
Tgt Ion: 91 Resp: 51867
Ion Ratio Lower Upper
91 100
106 49.4 40.0 60.0
105 20.9 17.4 26.0



#86
Benzene(sim)
Conc: 8\$ 0.056 ppbv
RT: 6.250 min Scan# 770
Delta R.T. 0.014 min
Lab File: 0630_15.D
Acq: 1 Jul 2021 12:43 am

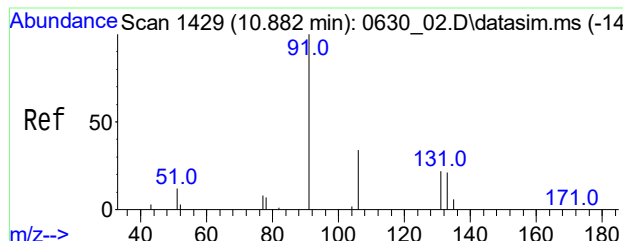
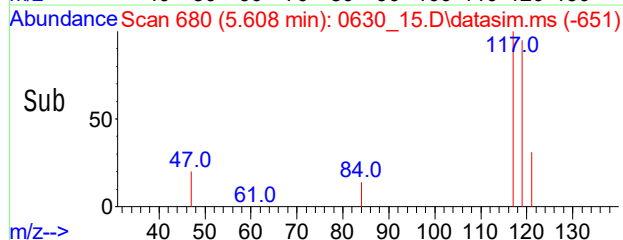
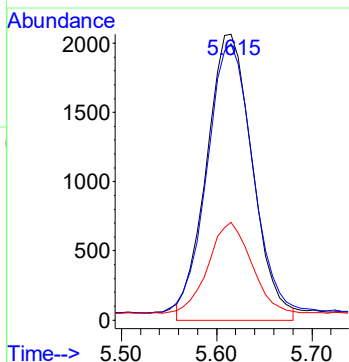
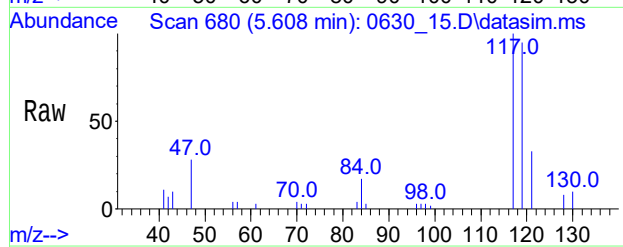
Tgt Ion: 78 Resp: 6009
Ion Ratio Lower Upper
78 100
77 22.7 20.2 30.4
51 23.5 18.4 27.6





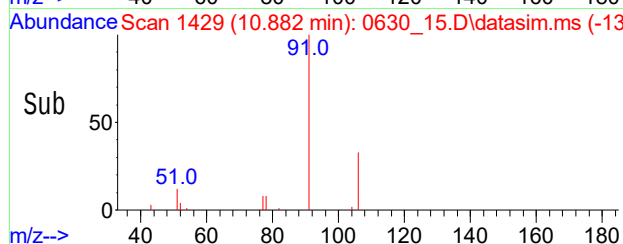
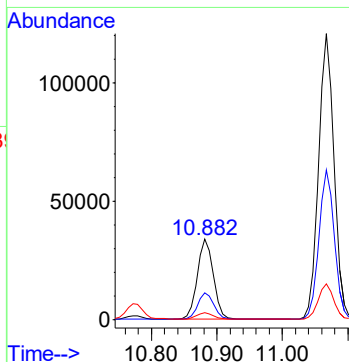
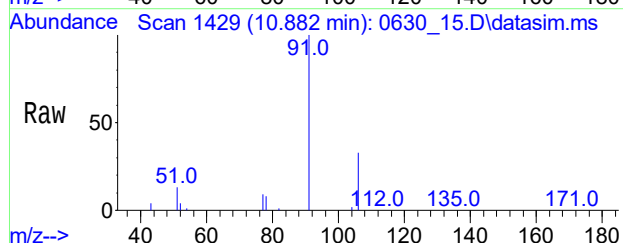
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.065 ppbv
RT: 5.605 min Scan# 680
Delta R.T. 0.007 min
Lab File: 0630_15.D
Acq: 1 Jul 2021 12:43 am

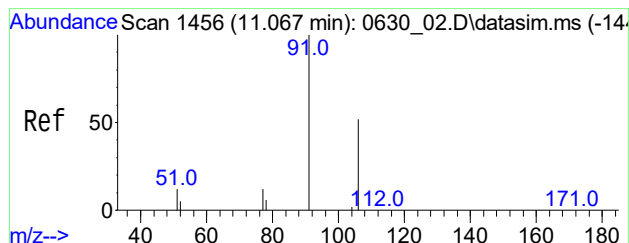
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6509		
119	97.0	77.8	116.6	
121	31.1	24.5	36.7	



#108
Ethylbenzene(sim)
Conc: 8\$ 0.337 ppb
RT: 10.882 min Scan# 1429
Delta R.T. 0.007 min
Lab File: 0630_15.D
Acq: 1 Jul 2021 12:43 am

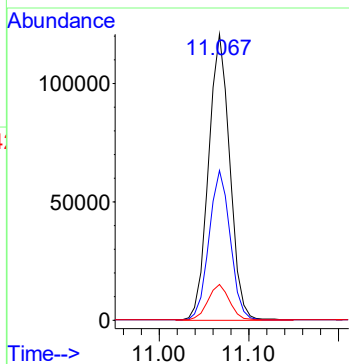
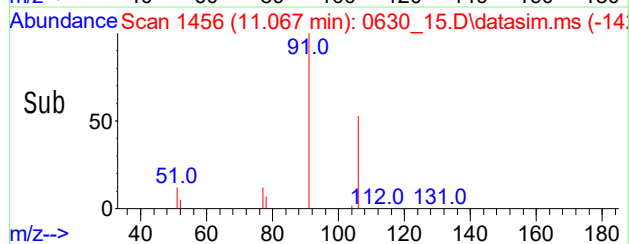
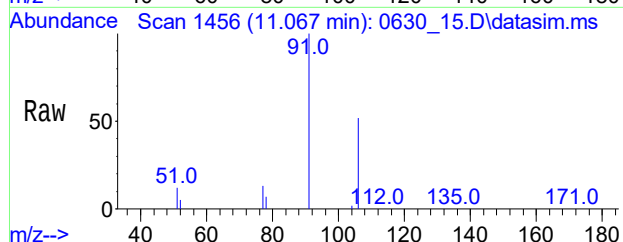
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	57487		
106	33.2	26.6	40.0	
77	8.6	7.0	10.6	





#109
 m,p-Xylene(sim)
 Conc: 8\$ 1.560 ppbv
 RT: 11.064 min Scan# 1456
 Delta R.T. 0.007 min
 Lab File: 0630_15.D
 Acq: 1 Jul 2021 12:43 am

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	183111		
106	51.7	46.5	56.9	
77	12.2	10.2	15.4	



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI65769	Lab Sample ID:	CI65777
Canister:	28587	Lab File ID:	0630_16.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	06/30/21
Matrix:	AIR	Date Analyzed:	07/01/21
		Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_16.D
 Acq On : 1 Jul 2021 1:24 am
 Operator : Keith
 Client ID : FIELD BLANK
 Lab ID : CI65777
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 08:25:26 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

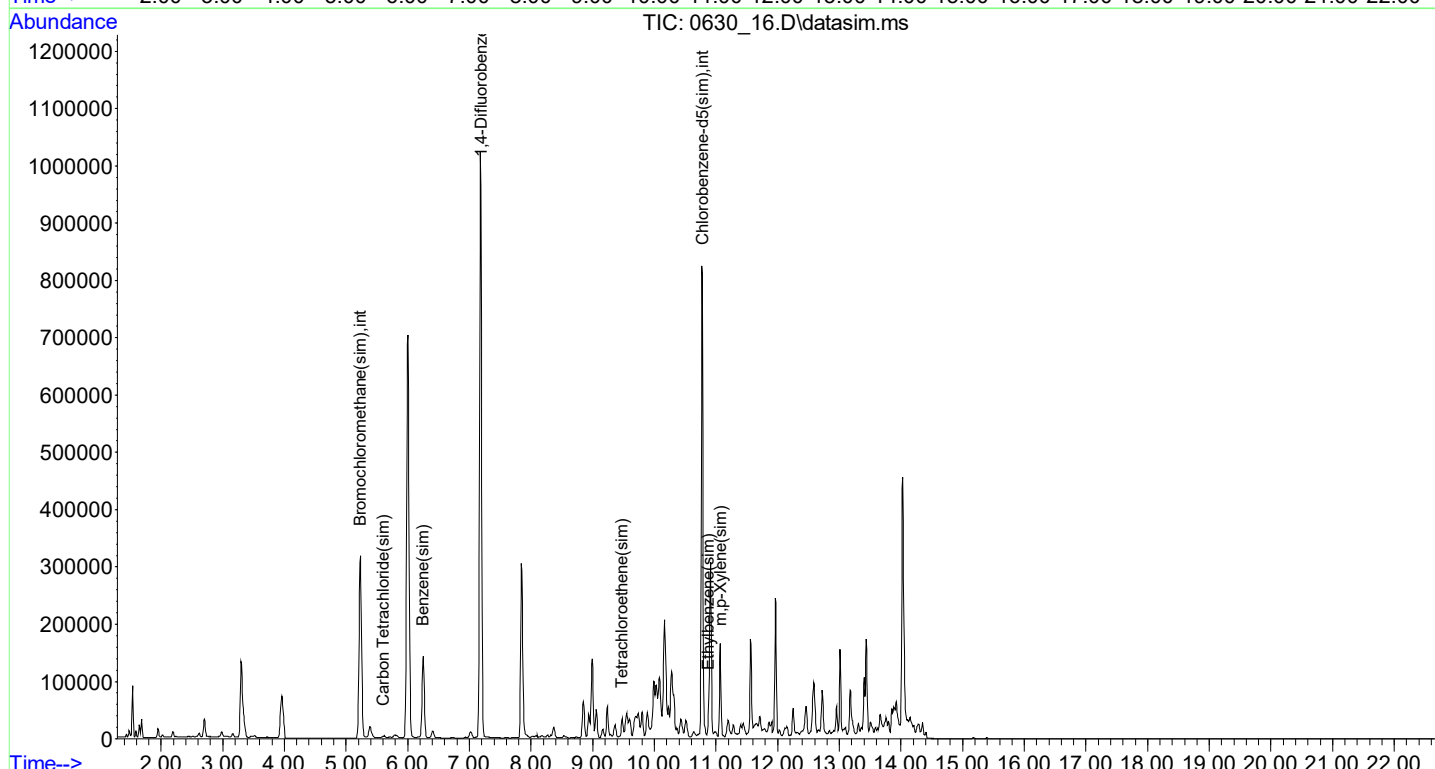
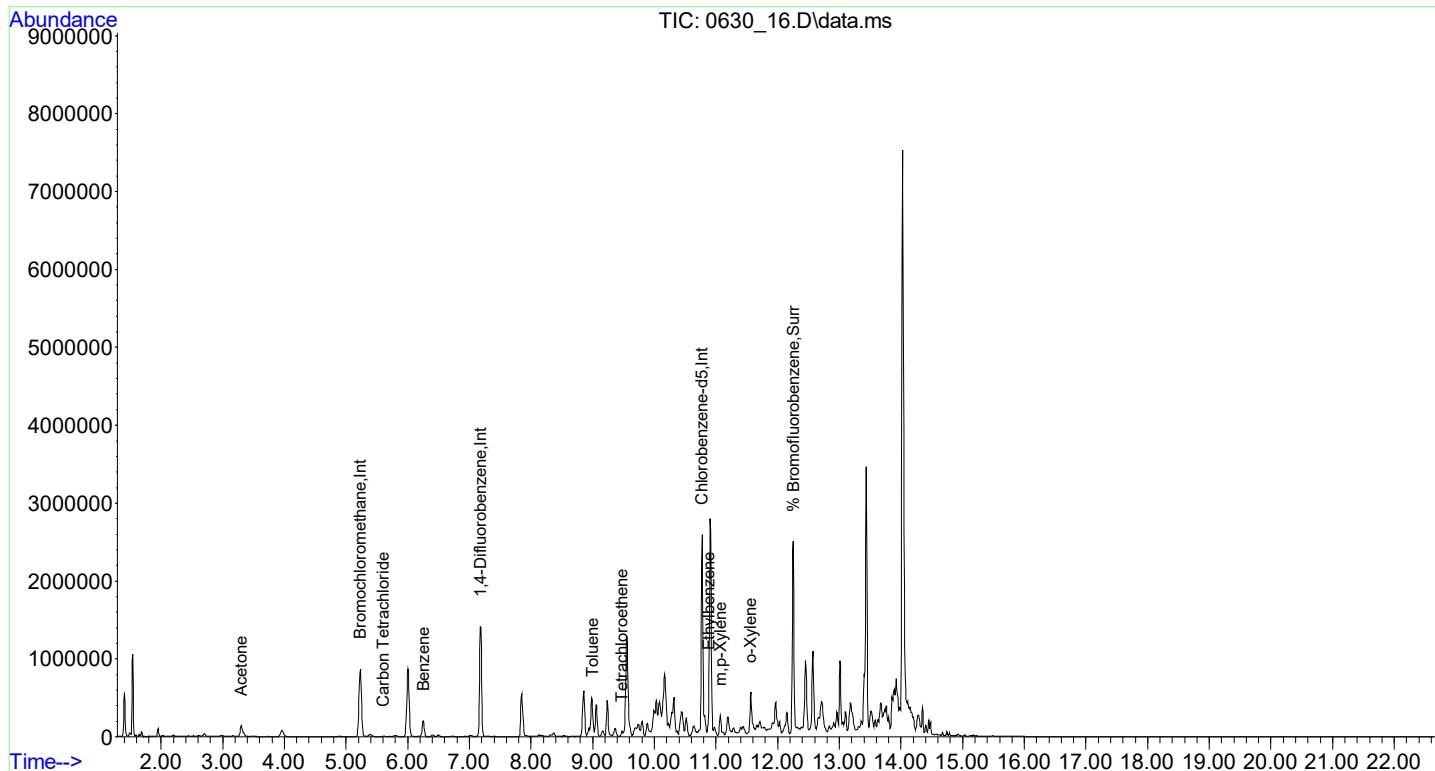
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	130	480472	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.185	114	1471799	10.000	ng	0.01
53) Chlorobenzene-d5	10.776	82	647022	10.000	ng	0.01
80) Bromochloromethane(sim)	5.233	130	467958	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.185	114	1471799	10.000	ng	0.01
105) Chlorobenzene-d5(sim)	10.776	82	647022	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.252	95	784844	8.322	ppbv	0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	83.20%
Target Compounds						
12) Acetone	3.301	43	234867	3.153	ppbv	Qvalue 96
33) Benzene	6.254	78	208860	2.202	ppbv	97
34) Carbon Tetrachloride	5.605	117	3844	0.038	ppbv	86
48) Toluene	8.997	91	101178	0.857	ppbv#	97
52) Tetrachloroethene	9.474	166	12793	0.154	ppbv	97
56) Ethylbenzene	10.886	91	36345	0.217	ppbv	97
57) m,p-Xylene	11.071	91	130711	1.059	ppbv	100
61) o-Xylene	11.565	91	85872	0.663	ppbv	96
86) Benzene(sim)	6.250	78	226495	2.057	ppbv	97
87) Carbon Tetrachloride(sim)	5.605	117	3844	0.037	ppbv#	78
104) Tetrachloroethene(sim)	9.477	166	12847	0.153	ppbv	100
108) Ethylbenzene(sim)	10.882	91	38677	0.215	ppb #	98
109) m,p-Xylene(sim)	11.071	91	130711	1.058	ppbv	99

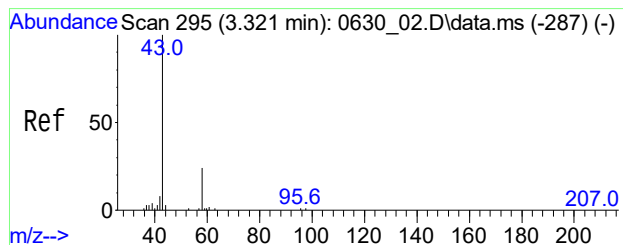
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_16.D
 Acq On : 1 Jul 2021 1:24 am
 Operator : Keith
 Client ID : FIELD BLANK
 Lab ID : CI65777
 ALS Vial : 16 Sample Multiplier: 1

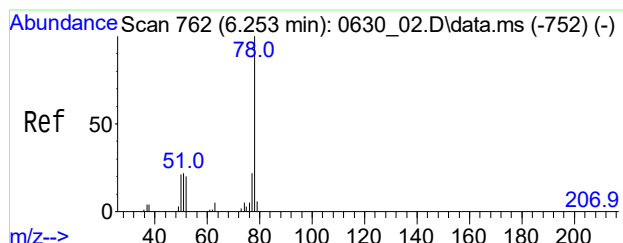
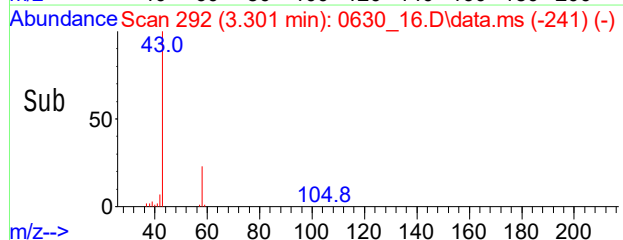
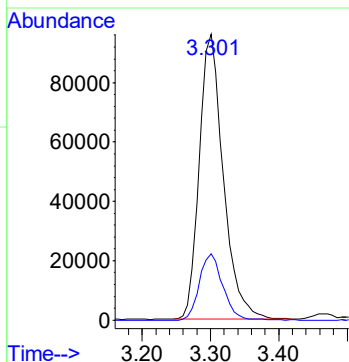
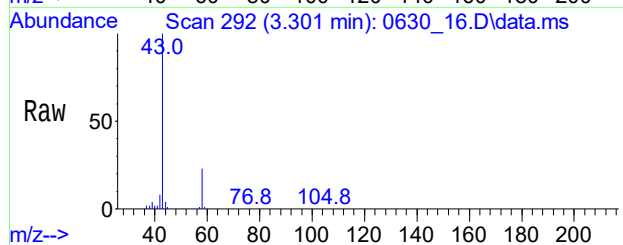
Quant Time: Jul 01 08:25:26 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration





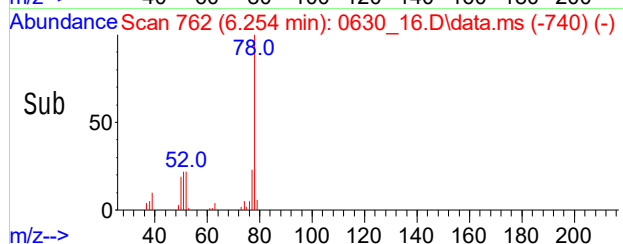
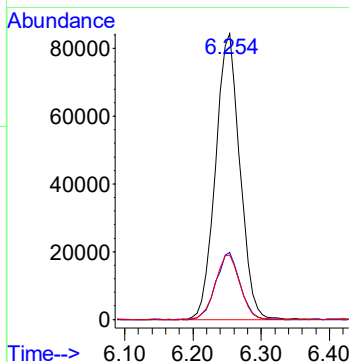
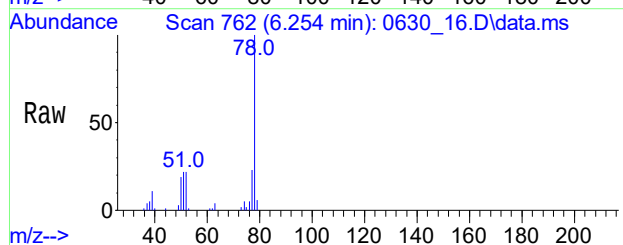
#12
Acetone
Conc: 8\$ 3.153 ppbv
RT: 3.301 min Scan# 292
Delta R.T. 0.048 min
Lab File: 0630_16.D
Acq: 1 Jul 2021 1:24 am

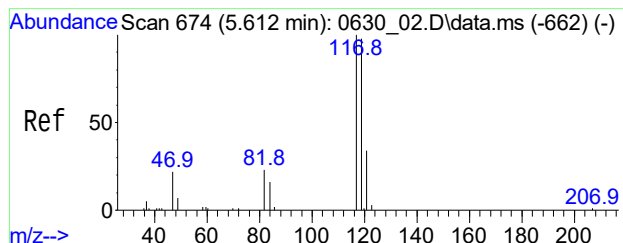
Tgt Ion: 43 Resp: 234867
Ion Ratio Lower Upper
43 100
58 22.4 19.4 29.0



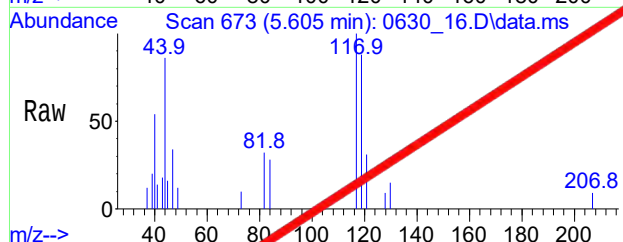
#33
Benzene
Conc: 8\$ 2.202 ppbv
RT: 6.254 min Scan# 762
Delta R.T. 0.014 min
Lab File: 0630_16.D
Acq: 1 Jul 2021 1:24 am

Tgt Ion: 78 Resp: 208860
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8
51 23.1 20.4 30.6

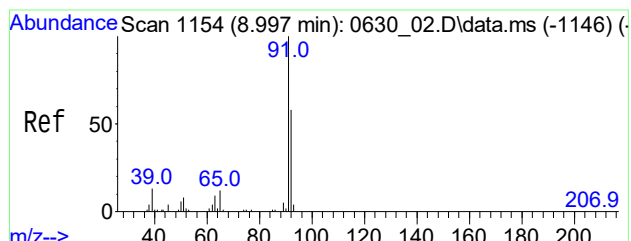
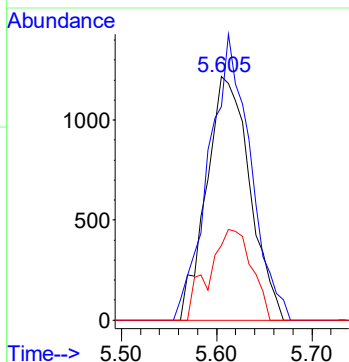
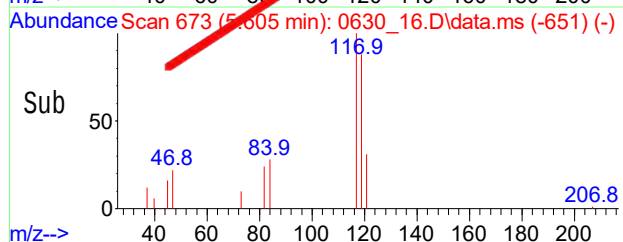




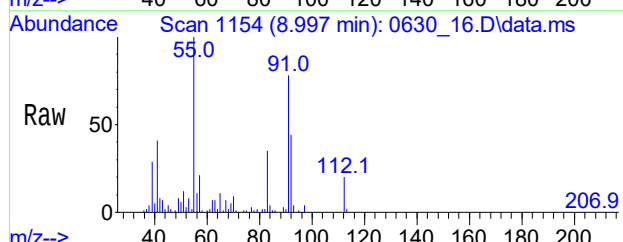
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.605 min Scan# 673
Delta R.T. 0.007 min
Lab File: 0630_16.D
Acq: 1 Jul 2021 1:24 am



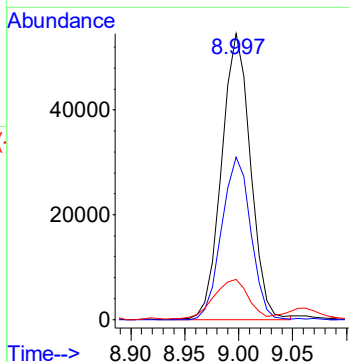
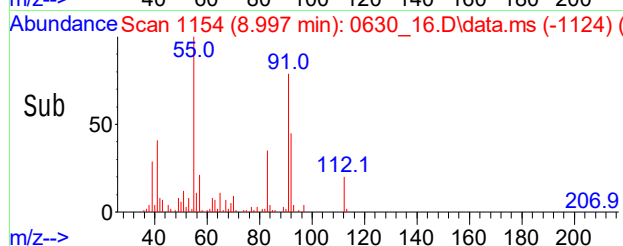
Tgt Ion: 117 Resp: 3844
Ion Ratio Lower Upper
117 100
119 112.3 77.2 117.2
121 36.6 10.8 50.8

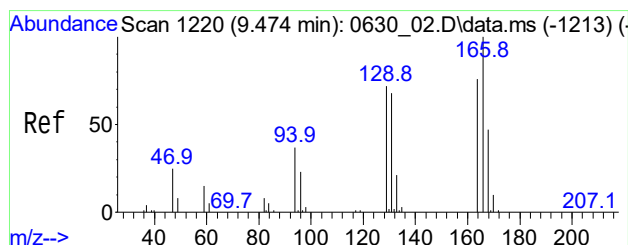


#48
Toluene
Conc: 8\$ 0.857 ppbv
RT: 8.997 min Scan# 1154
Delta R.T. 0.015 min
Lab File: 0630_16.D
Acq: 1 Jul 2021 1:24 am



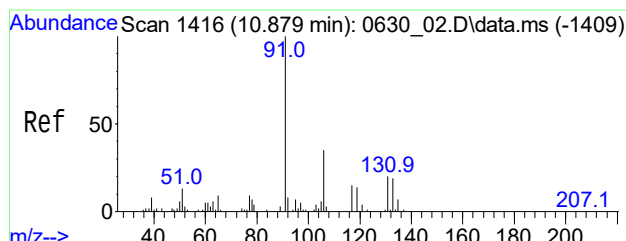
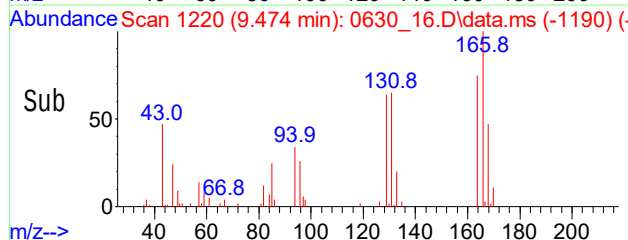
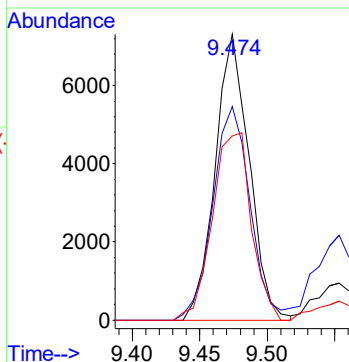
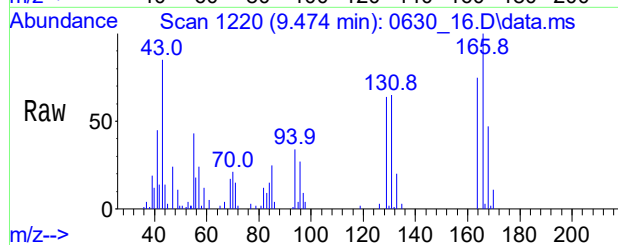
Tgt Ion: 91 Resp: 101178
Ion Ratio Lower Upper
91 100
92 57.4 44.8 67.2
65 16.4 9.8 14.6#





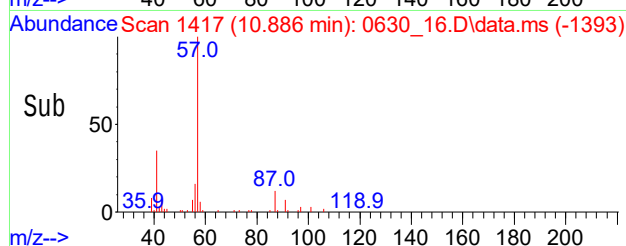
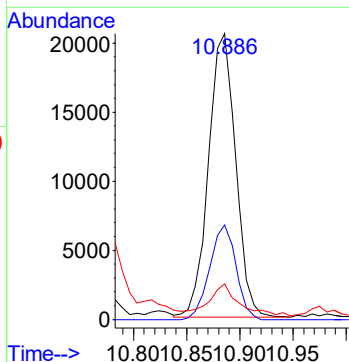
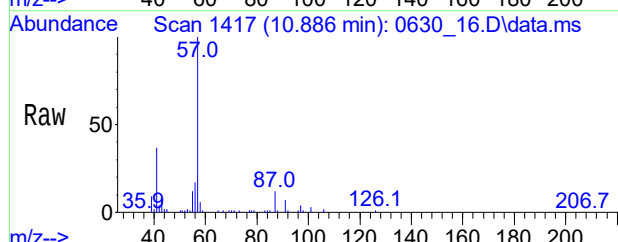
#52
Tetrachloroethene
Conc: 8\$ 0.154 ppbv
RT: 9.474 min Scan# 1220
Delta R.T. 0.015 min
Lab File: 0630_16.D
Acq: 1 Jul 2021 1:24 am

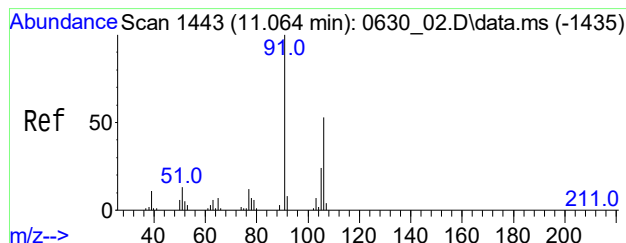
Tgt Ion: 166 Resp: 12793
Ion Ratio Lower Upper
166 100
164 81.6 62.1 93.1
129 74.9 59.5 89.3



#56
Ethylbenzene
Conc: 8\$ 0.217 ppbv
RT: 10.886 min Scan# 1417
Delta R.T. 0.014 min
Lab File: 0630_16.D
Acq: 1 Jul 2021 1:24 am

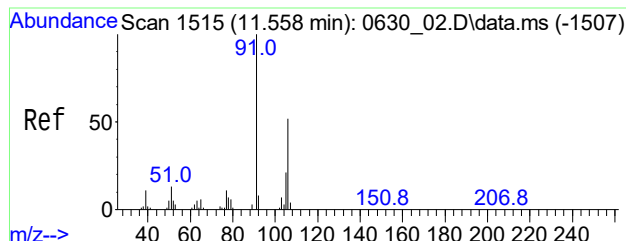
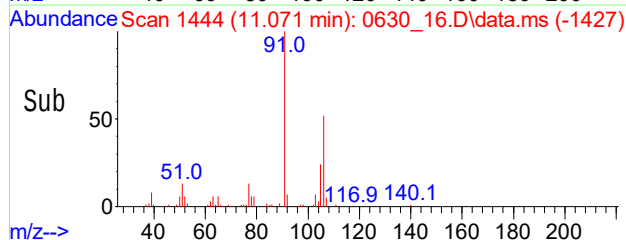
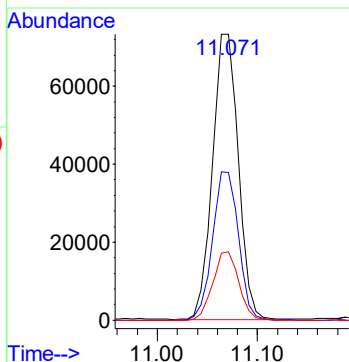
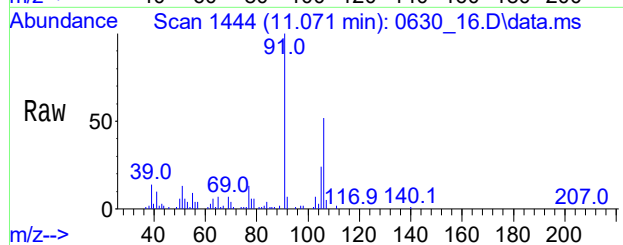
Tgt Ion: 91 Resp: 36345
Ion Ratio Lower Upper
91 100
106 32.1 12.7 52.7
77 12.2 0.0 28.0





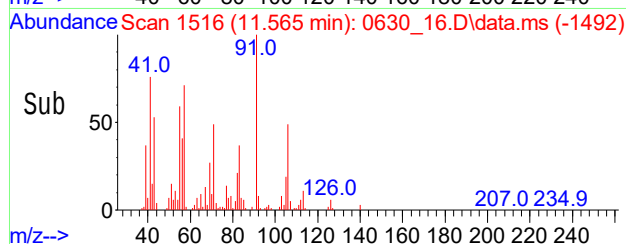
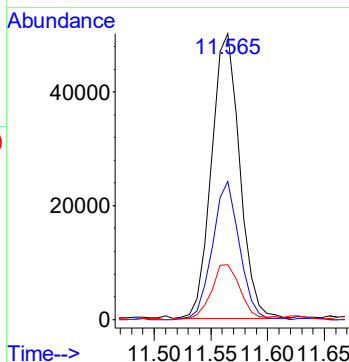
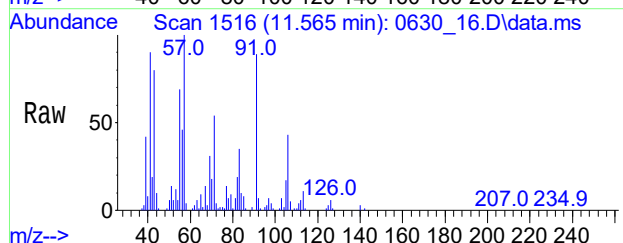
#57
m,p-Xylene
Conc: 8\$ 1.059 ppbv
RT: 11.071 min Scan# 1444
Delta R.T. 0.014 min
Lab File: 0630_16.D
Acq: 1 Jul 2021 1:24 am

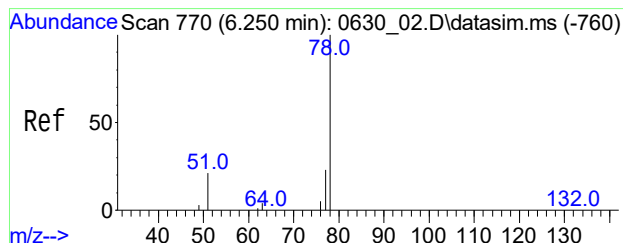
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	130711		
106	52.1	41.4	62.2	
105	24.1	19.4	29.0	



#61
o-Xylene
Conc: 8\$ 0.663 ppbv
RT: 11.565 min Scan# 1516
Delta R.T. 0.014 min
Lab File: 0630_16.D
Acq: 1 Jul 2021 1:24 am

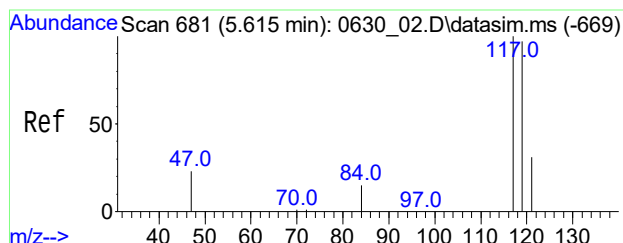
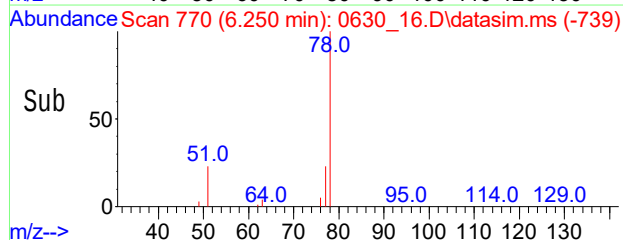
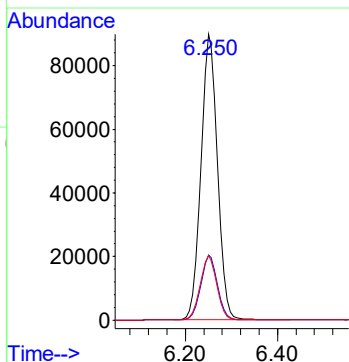
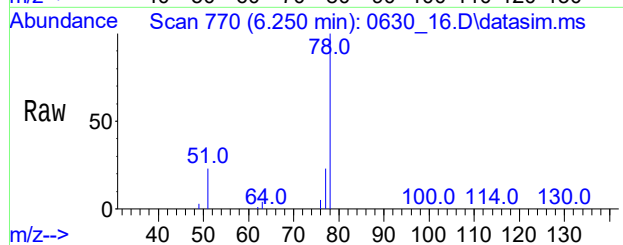
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	85872		
106	46.7	40.0	60.0	
105	20.3	17.4	26.0	





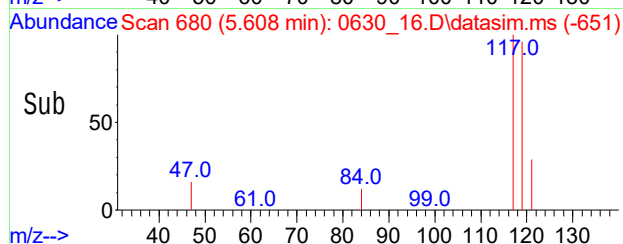
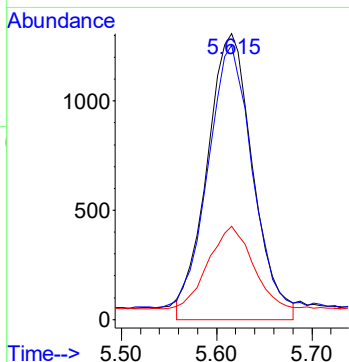
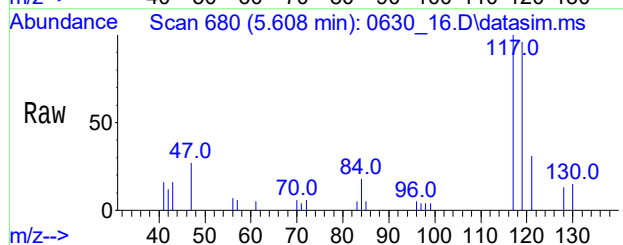
#86
Benzene(sim)
Conc: 8\$ 2.057 ppbv
RT: 6.250 min Scan# 770
Delta R.T. 0.014 min
Lab File: 0630_16.D
Acq: 1 Jul 2021 1:24 am

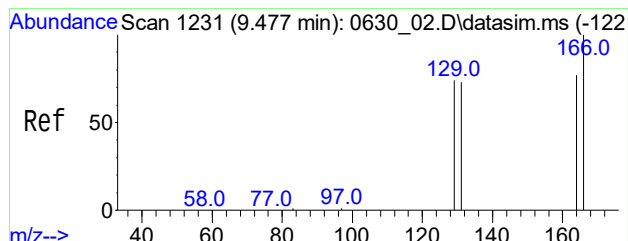
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	226495		
77	22.6	20.2	30.4	
51	22.3	18.4	27.6	



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.037 ppbv
RT: 5.605 min Scan# 680
Delta R.T. 0.007 min
Lab File: 0630_16.D
Acq: 1 Jul 2021 1:24 am

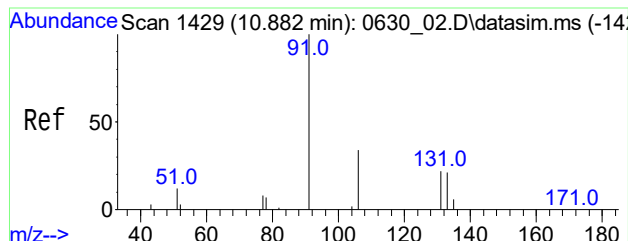
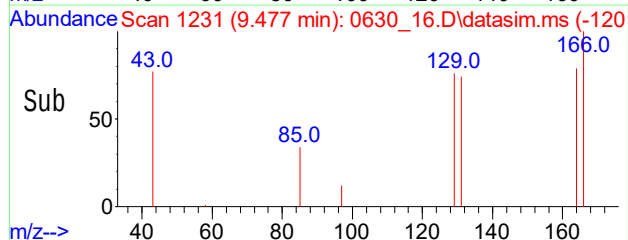
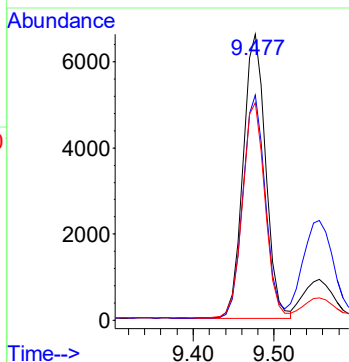
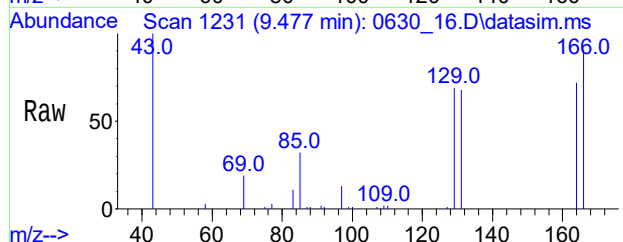
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3844		
119	112.3	77.8	116.6	
121	7.9	24.5	36.7#	





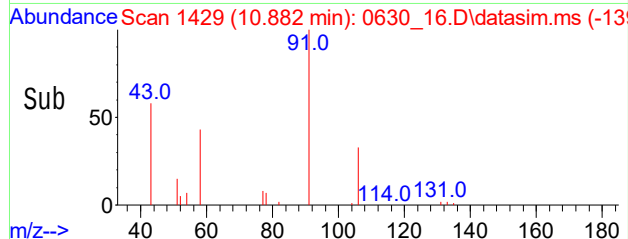
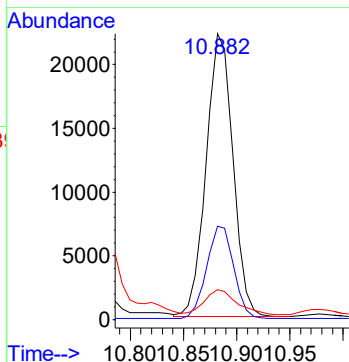
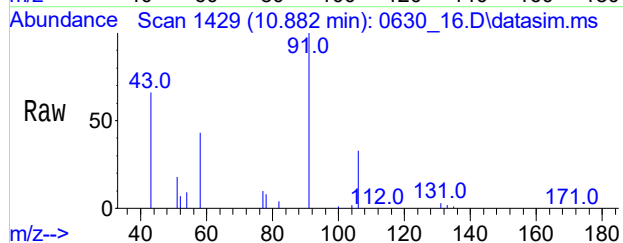
#104
Tetrachloroethene(sim)
Conc: 8\$ 0.153 ppbv
RT: 9.477 min Scan# 1231
Delta R.T. 0.015 min
Lab File: 0630_16.D
Acq: 1 Jul 2021 1:24 am

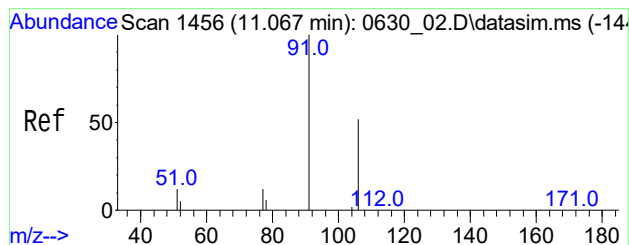
Tgt Ion: 166 Resp: 12847
Ion Ratio Lower Upper
166 100
164 78.2 58.2 98.2
129 75.5 55.3 95.3



#108
Ethylbenzene(sim)
Conc: 8\$ 0.215 ppb
RT: 10.882 min Scan# 1429
Delta R.T. 0.007 min
Lab File: 0630_16.D
Acq: 1 Jul 2021 1:24 am

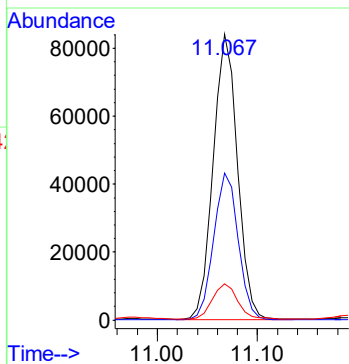
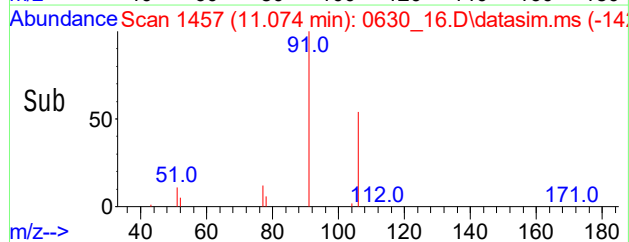
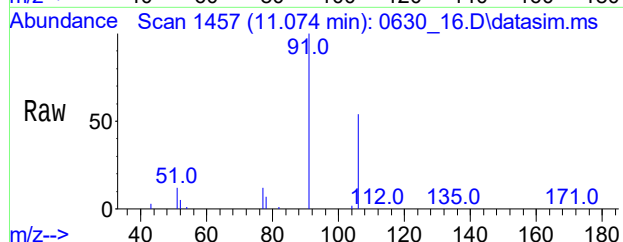
Tgt Ion: 91 Resp: 38677
Ion Ratio Lower Upper
91 100
106 33.2 26.6 40.0
77 11.3 7.0 10.6#





#109
 m,p-Xylene(sim)
 Conc: 8\$ 1.058 ppbv
 RT: 11.071 min Scan# 1457
 Delta R.T. 0.014 min
 Lab File: 0630_16.D
 Acq: 1 Jul 2021 1:24 am

Tgt Ion: 91 Resp: 130711
 Ion Ratio Lower Upper
 91 100
 106 52.1 46.5 56.9
 77 13.1 10.2 15.4



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI65769	Lab Sample ID:	CI65778
Canister:	23338	Lab File ID:	0630_17.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	06/30/21
		Date Analyzed:	07/01/21
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_17.D
 Acq On : 1 Jul 2021 2:13 am
 Operator : Keith
 Client ID : IA-05
 Lab ID : CI65778
 ALS Vial : 17 Sample Multiplier: 1

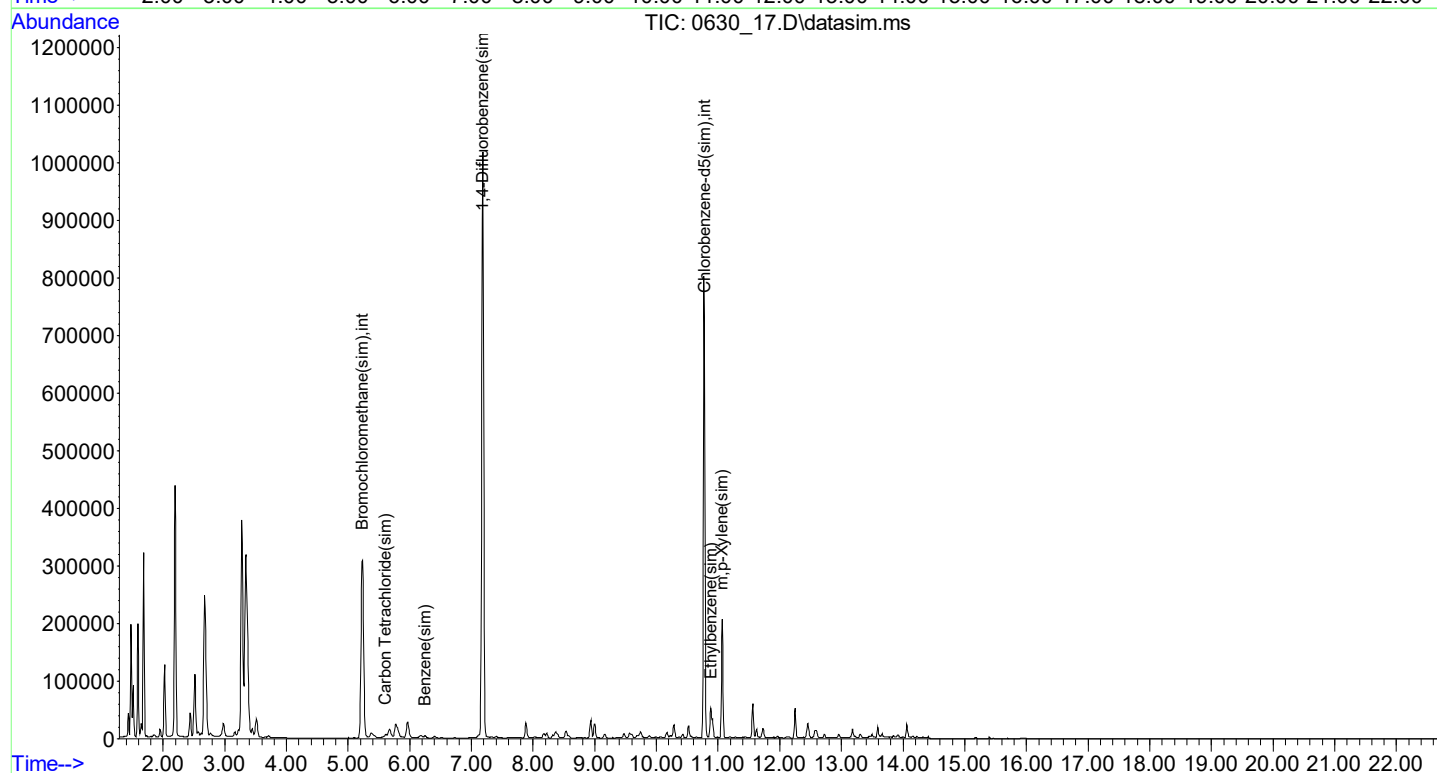
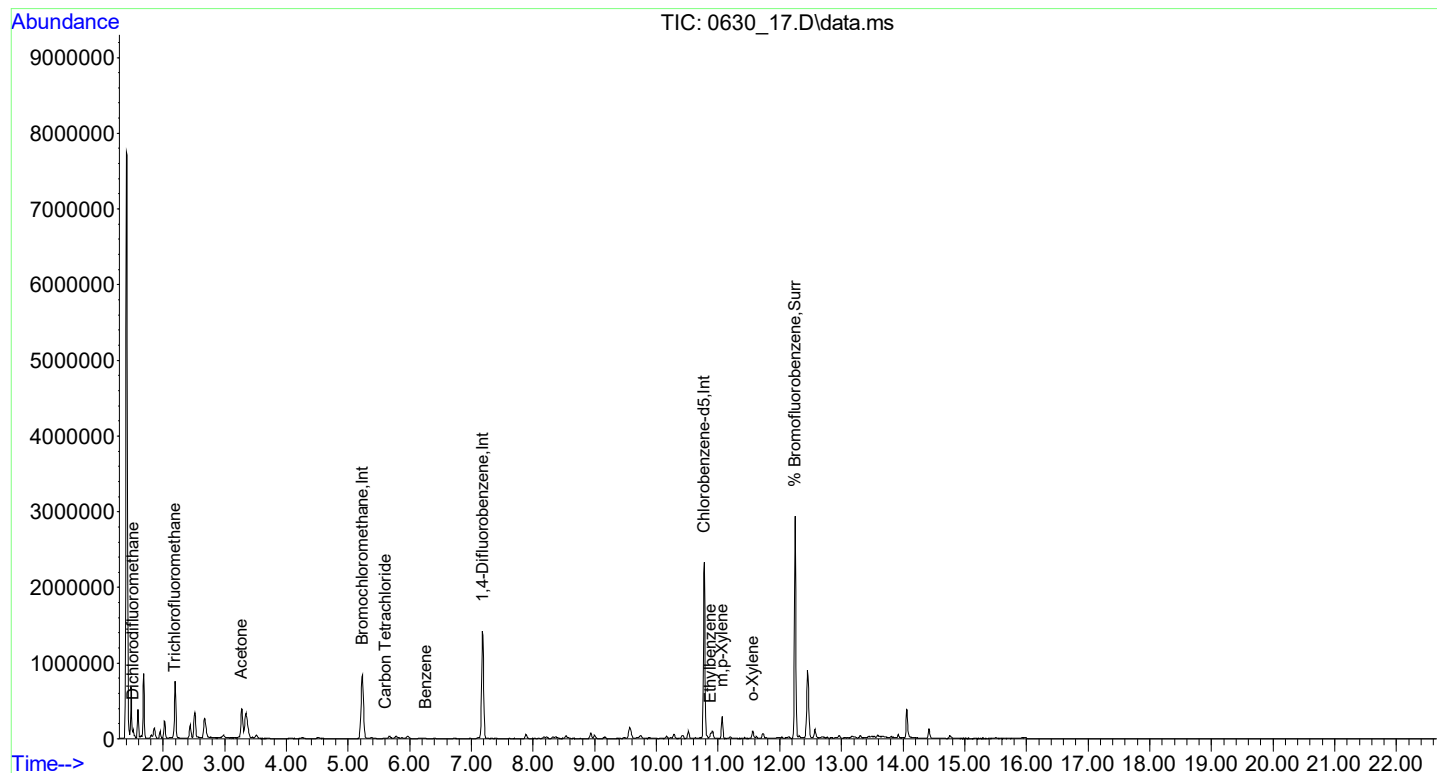
Quant Time: Jul 01 08:26:11 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

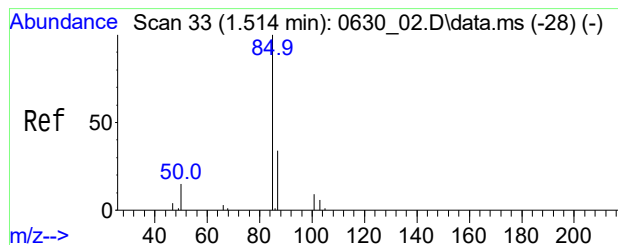
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	130	471704	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.178	114	1470307	10.000	ng	0.00
53) Chlorobenzene-d5	10.776	82	607673	10.000	ng	0.01
80) Bromochloromethane(sim)	5.233	130	463327	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.178	114	1470307	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.776	82	607673	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.245	95	884259	9.983	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.80%
Target Compounds						
3) Dichlorodifluoromethane	1.514	85	63783	0.674	ppbv	Qvalue 100
12) Acetone	3.273	43	590602	8.076	ppbv	99
13) Trichlorofluoromethane	2.185	101	88717	0.847	ppbv	99
33) Benzene	6.253	78	5826	0.063	ppbv	97
34) Carbon Tetrachloride	5.605	117	6822	0.069	ppbv	97
48) Toluene	8.990	91	23134	0.196	ppbv	98
56) Ethylbenzene	10.879	91	46915	0.298	ppbv	98
57) m,p-Xylene	11.064	91	161216	1.391	ppbv	98
61) o-Xylene	11.558	91	44600	0.367	ppbv	99
86) Benzene(sim)	6.250	78	6098	0.056	ppbv	93
87) Carbon Tetrachloride(sim)	5.605	117	6767	0.067	ppbv	99
108) Ethylbenzene(sim)	10.882	91	50102	0.297	ppb	100
109) m,p-Xylene(sim)	11.064	91	161395	1.391	ppbv	99

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

Data Path : H:\AIR2021\CHEM24\06JUN\30\
Data File : 0630_17.D
Acq On : 1 Jul 2021 2:13 am
Operator : Keith
Client ID : IA-05
Lab ID : CI65778
ALS Vial : 17 Sample Multiplier: 1

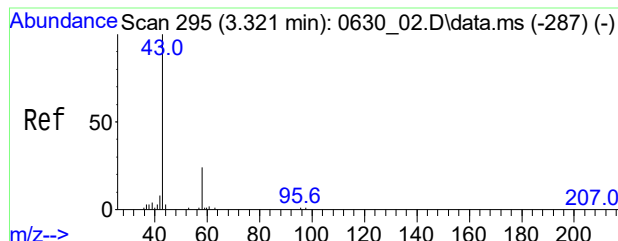
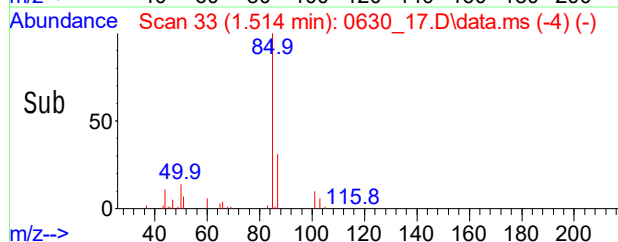
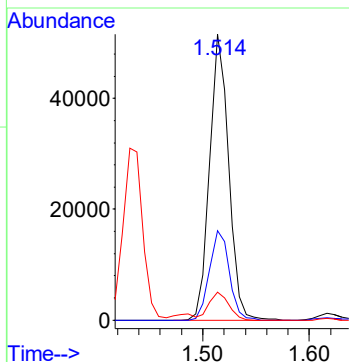
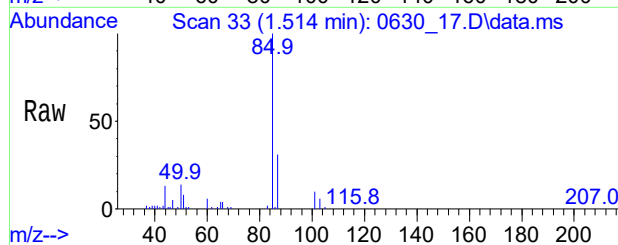
Quant Time: Jul 01 08:26:11 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Tue Jun 29 10:02:03 2021
Response via : Initial Calibration





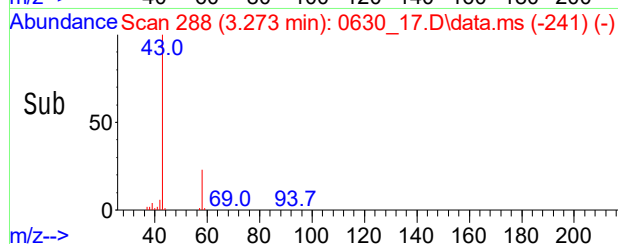
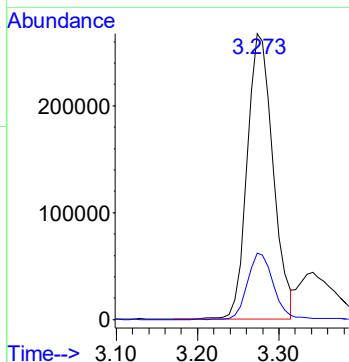
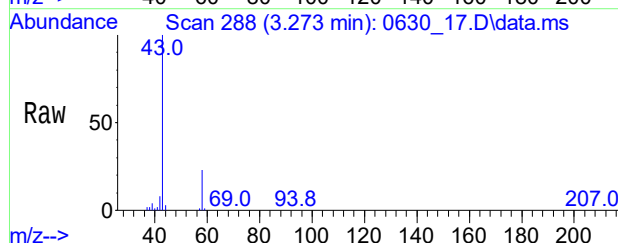
#3
Dichlorodifluoromethane
Conc: 8\$ 0.674 ppbv
RT: 1.514 min Scan# 33
Delta R.T. -0.000 min
Lab File: 0630_17.D
Acq: 1 Jul 2021 2:13 am

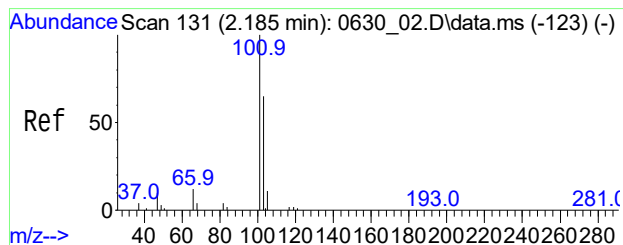
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	63783		
87	32.6	26.2	39.4	
101	10.2	8.2	12.4	



#12
Acetone
Conc: 8\$ 8.076 ppbv
RT: 3.273 min Scan# 288
Delta R.T. 0.020 min
Lab File: 0630_17.D
Acq: 1 Jul 2021 2:13 am

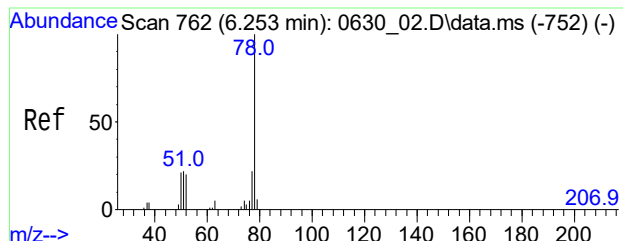
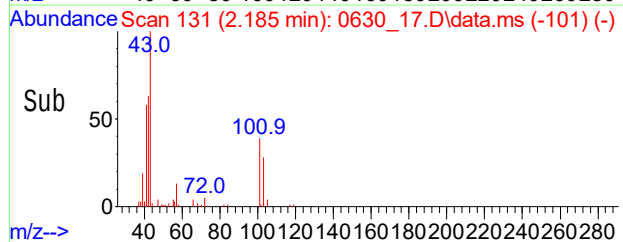
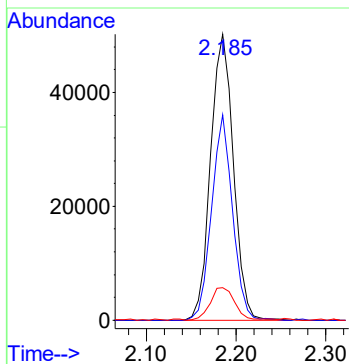
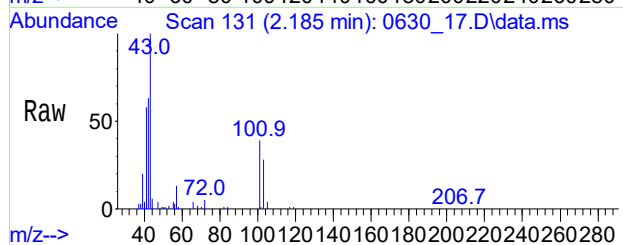
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	590602		
58	23.8	19.4	29.0	





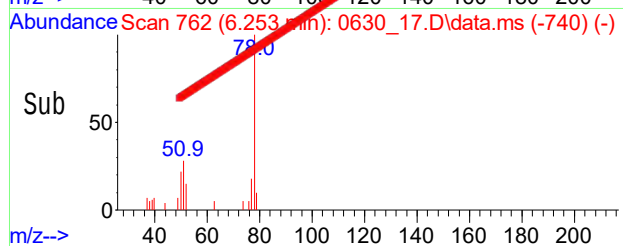
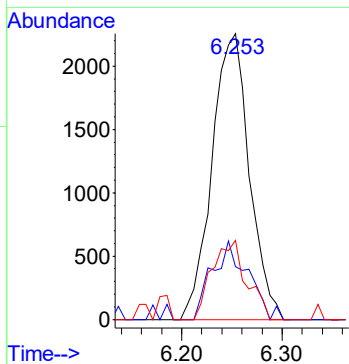
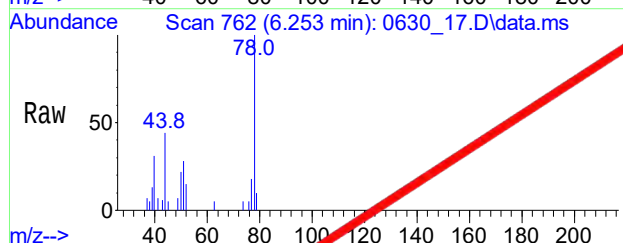
#13
Trichlorofluoromethane
Conc: 8\$ 0.847 ppbv
RT: 2.185 min Scan# 131
Delta R.T. 0.007 min
Lab File: 0630_17.D
Acq: 1 Jul 2021 2:13 am

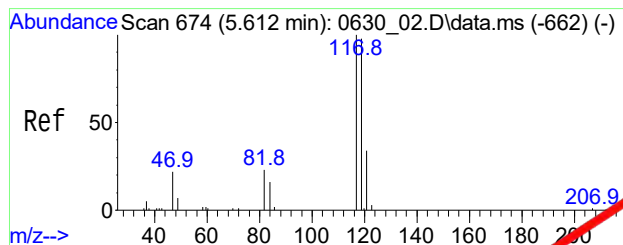
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	88717		
103	65.9	53.1	79.7	
66	12.2	10.1	15.1	



#33
Benzene
Conc: 8\$ Below Cal
RT: 6.253 min Scan# 762
Delta R.T. 0.014 min
Lab File: 0630_17.D
Acq: 1 Jul 2021 2:13 am

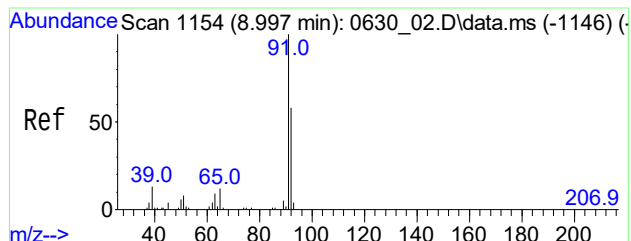
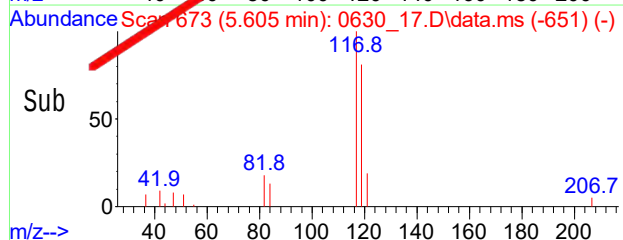
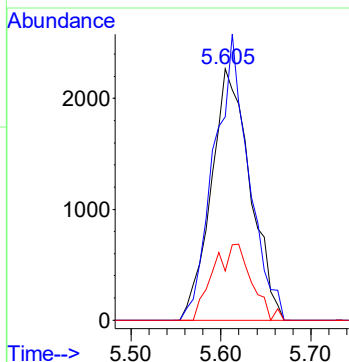
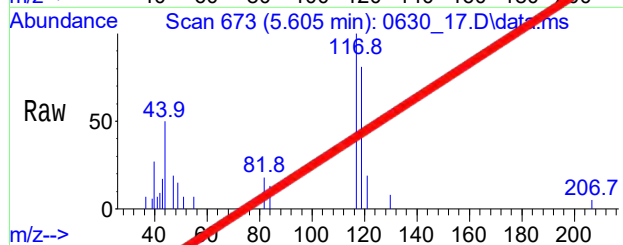
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	5826		
77	26.3	18.6	27.8	
51	25.4	20.4	30.6	





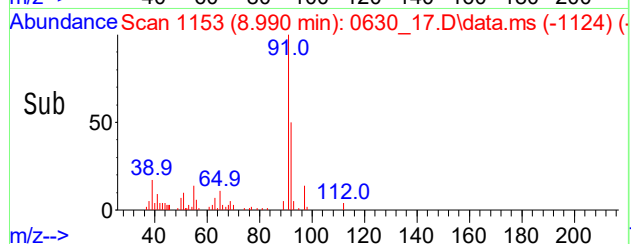
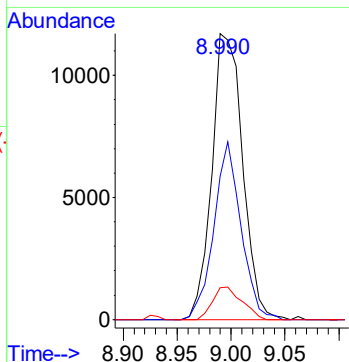
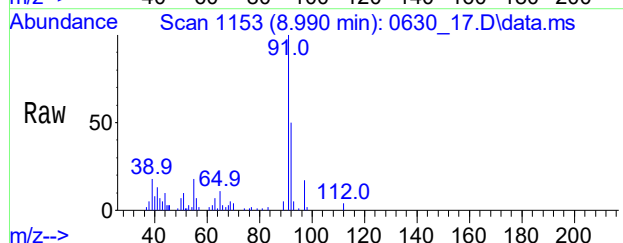
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.605 min Scan# 673
Delta R.T. 0.007 min
Lab File: 0630_17.D
Acq: 1 Jul 2021 2:13 am

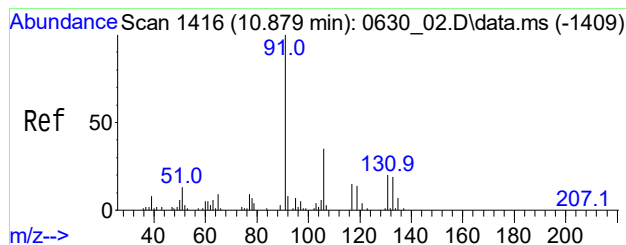
Tgt Ion: 117 Resp: 6822
Ion Ratio Lower Upper
117 100
119 101.1 77.2 117.2
121 29.8 10.8 50.8



#48
Toluene
Conc: 8\$ 0.196 ppbv
RT: 8.990 min Scan# 1153
Delta R.T. 0.007 min
Lab File: 0630_17.D
Acq: 1 Jul 2021 2:13 am

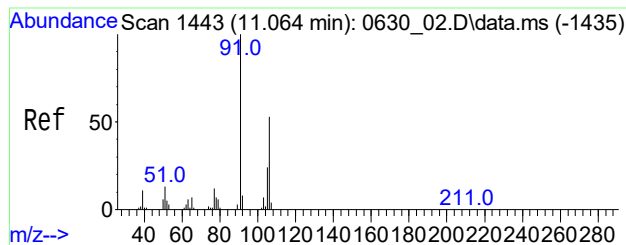
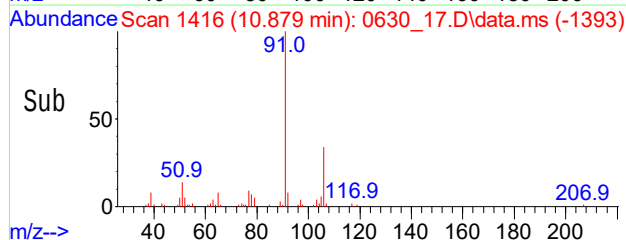
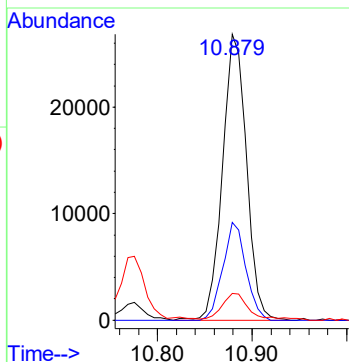
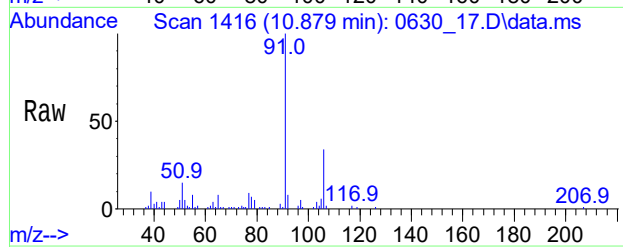
Tgt Ion: 91 Resp: 23134
Ion Ratio Lower Upper
91 100
92 54.9 44.8 67.2
65 10.8 9.8 14.6





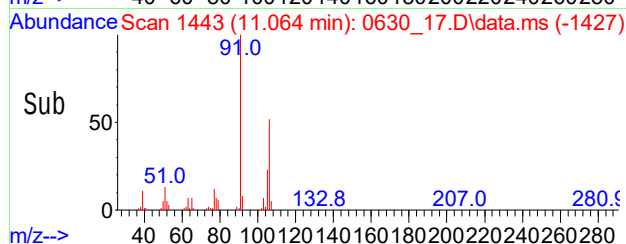
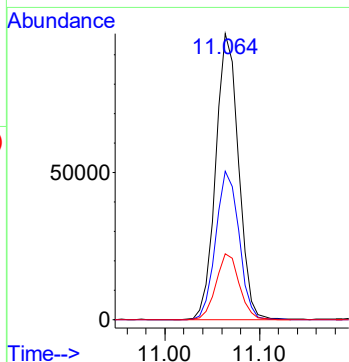
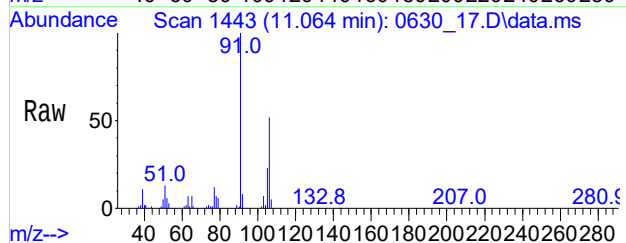
#56
Ethylbenzene
Conc: 8\$ 0.298 ppbv
RT: 10.879 min Scan# 1416
Delta R.T. 0.007 min
Lab File: 0630_17.D
Acq: 1 Jul 2021 2:13 am

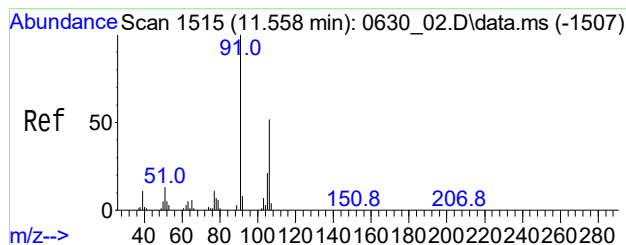
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	46915		
106	32.9	12.7	52.7	
77	10.5	0.0	28.0	



#57
m,p-Xylene
Conc: 8\$ 1.391 ppbv
RT: 11.064 min Scan# 1443
Delta R.T. 0.007 min
Lab File: 0630_17.D
Acq: 1 Jul 2021 2:13 am

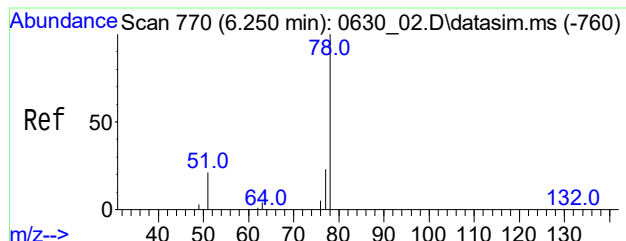
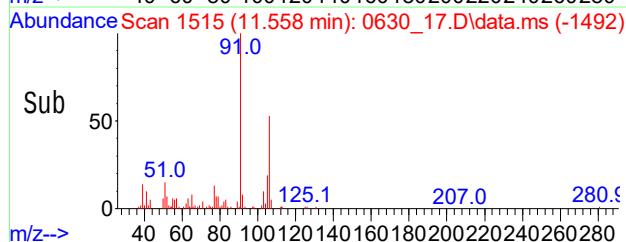
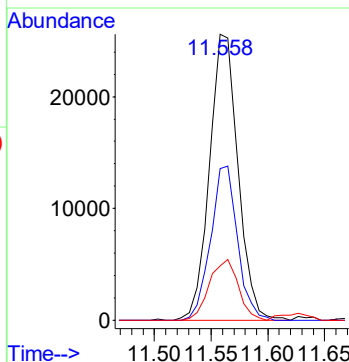
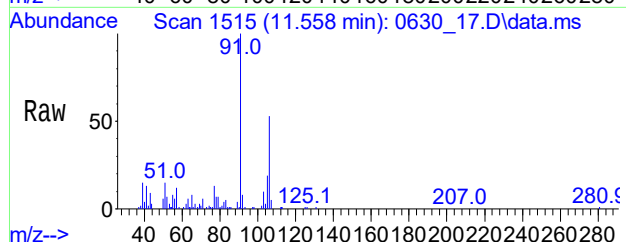
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	161216		
106	52.8	41.4	62.2	
105	23.4	19.4	29.0	





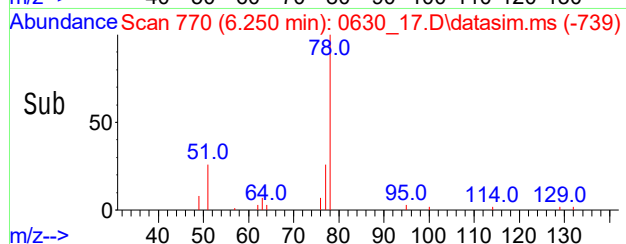
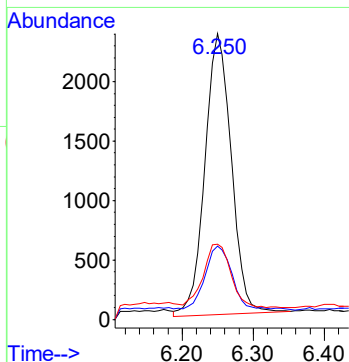
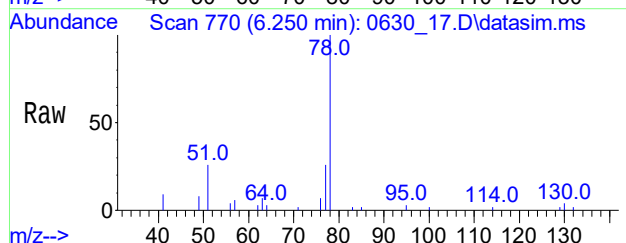
#61
o-Xylene
Conc: 8\$ 0.367 ppbv
RT: 11.558 min Scan# 1515
Delta R.T. 0.007 min
Lab File: 0630_17.D
Acq: 1 Jul 2021 2:13 am

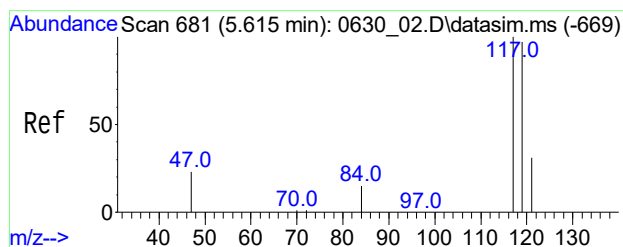
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	44600		
106	50.7	40.0	60.0	
105	21.4	17.4	26.0	



#86
Benzene(sim)
Conc: 8\$ 0.056 ppbv
RT: 6.250 min Scan# 770
Delta R.T. 0.014 min
Lab File: 0630_17.D
Acq: 1 Jul 2021 2:13 am

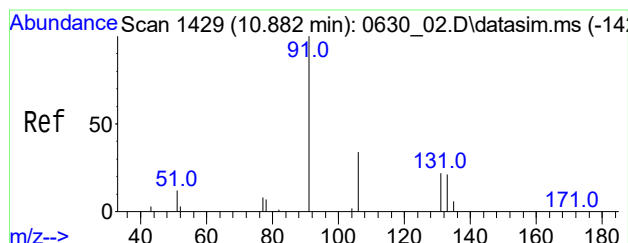
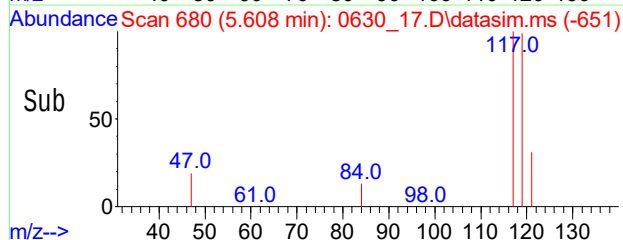
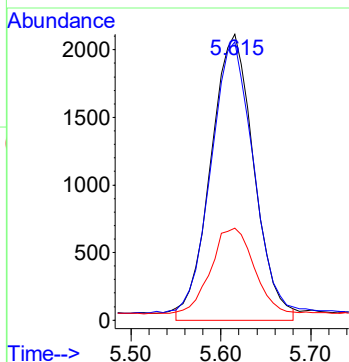
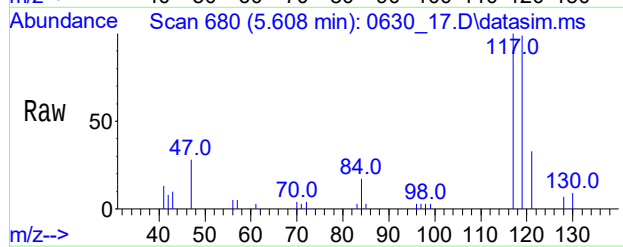
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	6098		
77	21.8	20.2	30.4	
51	26.1	18.4	27.6	





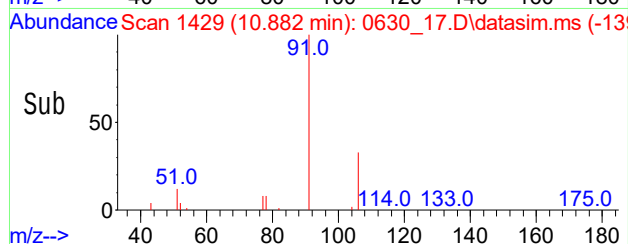
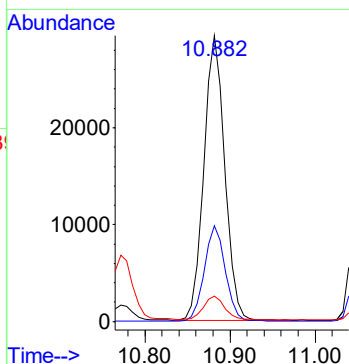
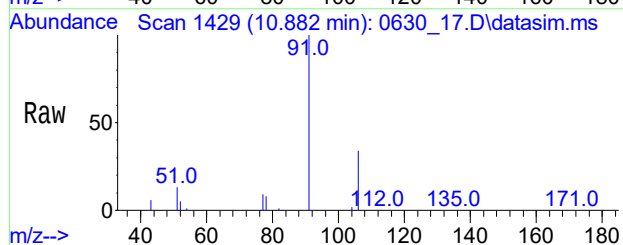
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.067 ppbv
RT: 5.605 min Scan# 680
Delta R.T. 0.007 min
Lab File: 0630_17.D
Acq: 1 Jul 2021 2:13 am

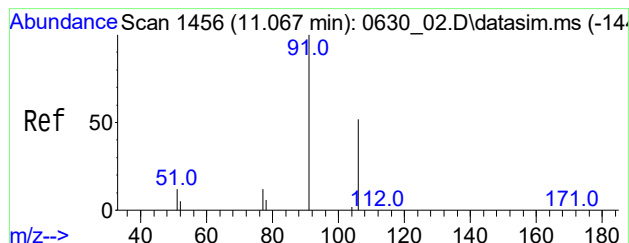
Tgt Ion: 117 Resp: 6767
Ion Ratio Lower Upper
117 100
119 98.4 77.8 116.6
121 30.1 24.5 36.7



#108
Ethylbenzene(sim)
Conc: 8\$ 0.297 ppb
RT: 10.882 min Scan# 1429
Delta R.T. 0.007 min
Lab File: 0630_17.D
Acq: 1 Jul 2021 2:13 am

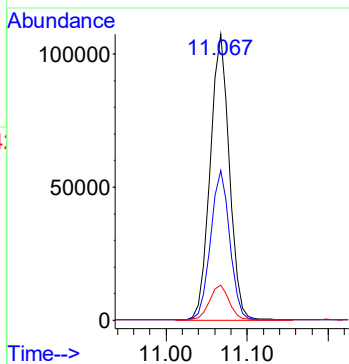
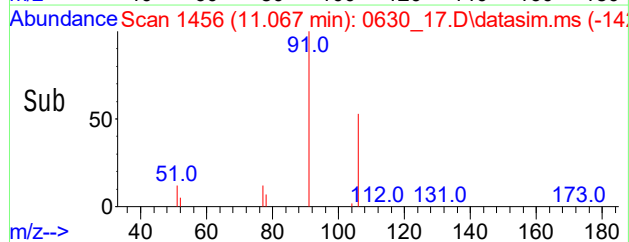
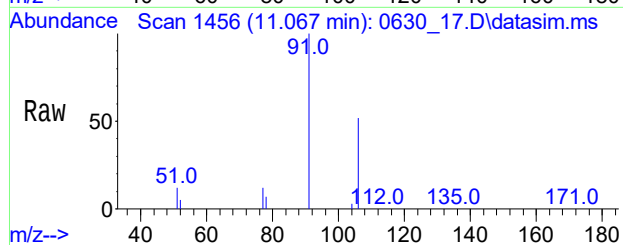
Tgt Ion: 91 Resp: 50102
Ion Ratio Lower Upper
91 100
106 33.4 26.6 40.0
77 8.8 7.0 10.6





#109
 m,p-Xylene(sim)
 Conc: 8\$ 1.391 ppbv
 RT: 11.064 min Scan# 1456
 Delta R.T. 0.007 min
 Lab File: 0630_17.D
 Acq: 1 Jul 2021 2:13 am

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	161395		
106	52.8	46.5	56.9	
77	12.6	10.2	15.4	



Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_19.D
 Acq On : 1 Jul 2021 3:38 am
 Operator : Keith
 Client ID : IA-07
 Lab ID : CI65779
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 01 08:27:34 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

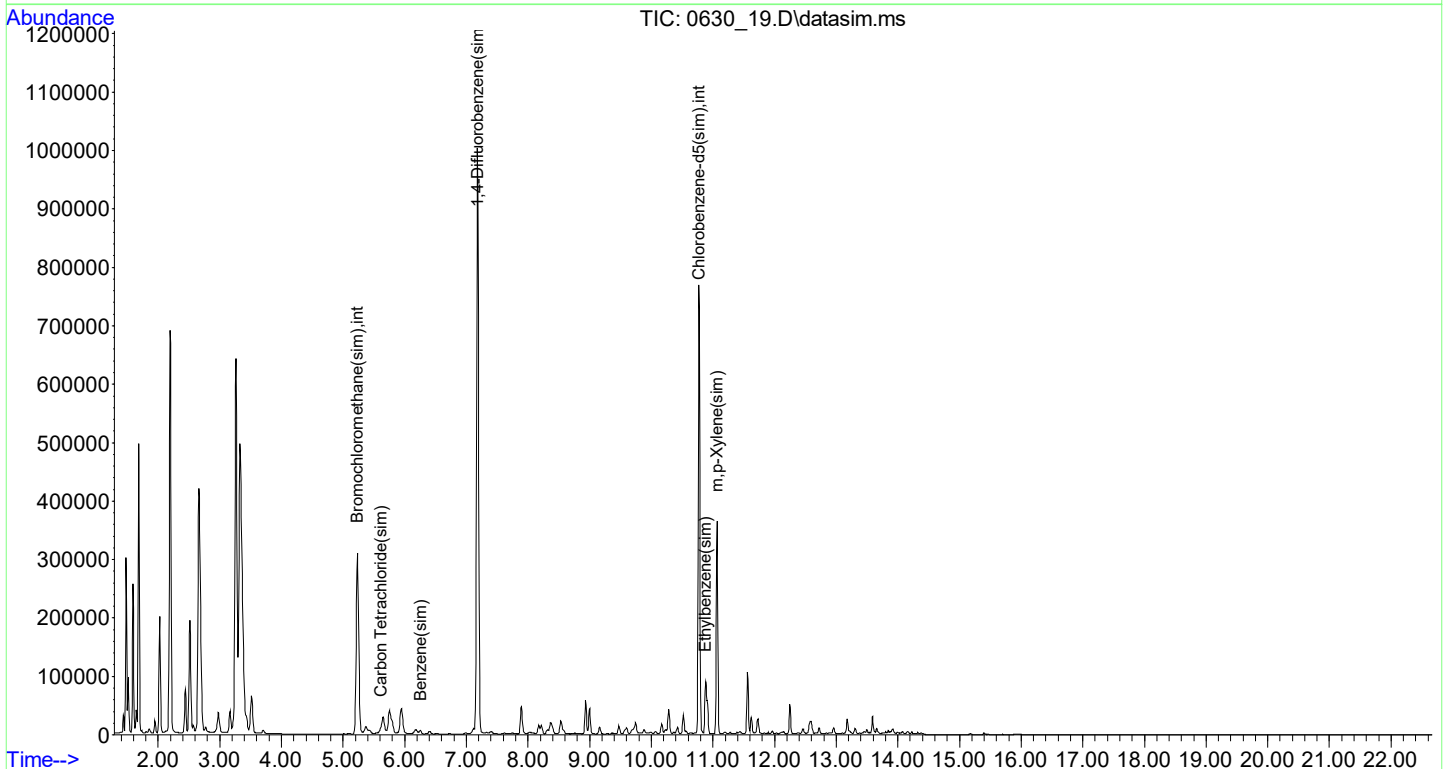
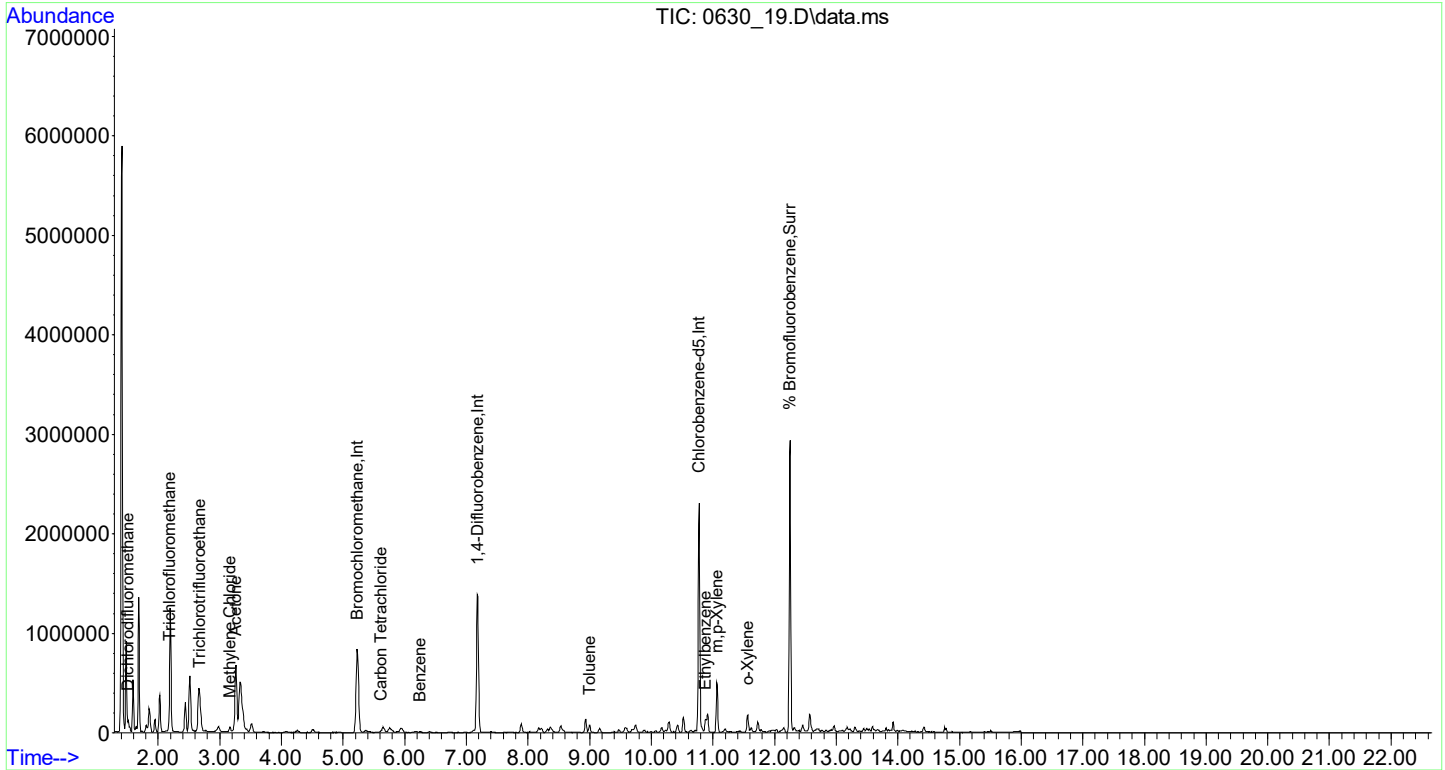
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	130	458044	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.178	114	1434873	10.000	ng	0.00
53) Chlorobenzene-d5	10.776	82	599215	10.000	ng	0.01
80) Bromochloromethane(sim)	5.233	130	452331	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.178	114	1434873	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.776	82	599215	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.252	95	879492	10.069	ppbv	0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.70%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.514	85	67756	0.737	ppbv#	98
6) Vinyl Chloride	1.856	62	508	0.016	ppbv	66
12) Acetone	3.259	43	1004912	14.152	ppbv	100
13) Trichlorofluoromethane	2.185	101	138769	1.365	ppbv	99
17) Methylene Chloride	3.164	49	36197	0.688	ppbv	96
21) Trichlorotrifluoroethane	2.678	101	15077	0.190	ppbv	99
33) Benzene	6.254	78	8678	0.096	ppbv	97
34) Carbon Tetrachloride	5.612	117	11748	0.122	ppbv	98
48) Toluene	8.997	91	37660	0.327	ppbv	100
56) Ethylbenzene	10.879	91	83897	0.540	ppbv	98
57) m,p-Xylene	11.064	91	287506	2.515	ppbv	99
61) o-Xylene	11.565	91	80971	0.675	ppbv	99
86) Benzene(sim)	6.257	78	9733	0.091	ppbv	96
87) Carbon Tetrachloride(sim)	5.612	117	11748	0.118	ppbv	98
108) Ethylbenzene(sim)	10.882	91	89818	0.540	ppb	100
109) m,p-Xylene(sim)	11.064	91	287934	2.517	ppbv	99

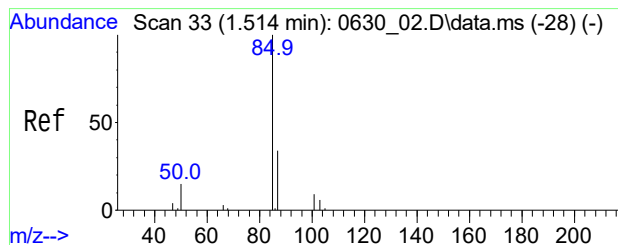
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_19.D
 Acq On : 1 Jul 2021 3:38 am
 Operator : Keith
 Client ID : IA-07
 Lab ID : CI65779
 ALS Vial : 19 Sample Multiplier: 1

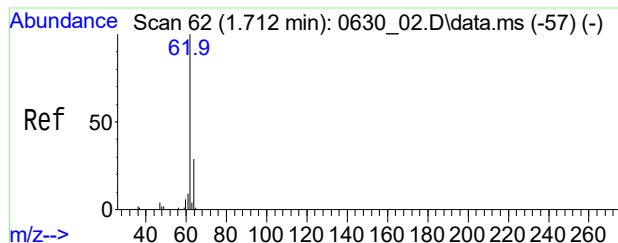
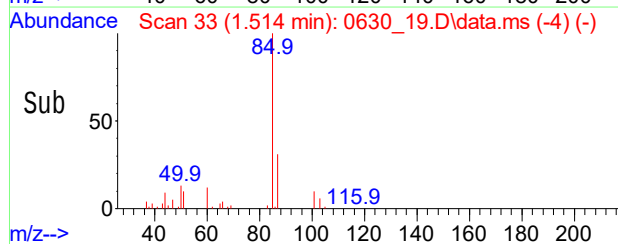
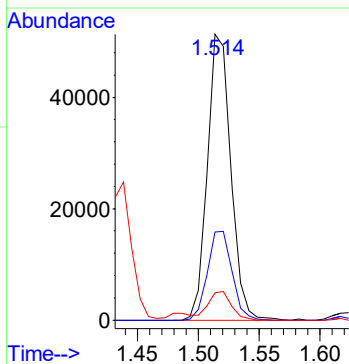
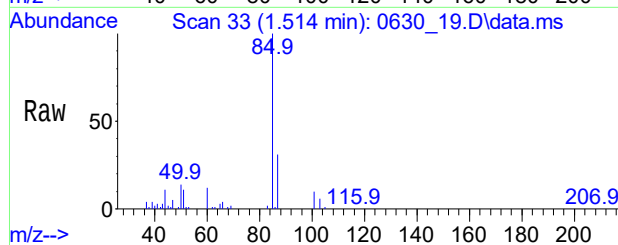
Quant Time: Jul 01 08:27:34 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration





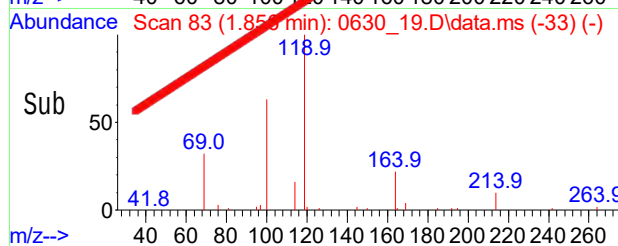
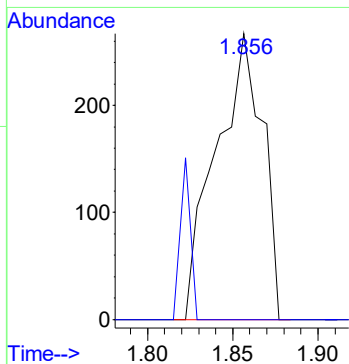
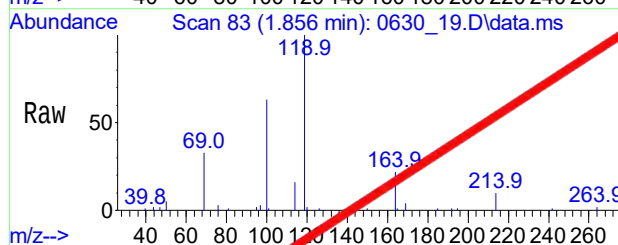
#3
Dichlorodifluoromethane
Conc: 8\$ 0.737 ppbv
RT: 1.514 min Scan# 33
Delta R.T. 0.000 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

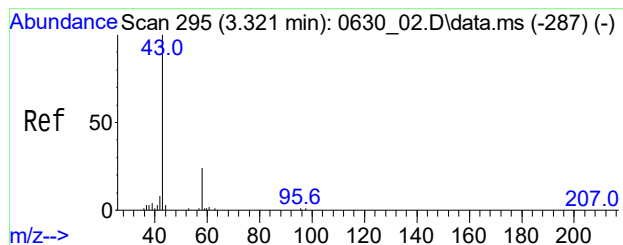
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	67756		
87	32.6	26.2	39.4	
101	12.4	8.2	12.4	



#6
Vinyl Chloride
Conc: 8\$ Below Cal
RT: 1.856 min Scan# 83
Delta R.T. 0.144 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

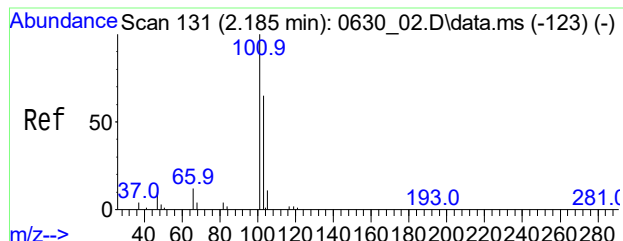
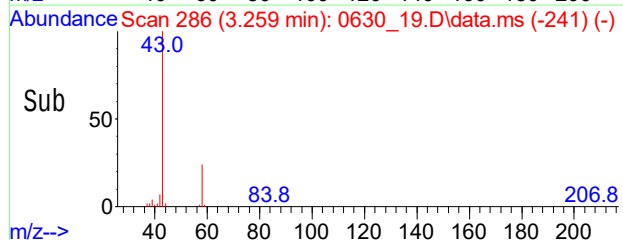
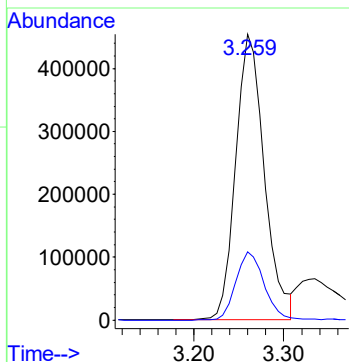
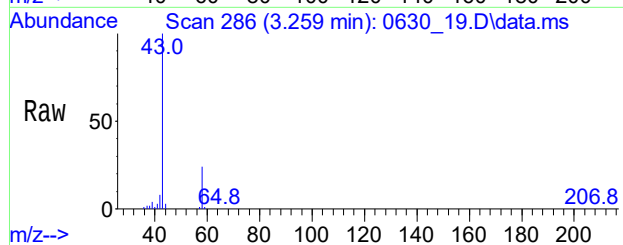
Tgt Ion	Ratio	Resp	Lower	Upper
62	100	508		
64	12.2	10.8	50.8	





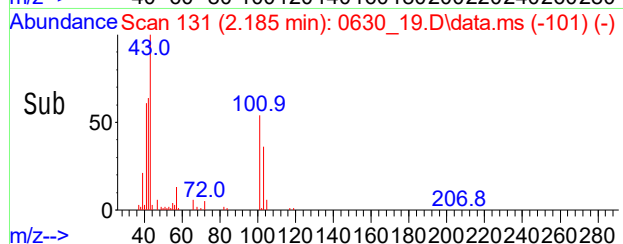
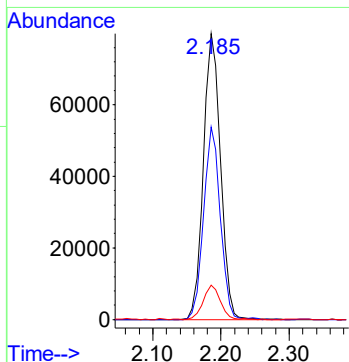
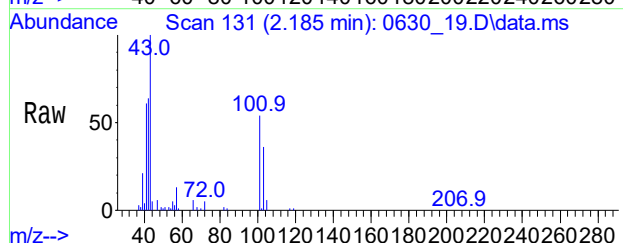
#12
Acetone
Conc: 8\$ 14.152 ppbv
RT: 3.259 min Scan# 286
Delta R.T. 0.007 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

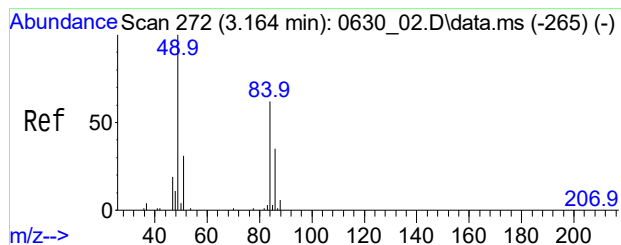
Tgt Ion: 43 Resp: 1004912
Ion Ratio Lower Upper
43 100
58 24.1 19.4 29.0



#13
Trichlorofluoromethane
Conc: 8\$ 1.365 ppbv
RT: 2.185 min Scan# 131
Delta R.T. 0.007 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

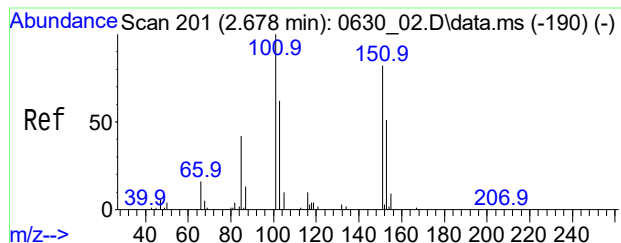
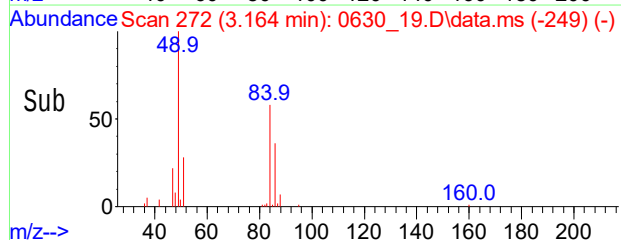
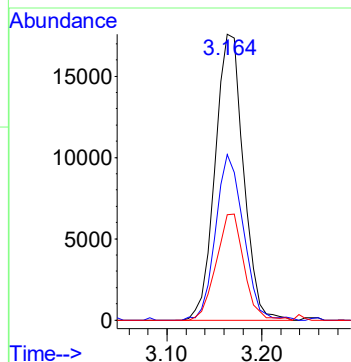
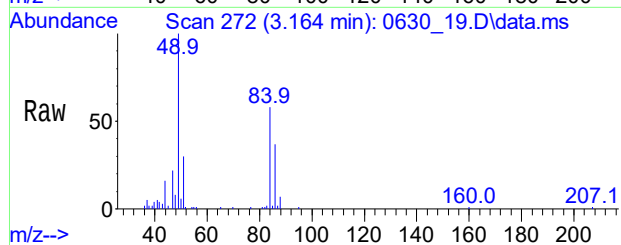
Tgt Ion: 101 Resp: 138769
Ion Ratio Lower Upper
101 100
103 65.7 53.1 79.7
66 11.9 10.1 15.1





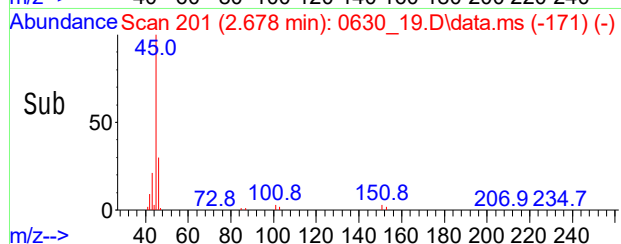
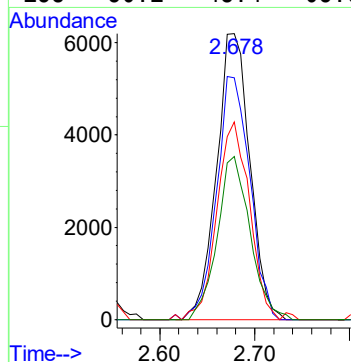
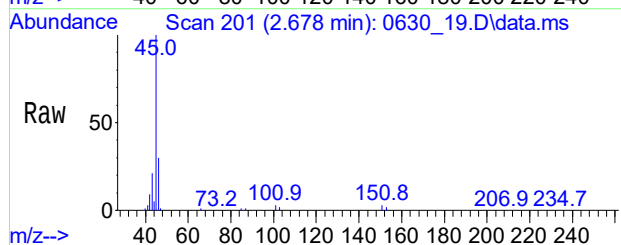
#17
Methylene Chloride
Conc: 8\$ 0.688 ppbv
RT: 3.164 min Scan# 272
Delta R.T. 0.007 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

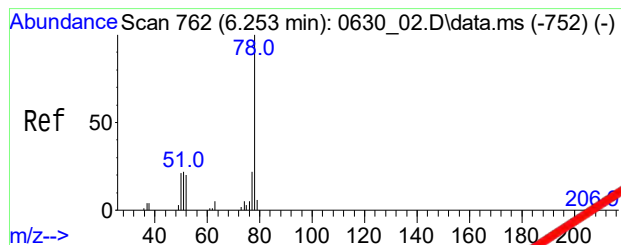
Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36197		
84	57.0	42.9	64.3	
86	36.4	27.9	41.9	



#21
Trichlorotrifluoroethane
Conc: 8\$ 0.190 ppbv
RT: 2.678 min Scan# 201
Delta R.T. 0.007 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

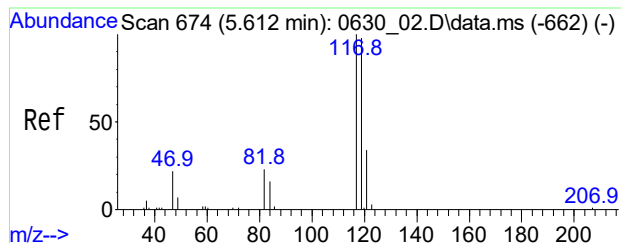
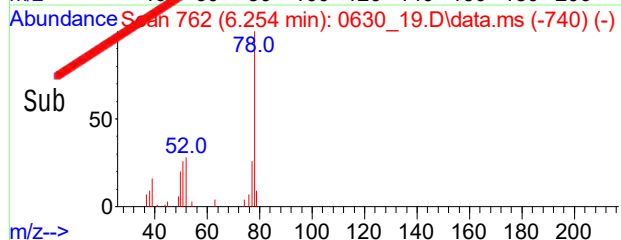
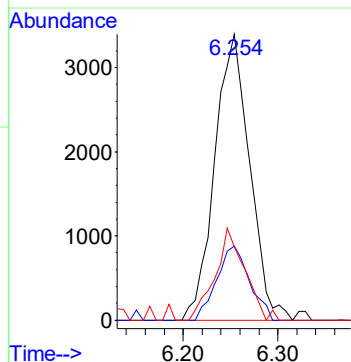
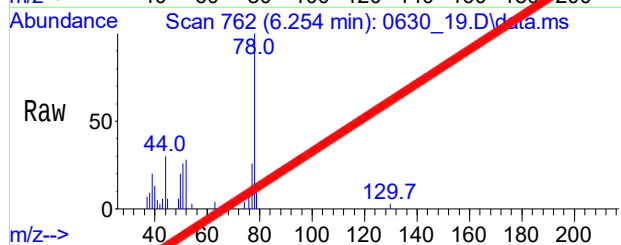
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	15077		
151	85.0	69.0	103.4	
103	67.7	54.1	81.1	
153	56.1	43.4	65.0	





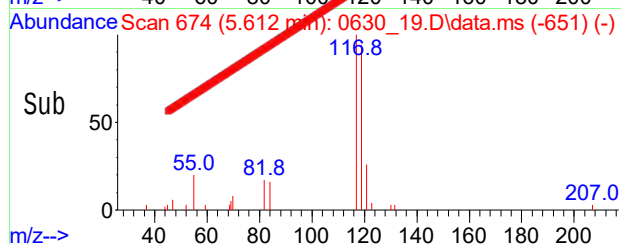
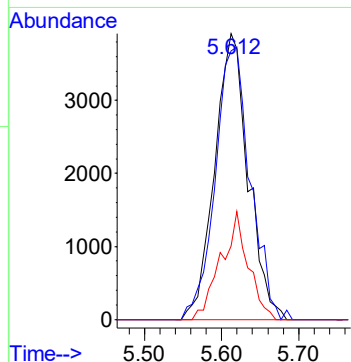
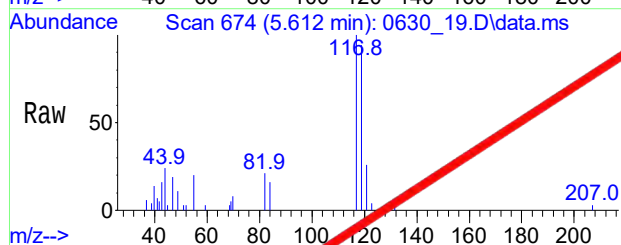
#33
Benzene
Conc: 8\$ Below Cal
RT: 6.254 min Scan# 762
Delta R.T. 0.014 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

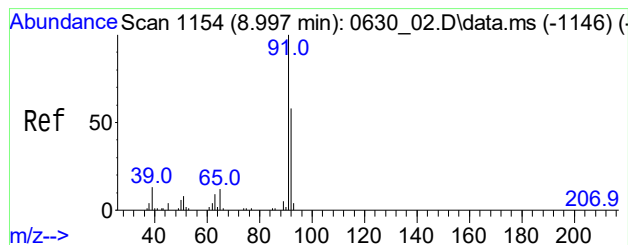
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	8678		
77	24.2	18.6		27.8
51	27.3	20.4		30.6



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.612 min Scan# 674
Delta R.T. 0.014 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

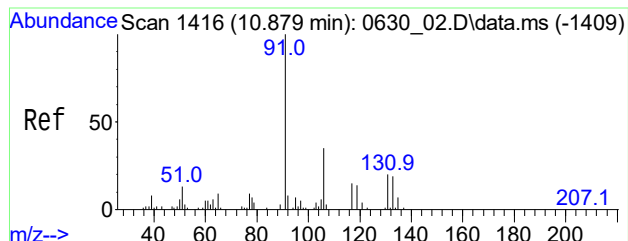
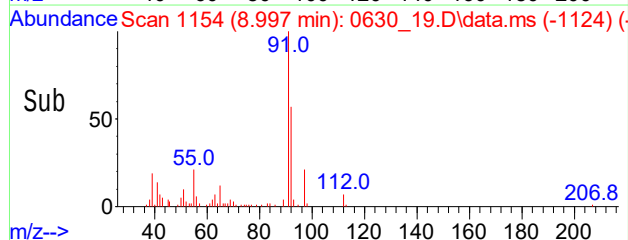
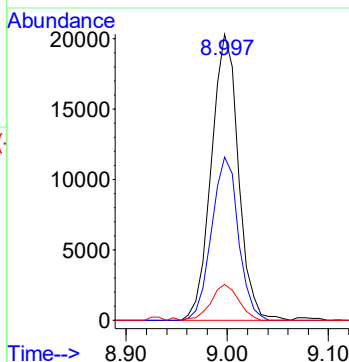
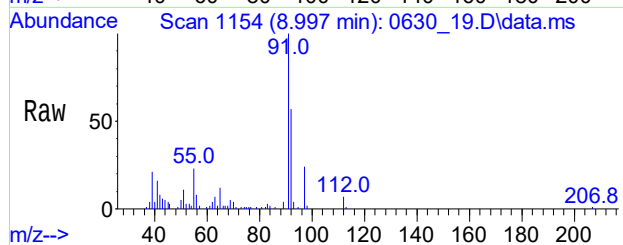
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	11748		
119	100.2	77.2		117.2
121	30.7	10.8		50.8





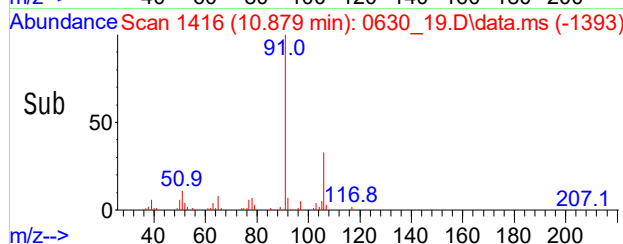
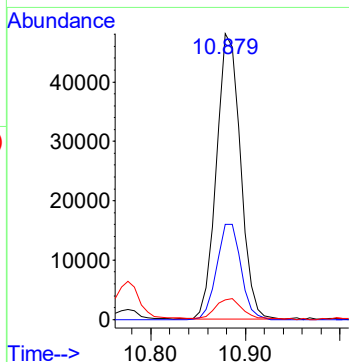
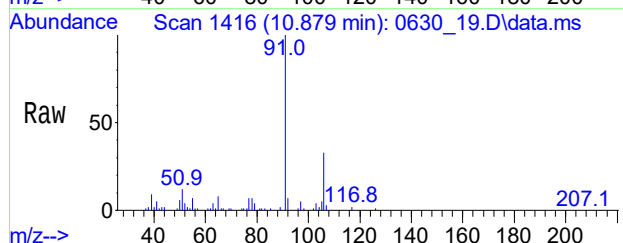
#48
Toluene
Conc: 8\$ 0.327 ppbv
RT: 8.997 min Scan# 1154
Delta R.T. 0.015 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

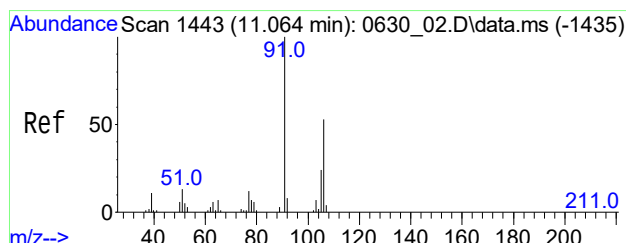
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	37660		
92	56.3	44.8	67.2	
65	12.5	9.8	14.6	



#56
Ethylbenzene
Conc: 8\$ 0.540 ppbv
RT: 10.879 min Scan# 1416
Delta R.T. 0.007 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

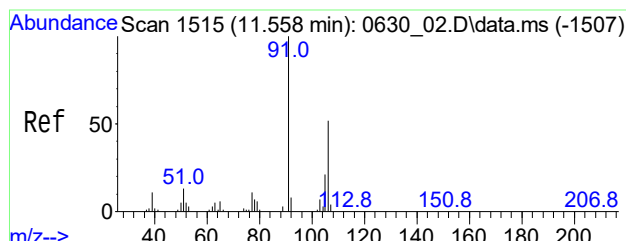
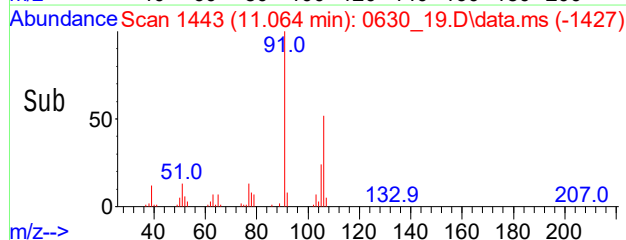
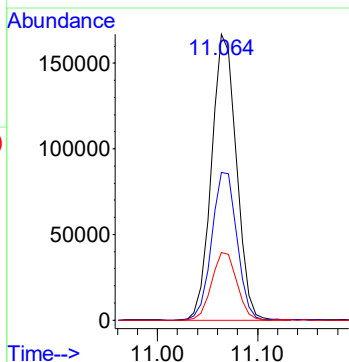
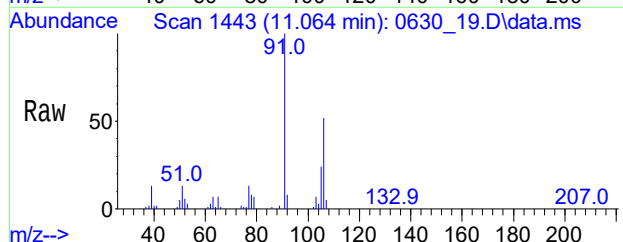
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	83897		
106	33.7	12.7	52.7	
77	8.6	0.0	28.0	





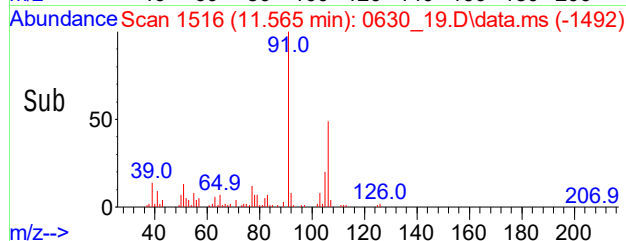
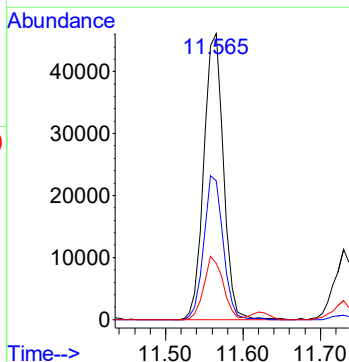
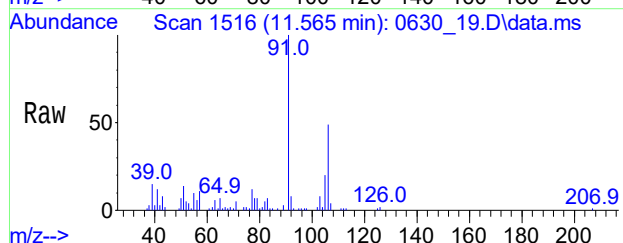
#57
m,p-Xylene
Conc: 8\$ 2.515 ppbv
RT: 11.064 min Scan# 1443
Delta R.T. 0.007 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

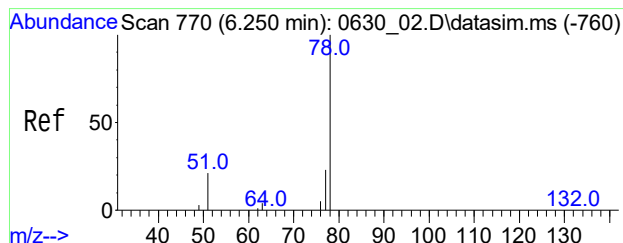
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	287506		
106	52.4	41.4	62.2	
105	24.1	19.4	29.0	



#61
o-Xylene
Conc: 8\$ 0.675 ppbv
RT: 11.565 min Scan# 1516
Delta R.T. 0.014 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

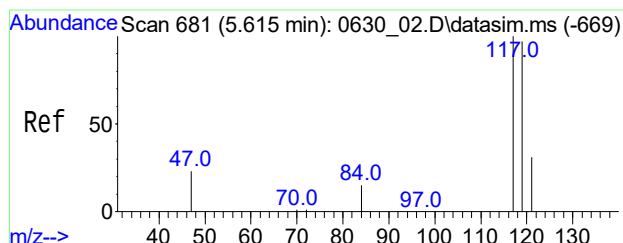
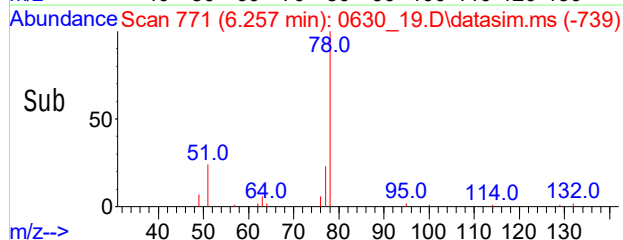
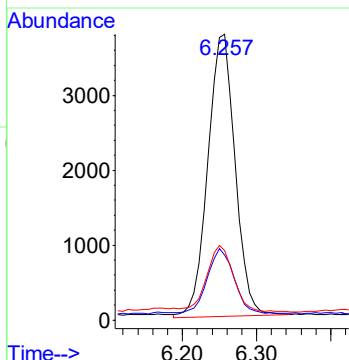
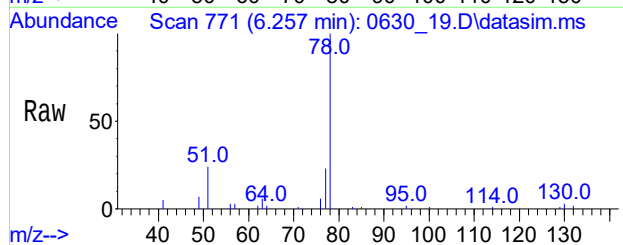
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	80971		
106	49.3	40.0	60.0	
105	21.7	17.4	26.0	





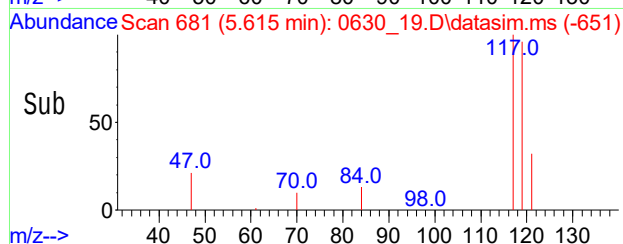
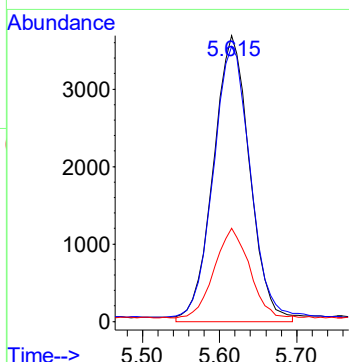
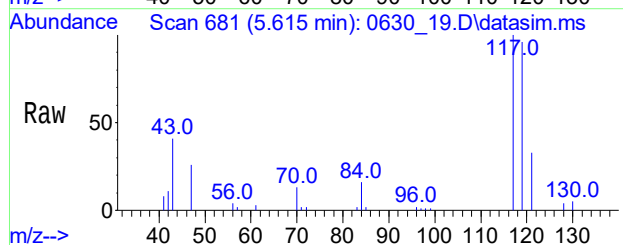
#86
Benzene(sim)
Conc: 8\$ 0.091 ppbv
RT: 6.257 min Scan# 771
Delta R.T. 0.021 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

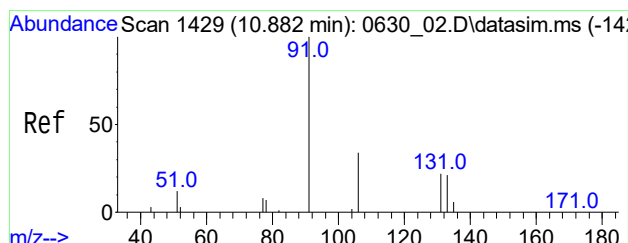
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	9733		
77	23.7	20.2	30.4	
51	25.7	18.4	27.6	



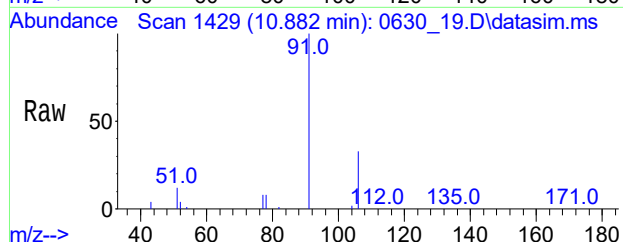
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.118 ppbv
RT: 5.612 min Scan# 681
Delta R.T. 0.014 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	11748		
119	100.2	77.8	116.6	
121	30.3	24.5	36.7	

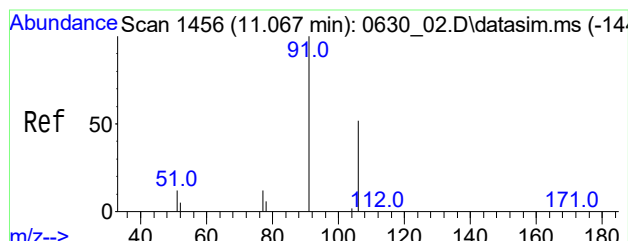
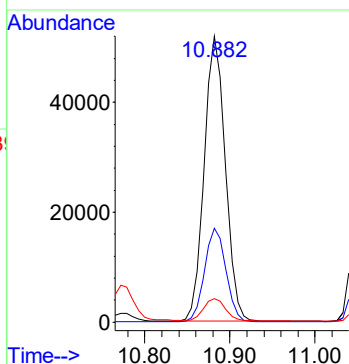
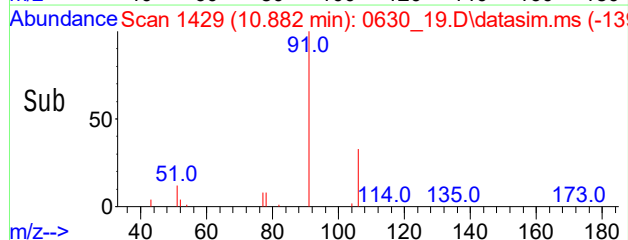




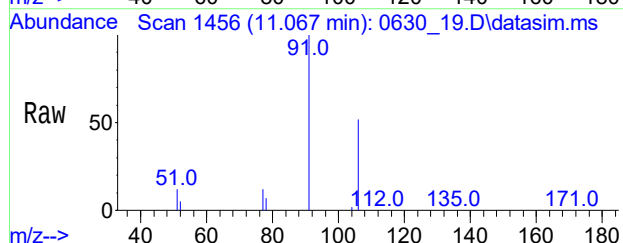
#108
Ethylbenzene(sim)
Conc: 8\$ 0.540 ppb
RT: 10.882 min Scan# 1429
Delta R.T. 0.007 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am



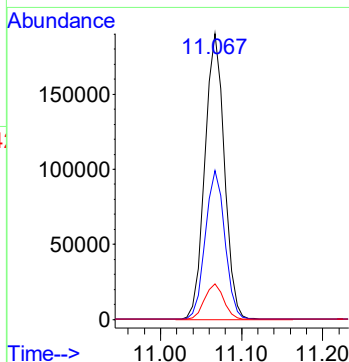
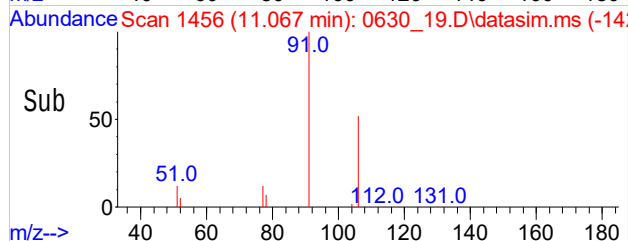
Tgt Ion: 91 Resp: 89818
Ion Ratio Lower Upper
91 100
106 33.3 26.6 40.0
77 8.6 7.0 10.6



#109
m,p-Xylene(sim)
Conc: 8\$ 2.517 ppbv
RT: 11.064 min Scan# 1456
Delta R.T. 0.007 min
Lab File: 0630_19.D
Acq: 1 Jul 2021 3:38 am



Tgt Ion: 91 Resp: 287934
Ion Ratio Lower Upper
91 100
106 52.5 46.5 56.9
77 12.8 10.2 15.4



Response Factor Report Chem24

Method Path : H:\AIR2021\CHEM24\METHODS\
 Method File : 24AIR_0627.M
 Title : VOA Standards for 5 point calibration
 Last Update : Tue Jun 29 10:02:00 2021
 Response Via : Initial Calibration

Calibration Files (Note: Curves (l,lf,g,qf) display calculated conc and corr. coefficient.)
 .035=0627_04.D 0.05=0627_05.D 0.1=0627_06.D 0.2=0627_07.D 0.5=0627_08.D 1.0=0627_14.D 2.5=0627_09.D 5.0=0627_10.D
 10=0627_15.D 25=0627_11.D 40=0627_12.D 0.02=0627_03.D

Compound		.035	0.05	0.1	0.2	0.5	1.0	2.5	5.0	10	25	40	0.02	Avg	%RSD
1)	Int Bromochloromethane	-----ISTD-----													
3)	Dichlorodifluo...			2.121	1.991	1.930	2.108	1.966	2.169	1.999	1.910	1.861		2.006	5.23
6)	Vinyl Chloride			0.707	0.651	0.666	0.756	0.664	0.766	0.725	0.700	0.734		0.708	5.83
12)	Acetone				1.617	1.363	1.436	1.346	1.822	1.684	1.477	1.658		1.550	10.98
13)	Trichlorofluor...			2.368	2.275	2.160	2.255	2.163	2.352	2.195	2.054	2.156		2.220	4.57
16)	1,1-Dichloroet...			1.323	1.196	1.190	1.305	1.198	1.317	1.260	1.195	1.275		1.251	4.54
17)	Methylene Chlo...				1.191	1.182	1.177	1.124	1.223	1.163	0.967	1.168		1.149	6.86
21)	Trichlorotrifl...			1.908	1.769	1.664	1.778	1.639	1.830	1.707	1.604	1.724		1.736	5.56
26)	Cis-1,2-Dichlo...			1.099	0.971	0.938	1.082	1.072	1.203	1.204	1.181	1.227		1.108	9.44
32)	1,1,1-Trichlor...			1.898	1.776	1.774	1.877	1.736	1.932	1.821	1.773	1.834		1.824	3.63
33)	Benzene			2.047	1.882	1.818	2.065	1.857	2.057	2.031	1.927	2.084		1.974	5.21
34)	Carbon Tetrach...			2.163	2.071	2.006	2.107	2.042	2.256	2.093	2.059	2.086		2.098	3.51
36)	Int 1,4-Difluorobenzene	-----ISTD-----													
39)	Trichloroethene			0.420	0.398	0.393	0.408	0.398	0.437	0.424	0.422	0.424		0.414	3.64
48)	Toluene			0.780	0.708	0.723	0.812	0.785	0.871	0.855	0.829	0.852		0.802	7.20
52)	Tetrachloroethene			0.585	0.521	0.544	0.560	0.563	0.600	0.567	0.570	0.560		0.563	4.02
53)	Int Chlorobenzene-d5	-----ISTD-----													
55)	Chlorobenzene			2.072	1.919	1.884	1.958	1.846	2.065	1.918	1.893	1.904		1.940	4.06
56)	Ethylbenzene			2.537	2.352	2.392	2.577	2.524	2.820	2.745	2.693	2.704		2.594	6.15
57)	m,p-Xylene			1.767	1.652	1.819	1.600	1.970	2.226	2.117	2.048	1.971		1.908	11.12
61)	o-Xylene			1.802	1.616	1.680	1.966	1.958	2.328	2.237	2.151	2.275		2.002	13.15
62)	Surr% Bromofluorob...			1.438	1.448	1.449	1.429	1.462	1.462	1.472	1.490	1.468		1.458	1.27
71)	1,3-Dichlorobe...			1.790	1.764	1.872	1.955	1.937	2.158	1.978	1.961	1.817		1.915	6.32
72)	1,4-Dichlorobe...			1.719	1.651	1.715	1.819	1.873	2.075	1.925	1.934	1.854		1.841	7.15
75)	1,2-Dichlorobe...			1.453	1.338	1.383	1.519	1.520	1.670	1.550	1.544	1.455		1.492	6.62
77)	1,2,4-Trichlor...				0.527	0.542	0.625	0.651	0.631	0.620	0.660	0.688		0.618	9.07
80)	int Bromochloromethane	-----ISTD-----													
82)	Vinyl Chloride...	0.866	0.777	0.758	0.721	0.709	0.816	0.720	0.812					0.772	7.23
86)	Benzene(sim)	2.794	2.426	2.187	2.022	2.056	2.285	2.043					3.009	2.353	15.71
87)	Carbon Tetrach...	2.312	2.398	2.166	2.140	2.030	2.141	2.071	2.278				2.193	2.192	5.37
88)	1,1-Dichloroet...	1.522	1.421	1.374	1.330	1.330	1.427	1.319	1.444				1.568	1.415	6.19
92)	Cis-1,2-Dichlo...	1.238	1.144	1.148	1.053	1.138	1.234	1.173	1.316				1.268	1.190	6.77
95)	int 1,4-Difluorobenzen...	-----ISTD-----													
98)	Trichloroethen...	0.474	0.455	0.435	0.406	0.398	0.419	0.405	0.448				0.534	0.441	9.76
104)	Tetrachloroeth...	0.616	0.583	0.569	0.532	0.533	0.553	0.543	0.591	0.557			0.620	0.570	5.63
105)	int Chlorobenzene-d5(sim)	-----ISTD-----													
108)	Ethylbenzene(sim)	2.953	2.858	2.656	2.548	2.579	2.835	2.749					3.023	2.775	6.22

Response Factor Report Chem24

Method Path : H:\AIR2021\CHEM24\METHODS\
Method File : 24AIR_0627.M
Title : VOA Standards for 5 point calibration

109)	m,p-Xylene(sim)	1.899	1.933	1.767	1.652	1.821	2.001	1.973	2.226			
116)	1,4-Dichlorobe...	1.942	1.899	1.794	1.741	1.878	1.985	2.042	2.250	2.157	1.965	8.36
121)	1,2,4-Trichlor...	0.633	0.570	0.525	0.527	0.541	0.625	0.651		0.765	0.605	13.50

(#, \$, @) = 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: CHEM24
 Heated Purge (Y/N): Y
 GC Column: _____

Client: WALDENE-IPARK
 SDG No.: GCI65769
 Calibration Date From: 06/27/21 21:19
 Calibration Date Thru: 06/28/21 02:43
 Method File: 24AIR_0627.M

Laboratory File Ids

RRF1	0627_03.D	RRF2	0627_04.D	RRF3	0627_05.D	RRF4	0627_06.D	RRF5	0627_07.D	RRF6	0627_08.D	RRF7	0627_14.D	RRF8	0627_09.D	RRF9	0627_10.D	RRF10	0627_15.D	RRF11	0627_11.D	RRF12	0627_12.D		
COMPOUND	RRF1	RRF2	RRF3	RRF4	RRF5	RRF6	RRF7	RRF8	RRF9	RRF10	RRF11	RRF12	RRF	%											
Dichlorodifluoromethane	0.02	0.035	0.05	0.1	0.2	0.5	1	2.5	5	10	25	40	RRF	RSD											
Vinyl Chloride				2.121	1.991	1.930	2.108	1.966	2.169	1.999	1.910	1.861	2.006	5.23											
Acetone				0.707	0.651	0.666	0.756	0.664	0.766	0.725	0.700	0.734	0.708	5.83											
Trichlorofluoromethane					1.617	1.363	1.436	1.346	1.822	1.684	1.477	1.658	1.550	10.98											
1,1-Dichloroethene				2.368	2.275	2.160	2.255	2.163	2.352	2.195	2.054	2.156	2.220	4.57											
Methylene Chloride				1.323	1.196	1.190	1.305	1.198	1.317	1.260	1.195	1.275	1.251	4.54											
Trichlorotrifluoroethane					1.191	1.182	1.177	1.124	1.223	1.163	0.967	1.168	1.149	6.86											
Cis-1,2-Dichloroethene				1.908	1.769	1.664	1.778	1.639	1.830	1.707	1.604	1.724	1.736	5.56											
1,1,1-Trichloroethane				1.099	0.971	0.938	1.082	1.072	1.203	1.204	1.181	1.227	1.108	9.44											
Benzene				1.898	1.776	1.774	1.877	1.736	1.932	1.821	1.773	1.834	1.824	3.63											
Carbon Tetrachloride				2.047	1.882	1.818	2.065	1.857	2.057	2.031	1.927	2.084	1.974	5.21											
Trichloroethene				2.163	2.071	2.006	2.107	2.042	2.256	2.093	2.059	2.086	2.098	3.51											
Toluene				0.420	0.398	0.393	0.408	0.398	0.437	0.424	0.422	0.424	0.414	3.64											
Tetrachloroethene				0.780	0.708	0.723	0.812	0.785	0.871	0.855	0.829	0.852	0.802	7.20											
Chlorobenzene				0.585	0.521	0.544	0.560	0.563	0.600	0.567	0.570	0.560	0.563	4.02											
Ethylbenzene				2.072	1.919	1.884	1.958	1.846	2.065	1.918	1.893	1.904	1.940	4.06											
m,p-Xylene				2.537	2.352	2.392	2.577	2.524	2.820	2.745	2.693	2.704	2.594	6.15											
o-Xylene				1.767	1.652	1.819	1.600	1.970	2.226	2.117	2.048	1.971	1.908	11.12											
1,3-Dichlorobenzene				1.802	1.616	1.680	1.966	1.958	2.328	2.237	2.151	2.275	2.002	13.15											
1,4-Dichlorobenzene				1.790	1.764	1.872	1.955	1.937	2.158	1.978	1.961	1.817	1.915	6.32											
1,2-Dichlorobenzene				1.719	1.651	1.715	1.819	1.873	2.075	1.925	1.934	1.854	1.841	7.15											
1,2,4-Trichlorobenzene				1.453	1.338	1.383	1.519	1.520	1.670	1.550	1.544	1.455	1.492	6.62											
Vinyl Chloride(sim)		0.866	0.777		0.527	0.542	0.625	0.651	0.631	0.620	0.660	0.688	0.618	9.07											
Benzene(sim)	3.009	2.794	2.426	0.758	0.721	0.709	0.816	0.720	0.812				0.772	7.23											
Carbon Tetrachloride(sim)	2.193	2.312	2.398	2.187	2.022	2.056	2.285	2.043					2.353	15.71											
	2.166	2.140	2.030	2.141	2.071	2.278							2.192	5.37											

(#) 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

Phoenix Environmental Laboratories, Inc.

6B

Client: WALDENE-IPARK

SDG No.: GCI65769

Calibration Date From: 06/27/21 21:19

Calibration Date Thru: 06/28/21 02:43

Method File: 24AIR 0627.M

RRF1	<u>0627_03.D</u>	RRF2	<u>0627_04.D</u>	RRF3	<u>0627_05.D</u>	RRF4	<u>0627_06.D</u>	RRF5	<u>0627_07.D</u>	RRF6	<u>0627_08.D</u>
RRF7	<u>0627_14.D</u>	RRF8	<u>0627_09.D</u>	RRF9	<u>0627_10.D</u>	RRF10	<u>0627_15.D</u>	RRF11	<u>0627_11.D</u>	RRF12	<u>0627_12.D</u>

[illegible]

(#) The maximum %RSD was not met for this compound

(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

Phoenix Environmental Laboratories, Inc.

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_03.D
 Acq On : 27 Jun 2021 7:10 pm
 Operator : Keith
 Client ID : ICAL 0.02
 Lab ID : 0.02 ppb ; AIR34A
 ALS Vial : 47 Sample Multiplier: 1

Quant Time: Jun 28 09:22:25 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jun 28 09:21:17 2021
 Response via : Initial Calibration

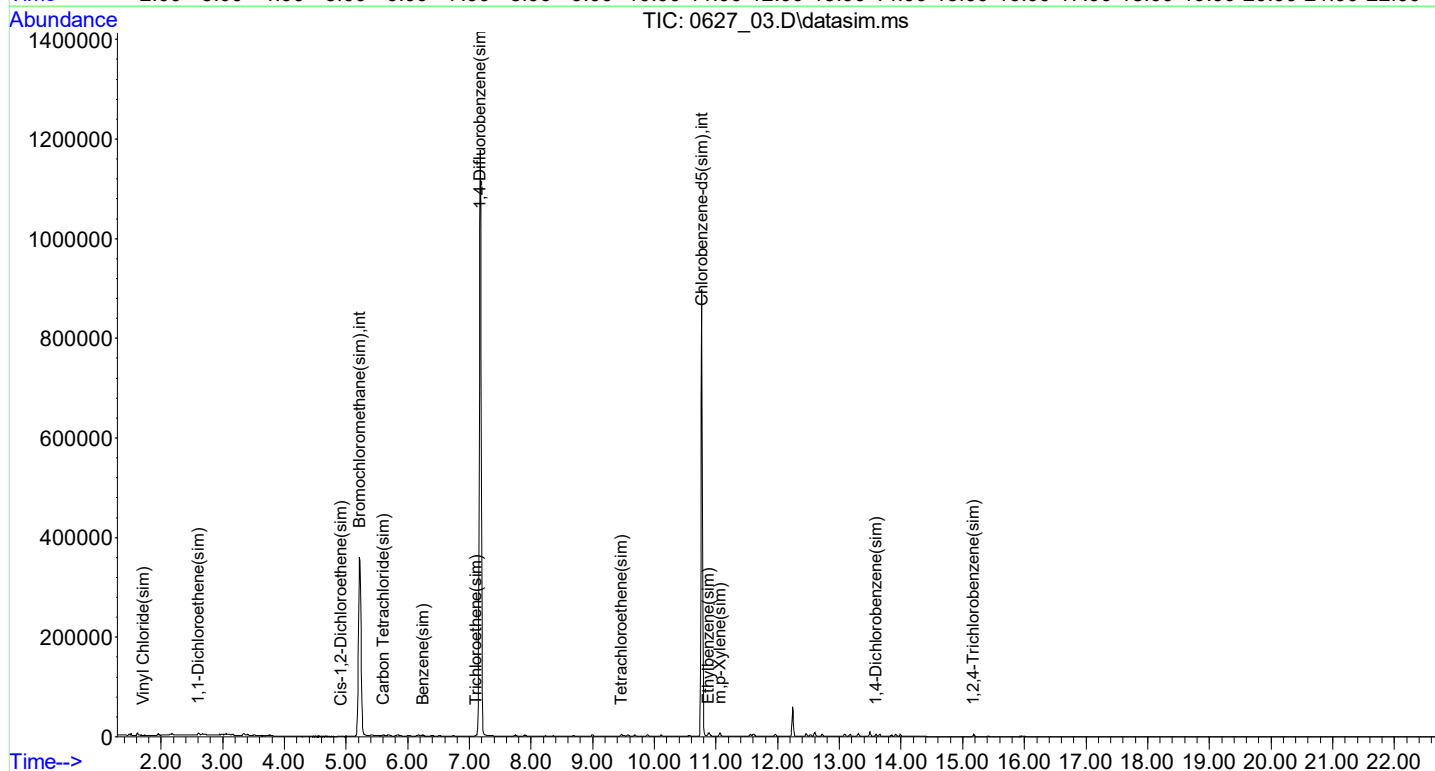
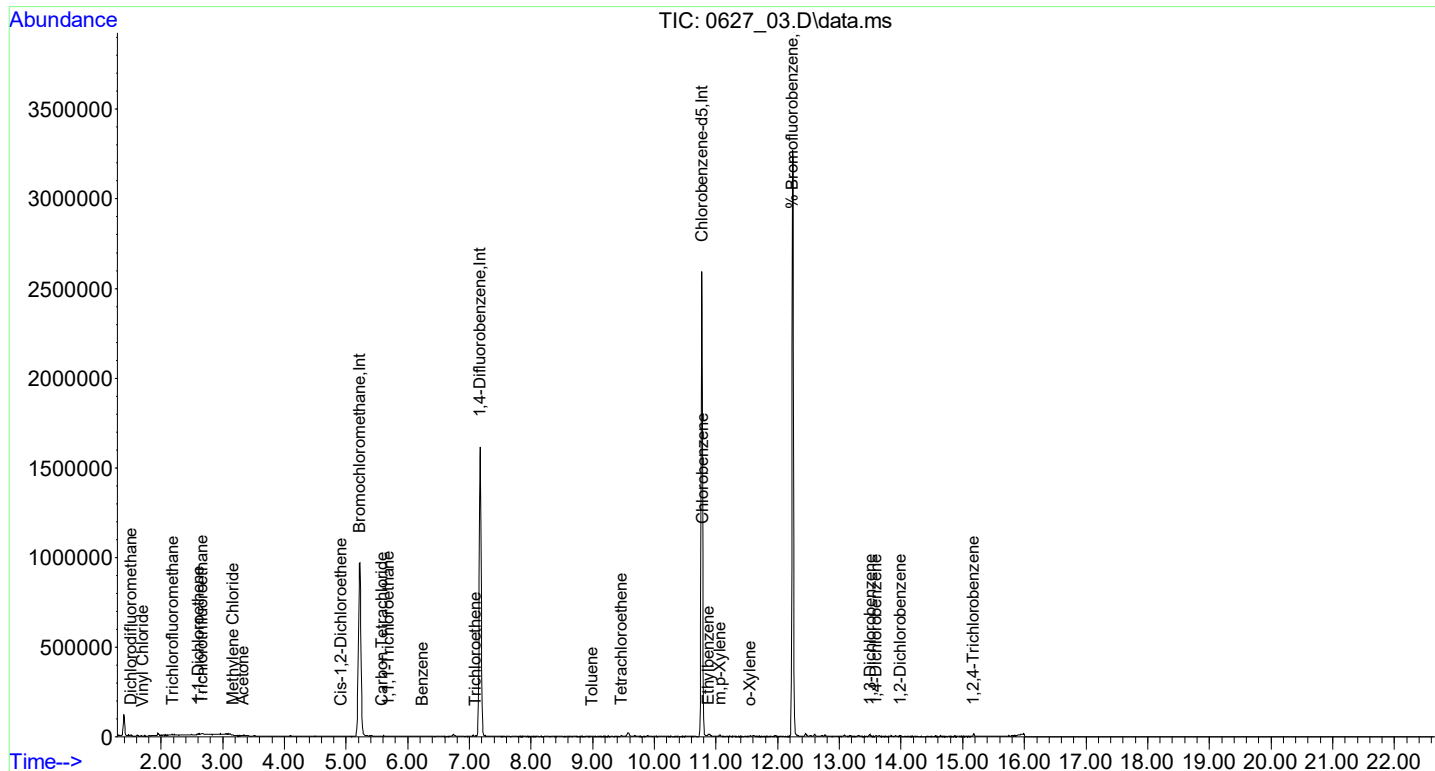
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.223	130	544392	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.171	114	1659727	10.000	ng	0.00
53) Chlorobenzene-d5	10.769	82	685173	10.000	ng	0.00
80) Bromochloromethane(sim)	5.219	130	537286	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.171	114	1659397	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.769	82	685173	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.239	95	974530	9.715	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.20%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.514	85	2744	0.025	ppbv#	89
6) Vinyl Chloride	1.706	62	1146	0.030	ppbv	98
12) Acetone	3.335	43	5618	0.067	ppbv	92
13) Trichlorofluoromethane	2.185	101	2966	0.025	ppbv#	93
16) 1,1-Dichloroethene	2.603	61	1747	0.026	ppbv#	81
17) Methylene Chloride	3.164	49	2090	0.033	ppbv#	77
21) Trichlorotrifluoroethane	2.664	101	2042	0.022	ppbv#	92
26) Cis-1,2-Dichloroethene	4.916	61	1238	0.021	ppbv#	86
32) 1,1,1-Trichloroethane	5.685	97	2308	0.023	ppbv#	89
33) Benzene	6.240	78	3057	0.028	ppbv#	89
34) Carbon Tetrachloride	5.584	117	2334	0.020	ppbv	93
39) Trichloroethene	7.103	130	1965	0.029	ppbv#	86
48) Toluene	8.990	91	2989	0.022	ppbv	97
52) Tetrachloroethene	9.459	166	2052	0.022	ppbv	93
55) Chlorobenzene	10.783	112	2871	0.022	ppbv#	1
56) Ethylbenzene	10.879	91	3957	0.022	ppbv	93
57) m,p-Xylene	11.064	91	5807	0.044	ppbv	97
61) o-Xylene	11.551	91	2722	0.020	ppbv#	95
71) 1,3-Dichlorobenzene	13.498	146	3105	0.024	ppbv	98
72) 1,4-Dichlorobenzene	13.595	146	2555	0.020	ppbv	96
75) 1,2-Dichlorobenzene	13.985	146	2619	0.026	ppbv	96
77) 1,2,4-Trichlorobenzene	15.170	180	1048	0.025	ppbv	96
82) Vinyl Chloride(sim)	1.715	62	906	0.022	ppbv	92
86) Benzene(sim)	6.243	78	3233	0.026	ppbv	97
87) Carbon Tetrachloride(sim)	5.601	117	2356m	0.020	ppbv	31
88) 1,1-Dichloroethene(sim)	2.606	61	1685	0.022	ppbv	99
92) Cis-1,2-Dichloroethene...	4.914	61	1363	0.021	ppbv	99
98) Trichloroethene(sim)	7.113	130	1773	0.024	ppbv	91
104) Tetrachloroethene(sim)	9.470	166	2056	0.022	ppbv	99
108) Ethylbenzene(sim)	10.875	91	4143	0.022	ppb #	98
109) m,p-Xylene(sim)	11.064	91	5807	0.044	ppbv#	97
116) 1,4-Dichlorobenzene(sim)	13.592	146	2956	0.022	ppbv	98
121) 1,2,4-Trichlorobenzene...	15.170	180	1048	0.025	ppbv	96

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_03.D
 Acq On : 27 Jun 2021 7:10 pm
 Operator : Keith
 Client ID : ICAL 0.02
 Lab ID : 0.02 ppb ; AIR34A
 ALS Vial : 47 Sample Multiplier: 1

Quant Time: Jun 28 09:22:25 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 28 09:21:17 2021
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_04.D
 Acq On : 27 Jun 2021 7:42 pm
 Operator : Keith
 Client ID : ICAL 0.035
 Lab ID : 0.035 ppb ; AIR34A
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 28 09:23:05 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jun 28 09:22:48 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.223	130	528884	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.171	114	1599904	10.000	ng	0.00
53) Chlorobenzene-d5	10.769	82	660769	10.000	ng	0.00
80) Bromochloromethane(sim)	5.219	130	520245	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.171	114	1599904	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.769	82	660769	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	12.239	95	938422	9.701	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.00%

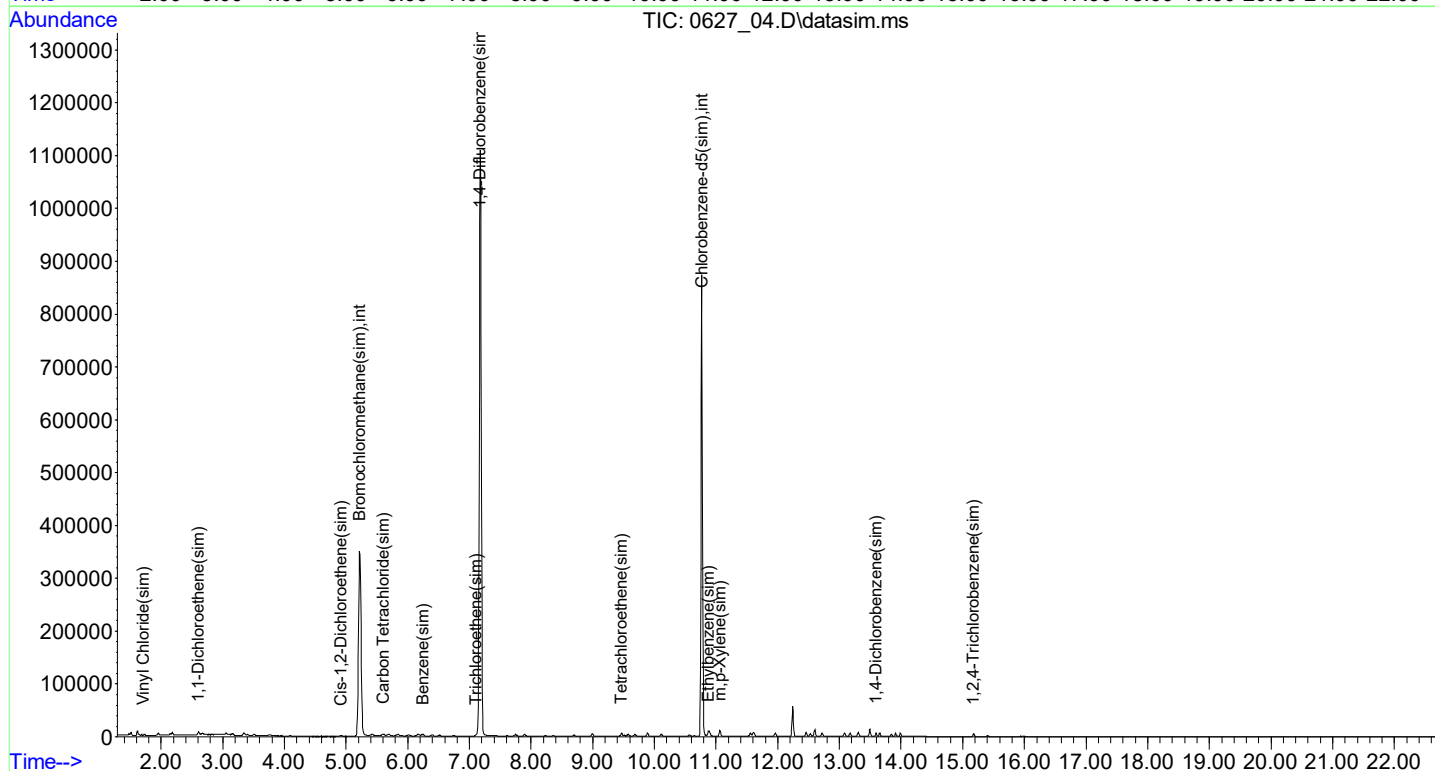
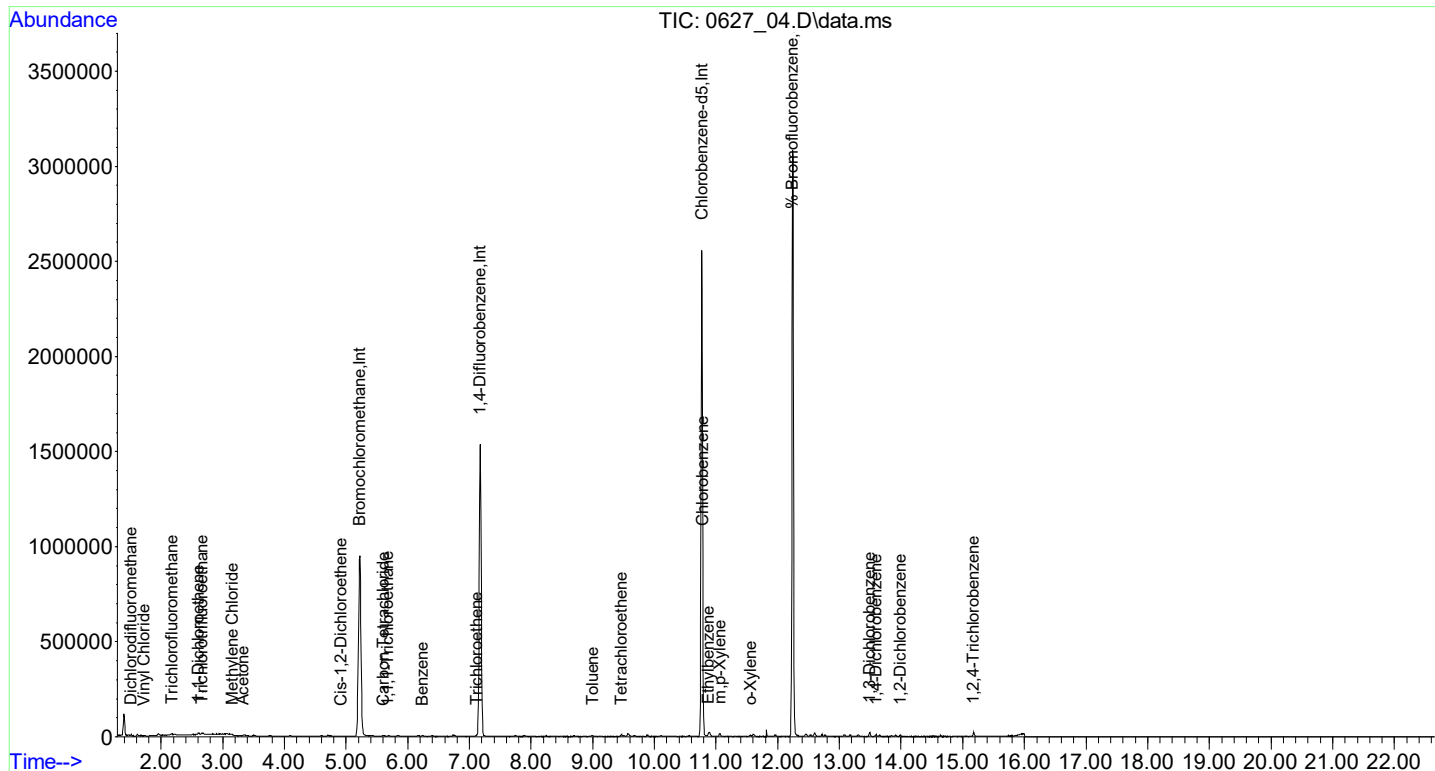
Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.514	85	4454	0.042	ppbv#	87
6) Vinyl Chloride	1.719	62	1836	0.049	ppbv	93
12) Acetone	3.328	43	7023	0.086	ppbv#	89
13) Trichlorofluoromethane	2.178	101	4995	0.043	ppbv#	96
16) 1,1-Dichloroethene	2.603	61	3023	0.046	ppbv	85
17) Methylene Chloride	3.157	49	2972	0.049	ppbv	98
21) Trichlorotrifluoroethane	2.671	101	3850	0.042	ppbv#	92
26) Cis-1,2-Dichloroethene	4.921	61	2037	0.035	ppbv#	91
32) 1,1,1-Trichloroethane	5.677	97	2248	0.023	ppbv#	45
33) Benzene	6.233	78	4585	0.044	ppbv	94
34) Carbon Tetrachloride	5.598	117	4261	0.038	ppbv	95
39) Trichloroethene	7.116	130	2548	0.039	ppbv	92
48) Toluene	8.997	91	4807	0.037	ppbv	98
52) Tetrachloroethene	9.467	166	3406	0.038	ppbv	93
55) Chlorobenzene	10.783	112	5208	0.041	ppbv#	30
56) Ethylbenzene	10.872	91	6597	0.038	ppbv	96
57) m,p-Xylene	11.057	91	8784	0.070	ppbv#	93
61) o-Xylene	11.558	91	3848	0.029	ppbv#	85
71) 1,3-Dichlorobenzene	13.492	146	4570	0.036	ppbv	96
72) 1,4-Dichlorobenzene	13.595	146	4415	0.036	ppbv	93
75) 1,2-Dichlorobenzene	13.985	146	3547	0.036	ppbv	90
77) 1,2,4-Trichlorobenzene	15.170	180	1464	0.036	ppbv	92
82) Vinyl Chloride(sim)	1.716	62	1576	0.039	ppbv	90
86) Benzene(sim)	6.243	78	5088	0.042	ppbv	98
87) Carbon Tetrachloride(sim)	5.598	117	4209	0.037	ppbv	95
88) 1,1-Dichloroethene(sim)	2.606	61	2771	0.038	ppbv	98
92) Cis-1,2-Dichloroethene...	4.914	61	2255	0.036	ppbv	99
98) Trichloroethene(sim)	7.113	130	2653	0.038	ppbv	89
104) Tetrachloroethene(sim)	9.470	166	3452	0.038	ppbv	99
108) Ethylbenzene(sim)	10.875	91	6829	0.037	ppb	99
109) m,p-Xylene(sim)	11.057	91	8784	0.070	ppbv	97
116) 1,4-Dichlorobenzene(sim)	13.592	146	4491	0.035	ppbv	98
121) 1,2,4-Trichlorobenzene...	15.170	180	1464	0.037	ppbv	93

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_04.D
 Acq On : 27 Jun 2021 7:42 pm
 Operator : Keith
 Client ID : ICAL 0.035
 Lab ID : 0.035 ppb ; AIR34A
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 28 09:23:05 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 28 09:22:48 2021
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_05.D
 Acq On : 27 Jun 2021 8:14 pm
 Operator : Keith
 Client ID : ICAL 0.05
 Lab ID : 0.05 ppb ; AIR34A
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 28 09:23:58 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jun 28 09:23:34 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.216	130	530200	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.171	114	1621888	10.000	ng	0.00
53) Chlorobenzene-d5	10.769	82	676772	10.000	ng	0.00
80) Bromochloromethane(sim)	5.219	130	528955	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.171	114	1621888	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.769	82	676772	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 12.239 95 965979 9.750 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 97.50%

Target Compounds

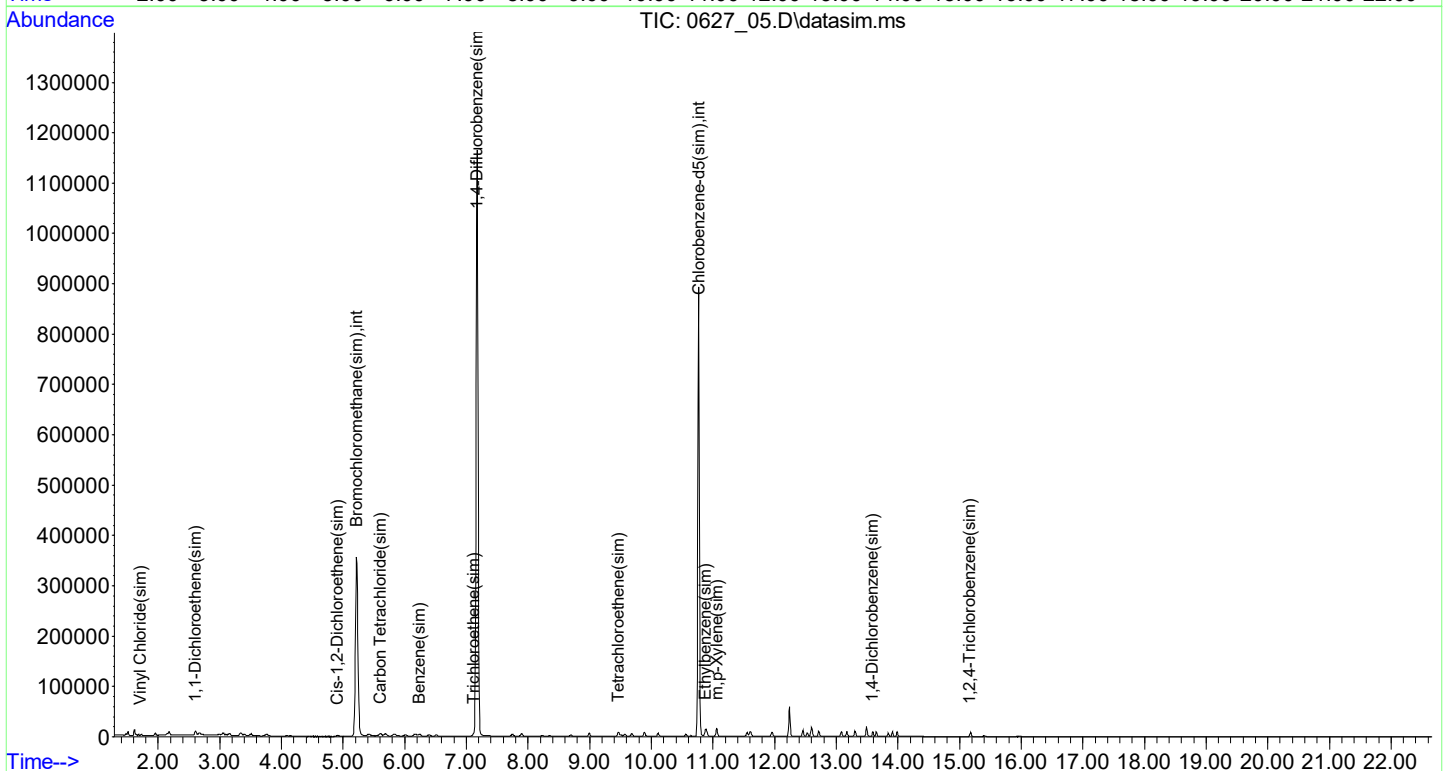
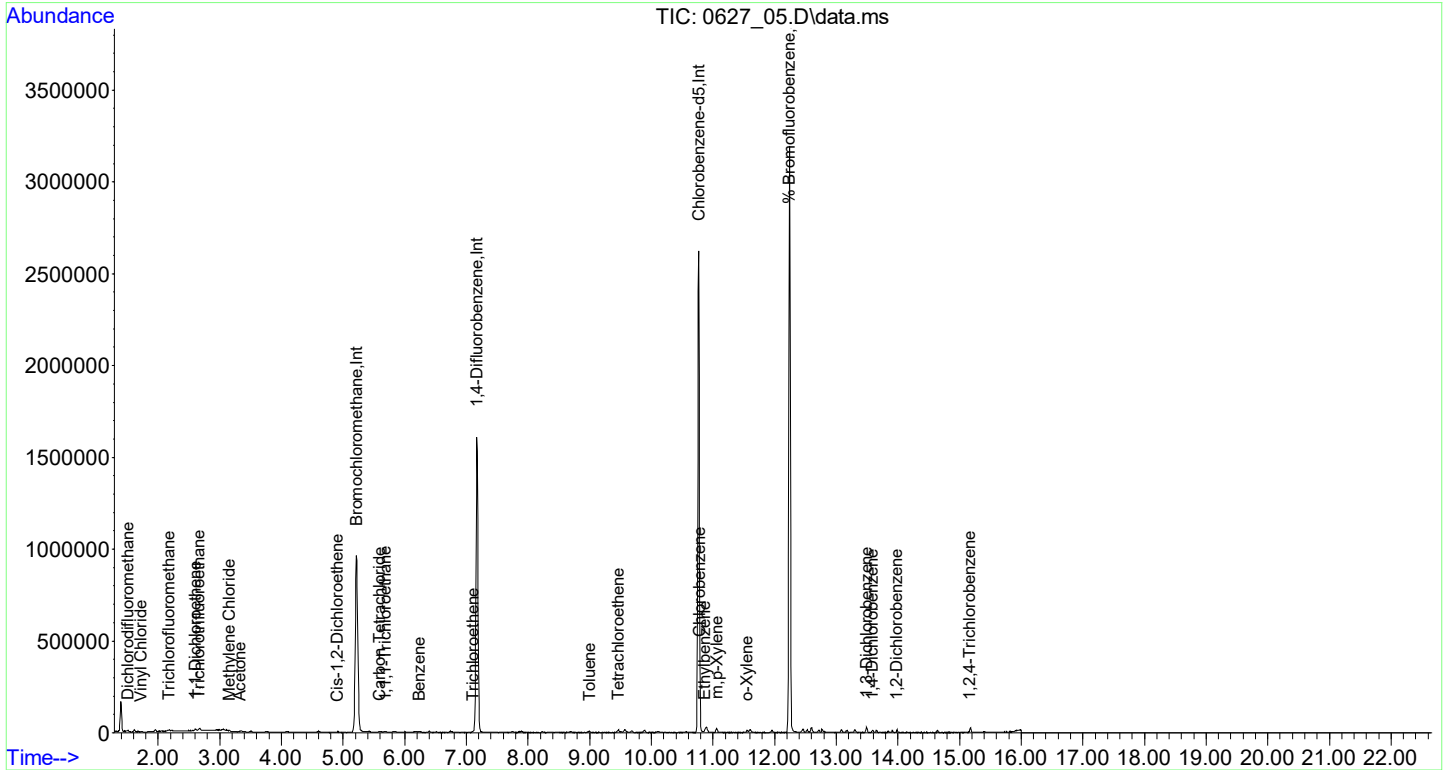
						Qvalue
3) Dichlorodifluoromethane	1.514	85	6162	0.058	ppbv	99
6) Vinyl Chloride	1.719	62	2075	0.055	ppbv	90
12) Acetone	3.335	43	6416	0.078	ppbv#	85
13) Trichlorofluoromethane	2.178	101	6229	0.053	ppbv#	94
16) 1,1-Dichloroethene	2.603	61	3529	0.053	ppbv#	88
17) Methylene Chloride	3.157	49	3913	0.064	ppbv#	82
21) Trichlorotrifluoroethane	2.664	101	4989	0.054	ppbv	97
26) Cis-1,2-Dichloroethene	4.911	61	2744	0.047	ppbv#	89
32) 1,1,1-Trichloroethane	5.684	97	5414	0.056	ppbv#	55
33) Benzene	6.240	78	5750	0.055	ppbv	96
34) Carbon Tetrachloride	5.598	117	6416	0.058	ppbv	90
39) Trichloroethene	7.109	130	3376	0.050	ppbv	90
48) Toluene	8.997	91	6456	0.050	ppbv	97
52) Tetrachloroethene	9.466	166	4959	0.054	ppbv	94
55) Chlorobenzene	10.790	112	6819	0.052	ppbv#	77
56) Ethylbenzene	10.872	91	9279	0.053	ppbv	96
57) m,p-Xylene	11.064	91	13079	0.101	ppbv	94
61) o-Xylene	11.558	91	7161	0.053	ppbv#	77
71) 1,3-Dichlorobenzene	13.491	146	6722	0.052	ppbv	97
72) 1,4-Dichlorobenzene	13.589	146	6085	0.049	ppbv	95
75) 1,2-Dichlorobenzene	13.984	146	5493	0.054	ppbv	91
77) 1,2,4-Trichlorobenzene	15.169	180	2069	0.049	ppbv	89
82) Vinyl Chloride(sim)	1.715	62	2055	0.050	ppbv	99
86) Benzene(sim)	6.243	78	6415	0.052	ppbv	91
87) Carbon Tetrachloride(sim)	5.598	117	6341	0.055	ppbv	88
88) 1,1-Dichloroethene(sim)	2.606	61	3759	0.050	ppbv	99
92) Cis-1,2-Dichloroethene...	4.914	61	3025	0.048	ppbv	99
98) Trichloroethene(sim)	7.119	130	3686	0.051	ppbv	96
104) Tetrachloroethene(sim)	9.469	166	4728	0.051	ppbv	98
108) Ethylbenzene(sim)	10.875	91	9670	0.051	ppb	99
109) m,p-Xylene(sim)	11.064	91	13079	0.101	ppbv	95
116) 1,4-Dichlorobenzene(sim)	13.592	146	6425	0.048	ppbv	99
121) 1,2,4-Trichlorobenzene...	15.169	180	1930	0.047	ppbv	92

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_05.D
 Acq On : 27 Jun 2021 8:14 pm
 Operator : Keith
 Client ID : ICAL 0.05
 Lab ID : 0.05 ppb ; AIR34A
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 28 09:23:58 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 28 09:23:34 2021
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_06.D
 Acq On : 27 Jun 2021 8:46 pm
 Operator : Keith
 Client ID : ICAL 0.1
 Lab ID : 0.10 ppb ; AIR34A
 ALS Vial : 50 Sample Multiplier: 1

Quant Time: Jun 28 09:24:47 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jun 28 09:24:20 2021
 Response via : Initial Calibration

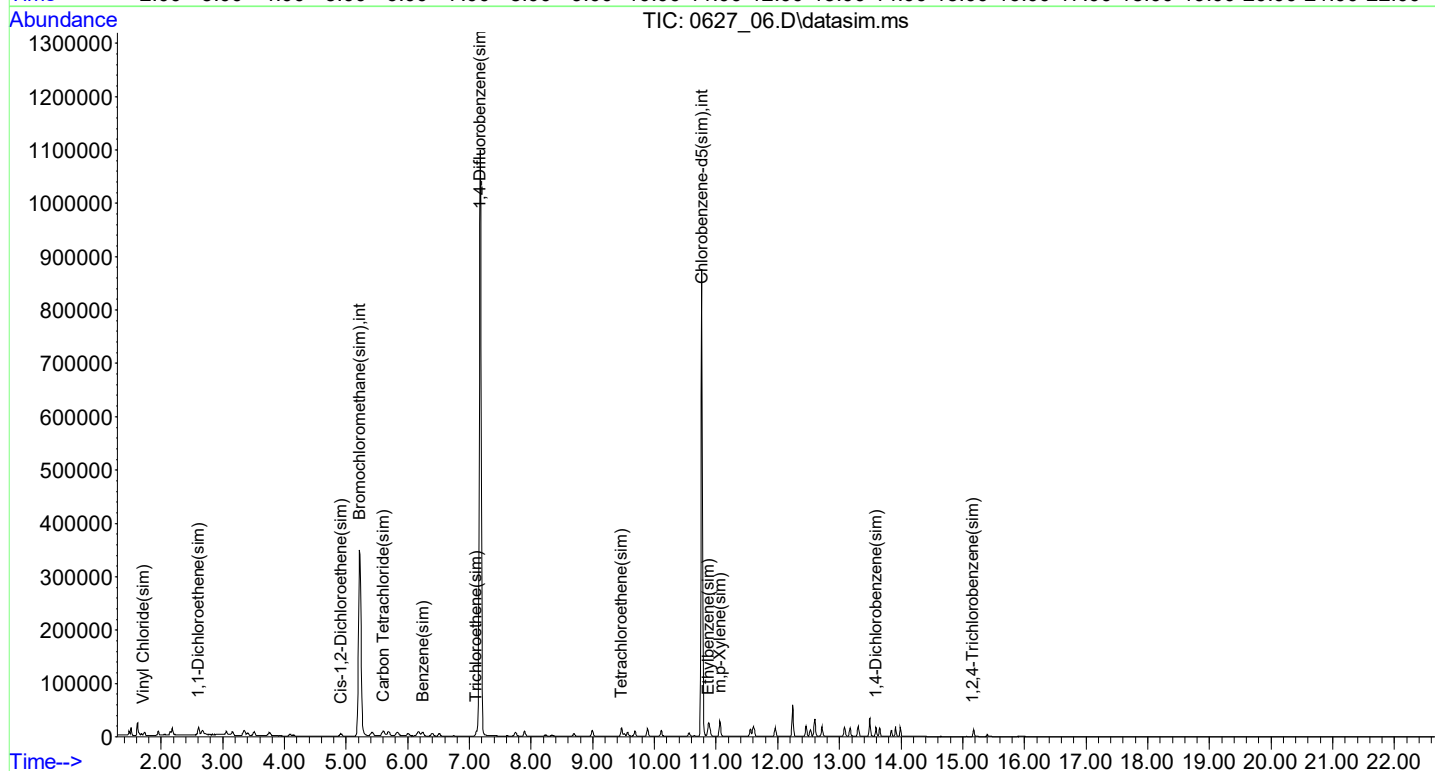
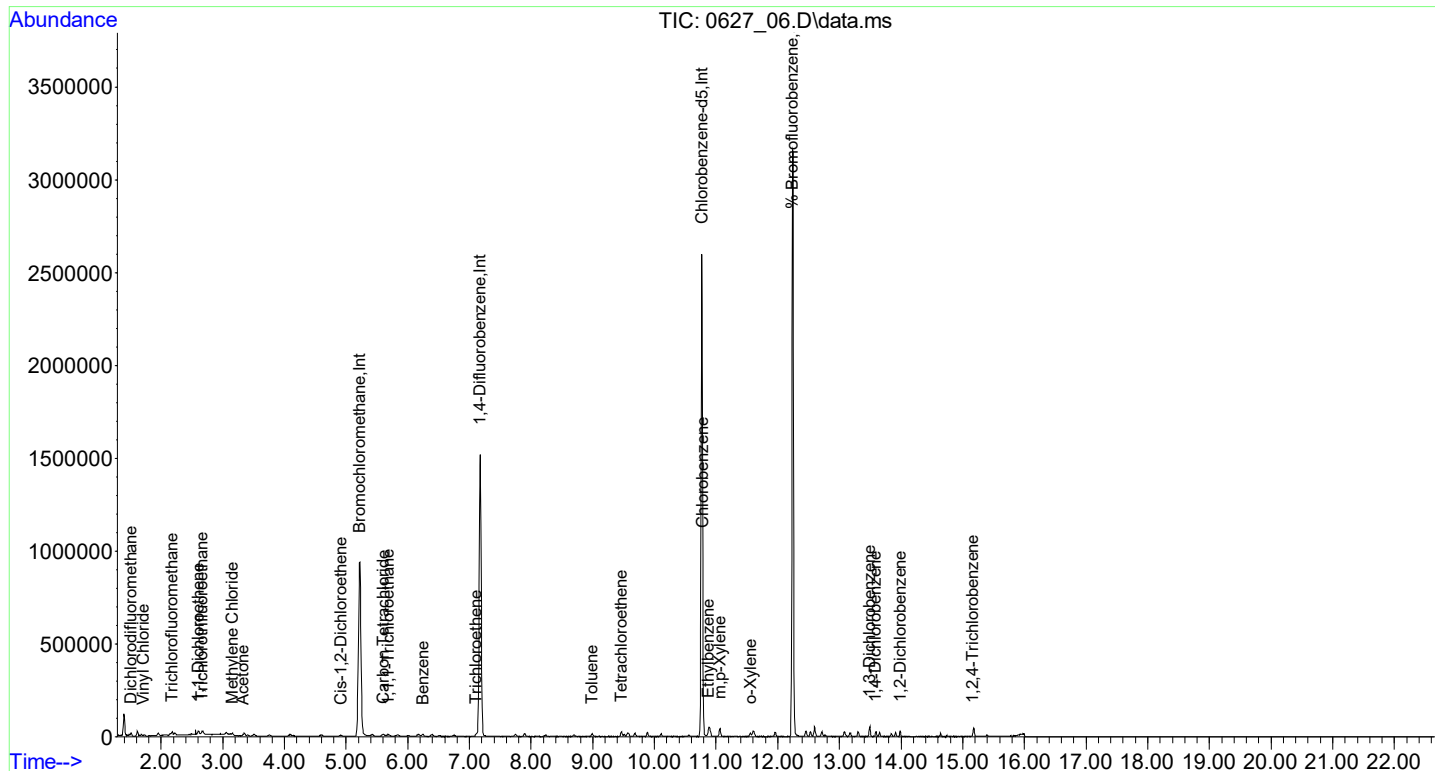
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.223	130	522059	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.171	114	1559909	10.000	ng	0.00
53) Chlorobenzene-d5	10.769	82	655653	10.000	ng	0.00
80) Bromochloromethane(sim)	5.219	130	515196	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.171	114	1559909	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.769	82	655653	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.239	95	943039	9.825	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.20%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.514	85	11073	0.106	ppbv	98
6) Vinyl Chloride	1.712	62	3692	0.100	ppbv	97
12) Acetone	3.335	43	10052	0.124	ppbv	99
13) Trichlorofluoromethane	2.178	101	12361	0.107	ppbv	99
16) 1,1-Dichloroethene	2.603	61	6905	0.106	ppbv	90
17) Methylene Chloride	3.157	49	7346	0.122	ppbv	98
21) Trichlorotrifluoroethane	2.664	101	9963	0.110	ppbv	94
26) Cis-1,2-Dichloroethene	4.916	61	5735	0.099	ppbv	88
32) 1,1,1-Trichloroethane	5.684	97	9907	0.104	ppbv	97
33) Benzene	6.247	78	10686	0.104	ppbv	91
34) Carbon Tetrachloride	5.605	117	11290	0.103	ppbv	92
39) Trichloroethene	7.109	130	6548	0.101	ppbv	95
48) Toluene	8.990	91	12175	0.097	ppbv	97
52) Tetrachloroethene	9.466	166	9123	0.104	ppbv	98
55) Chlorobenzene	10.783	112	13585	0.107	ppbv#	50
56) Ethylbenzene	10.879	91	16636	0.098	ppbv	96
57) m,p-Xylene	11.064	91	23168	0.185	ppbv	95
61) o-Xylene	11.558	91	11815	0.090	ppbv	97
71) 1,3-Dichlorobenzene	13.491	146	11734	0.093	ppbv	97
72) 1,4-Dichlorobenzene	13.589	146	11271	0.093	ppbv	98
75) 1,2-Dichlorobenzene	13.984	146	9528	0.097	ppbv	95
77) 1,2,4-Trichlorobenzene	15.165	180	3443	0.085	ppbv	95
82) Vinyl Chloride(sim)	1.715	62	3905	0.098	ppbv	97
86) Benzene(sim)	6.243	78	11268	0.093	ppbv	98
87) Carbon Tetrachloride(sim)	5.605	117	11157	0.099	ppbv#	97
88) 1,1-Dichloroethene(sim)	2.606	61	7080	0.097	ppbv	98
92) Cis-1,2-Dichloroethene...	4.914	61	5913	0.096	ppbv	95
98) Trichloroethene(sim)	7.112	130	6779	0.098	ppbv	98
104) Tetrachloroethene(sim)	9.469	166	8874	0.100	ppbv	99
108) Ethylbenzene(sim)	10.875	91	17416	0.096	ppb	99
109) m,p-Xylene(sim)	11.064	91	23168	0.185	ppbv	96
116) 1,4-Dichlorobenzene(sim)	13.592	146	11761	0.091	ppbv	99
121) 1,2,4-Trichlorobenzene...	15.165	180	3443	0.087	ppbv	98

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_06.D
 Acq On : 27 Jun 2021 8:46 pm
 Operator : Keith
 Client ID : ICAL 0.1
 Lab ID : 0.10 ppb ; AIR34A
 ALS Vial : 50 Sample Multiplier: 1

Quant Time: Jun 28 09:24:47 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 28 09:24:20 2021
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_07.D
 Acq On : 27 Jun 2021 9:19 pm
 Operator : Keith
 Client ID : ICAL 0.25
 Lab ID : 0.20 ppb ; AIR34A
 ALS Vial : 51 Sample Multiplier: 1

Quant Time: Jun 28 09:25:57 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jun 28 09:25:08 2021
 Response via : Initial Calibration

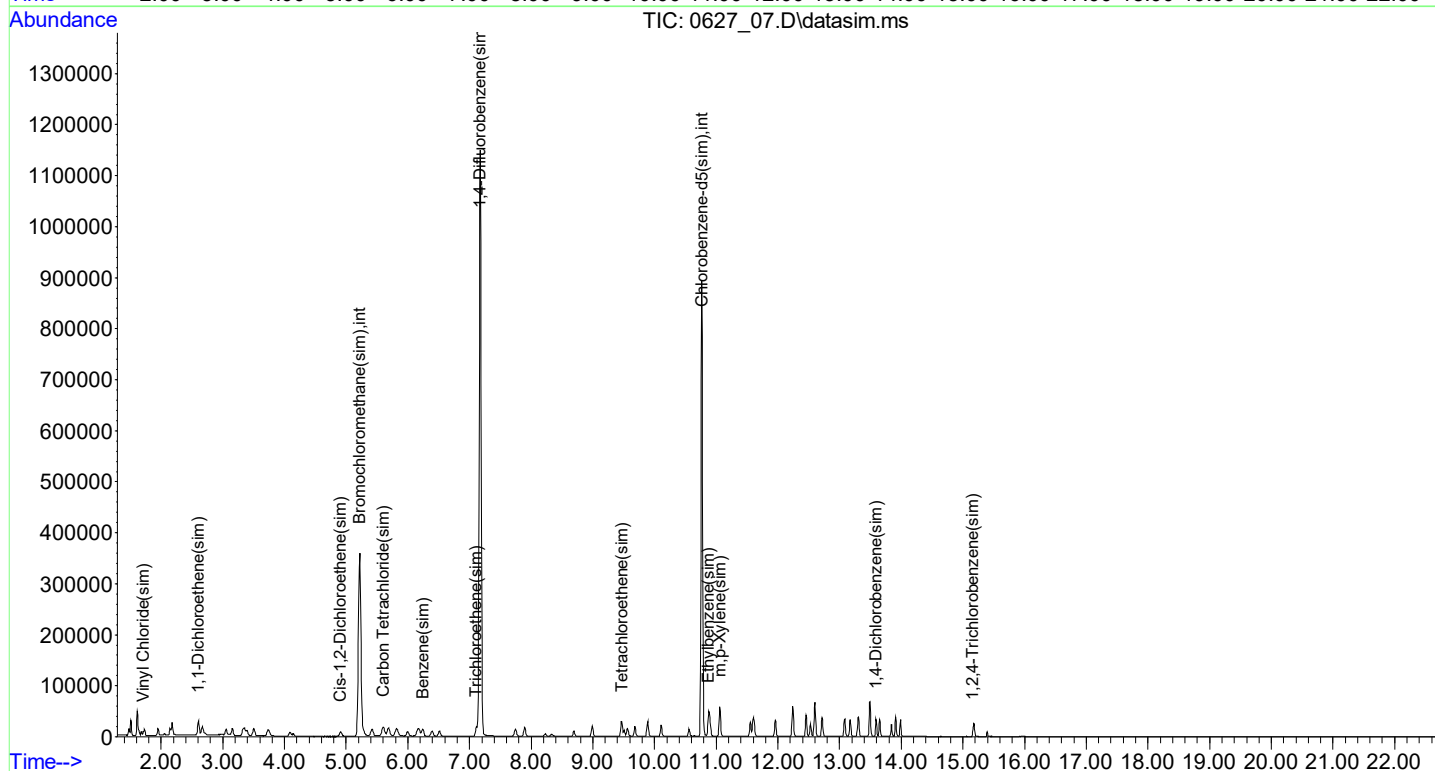
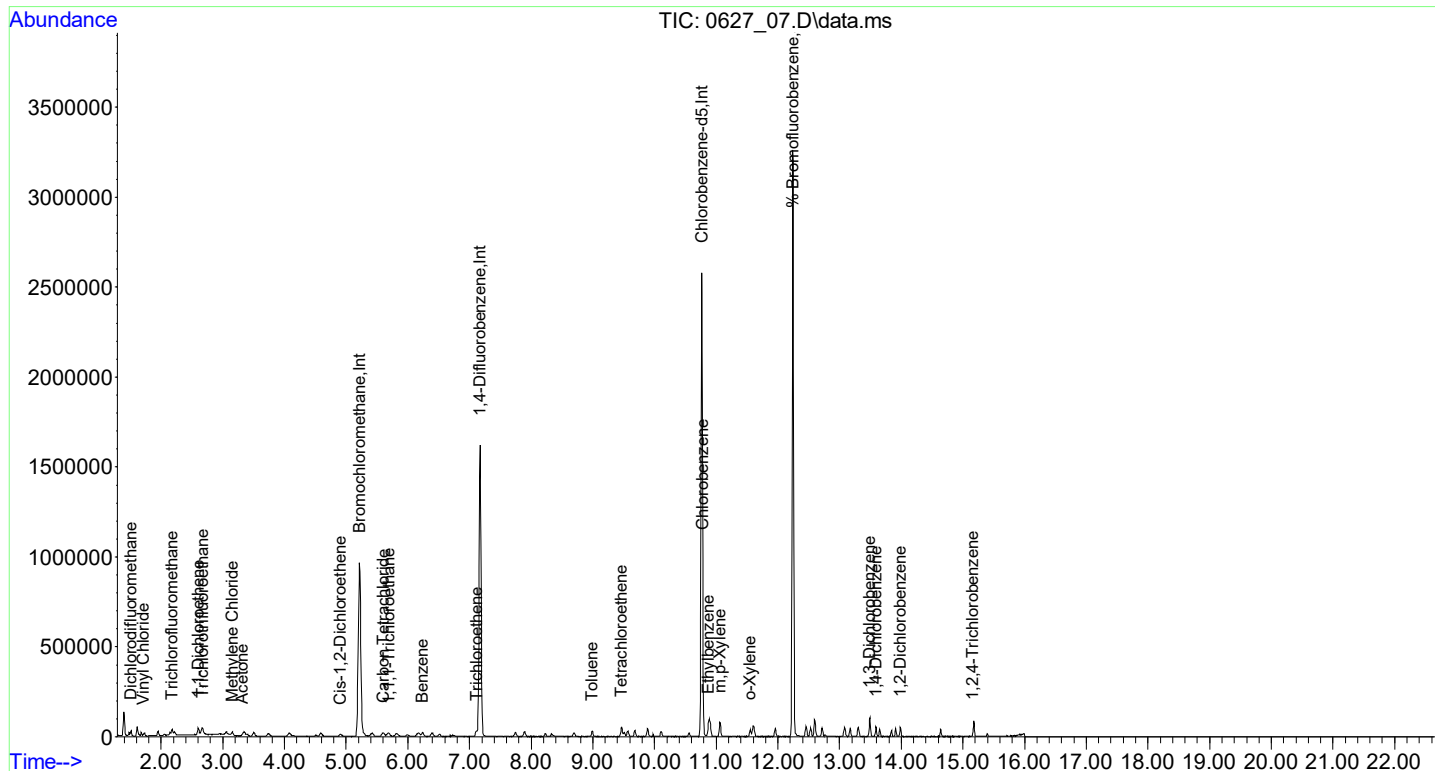
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.216	130	530135	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.171	114	1621897	10.000	ng	0.00
53) Chlorobenzene-d5	10.769	82	678054	10.000	ng	0.00
80) Bromochloromethane(sim)	5.219	130	526168	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.171	114	1621897	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.769	82	678054	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.239	95	981540	9.913	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.10%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.514	85	21109	0.198	ppbv	99
6) Vinyl Chloride	1.712	62	6906	0.184	ppbv	96
12) Acetone	3.321	43	17145	0.209	ppbv	95
13) Trichlorofluoromethane	2.178	101	24116	0.205	ppbv#	96
16) 1,1-Dichloroethene	2.603	61	12683	0.191	ppbv	96
17) Methylene Chloride	3.157	49	12632	0.207	ppbv	98
21) Trichlorotrifluoroethane	2.671	101	18753	0.204	ppbv	96
26) Cis-1,2-Dichloroethene	4.911	61	10299	0.175	ppbv	96
32) 1,1,1-Trichloroethane	5.692	97	18835	0.195	ppbv	97
33) Benzene	6.240	78	19958	0.191	ppbv	94
34) Carbon Tetrachloride	5.598	117	21954	0.197	ppbv	97
39) Trichloroethene	7.116	130	12910	0.192	ppbv	94
48) Toluene	8.990	91	22971	0.177	ppbv	93
52) Tetrachloroethene	9.466	166	16893	0.185	ppbv	93
55) Chlorobenzene	10.783	112	26022	0.198	ppbv#	71
56) Ethylbenzene	10.872	91	31891	0.181	ppbv	95
57) m,p-Xylene	11.057	91	44811	0.346	ppbv	100
61) o-Xylene	11.551	91	21918	0.161	ppbv	93
71) 1,3-Dichlorobenzene	13.491	146	23924	0.184	ppbv	99
72) 1,4-Dichlorobenzene	13.589	146	22394	0.179	ppbv	98
75) 1,2-Dichlorobenzene	13.984	146	18139	0.179	ppbv	98
77) 1,2,4-Trichlorobenzene	15.165	180	7142	0.170	ppbv	98
82) Vinyl Chloride(sim)	1.708	62	7590	0.187	ppbv	99
86) Benzene(sim)	6.243	78	21274	0.172	ppbv	98
87) Carbon Tetrachloride(sim)	5.601	117	22525m	0.195	ppbv	95
88) 1,1-Dichloroethene(sim)	2.599	61	13992	0.188	ppbv	99
92) Cis-1,2-Dichloroethene...	4.909	61	11081	0.177	ppbv	98
98) Trichloroethene(sim)	7.112	130	13183	0.184	ppbv	99
104) Tetrachloroethene(sim)	9.469	166	17245	0.187	ppbv	99
108) Ethylbenzene(sim)	10.875	91	34560	0.184	ppb	100
109) m,p-Xylene(sim)	11.057	91	44811	0.346	ppbv	100
116) 1,4-Dichlorobenzene(sim)	13.592	146	23616	0.177	ppbv	99
121) 1,2,4-Trichlorobenzene...	15.165	180	7143	0.174	ppbv	97

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_07.D
 Acq On : 27 Jun 2021 9:19 pm
 Operator : Keith
 Client ID : ICAL 0.25
 Lab ID : 0.20 ppb ; AIR34A
 ALS Vial : 51 Sample Multiplier: 1

Quant Time: Jun 28 09:25:57 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 28 09:25:08 2021
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_08.D
 Acq On : 27 Jun 2021 9:56 pm
 Operator : Keith
 Client ID : ICAL 0.5
 Lab ID : 0.50 ppb ; AIR34B
 ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 28 09:26:23 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jun 28 09:26:17 2021
 Response via : Initial Calibration

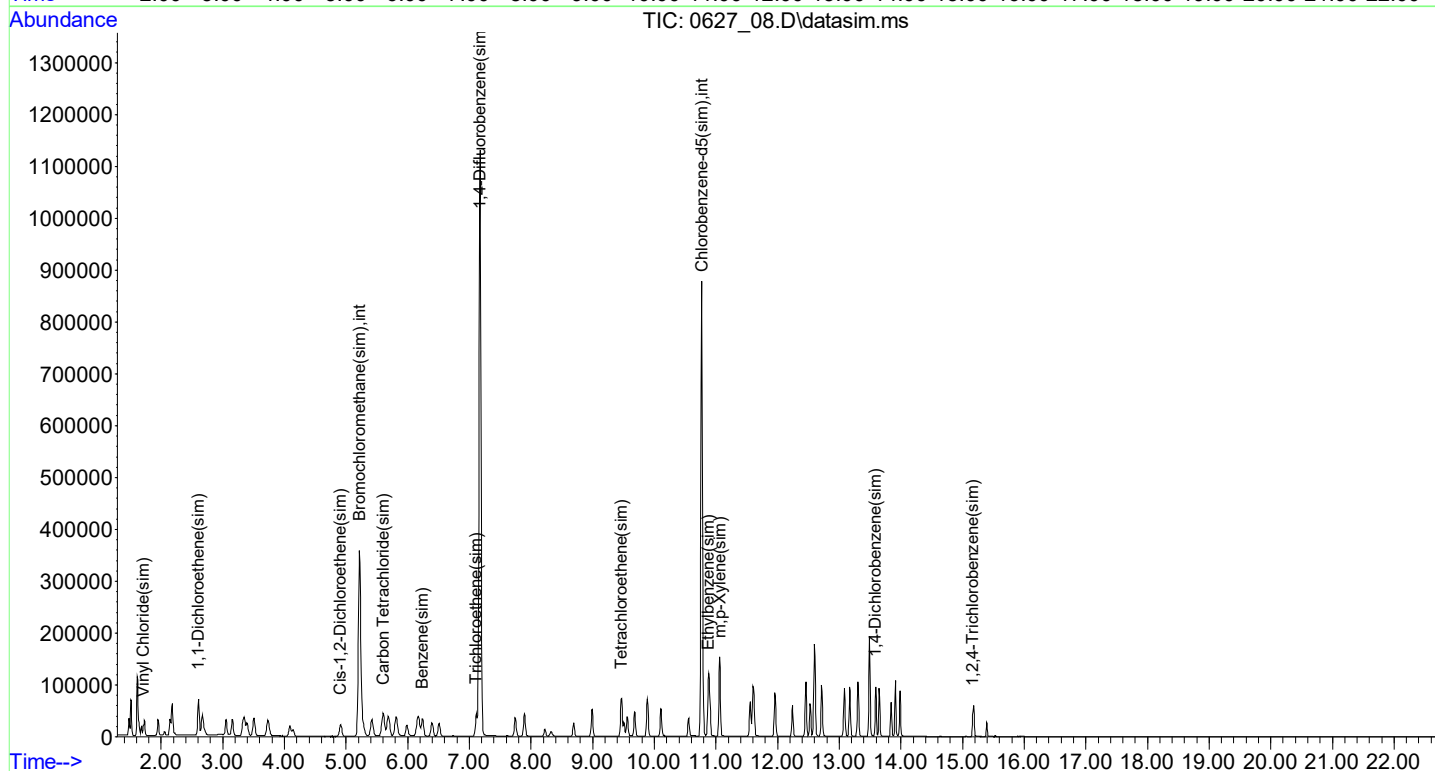
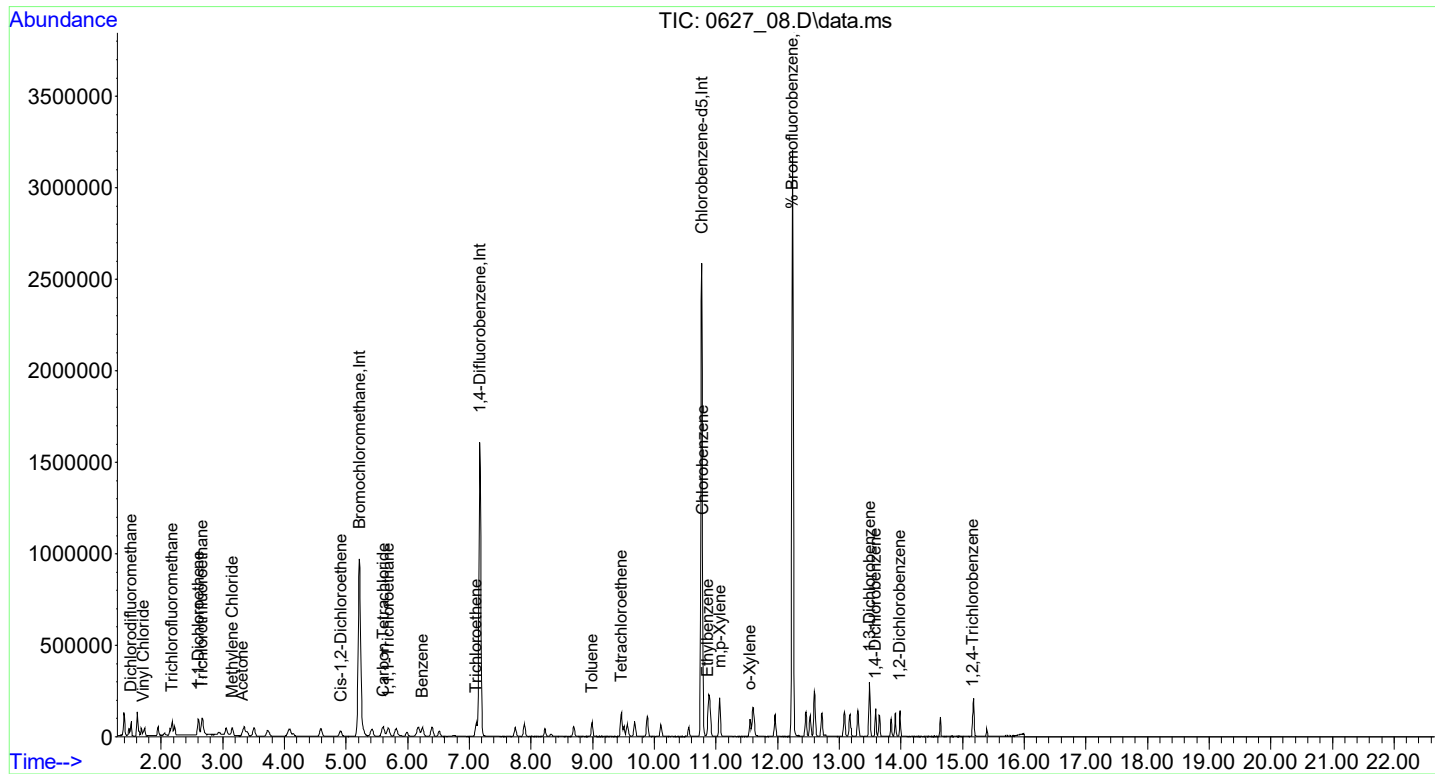
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.216	130	526885	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.171	114	1601002	10.000	ng	0.00
53) Chlorobenzene-d5	10.769	82	669344	10.000	ng	0.00
80) Bromochloromethane(sim)	5.219	130	520667	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.171	114	1601002	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.769	82	669344	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.239	95	969986	9.934	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.30%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.514	85	50840	0.481	ppbv	98
6) Vinyl Chloride	1.712	62	17547	0.471	ppbv	98
12) Acetone	3.321	43	35910	0.440	ppbv	94
13) Trichlorofluoromethane	2.178	101	56907	0.487	ppbv	99
16) 1,1-Dichloroethene	2.603	61	31347	0.476	ppbv	98
17) Methylene Chloride	3.157	49	31131	0.514	ppbv	94
21) Trichlorotrifluoroethane	2.664	101	43827	0.479	ppbv	97
26) Cis-1,2-Dichloroethene	4.916	61	24701	0.423	ppbv	99
32) 1,1,1-Trichloroethane	5.684	97	46734	0.486	ppbv	95
33) Benzene	6.240	78	47900	0.461	ppbv	99
34) Carbon Tetrachloride	5.605	117	52837	0.478	ppbv	97
39) Trichloroethene	7.109	130	31458	0.475	ppbv	96
48) Toluene	8.990	91	57876	0.451	ppbv	99
52) Tetrachloroethene	9.466	166	43508	0.482	ppbv	98
55) Chlorobenzene	10.783	112	63066	0.486	ppbv#	79
56) Ethylbenzene	10.872	91	80065	0.461	ppbv	96
57) m,p-Xylene	11.064	91	121732	0.953	ppbv	97
61) o-Xylene	11.551	91	56218	0.420	ppbv	99
71) 1,3-Dichlorobenzene	13.491	146	62658	0.489	ppbv	99
72) 1,4-Dichlorobenzene	13.589	146	57398	0.466	ppbv	98
75) 1,2-Dichlorobenzene	13.985	146	46269	0.463	ppbv	98
77) 1,2,4-Trichlorobenzene	15.165	180	18149	0.439	ppbv	97
82) Vinyl Chloride(sim)	1.708	62	18452	0.459	ppbv	99
86) Benzene(sim)	6.243	78	53530	0.437	ppbv	96
87) Carbon Tetrachloride(sim)	5.605	117	52837	0.463	ppbv#	1
88) 1,1-Dichloroethene(sim)	2.606	61	34613	0.470	ppbv	99
92) Cis-1,2-Dichloroethene...	4.909	61	29619	0.478	ppbv	98
98) Trichloroethene(sim)	7.112	130	31876	0.451	ppbv	96
104) Tetrachloroethene(sim)	9.469	166	42634	0.467	ppbv	100
108) Ethylbenzene(sim)	10.875	91	86305	0.465	ppb	100
109) m,p-Xylene(sim)	11.064	91	121904	0.954	ppbv	97
116) 1,4-Dichlorobenzene(sim)	13.592	146	62839	0.478	ppbv	100
121) 1,2,4-Trichlorobenzene...	15.165	180	18097	0.447	ppbv	97

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_08.D
 Acq On : 27 Jun 2021 9:56 pm
 Operator : Keith
 Client ID : ICAL 0.5
 Lab ID : 0.50 ppb ; AIR34B
 ALS Vial : 52 Sample Multiplier: 1

Quant Time: Jun 28 09:26:23 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 28 09:26:17 2021
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_09.D
 Acq On : 27 Jun 2021 10:32 pm
 Operator : Keith
 Client ID : ICAL 2.5
 Lab ID : 2.5 ppb; AIR34B
 ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 28 09:13:48 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Jun 25 09:10:17 2021
 Response via : Initial Calibration

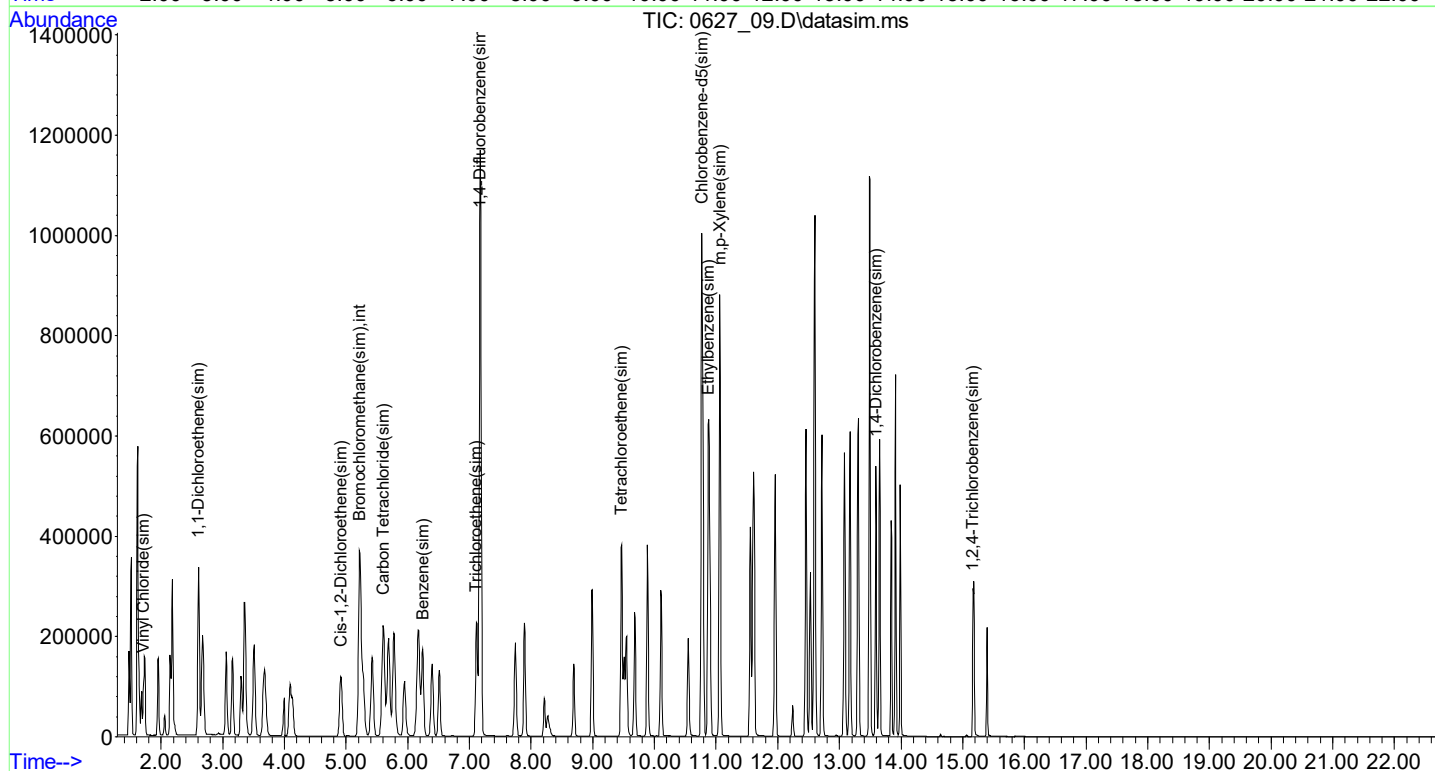
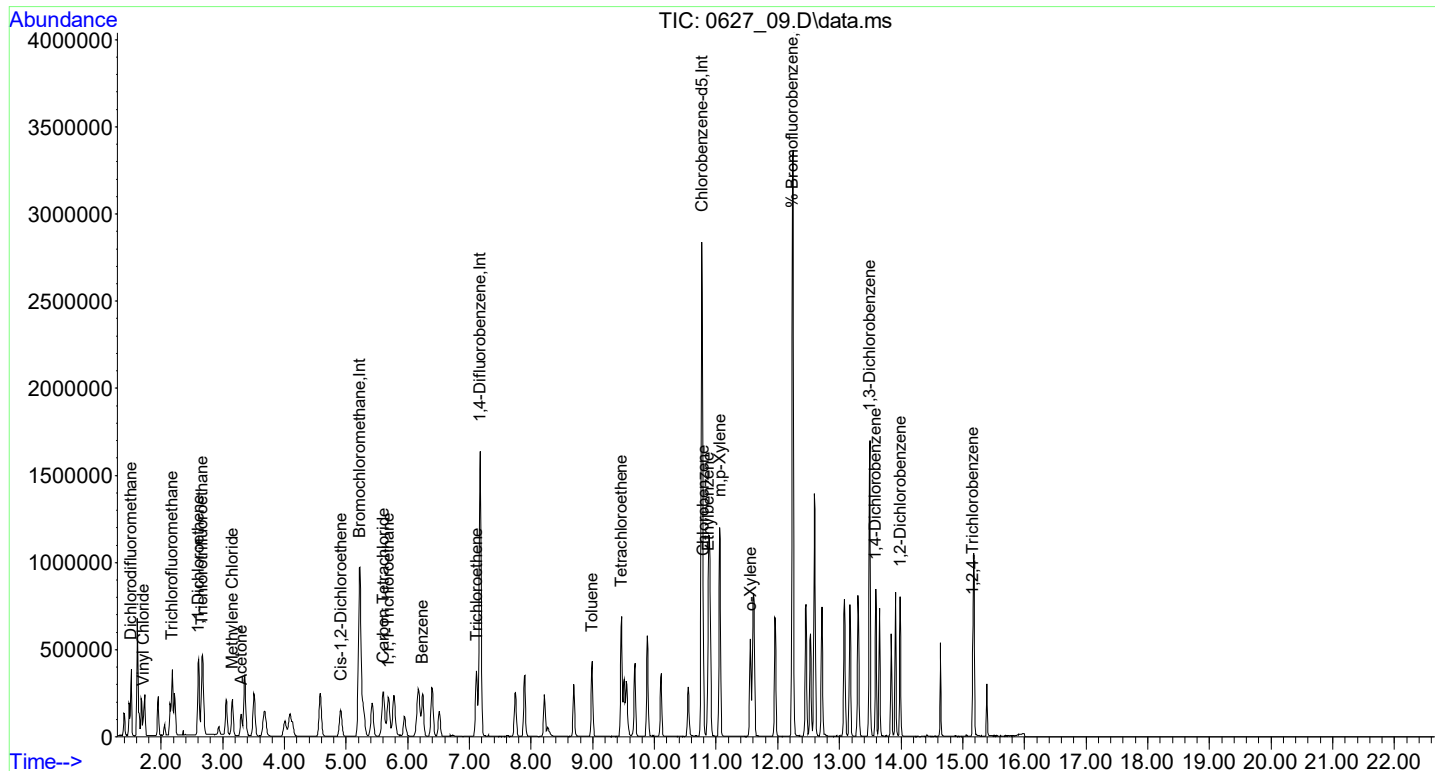
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.223	130	535343	10.000	ng	0.02
36) 1,4-Difluorobenzene	7.171	114	1646979	10.000	ng	0.00
53) Chlorobenzene-d5	10.769	82	695845	10.000	ng	0.01
80) Bromochloromethane(sim)	5.219	130	527784	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.171	114	1646979	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.769	82	695845	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.239	95	1017415	9.827	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.30%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.514	85	263148	2.450	ppbv	98
6) Vinyl Chloride	1.712	62	88848	2.345	ppbv	99
12) Acetone	3.300	43	180134	2.170	ppbv#	90
13) Trichlorofluoromethane	2.178	101	289514	2.436	ppbv	99
16) 1,1-Dichloroethene	2.603	61	160356	2.394	ppbv	97
17) Methylene Chloride	3.157	49	150429	2.445	ppbv	91
21) Trichlorotrifluoroethane	2.671	101	219418	2.361	ppbv	99
26) Cis-1,2-Dichloroethene	4.916	61	143452	2.417	ppbv	99
32) 1,1,1-Trichloroethane	5.692	97	232272	2.378	ppbv	96
33) Benzene	6.240	78	248467	2.351	ppbv	97
34) Carbon Tetrachloride	5.598	117	273250	2.433	ppbv	96
39) Trichloroethene	7.116	130	163779	2.404	ppbv	96
48) Toluene	8.990	91	323276	2.448	ppbv	98
52) Tetrachloroethene	9.466	166	232003	2.501	ppbv	94
55) Chlorobenzene	10.790	112	321137	2.379	ppbv#	61
56) Ethylbenzene	10.872	91	439054	2.433	ppbv	99
57) m,p-Xylene	11.057	91	685552	5.164	ppbv	97
61) o-Xylene	11.558	91	340628	2.446	ppbv	96
71) 1,3-Dichlorobenzene	13.491	146	336978	2.529	ppbv	99
72) 1,4-Dichlorobenzene	13.589	146	325879	2.544	ppbv	95
75) 1,2-Dichlorobenzene	13.984	146	264478	2.547	ppbv	99
77) 1,2,4-Trichlorobenzene	15.165	180	113258	2.634	ppbv	97
82) Vinyl Chloride(sim)	1.715	62	95032	2.331	ppbv	99
86) Benzene(sim)	6.243	78	269517	2.171	ppbv	95
87) Carbon Tetrachloride(sim)	5.598	117	273250	2.362	ppbv	96
88) 1,1-Dichloroethene(sim)	2.606	61	174074	2.331	ppbv	99
92) Cis-1,2-Dichloroethene...	4.914	61	154807	2.464	ppbv	100
98) Trichloroethene(sim)	7.112	130	166795	2.294	ppbv	99
104) Tetrachloroethene(sim)	9.469	166	223586	2.383	ppbv	100
108) Ethylbenzene(sim)	10.875	91	478246	2.477	ppb	98
109) m,p-Xylene(sim)	11.057	91	686282	5.167	ppbv	97
116) 1,4-Dichlorobenzene(sim)	13.592	146	355239	2.598	ppbv	99
121) 1,2,4-Trichlorobenzene...	15.165	180	113258	2.692	ppbv	95

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_09.D
 Acq On : 27 Jun 2021 10:32 pm
 Operator : Keith
 Client ID : ICAL 2.5
 Lab ID : 2.5 ppb; AIR34B
 ALS Vial : 53 Sample Multiplier: 1

Quant Time: Jun 28 09:13:48 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri Jun 25 09:10:17 2021
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_10.D
 Acq On : 27 Jun 2021 11:05 pm
 Operator : Keith
 Client ID : ICAL 5
 Lab ID : 5.0 ppb ; AIR34C
 ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 28 09:14:56 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jun 28 09:14:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.225	130	525738	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.173	114	1629261	10.000	ng	0.00
53) Chlorobenzene-d5	10.764	82	680978	10.000	ng	0.00
80) Bromochloromethane(sim)	5.221	130	520595	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.173	114	1629261	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.764	82	680978	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 12.241 95 995574 9.999 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 100.00%

Target Compounds

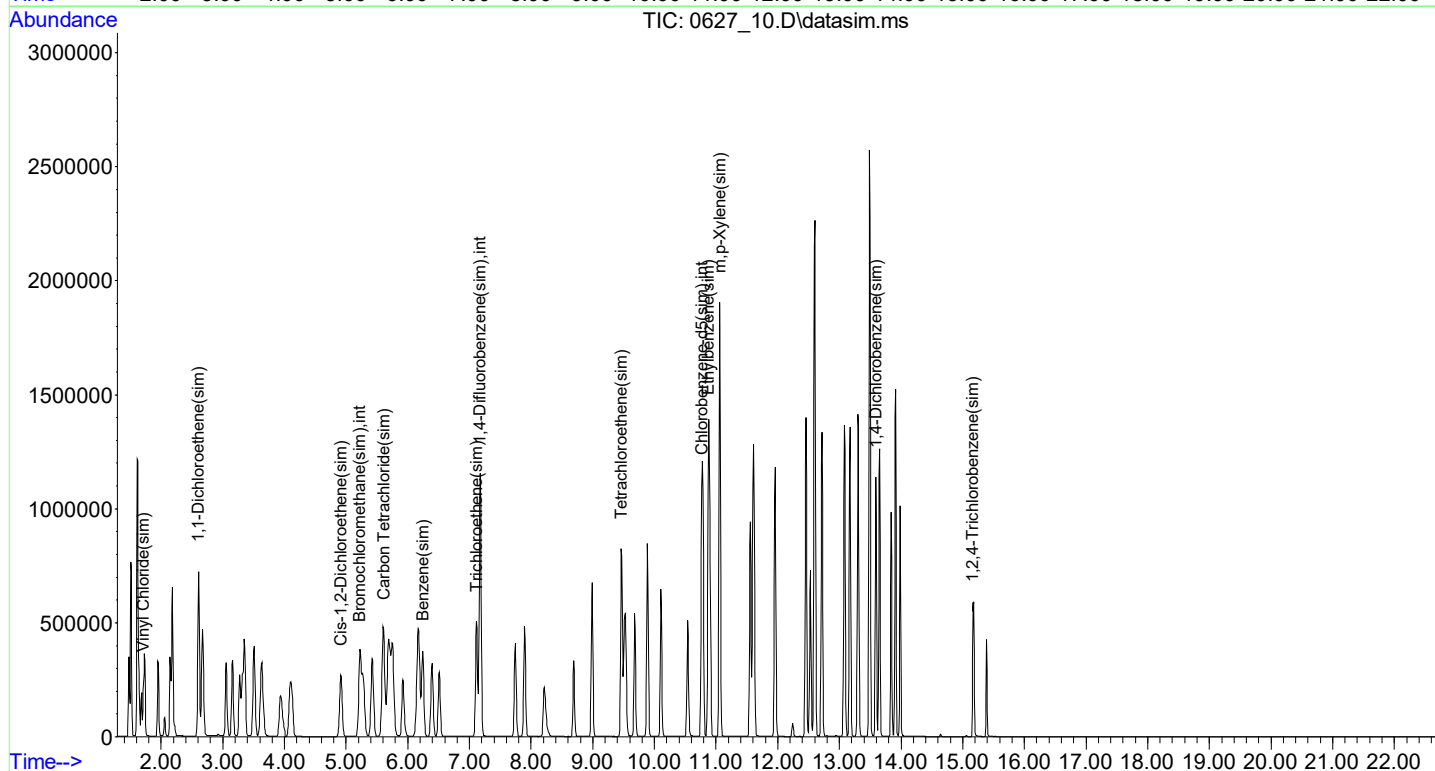
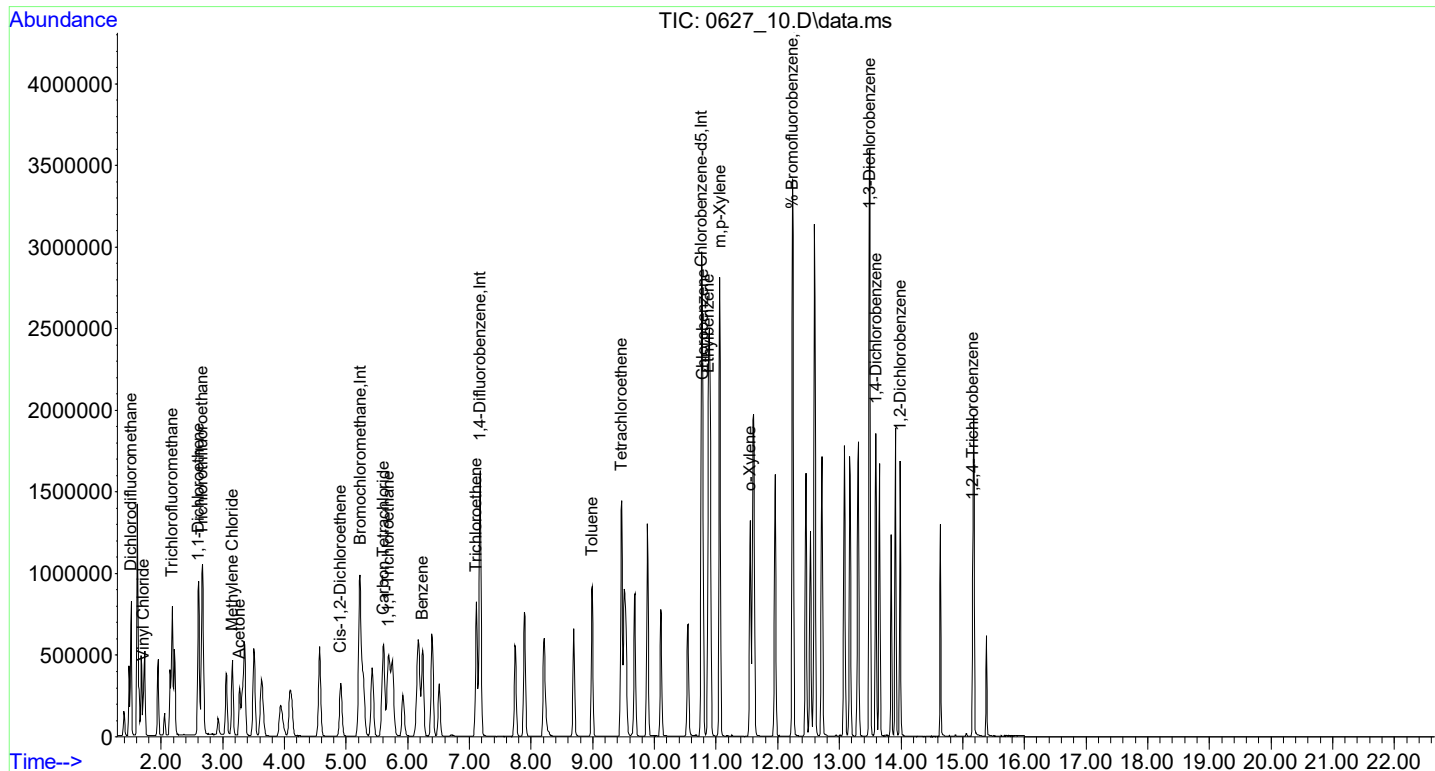
Compound	R.T.	QIon	Response	Conc	Units	Qvalue
3) Dichlorodifluoromethane	1.514	85	570112	5.406	ppbv	98
6) Vinyl Chloride	1.712	62	201410	5.413	ppbv	98
12) Acetone	3.273	43	478875	5.875	ppbv	99
13) Trichlorofluoromethane	2.178	101	618178	5.297	ppbv	98
16) 1,1-Dichloroethene	2.603	61	346310	5.265	ppbv	99
17) Methylene Chloride	3.157	49	321449	5.320	ppbv	90
21) Trichlorotrifluoroethane	2.671	101	481092	5.271	ppbv	99
26) Cis-1,2-Dichloroethene	4.913	61	316194	5.426	ppbv	96
32) 1,1,1-Trichloroethane	5.686	97	507811	5.294	ppbv	96
33) Benzene	6.242	78	540773	5.210	ppbv	98
34) Carbon Tetrachloride	5.607	117	593008	5.377	ppbv	97
39) Trichloroethene	7.111	130	356224	5.286	ppbv	95
48) Toluene	8.992	91	709594	5.432	ppbv	100
52) Tetrachloroethene	9.468	166	488821	5.327	ppbv	96
55) Chlorobenzene	10.784	112	702959	5.321	ppbv#	59
56) Ethylbenzene	10.874	91	960149	5.436	ppbv	98
57) m,p-Xylene	11.059	91	1515780	11.668	ppbv	98
61) o-Xylene	11.553	91	792601	5.815	ppbv	95
71) 1,3-Dichlorobenzene	13.493	146	734893	5.636	ppbv	99
72) 1,4-Dichlorobenzene	13.590	146	706390	5.636	ppbv	96
75) 1,2-Dichlorobenzene	13.986	146	568529	5.594	ppbv	98
77) 1,2,4-Trichlorobenzene	15.165	180	214865	5.106	ppbv	97
82) Vinyl Chloride(sim)	1.715	62	211433	5.258	ppbv	99
86) Benzene(sim)	6.244	78	589024	4.809	ppbv	95
87) Carbon Tetrachloride(sim)	5.607	117	593008	5.197	ppbv	97
88) 1,1-Dichloroethene(sim)	2.606	61	375961	5.104	ppbv	99
92) Cis-1,2-Dichloroethene...	4.916	61	342536	5.528	ppbv	100
98) Trichloroethene(sim)	7.114	130	364564	5.069	ppbv	99
104) Tetrachloroethene(sim)	9.464	166	481419	5.187	ppbv	100
108) Ethylbenzene(sim)	10.877	91	1050179	5.557	ppb	99
109) m,p-Xylene(sim)	11.059	91	1515780	11.661	ppbv	97
116) 1,4-Dichlorobenzene(sim)	13.593	146	766009	5.724	ppbv	99
121) 1,2,4-Trichlorobenzene...	15.165	180	214865	5.219	ppbv	94

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_10.D
 Acq On : 27 Jun 2021 11:05 pm
 Operator : Keith
 Client ID : ICAL 5
 Lab ID : 5.0 ppb ; AIR34C
 ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jun 28 09:14:56 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 28 09:14:51 2021
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_11.D
 Acq On : 27 Jun 2021 11:40 pm
 Operator : Keith
 Client ID : ICAL 25
 Lab ID : 25 ppb ; AIR34C
 ALS Vial : 55 Sample Multiplier: 1

Quant Time: Jun 28 09:17:01 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jun 28 09:16:53 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.245	130	567250	10.000	ng	0.02
36) 1,4-Difluorobenzene	7.185	114	1723584	10.000	ng	0.01
53) Chlorobenzene-d5	10.769	82	736627	10.000	ng	0.00
80) Bromochloromethane(sim)	5.248	130	560254	10.000	ng	# 0.03
95) 1,4-Difluorobenzene(sim)	7.185	114	1723584	10.000	ng	0.01
105) Chlorobenzene-d5(sim)	10.769	82	736627	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 12.246 95 1097396 10.189 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 101.90%

Target Compounds

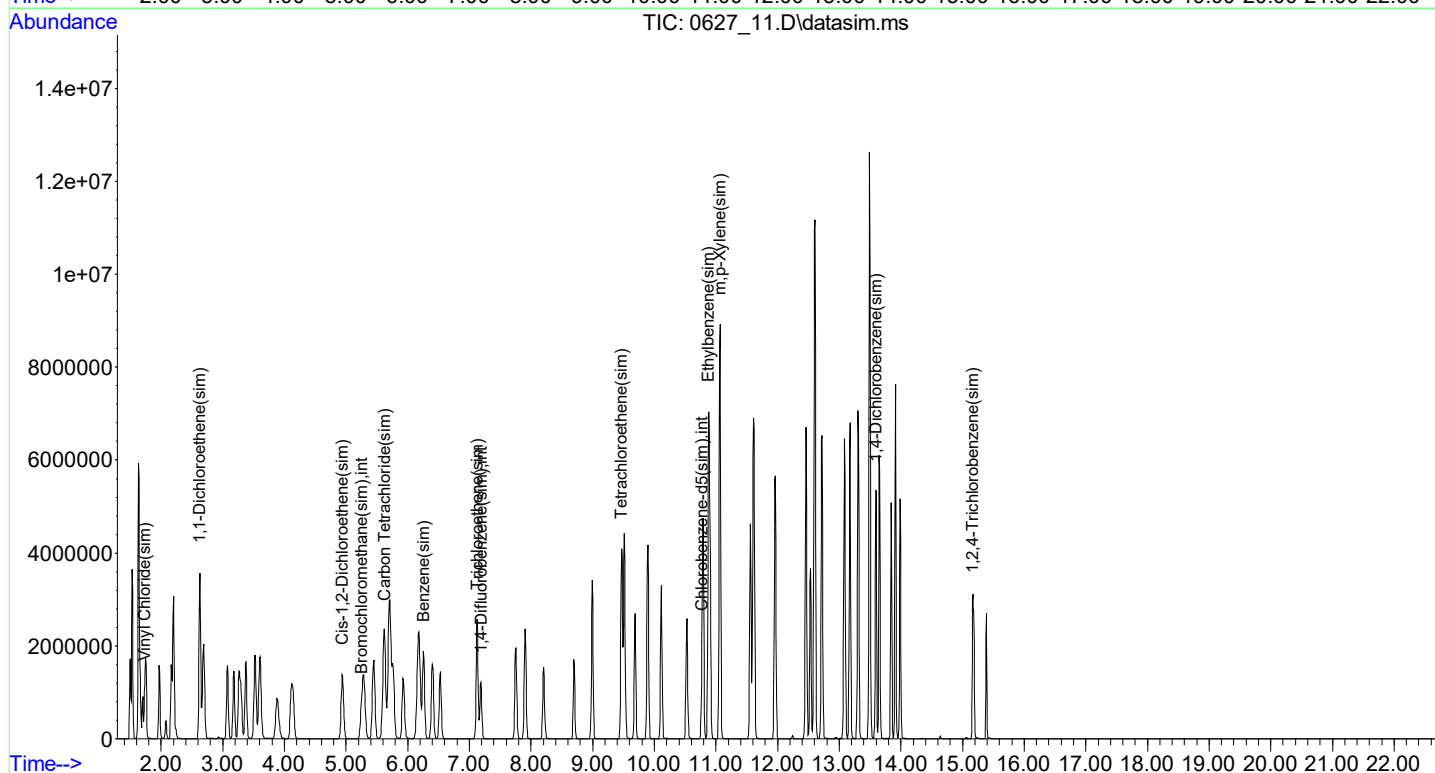
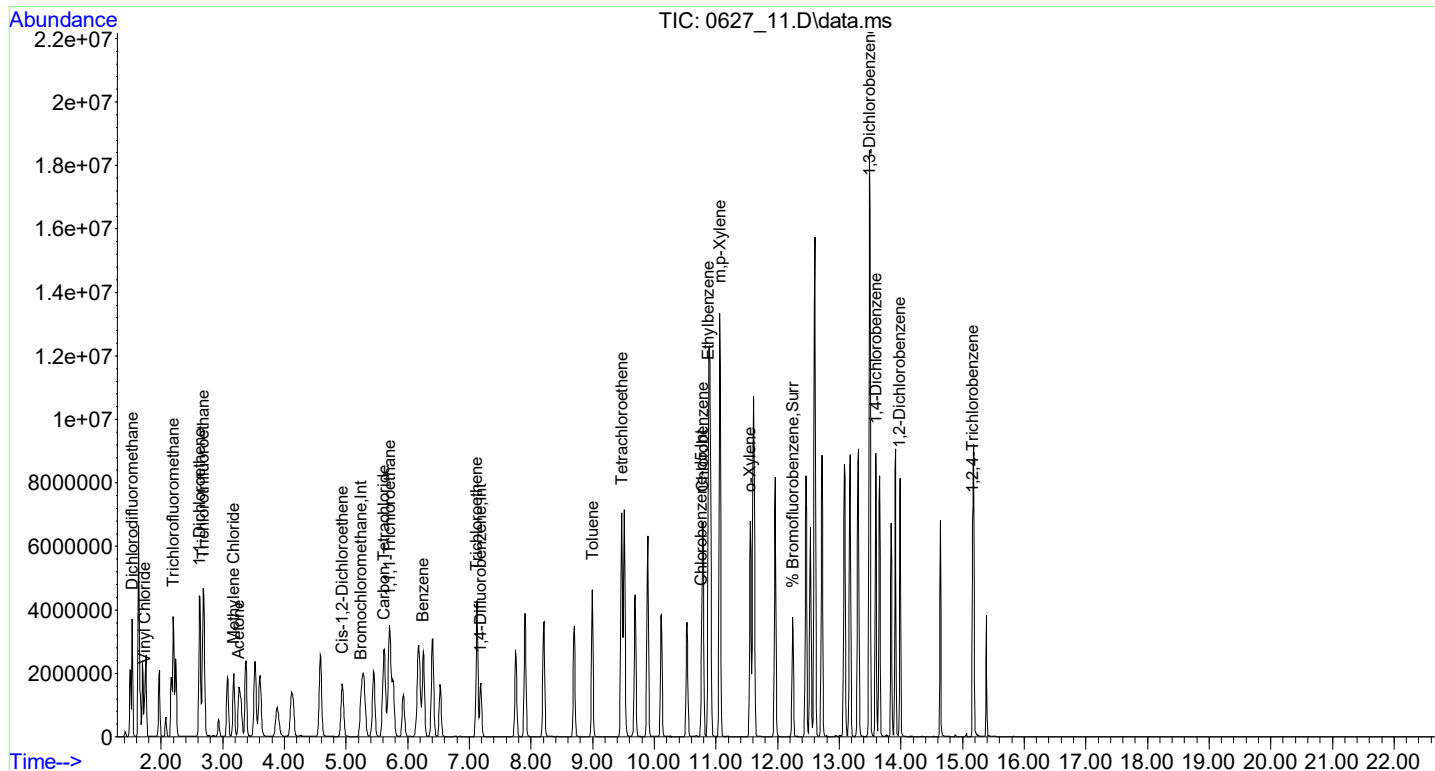
Compound	R.T.	QIon	Response	Conc	Units	Qvalue
3) Dichlorodifluoromethane	1.534	85	2708448	23.802	ppbv	97
6) Vinyl Chloride	1.733	62	993227	24.740	ppbv	100
12) Acetone	3.259	43	2093902	23.810	ppbv	98
13) Trichlorofluoromethane	2.199	101	2913400	23.139	ppbv	99
16) 1,1-Dichloroethene	2.623	61	1694062	23.872	ppbv	98
17) Methylene Chloride	3.177	49	1371026	21.030	ppbv#	86
21) Trichlorotrifluoroethane	2.685	101	2274642	23.099	ppbv	98
26) Cis-1,2-Dichloroethene	4.936	61	1675267	26.644	ppbv	96
32) 1,1,1-Trichloroethane	5.706	97	2514711	24.298	ppbv	96
33) Benzene	6.254	78	2732133	24.397	ppbv	97
34) Carbon Tetrachloride	5.620	117	2920626	24.542	ppbv	96
39) Trichloroethene	7.123	130	1816816	25.482	ppbv	97
48) Toluene	8.997	91	3570917	25.841	ppbv	98
52) Tetrachloroethene	9.474	166	2454286	25.281	ppbv	95
55) Chlorobenzene	10.790	112	3486446	24.398	ppbv#	59
56) Ethylbenzene	10.879	91	4959797	25.959	ppbv	99
57) m,p-Xylene	11.064	91	7541427	53.665	ppbv	98
61) o-Xylene	11.558	91	3962077	26.872	ppbv	97
71) 1,3-Dichlorobenzene	13.498	146	3611629	25.606	ppbv	98
72) 1,4-Dichlorobenzene	13.595	146	3561424	26.267	ppbv	97
75) 1,2-Dichlorobenzene	13.985	146	2844129	25.870	ppbv	99
77) 1,2,4-Trichlorobenzene	15.165	180	1215040	26.695	ppbv	96
82) Vinyl Chloride(sim)	1.729	62	1060680	24.510	ppbv	99
86) Benzene(sim)	6.256	78	2950143	22.383	ppbv	95
87) Carbon Tetrachloride(sim)	5.620	117	2921946	23.793	ppbv	96
88) 1,1-Dichloroethene(sim)	2.626	61	1828636	23.066	ppbv	99
92) Cis-1,2-Dichloroethene...	4.939	61	1803778	27.049	ppbv	100
98) Trichloroethene(sim)	7.126	130	1856652	24.402	ppbv	99
104) Tetrachloroethene(sim)	9.469	166	2401119	24.456	ppbv	100
108) Ethylbenzene(sim)	10.882	91	5304736	25.949	ppb	99
109) m,p-Xylene(sim)	11.064	91	7545090	53.659	ppbv	97
116) 1,4-Dichlorobenzene(sim)	13.598	146	3851580	26.606	ppbv	99
121) 1,2,4-Trichlorobenzene...	15.165	180	1217777	27.345	ppbv	93

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_11.D
 Acq On : 27 Jun 2021 11:40 pm
 Operator : Keith
 Client ID : ICAL 25
 Lab ID : 25 ppb ; AIR34C
 ALS Vial : 55 Sample Multiplier: 1

Quant Time: Jun 28 09:17:01 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 28 09:16:53 2021
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_12.D
 Acq On : 28 Jun 2021 1:05 am
 Operator : Keith
 Client ID : ICAL 40
 Lab ID : 40 ppb ; AIR34C
 ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 28 09:17:38 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jun 28 09:17:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.223	130	569345	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.178	114	1809463	10.000	ng	0.00
53) Chlorobenzene-d5	10.769	82	770358	10.000	ng	0.00
80) Bromochloromethane(sim)	5.226	130	562574	10.000	ng	#-0.02
95) 1,4-Difluorobenzene(sim)	7.178	114	1809315	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.769	82	770358	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 12.245 95 1131186 9.980 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 99.80%

Target Compounds

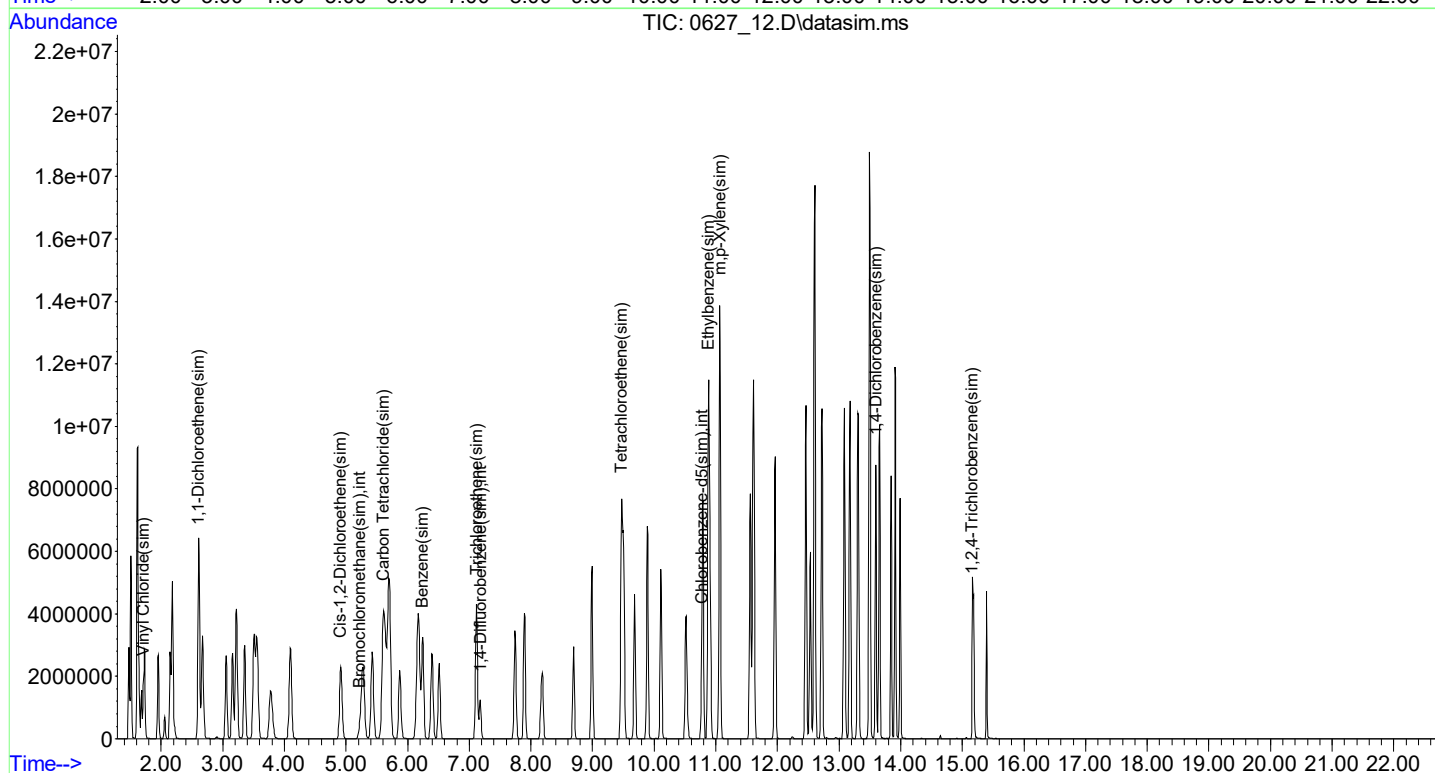
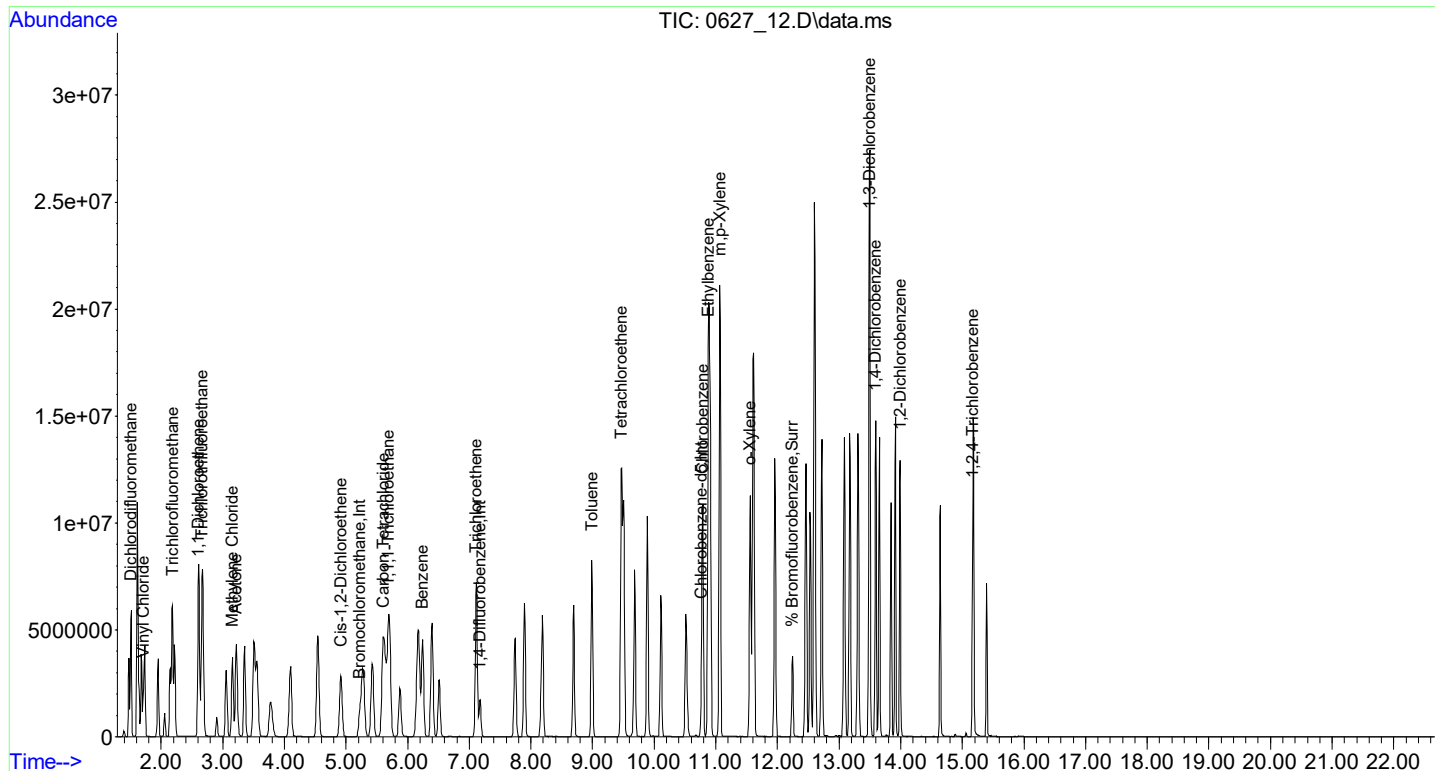
						Qvalue
3) Dichlorodifluoromethane	1.514	85	4237859	37.105	ppbv	97
6) Vinyl Chloride	1.712	62	1671521	41.482	ppbv	99
12) Acetone	3.218	43	3775788	42.778	ppbv	100
13) Trichlorofluoromethane	2.185	101	4910455	38.856	ppbv	99
16) 1,1-Dichloroethene	2.603	61	2903848	40.769	ppbv	99
17) Methylene Chloride	3.157	49	2660733	40.663	ppbv	88
21) Trichlorotrifluoroethane	2.671	101	3925593	39.719	ppbv	99
26) Cis-1,2-Dichloroethene	4.916	61	2794910	44.287	ppbv	95
32) 1,1,1-Trichloroethane	5.692	97	4176627	40.208	ppbv#	89
33) Benzene	6.240	78	4747066	42.234	ppbv	98
34) Carbon Tetrachloride	5.605	117	4750202	39.769	ppbv	96
39) Trichloroethene	7.116	130	3065952	40.961	ppbv	97
48) Toluene	8.990	91	6167793	42.515	ppbv	98
52) Tetrachloroethene	9.466	166	4052290	39.761	ppbv	96
55) Chlorobenzene	10.790	112	5868245	39.267	ppbv#	60
56) Ethylbenzene	10.879	91	8331951	41.698	ppbv	100
57) m,p-Xylene	11.064	91	12145225	82.641	ppbv	99
61) o-Xylene	11.558	91	7010210	45.464	ppbv	96
71) 1,3-Dichlorobenzene	13.498	146	5599564	37.961	ppbv	96
72) 1,4-Dichlorobenzene	13.595	146	5714372	40.301	ppbv	97
75) 1,2-Dichlorobenzene	13.991	146	4482694	38.989	ppbv	98
77) 1,2,4-Trichlorobenzene	15.165	180	2118935	44.515	ppbv	95
82) Vinyl Chloride(sim)	1.709	62	1785309	41.085	ppbv	99
86) Benzene(sim)	6.243	78	5105021	38.572	ppbv	94
87) Carbon Tetrachloride(sim)	5.605	117	4750202	38.521	ppbv	96
88) 1,1-Dichloroethene(sim)	2.606	61	3134532	39.375	ppbv	100
92) Cis-1,2-Dichloroethene...	4.914	61	3003570	44.855	ppbv	99
98) Trichloroethene(sim)	7.119	130	3115297	39.004	ppbv	99
104) Tetrachloroethene(sim)	9.469	166	3991399	38.728	ppbv	100
108) Ethylbenzene(sim)	10.882	91	8807600	41.198	ppb	99
109) m,p-Xylene(sim)	11.064	91	12148132	82.612	ppbv	99
116) 1,4-Dichlorobenzene(sim)	13.598	146	6151935	40.635	ppbv	98
121) 1,2,4-Trichlorobenzene...	15.165	180	2119663	45.513	ppbv	93

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_12.D
 Acq On : 28 Jun 2021 1:05 am
 Operator : Keith
 Client ID : ICAL 40
 Lab ID : 40 ppb ; AIR34C
 ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 28 09:17:38 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 28 09:17:24 2021
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_14.D
 Acq On : 28 Jun 2021 2:10 am
 Operator : Keith
 Client ID : ICAL 1
 Lab ID : 1ppb : AIR 34B
 ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 28 09:35:30 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jun 28 09:31:50 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.216	130	546704	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.171	114	1712159	10.000	ng	0.00
53) Chlorobenzene-d5	10.769	82	722330	10.000	ng	0.00
80) Bromochloromethane(sim)	5.219	130	537729	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.171	114	1712159	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.769	82	722330	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 12.239 95 1032533 9.806 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 98.10%

Target Compounds

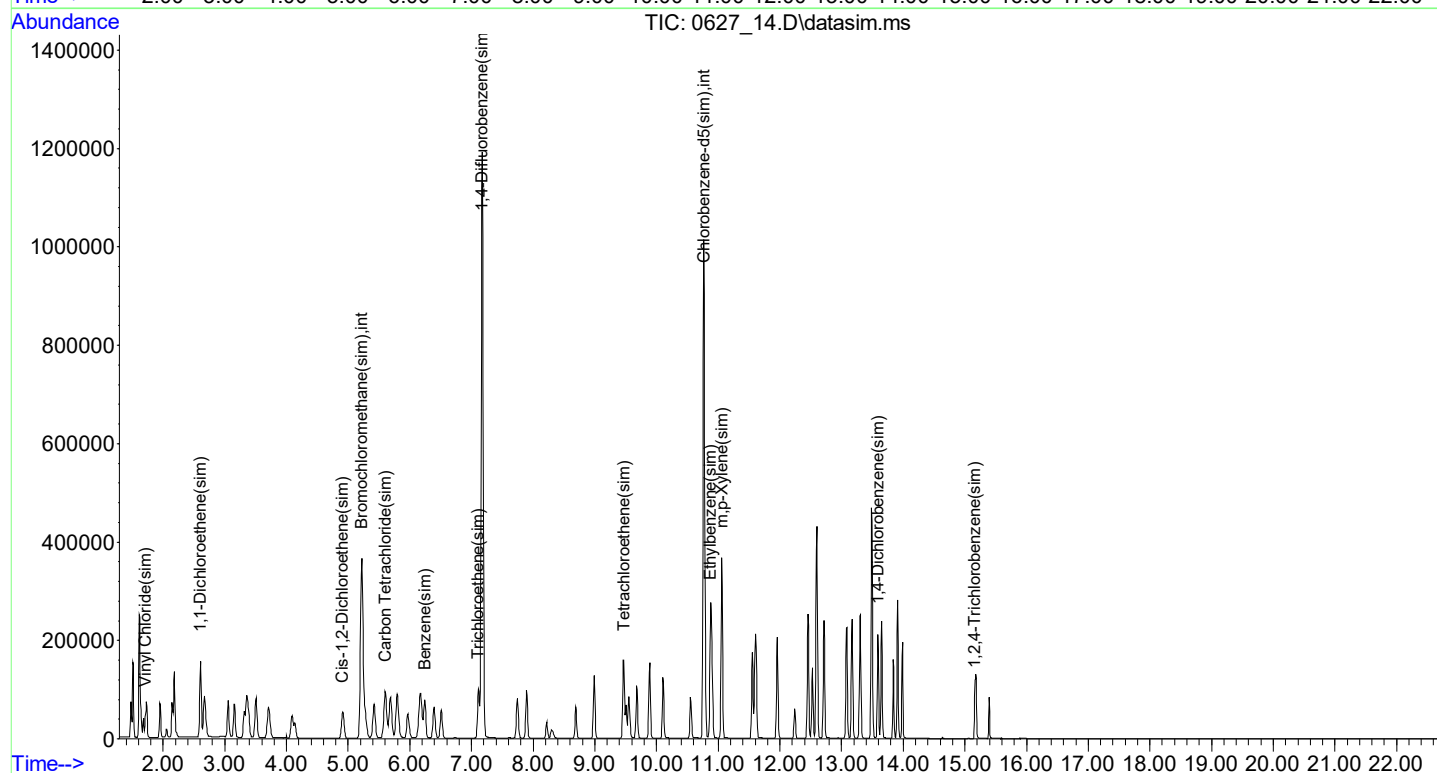
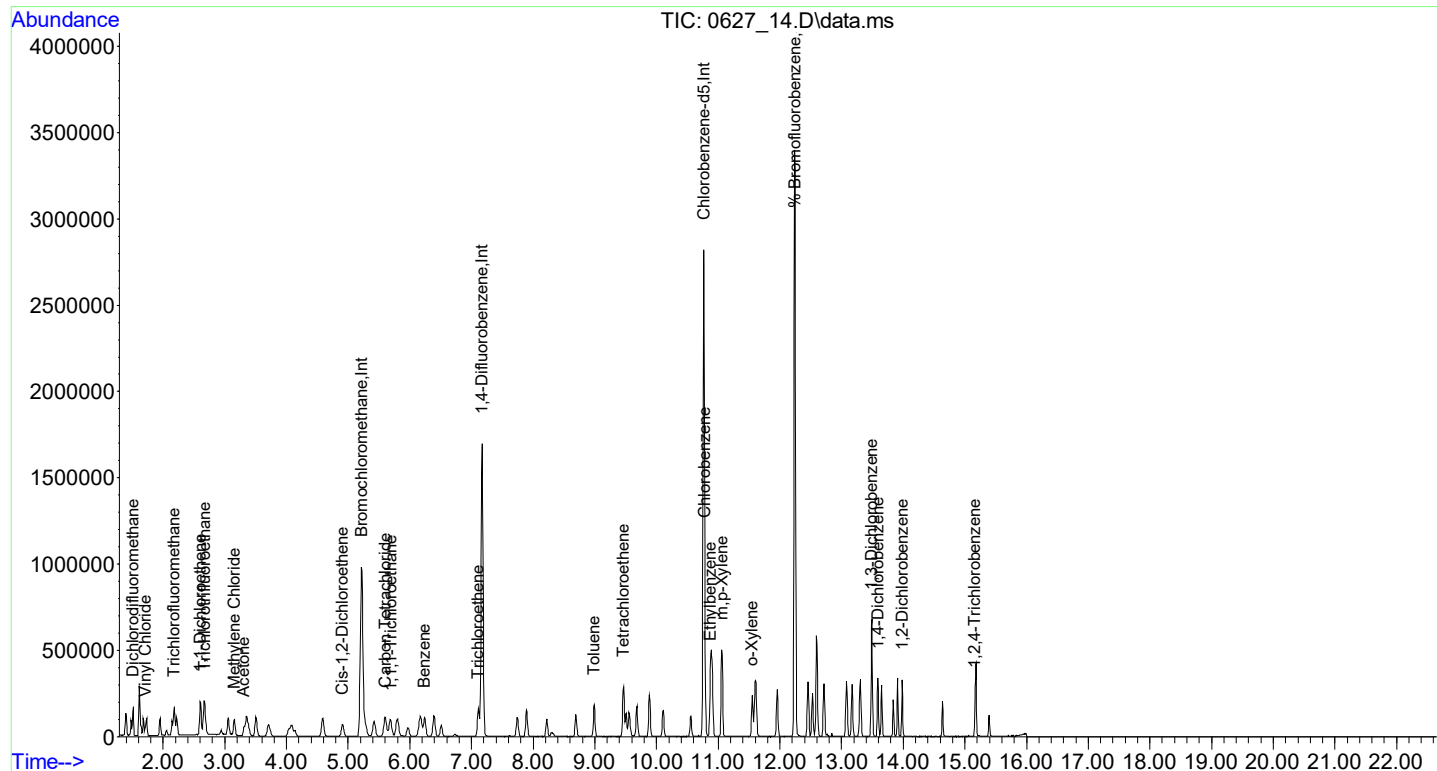
						Qvalue
3) Dichlorodifluoromethane	1.514	85	115241	1.051	ppbv	99
6) Vinyl Chloride	1.712	62	41329	1.068	ppbv	99
12) Acetone	3.314	43	78537	0.927	ppbv	99
13) Trichlorofluoromethane	2.178	101	123269	1.016	ppbv	99
16) 1,1-Dichloroethene	2.603	61	71343	1.043	ppbv	97
17) Methylene Chloride	3.157	49	64310	1.024	ppbv	95
21) Trichlorotrifluoroethane	2.671	101	97213	1.024	ppbv	96
26) Cis-1,2-Dichloroethene	4.906	61	59131	0.976	ppbv	98
32) 1,1,1-Trichloroethane	5.692	97	102608	1.029	ppbv	97
33) Benzene	6.240	78	112870	1.046	ppbv	96
34) Carbon Tetrachloride	5.598	117	115185	1.004	ppbv	99
39) Trichloroethene	7.110	130	69917	0.987	ppbv	99
48) Toluene	8.990	91	139062	1.013	ppbv	97
52) Tetrachloroethene	9.467	166	95837	0.994	ppbv	98
55) Chlorobenzene	10.783	112	141405	1.009	ppbv	91
56) Ethylbenzene	10.872	91	186111	0.993	ppbv	100
57) m,p-Xylene	11.057	91	289009	2.097	ppbv	100
61) o-Xylene	11.551	91	142038	0.982	ppbv	97
71) 1,3-Dichlorobenzene	13.491	146	141235	1.021	ppbv	98
72) 1,4-Dichlorobenzene	13.589	146	131398	0.988	ppbv	99
75) 1,2-Dichlorobenzene	13.985	146	109741	1.018	ppbv	96
77) 1,2,4-Trichlorobenzene	15.161	180	45121	1.011	ppbv	96
82) Vinyl Chloride(sim)	1.709	62	43906	1.057	ppbv	100
86) Benzene(sim)	6.243	78	122893	0.971	ppbv	97
87) Carbon Tetrachloride(sim)	5.598	117	115185	0.977	ppbv	99
88) 1,1-Dichloroethene(sim)	2.606	61	76763	1.009	ppbv	100
92) Cis-1,2-Dichloroethene...	4.909	61	66385	1.037	ppbv	94
98) Trichloroethene(sim)	7.112	130	71678	0.948	ppbv	99
104) Tetrachloroethene(sim)	9.469	166	94664	0.971	ppbv	100
108) Ethylbenzene(sim)	10.875	91	204760	1.021	ppb	99
109) m,p-Xylene(sim)	11.057	91	289009	2.096	ppbv	100
116) 1,4-Dichlorobenzene(sim)	13.592	146	143299	1.009	ppbv	100
121) 1,2,4-Trichlorobenzene...	15.161	180	45121	1.033	ppbv	96

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_14.D
 Acq On : 28 Jun 2021 2:10 am
 Operator : Keith
 Client ID : ICAL 1
 Lab ID : 1ppb : AIR 34B
 ALS Vial : 58 Sample Multiplier: 1

Quant Time: Jun 28 09:35:30 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 28 09:31:50 2021
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_15.D
 Acq On : 28 Jun 2021 2:43 am
 Operator : Keith
 Client ID : ICAL 10
 Lab ID : 10ppb ; AIR34C
 ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 28 09:36:08 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jun 28 09:31:50 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.223	130	559038	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.171	114	1766169	10.000	ng	0.00
53) Chlorobenzene-d5	10.769	82	741559	10.000	ng	0.00
80) Bromochloromethane(sim)	5.226	130	549138	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.171	114	1766169	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.769	82	741559	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 12.239 95 1091750 10.100 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 101.00%

Target Compounds

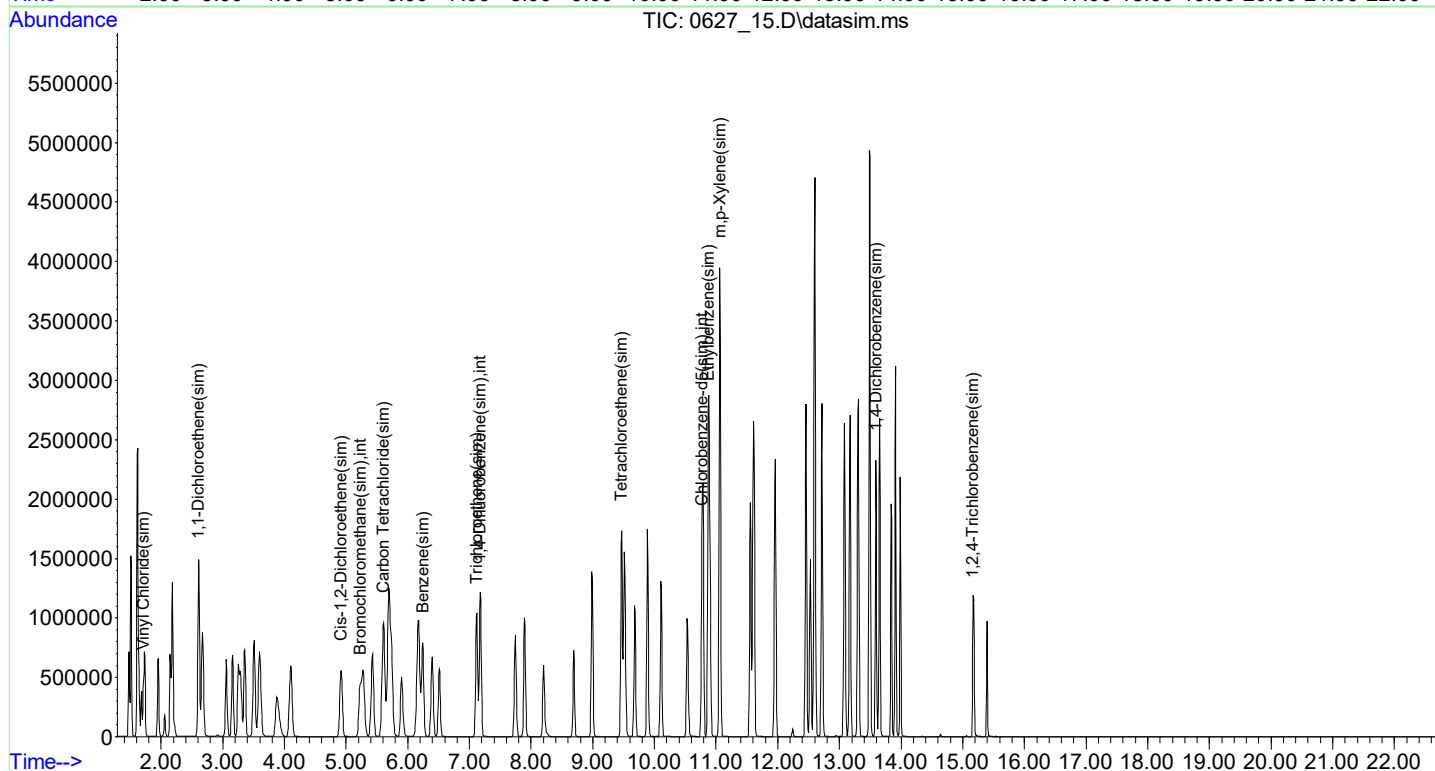
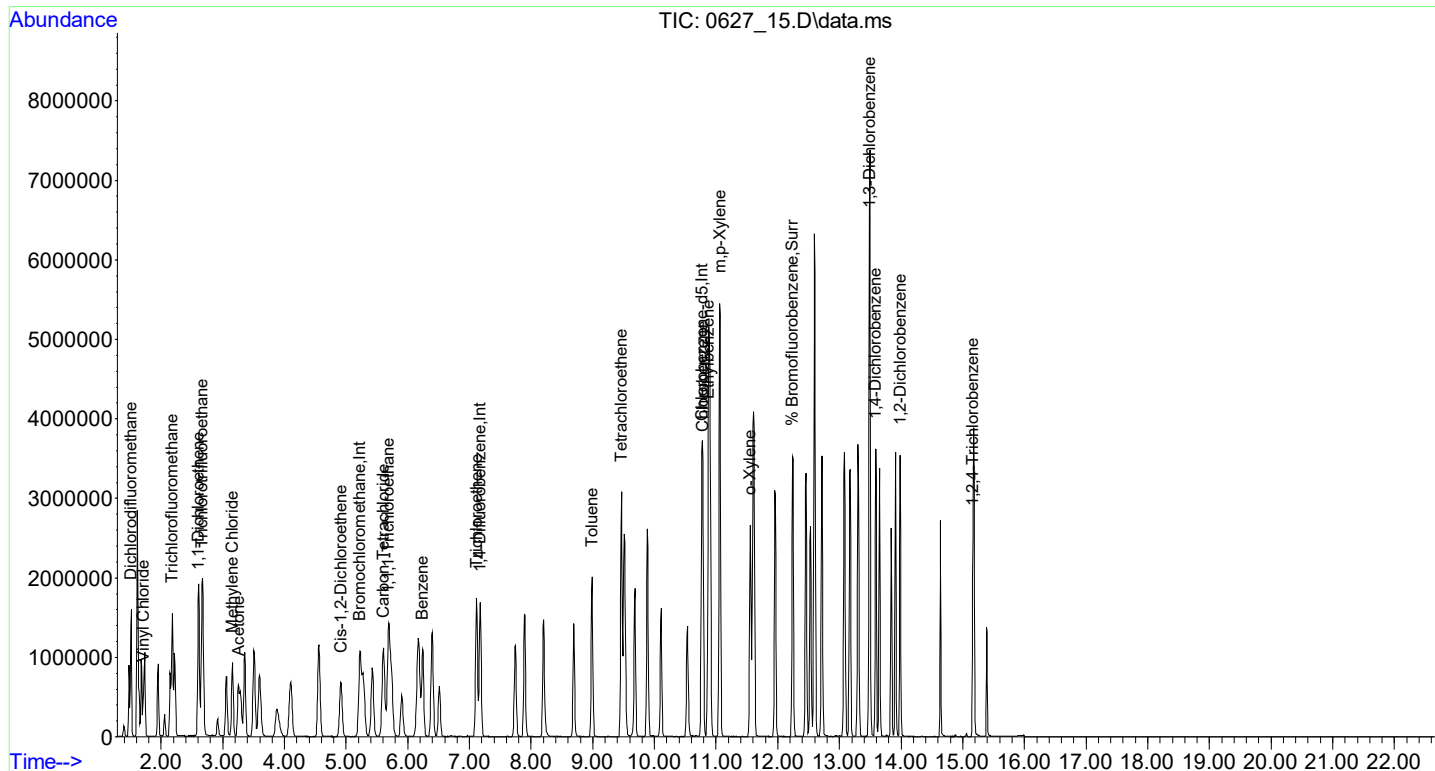
						Qvalue
3) Dichlorodifluoromethane	1.514	85	1117414	9.964	ppbv	99
6) Vinyl Chloride	1.712	62	405171	10.240	ppbv	100
12) Acetone	3.253	43	941510	10.863	ppbv	91
13) Trichlorofluoromethane	2.178	101	1226819	9.887	ppbv	99
16) 1,1-Dichloroethene	2.603	61	704577	10.074	ppbv	97
17) Methylene Chloride	3.157	49	649975	10.116	ppbv	96
21) Trichlorotrifluoroethane	2.671	101	954444	9.835	ppbv	97
26) Cis-1,2-Dichloroethene	4.916	61	672850	10.858	ppbv	99
32) 1,1,1-Trichloroethane	5.692	97	1017638	9.977	ppbv#	90
33) Benzene	6.240	78	1135304	10.287	ppbv	96
34) Carbon Tetrachloride	5.605	117	1169858	9.975	ppbv	99
39) Trichloroethene	7.116	130	748071	10.239	ppbv	98
48) Toluene	8.990	91	1509620	10.661	ppbv	98
52) Tetrachloroethene	9.466	166	1001964	10.072	ppbv	99
55) Chlorobenzene	10.783	112	1422491	9.888	ppbv	85
56) Ethylbenzene	10.872	91	2035805	10.584	ppbv	100
57) m,p-Xylene	11.057	91	3139724	22.194	ppbv	99
61) o-Xylene	11.551	91	1659045	11.177	ppbv	97
71) 1,3-Dichlorobenzene	13.491	146	1466731	10.330	ppbv	98
72) 1,4-Dichlorobenzene	13.589	146	1427317	10.457	ppbv	99
75) 1,2-Dichlorobenzene	13.985	146	1149600	10.387	ppbv	97
77) 1,2,4-Trichlorobenzene	15.165	180	459783	10.034	ppbv	97
82) Vinyl Chloride(sim)	1.715	62	430967	10.160	ppbv	100
86) Benzene(sim)	6.243	78	1226909	9.497	ppbv	97
87) Carbon Tetrachloride(sim)	5.605	117	1169858	9.719	ppbv	99
88) 1,1-Dichloroethene(sim)	2.606	61	759777	9.778	ppbv	100
92) Cis-1,2-Dichloroethene...	4.919	61	721835	11.044	ppbv	97
98) Trichloroethene(sim)	7.119	130	764048	9.800	ppbv	99
104) Tetrachloroethene(sim)	9.469	166	984271	9.783	ppbv	100
108) Ethylbenzene(sim)	10.875	91	2206578	10.722	ppb	100
109) m,p-Xylene(sim)	11.057	91	3141133	22.191	ppbv	99
116) 1,4-Dichlorobenzene(sim)	13.592	146	1555768	10.675	ppbv	99
121) 1,2,4-Trichlorobenzene...	15.165	180	459783	10.256	ppbv	97

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\27\
 Data File : 0627_15.D
 Acq On : 28 Jun 2021 2:43 am
 Operator : Keith
 Client ID : ICAL 10
 Lab ID : 10ppb ; AIR34C
 ALS Vial : 59 Sample Multiplier: 1

Quant Time: Jun 28 09:36:08 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 28 09:31:50 2021
 Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: WALDENE-IPARK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCI65769

Instrument: CHEM24 Calibration Date: 06/30/21 Time: 12:46

Lab File Id: 0630_02.D Init. Calib. Date(s): 06/27/21 06/28/21

Heated Purge (Y/N): Y Init. Calib. Times: 19:10 02:43

GC Column: RTX-VMS Method File: 24AIR_0627.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Dichlorodifluoromethane	2.006	2.009		-0.1	30
Vinyl Chloride	0.708	0.719		-1.6	30
Acetone	1.550	1.392		10.2	30
Trichlorofluoromethane	2.220	2.175		2.0	30
1,1-Dichloroethene	1.251	1.227		1.9	30
Methylene Chloride	1.149	1.162		-1.1	30
Trichlorotrifluoroethane	1.736	1.711		1.4	30
Cis-1,2-Dichloroethene	1.108	1.080		2.5	30
1,1,1-Trichloroethane	1.824	1.806		1.0	30
Benzene	1.974	1.981		-0.4	30
Carbon Tetrachloride	2.098	2.023		3.6	30
Trichloroethene	0.414	0.421		-1.7	30
Toluene	0.802	0.818		-2.0	30
Tetrachloroethene	0.563	0.564		-0.2	30
Chlorobenzene	1.940	1.911		1.5	30
Ethylbenzene	2.594	2.621		-1.0	30
m,p-Xylene	1.908	1.601		16.1	30
o-Xylene	2.002	2.016		-0.7	30
1,3-Dichlorobenzene	1.915	1.882		1.7	30
1,4-Dichlorobenzene	1.841	1.813		1.5	30
1,2-Dichlorobenzene	1.492	1.411		5.4	30
1,2,4-Trichlorobenzene	0.618	0.581		6.0	30
Vinyl Chloride(sim)	0.772	0.797		-3.2	30
Benzene(sim)	2.353	2.227		5.4	30
Carbon Tetrachloride(sim)	2.192	2.086		4.8	30
1,1-Dichloroethene(sim)	1.415	1.399		1.1	30
Cis-1,2-Dichloroethene(sim)	1.190	1.303		-9.5	30
Trichloroethene(sim)	0.441	0.419		5.0	30
Tetrachloroethene(sim)	0.570	0.546		4.2	30
Ethylbenzene(sim)	2.775	2.827		-1.9	30
m,p-Xylene(sim)	1.909	2.001		-4.8	30
1,4-Dichlorobenzene(sim)	1.965	1.950		0.8	30
1,2,4-Trichlorobenzene(sim)	0.605	0.584		3.5	30
% Bromofluorobenzene	1.458	1.454		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.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_02.D
 Acq On : 30 Jun 2021 12:46 pm
 Operator : Keith
 Client ID : CCAL 1 - BFB TUNE
 Lab ID : 1ppb cCal ; air34b - 1ppb cCal ; air34b
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 01:48:54 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jun 28 09:26:57 2021
 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	90
3	Dichlorodifluoromethane	2.006	2.009	-0.1	
6	Vinyl Chloride	0.708	0.719	-1.6	
12	Acetone	1.550	1.392	10.2	
13	Trichlorofluoromethane	2.220	2.175	2.0	
16	1,1-Dichloroethene	1.251	1.227	1.9	
17	Methylene Chloride	1.149	1.162	-1.1	
21	Trichlorotrifluoroethane	1.736	1.711	1.4	
26	Cis-1,2-Dichloroethene	1.108	1.080	2.5	
32	1,1,1-Trichloroethane	1.824	1.806	1.0	
33	Benzene	1.974	1.981	-0.4	
34	Carbon Tetrachloride	2.098	2.023	3.6	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	90
39	Trichloroethene	0.414	0.421	-1.7	
48	Toluene	0.802	0.818	-2.0	
52	Tetrachloroethene	0.563	0.564	-0.2	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	90
55	Chlorobenzene	1.940	1.911	1.5	
56	Ethylbenzene	2.594	2.621	-1.0	
57	m,p-Xylene	1.908	1.601	16.1	
61	o-Xylene	2.002	2.016	-0.7	
62 Surr	% Bromofluorobenzene	1.458	1.454	0.3	
71	1,3-Dichlorobenzene	1.915	1.882	1.7	
72	1,4-Dichlorobenzene	1.841	1.813	1.5	
75	1,2-Dichlorobenzene	1.492	1.411	5.4	
77	1,2,4-Trichlorobenzene	0.618	0.581	6.0	
80 int	Bromochloromethane(sim)	1.000	1.000	0.0	89
82	Vinyl Chloride(sim)	0.772	0.797	-3.2	
86	Benzene(sim)	2.353	2.227	5.4	
87	Carbon Tetrachloride(sim)	2.192	2.086	4.8	
88	1,1-Dichloroethene(sim)	1.415	1.399	1.1	
92	Cis-1,2-Dichloroethene(sim)	1.190	1.303	-9.5	
95 int	1,4-Difluorobenzene(sim)	1.000	1.000	0.0	90
98	Trichloroethene(sim)	0.441	0.419	5.0	
104	Tetrachloroethene(sim)	0.570	0.546	4.2	
105 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	90
108	Ethylbenzene(sim)	2.775	2.827	-1.9	
109	m,p-Xylene(sim)	1.909	2.001	-4.8	
116	1,4-Dichlorobenzene(sim)	1.965	1.950	0.8	
121	1,2,4-Trichlorobenzene(sim)	0.605	0.584	3.5	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_02.D
 Acq On : 30 Jun 2021 12:46 pm
 Operator : Keith
 Client ID : CCAL 1 - BFB TUNE
 Lab ID : 1ppb cCal ; air34b - 1ppb cCal ; air34b
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 01:48:54 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jun 28 09:26:57 2021
 Response via : Initial Calibration

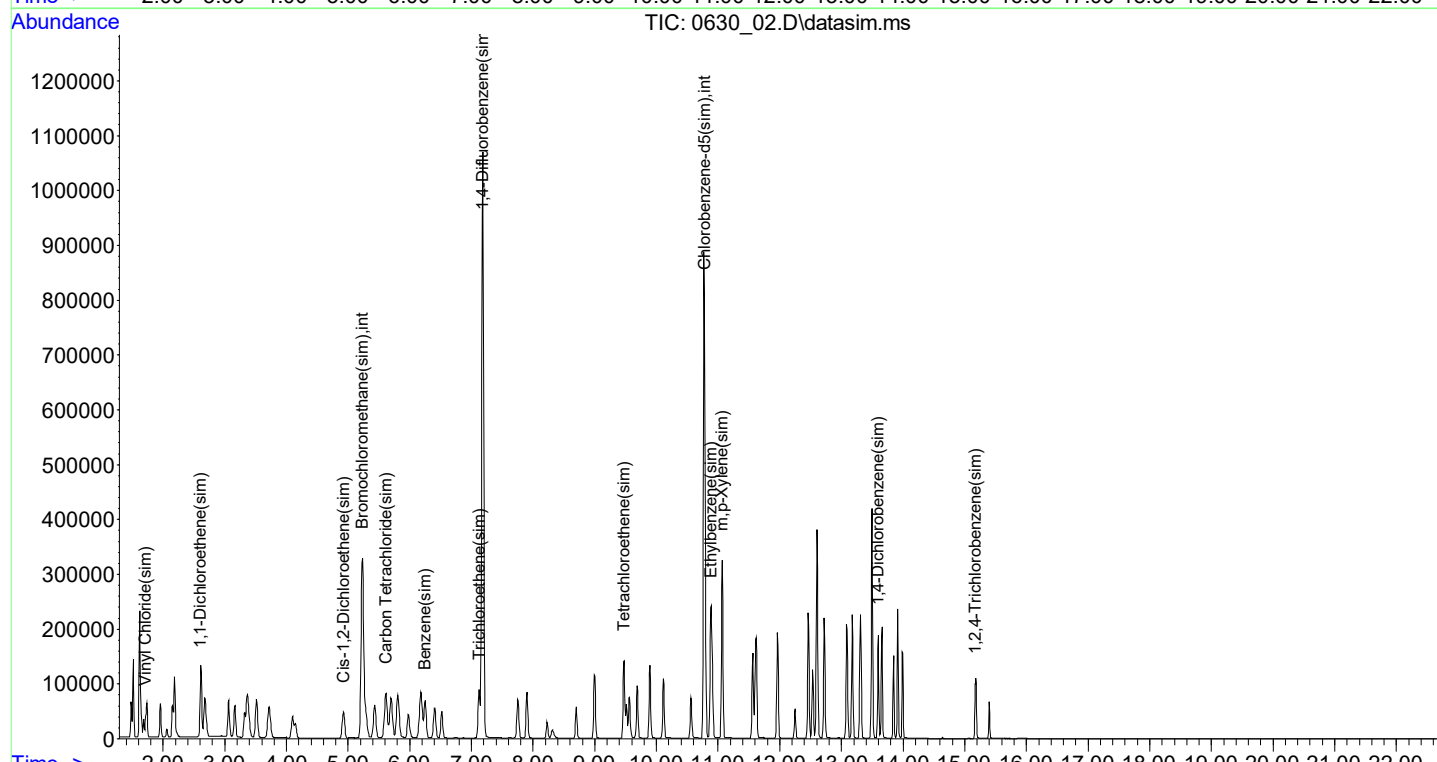
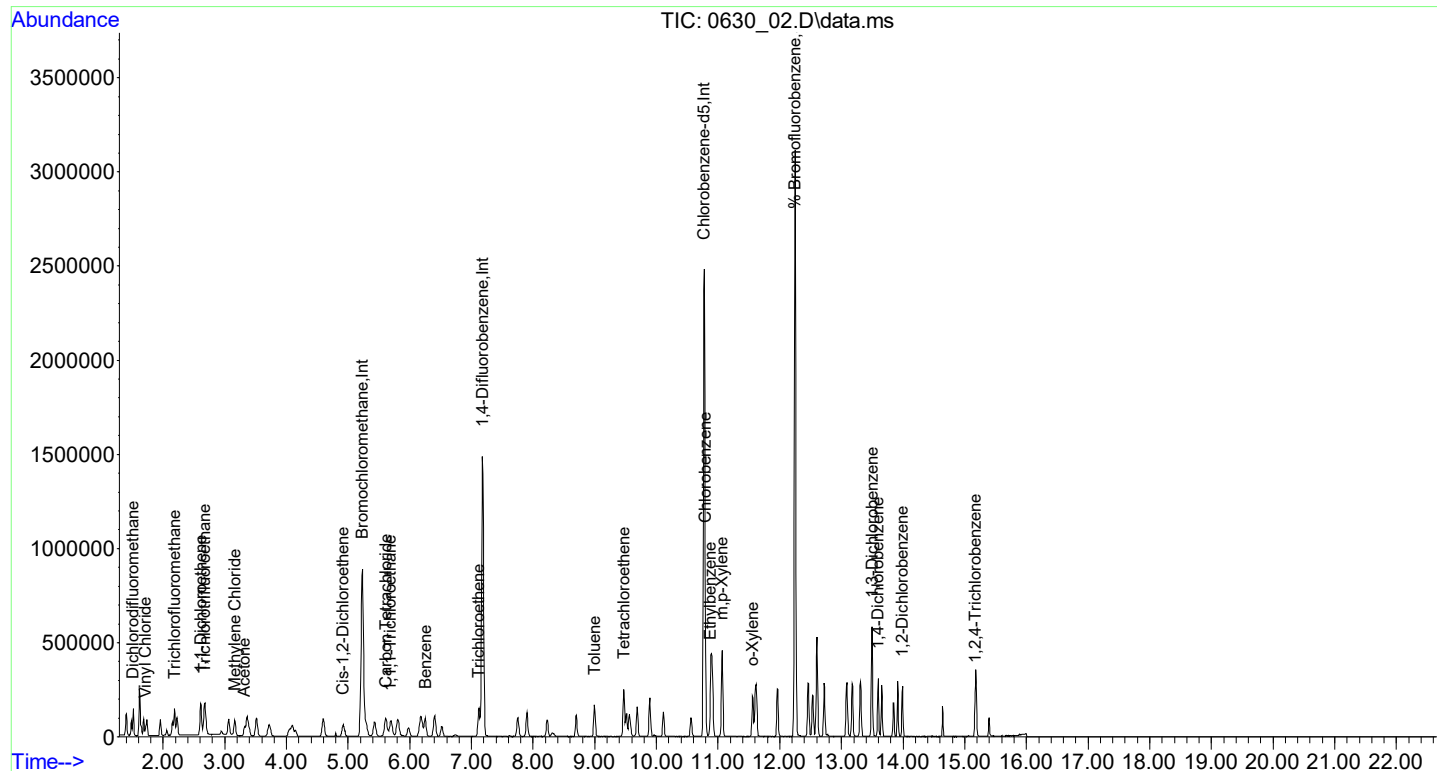
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	130	491031	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.178	114	1543532	10.000	ng	0.00
53) Chlorobenzene-d5	10.776	82	648729	10.000	ng	0.00
80) Bromochloromethane(sim)	5.233	130	476218	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.178	114	1543532	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.776	82	648729	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.245	95	943079	9.973	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.70%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.514	85	98667	1.002	ppbv	98
6) Vinyl Chloride	1.712	62	35293	1.016	ppbv	100
12) Acetone	3.321	43	68328	0.898	ppbv	100
13) Trichlorofluoromethane	2.185	101	106790	0.980	ppbv	99
16) 1,1-Dichloroethene	2.610	61	60245	0.981	ppbv	98
17) Methylene Chloride	3.164	49	57053	1.011	ppbv	94
21) Trichlorotrifluoroethane	2.678	101	83993	0.985	ppbv	97
26) Cis-1,2-Dichloroethene	4.921	61	53019	0.974	ppbv	95
32) 1,1,1-Trichloroethane	5.692	97	88675	0.990	ppbv	97
33) Benzene	6.253	78	97269	1.003	ppbv	96
34) Carbon Tetrachloride	5.612	117	99318	0.964	ppbv	99
39) Trichloroethene	7.123	130	64925	1.017	ppbv	97
48) Toluene	8.997	91	126314	1.021	ppbv	99
52) Tetrachloroethene	9.474	166	87022	1.001	ppbv	98
55) Chlorobenzene	10.790	112	123956	0.985	ppbv	91
56) Ethylbenzene	10.879	91	170003	1.010	ppbv	100
57) m,p-Xylene	11.064	91	259665	2.098	ppbv	99
61) o-Xylene	11.558	91	130803	1.007	ppbv	96
71) 1,3-Dichlorobenzene	13.498	146	122108	0.983	ppbv	98
72) 1,4-Dichlorobenzene	13.595	146	117611	0.985	ppbv	99
75) 1,2-Dichlorobenzene	13.991	146	91523	0.945	ppbv	97
77) 1,2,4-Trichlorobenzene	15.169	180	37693	0.940	ppbv	98
82) Vinyl Chloride(sim)	1.715	62	37978	1.032	ppbv	99
86) Benzene(sim)	6.250	78	106069	0.947	ppbv	99
87) Carbon Tetrachloride(sim)	5.612	117	99318	0.951	ppbv	99
88) 1,1-Dichloroethene(sim)	2.606	61	66641	0.989	ppbv	99
92) Cis-1,2-Dichloroethene...	4.924	61	62054	1.095	ppbv	97
98) Trichloroethene(sim)	7.126	130	64672	0.949	ppbv	99
104) Tetrachloroethene(sim)	9.477	166	84305	0.959	ppbv	100
108) Ethylbenzene(sim)	10.882	91	183375	1.019	ppb	100
109) m,p-Xylene(sim)	11.064	91	259665	2.097	ppbv	99
116) 1,4-Dichlorobenzene(sim)	13.598	146	126507	0.992	ppbv	100
121) 1,2,4-Trichlorobenzene...	15.169	180	37861	0.965	ppbv	98

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_02.D
 Acq On : 30 Jun 2021 12:46 pm
 Operator : Keith
 Client ID : CCAL 1 - BFB TUNE
 Lab ID : 1ppb cCal ; air34b - 1ppb cCal ; air34b
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 01 01:48:54 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 28 09:26:57 2021
 Response via : Initial Calibration



Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_04.D
 Acq On : 30 Jun 2021 1:55 pm
 Operator : Keith
 Client ID : CI65778 LCS
 Lab ID : CI65778 LCS
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:55:07 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

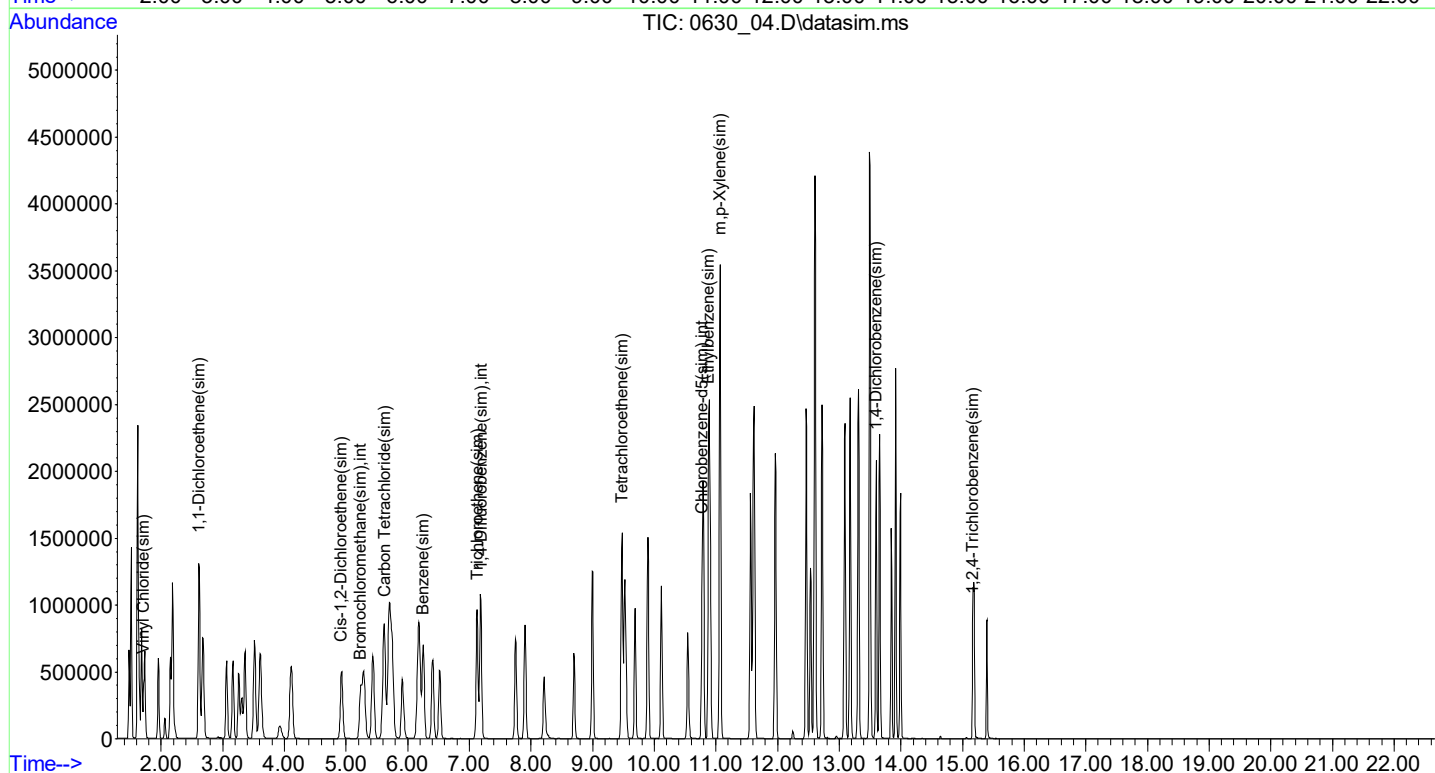
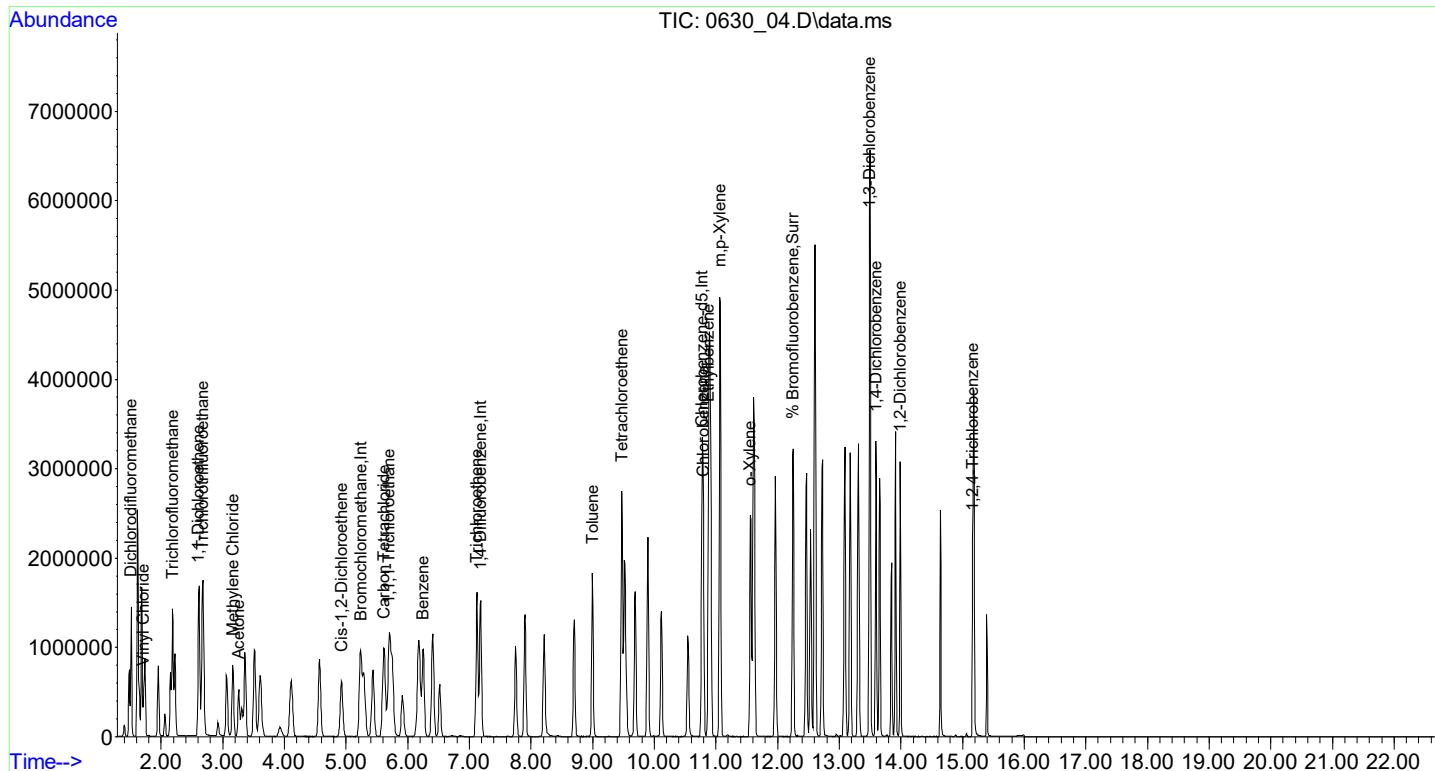
Compound	R.T	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.238	130	494662	10.000	ng	0.02
36) 1,4-Difluorobenzene	7.185	114	1573743	10.000	ng	0.01
53) Chlorobenzene-d5	10.776	82	668140	10.000	ng	0.01
80) Bromochloromethane(sim)	5.233	130	485892	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.185	114	1573743	10.000	ng	0.01
105) Chlorobenzene-d5(sim)	10.776	82	668140	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.252	95	988147	10.146	ppbv	0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	101.50%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.514	85	1002449	10.102	ppbv	99
6) Vinyl Chloride	1.713	62	366375	10.465	ppbv	99
12) Acetone	3.260	43	788697	10.285	ppbv	93
13) Trichlorofluoromethane	2.185	101	1110093	10.110	ppbv	99
16) 1,1-Dichloroethene	2.610	61	645393	10.429	ppbv	97
17) Methylene Chloride	3.164	49	563432	9.911	ppbv	95
21) Trichlorotrifluoroethane	2.678	101	854625	9.952	ppbv	97
26) Cis-1,2-Dichloroethene	4.926	61	615594	11.227	ppbv	98
32) 1,1,1-Trichloroethane	5.699	97	909696	10.080	ppbv#	89
33) Benzene	6.254	78	1023781	10.484	ppbv	96
34) Carbon Tetrachloride	5.620	117	1049218	10.110	ppbv	99
39) Trichloroethene	7.123	130	678778	10.427	ppbv	99
48) Toluene	8.997	91	1367623	10.839	ppbv	98
52) Tetrachloroethene	9.474	166	916938	10.345	ppbv	99
55) Chlorobenzene	10.797	112	1304957	10.068	ppbv	84
56) Ethylbenzene	10.879	91	1824295	10.527	ppbv	99
57) m,p-Xylene	11.064	91	2860473	22.442	ppbv	99
61) o-Xylene	11.558	91	1504044	11.247	ppbv	97
71) 1,3-Dichlorobenzene	13.498	146	1307093	10.217	ppbv	98
72) 1,4-Dichlorobenzene	13.595	146	1290069	10.490	ppbv	100
75) 1,2-Dichlorobenzene	13.991	146	1033179	10.361	ppbv	97
77) 1,2,4-Trichlorobenzene	15.165	180	472667	11.449	ppbv	96
82) Vinyl Chloride(sim)	1.715	62	391780	10.439	ppbv	100
86) Benzene(sim)	6.250	78	1107638	9.690	ppbv	97
87) Carbon Tetrachloride(sim)	5.620	117	1049218	9.851	ppbv	99
88) 1,1-Dichloroethene(sim)	2.613	61	699178	10.169	ppbv	100
92) Cis-1,2-Dichloroethene...	4.924	61	652110	11.275	ppbv	98
98) Trichloroethene(sim)	7.126	130	690564	9.940	ppbv	98
104) Tetrachloroethene(sim)	9.477	166	886473	9.889	ppbv	100
108) Ethylbenzene(sim)	10.882	91	1983393	10.697	ppb	100
109) m,p-Xylene(sim)	11.064	91	2862158	22.442	ppbv	99
116) 1,4-Dichlorobenzene(sim)	13.598	146	1390208	10.588	ppbv	99
121) 1,2,4-Trichlorobenzene...	15.165	180	473262	11.716	ppbv	96

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_04.D
 Acq On : 30 Jun 2021 1:55 pm
 Operator : Keith
 Client ID : CI65778 LCS
 Lab ID : CI65778 LCS
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:55:07 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration



C|65778 LCSD

ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	10.4		0.200	0.200	r
75-01-4	Vinyl Chloride	10.5		0.020	0.020	r
67-64-1	Acetone	10.3		1.00	1.00	r
75-69-4	Trichlorofluoromethane	10.2		0.150	0.150	r
75-35-4	1,1-Dichloroethene	10.5		0.050	0.050	r
75-09-2	Methylene Chloride	10.0		0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	10.1		0.150	0.150	r
156-59-2	Cis-1,2-Dichloroethene	11.3		0.050	0.050	r
71-55-6	1,1,1-Trichloroethane	10.2		0.200	0.200	r
71-43-2	Benzene	10.6		0.050	0.050	r
56-23-5	Carbon Tetrachloride	10.2		0.020	0.020	r
79-01-6	Trichloroethene	10.5		0.037	0.037	r
108-88-3	Toluene	11.0		0.200	0.200	r
127-18-4	Tetrachloroethene	10.3		0.100	0.100	r
108-90-7	Chlorobenzene	10.1		0.200	0.200	r
100-41-4	Ethylbenzene	10.8		0.150	0.150	r
179601-23-1	m,p-Xylene	22.7		0.150	0.150	r
95-47-6	o-Xylene	11.7		0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	10.5		0.150	0.150	r
106-46-7	1,4-Dichlorobenzene	10.8		0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	10.4		0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	11.1		0.250	0.250	r

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

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_05.D
 Acq On : 30 Jun 2021 2:32 pm
 Operator : Keith
 Client ID : CI65778 LCSD
 Lab ID : CI65778 LCSD
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:55:59 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.232	130	489163	10.000	ng	0.02
36) 1,4-Difluorobenzene	7.187	114	1569295	10.000	ng	0.02
53) Chlorobenzene-d5	10.778	82	657314	10.000	ng	0.02
80) Bromochloromethane(sim)	5.235	130	478650	10.000	ng	# 0.02
95) 1,4-Difluorobenzene(sim)	7.187	114	1569295	10.000	ng	0.02
105) Chlorobenzene-d5(sim)	10.778	82	657314	10.000	ng	0.02

System Monitoring Compounds						
62) % Bromofluorobenzene	12.247	95	968350	10.107	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	101.10%

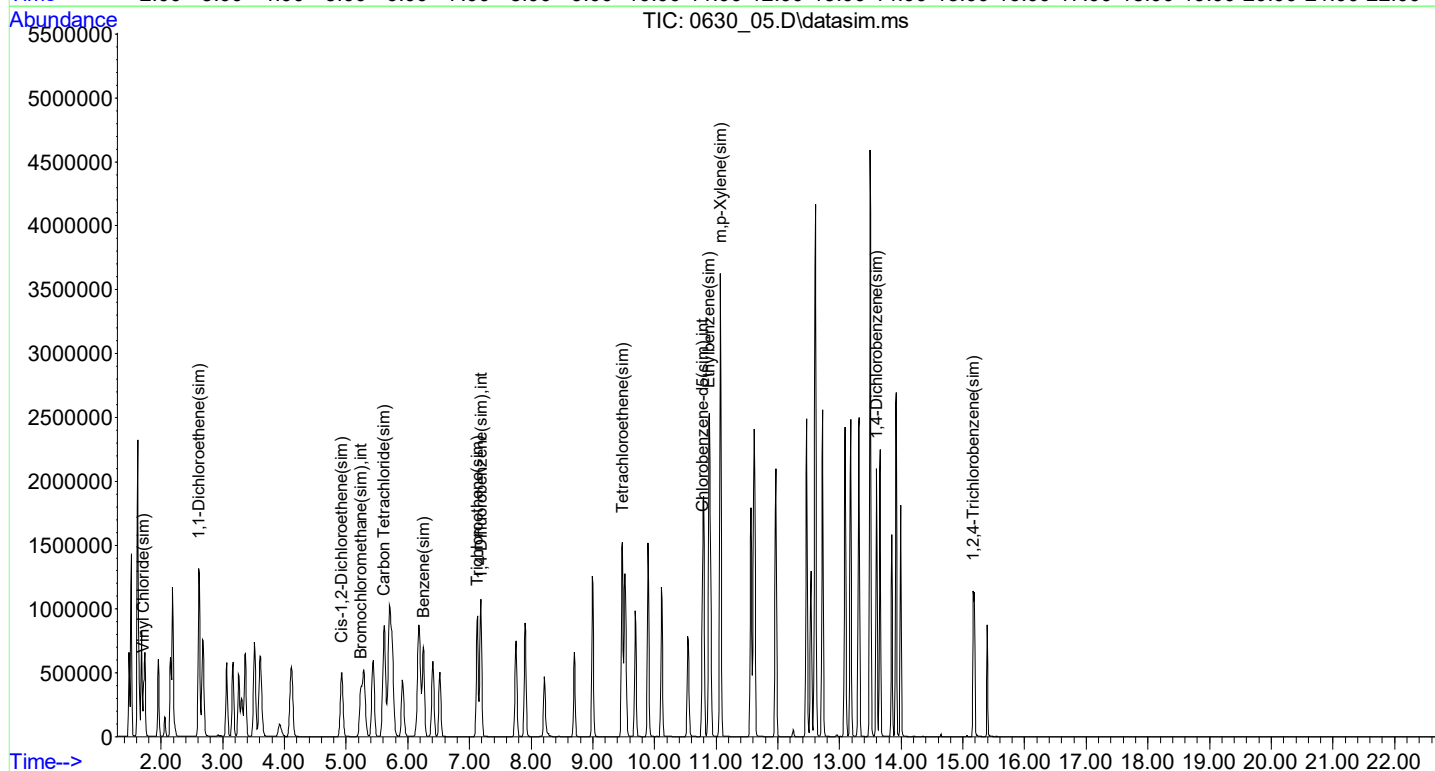
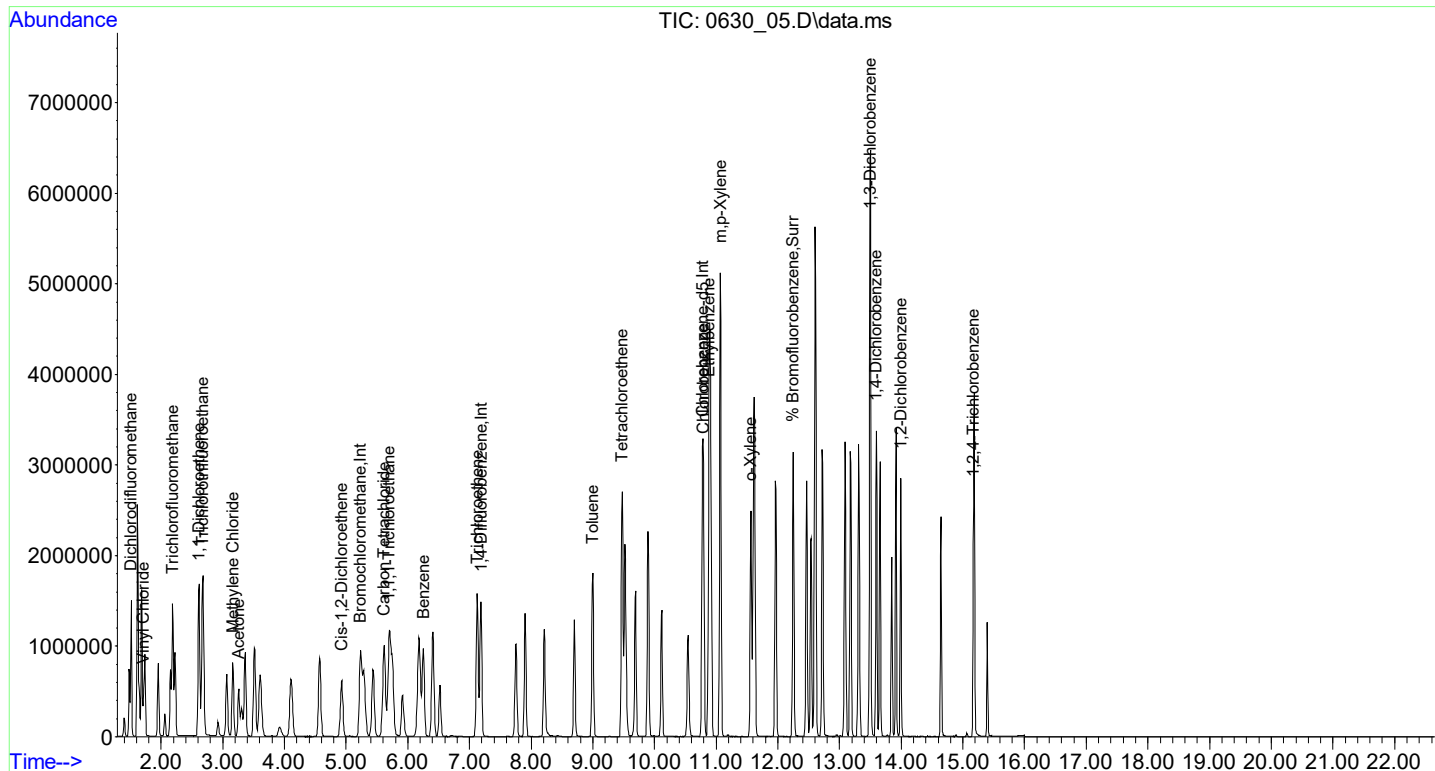
Target Compounds						Qvalue
3) Dichlorodifluoromethane	1.514	85	1021559	10.411	ppbv	100
6) Vinyl Chloride	1.713	62	363378	10.496	ppbv	98
12) Acetone	3.260	43	777427	10.252	ppbv	94
13) Trichlorofluoromethane	2.185	101	1106785	10.193	ppbv	99
16) 1,1-Dichloroethene	2.610	61	644477	10.531	ppbv	97
17) Methylene Chloride	3.164	49	564250	10.037	ppbv	95
21) Trichlorotrifluoroethane	2.678	101	853570	10.052	ppbv	98
26) Cis-1,2-Dichloroethene	4.928	61	610431	11.258	ppbv	98
32) 1,1,1-Trichloroethane	5.701	97	908718	10.182	ppbv#	89
33) Benzene	6.256	78	1021948	10.583	ppbv	97
34) Carbon Tetrachloride	5.614	117	1049915	10.231	ppbv	99
39) Trichloroethene	7.125	130	679276	10.464	ppbv	98
48) Toluene	8.999	91	1378910	10.960	ppbv	98
52) Tetrachloroethene	9.476	166	909346	10.288	ppbv	99
55) Chlorobenzene	10.792	112	1290402	10.120	ppbv	85
56) Ethylbenzene	10.881	91	1837683	10.779	ppbv	100
57) m,p-Xylene	11.066	91	2844814	22.686	ppbv	99
61) o-Xylene	11.560	91	1534189	11.661	ppbv	96
71) 1,3-Dichlorobenzene	13.500	146	1322002	10.504	ppbv	98
72) 1,4-Dichlorobenzene	13.597	146	1304309	10.781	ppbv	99
75) 1,2-Dichlorobenzene	13.993	146	1017250	10.369	ppbv	97
77) 1,2,4-Trichlorobenzene	15.170	180	450908	11.102	ppbv	96
82) Vinyl Chloride(sim)	1.716	62	391312	10.584	ppbv	100
86) Benzene(sim)	6.252	78	1105443	9.817	ppbv	97
87) Carbon Tetrachloride(sim)	5.614	117	1049840	10.006	ppbv	99
88) 1,1-Dichloroethene(sim)	2.613	61	698637	10.315	ppbv	100
92) Cis-1,2-Dichloroethene...	4.926	61	653257	11.466	ppbv	97
98) Trichloroethene(sim)	7.128	130	688175	9.934	ppbv	98
104) Tetrachloroethene(sim)	9.479	166	886696	9.919	ppbv	100
108) Ethylbenzene(sim)	10.884	91	1980959	10.860	ppb	100
109) m,p-Xylene(sim)	11.066	91	2847216	22.692	ppbv	99
116) 1,4-Dichlorobenzene(sim)	13.600	146	1412787	10.937	ppbv	99
121) 1,2,4-Trichlorobenzene...	15.170	180	451515	11.362	ppbv	96

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_05.D
 Acq On : 30 Jun 2021 2:32 pm
 Operator : Keith
 Client ID : CI65778 LCSD
 Lab ID : CI65778 LCSD
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:55:59 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

Lab Sample ID: CI65778 BL

Lab File ID: 0630_07.D

Date Received: 06/30/21

Date Analyzed: 06/30/21Dilution Factor: 1

ppbv

[illegible]

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

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_07.D
 Acq On : 30 Jun 2021 3:34 pm
 Operator : Keith
 Client ID : CI65778 BLANK
 Lab ID : CI65778 BLANK
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 07:22:50 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

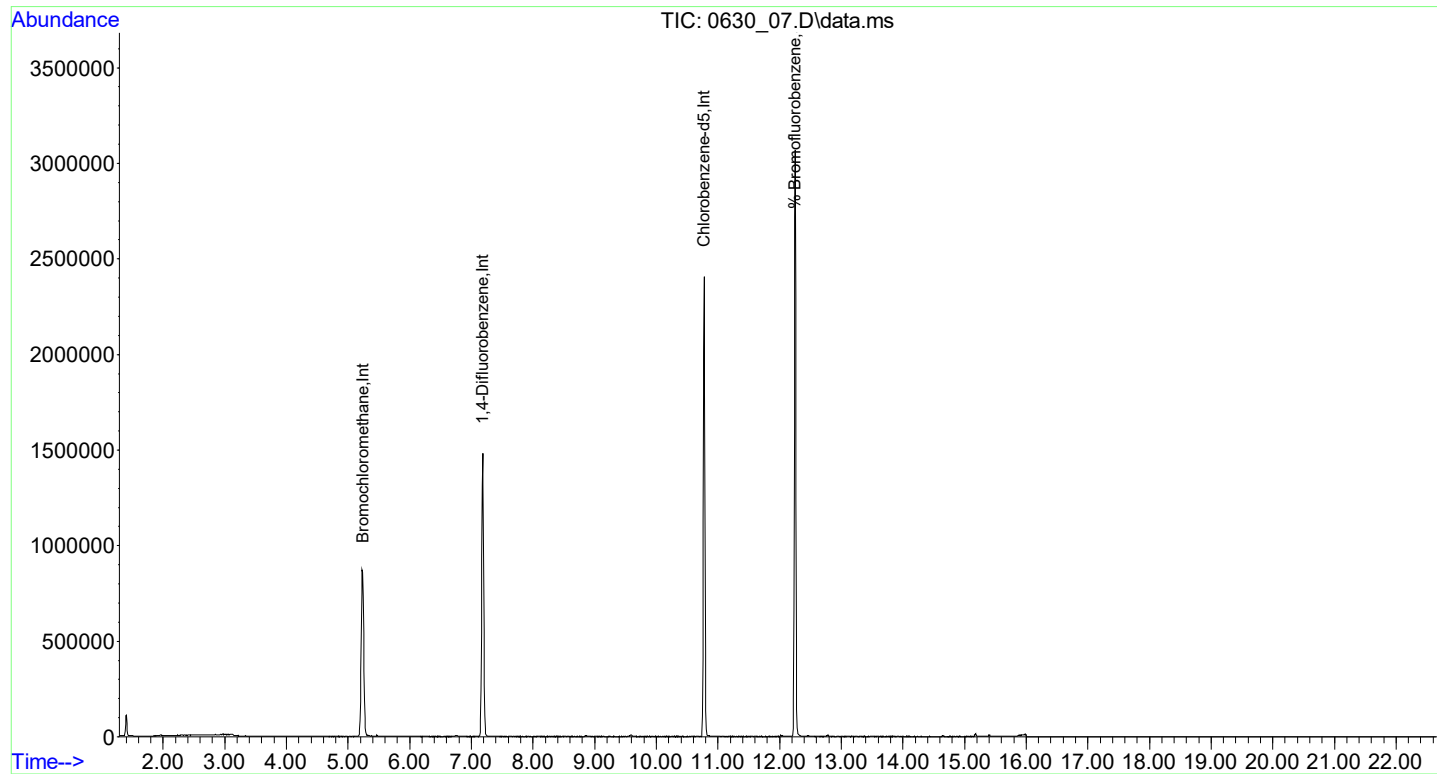
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.237	130	486763	10.000	ng	0.02
36) 1,4-Difluorobenzene	7.185	114	1508329	10.000	ng	0.01
53) Chlorobenzene-d5	10.776	82	634122	10.000	ng	0.01
80) Bromochloromethane(sim)	5.233	130	473601	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.185	114	1508329	10.000	ng	0.01
105) Chlorobenzene-d5(sim)	10.776	82	634122	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.252	95	896581	9.700	ppbv	0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.00%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM24\06JUN\30\
Data File : 0630_07.D
Acq On : 30 Jun 2021 3:34 pm
Operator : Keith
Client ID : CI65778 BLANK
Lab ID : CI65778 BLANK
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 07:22:50 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Tue Jun 29 10:02:03 2021
Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI65769	Lab Sample ID:	CI65778 DUP
Canister:	23338	Lab File ID:	0630_18.D
Instrument:	CHEM24	Column:	RTX-VMS
		Date Received:	06/30/21
Purge Volume	200 (cc)	Date Analyzed:	07/01/21
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_18.D
 Acq On : 1 Jul 2021 2:53 am
 Operator : Keith
 Client ID : IA-05 DUP
 Lab ID : CI65778 DUP
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 08:26:46 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration

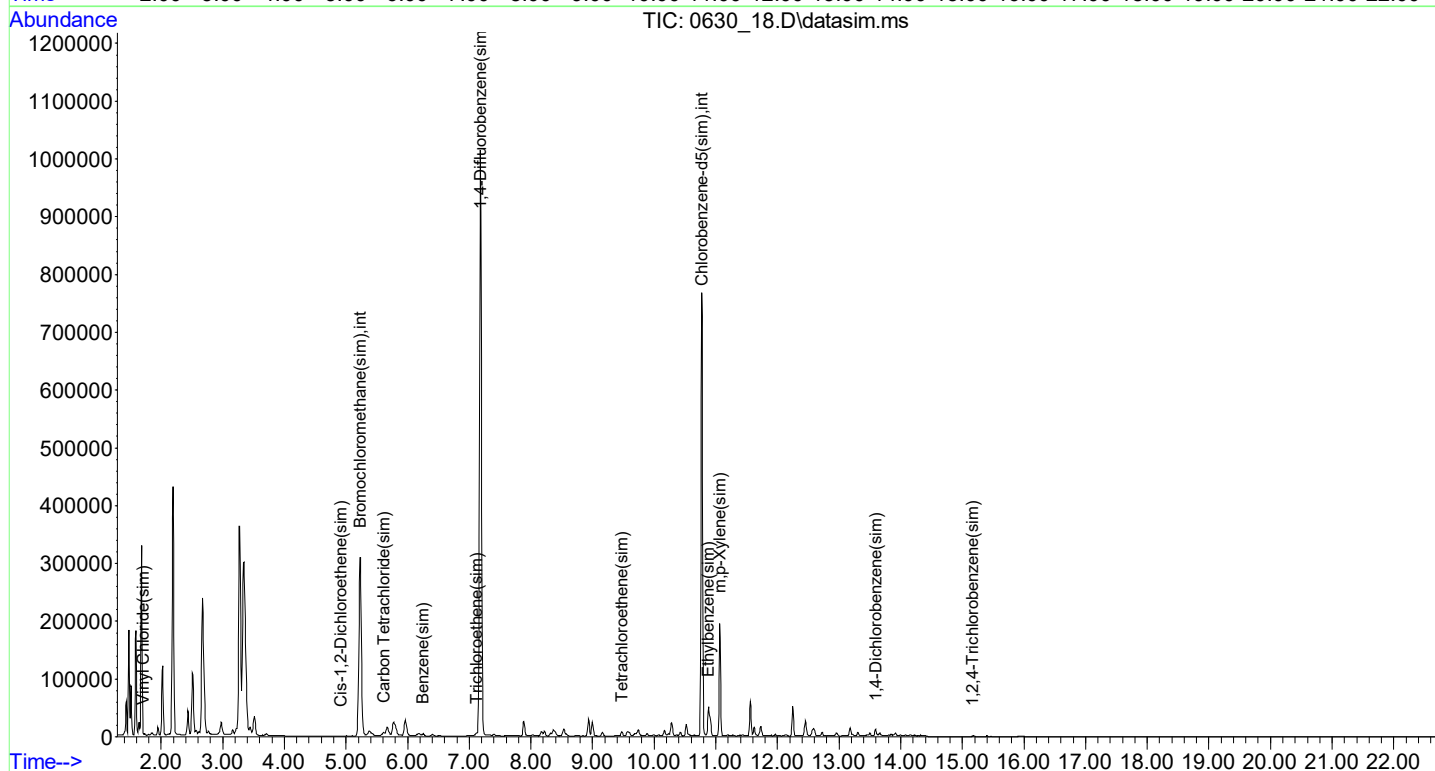
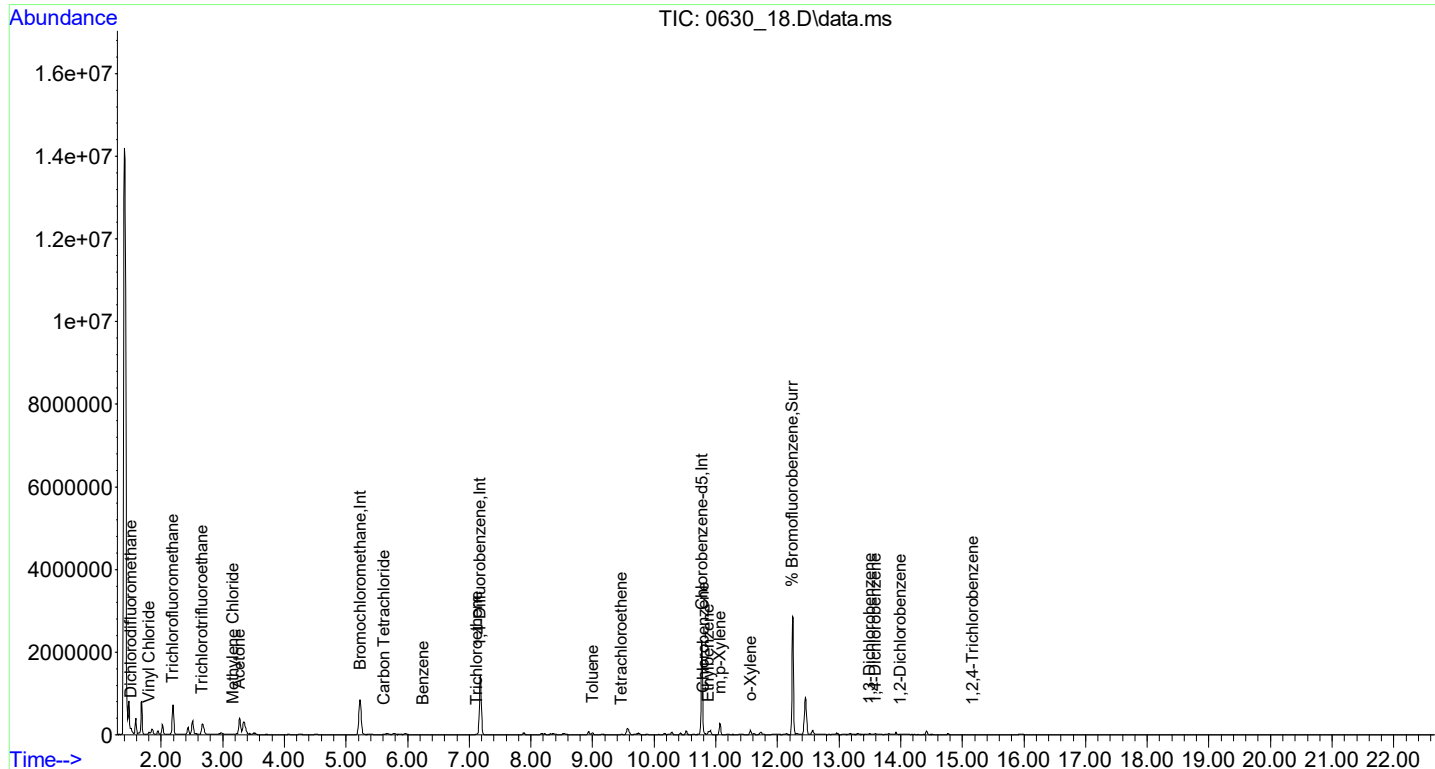
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.230	130	469045	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.178	114	1432882	10.000	ng	0.00
53) Chlorobenzene-d5	10.776	82	606564	10.000	ng	0.01
80) Bromochloromethane(sim)	5.233	130	460662	10.000	ng	# 0.01
95) 1,4-Difluorobenzene(sim)	7.178	114	1432882	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.776	82	606564	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.245	95	870600	9.847	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.50%
Target Compounds						
3) Dichlorodifluoromethane	1.514	85	62721	0.667	ppbv	Qvalue 97
12) Acetone	3.273	43	585578	8.053	ppbv	100
13) Trichlorofluoromethane	2.185	101	87841	0.844	ppbv	100
34) Carbon Tetrachloride	5.612	117	6567	0.067	ppbv	95
56) Ethylbenzene	10.879	91	45687	0.290	ppbv	96
57) m,p-Xylene	11.064	91	159599	1.379	ppbv	100
61) o-Xylene	11.565	91	46161	0.380	ppbv	97
84) Trichlorofluoromethane...	2.181	101	90007	0.809	ppbv	99
86) Benzene(sim)	6.250	78	6000	0.055	ppbv	93
87) Carbon Tetrachloride(sim)	5.612	117	6426	0.064	ppbv	95
108) Ethylbenzene(sim)	10.882	91	49525	0.294	ppb	100
109) m,p-Xylene(sim)	11.064	91	159677	1.379	ppbv	99
110) o-Xylene(sim)	11.561	91	49083	0.399	ppb	99

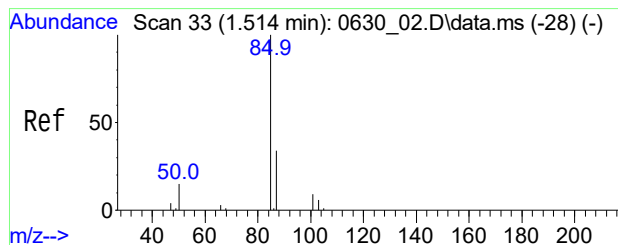
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\06JUN\30\
 Data File : 0630_18.D
 Acq On : 1 Jul 2021 2:53 am
 Operator : Keith
 Client ID : IA-05 DUP
 Lab ID : CI65778 DUP
 ALS Vial : 18 Sample Multiplier: 1

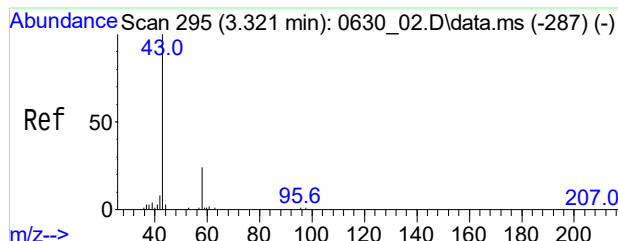
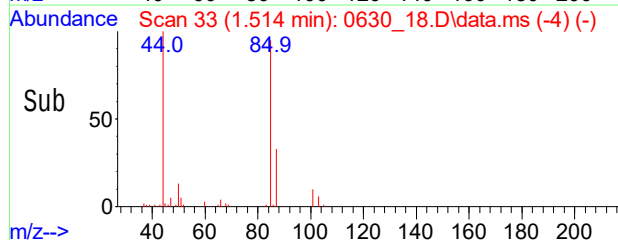
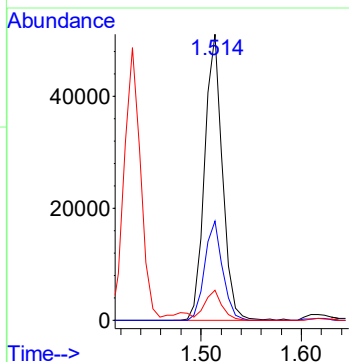
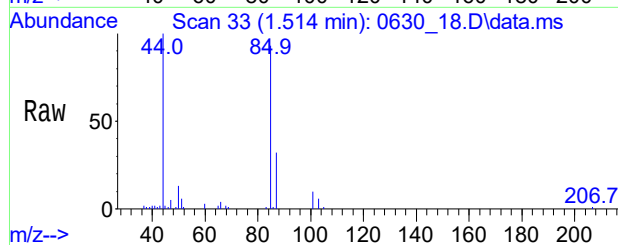
Quant Time: Jul 01 08:26:46 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0627.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Tue Jun 29 10:02:03 2021
 Response via : Initial Calibration





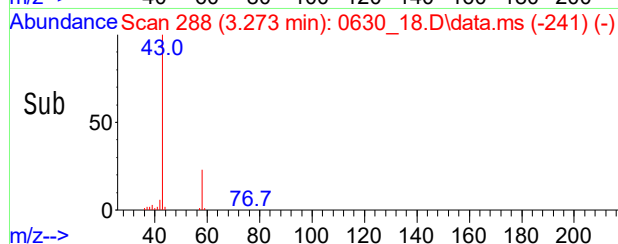
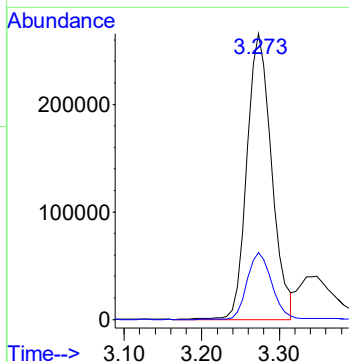
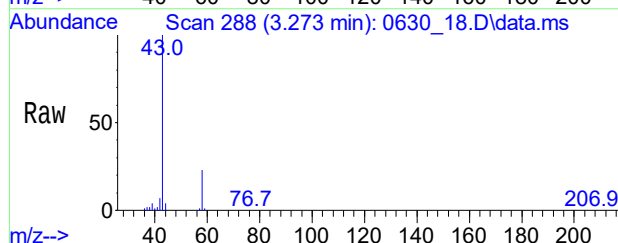
#3
Dichlorodifluoromethane
Conc: 8\$ 0.667 ppbv
RT: 1.514 min Scan# 33
Delta R.T. 0.000 min
Lab File: 0630_18.D
Acq: 1 Jul 2021 2:53 am

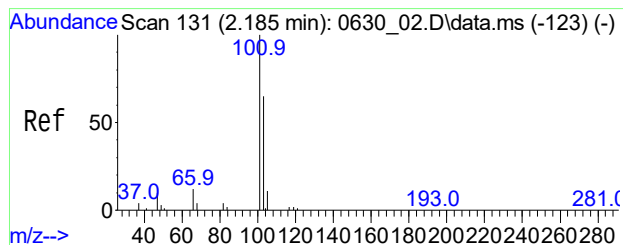
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	62721		
87	34.6	26.2	39.4	
101	9.9	8.2	12.4	



#12
Acetone
Conc: 8\$ 8.053 ppbv
RT: 3.273 min Scan# 288
Delta R.T. 0.021 min
Lab File: 0630_18.D
Acq: 1 Jul 2021 2:53 am

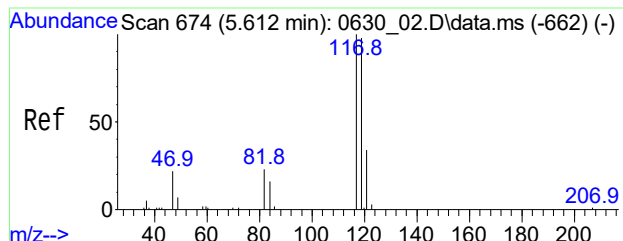
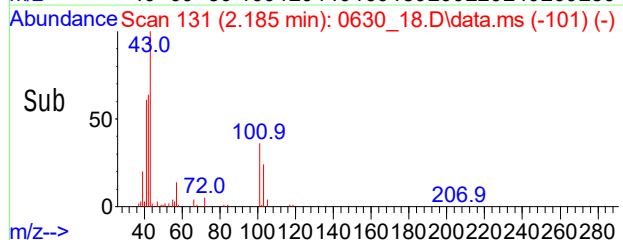
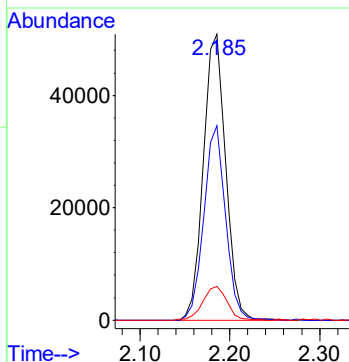
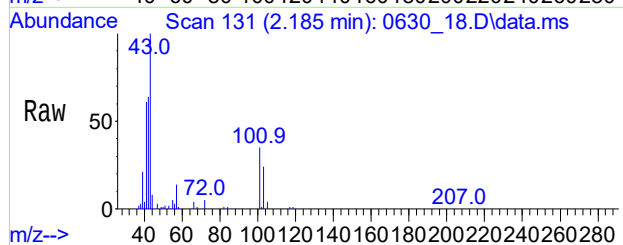
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	585578		
58	24.0	19.4	29.0	





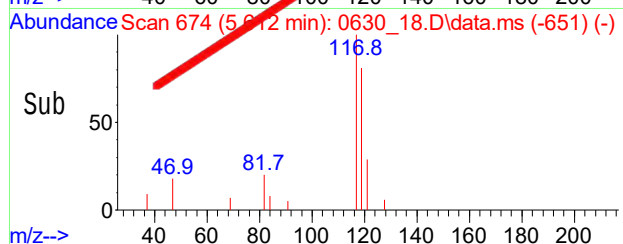
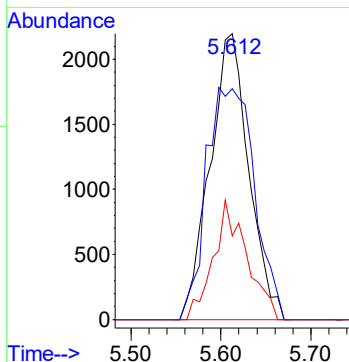
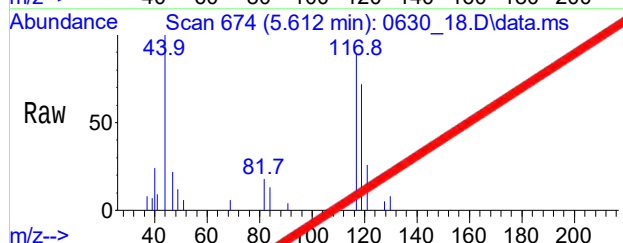
#13
Trichlorofluoromethane
Conc: 8\$ 0.844 ppbv
RT: 2.185 min Scan# 131
Delta R.T. 0.007 min
Lab File: 0630_18.D
Acq: 1 Jul 2021 2:53 am

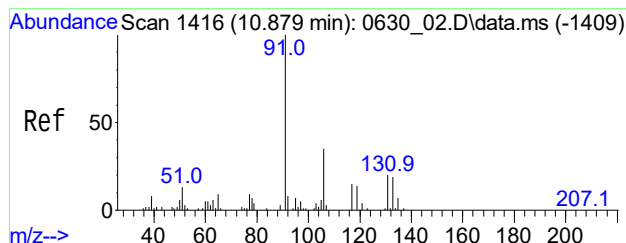
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	87841		
103	66.1	53.1	79.7	
66	12.8	10.1	15.1	



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.612 min Scan# 674
Delta R.T. 0.014 min
Lab File: 0630_18.D
Acq: 1 Jul 2021 2:53 am

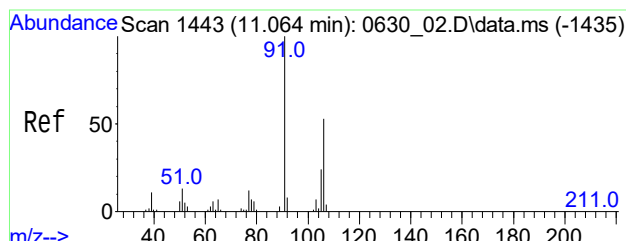
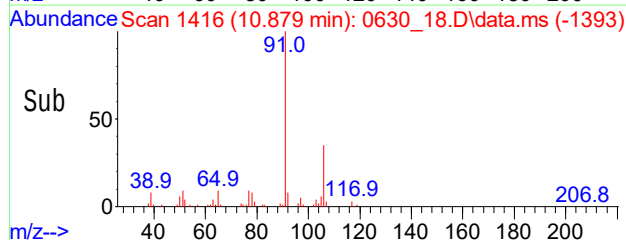
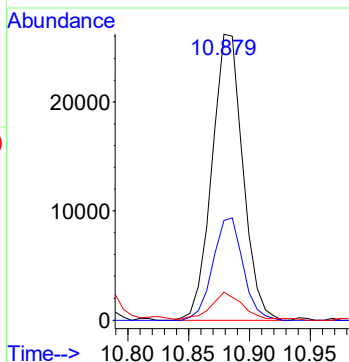
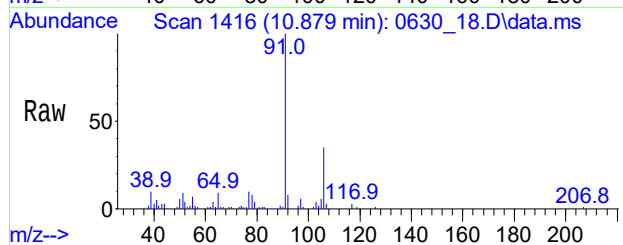
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6567		
119	100.8	77.2	117.2	
121	35.6	10.8	50.8	





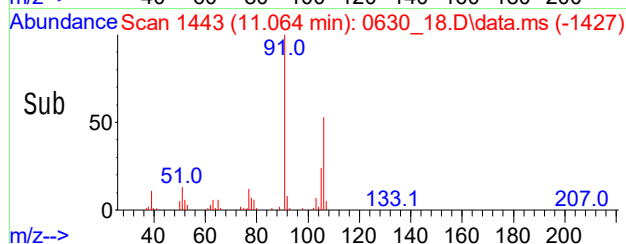
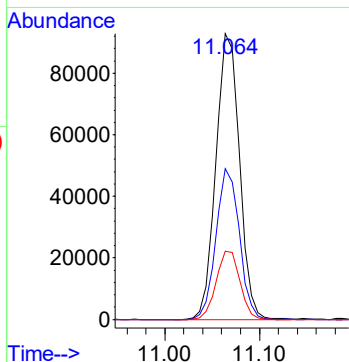
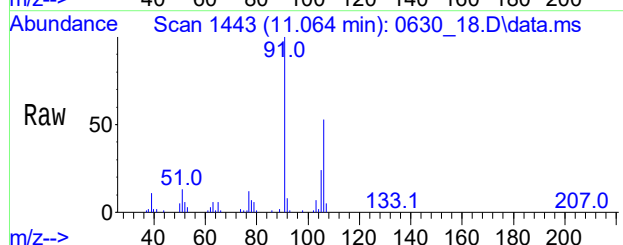
#56
Ethylbenzene
Conc: 8\$ 0.290 ppbv
RT: 10.879 min Scan# 1416
Delta R.T. 0.007 min
Lab File: 0630_18.D
Acq: 1 Jul 2021 2:53 am

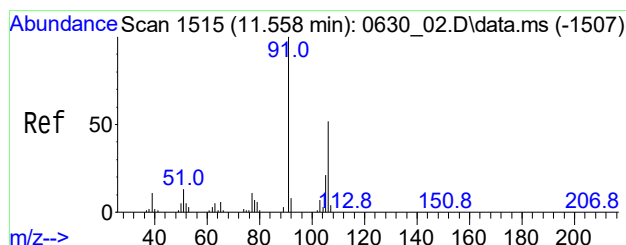
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	45687		
106	34.8	12.7	52.7	
77	10.3	0.0	28.0	



#57
m,p-Xylene
Conc: 8\$ 1.379 ppbv
RT: 11.064 min Scan# 1443
Delta R.T. 0.007 min
Lab File: 0630_18.D
Acq: 1 Jul 2021 2:53 am

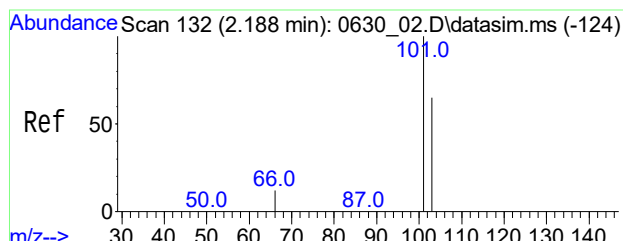
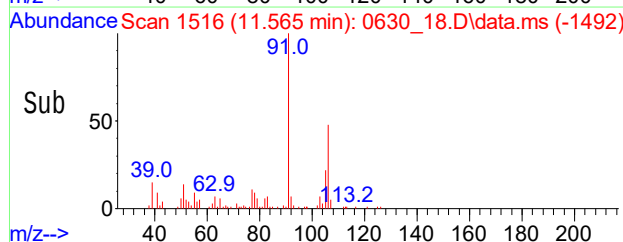
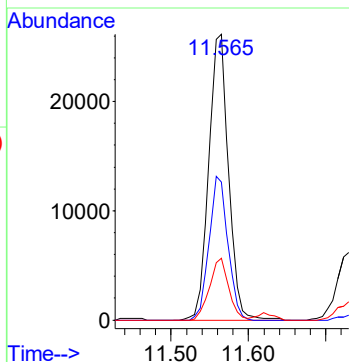
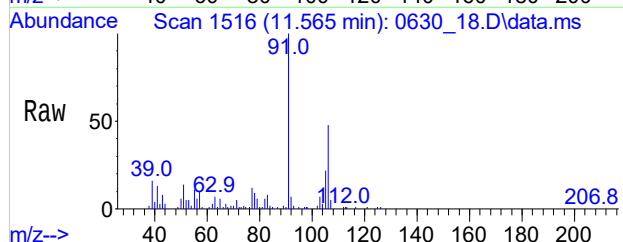
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	159599		
106	52.2	41.4	62.2	
105	24.1	19.4	29.0	





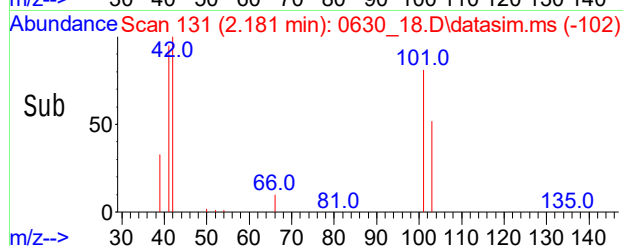
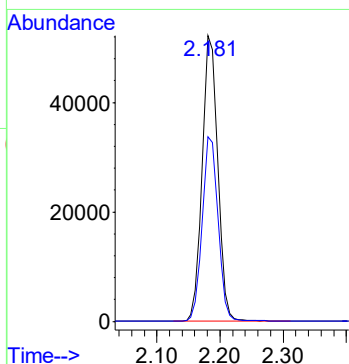
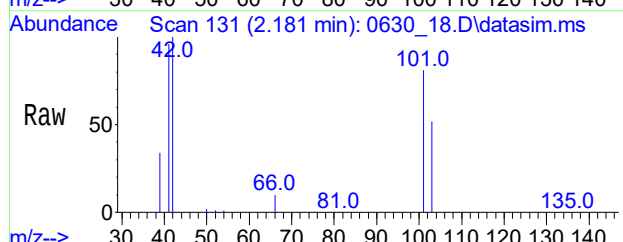
#61
o-Xylene
Conc: 8\$ 0.380 ppbv
RT: 11.565 min Scan# 1516
Delta R.T. 0.014 min
Lab File: 0630_18.D
Acq: 1 Jul 2021 2:53 am

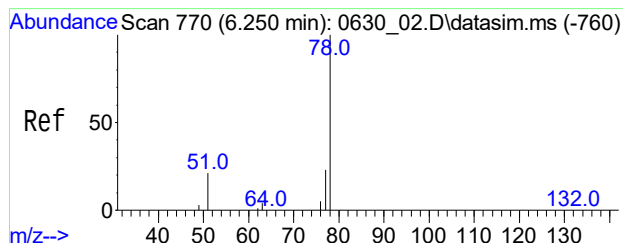
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	46161		
106	47.9	40.0	60.0	
105	21.0	17.4	26.0	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.809 ppbv
RT: 2.181 min Scan# 131
Delta R.T. 0.000 min
Lab File: 0630_18.D
Acq: 1 Jul 2021 2:53 am

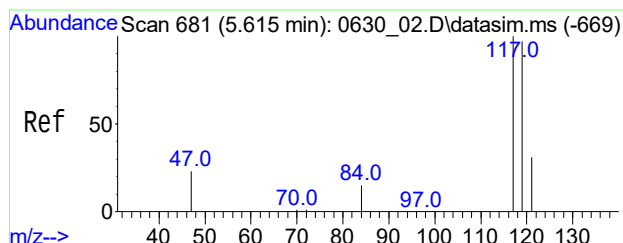
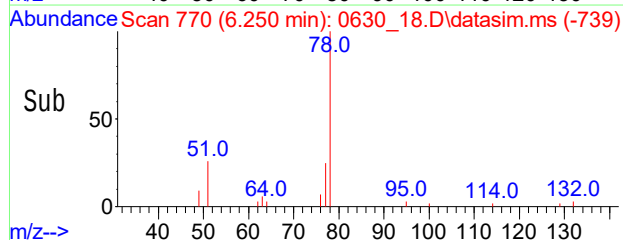
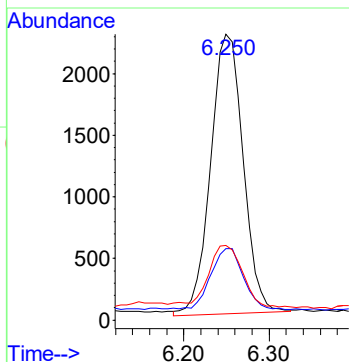
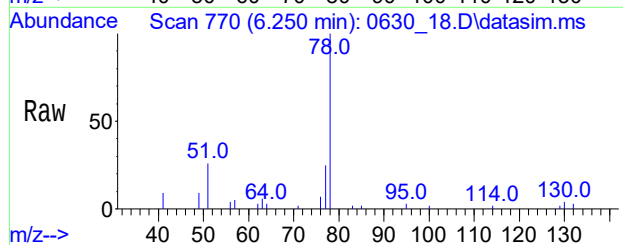
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	90007		
103	65.4	52.8	79.2	





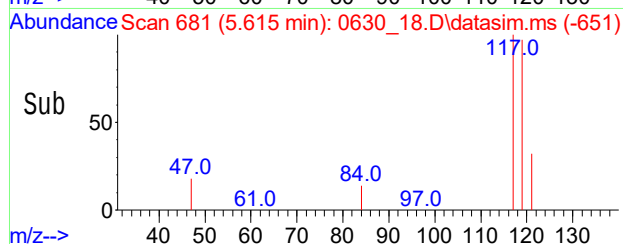
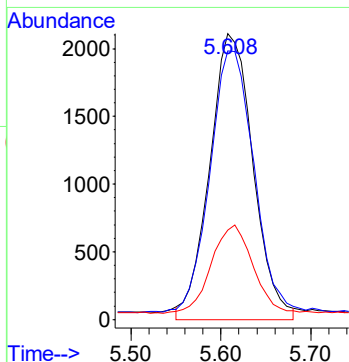
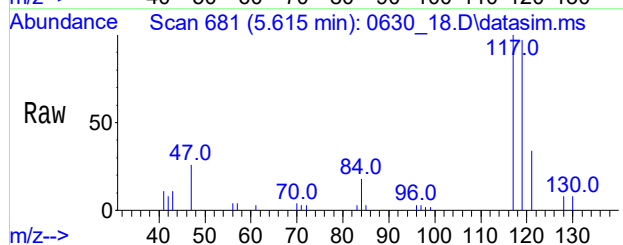
#86
Benzene(sim)
Conc: 8\$ 0.055 ppbv
RT: 6.250 min Scan# 770
Delta R.T. 0.014 min
Lab File: 0630_18.D
Acq: 1 Jul 2021 2:53 am

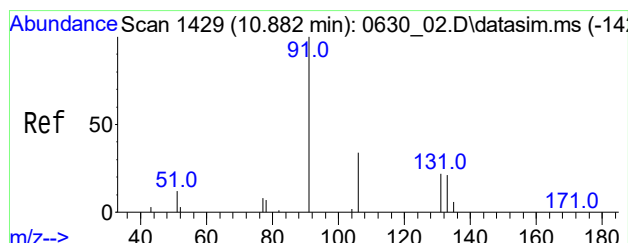
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	21.5	20.2	30.4	
51	26.1	18.4	27.6	



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.064 ppbv
RT: 5.612 min Scan# 681
Delta R.T. 0.014 min
Lab File: 0630_18.D
Acq: 1 Jul 2021 2:53 am

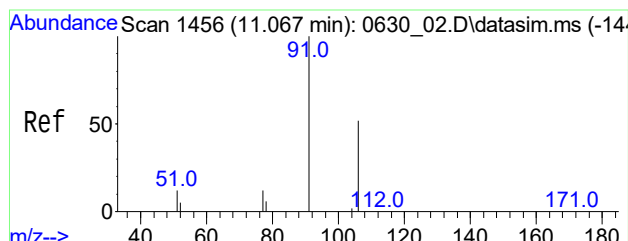
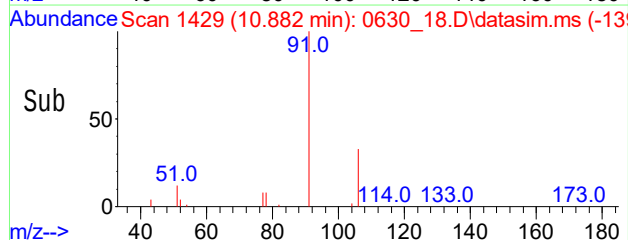
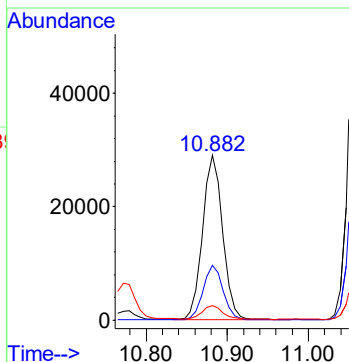
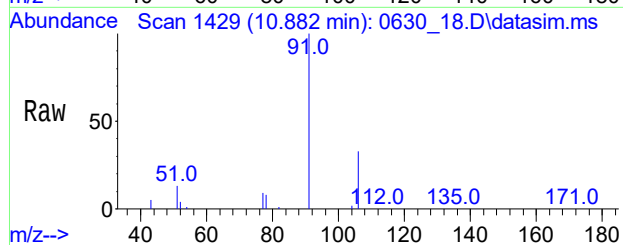
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.7	77.8	116.6	
121	36.4	24.5	36.7	





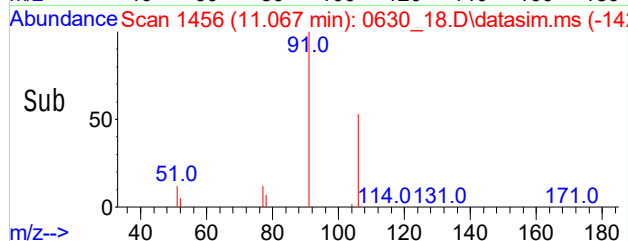
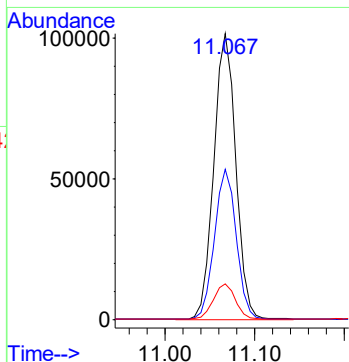
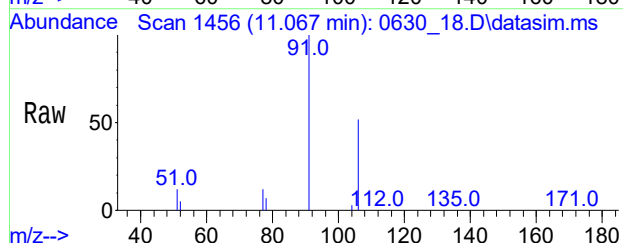
#108
Ethylbenzene(sim)
Conc: 8\$ 0.294 ppb
RT: 10.882 min Scan# 1429
Delta R.T. 0.007 min
Lab File: 0630_18.D
Acq: 1 Jul 2021 2:53 am

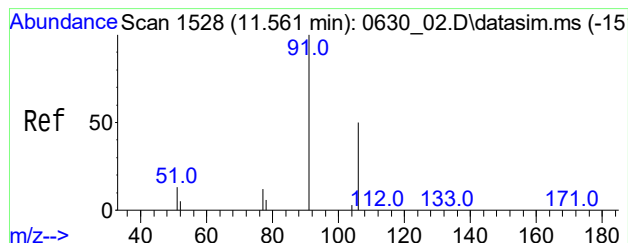
Tgt	Ion	Ratio	Resp	Lower	Upper
91	100		49525		
106	33.0	26.6	40.0		
77	8.7	7.0	10.6		



#109
m,p-Xylene(sim)
Conc: 8\$ 1.379 ppbv
RT: 11.064 min Scan# 1456
Delta R.T. 0.007 min
Lab File: 0630_18.D
Acq: 1 Jul 2021 2:53 am

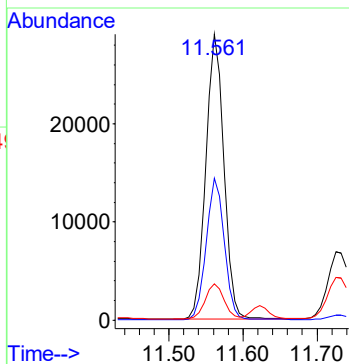
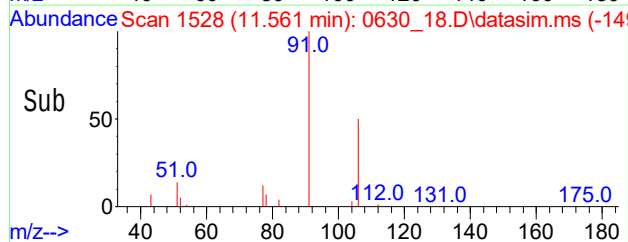
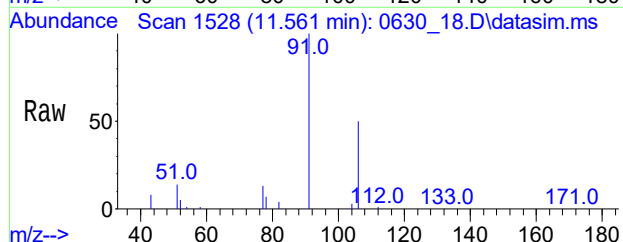
Tgt	Ion	Ratio	Resp	Lower	Upper
91	100		159677		
106	52.2	46.5	56.9		
77	12.9	10.2	15.4		

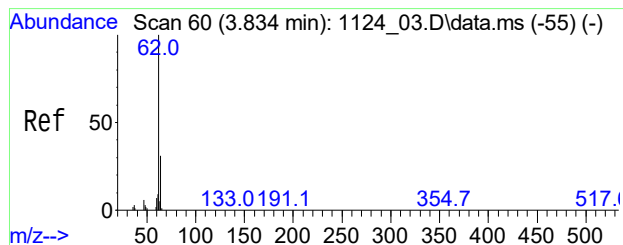




#110
o-Xylene(sim)
Conc: 8\$ 0.399 ppb
RT: 11.561 min Scan# 1528
Delta R.T. 0.007 min
Lab File: 0630_18.D
Acq: 1 Jul 2021 2:53 am

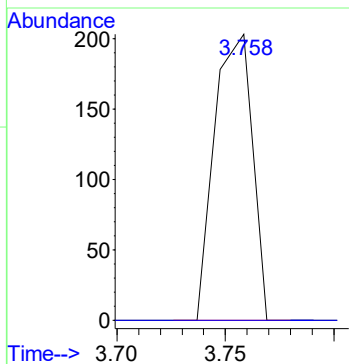
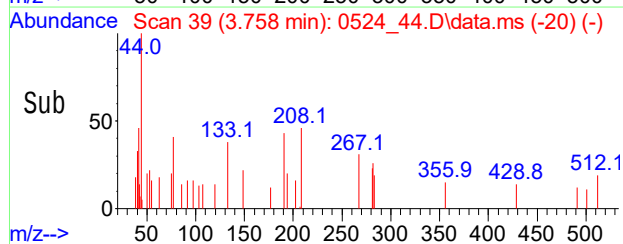
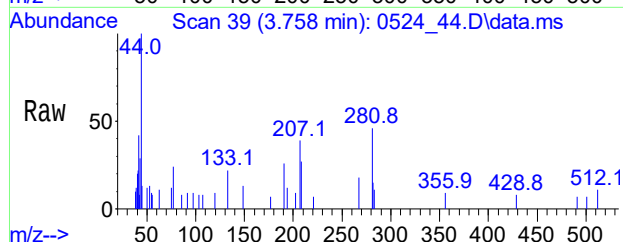
Tgt Ion: 91 Resp: 49083
Ion Ratio Lower Upper
91 100
106 49.5 39.2 58.8
77 12.7 9.7 14.5





#6
 Vinyl Chloride
 Conc: 8\$ Below Cal
 RT: 3.758 min Scan# 39
 Delta R.T. 0.000 min
 Lab File: 0524_44.D
 Acq: 25 May 2021 1:16 pm

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	246		
64	0.0	11.6		51.6#



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI65769	Lab Sample ID:	IND CAN CERT 12858
Canister:	CANBL	Lab File ID:	0602_05.D
Instrument:	CHEM20	Column:	
Purge Volume	200 (cc)	Date Analyzed:	06/03/21
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2021\CHEM20\06JUN\02\
Data File : 0602_05.D
Acq On : 2 Jun 2021 6:02 pm
Operator :
Client ID : IND CAN CERT 12858
Lab ID : IND CAN CERT 12858
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 06:29:07 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.633	130	253808	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.820	114	932478	10.000	ng	0.00
54) Chlorobenzene-d5	10.355	82	444841	10.000	ng	0.00
81) Bromochloromethane(sim)	6.628	130	290559	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.820	114	932478	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.355	82	444841	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.216	95	529865	9.484	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	94.80%

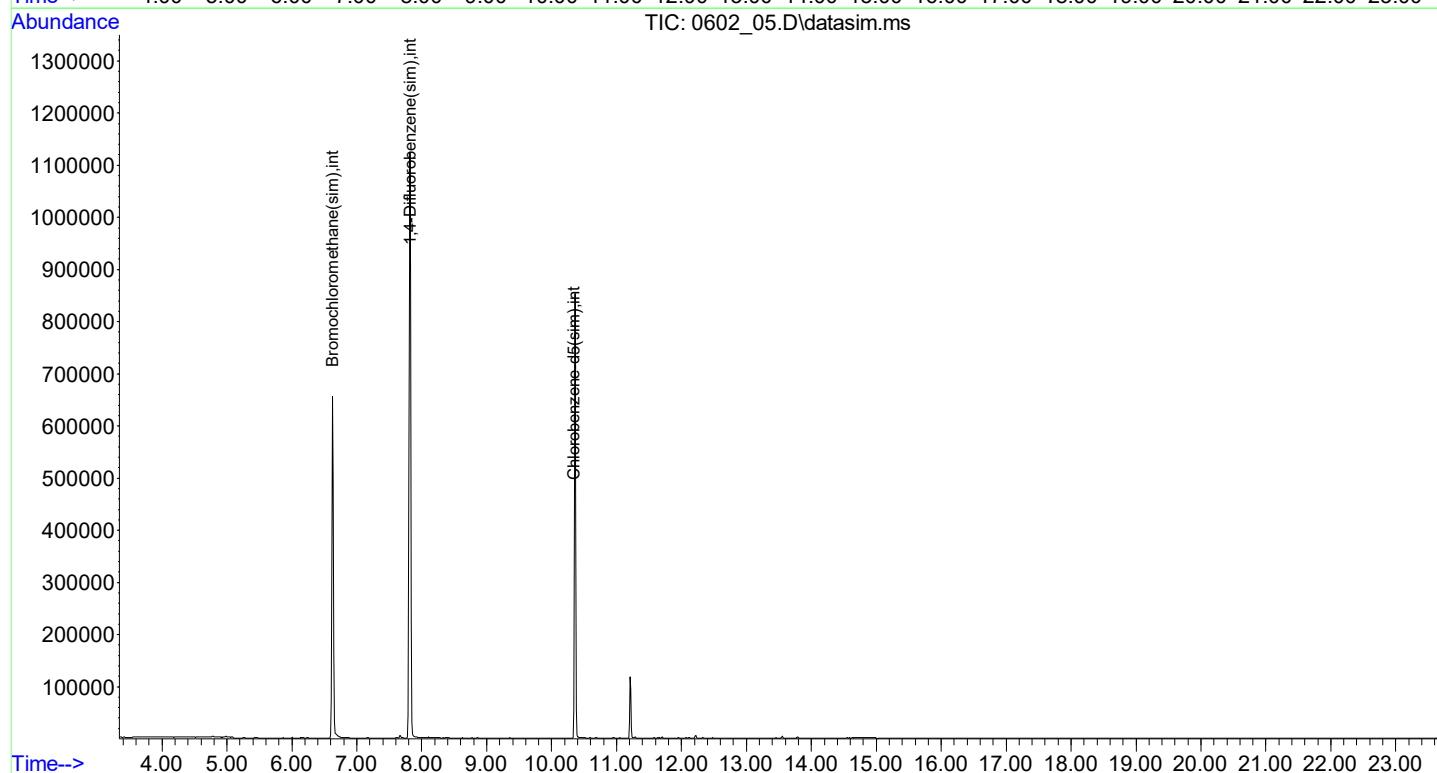
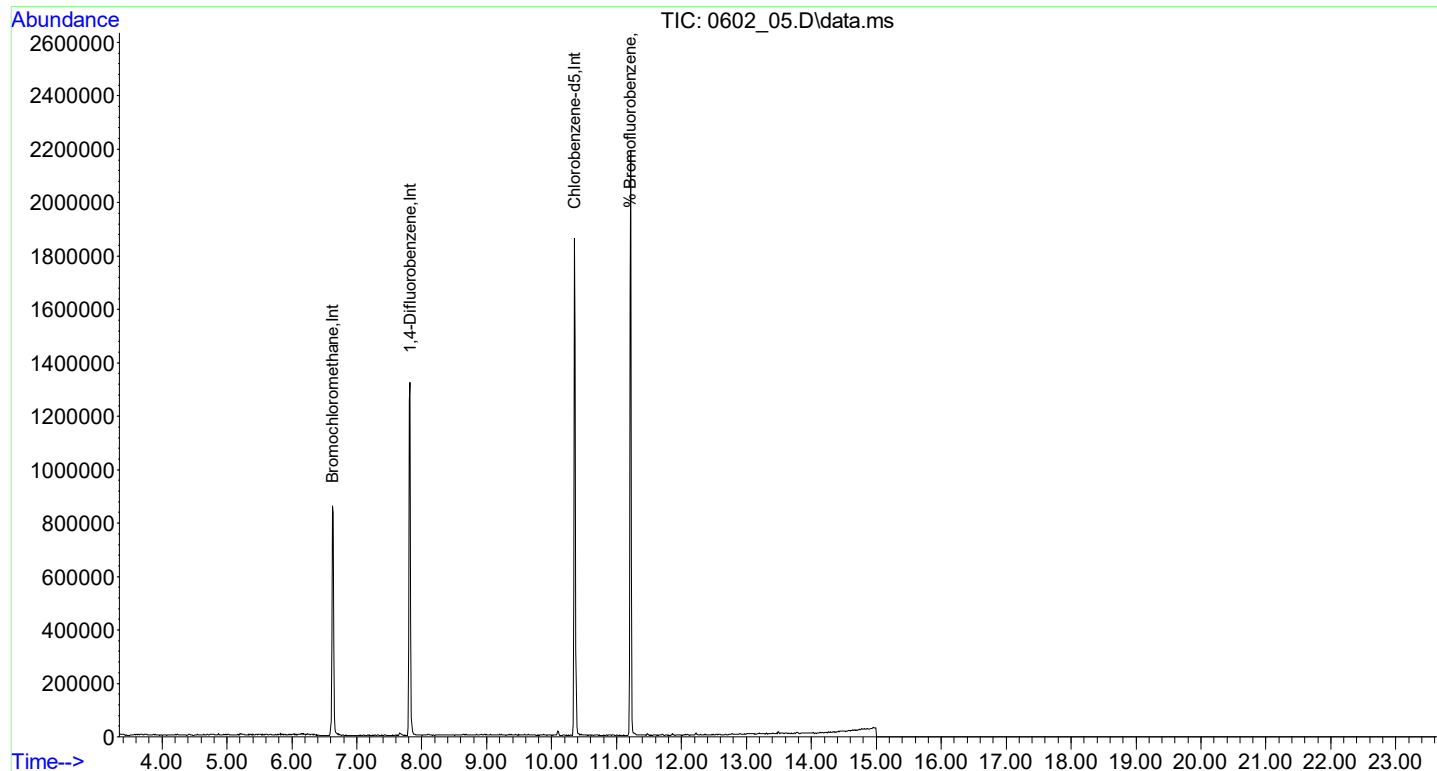
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2021\CHEM20\06JUN\02\
 Data File : 0602_05.D
 Acq On : 2 Jun 2021 6:02 pm
 Operator :
 Client ID : IND CAN CERT 12858
 Lab ID : IND CAN CERT 12858
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 06:29:07 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri May 28 08:21:14 2021
 Response via : Initial Calibration



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

Canister: CANBL Lab File ID: 0602_16.D

Purge Volume 200 (cc) Date Analyzed: 06/03/21

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

Data Path : H:\AIR2021\CHEM20\06JUN\02\
Data File : 0602_16.D
Acq On : 3 Jun 2021 1:06 am
Operator :
Client ID : IND CAN CERT 21357
Lab ID : IND CAN CERT 21357
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 03 06:30:46 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.625	130	239033	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.811	114	879702	10.000	ng	0.00
54) Chlorobenzene-d5	10.357	82	427309	10.000	ng	0.00
81) Bromochloromethane(sim)	6.630	130	279529	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.811	114	879876	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.357	82	427309	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.208	95	508572	9.476	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	94.80%

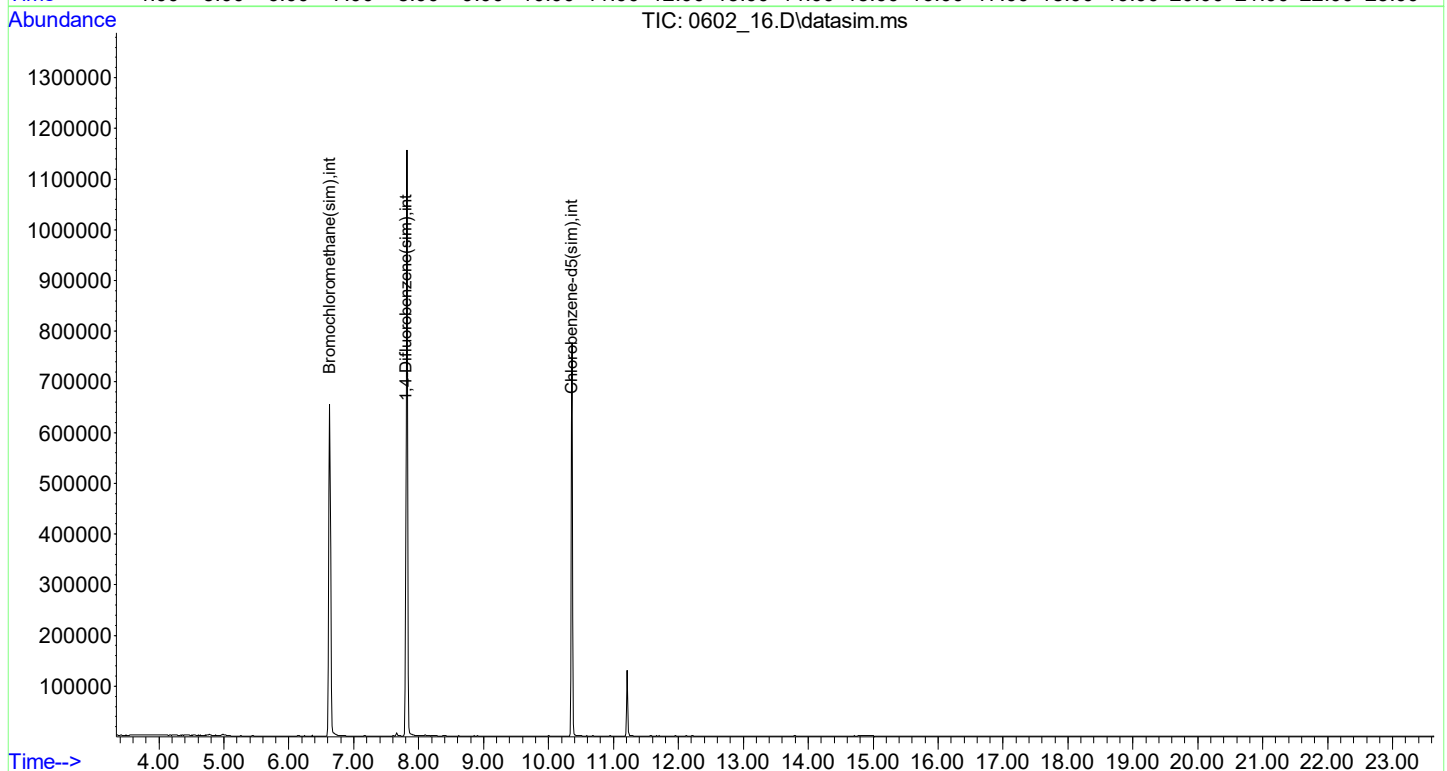
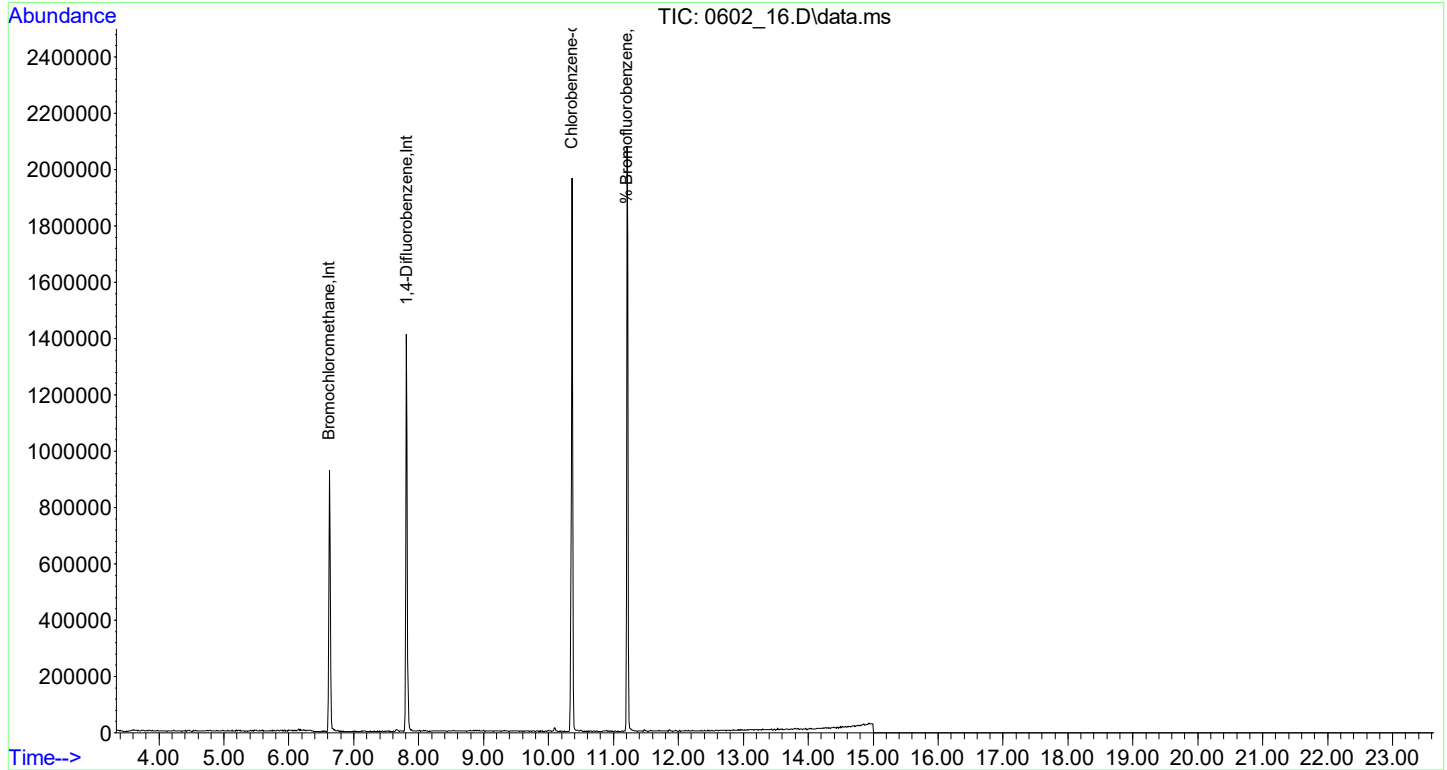
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2021\CHEM20\06JUN\02\
 Data File : 0602_16.D
 Acq On : 3 Jun 2021 1:06 am
 Operator :
 Client ID : IND CAN CERT 21357
 Lab ID : IND CAN CERT 21357
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 03 06:30:46 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri May 28 08:21:14 2021
 Response via : Initial Calibration



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCI65769 Lab Sample ID: IND CAN CERT 23330

Instrument: CHEM20 Column: Date Received:

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

07/09/2021

Data Path : H:\AIR2021\CHEM20\06JUN\02\
Data File : 0602_17.D
Acq On : 3 Jun 2021 1:45 am
Operator :
Client ID : IND CAN CERT 23330
Lab ID : IND CAN CERT 23330
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 06:30:55 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.625	130	240433	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.811	114	863260	10.000	ng	0.00
54) Chlorobenzene-d5	10.357	82	421398	10.000	ng	0.00
81) Bromochloromethane(sim)	6.630	130	274954	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.811	114	863260	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.357	82	421398	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.208	95	498166	9.412	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	94.10%

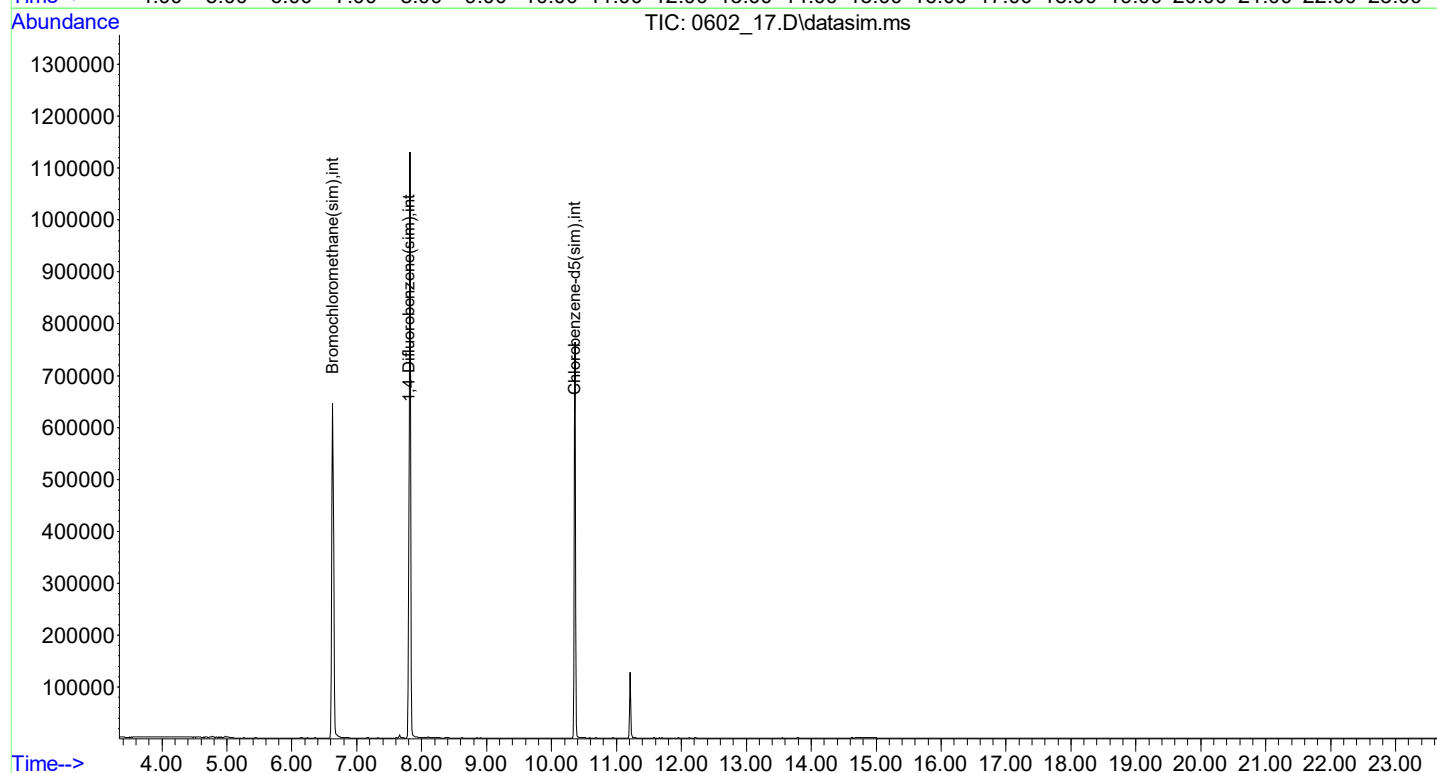
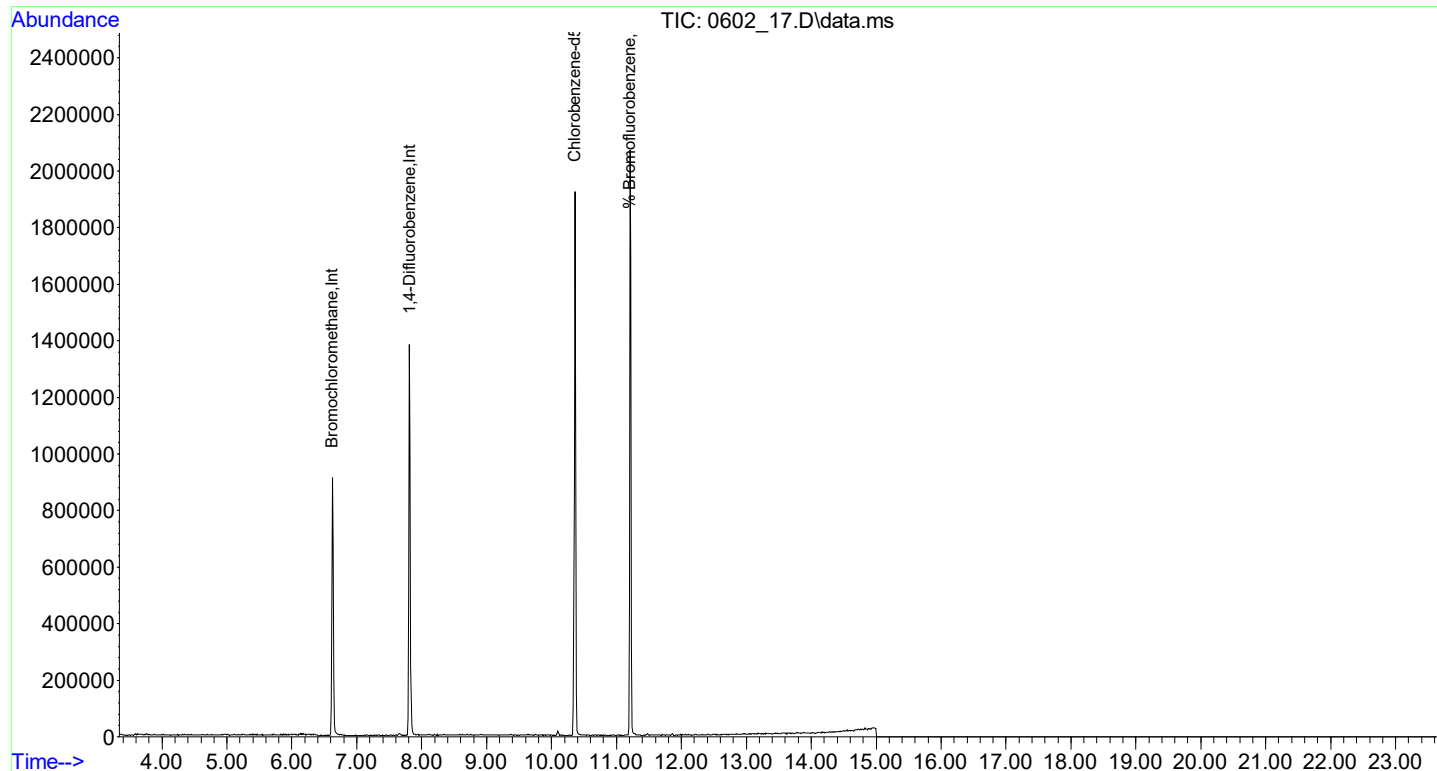
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2021\CHEM20\06JUN\02\
 Data File : 0602_17.D
 Acq On : 3 Jun 2021 1:45 am
 Operator :
 Client ID : IND CAN CERT 23330
 Lab ID : IND CAN CERT 23330
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 03 06:30:55 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri May 28 08:21:14 2021
 Response via : Initial Calibration



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

Canister: CANBL Lab File ID: 0602 20.D

Purge Volume 200 (cc) Date Analyzed: 06/03/21

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

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:\AIR2021\CHEM20\06JUN\02\
Data File : 0602_20.D
Acq On : 3 Jun 2021 3:40 am
Operator :
Client ID : IND CAN CERT 23335
Lab ID : IND CAN CERT 23335
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 03 06:31:21 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration

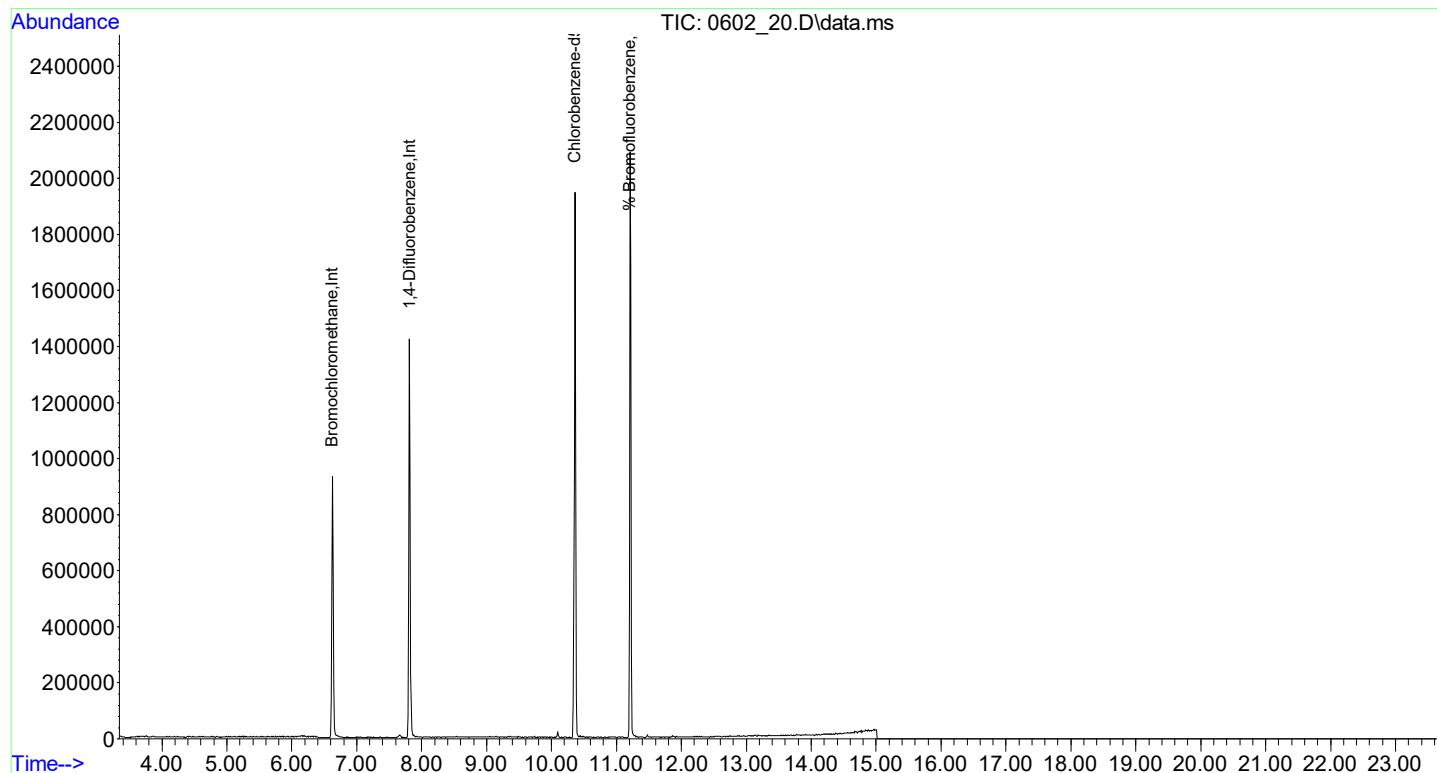
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.625	130	242582	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.811	114	856995	10.000	ng	0.00
54) Chlorobenzene-d5	10.358	82	422982	10.000	ng	0.00
81) Bromochloromethane(sim)	6.631	130	275981	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.811	114	856076	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.358	82	424158	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.208	95	511360	9.625	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.30%

Target Compounds Qvalue

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

Data Path : H:\AIR2021\CHEM20\06JUN\02\
Data File : 0602_20.D
Acq On : 3 Jun 2021 3:40 am
Operator :
Client ID : IND CAN CERT 23335
Lab ID : IND CAN CERT 23335
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 03 06:31:21 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration



Data Path : H:\AIR2021\CHEM20\06JUN\02\
Data File : 0602_08.D
Acq On : 2 Jun 2021 7:58 pm
Operator :
Client ID : IND CAN CERT 23338
Lab ID : IND CAN CERT 23338
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 06:29:34 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration

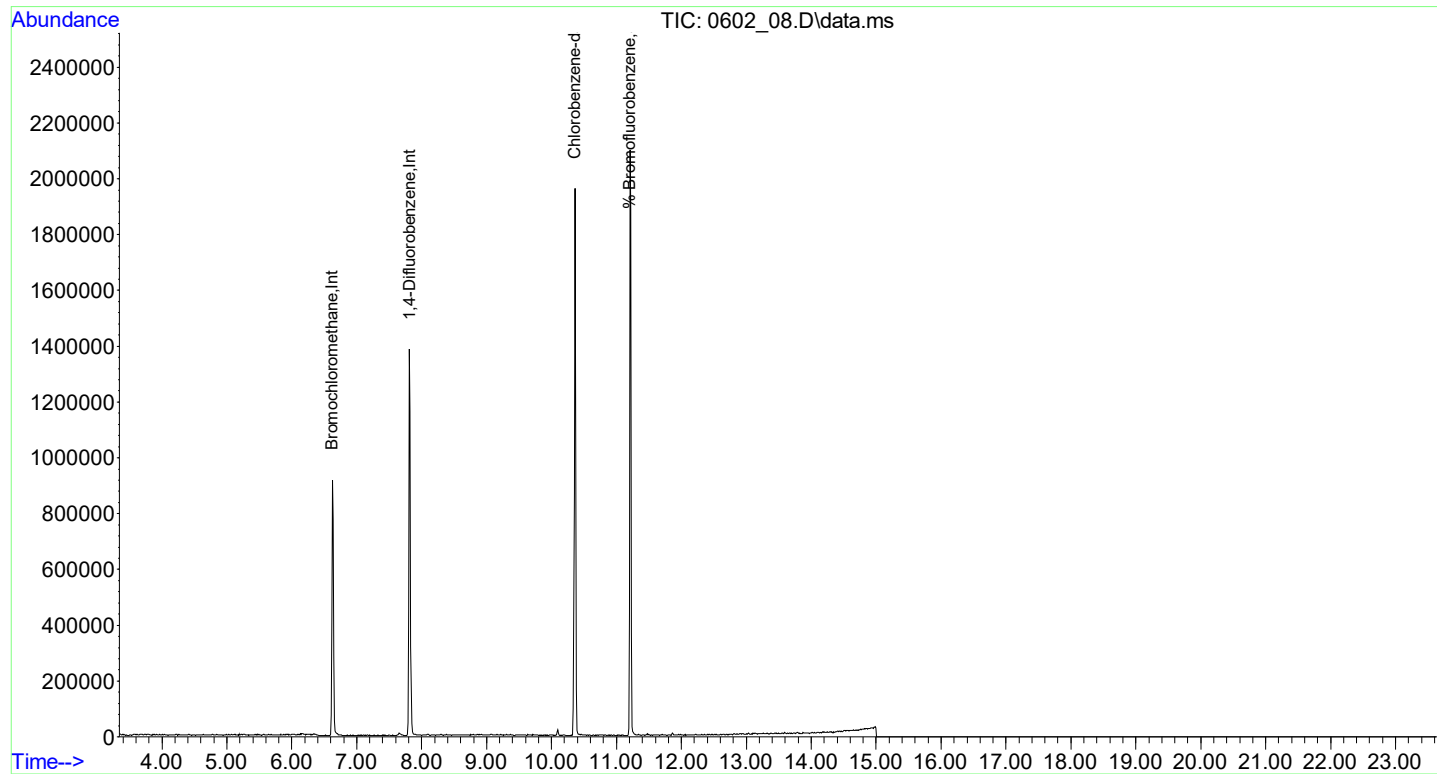
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.625	130	250218	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.811	114	907324	10.000	ng	0.00
54) Chlorobenzene-d5	10.358	82	418657	10.000	ng	0.00
81) Bromochloromethane(sim)	6.631	130	286414	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.811	114	907324	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.358	82	418657	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.208	95	541749	10.303	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	103.00%

Target Compounds Qvalue

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

Data Path : H:\AIR2021\CHEM20\06JUN\02\
Data File : 0602_08.D
Acq On : 2 Jun 2021 7:58 pm
Operator :
Client ID : IND CAN CERT 23338
Lab ID : IND CAN CERT 23338
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 03 06:29:34 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

Canister: CANBL Lab File ID: 0602_13.D

Purge Volume 200 (cc) Date Analyzed: 06/03/21

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

Data Path : H:\AIR2021\CHEM20\06JUN\02\
 Data File : 0602_13.D
 Acq On : 2 Jun 2021 11:10 pm
 Operator :
 Client ID : IND CAN CERT 28577
 Lab ID : IND CAN CERT 28577
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 03 06:30:19 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 28 08:21:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.614	130	242056	10.000	ng	-0.02
37) 1,4-Difluorobenzene	7.811	114	882520	10.000	ng	0.00
54) Chlorobenzene-d5	10.358	82	429957	10.000	ng	0.00
81) Bromochloromethane(sim)	6.620	130	280564	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.811	114	882520	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.358	82	429957	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.208	95	515554	9.547	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	95.50%

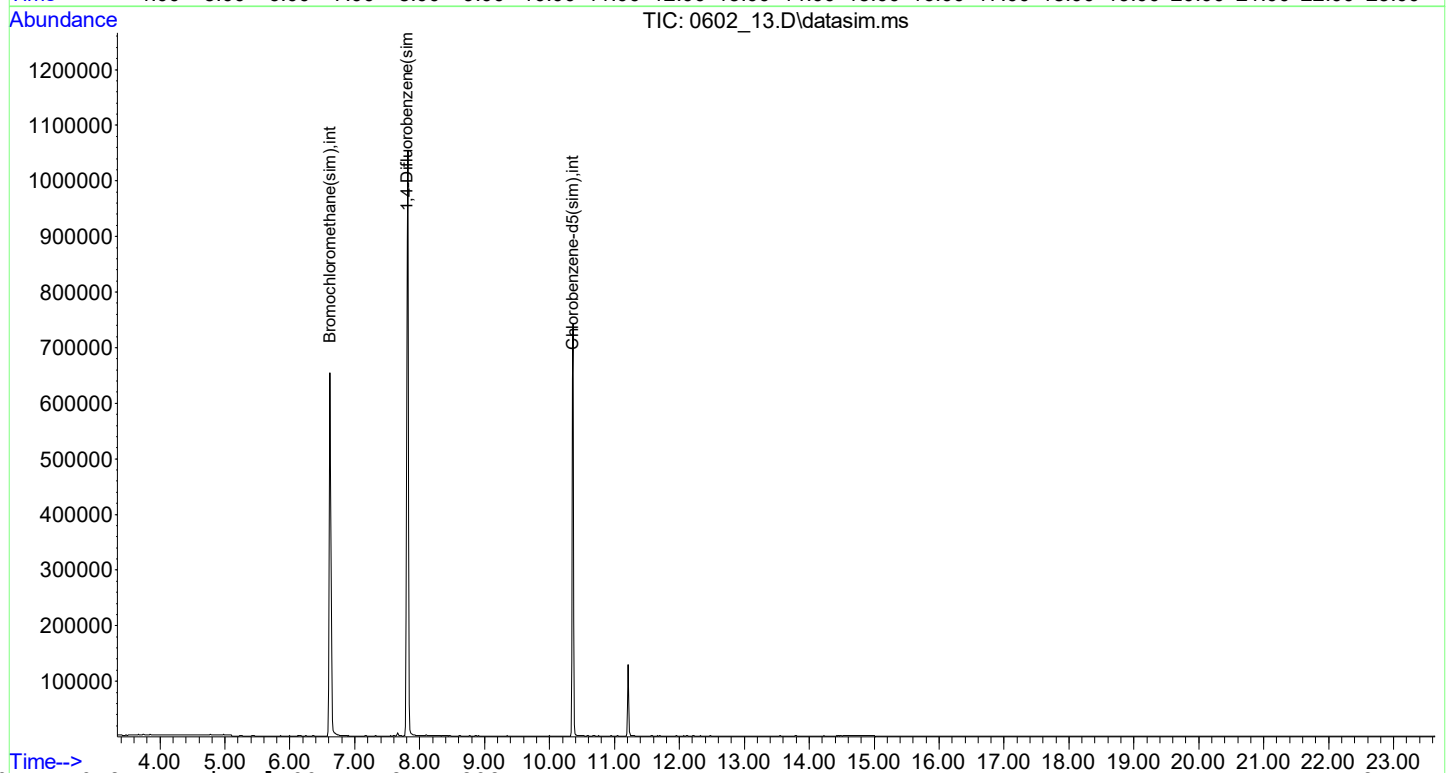
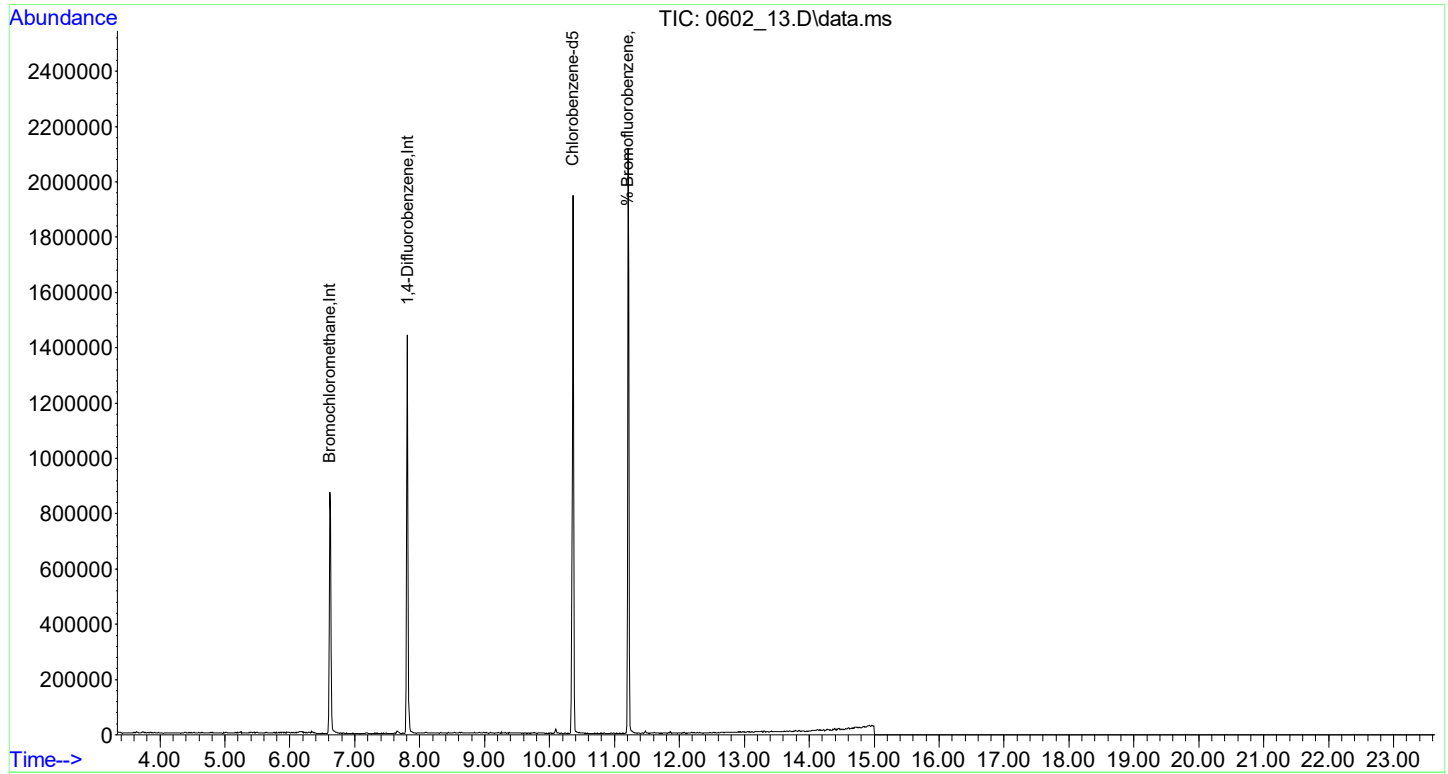
Target Compounds Qvalue

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

(QT Reviewed)

```
Data Path   : H:\AIR2021\CHEM20\06JUN\02\  
Data File   : 0602_13.D  
Acq On      : 2 Jun 2021 11:10 pm  
Operator  
Client ID   : IND CAN CERT 28577  
Lab ID      : IND CAN CERT 28577  
ALS Vial    : 13 Sample Multiplier: 1
```

Quant Time: Jun 03 06:30:19 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCI65769 Lab Sample ID: IND CAN CERT 28587

Canister: CANBL Lab File ID: 0602 15.D

Instrument: CHEM20 Column: Date Received:

Purge Volume	200	(cc)	Date Analyzed:	06/03/21
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Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

07/09/2021

Data Path : H:\AIR2021\CHEM20\06JUN\02\
Data File : 0602_15.D
Acq On : 3 Jun 2021 12:28 am
Operator :
Client ID : IND CAN CERT 28587
Lab ID : IND CAN CERT 28587
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 03 06:30:37 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration

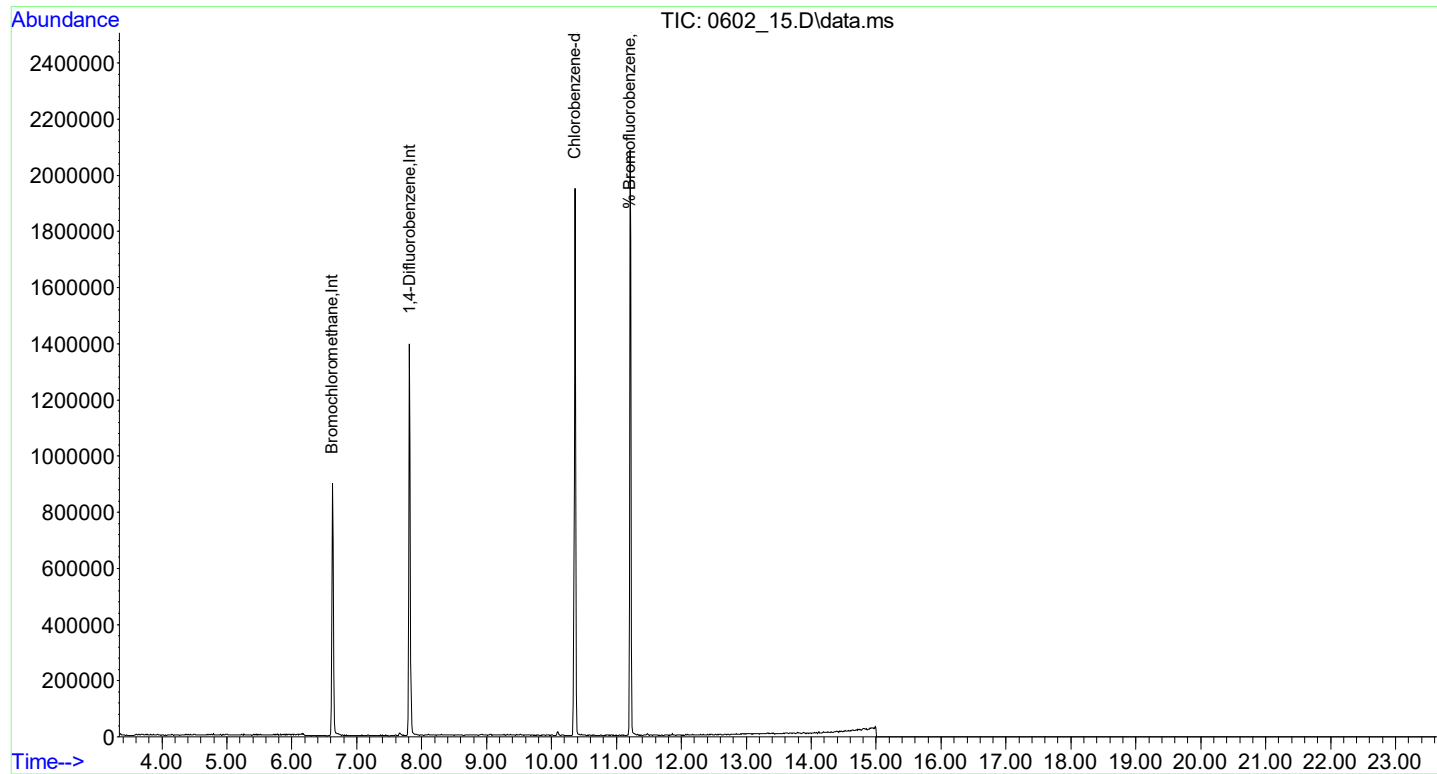
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.625	130	239086	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.811	114	868538	10.000	ng	0.00
54) Chlorobenzene-d5	10.358	82	426287	10.000	ng	0.00
81) Bromochloromethane(sim)	6.631	130	275221	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.811	114	868542	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.358	82	426287	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.208	95	516123	9.640	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.40%

Target Compounds Qvalue

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

Data Path : H:\AIR2021\CHEM20\06JUN\02\
Data File : 0602_15.D
Acq On : 3 Jun 2021 12:28 am
Operator :
Client ID : IND CAN CERT 28587
Lab ID : IND CAN CERT 28587
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 03 06:30:37 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration



Client:	<u>WALDENE-IPARK</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCI65769</u>	Lab Sample ID:	<u>IND CAN CERT 369</u>
Canister:	<u>CANBL</u>	Lab File ID:	<u>0602_14.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u> </u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/03/21</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2021\CHEM20\06JUN\02\
 Data File : 0602_14.D
 Acq On : 2 Jun 2021 11:49 pm
 Operator :
 Client ID : IND CAN CERT 369
 Lab ID : IND CAN CERT 369
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 03 06:30:28 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 28 08:21:14 2021
 Response via : Initial Calibration

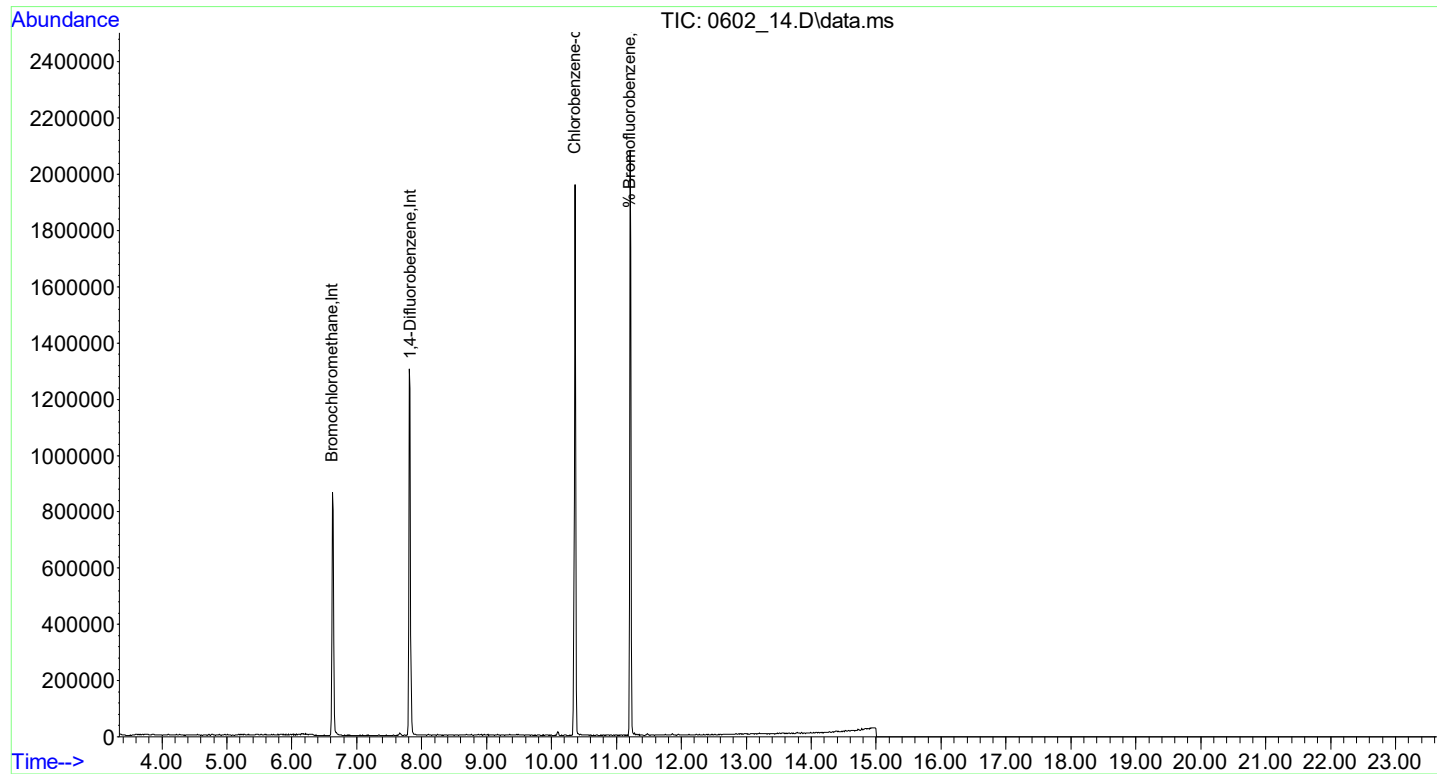
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.625	130	248249	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.822	114	899785	10.000	ng	0.01
54) Chlorobenzene-d5	10.358	82	436565	10.000	ng	0.00
81) Bromochloromethane(sim)	6.631	130	281877	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.822	114	899785	10.000	ng	0.01
106) Chlorobenzene-d5(sim)	10.358	82	436565	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.208	95	507853	9.262	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	92.60%

Target Compounds Qvalue

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

Data Path : H:\AIR2021\CHEM20\06JUN\02\
Data File : 0602_14.D
Acq On : 2 Jun 2021 11:49 pm
Operator :
Client ID : IND CAN CERT 369
Lab ID : IND CAN CERT 369
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 03 06:30:28 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI65769	Lab Sample ID:	IND CAN CERT 480
Canister:	CANBL	Lab File ID:	0602_12.D
Instrument:	CHEM20	Column:	
Purge Volume	200 (cc)	Date Analyzed:	06/03/21
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2021\CHEM20\06JUN\02\
Data File : 0602_12.D
Acq On : 2 Jun 2021 10:32 pm
Operator :
Client ID : IND CAN CERT 480
Lab ID : IND CAN CERT 480
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 03 06:30:10 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration

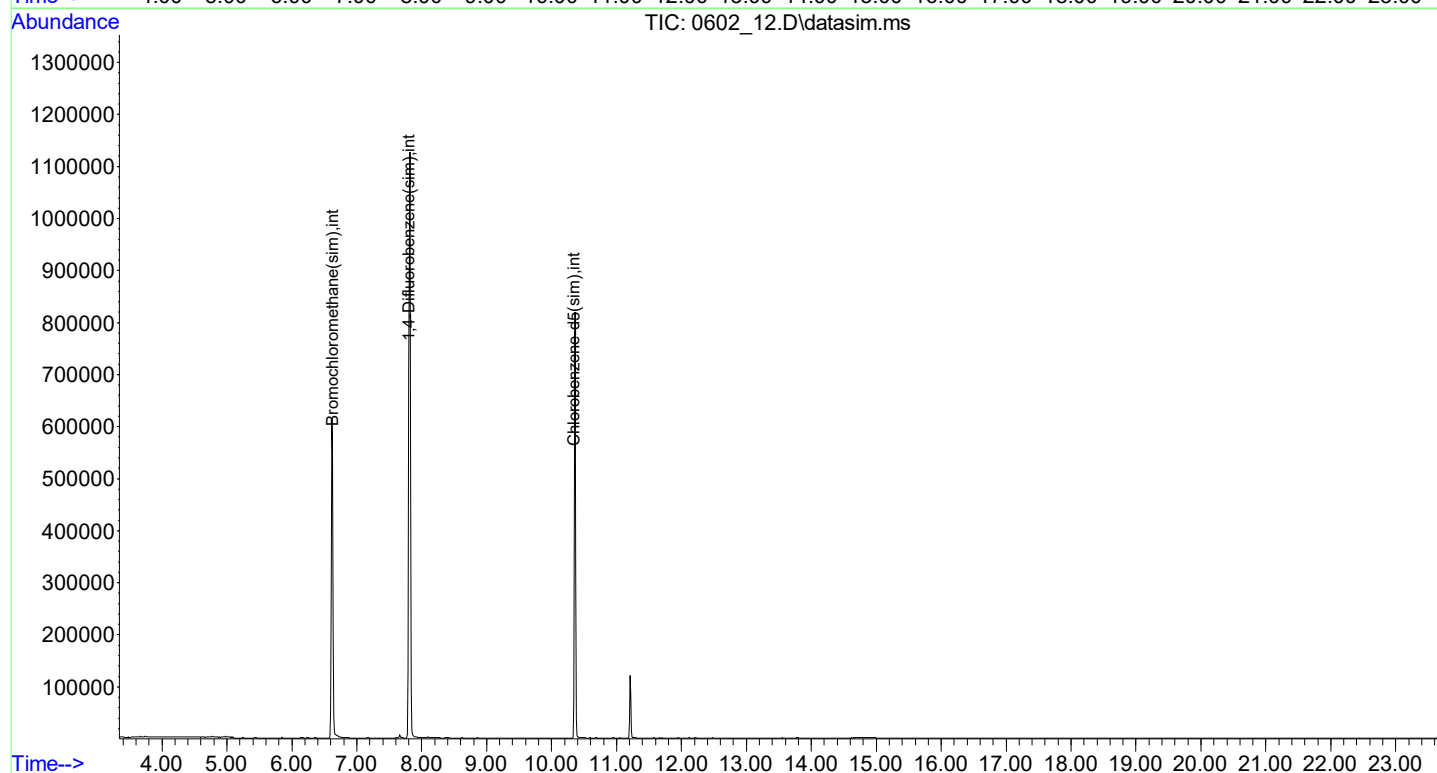
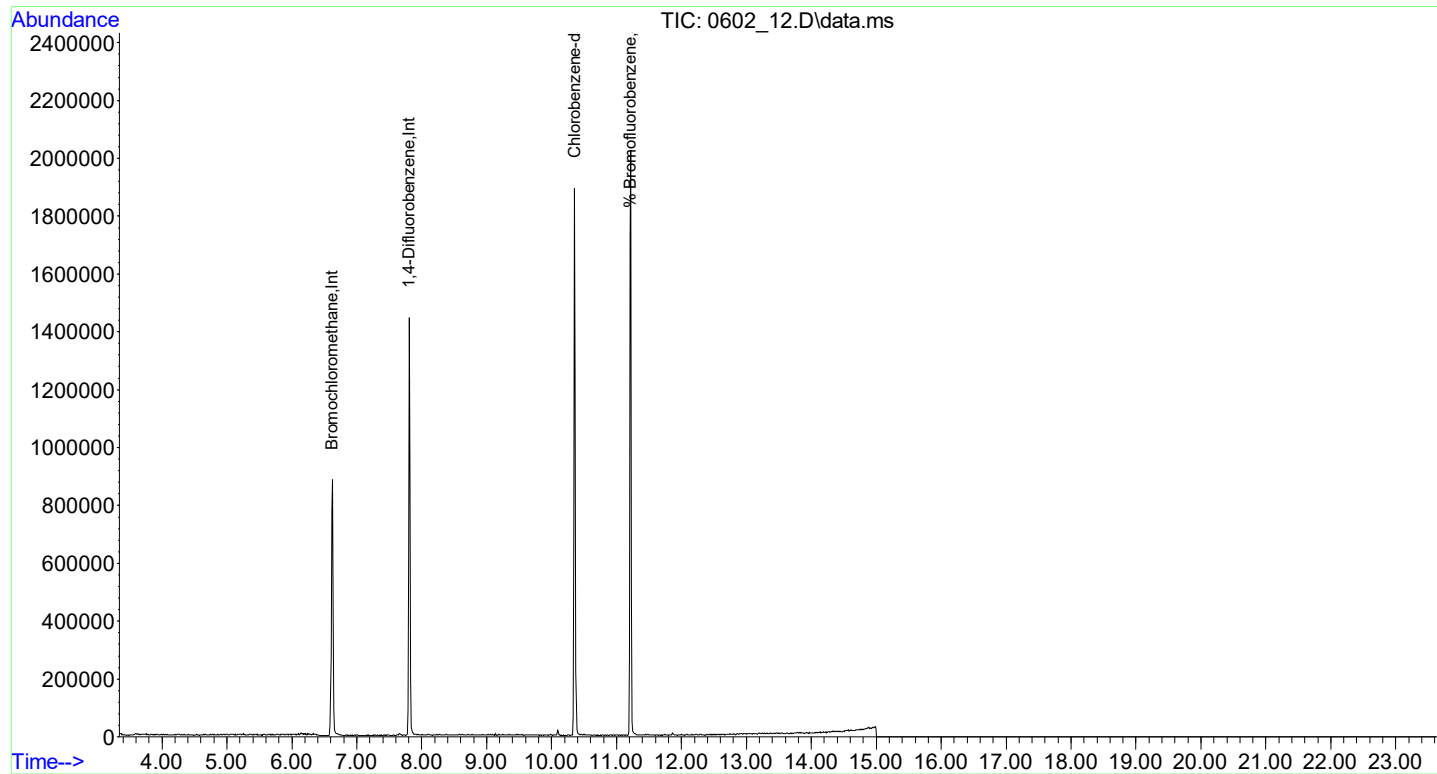
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.623	130	243140	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.809	114	873779	10.000	ng	0.00
54) Chlorobenzene-d5	10.355	82	423004	10.000	ng	0.00
81) Bromochloromethane(sim)	6.628	130	278549	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.809	114	873779	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.355	82	423004	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.216	95	504245	9.491	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	94.90%

Target Compounds Qvalue

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

Data Path : H:\AIR2021\CHEM20\06JUN\02\
Data File : 0602_12.D
Acq On : 2 Jun 2021 10:32 pm
Operator :
Client ID : IND CAN CERT 480
Lab ID : IND CAN CERT 480
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 03 06:30:10 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCI65769 Lab Sample ID: IND CAN CERT 494

Canister: CANBL Lab File ID: 0602 18.D

Instrument: CHEM20 Column: Date Received:

Purge Volume	200	(cc)	Date Analyzed:	06/03/21
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Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

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:\AIR2021\CHEM20\06JUN\02\
 Data File : 0602_18.D
 Acq On : 3 Jun 2021 2:23 am
 Operator :
 Client ID : IND CAN CERT 494
 Lab ID : IND CAN CERT 494
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 08:28:38 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 28 08:21:14 2021
 Response via : Initial Calibration

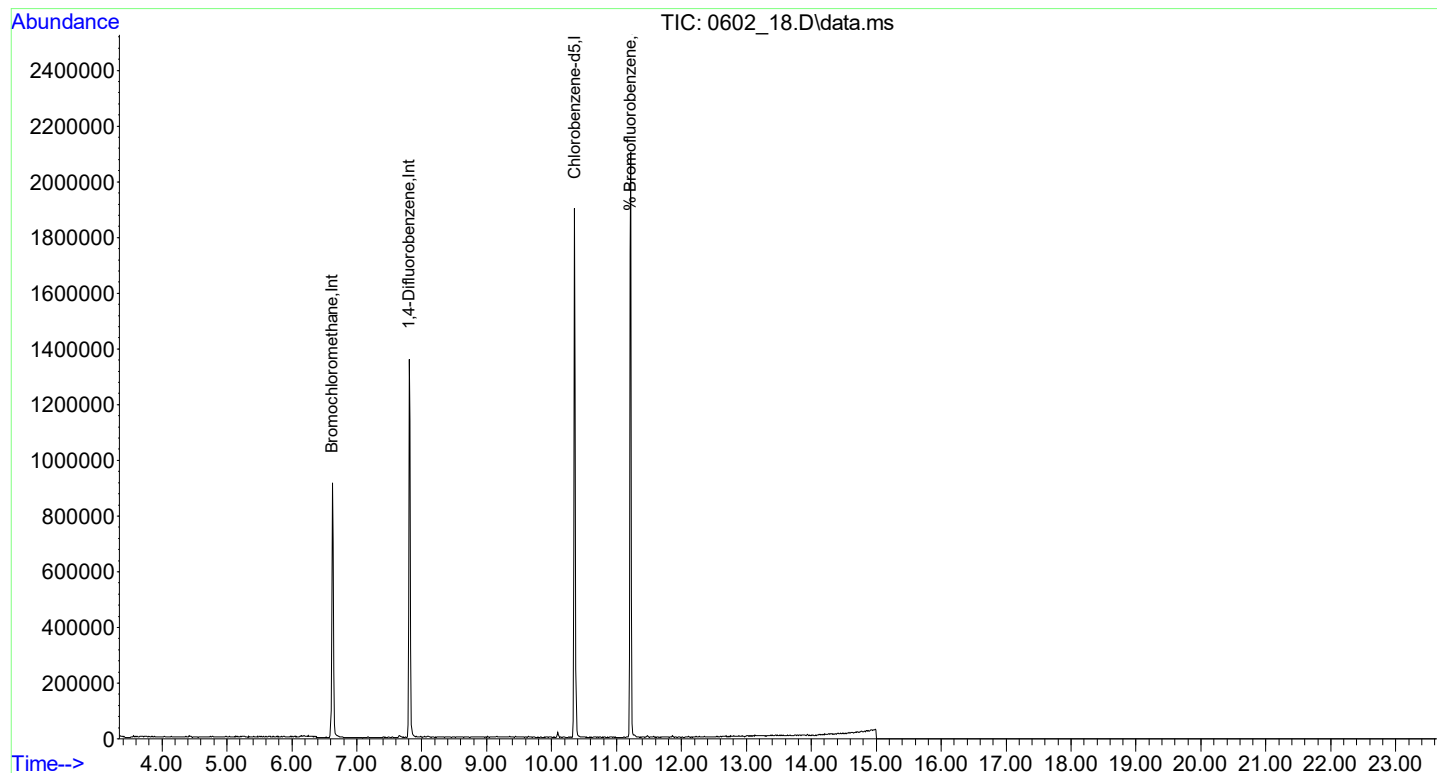
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.622	130	236187	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.808	114	868113	10.000	ng	0.00
54) Chlorobenzene-d5	10.355	82	433653	10.000	ng	0.00
81) Bromochloromethane(sim)	6.628	130	279958	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.808	114	868113	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.355	82	433653	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.216	95	514321	9.443	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	94.40%

Target Compounds Qvalue

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

Data Path : H:\AIR2021\CHEM20\06JUN\02\
Data File : 0602_18.D
Acq On : 3 Jun 2021 2:23 am
Operator :
Client ID : IND CAN CERT 494
Lab ID : IND CAN CERT 494
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 03 08:28:38 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0527.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 28 08:21:14 2021
Response via : Initial Calibration



Injection Log

Data Directory: H:\AIR2021\CHEM20\05MAY\24\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	0	0525_21.D	XXXXXXXXXX		N/A
2)	36	0524_01.D	XXXXXXXXXX		05/24/21 9:36
3)	37	0524_02.D	XXXXXXXXXX		05/24/21 10:20
4)	38	0524_03.D	XXXXXXXXXX		05/24/21 10:55
5)	37	0524_04.D	XXXXXXXXXX		05/24/21 11:31
6)	38	0524_05.D	XXXXXXXXXX		05/24/21 12:06
7)	39	0524_06.D	XXXXXXXXXX		05/24/21 12:43
8)	40	0524_07.D	XXXXXXXXXX		05/24/21 13:19
9)	41	0524_08.D	XXXXXXXXXX		05/24/21 13:55
10)	42	0524_09.D	XXXXXXXXXX		05/24/21 14:33
11)	43	0524_10.D	XXXXXXXXXX		05/24/21 15:11
12)	44	0524_11.D	XXXXXXXXXX		05/24/21 15:47
13)	45	0524_12.D	XXXXXXXXXX		05/24/21 16:25
14)	46	0524_13.D	XXXXXXXXXX		05/24/21 17:05
15)	47	0524_14.D	XXXXXXXXXX		05/24/21 17:39
16)	48	0524_15.D	XXXXXXXXXX		05/24/21 18:16
17)	49	0524_16.D	XXXXXXXXXX		05/24/21 18:53
18)	50	0524_17.D	XXXXXXXXXX		05/24/21 19:31
19)	51	0524_18.D	XXXXXXXXXX		05/24/21 20:05
20)	52	0524_19.D	XXXXXXXXXX		05/24/21 20:39
21)	53	0524_20.D	XXXXXXXXXX		05/24/21 21:16
22)	54	0524_21.D	XXXXXXXXXX		05/24/21 21:54
23)	55	0524_22.D	XXXXXXXXXX		05/24/21 22:30
24)	56	0524_23.D	XXXXXXXXXX		05/24/21 23:07
25)	57	0524_24.D	XXXXXXXXXX		05/24/21 23:44
26)	58	0524_25.D	XXXXXXXXXX		05/25/21 0:21
27)	59	0524_26.D	XXXXXXXXXX		05/25/21 0:58
28)	60	0524_27.D	XXXXXXXXXX		05/25/21 1:34
29)	61	0524_28.D	XXXXXXXXXX		05/25/21 2:11
30)	62	0524_29.D	XXXXXXXXXX		05/25/21 2:49
31)	63	0524_30.D	XXXXXXXXXX		05/25/21 3:26
32)	64	0524_31.D	XXXXXXXXXX		05/25/21 4:03
33)	65	0524_32.D	XXXXXXXXXX		05/25/21 4:40
34)	66	0524_33.D	XXXXXXXXXX		05/25/21 5:17
35)	67	0524_34.D	XXXXXXXXXX		05/25/21 5:54
36)	68	0524_35.D	XXXXXXXXXX		05/25/21 6:31
37)	69	0524_36.D	XXXXXXXXXX		05/25/21 7:08
38)	70	0524_37.D	XXXXXXXXXX		05/25/21 7:45
39)	71	0524_38.D	XXXXXXXXXX		05/25/21 8:22
40)	72	0524_39.D	XXXXXXXXXX		05/25/21 9:07
41)	73	0524_40.D	XXXXXXXXXX		05/25/21 9:51
42)	74	0524_41.D	XXXXXXXXXX		05/25/21 10:28
43)	75	0524_42.D	XXXXXXXXXX		05/25/21 11:59
44)	76	0524_43.D	XXXXXXXXXX		05/25/21 12:38
45)	77	0524_44.D	CANISTER BLK 2171	CANISTER BLK 2171	05/25/21 13:16
46)	78	0525_01.D	XXXXXXXXXX		05/25/21 13:52
47)	79	0525_02.D	XXXXXXXXXX		05/25/21 14:29
48)	80	0525_03.D	XXXXXXXXXX		05/25/21 15:07
49)	81	0525_04.D	XXXXXXXXXX		05/25/21 15:41
50)	82	0525_05.D	XXXXXXXXXX		05/25/21 16:16
51)	83	0525_06.D	XXXXXXXXXX		05/25/21 20:16
52)	84	0525_07.D	XXXXXXXXXX		05/25/21 20:55
53)	85	0525_08.D	XXXXXXXXXX		05/25/21 21:33
54)	86	0525_09.D	XXXXXXXXXX		05/25/21 22:12
55)	87	0525_10.D	XXXXXXXXXX		05/25/21 22:50
56)	88	0525_11.D	XXXXXXXXXX		05/25/21 23:29
57)	89	0525_12.D	XXXXXXXXXX		05/26/21 0:08
58)	90	0525_13.D	XXXXXXXXXX		05/26/21 0:46
59)	91	0525_14.D	XXXXXXXXXX		05/26/21 1:25
60)	92	0525_15.D	XXXXXXXXXX		05/26/21 2:04
61)	93	0525_16.D	XXXXXXXXXX		05/26/21 2:42
62)	94	0525_17.D	XXXXXXXXXX		05/26/21 3:21
63)	95	0525_18.D	XXXXXXXXXX		05/26/21 9:30
64)	96	0525_19.D	XXXXXXXXXX		05/26/21 10:08
65)	97	0525_20.D	XXXXXXXXXX		05/26/21 10:47

Injection Log

Data Directory: H:\AIR2021\CHEM20\06JUN\02\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	5	0602_01.D	XXXXXXXXXX		06/02/02 ::0
2)	2	0602_02.D	XXXXXXXXXX		06/02/21 16:10
3)	3	0602_03.D	XXXXXXXXXX		06/02/21 16:44
4)	4	0602_04.D	XXXXXXXXXX		06/02/21 17:23
5)	5	0602_05.D	IND CAN CERT 12858	IND CAN CERT 12858	06/02/21 18:02
6)	6	0602_06.D	XXXXXXXXXX		06/02/21 18:40
7)	7	0602_07.D	XXXXXXXXXX		06/02/21 19:19
8)	8	0602_08.D	IND CAN CERT 23338	IND CAN CERT 23338	06/02/21 19:58
9)	9	0602_09.D	XXXXXXXXXX		06/02/21 20:36
10)	10	0602_10.D	XXXXXXXXXX		06/02/21 21:15
11)	11	0602_11.D	XXXXXXXXXX		06/02/21 21:54
12)	12	0602_12.D	IND CAN CERT 480	IND CAN CERT 480	06/02/21 22:32
13)	13	0602_13.D	IND CAN CERT 28577	IND CAN CERT 28577	06/02/21 23:10
14)	14	0602_14.D	IND CAN CERT 369	IND CAN CERT 369	06/02/21 23:49
15)	15	0602_15.D	IND CAN CERT 28587	IND CAN CERT 28587	06/03/21 0:28
16)	16	0602_16.D	IND CAN CERT 21357	IND CAN CERT 21357	06/03/21 1:06
17)	17	0602_17.D	IND CAN CERT 23330	IND CAN CERT 23330	06/03/21 1:45
18)	18	0602_18.D	IND CAN CERT 494	IND CAN CERT 494	06/03/21 2:23
19)	19	0602_19.D	XXXXXXXXXX		06/03/21 3:01
20)	20	0602_20.D	IND CAN CERT 23335	IND CAN CERT 23335	06/03/21 3:40
21)	21	0602_21.D	XXXXXXXXXX		06/03/21 4:19
22)	22	0602_22.D	XXXXXXXXXX		06/03/21 4:55
23)	23	0602_23.D	XXXXXXXXXX		06/03/21 5:33
24)	24	0602_24.D	XXXXXXXXXX		06/03/21 7:25
25)	25	0602_25.D	XXXXXXXXXX		06/03/21 8:57
26)	26	0602_26.D	XXXXXXXXXX		06/03/21 9:35
27)	27	0602_27.D	XXXXXXXXXX		06/03/21 10:24

Injection Log

Data Directory: H:\AIR2021\CHEM24\06JUN\27\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	46	0627_01.D	XXXXXXXXXX		06/27/21 18:08
2)	47	0627_02.D	BFB TUNE	0/0 ; ISTD AIR33G	06/27/21 18:39
3)	47	0627_03.D	ICAL 0.02	0.02 ppb ; AIR34A	06/27/21 19:10
4)	48	0627_04.D	ICAL 0.035	0.035 ppb ; AIR34A	06/27/21 19:42
5)	49	0627_05.D	ICAL 0.05	0.05 ppb ; AIR34A	06/27/21 20:14
6)	50	0627_06.D	ICAL 0.1	0.10 ppb ; AIR34A	06/27/21 20:46
7)	51	0627_07.D	ICAL 0.25	0.20 ppb ; AIR34A	06/27/21 21:19
8)	52	0627_08.D	ICAL 0.5	0.50 ppb ; AIR34B	06/27/21 21:56
9)	53	0627_09.D	ICAL 2.5	2.5 ppb ; AIR34B	06/27/21 22:32
10)	54	0627_10.D	ICAL 5	5.0 ppb ; AIR34C	06/27/21 23:05
11)	55	0627_11.D	ICAL 25	25 ppb ; AIR34C	06/27/21 23:40
12)	56	0627_12.D	ICAL 40	40 ppb ; AIR34C	06/28/21 1:05
13)	57	0627_13.D	XXXXXXXXXX		06/28/21 1:36
14)	58	0627_14.D	ICAL 1	1ppb ; AIR 34B	06/28/21 2:10
15)	59	0627_15.D	ICAL 10	10ppb ; AIR34C	06/28/21 2:43
16)	60	0627_16.D	XXXXXXXXXX		06/28/21 3:20
17)	61	0627_17.D	XXXXXXXXXX		06/28/21 3:51
18)	62	0627_18.D	XXXXXXXXXX		06/28/21 4:22
19)	63	0627_19.D	XXXXXXXXXX		06/28/21 9:58
20)	64	0627_20.D	XXXXXXXXXX		06/28/21 10:30
21)	65	0627_21.D	XXXXXXXXXX		06/28/21 11:03
22)	66	0627_22.D	XXXXXXXXXX		06/28/21 11:40
23)	67	0627_23.D	XXXXXXXXXX		06/28/21 12:17
24)	68	0627_24.D	XXXXXXXXXX		06/28/21 12:53
25)	69	0627_25.D	XXXXXXXXXX		06/28/21 13:30
26)	70	0627_26.D	XXXXXXXXXX		06/28/21 14:03
27)	71	0627_27.D	XXXXXXXXXX		06/28/21 14:35
28)	72	0627_28.D	XXXXXXXXXX		06/28/21 18:37
29)	73	0627_29.D	XXXXXXXXXX		06/28/21 19:09
30)	74	0627_30.D	XXXXXXXXXX		06/28/21 19:40
31)	75	0627_31.D	XXXXXXXXXX		06/28/21 20:13
32)	76	0627_32.D	XXXXXXXXXX		06/28/21 21:31
33)	77	0627_33.D	XXXXXXXXXX		06/28/21 22:08
34)	78	0627_34.D	XXXXXXXXXX		06/28/21 22:45
35)	79	0627_35.D	XXXXXXXXXX		06/28/21 23:22
36)	83	0627_36.D	XXXXXXXXXX		06/29/21 0:18
37)	84	0629_01.D	XXXXXXXXXX		06/29/21 0:52
38)	85	0629_02.D	XXXXXXXXXX		06/29/21 2:00
39)	86	0629_03.D	XXXXXXXXXX		06/29/21 2:37
40)	87	0629_04.D	XXXXXXXXXX		06/29/21 3:08
41)	88	0629_05.D	XXXXXXXXXX		06/29/21 3:38
42)	89	0629_06.D	XXXXXXXXXX		06/29/21 4:20
43)	90	0629_07.D	XXXXXXXXXX		06/29/21 5:00
44)	91	0629_08.D	XXXXXXXXXX		06/29/21 5:32
45)	92	0629_09.D	XXXXXXXXXX		06/29/21 6:04
46)	93	0629_10.D	XXXXXXXXXX		06/29/21 6:36
47)	94	0629_11.D	XXXXXXXXXX		06/29/21 11:33
48)	95	0629_12.D	XXXXXXXXXX		06/29/21 12:28
49)	96	0629_13.D	XXXXXXXXXX		06/29/21 13:00
50)	98	0629_15.D	XXXXXXXXXX		06/29/21 13:33
51)	99	0629_16.D	XXXXXXXXXX		06/29/21 14:05
52)	100	0629_17.D	XXXXXXXXXX		06/29/21 14:41
53)	101	0629_18.D	XXXXXXXXXX		06/29/21 15:14
54)	102	0629_19.D	XXXXXXXXXX		06/29/21 15:46
55)	103	0629_20.D	XXXXXXXXXX		06/29/21 16:15
56)	104	0629_21.D	XXXXXXXXXX		06/29/21 16:47
57)	105	0629_22.D	XXXXXXXXXX		06/29/21 17:19
58)	106	0629_23.D	XXXXXXXXXX		06/29/21 17:52
59)	107	0629_24.D	XXXXXXXXXX		06/29/21 18:24
60)	108	0629_25.D	XXXXXXXXXX		06/29/21 18:56
61)	109	0629_26.D	XXXXXXXXXX		06/29/21 20:26
62)	110	0629_27.D	XXXXXXXXXX		06/29/21 21:02
63)	111	0629_28.D	XXXXXXXXXX		06/29/21 21:33
64)	112	0629_29.D	XXXXXXXXXX		06/29/21 23:04
65)	113	0629_30.D	XXXXXXXXXX		06/29/21 23:36
66)	114	0629_31.D	XXXXXXXXXX		06/30/21 0:54

Injection Log

Data Directory: H:\AIR2021\CHEM24\06JUN\30\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	1	0630_01.D	XXXXXXXXXX		06/30/21 12:12
2)	2	0630_02.D	CCAL 1 - BFB TUNE	1ppb cCal ; air34b	06/30/21 12:46
3)	3	0630_03.D	XXXXXXXXXX		06/30/21 13:19
4)	4	0630_04.D	CI65778 LCS	CI65778 LCS	06/30/21 13:55
5)	5	0630_05.D	CI65778 LCSD	CI65778 LCSD	06/30/21 14:32
6)	5	0630_06.D	XXXXXXXXXX		06/30/21 15:03
7)	7	0630_07.D	CI65778 BLANK	CI65778 BLANK	06/30/21 15:34
8)	8	0630_08.D	XXXXXXXXXX		06/30/21 20:02
9)	9	0630_09.D	IA-08	CI65769	06/30/21 20:42
10)	10	0630_10.D	IA-01	CI65770	06/30/21 21:22
11)	11	0630_11.D	IA-DUP	CI65771	06/30/21 22:02
12)	12	0630_12.D	IA-03	CI65772	06/30/21 22:43
13)	13	0630_13.D	IA-06	CI65773	06/30/21 23:23
14)	14	0630_14.D	IA-02	CI65775	07/01/21 0:03
15)	15	0630_15.D	IA-04	CI65776	07/01/21 0:43
16)	16	0630_16.D	FIELD BLANK	CI65777	07/01/21 1:24
17)	17	0630_17.D	IA-05	CI65778	07/01/21 2:13
18)	18	0630_18.D	IA-05 DUP	CI65778 DUP	07/01/21 2:53
19)	19	0630_19.D	IA-07	CI65779	07/01/21 3:38
20)	20	0630_20.D	AA-01	CI65774	07/01/21 4:18
21)	21	0630_21.D	XXXXXXXXXX		07/01/21 4:57
22)	22	0630_22.D	XXXXXXXXXX		07/01/21 5:29
23)	23	0630_23.D	XXXXXXXXXX		07/01/21 8:43
24)	24	0630_24.D	XXXXXXXXXX		07/01/21 9:14
25)	25	0630_25.D	XXXXXXXXXX		07/01/21 9:46
26)	26	0630_26.D	XXXXXXXXXX		07/01/21 10:18
27)	27	0630_27.D	XXXXXXXXXX		07/01/21 10:50
28)	28	0701_01.D	XXXXXXXXXX		07/01/21 11:39
29)	29	0701_02.D	XXXXXXXXXX		07/01/21 12:11
30)	30	0701_03.D	XXXXXXXXXX		07/01/21 12:46
31)	31	0701_04.D	XXXXXXXXXX		07/01/21 13:17
32)	32	0701_05.D	XXXXXXXXXX		07/01/21 13:48
33)	33	0701_06.D	XXXXXXXXXX		07/01/21 14:21
34)	34	0701_07.D	XXXXXXXXXX		07/01/21 14:57
35)	35	0701_08.D	XXXXXXXXXX		07/01/21 15:34
36)	36	0701_09.D	XXXXXXXXXX		07/01/21 16:10
37)	37	0701_10.D	XXXXXXXXXX		07/01/21 18:32
38)	38	0701_11.D	XXXXXXXXXX		07/01/21 19:09
39)	39	0701_12.D	XXXXXXXXXX		07/01/21 19:41
40)	40	0701_13.D	XXXXXXXXXX		07/01/21 20:13
41)	41	0701_14.D	XXXXXXXXXX		07/01/21 20:46
42)	42	0701_15.D	XXXXXXXXXX		07/01/21 21:22
43)	43	0701_16.D	XXXXXXXXXX		07/01/21 21:59
44)	44	0701_17.D	XXXXXXXXXX		07/02/21 0:39
45)	45	0701_18.D	XXXXXXXXXX		07/02/21 1:11
46)	46	0701_19.D	XXXXXXXXXX		07/02/21 9:02
47)	47	0701_20.D	XXXXXXXXXX		07/02/21 9:39
48)	48	0701_21.D	XXXXXXXXXX		07/02/21 10:10
49)	50	0701_23.D	XXXXXXXXXX		07/02/21 10:43
50)	51	0701_24.D	XXXXXXXXXX		07/02/21 11:17

APPENDIX E
DATA USABILITY SUMMARY REPORT (SEPTEMBER 2021)

**BUILDING 200 (320) LA MILPA SPACE
INDOOR AIR QUALITY SAMPLING
DATA USABILITY SUMMARY REPORT**

AT

**IPARK 84
FORMER IBM EAST FISHKILL FACILITY**

SEPTEMBER 2021

PREPARED FOR:

**JESSICA LACLAIR
NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION
DEPT. OF ENVIRONMENTAL REMEDIATION
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WALDEN ENVIRONMENTAL ENGINEERING, PLLC
Industry Leader in Environmental Engineering Consulting

———— PROACTIVE SOLUTIONS SINCE 1995 ————

Data Usability Summary Report

Indoor Air Quality Investigation
iPark 84, Former IBM East Fishkill Facility
Building 200 (formerly Building 320) – La Milpa Space

This Data Usability Summary Report (DUSR) has been prepared to validate the results of indoor air quality (IAQ) testing conducted at Building 200 (Formerly 320) in the space to be occupied by La Milpa, a food manufacturer. This sampling was conducted on June 29, 2021, in order to verify that IAQ is acceptable before La Milpa takes occupancy and begins operations. Walden performed the IAQ testing in accordance with the RCRA Facility Investigation (RFI) VOC Source Assessment Work Plan (RFI Work Plan, prepared on behalf of IBM) dated June 15, 2009, by Sanborn, Head Engineering, PC; and Walden's Pre-Occupancy IAQ Testing Plan letter (Testing Plan, dated February 18, 2021), which was approved by NYSDEC on April 7, 2021.

A summary of the La Milpa IAQ sampling results was submitted to NYSDEC and NYSDOH in a report dated July 13, 2021. The State's review of this summary and approval for occupancy is pending.

This DUSR has been prepared in accordance with NYSDEC Draft DER-10 Appendix 2B – Guidance for Data Deliverables and the Development of Data Usability Summary Reports. The DUSR provides a thorough evaluation of analytical data without using the services of an independent third-party data validator. The primary objective of the DUSR is to determine whether or not the data presented meets project specific criteria for data quality and use.

The analytical data was evaluated by Lathika Varanasi (Walden), whose experience and qualifications to prepare the DUSR for this project are presented in the attached resume (see Attachment A). The air samples collected for laboratory analysis were submitted to Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, Connecticut, a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory (NY Lab Registration #11301), and analyzed for volatile organic compounds (VOCs) via modified EPA Method TO-15 (full list) to achieve lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride. The IAQ sample reporting limits are set forth in the NYSDEC-approved testing plan approved on April 7, 2021.

The DUSR process consisted of evaluating the analytical data package produced by Phoenix and answering the following questions.

1. Were there any deviations in the sampling protocol which deviated from established sampling procedures?

The air samples were collected in laboratory provided individually certified, 6-liter Summa[®] canisters equipped with individually certified flow regulators. The regulators were calibrated by the laboratory for a sampling period of 8 hours; this sampling duration was chosen in accordance with NYSDOH guidance for indoor air sampling of a commercial workspace with a single shift, to reflect the typical exposure scenario. The regulators served to maintain flow rates below the required maximum rate of 0.2 liters (200 milliliters) per minute during the sampling period to minimize outdoor air infiltration.

2. Is the data package complete as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?

The sampling and analytical program outlined in the *Building 200 (Formerly Building 320) – La Milpa Pre-Occupancy Indoor Air Quality Testing Plan* was designed to conform to the NYSDEC ASP Category B and USEPA CLP deliverables criteria. Both field sampling and laboratory analytical activities were performed with built-in QA/QC programs. One (1) duplicate sample was collected in relation to eight (8) indoor samples and one (1) outdoor air sample. The analytical laboratory (Phoenix) included method blanks and batch QA/QC samples as part of their standard QA/QC program. Additionally, the samples were handled in compliance with the holding time allowances.

3. Have all holding times been met?

Times of sample receipt, extraction, and analysis have been evaluated to determine whether the holding time specifications have been met. All of the samples were analyzed within the specified holding times.

4. Do all 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?

All of the primary sample and QC data were reviewed. Duplicate sample analysis demonstrated a reasonable level of accuracy in the analytical results. Although there were a few QA/QC data outliers with respect to compliance to protocol-required criteria, all other QA/QC acceptance criteria were met and the reliability of the laboratory results should not be affected.

5. Have all the data been generated using established and agreed upon analytical protocols?

Laboratory analytical protocols have been developed by the USEPA and are published in USEPA Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15 (Second Edition, January 1999). The review of the laboratory deliverables indicated that the analytical data for this project was generated following these standard protocols.

6. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

An evaluation of the raw data confirmed the accuracy and reliability of the results provided in the data summary sheets and the quality control verification forms included in the analytical data package prepared by the laboratory.

7. Have the correct data qualifiers been used?

The laboratory provided a list of qualifiers used in their data reporting. QC failures such as potential sample contamination by laboratory solvents or estimation of sample result values due to analyte concentrations detected above calibration ranges were checked back to the reported data to determine whether the qualifiers were properly used. The evaluation indicated that the laboratory flagged the data using the correct data qualifiers when necessary. The data qualifiers comply with the NYSDEC Analytical Services Protocol (ASP) 95 revised guidelines.

8. Have the minimum reporting limits been met?

The minimum reporting limits specified in the NYSDEC approved *Building 200 (Formerly Building 320) – La Milpa Pre-Occupancy Indoor Air Quality Testing Plan* are as follows:

ANALYTE LIST	MINIMUM REPORTING LIMIT (ug/m³)
1,1,1-Trichloroethane	1.1
1,1-Dichloroethene	0.8
1,2,4-Trichlorobenzene	7.4
1,2-Dichlorobenzene	1.2
1,3-Dichlorobenzene	1.2
1,4-Dichlorobenzene	1.2
Acetone	2.4
Benzene	0.64
Carbon Tetrachloride	0.2
Chlorobenzene	0.92

Cis-1,2-Dichloroethene	0.8
Dichlorodifluoromethane	1.0
Ethylbenzene	0.86
m,p-Xylene	0.86
Methylene Chloride	1.4
o-Xylene	0.86
Tetrachloroethene	1.4
Toluene	0.77
Trichloroethene	0.22
Trichlorofluoromethane	1.1
Trichlorotrifluoroethane	1.5
Vinyl Chloride	0.06

All reportable VOCs meet the minimum required reporting limits for all samples collected in the La Milpa space at Building 200 (formerly Building 320) on June 29, 2021.

Summary

In summary, the analytical data package review conducted while preparing this DUSR found that no significant data deficiencies, analytical protocol deviations, or quality control problems impacted the quality of the data. No significant QC exceedances were identified and it was determined that the data should not be rejected.

Prepared by:



Lathika Varanasi, Ph.D.

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Attachment A

Resume of Environmental Professional



Lathika Varanasi, Ph.D. Project Engineer



Project Engineer with experience in energy recovery/energy auditing of water and wastewater treatment facilities, wastewater treatment and renewable energy. She also has a strong background in environmental remediation, technical writing, techno-economic feasibility studies, engineering data analysis, analytical and organic chemistry.

EDUCATION

Ph.D. in Environmental Engineering, Michigan Technological University

LICENSES/ CERTIFICATIONS

NYSDEC 4-Hour
Erosion and Sediment
Control Training

Confined Space
Trained General
Industry

NFPA 70E: Standard
for Electrical Safety in
the Workplace

OSHA 10 Hour
General Industry

OSHA 40 Hour
HAZWOPER

SELECTED RELEVANT EXPERIENCE

- **Energy optimization of Water and Wastewater Treatment Plants:** Conducted energy consumption and process evaluations for equipment and process systems of water and wastewater treatment facilities and associated Combined Heat and Power (CHP) systems. Developed energy efficiency funding applications and quantified energy savings associated with treatment and process equipment as well as lighting and HVAC systems of water and wastewater treatment facilities. Developed energy conservation measures and provided recommendations for alternative low energy technologies for the upgrade of process operations and performances of water and wastewater treatment facilities. Created operation and maintenance manuals for water and wastewater treatment facilities.
- **Environmental Impact Assessment:** Evaluated sustainability, techno-economic feasibility of solar energy systems and analyzed energy consumption data to optimize energy efficiency for clients.
- **Energy optimization of Sewage Treatment Plants:** Established potential areas of energy optimization through data analysis of the unit processes of sewage treatment plants (STP), including pumps, blowers and compressors. Developed technical summaries of STP facilities' site operating manuals. Designed a template with the layout of unit processes of a sewage treatment plant and highlighted segments of high energy consumption for the stakeholders.
- **Wastewater Treatment:** Designed bench scale UV/Advanced Oxidation Processes (UV/AOPs) and investigated transformation of dissolved organic matter (DOM) of secondary effluent wastewater in the UV/AOPs. Characterized DOM transformation using ultra-high-resolution mass spectrometer. Identified specific low-molecular weight organic acids and chlorinated by-products formed due to interaction of DOM with UV/AOPs. Analyzed the role of DOM in reducing the treatment efficiency of UV-AOPs. Developed methods for the application of analytical chemistry instruments for data analysis. Prepared research reports, grant proposals, research proposals and journal articles.
- **Renewable Energy Applications:** Identified, analyzed and applied renewable and energy efficient technologies (Solar, Biomass, Biogas, Solar-LED) for industrial and community use. Made site visits to evaluate clients' operations and provided appropriate recommendations based on clients' requirements and project viability. Prepared detailed project reports, presentations, techno-economic feasibility studies and financial projections. Secured funds for renewable energy projects in rural areas by applying for seed grants.

ATTACHMENT A

FIGURE C-8 FROM THE 2009 RFI WORK PLAN

Figure C-8
Building 320A Layout

RFI Work Plan
VOC Source Assessment
IBM East Fishkill Facility
Hopewell Junction, New York

Drawn By: E. Wright
Designed By: R. Cook
Reviewed By: B. Green
Date: June 2009

Figure Narrative

This figure shows the layout of the ground floor level of Building 320A and the locations and results of 2007 indoor air sampling. Solvent-related Solid Waste Management Unit (SWMU) locations were obtained from a plan provided by IBM entitled "Map 1 Solid Waste Management Unit Location Map", last revised May 1995, and should be considered approximate.

Legend

2007 Indoor air sample location. Concentrations in ug/m3. ND indicates the compound was not detected above the laboratory reporting limit of about 0.5 ug/m3.

