



June 26, 2020
Kleinfelder Project No. 20202886.001A

Mr. Wayne Mancroni
Central Hudson Gas & Electric Corp.
284 South Avenue
Poughkeepsie, New York 12601

**RE: Little Britain Road Service Center –
Sub-Slab Depressurization System and Air Sampling Report**
610 Little Britain Road
New Windsor, New York 12553
NYSDEC BCA# C336031

Dear Mr. Mancroni:

Kleinfelder, Inc. (Kleinfelder) is pleased to submit to Central Hudson Gas & Electric Corporation (CHGE) the results of the fourth round of sub-slab depressurization system (SSDS) and air sampling performed at the CHGE Little Britain Road Service Center (the Site) located at 610 Little Britain Road, New Windsor, New York (**Figure 1**). The scope of work and sampling methods were prepared and performed in general accordance with the New York State Department of Health (NYSDOH) *October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, 2006) and May 2019 *Sub-Slab Depressurization System Evaluation Work Plan*, prepared by Kleinfelder.

The sampling effort was performed to further evaluate the condition of sub-slab vapor and indoor air at the Site as compared to the three prior sampling events conducted in January and March of 2020. This report describes the methodology and results of the subsequent sampling event performed by Kleinfelder in May 2020.

SITE ACTIVITIES

FOURTH ROUND – MAY 31, 2020

The fourth round of SSDS, indoor air (IA), and outdoor air (OA) sampling activities was performed on May 31, 2020 by Kleinfelder personnel. The SSDS again remained operational during the full duration of this sampling event. A total of 28 air samples (including quality control samples) were collected during the May 31st event as follows:

- 10 IA samples;
- 3 OA samples;
- 8 Extraction Well (EW, sub-slab) samples;
- 3 BLOWER (effluent) samples; and
- 4 QA/QC samples.

Each air and soil vapor sample was collected using six-liter, batch-certified SUMMA® canisters equipped with a vacuum gauge and flow regulator. The samples were collected at an approximate 12.5 milliliter per minute flow rate over eight hours. Similar to the events of the third

round of sampling, it was observed that the sampling equipment installed at several EW sample locations and all BLOWER sample locations were not overcoming the vacuum of the SSDS. In order to collect a usable sample volume, the 8-hour regulator was exchanged for an alternative regulator set to an approximate flow rate of 100 milliliters per minute over 1 hour, which increased the draw pressure. Samples collected using the alternative 1-hour regulator were EW-1, EW-3, EW-4, EW-5, EW-5D (duplicate sample of EW-5), BLOWER 3, and BLOWER 3D. Four of the sample locations continued to exhibit difficulties overcoming the vacuum after the installation of the alternative 1-hour regulators. As such, a discrete grab sample was collected from each of these four sample locations: EW-2, EW-6, BLOWER 1, and BLOWER 2. Note that samples collected from EW-7 and EW-8, as well as all indoor and outdoor air samples, were collected over an eight-hour period consistent with previous events. The discrete grab samples were collected by bypassing the regulator and connecting the sample tubing directly to the SUMMA® canister. The discrete grab sample was collected over an approximate period of five minutes to achieve an acceptable sample collection vacuum pressure within the canisters.

Four duplicate samples were collected, with one sample being collected from each sample stream (i.e., indoor air, outdoor air, extraction well, and blower). For duplicates collected from the IA and OA sampling streams, duplicate samples were collected at the same height and adjacent location to the parent sample. For duplicates collected from the EW and BLOWER sampling streams, a T-connection was used to connect the two SUMMA® canisters to collect concurrent samples. Sample locations were selected in accordance with the May 2019 *Sub-Slab Depressurization System Evaluation Work Plan*. Sample locations are depicted on **Figures 2 and 3**.

Each sample collected during the May 31st event was submitted for volatile organic compound (VOC) analysis via United States Environmental Protection Agency (USEPA) Method TO-15 to Phoenix Analytical Laboratory in Manchester, Connecticut (NELAP #NY11301).

NYSDOH BUILDING ASSESSMENTS

During the fourth round of sampling activities, Kleinfelder personnel performed a building assessment and documented the assessment on the Indoor Air Quality Questionnaire and Building Inventory Form in accordance with the NYSDOH guidance. The assessment, indoor air quality questionnaire, and building inventory form were completed to identify potential preferential pathways for soil vapor intrusion into the building, identify indoor sources of VOCs that could potentially influence the sample analytical results, and identify routes of air distribution within the building (e.g., HVAC system operations, airflow operations, etc.). The chemical inventory and photograph log for the fourth round of sampling are presented in **Appendix A**.

SAMPLE RESULTS

Indoor air and ambient air sample analytical results for the four rounds of sampling (the January 2020 sampling event, the two March 2020 sampling events, and the May 2020 sampling event) are summarized in **Table 1**. Sub-slab soil vapor and air sample analytical results for the four rounds of sampling are summarized in **Table 2**. Laboratory analytical reports are provided in **Appendix C**. A Data Validation Report (DVR) for the fourth round of analytical results, completed by a Kleinfelder data quality chemist, is provided in **Appendix D**. Sample locations are depicted on **Figures 2 and 3**. Note that ethanol, commonly detected due to its use in the laboratory, was observed in several samples. However, ethanol does not have an associated standard or guidance value and thus is not included in the associated tables.

Analytical results from the EW and IA samples were compared to the NYSDOH Soil Vapor/Indoor Air Decision Matrices A, B, and C, as outlined in the *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, revised May 2017. These matrices focus on eight (8) key compounds included within the analyte list of USEPA Method TO-15:

- Matrix A provides screening values for trichloroethene (TCE), cis-1,2 dichloroethene (cis-1,2 DCE), 1,1-dichloroethene (1,1-DCE), and carbon tetrachloride;
- Matrix B provides screening values for tetrachloroethene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), and methylene chloride; and
- Matrix C provides screening values for vinyl chloride.

These screening matrices are provided below. The complete NYSDOH Decision Matrices document is provided in **Appendix B**.

NYSDOH Soil Vapor/Indoor Air Decision Matrix A
(for TCE, cis-1,2 DCE, 1,1-DCE, and carbon tetrachloride only)

Sub-slab Vapor Concentration of Compound ($\mu\text{g}/\text{m}^3$)	Indoor Air Concentration of Compound ($\mu\text{g}/\text{m}^3$)		
	< 0.2	0.2 to < 1	1 and above
< 6	No Further Action	No Further Action	IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	No Further Action	MONITOR	MITIGATE
60 and above	MITIGATE	MITIGATE	MITIGATE

$\mu\text{g}/\text{m}^3$: micrograms per cubic meter

NYSDOH Soil Vapor/Indoor Air Decision Matrix B
(for PCE, 1,1,1-TCA, and methylene chloride only)

Sub-slab Vapor Concentration of Compound ($\mu\text{g}/\text{m}^3$)	Indoor Air Concentration of Compound ($\mu\text{g}/\text{m}^3$)		
	< 3	3 to < 10	10 and above
< 100	No Further Action	No Further Action	IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
100 to < 1,000	No Further Action	MONITOR	MITIGATE
1,000 and above	MITIGATE	MITIGATE	MITIGATE

$\mu\text{g}/\text{m}^3$: micrograms per cubic meter

NYSDOH Soil Vapor/Indoor Air Decision Matrix C
(for vinyl chloride only)

Sub-slab Vapor Concentration of Compound ($\mu\text{g}/\text{m}^3$)	Indoor Air Concentration of Compound ($\mu\text{g}/\text{m}^3$)	
	< 0.2	0.2 and above
< 6	No Further Action	IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	MONITOR	MITIGATE
60 and above	MITIGATE	MITIGATE

$\mu\text{g}/\text{m}^3$: micrograms per cubic meter

Of the compounds assessed by NYSDOH Matrix A, 1,1-DCE was present in one sample collected during the January event (EW-2), one sample collected during the March 7th event (EW-3), two samples collected during the March 21st event (EW-2 and EW-3), and two samples collected during the May 31st event (EW-2 and EW-6). All detections of 1,1-DCE were at concentrations below the NYSDOH action levels.

Carbon tetrachloride was present in all extraction well/indoor air (EW/IA) sample pairs collected during all four events, and in all analyzed outdoor air samples. As such, carbon tetrachloride in air may be ubiquitous in this area, and not resulting from soil or groundwater impacts. Of the concentrations of carbon tetrachloride observed during the four events, one sample pair collected during the March 21st event (EW-2/IA-2) exhibited concentrations which would trigger a NYSDOH recommended action (Monitor). All sample pairs identified during the May 31st event exhibited concentrations below the NYSDOH action levels.

During the prior three events, cis-1,2 DCE was present in the EW-3 sample at concentrations triggering NYSDOH recommended actions. During the May 31st event, cis-1,2-DCE was detected in five samples (EW-1, EW-2, EW-4, EW-5, and EW-5D). All concentrations of cis-1,2-DCE observed during the May 31st event were detected at concentrations below the NYSDOH action levels.

TCE was present in several EW/IA sample pairs at concentrations triggering NYSDOH recommended actions, as presented below.

As previously discussed, several of the EW samples (EW-1, EW-3, EW-4, EW-5, and EW-5D) were collected using the alternative 1-hour regulators and two EW samples (EW-2 and EW-6) were collected as discrete grab samples during the May 31st sampling event. The discrete grab samples were collected over a sampling interval of approximately five minutes.

Table A. Recommended NYSDOH Action for Trichloroethene

Matrix A: Recommended Actions for TCE								
	January 5 th , 2020		March 7 th , 2020		March 21 st , 2020		May 31 st , 2020	
Sample ID	Results (µg/m ³)	Rec. Action	Results (µg/m ³)	Rec. Action	Results (µg/m ³)	Rec. Action	Results (µg/m ³)	Rec. Action
IA-1	0.20	Monitor	0.43	No Further Action	ND (0.20)	No Further Action	ND (0.20)	No Further Action
EW-1	18		0.45		ND (0.20)		17 ⁺	
IA-2	ND (0.19)	Mitigate	ND (0.19)	No Further Action	ND (0.20)	Mitigate	ND (0.20)	Mitigate
EW-2	87		1.2		135 [*]		65 [*]	
IA-3	0.21	Monitor	0.22	Monitor	0.23	Mitigate	0.79	No Further Action
EW-3	44		40		128 [*]		1.42 ⁺	
IA-4	0.26	Monitor	0.19	No Further Action	0.54	Monitor	0.51	Monitor
EW-4	52		0.49		32.1 [*]		50.4 ⁺	
IA-5	0.25	Monitor	0.30	No Further Action	ND (0.20)	No Further Action	ND (0.20)	No Further Action
EW-5	35		0.25		41.6 [*]		40.5 ⁺	
IA-6	2.3	Mitigate	3.6	Identify Source	3.22	Mitigate	4.82	Mitigate
EW-6	15		4.0		10.7 [*]		35 [*]	
IA-7	0.26	Monitor	0.42	Monitor	ND (0.20)	No Further Action	ND (0.20)	No Further Action
EW-7	6.3		6.1		ND (0.20)		2.03	
IA-8	0.26	No Further Action	0.42	No Further Action	0.35	No Further Action	ND (0.20)	No Further Action
EW-8	0.52		0.68		ND (0.20)		0.39	

ND: Non-Detect

µg/m³: micrograms per cubic meter

*: Results of the discrete grab samples collected during the March 21 and May 31, 2020 sampling events

⁺: Results of the 1-hour regulator samples collected during the May 31, 2020 sampling event

These recommended actions are described in the *NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York* as the following:

IDENTIFY SOURCE:

“We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.” (NYSDOH, 2017).

MONITOR:

“We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site -, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposure related to soil vapor intrusion until contaminated environmental media are remediated.” (NYSDOH, 2017).

MITIGATE:

"We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated." (NYSDOH, 2017).

Of the compounds assessed by NYSDOH Matrix B, PCE was present within several EW/IA sample pairs during the four sampling events at concentrations below the NYSDOH action levels. One sample pair collected during the March 7th event (EW-6/IA-6) had elevated PCE concentrations triggering a NYSDOH recommended action (Identify Source), however these concentrations decreased during the March 21st sampling event to below the NYSDOH action levels and remained below the action levels during the May 31st sampling event. During the prior three sampling events, 1,1,1-TCA and methylene chloride were present within several EW/IA sample pairs at concentrations below their respective NYSDOH action levels. 1,1,1-TCA was detected in one sample during the May 31st sampling event (EW-2) at concentrations below the NYSDOH action level. Methylene chloride was not detected during the May 31st sampling event.

The compound assessed by NYSDOH Matrix C, vinyl chloride, was present in EW-2 during the January event and March 21st event, but at a concentration below the NYSDOH action level. Vinyl chloride was also detected in IA-7 during the March 7th sampling event at a concentration triggering a NYSDOH recommended action (Identify Source); however, the concentration observed in IA-7 decreased during the March 21st sampling event to below the NYSDOH action levels. No detections of vinyl chloride were observed during the May 31st sampling event.

The analytical results from the IA samples collected during the event were also compared to the most recent USEPA Regional Screening Levels (RSLs) as they apply to composite worker indoor air quality (November 2019). These screening levels are calculated by the USEPA to assess the target cancer risk (TR) and noncancer hazard index (HI) for a worker exposed to an ambient concentration for a standard 8-hour workday. Four compounds (1,2-dichloroethane, benzene, ethylbenzene, and trichloroethylene) were detected in one or more samples collected during one or more of the three sampling events at concentrations which exceed the USEPA RSLs when compared to the RSL Composite Worker Air Table (TR=1E-06, HQ=1.0). These exceedances are summarized in the following table:

Table C. Risk Screening Level Summary

	January 5 th , 2020	March 7 th , 2020	March 21 st , 2020	May 31 st , 2020
1,2-Dichloroethane (µg/m³) (USEPA RSL: 0.47 µg/m ³)	IA-4 (0.69 J)	IA-4 (0.57 J)	IA-4 (1.34)	ND (0.20)
Benzene (µg/m³) (USEPA RSL: 1.6 µg/m ³)	IA-4 (2.0) IA-5D (1.7) IA-6 (3.0) IA-9 (4.3)	IA-4 (1.7) IA-5D (1.6) IA-6 (3.5) IA-9 (3.4)	IA-6 (1.78) IA-9 (2.81)	IA-3 (4.88) IA-6 (2.41)
Ethylbenzene (µg/m³) (USEPA RSL: 4.9 µg/m ³)	IA-6 (6.3) IA-9 (5.6)	IA-3 (5.4) IA-6 (12)	IA-6 (8.98)	IA-6 (12.9)
Trichloroethylene (µg/m³) (USEPA RSL: 3.0 µg/m ³)	IA-6 (2.3)	IA-6 (3.6)	IA-6 (3.22)	IA-6 (4.82)

ND: Non-Detect

J: Indicates an estimated value

µg/m³: micrograms per cubic meter

Bold typeface indicates exceedance of USEPA Regional Screening Levels

Decreases in concentrations of the compounds presented in Table C, as observed in IA-4, IA-5D, and IA-9, are attributed to the significant progress in housekeeping observed during the May 31st sampling event. Benzene and ethylbenzene, observed at elevated concentrations in IA-6 during the four sampling events and in IA-3 during the May 31st and March 7th sampling events respectively, are not considered representative of an underlying soil vapor issue as these compounds are often attributed to fuel sources or vehicle exhaust and were not detected at elevated concentrations within the corresponding sub slab samples. The continued elevated concentrations of TCE observed in IA-6 are believed to be attributed to the sub slab conditions, as elevated concentrations have been observed in the associated sub slab sample EW-6.

CONCLUSIONS & RECOMMENDATIONS

Based upon the continued detection of concentrations of the constituents of concern observed in the EW vapor samples and indoor air samples collected during the four sampling events, Kleinfelder recommends the following;

- continued operation of the SSDS to mitigate potential vapor intrusion into indoor air as recommended by the NYSDOH decision matrices,
- the evaluation and implementation of system modifications by CHGE to achieve SSDS operational optimization based on Kleinfelder findings and recommendations, and
- regular operational maintenance and monitoring of the system.

Prior to the May 31st sampling event, CHGE implemented additional best management practices to minimize sources of potential indoor air impacts. With the continued decreases in IA concentrations documented in the May 31st results of compounds previously exceeding the USEPA RSLs and NYSDOH action levels, Kleinfelder also recommends;

- the continued implementation of best management practices by CHGE in an effort to continue to minimize potential sources of indoor air impacts, and
- evaluating additional ventilation methods to minimize concentrations observed in the IA-6 maintenance garage.

LIMITATIONS

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

This report may be used only by the Client and the registered design professional in responsible charge and only for the purposes stated for this specific engagement within a reasonable time from its issuance, but in no event later than two (2) years from the date of the report.

Kleinfelder offers various levels of investigative and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental conditions are a difficult and inexact science. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present due to the limitations of data from field studies. Although risk can never be eliminated, more-detailed and extensive studies yield more information, which may help understand and manage the level of risk.

CLOSING

We thank you for the opportunity to provide Kleinfelder's professional services. If you have any questions or require additional information, please do not hesitate to contact the undersigned.

Sincerely,

KLEINFELDER

Prepared by:

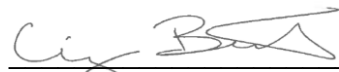


Amber Caputo
Project Geologist

6/26/2020

Date

Approved by:



Liz Baird
Sr. Scientist/Project Manager

6/26/2020

Date

Attachments

Figures

Tables

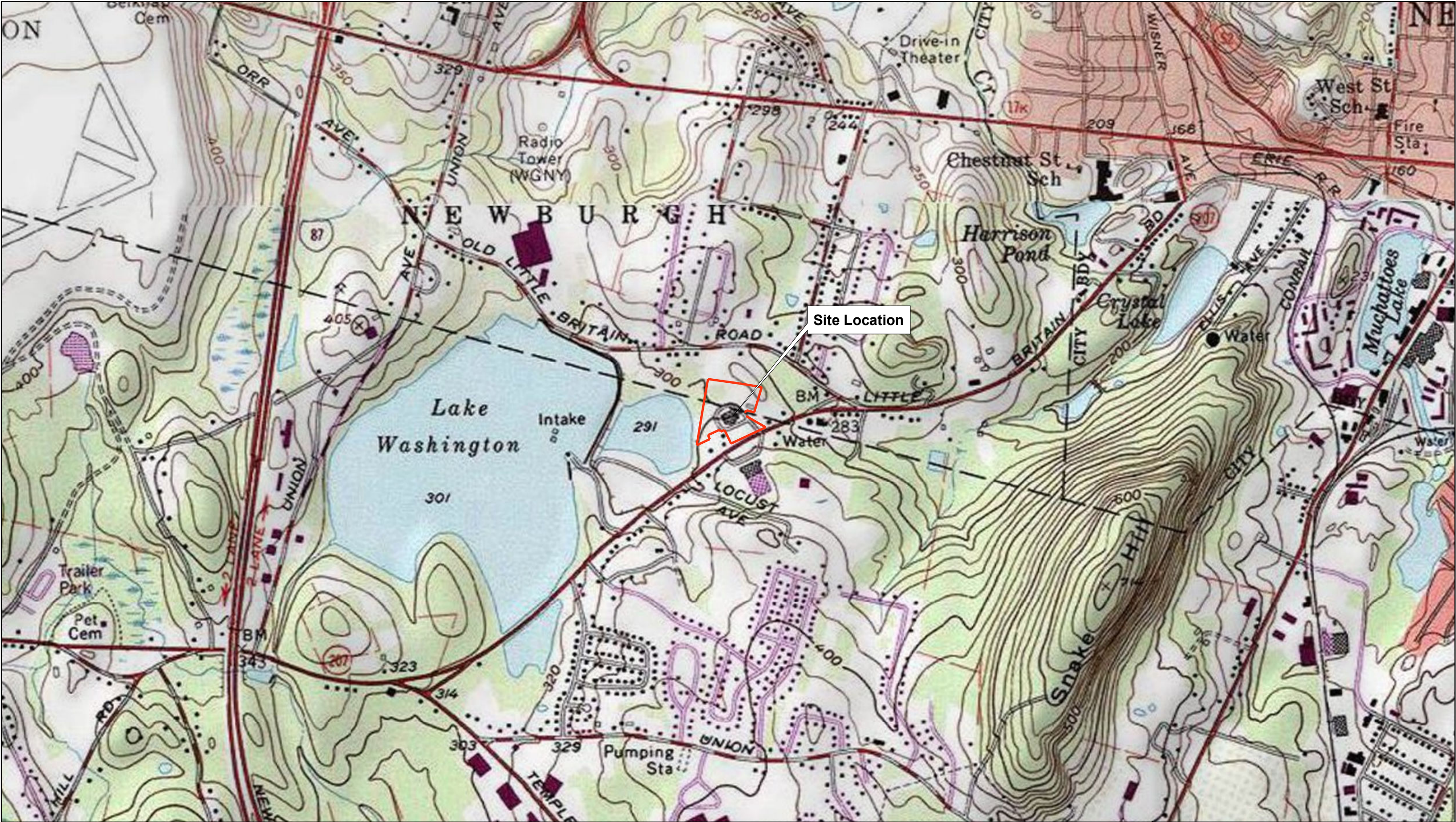
Appendix A – NYSDOH Air Quality Questionnaire and Building Inventory Forms

Appendix B – NYSDOH Soil Vapor/Indoor Air Decision Matrices

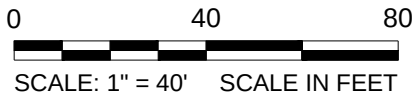
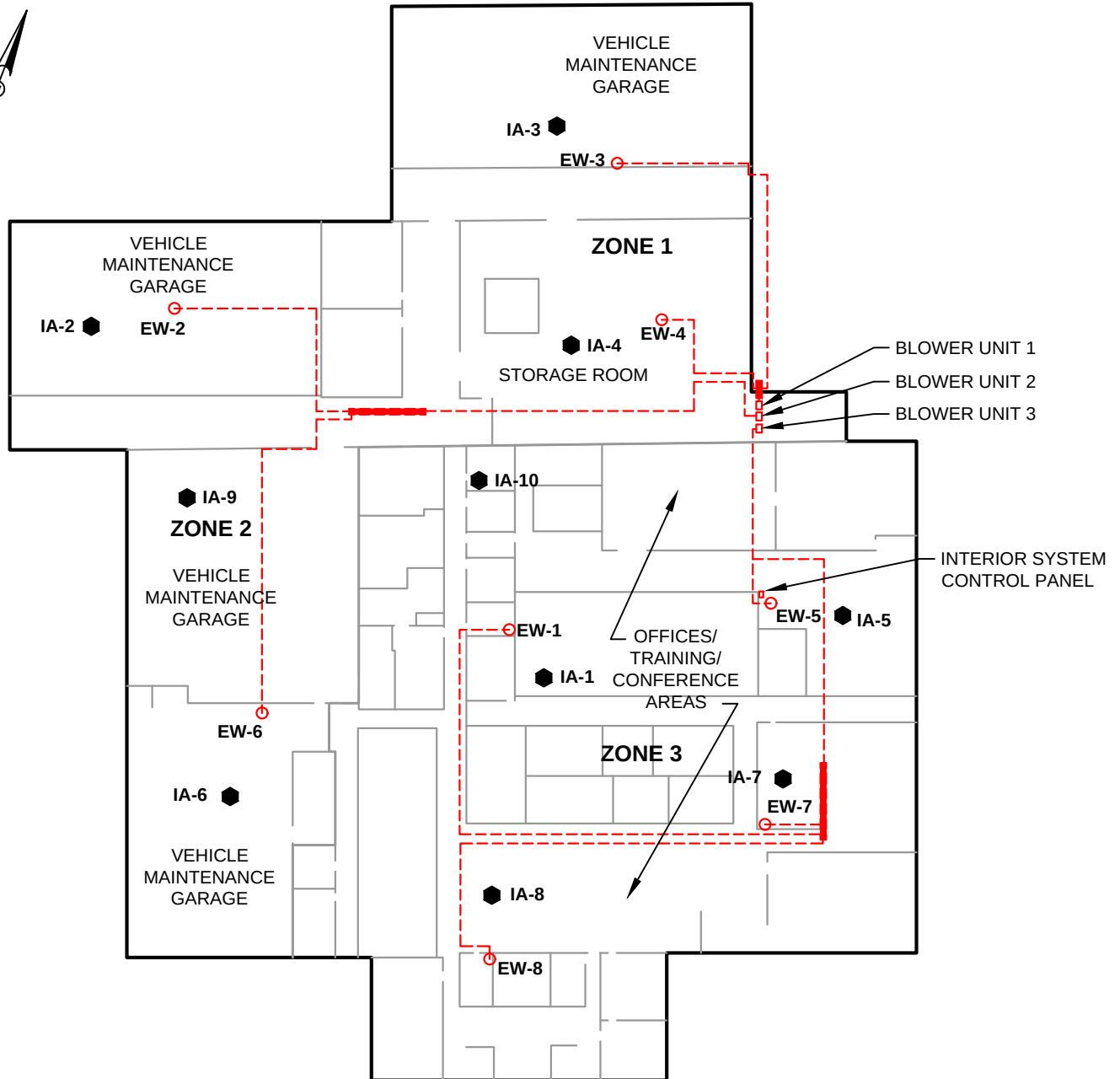
Appendix C – Laboratory Analytical Reports

Appendix D – Data Validation Reports

FIGURES



 Bright People. Right Solutions. www.kleinfelder.com	PROJECT NO.:	-			Orange County, New York Aerial Imagery: ESRI		Central Hudson Gas & Electric Corporation	
	DRAWN BY:	SMW					Figure 1 Site Location Map 610 Little Britain Road, New Windsor, New York	
	CHECKED BY:	JC						
	FILE NAME:	SiteLocationMap					Date: 1/3/2019	Index Map



REFERENCE:
BASE MAPPING CREATED FROM THE FOLLOWING:
PLAN TITLED "FIGURE 3 SUBSLAB
DEPRESSURIZATION SYSTEM PIPING DIAGRAM &
CONTROLS LAYOUT", DATED: JAN. 2009, AND
PREPARED BY THE CHAZEN COMPANIES

The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

LEGEND

- IA-10 INDOOR AIR SAMPLE LOCATION
- EW-8 EXTRACTION WELL
- TWO INCH DIAMETER VACUUM LINE
- FOUR INCH DIAMETER VACUUM LINE



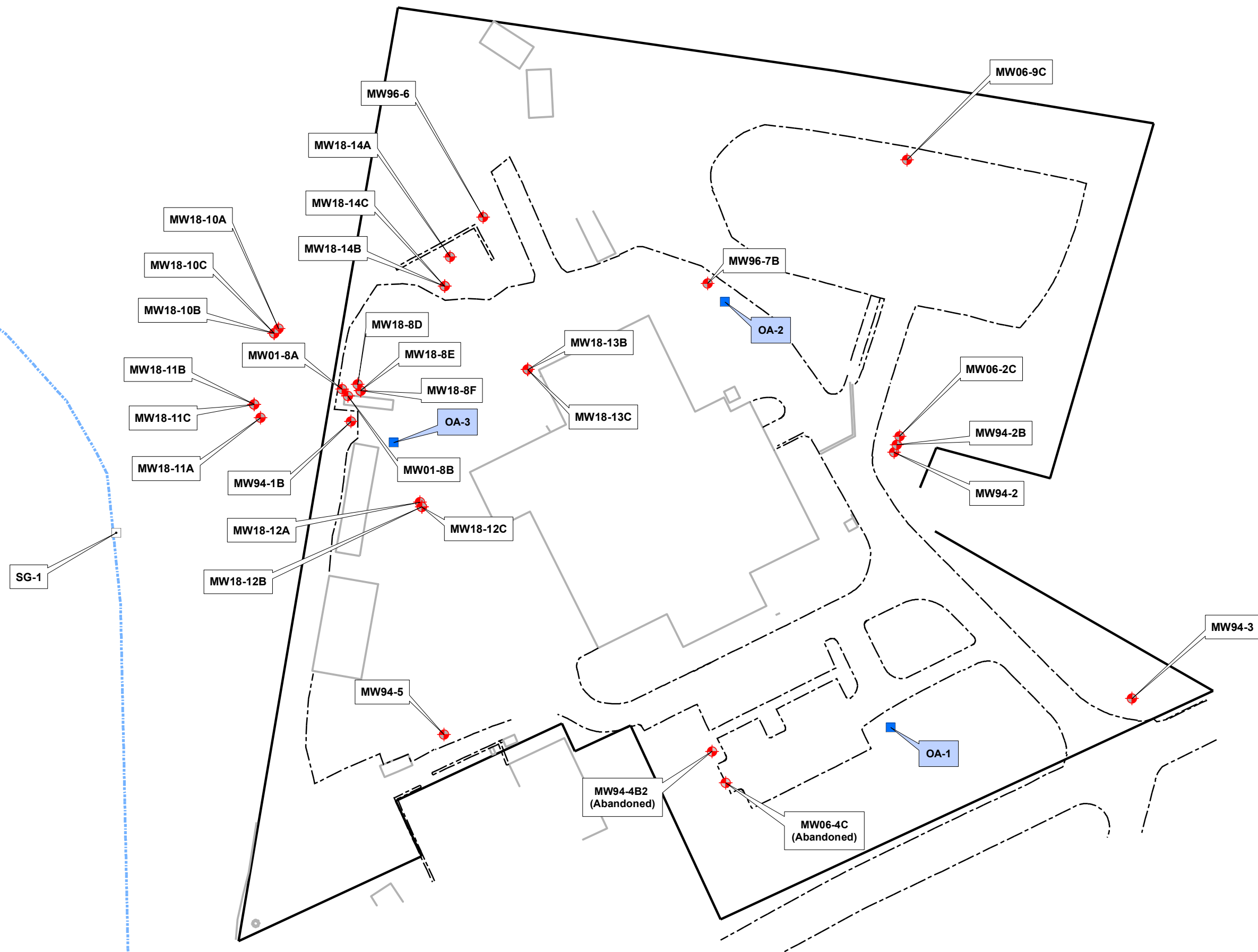
PROJECT NO. 20190147
DRAWN BY: JDS
CHECKED BY: AC
DATE: 01/20/2019
REVISED:

SITE PLAN WITH
AIR SAMPLE LOCATIONS

CHGE LITTLE BRITAIN ROAD FACILITY
610 LITTLE BRITAIN ROAD
NEW WINDSOR, NEW YORK

FIGURE

2



TABLES

Table 1
Indoor Air and Ambient Air
Air Analytical Summary
Volatile Organic Compounds
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

[illegible]

Notes:

Bold & Shaded Text: Indicated Exceedance of NYSDOH Guidance Value

Italicized & Shaded Text: Indicated Exceedance of EPA Guidance Value

EPA THQ 1.0 IA: Indoor Air Screening Levels as published in 'Regional Screening Level (RSL) Composite Worker Soil Table (TR=1E-06, HQ=1.0) November 2019' (United States Environmental Protection Agency)

NYSDOH SO VIA - 2017: Indoor Air Concentration Guidelines as published in the 'Guidance for Evaluating Soil Vapor Intrusion in the State of New York', as amended (New York State Department of Health)

ug/m³: micrograms per cubic meter

J : Indicates an estimated value

U : Analyzed for but not detected

NS: No Standard

Table 1
Indoor Air and Ambient Air
Air Analytical Summary
Volatile Organic Compounds
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Client ID	IA-9				IA-10				OA-1				OA-2				OA-2D				OA-3											
Lab Sample ID	200-52095-9				200-52944-10				200-52095-2				200-52944-22				200-52095-28				200-52944-24											
Sampling Date	1/5/2020				3/7/2020				3/21/2020				5/31/2020				1/5/2020				3/7/2020				3/21/2020				5/31/2020			
Matrix	Vapor				Vapor				Vapor				Vapor				Vapor				Vapor				Vapor				Vapor			
Dilution Factor	1				1				1				1				1				1				1				1			
Unit	ug/m ³				ug/m ³				ug/m ³				ug/m ³				ug/m ³				ug/m ³				ug/m ³				ug/m ³			
VOCS - TO15																																
1,1,1-Trichloroethane	3	NS	22000	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U					
1,1,2,2-Tetrachloroethane	NS	NS	NS	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U					
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	22000	0.47 J	0.56 J	<1.00 U	<1.00 U	0.54 J	0.48 J	<1.00 U	<1.00 U	0.48 J	0.48 J	<1.00 U	<1.00 U	0.6 J	0.59 J	<1.00 U	<1.00 U	0.45 J	0.55 J	<1.00 U	<1.00 U	0.55 J	0.51 J	<1.00 U	<1.00 U					
1,1,2-Trichloroethane	NS	0.77	0.88	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U					
1,1-Dichloroethane	NS	7.7	NS	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U					
1,1-Dichloroethylene	0.2	NS	880	0.14 U	0.14 U	<0.20 U	<0.20 U	0.14 U	0.14 U	<0.20 U	<0.20 U	0.14 U	0.14 U	<0.20 U	<0.20 U	0.14 U	0.14 U	<0.20 U	<0.20 U	0.14 U	0.14 U	<0.20 U	<0.20 U	0.14 U	0.14 U	<0.20 U	<0.20 U					
1,2,4-Trichlorobenzene	NS	NS	8.8	3.7 U	3.7 U	<1.00 U	<1.00 U	3.7 U	3.7 U	<1.00 U	<1.00 U	3.7 U	3.7 U	<1.00 U	<1.00 U	3.7 U	3.7 U	<1.00 U	<1.00 U	3.7 U	3.7 U	<1.00 U	<1.00 U	3.7 U	3.7 U	<1.00 U	<1.00 U					
1,2,4-Trimethylbenzene	NS	NS	260	6	2.8	4.68	1.37	2	0.98 U	1.57	<1.00 U	<1.00 U	0.98 U	0.98 U	<1.00 U	<1.00 U	0.25 J	0.98 U	<1.00 U	<1.00 U	0.98 U	0.98 U	<1.00 U	<1.00 U	0.98 U	0.98 U	<1.00 U	<1.00 U				
1,2-Dibromooethane (EDB)	NS	0.02	39	1.5 U	1.5 U	<1.00 U	<1.00 U	1.5 U	1.5 U	<1.00 U	<1.00 U	1.5 U	1.5 U	<1.00 U	<1.00 U	1.5 U	1.5 U	<1.00 U	<1.00 U	1.5 U	1.5 U	<1.00 U	<1.00 U	1.5 U	1.5 U	<1.00 U	<1.00 U					
1,2-Dichloro-1,1,2,2-tetrafluoroethane	NS	NS	NS	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U					
1,2-Dichlorobenzene	NS	NS	880	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U					
1,2-Dichloroethane	NS	0.47	31	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U					
1,2-Dichloropropane	NS	3.3	18	0.92 U	0.92 U	<1.00 U	<1.00 U	0.92 U	0.92 U	<1.00 U	<1.00 U	0.92 U	0.92 U	<1.00 U	<1.00 U	0.92 U	0.92 U	<1.00 U	<1.00 U	0.92 U	0.92 U	<1.00 U	<1.00 U	0.92 U	0.92 U	<1.00 U	<1.00 U					
1,3,5-Trimethylbenzene	NS	NS	260	1.6	0.82 J	1.15	<1.00 U	0.54 J	0.98 U	<1.00 U	<1.00 U	0.98 U	0.98 U	<1.00 U	<1.00 U	0.98 U	0.98 U	<1.00 U	<1.00 U	0.98 U	0.98 U	<1.00 U	<1.00 U	0.98 U	0.98 U	<1.00 U	<1.00 U					
1,3-Butadiene	NS	0.41	8.8	0.44 U	0.44 U	<1.00 U	<1.00 U	0.44 U	0.44 U	<1.00 U	<1.00 U	0.44 U	0.44 U	<1.00 U	<1.00 U	0.44 U	0.44 U	<1.00 U	<1.00 U	0.44 U	0.44 U	<1.00 U	<1.00 U	0.44 U	0.44 U	<1.00 U	<1.00 U					
1,3-Dichlorobenzene	NS	NS	NS	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U					
1,4-Dichlorobenzene	NS	1.1	3500	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U					
1,4-Dioxane	NS	2.5	130	2.5 J	18 U	<1.00 U	<1.00 U	18 U	18 U	<1.00 U	<1.00 U	18 U	18 U	<1.00 U	<1.00 U	18 U	18 U	<1.00 U	<1.00 U	18 U	18 U	<1.00 U	<1.00 U	18 U	18 U	<1.00 U	<1.00 U					
2,2,4-Trimethylpentane	NS	NS	NS	7.6	4.8	NS	NS	1.5	0.39 J	NS	NS	0.93 U	0.93 U	NS	NS	0.93 U	0.93 U	NS	NS	0.93 U	0.93 U	NS	NS	0.93 U	0.93 U	NS	NS					
2-Butanone	NS	NS	22000	8.8	16	2.2	1.36	1.7	4.2	2.57	<1.00 U	<1.00 U	1.5 U	0.38 J	<1.00 U	<1.00 U	1.5 U	1	J	1.36	<1.00 U	0.24 J	0.79 JB	<1.00 U	<1.00 U	1.5 U	0.62 JB	<1.00 U	<1.00 U			
2-Chlorotoluene	NS	NS	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	NS	NS			
2-Hexanone	NS	NS	130	2 U	2 U	<1.00 U	<1.00 U	2 U	2 U	<1.00 U	<1.00 U	2 U	2 U	<1.00 U	<1.00 U	2 U	0.2 J	<1.00 U	<1.00 U	2 U	2 U	<1.00 U	<1.00 U	2 U	2 U	<1.00 U	<1.00 U					
2-Propanol	NS	NS	880	43	76	41.5	6.17	11 J	37	57.2	5.36	12 U	12 U	<1.00 U	<1.00 U	12 U	12 U	<1.00 U	<1.00 U	12 U	12 U	<1.00 U	<1.00 U	1.17	12 U	12 U	1.41	<1.00 U	<1.00 U			
4-Ethyltoluene	NS	NS	NS	1.9	1.1	4.44	<1.00 U	0.55 J	0.98 U	1.44	<1.00 U	0.98 U	0.98 U	<1.00 U	<1.00 U	0.98 U	0.98 U	<1.00 U	<1.00 U	0.98 U	0.98 U	<1.00 U	<1.00 U	0.98 U	0.98 U	<1.00 U	<1.00 U					
4-Isopropyltoluene	NS	NS	NS	0.44 J	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U					
4-Methyl-2-pentanone	NS	NS	13000	2	3.9	<1.00 U	1.58	0.71 J	0.46 J	2.82	<1.00 U	2 U	2 U	<1.00 U	<1.00 U	2 U	0.45 J	<1.00 U	<1.00 U	2 U	2 U	<1.00 U	<1.00 U	2 U	2 U	<1.00 U	<1.00 U					
Acetone	NS	NS	140000	31	63	29.2	14.4	18	42	26.1	8.81	12 U	5.3 J	2.99	2.94	7.5 J	6.6 J	8.07	3.09	12 U	12 U	3.18	3.87	12 U	3.3 J	5.18	3.18					
Allyl chloride	NS	2	4.4	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	NS	NS			
Benzene	NS	1.6	130	4.3	3.4	2.81	<1.00 U	1.2	0.85	1.01	<1.00 U	0.35 J	0.32 J	<1.00 U	<1.00 U	0.45 J	0.35 J	<1.00 U	<1.00 U	0.24 J	0.36 J	<1.00 U	<1.00 U	0.39 J	0.29 J	<1.00 U	<1.00 U					
Benzyl chloride	NS	0.25	4.4	1 U	1 U	<1.00 U	<1.00 U	1 U	1 U	<1.00 U	<1.00 U	1 U	1 U	<1.00 U	<1.00 U	1 U	1 U**	<1.00 U	<1.00 U	1 U	1 U	<1.00 U	<1.00 U	1 U	1 U	<1.00 U	<1.00 U					
Bromodichloromethane	NS	0.33	NS	1.3 U	1.3 U	<1.00 U	<1.00 U	1.3 U	1.3 U	<1.00 U	<1.00 U	1.3 U	1.3 U	<1.00 U	<1.00 U	1.3 U	1.3 U	<1.00 U	<1.00 U	1.3 U	1.3 U	<1.00 U	<1.00 U	1.3 U	1.3 U	<1.00 U	<1.00 U					
Bromoethylene	NS	0.38	13	0.87 U	0.87 U	NS	NS	0.87 U	0.87 U	NS	NS	0.87 U	0.87 U	NS	NS	0.87 U	0.87 U	NS	NS	0.87 U	0.87 U	NS	NS	0.87 U	0.87 U	NS	NS	NS	NS			
Bromoform	NS	11	NS	2.1 U	2.1 U	<1.00 U	<1.00 U	2.1 U	2.1 U	<1.00 U	<1.00 U	2.1 U	2.1 U	<1.00 U	<1.00 U	2.1 U	2.1 U	<1.00 U	<1.00 U	2.1 U	2.1 U	<1.00 U	<1.00 U	2.1 U	2.1 U	<1.00 U	<1.00 U					
Bromomethane	NS	NS	22	0.78 U	0.78 U	<1.00 U	<1.00 U	0.78 U	0.78 U	<1.00 U	<1.00 U	0.78 U	0.78 U	<1.00 U	<1.00 U	0.78 U	0.78 U	<1.00 U	<1.00 U	0.78 U	0.78 U	<1.00 U	<1.00 U	0.78 U	0.78 U	<1.00 U	<1.00 U					
Butane	NS	NS	NS	35	74	NS	NS	12	51	NS	NS	1.2 U	1.7	NS	NS	1.2 U	1.1 J	NS	NS	0.8 J	1.3	NS	NS	1.2 U	1.2	NS	NS	NS	NS			
Carbon disulfide	NS	NS	3100	2.3	1.6 U	<1.00 U	<1.00 U	1.6 U	1.6 U	<1.00 U	<1.00 U	1.6 U	1.6 U	<1.00 U	<1.00 U	1.6 U	1.6 U	<1.00 U	<1.00 U	1.6 U	1.6 U	<1.00 U	<1.00 U	1.6 U	1.6 U	<1.00 U	<1.00 U					
Carbon tetrachloride	0.2	2	440	<																												

Table 2
Sub-Slab Vapor Extraction Well
Soil Vapor Analytical Summary
Volatile Organic Compounds
Central Hudson Gas Electric Corp.
610 Little Britain Road, New Windsor, New York

Client ID	NYSDOH SO VI SS - 2017	BLOWER UNIT 1				BLOWER UNIT 2				BLOWER UNIT 3				BLOWER UNIT 3D				EW-1				EW-2			
200-52095-19		200-52944-21	CF54414	CG03911	200-52095-20	200-52944-22	CF54410	CG03910	200-52095-21	200-52944-23	CF54418	CG03913	200-52095-27	200-52944-24	CF54430	CG03912	200-52095-11	200-52944-12	CF54420	CG03890	200-52095-12	200-52944-13	CF54425	CG03887	
1/5/2020		3/7/2020	3/21/2020	5/31/2020	1/5/2020	3/7/2020	3/21/2020	5/31/2020	1/5/2020	3/7/2020	3/21/2020	5/31/2020	1/5/2020	3/7/2020	3/21/2020	5/31/2020	1/5/2020	3/7/2020	3/21/2020	5/31/2020	1/5/2020	3/7/2020	3/21/2020	5/31/2020	
Vapor		Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ug/m³		ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³
VOCs - TO15																									
1,1,1-Trichloroethane	100	0.37 J	1.3	< 1.00 U	11.8	0.91 J	1.1 U	1.83	10.6	1.1 U	1.1 U	< 1.00 U	< 1.00 U	1.1 U	1.1 U	< 1.00 U	< 1.00 U	1.1 U	1.1 U	< 1.00 U	< 1.00 U	11	1.3 U	13.6	7.09
1,1,2,2-Tetrachloroethane	NS	1.4 U	1.4 U	< 1.00 U	< 1.00 U	1.4 U	1.4 U	< 1.00 U	< 1.00 U	1.4 U	1.4 U	< 1.00 U	< 1.00 U	1.4 U	1.4 U	< 1.00 U	< 1.00 U	1.4 U	1.4 U	< 1.00 U	< 1.00 U	1.4 U	1.6 U	< 1.00 U	< 1.00 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	0.5 J	0.63 J	< 1.00 U	< 1.00 U	0.75 J	0.5 J	< 1.00 U	< 1.00 U	0.53 J	0.59 J	< 1.00 U	< 1.00 U	0.62 J	0.6 J	< 1.00 U	< 1.00 U	0.6 J	0.55 J	< 1.00 U	< 1.00 U	0.6 J	0.53 J	< 1.00 U	< 1.00 U
1,1,2-Trichloroethane	NS	1.1 U	1.1 U	< 1.00 U	< 1.00 U	1.1 U	1.1 U	< 1.00 U	< 1.00 U	1.1 U	1.1 U	< 1.00 U	< 1.00 U	1.1 U	1.1 U	< 1.00 U	< 1.00 U	1.1 U	1.1 U	< 1.00 U	< 1.00 U	1.1 U	1.3 U	< 1.00 U	< 1.00 U
1,1-Dichloroethane	NS	0.81 U	0.4 J	< 1.00 U	4.81	0.72 J	0.81 U	< 1.00 U	5.22	0.81 U	0.81 U	< 1.00 U	< 1.00 U	0.81 U	0.81 U	< 1.00 U	< 1.00 U	0.81 U	0.81 U	< 1.00 U	< 1.00 U	8.1	0.96 U	9.63	3.62
1,1-Dichloroethylene	6	0.14 U	0.29	< 0.20 U	0.47	0.14 U	0.14 U	0.46	0.54	0.14 U	0.14 U	< 0.20 U	< 0.20 U	0.14 U	0.14 U	< 0.20 U	< 0.20 U	0.14 U	0.14 U	< 0.20 U	< 0.20 U	0.5	0.17 U	0.63	0.28
1,2,4-Trichlorobenzene	NS	3.7 U	3.7 U	< 1.00 U	< 1.00 U	3.7 U	3.7 U	< 1.00 U	< 1.00 U	3.7 U	3.7 U	< 1.00 U	< 1.00 U	3.7 U	3.7 U	< 1.00 U	< 1.00 U	3.7 U	3.7 U	< 1.00 U	< 1.00 U	3.7 U	4.4 U	< 1.00 U	< 1.00 U
1,2,4-Trimethylbenzene	NS	0.98 U	0.39 J	1.1	< 1.00 U	0.98 U	0.98 U	< 1.00 U	< 1.00 U	0.98 U	0.98 U	< 1.00 U	< 1.00 U	0.98 U	0.23 J	< 1.00 U	< 1.00 U	0.3 J	1.2	< 1.00 U	< 1.00 U	0.59 J	1.3	< 1.00 U	< 1.00 U
1,2-Dibromoethane (EDB)	NS	1.5 U	1.5 U	< 1.00 U	< 1.00 U	1.5 U	1.5 U	< 1.00 U	< 1.00 U	1.5 U	1.5 U	< 1.00 U	< 1.00 U	1.5 U	1.5 U	< 1.00 U	< 1.00 U	1.5 U	1.5 U	< 1.00 U	< 1.00 U	1.5 U	1.8 U	< 1.00 U	< 1.00 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	NS	1.4 U	1.4 U	< 1.00 U	< 1.00 U	1.4 U	1.4 U	< 1.00 U	< 1.00 U	1.4 U	1.4 U	< 1.00 U	< 1.00 U	1.4 U	1.4 U	< 1.00 U	< 1.00 U	1.4 U	1.4 U	< 1.00 U	< 1.00 U	1.4 U	1.7 U	< 1.00 U	< 1.00 U
1,2-Dichlorobenzene	NS	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.4 U	< 1.00 U	< 1.00 U
1,2-Dichloroethane	NS	0.81 U	0.81 U	< 1.00 U	< 1.00 U	0.81 U	0.81 U	< 1.00 U	< 1.00 U	0.81 U	0.81 U	< 1.00 U	< 1.00 U	0.81 U	0.81 U	< 1.00 U	< 1.00 U	0.81 U	0.81 U	< 1.00 U	< 1.00 U	0.81 U	0.96 U	< 1.00 U	< 1.00 U
1,2-Dichloropropane	NS	0.92 U	0.92 U	< 1.00 U	< 1.00 U	0.92 U	0.92 U	< 1.00 U	< 1.00 U	0.92 U	0.92 U	< 1.00 U	< 1.00 U	0.92 U	0.48 J	< 1.00 U	< 1.00 U	0.92 U	0.92 U	< 1.00 U	< 1.00 U	0.92 U	1.1 U	< 1.00 U	< 1.00 U
1,3,5-Trimethylbenzene	NS	0.98 U	0.98 U	< 1.00 U	< 1.00 U	0.98 U	0.98 U	< 1.00 U	< 1.00 U	0.98 U	0.98 U	< 1.00 U	< 1.00 U	0.98 U	0.98 U	< 1.00 U	< 1.00 U	0.98 U	0.41 J	< 1.00 U	< 1.00 U	0.19 J	0.43 J	< 1.00 U	< 1.00 U
1,3-Butadiene	NS	0.44 U	0.44 U	< 1.00 U	< 1.00 U	0.44 U	0.44 U	< 1.00 U	< 1.00 U	0.44 U	0.44 U	< 1.00 U	< 1.00 U	0.44 U	0.44 U	< 1.00 U	< 1.00 U	0.44 U	0.44 U	< 1.00 U	< 1.00 U	0.44 U	0.53 U	< 1.00 U	< 1.00 U
1,3-Dichlorobenzene	NS	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.4 U	< 1.00 U	< 1.00 U
1,4-Dichlorobenzene	NS	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.2 U	< 1.00 U	< 1.00 U	1.2 U	1.4 U	< 1.00 U	< 1.00 U
1,4-Dioxane	NS	18 U	18 U	< 1.00 U	< 1.00 U	18 U	0.78 J	< 1.00 U	< 1.00 U	18 U	18 U	< 1.00 U	< 1.00 U	18 U	18 U	< 1.00 U	< 1.00 U	18 U	18 U	< 1.00 U	< 1.00 U	18 U	21 U	< 1.00 U	< 1.00 U
2,2,4-Trimethylpentane	NS	0.93 U	0.47 J	NS	NS	0.27 J	0.93 U	NS	NS	0.22 J	0.93 U	NS	NS	0.35 J	10	NS	NS	0.42 J	1.5	NS	NS	0.5 J	4.7	NS	NS
2-Butanone	NS	0.75 J	1.5 U	< 1.00 U	3.3	4.4	0.74 J	1.64	3.98	1.4 J	1.5 U	1.83	7.6	4.5	1.5 U	1.3	7.43	1.3 J	5.4	4.19	< 1.00 U	7.2	27	1.45	< 1.00 U
2-Chlorotoluene	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	1 U	1.2 U	NS	NS
2-Hexanone	NS	2 U	2.8	< 1.00 U	< 1.00 U	0.32 J	2 U	< 1.00 U	1.88	2 U	2 U	< 1.00 U	2.33	2 U	1.4 J	< 1.00 U	2.27	2 U	2 U	< 1.00 U	< 1.00 U	0.41 J	2.4 U	< 1.00 U	< 1.00 U
2-Propanol	NS	1.2 J	1.6 J	2.15	4.77	4 J	12 U	1.61	6.46	2.2 J	12 U	10.5	5.82	3.7 J	12 U	10.6	5.65	4.6 J	46	79.6	2.9	4.5 J	3.4 J	4.3	1.03
4-Ethyltoluene	NS	0.98 U	0.98 U	< 1.00 U	< 1.00 U	0.98 U	0.98 U	< 1.00 U	< 1.00 U	0.98 U	0.98 U	< 1.00 U	< 1.00 U	0.98 U	0.98 U	< 1.00 U	< 1.00 U	0.98 U	0.4JB	< 1.00 U	< 1.00 U	0.98 U	0.41JB	< 1.00 U	< 1.00 U
4-Isopropyltoluene	NS	1.1 U	1.1 U	< 1.00 U	< 1.00 U	1.1 U	1.1 U	< 1.00 U	< 1.00 U	1.1 U	1.1 U	< 1.00 U	< 1.00 U	1.1 U	1.1 U	< 1.00 U	< 1.00 U	1.1 U	0.26 J	< 1.00 U	< 1.00 U	0.39 J	1.3 J	< 1.00 U	< 1.00 U
4-Methyl-2-pentanone	NS	2 U	0.39 J	< 1.00 U	1.22	2 U	2 U	< 1.00 U	< 1.00 U	2 U	2 U	< 1.00 U	< 1.00 U	2 U	2 U	< 1.00 U	< 1.00 U	2 U	1.3 J	2.98	< 1.00 U	0.87 J	2.5	1.03	< 1.00 U
Acetone	NS	7.6 J	17	26.4	187	40	9.2 J	68.4	186	14	5.2 J	62	893	24	12	46.1	878	13	41	33	5.65	27	46	9.16	4.82
Allyl chloride	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.9 U	NS	NS
Benzene	NS	0.44 J	0.81	< 1.00 U	< 1.00 U	4.9	1.2																		

Table 2
Sub-Slab Vapor Extraction Well
Soil Vapor Analytical Summary
Volatile Organic Compounds
 Central Hudson Gas Electric Corp.
 610 Little Britain Road, New Windsor, New York

Client ID		NYSDOH SO VI SS - 2017	EW-3				EW-4				EW-5				EW-6				EW-7				EW-8							
Lab Sample ID	200-52095-13		200-52944-14	CF54409	CG03891	200-52095-14	200-52944-15	CF54433	CG03892	200-52095-15	200-52944-16	CF54429	CG03893	200-52095-16	200-52944-17	CF54415	CG03894	200-52095-16	200-52944-18	CF54423	CG03899	200-52095-17	200-52944-19	CF54428	CG03898	200-52095-18	200-52944-20	CF54421	CG03896	
Sampling Date	1/5/2020		3/7/2020	3/21/2020	5/31/2020	1/5/2020	3/7/2020	3/21/2020	5/31/2020	1/5/2020	3/7/2020	3/21/2020	5/31/2020	1/5/2020	3/7/2020	3/21/2020	5/31/2020	1/5/2020	3/7/2020	3/21/2020	5/31/2020	1/5/2020	3/7/2020	3/21/2020	5/31/2020	1/5/2020	3/7/2020	3/21/2020	5/31/2020	
Matrix	Vapor		Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
Dilution Factor	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Unit	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	
VOCS - TO15																														
1,1,1-Trichloroethane	100	1.2	1.2	3.16	<1.00 U	0.44 J	1.1 U	<1.00 U	<1.00 U	0.49 J	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	0.26 J	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	
1,1,2,2-Tetrachloroethane	NS	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	0.49 J	0.52 J	<1.00 U	<1.00 U	0.54 J	0.58 J	<1.00 U	<1.00 U	0.53 J	0.46 J	<1.00 U	<1.00 U	0.9 J	0.48 J	<1.00 U	<1.00 U	0.55 J	0.5 J	<1.00 U	<1.00 U	0.54 J	0.61 J	<1.00 U	<1.00 U	0.6 J	0.45 J	<1.00 U	<1.00 U	
1,1,2-Trichloroethane	NS	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	
1,1-Dichloroethane	NS	0.43 J	0.36 J	1.13	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	
1,1-Dichloroethylene	6	0.14 U	0.31	0.92	<0.20 U	0.14 U	0.14 U	<0.20 U	<0.20 U	0.14 U	0.14 U	<0.20 U	<0.20 U	0.14 U	0.14 U	<0.20 U	<0.20 U	0.14 U	0.14 U	<0.20 U	<0.20 U	0.26	0.14 U	0.14 U	<0.20 U	<0.20 U	0.14 U	0.14 U	<0.20 U	<0.20 U
1,2,4-Trichlorobenzene	NS	3.7 U	3.7 U	<1.00 U	<1.00 U	3.7 U	3.7 U	<1.00 U	<1.00 U	3.7 U	3.7 U	<1.00 U	<1.00 U	3.7 U	3.7 U	<1.00 U	<1.00 U	3.7 U	3.7 U	<1.00 U	<1.00 U	3.7 U	3.7 U	<1.00 U	<1.00 U	3.7 U	3.7 U	<1.00 U	<1.00 U	
1,2,4-Trimethylbenzene	NS	0.31 J	0.67 J	<1.00 U	4.96	0.23 J	0.56 J	1.2	<1.00 U	0.74 J	1.7	<1.00 U	<1.00 U	0.98 U	1.2	<1.00 U	<1.00 U	1.4	2.5	5.21	2.36	0.98 U	0.36 J	<1.00 U	<1.00 U	3.4	0.66 J	<1.00 U	<1.00 U	
1,2-Dibromooethane (EDB)	NS	1.5 U	1.5 U	<1.00 U	<1.00 U	1.5 U	1.5 U	<1.00 U	<1.00 U	1.5 U	1.5 U	<1.00 U	<1.00 U	1.5 U	1.5 U	<1.00 U	<1.00 U	1.5 U	1.5 U	<1.00 U	<1.00 U	1.5 U	1.5 U	<1.00 U	<1.00 U	1.5 U	1.5 U	<1.00 U	<1.00 U	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	NS	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	1.4 U	1.4 U	<1.00 U	<1.00 U	
1,2-Dichlorobenzene	NS	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	
1,2-Dichloroethane	NS	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	0.81 U	0.81 U	<1.00 U	<1.00 U	
1,2-Dichloropropane	NS	0.92 U	0.92 U	<1.00 U	<1.00 U	0.92 U	0.92 U	<1.00 U	<1.00 U	0.92 U	0.92 U	<1.00 U	<1.00 U	0.92 U	0.92 U	<1.00 U	<1.00 U	0.92 U	0.92 U	<1.00 U	<1.00 U	0.92 U	0.92 U	<1.00 U	<1.00 U	0.92 U	0.92 U	<1.00 U	<1.00 U	
1,3,5-Trimethylbenzene	NS	0.98 U	0.22 J	<1.00 U	1.41	0.98 U	0.22 J	<1.00 U	<1.00 U	0.21 J	0.48 J	<1.00 U	<1.00 U	0.98 U	0.41 J	<1.00 U	<1.00 U	0.44 J	1.1	1.61	<1.00 U	0.98 U	0.98 U	<1.00 U	<1.00 U	0.8 J	0.21 J	<1.00 U	<1.00 U	
1,3-Butadiene	NS	0.44 U	0.44 U	<1.00 U	<1.00 U	0.44 U	0.44 U	<1.00 U	<1.00 U	0.44 U	0.44 U	<1.00 U	<1.00 U	0.44 U	0.44 U	<1.00 U	<1.00 U	0.44 U	0.44 U	<1.00 U	<1.00 U	0.44 U	0.44 U	<1.00 U	<1.00 U	0.28 J	0.44 U	<1.00 U	<1.00 U	
1,3-Dichlorobenzene	NS	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	
1,4-Dichlorobenzene	NS	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	1.2 U	1.2 U	<1.00 U	<1.00 U	
1,4-Dioxane	NS	18 U	18 U	<1.00 U	<1.00 U	18 U	18 U	<1.00 U	<1.00 U	18 U	18 U	<1.00 U	<1.00 U	18 U	18 U	<1.00 U	<1.00 U	18 U	18 U	<1.00 U	<1.00 U	18 U	18 U	<1.00 U	<1.00 U	18 U	18 U	<1.00 U	<1.00 U	
2,2,4-Trimethylpentane	NS	0.59 J	1.6	NS	NS	0.31 J	4.3	NS	NS	0.8 J	1.5	NS	NS	0.93 U	1.5	NS	NS	2.2	5.8	NS	NS	0.93 U	0.93 U	<1.00 U	<1.00 U	0.57 J	0.44 J	NS	NS	
2-Butanone	NS	1.1 J	2.4	<1.00 U	5.01	0.97 J	34	8.08	3.63	1.9	2.4	<1.00 U	<1.00 U	1.5 U	3.7	<1.00 U	<1.00 U	1.4 J	5.2	2.75	2.38	4.2	1.2 J	2.34	<1.00 U	5.4	0.96 J	3.54	1.06	
2-Chlorotoluene	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	1 U	1 U	NS	NS	
2-Hexanone	NS	2 U	2 U	<1.00 U	<1.00 U	2 U	2 U	<1.00 U	<1.00 U	0.35 J	2 U	<1.00 U	<1.00 U	2 U	2 U	<1.00 U	<1.00 U	2 U	2 U	<1.00 U	<1.00 U	1.1 J	0.22 J	<1.00 U	<1.00 U	2 U	2 U	<1.00 U	<1.00 U	
2-Propanol	NS	2.5 J	1.3 J	1.1	13.9	3.3 J	23	10.5	4.25	5.2 J	36	1.52	1.93	12 U	33	1.17	1.35	11 J	31	17.6	10.6	3.9 J	2.5 J	46.4	3.37	9.2 J	9.2 J	89.7	6.73	
4-Ethyltoluene	NS	0.98 U	0.21 JB	<1.00 U	4.55	0.98 U	0.27 JB	1.04	<1.00 U	0.2 J	0.38 JB	<1.00 U	<1.00 U	0.98 U	0.37 JB	<1.00 U	<1.00 U	0.58 J	0.99 B	1.51	2.06	0.98 U	0.98 U	<1.00 U	<1.00 U	0.92 J	0.98 U	<1.00 U	<1.00 U	
4-Isopropyltoluene	NS	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	0.24 J	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	1.1 U	1.1 J	<1.00 U	<1.00 U	1.1 U	0.26 J	<1.00 U	<1.00 U	1.1 U	1.1 U	<1.00 U	<1.00 U	21	1.1 U	<1.00 U	<1.00 U	
4-Methyl-2-pentanone	NS	0.97 J	2.3	1.08	20.7	2 U	5	1.81	<1.00 U	0.46 J	2.2	<1.00 U	<1.00 U	2 U	0.97 J	<1.00 U	<1.00 U	0.64 J	2.4	1.49	<1.00 U	2 U	2 U	1.75	<1.00 U	2.4	2 U	2.48	<1.00 U	
Acetone	NS	0.91 J	8.1 J	3.23	31.6	8.2 J	87	22.2	12.4	15	25	3.47	2.97	12 U	26	1.45	3.06	45	86	85	35.4	17	7.3 J	24.7	9.04	73	19	36.3	12.9	
Allyl chloride	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	1.6 U	1.6 U	NS	NS	
Benzene	NS	0.44 J	0.76	<1.00 U	3.45	0.28 J	1.7	<1.00 U	<1.00 U	0.55 J	1.2	<1.00 U	<1.00 U	0.56 J	1.2	<1.00 U	<1.00 U	1.3	3.1	1.55	<1.00 U	0.64 U	0.64 U	<1.00 U	<1.00 U	0.54 J	0.44 J	<1.00 U	<1.00 U	
Benzyl chloride	NS	1 U	1U**	<1.00 U	<1.00 U	1 U	1 U**	<1.00 U	<1.00 U	1 U	1 U**	<1.00 U	<1.00 U	1 U	1 U**	<1.00 U	<1.00 U	1 U	1 U**	<1.00 U	<1.00 U	1 U	1 U**	<1.00 U	<1.00 U	1 U	1 U**	<1.00 U	<1.00 U	
Bromodichloromethane	NS	1.3 U	1.3 U	<1.00 U	<1.00 U	1.3 U	1.3 U	<1.00 U	<1.00 U	1.3 U	1.3 U	<1.00 U	<1.00 U	1.3 U	1.3 U	<1.00 U	<1.00 U	1.3 U	1.3 U	<1.00 U	<1.00 U	1.3 U	1.3 U	<1.00 U	<1.00 U	1.3 U	1.3 U	<1.00 U	<1.00 U	
Bromoethanol	NS	0.87 U	0.87 U	NS	NS	0.87 U	0.87 U	NS	NS	0.87 U	0.87 U	NS	NS	0.87 U	0.87 U	NS	NS	0.87 U	0.87 U	NS	NS	0.87 U	0.87 U	NS	NS	0.87 U	0.87 U	NS	NS	
Bromotoluene	NS	2.1 U	2.1 U	<1.00 U	<1.00 U	2.1 U	2.1 U	<1.00 U	<1.00 U	2.1 U	2.1 U	<1.00 U	<1.00 U	2.1 U	2.1 U	<1.00 U	<1.00 U	2.1 U	2.1 U	<1.00 U	<1.00 U	2.1 U	2.1 U	<1.00 U	<1.00 U	2.1 U	2.1 U	<1.00 U	<1.00 U	
Bromomethane	NS	0.78 U	0.78 U	<1.00 U	<1.00 U	0.78 U	0.78 U	<1.00 U	<1.00 U	0.78 U	0.78 U	<1.00 U	<1.00 U	0.78 U	0.78 U	<1.00 U	<1.00 U	0.78 U	0.78 U	<1.00 U	<1.00 U	0.78 U	0.78 U	<1.00 U	<1.00 U	0.78 U	0.78 U	<1.00 U	<1.00 U	
Butane	NS	3.6	16	NS	NS	3.7	36	NS	NS	5.2	52	NS	NS	2.2	48	NS	NS	11	36	NS	NS	1.1 J	3.5	NS	NS	4.5	14	NS	NS	
Carbon disulfide	NS	0.35 J	1.6 U	<1.00 U	<1.00 U	1.6 U	0.47 J	<1.00 U	<1.00 U	1.6 U	0.36 J	<1.00 U	<1.00 U	1.6 U	0.32 J	<1.00 U	<1.00 U	1.6 U	0.51 J	<1.00 U	<1.00 U	0.39 J	0.25 J	<1.00 U	<1.00 U	0.62 J	1.1 J	<1.00 U	<1.00 U	
Carbon tetrachloride	6	0.																												

Notes

Bold & Shaded Text: Indicated Exceedance of NYSDOH Guidance Value

NYSDOH SO VI SS- 2017: Sub-Slab Vapor Concentration Guidelines as published in the 'Guidance for Evaluating Soil Vapor Intrusion in the State of New York', as amended (New York State Department of Health)

ug/m3: micrograms per cubic meter

J : Indicates an estimated value

U : Indicates the analyte was analyzed for but not detected

NS: No Standard

APPENDIX A

NYSDOH Air Quality Questionnaire and Building Inventory Form

Site No.: 20202886.001A Site Name: Central Hudson Gas & Electric
 Date: 05/31/2020 Time: 1:00pm

Structure Address: 610 Little Britain Road, New Windsor, NY

Preparer's Name & Affiliation: Kevin Bradley Kleinfelder

Residential? ☐ Yes ☒ No Owner Occupied? ☒ Yes ☐ No Owner Interviewed? ☐ Yes ☒ No

Commercial? ☒ Yes ☐ No Industrial? ☐ Yes ☐ No Mixed Uses? ☐ Yes ☐ No

Identify all non-residential use(s): Electric and Gas Company

Maintenance Name: Herb Jones

Maintenance Phone: (845) 372 - 9137

Secondary Owner Phone: () _____ - _____

Owner Address (if Different): N/A

Occupant Name: Central Hudson Gas & Electric (CHGE) Occupant Phone: () _____ - _____

Number & Age of All Persons Residing at this Location: N/A (non-residential)

Additional Owner/Occupant Information: _____

Describe Structure (style, number floors, size): One Floor, concrete slab

Approximate Year Built: _____ Is the building Insulated? ☒ Yes ☐ No

Lowest Level: ☒ Slab-on-Grade ☐ Basement ☐ Crawlspace

Describe Lowest Level (Finishing, use, time spent in space): Main use – Office ; Mechanical

Floor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed: _____

Floor Condition: ☐ Good (Few or no Cracks) ☒ Average (Some Cracks) ☐ Poor (Broken Concrete or Dirt)

Sumps/Drains? ☒ Yes ☐ No Describe: Men's Bathroom, Break Room Sink, Roof Drainage, First Aid Room

Identify other floor penetrations & details: Extraction wells-sealed

Wall Construction: ☒ Concrete Block ☐ Poured Concrete ☐ Laid-Up Stone

Identify any wall penetrations: Electric, gas, drainage, duct-ventilation

Identify water, moisture, or seepage: location & severity (sump, cracks, stains, ect): _____

Heating Fuel: ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other: _____

Heating System: ☒ Forced Air ☐ Hot Water ☐ Other: _____

Hot Water System: ☐ Combustion ☒ Electric ☐ Boilermate: ☐ Other: _____

Clothes Dryer: ☐ Electric ☐ Gas ☐ Where is dryer vented to? N/A

If combustion occurs, describe where air is drawn from (cold air return, basement, external air, ect.): _____

Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to): Pull from roof - vent throughout

building: fan exhaust in garage - vent outside

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

_____ Chemical use/ storage and workshops located in vehicle bay areas and storage room, no smoking in building

Attached Garage? ☒ Yes ☐ No Air Fresheners? ☒ Yes ☐ No

New Carpet or Furniture? ☐ Yes ☒ No What/Where? _____

Recent painting or staining? ☒ Yes ☐ No Where? _____ Hallway – Over 6 months ago

Any solvent or chemical-like odors? ☒ Yes ☐ No Describe: Chemical Odor in storage room

Last time Dry Cleaned fabrics brought in? N/A What/Where? N/A

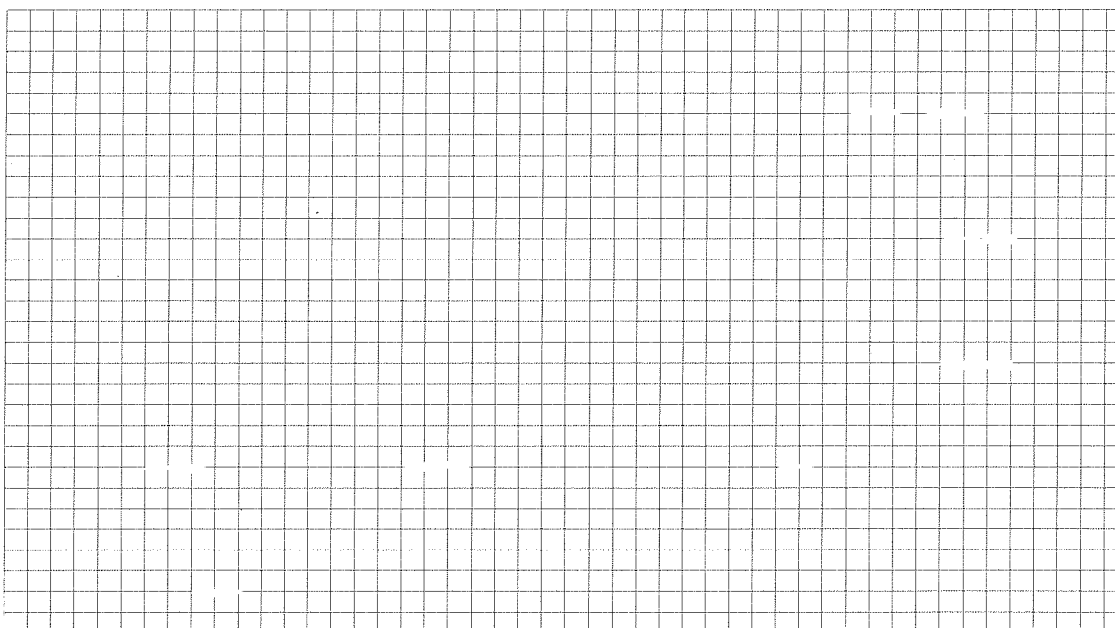
Do any building occupants use solvents at work? ☒ Yes ☐ No Describe: degreasers, cleaning agents

Any testing for Radon? ☐ Yes ☒ No Results: _____

Radon System/Soil Vapor Intrusion Mitigation System present? ☒ Yes ☐ No If yes, describe: _____

SSDS in place and active with 8 extraction wells and 3 blowers

Lowest Building Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	xxxxxxx	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	#####	Areas of broken-up concrete
WS	Wood Stoves	• ss-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	• IA-1	Location & label of indoor air samples
S	Sumps	• OA-1	Location & label of outdoor air samples
@	Floor Drains	• PFET-1	Location and label of any pressure field test holes.

Date of Event: 5/31/2020
KLF Project No. 20202886.001A
Site Name: Central Hudson Gas & Electric
PID Make & Model: ppBRAE 3000

PID Calibration Date: 5/31/2020

Description: Maintenance bays. 0 Trucks present

Nearest Air Sample Location: IA-6

Product	Photo	Quantity	Condition*	Main Ingredients	PID Reading
Waste Oil	1	4 (55g drum)	n/a	Petroleum Distillates	1,040 ppb
	1	1 (100g drum)	n/a	Petroleum Distillates	1,040 ppb
Antifreeze/Coolant	4	10	UO/U	Monoethylene Glycol	311 ppb
Transmission Fluid	4	10 (1g each)	UO/U	Distillates, Heavy, C18-50	1 ppb
Hydraulic Fluid	--	15	UO/U	Lubricant Base Oil	850 ppb
Compressor Oil	3	10	UO/U	Dec-1-ene, homopolymer, hydrogenated	310 ppb
Spray Paint	6	20 (10 oz cans)	UO/U	Acetone, Toluene, propane, Butane	280-310 ppb
Spray Adhesive	7	8	UO/U	n-Hexane, Hydrocarbon Propellant, Acetone	
Lubricants (NAPA)	--	20	UO/U	Petroleum Distillates, Acetone	
Motor Oil	7	15	UO/U	Petroleum Distillates	290 ppb
Oil	--	2 (275g tanks)	UO/U	Petroleum Distillates	295 ppb
Parts Cleaners	25	25	UO/U	No labels identified in field.	850 ppb
ABC Fire Extinguisher	5	Several	UO	Ammonium Hydrogen Sulfate	0.0 ppb
De-Icer	8	2 (55g drum)	U	Monoethylene Glycol	0.0 ppb
Flammable Cabinet	7	1	UO/U	--	454 ppb

*Unopened (UO), Used (U)

Description: Vehicle maintenance garage. 6 bays, 5 CHGE vehicles present at time of sampling

Nearest Air Sample Location: IA-9

Product	Photo	Quantity	Condition*	Main Ingredients	PID Reading
Blacktop Patch	10	20 bags @60lb	UO	Asphalt	1,540 ppb
Compressed Air Tank	9	2	U/UO	Nitrogen	0.0ppb
Trenton Wax-Tape Primer	11	3 cans @ 1g	U	Refined Mineral Oil, microcrystalline wax	0.0ppb
Gasoline	12	25g	UO/U	Gasoline, Toluene, Hexane, Xylene	247 ppb
Simple Green	2	1	U	Water	0.0ppb
ABC Fire Extinguisher	5	4	UO	Ammonium Hydrogen Sulfate	0.0 ppb
Krylon Spray Paint	12	20	UO/U	Acetone, Toluene, Propane, Butane	610 ppb
Keeler & Long Paint & Primer	13	10	UO/U	Silicone alkyl resin, solids	130 ppb
IGT Staic Supressor	12	2	U	Propylene Glyco, Nitrogen	0.0ppb
Flammable Cabinet	12	1	UO/U	--	450 ppb
CRC Power Lube	12	1	U	Petroleum distillates, Paraffin oils	0.0ppb
Romet Meter Oil	14	1	U	Mineral Oil	0.0ppb

*Unopened (UO), Used (U)

Description: Vehicle maintenance garage. 6 bays, 3 CHGE vehicles present at time of sampling

Nearest Air Sample Location: IA-2

Product	Photo	Quantity	Condition*	Main Ingredients	PID Reading
ABC Fire Extinguisher	5	2	UO	Ammonium Hydrogen Sulfate	0.0 ppb
Kingsford Charcoal Lighter Fluid	15	1	U	Petroleum distillates	0.0 ppb
Grime Away	16	1	U	Petroleum distillates, hydrotreated light; d-Limonene	0.0 ppb
Glyptal Paint Thinner	22	1	U	Xylene, Naptha, Ethylbenzene, Petroleum Distillates	1,088 ppb
Spatan Neutral Disinfectant	17	1	U	Water	0.0 ppb
Pitt Bull Spray Paint	18	1	U	Solvent naphtha, Ligroin	0.0 ppb
Keeler & Long Paint & Primer	22	3	UO/U	Silicone alkyl resin, solids	130 ppb
Aerokroil	6	3	U	Petroleum distillates, Diisobutyl ketone	22 ppb
CRC Wasp & Hornet Killer Plus	17	1	UO	Petroleum distillates	38 ppb
Rustoleum Paint	23	1	U	Acetone, Toluene, propane, Butane	0.0 ppb
Krylon Quik Mark	6	3	U	Acetone, Toluene, propane, Butane	573 ppb
AutoZone DOT 3 Brake Fluid	6	1	U	Glycol Ethers	162 ppb
Arrow 1126RB PVC Cement	6	1	U	Methyl ethyl ketone, Cyclohexanone, Tetrahydro - Furan, Acetone, Polyvinyl	271 ppb
Pro Dope Pipe Joint Compound	6	1	U	Calcium Carbonate, Petroleum-based lubricating oil, Kaolin, Menhaden oil	18 ppb
Simple Green	2	2	U	Water	3 ppb
Propane Tank	21	2	U	Propane	0.0 ppb
Oxygen Cylinder	--	1	U	Oxygen	0.0 ppb
Acetylene Dissolved Gas Cylinder	--	1	U	Acetylene	0.0 ppb
Compressed Gas Cylinder	9	1	U	Nitrogen	0.0 ppb
Sprayway Glass Cleaner	19	1	U	Ethanol, Propane, Butane, Ethanol 2- butoxy	49 ppb
Magic Stainless Steel Cleaner	20	1	U	Petroleum Gasses liquified, Petroleum distillates, White mineral oil	2 ppb
Flammable Liquid Cabinet - Locked	20	1	U	N/A	0.0 ppb

*Unopened (UO), Used (U)

Description: Vehicle maintenance garage. 8 bays, 8 CHGE vehicles present at time of sampling

Nearest Air Sample Location: IA-3

Product	Photo	Quantity	Condition*	Main Ingredients	PID Reading
Auto Xtra Break + Parts Cleaner	25	1	U	Heptane, Acetone, Carbon Dioxide	0.0 ppb
Gojo Orange Cleaner	23	1	U	C11-15 Alkane/cycloalkane, Mineral Oil	0.0 ppb
Lysol Disinfectant Spray	27	1	U	Ethyl Alcohol, Butane, Propane	
Spatan Neutral Dinfectant	27	4	U	Water	0.0 ppb
ABC Fire Extinguisher	5	2	UO	Ammonium Hydrogen Sulfate	0.0 ppb
LPS Contact Cleaner	28	2	U	Ethane, Methyl Nonafluorobutyl ether, Perfluoro Compounds	0.0 ppb
Sprayaway Glass Cleaner	19	1	U	Ethanol, Propane, Butane, Ethanol 2- butoxy	83 ppb
CRC Power Lube	23	`	U	Petroleum distillates, Paraffin oils	134 ppb
Aervoe Mark Paint	28	1	U	Acetone, Toluene, Propane, Butane	2,296 ppb
Rustoleum Spray Paint	16	2	U	Acetone, Toluene, Propane, Butane	109 ppb
CRC Wasp & Hornet Killer	17	3	U	Petroleum distillates	297 ppb
Speed Wax	--	1	U	Water	0.0 ppb
Safety Gasoline Cans (Full)	26	2	U	Gasoline	150 ppb
Pressure Washer	26	1	U	Gasoline	95 ppb
Grime Away	16	1	U	Petroleum distillates, hydrotreated light; d-Limonene	0.0 ppb

*Unopened (UO), Used (U)

Description: Product Storage Room

Nearest Air Sample Location: IA-4

	Photo	Quantity	Condition*	Main Ingredients	PID Reading
	--	4	U	--	Room Between 100 and 450 ppb
	30	1	U	Acetone, Toluene, Propane, Butane	
	30	1	U	Acetone, Toluene, Propane, Butane	
	5	5	UO	Ammonium Hydrogen Sulfate	
	8	1	U	Methyl alcohol, Ethylene Glycol	
	30	1	U	Ethanol Butane	
Hand Sanitizer	29	>100	UO	Isopropyl Alcohol	
Antibacterial Wipes	31	1	U	Water	
Spatan Neutral Dinfectant	31	1	U	Water	
	--	1	U	Isobutyl Keytone	

*Unopened (UO), Used (U)

Description: Office Space/Conference Room

Product	Photo	Quantity	Condition*	Main Ingredients	PID Reading
Household Cleaners	32	Several	U	--	25 to 47ppb
Printer Ink	--	Several	UO/U	Carbon Black, Proprietary organic materials, Glycerols, water	155 ppb
White Board Cleaner	--	Several	U	alcohol, propane-1,2-diol	0.0 ppb
Winshield Washer Fluid	34	1	U	Water, Methanol	0.0 ppb
NCL Enhance Floor Cleaner	33	1	U	Disodium Capryloamphodiacetate, Sodium Carbonate. Soduim Gluconate	0.0 ppb
ABC Fire Extinguisher	5	4	UO	Ammonium Hydrogen Sulfate	0.0 ppb
Sprayway Glass Cleaner	19	1	U	Ethanol, Propane, Butane, Ethanol 2-butoxy	155 ppb

*Unopened (UO), Used (U)

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 1: Waste Oil Containers



Photo 2: Simple Green

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 3: Compressor Oil



Photo 4: Antifreeze/Coolant & Transmission Fluid

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 5: Fire Extinguishers



Photo 6: Spray Paints Seen Throughout Facility

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 7: Flammable Cabinet & Motor Oil



Photo 8: De-Icer

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 9: Compressed Air Tank



Photo 10: Blacktop Patch

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 11: Paint Primer



Photo 12: Gasoline/diesel containers & Spray Paint

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 13: Paint Cans

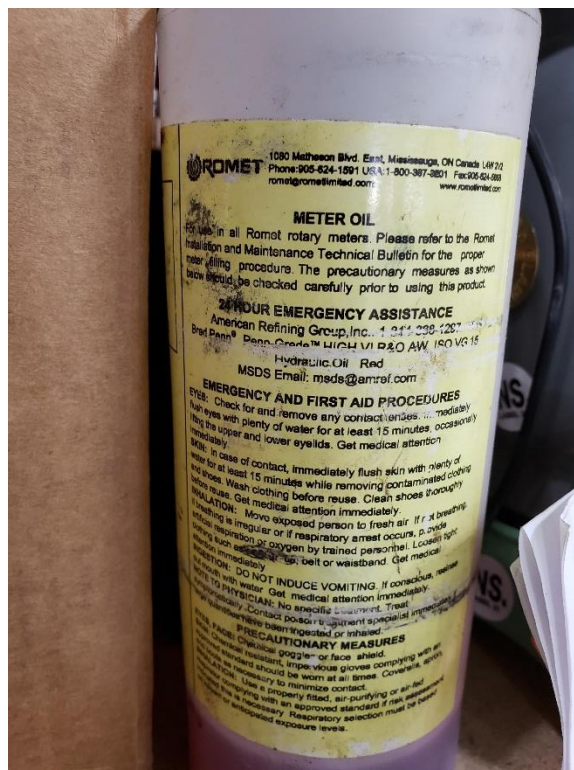


Photo 14: Romet Meter Oil

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 15: Lighter Fluid



Photo 16: Grime Away

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 17: CRC Wasp and Hornet Spray & Disinfectant



Photo 18: Pitt Bull Spray Paint

Chemical Inventory Photo Documentation

May 31st, 2020

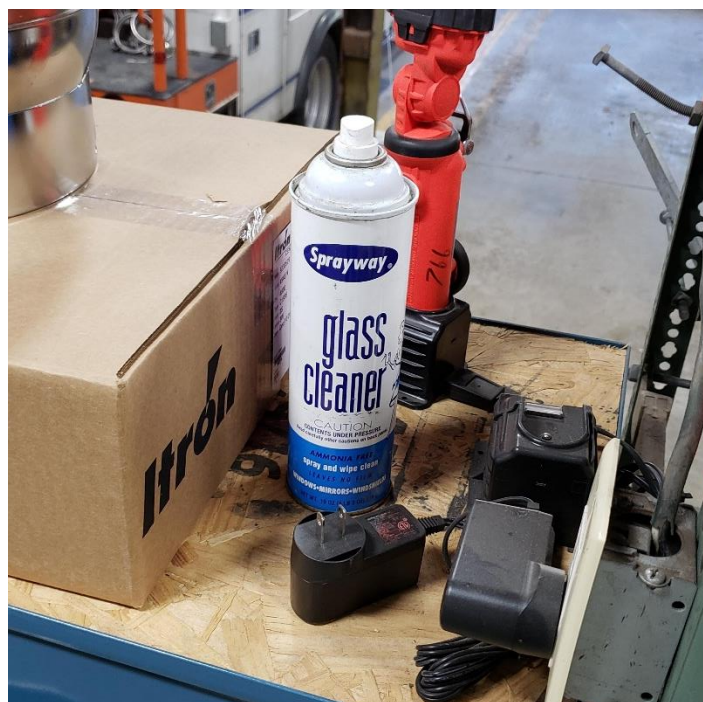


Photo 19: Sprayway Glass Cleaner



Photo 20: Cleaner & Locked Flammable Cabinet

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 21: Propane Tanks



Photo 22: Thinner & Primer

Chemical Inventory Photo Documentation

May 31st, 2020

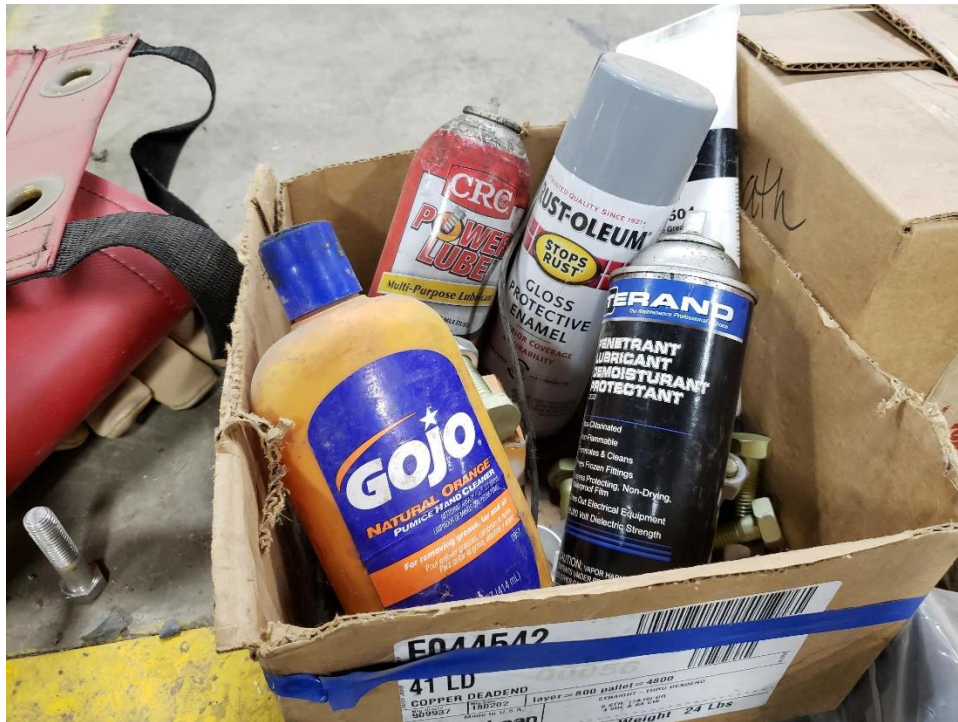


Photo 23: Gojo and Lubricants



Photo 24: Miscellaneous Aerosols

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 25: Parts Cleaner, Motor Oil, Grime-Away



Photo 26: Power Washer, Gasoline Cans

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 27: Miscellaneous Cleaners



Photo 28: Contact Cleaner, Paints

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 29: Hand Sanitizer



Photo 30: Paints and Cleaners

Chemical Inventory Photo Documentation

May 31st, 2020



Photo 31: Antibacterial Wipes



Photo 32: Household Cleaners

Chemical Inventory Photo Documentation

May 31st, 2020

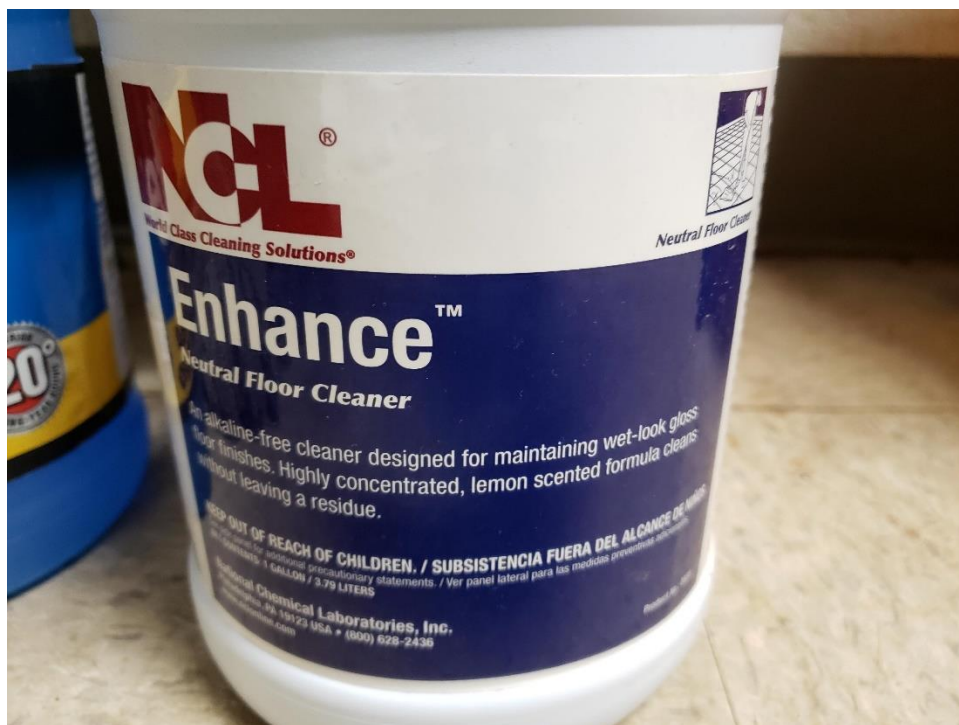


Photo 33: Floor Cleaner



Photo 34: Window Washer Fluid

APPENDIX B
NYSDOH Soil Vapor/Indoor Air Decision Matrices

Soil Vapor/Indoor Air Matrix A

May 2017

Analytes Assigned:

Trichloroethene (TCE), *cis*-1,2-Dichloroethene (c12-DCE), 1,1-Dichloroethene (11-DCE), Carbon Tetrachloride

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m ³)	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m ³)		
	< 0.2	0.2 to < 1	1 and above
< 6	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. No further action	5. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX A

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

- [1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.
- [3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.
- [4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.
- [5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.
- [6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix B

May 2017

Analytes Assigned:

Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m ³)	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m ³)		
	< 3	3 to < 10	10 and above
< 100	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
100 to < 1,000	4. No further action	5. MONITOR	6. MITIGATE
1,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX B

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

- [1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.
- [3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.
- [4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.
- [5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.
- [6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix C

May 2017

Analytes Assigned:

Vinyl Chloride

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m ³)	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m ³)	
	< 0.2	0.2 and above
< 6	1. No further action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	3. MONITOR	4. MITIGATE
60 and above	5. MITIGATE	6. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX C

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

- [1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.
- [3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.
- [4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.
- [5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.
- [6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

APPENDIX C
Laboratory Analytical Reports



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Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

Kleinfelder
610 LITTLE BRITAIN RD.

GCG03886

Ver 1

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Friday, June 05, 2020

Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Project ID: 610 LITTLE BRITAIN RD.
SDG ID: GCG03886
Sample ID#s: CG03886 - CG03913

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



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



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Kleinfelder
Project: 610 LITTLE BRITAIN RD.
Laboratory Project: GCG03886



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



NY Analytical Services Protocol Format

June 05, 2020

SDG I.D.: GCG03886

Kleinfelder 610 LITTLE BRITAIN RD.

Methodology Summary

Volatiles in Air

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



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



NY Analytical Services Protocol Format

June 05, 2020

SDG I.D.: GCG03886

Kleinfelder 610 LITTLE BRITAIN RD.

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CG03886	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03887	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03888	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03889	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03890	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03891	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03892	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03893	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03894	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03895	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03896	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03897	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03898	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03899	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03900	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03901	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03902	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03903	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03904	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03905	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03906	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03907	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03908	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03909	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03910	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03911	Volatiles (TO15)	05/31/20	06/01/20	06/01/20	KCA	Y
CG03912	Volatiles (TO15)	05/31/20	06/02/20	06/02/20	KCA	Y
CG03913	Volatiles (TO15)	05/31/20	06/02/20	06/02/20	KCA	Y



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



SDG Comments

June 05, 2020

SDG I.D.: GCG03886

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

June 05, 2020

SDG I.D.: GCG03886

Project ID: 610 LITTLE BRITAIN RD.

Client Id	Lab Id	Matrix
EW-8	CG03886	AIR
EW-2	CG03887	AIR
EW-7	CG03888	AIR
EW-6	CG03889	AIR
EW-1	CG03890	AIR
EW-3	CG03891	AIR
EW-4	CG03892	AIR
EW-5	CG03893	AIR
EW-5D	CG03894	AIR
OA-3	CG03895	AIR
OA-1	CG03896	AIR
OA-2	CG03897	AIR
OA-2D	CG03898	AIR
IA-8	CG03899	AIR
IA-10	CG03900	AIR
IA-9	CG03901	AIR
IA-3	CG03902	AIR
IA-4	CG03903	AIR
IA-7	CG03904	AIR
IA-2	CG03905	AIR
IA-6	CG03906	AIR
IA-5D	CG03907	AIR
IA-1	CG03908	AIR
IA-5	CG03909	AIR
BLOWER-2	CG03910	AIR
BLOWER-1	CG03911	AIR
BLOWER-3D	CG03912	AIR
BLOWER-3	CG03913	AIR



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



Analysis Report

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 11257

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 17:20
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03886

Project ID: 610 LITTLE BRITAIN RD.
Client ID: EW-8

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	5.43	0.421	0.421	12.9	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: EW-8

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.081	0.032	0.032	0.51	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.252	0.202	0.202	1.25	1.00	1.00	06/01/20	KCA	1
Ethanol	336	E 0.531	0.531	633	1.00	1.00	06/01/20	KCA	1 1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1 1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	2.74	0.407	0.407	6.73	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.732	0.230	0.230	3.18	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	0.360	0.339	0.339	1.06	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
o-Xylene	0.286	0.230	0.230	1.24	1.00	1.00	06/01/20	KCA	1 1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1 1
Toluene	1.14	0.266	0.266	4.29	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	0.073	0.037	0.037	0.39	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.955	0.178	0.178	5.36	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	96	%	%	96	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	90	%	%	90	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	94	%	%	94	%	%	06/01/20	KCA	1

Client ID: EW-8

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

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

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

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

Comments:

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

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 13651

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 16:59
06/01/20 8:00

Time

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03887

Project ID: 610 LITTLE BRITAIN RD.
Client ID: EW-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	1.30	0.183	0.183	7.09	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	0.894	0.247	0.247	3.62	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	0.071	0.051	0.051	0.28	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	2.03	0.421	0.421	4.82	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: EW-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.717	0.032	0.032	4.51	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	1.81	0.205	0.205	8.83	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	3.97	0.051	0.051	15.7	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.348	0.202	0.202	1.72	1.00	1.00	06/01/20	KCA	1
Ethanol	5.37	0.531	0.531	10.1	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	0.421	0.407	0.407	1.03	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.478	0.037	0.037	3.24	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	0.369	0.266	0.266	1.39	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	12.1	0.037	0.037	65.0	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.347	0.178	0.178	1.95	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	100	%	%	100	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	101	%	%	101	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	100	%	%	100	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	103	%	%	103	%	%	06/01/20	KCA	1

Client ID: EW-2

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

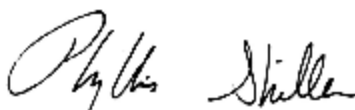
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 13645

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
05/31/20 17:15
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03888

Project ID: 610 LITTLE BRITAIN RD.
Client ID: EW-7

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	3.81	0.421	0.421	9.04	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: EW-7

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.082	0.032	0.032	0.52	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.305	0.202	0.202	1.51	1.00	1.00	06/01/20	KCA	1
Ethanol	36.3	0.531	0.531	68.4	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	1.37	0.407	0.407	3.37	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.662	0.230	0.230	2.87	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	0.255	0.230	0.230	1.11	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.051	0.037	0.037	0.35	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	0.977	0.266	0.266	3.68	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	0.378	0.037	0.037	2.03	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	1.26	0.178	0.178	7.07	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	96	%	%	96	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	96	%	%	96	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	94	%	%	94	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	95	%	%	95	%	%	06/01/20	KCA	1

Client ID: EW-7

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

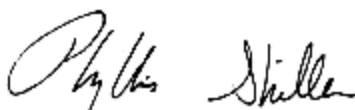
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 484

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 16:00
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03889

Project ID: 610 LITTLE BRITAIN RD.
Client ID: EW-6

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	0.065	0.051	0.051	0.26	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	0.481	0.204	0.204	2.36	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	0.420	0.204	0.204	2.06	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	14.9	0.421	0.421	35.4	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: EW-6

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.277	0.032	0.032	1.74	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	0.355	0.205	0.205	1.73	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.382	0.202	0.202	1.89	1.00	1.00	06/01/20	KCA	1
Ethanol	37.6	0.531	0.531	70.8	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	0.687	0.230	0.230	2.98	1.00	1.00	06/01/20	KCA	1
Heptane	0.526	0.244	0.244	2.15	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	0.381	0.284	0.284	1.34	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	4.31	0.407	0.407	10.6	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.895	0.230	0.230	3.88	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	0.807	0.339	0.339	2.38	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	0.285	0.230	0.230	1.24	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	1.97	0.037	0.037	13.4	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	1.37	0.266	0.266	5.16	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	6.51	0.037	0.037	35.0	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.277	0.178	0.178	1.56	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	100	%	%	100	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	103	%	%	103	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	100	%	%	100	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	103	%	%	103	%	%	06/01/20	KCA	1

Client ID: EW-6

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

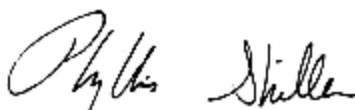
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 21356

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
05/31/20 17:04
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03890

Project ID: 610 LITTLE BRITAIN RD.
Client ID: EW-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	2.38	0.421	0.421	5.65	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: EW-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.083	0.032	0.032	0.52	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	0.257	0.051	0.051	1.02	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.411	0.202	0.202	2.03	1.00	1.00	06/01/20	KCA	1
Ethanol	13.6	0.531	0.531	25.6	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	1.18	0.407	0.407	2.90	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.286	0.230	0.230	1.24	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.129	0.037	0.037	0.87	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	0.417	0.266	0.266	1.57	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	3.16	0.037	0.037	17.0	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.299	0.178	0.178	1.68	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	98	%	%	98	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	106	%	%	106	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	103	%	%	103	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	105	%	%	105	%	%	06/01/20	KCA	1

Client ID: EW-1

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

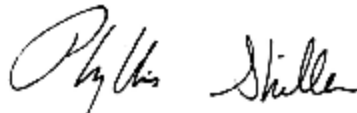
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 28559

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
05/31/20 17:26
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03891

Project ID: 610 LITTLE BRITAIN RD.
Client ID: EW-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	1.01	0.204	0.204	4.96	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	0.288	0.204	0.204	1.41	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	0.927	0.204	0.204	4.55	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	5.06	0.244	0.244	20.7	1.00	1.00	06/01/20	KCA	1
Acetone	13.3	0.421	0.421	31.6	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	1.08	0.313	0.313	3.45	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: EW-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.077	0.032	0.032	0.48	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	0.555	0.485	0.485	1.15	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	0.798	0.291	0.291	2.75	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.460	0.202	0.202	2.27	1.00	1.00	06/01/20	KCA	1
Ethanol	63.0	E 0.531	0.531	119	1.00	1.00	06/01/20	KCA	1 1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1 1
Ethylbenzene	1.18	0.230	0.230	5.12	1.00	1.00	06/01/20	KCA	1
Heptane	1.75	0.244	0.244	7.17	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	2.46	0.284	0.284	8.67	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	5.65	0.407	0.407	13.9	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	4.52	0.230	0.230	19.6	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	1.70	0.339	0.339	5.01	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
o-Xylene	1.55	0.230	0.230	6.73	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.207	0.037	0.037	1.40	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1 1
Toluene	7.51	0.266	0.266	28.3	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	0.264	0.037	0.037	1.42	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.470	0.178	0.178	2.64	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	99	%	%	99	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	100	%	%	100	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	97	%	%	97	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	101	%	%	101	%	%	06/01/20	KCA	1

Client ID: EW-3

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

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

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

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

Comments:

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

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 28568

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 15:31
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03892

Project ID: 610 LITTLE BRITAIN RD.
Client ID: EW-4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	5.24	0.421	0.421	12.4	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: EW-4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.080	0.032	0.032	0.50	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	1.89	0.051	0.051	7.49	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.492	0.202	0.202	2.43	1.00	1.00	06/01/20	KCA	1
Ethanol	16.2	0.531	0.531	30.5	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	1.73	0.407	0.407	4.25	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.690	0.230	0.230	2.99	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	1.23	0.339	0.339	3.63	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	0.254	0.230	0.230	1.10	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.166	0.037	0.037	1.13	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	0.671	0.339	0.339	1.98	1.00	1.00	06/01/20	KCA	1
Toluene	0.728	0.266	0.266	2.74	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	9.38	0.037	0.037	50.4	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.916	0.178	0.178	5.14	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	99	%	%	99	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	106	%	%	106	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	105	%	%	105	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	107	%	%	107	%	%	06/01/20	KCA	1

Client ID: EW-4

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

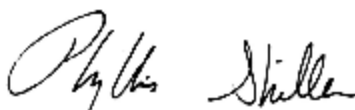
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 456

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
05/31/20 14:57
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03893

Project ID: 610 LITTLE BRITAIN RD.
Client ID: EW-5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	1.25	0.421	0.421	2.97	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: EW-5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.091	0.032	0.032	0.57	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	0.369	0.051	0.051	1.46	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.373	0.202	0.202	1.84	1.00	1.00	06/01/20	KCA	1
Ethanol	4.19	0.531	0.531	7.89	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	0.785	0.407	0.407	1.93	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.289	0.230	0.230	1.25	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.127	0.037	0.037	0.86	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	0.445	0.266	0.266	1.68	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	7.55	0.037	0.037	40.5	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.313	0.178	0.178	1.76	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	99	%	%	99	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	105	%	%	105	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	104	%	%	104	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	106	%	%	106	%	%	06/01/20	KCA	1

Client ID: EW-5

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

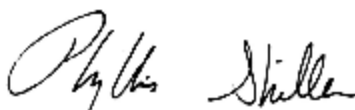
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 21320

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 14:57
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03894

Project ID: 610 LITTLE BRITAIN RD.
Client ID: EW-5D

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	1.29	0.421	0.421	3.06	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: EW-5D

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.095	0.032	0.032	0.60	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	0.374	0.051	0.051	1.48	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.385	0.202	0.202	1.90	1.00	1.00	06/01/20	KCA	1
Ethanol	6.40	0.531	0.531	12.1	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	0.548	0.407	0.407	1.35	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.297	0.230	0.230	1.29	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.132	0.037	0.037	0.89	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	0.348	0.266	0.266	1.31	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	7.57	0.037	0.037	40.7	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.324	0.178	0.178	1.82	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	98	%	%	98	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	102	%	%	102	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	100	%	%	100	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	103	%	%	103	%	%	06/01/20	KCA	1

Client ID: EW-5D

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

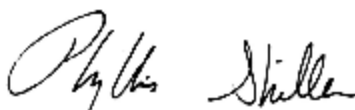
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 21361

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 16:29
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03895

Project ID: 610 LITTLE BRITAIN RD.
Client ID: OA-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	1.34	0.421	0.421	3.18	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: OA-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.076	0.032	0.032	0.48	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.273	0.202	0.202	1.35	1.00	1.00	06/01/20	KCA	1
Ethanol	0.933	0.531	0.531	1.76	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	ND	0.407	0.407	ND	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	ND	0.266	0.266	ND	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.231	0.178	0.178	1.30	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	100	%	%	100	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	106	%	%	106	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	103	%	%	103	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	105	%	%	105	%	%	06/01/20	KCA	1

Client ID: OA-3

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

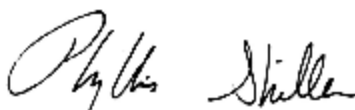
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 21359

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 16:39
06/01/20 8:00

Time

Project ID: 610 LITTLE BRITAIN RD.
Client ID: OA-1

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03896

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	1.24	0.421	0.421	2.94	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: OA-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.075	0.032	0.032	0.47	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.282	0.202	0.202	1.39	1.00	1.00	06/01/20	KCA	1
Ethanol	1.15	0.531	0.531	2.17	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	ND	0.407	0.407	ND	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	ND	0.266	0.266	ND	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.225	0.178	0.178	1.26	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	98	%	%	98	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	106	%	%	106	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	105	%	%	105	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	105	%	%	105	%	%	06/01/20	KCA	1

Client ID: OA-1

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

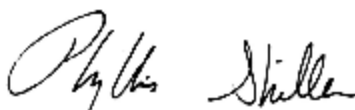
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 23349

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
05/31/20 16:26
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03897

Project ID: 610 LITTLE BRITAIN RD.
Client ID: OA-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	1.30	0.421	0.421	3.09	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: OA-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.076	0.032	0.032	0.48	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	0.494	0.485	0.485	1.02	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.259	0.202	0.202	1.28	1.00	1.00	06/01/20	KCA	1
Ethanol	2.37	0.531	0.531	4.46	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	ND	0.407	0.407	ND	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	ND	0.266	0.266	ND	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.226	0.178	0.178	1.27	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	98	%	%	98	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	106	%	%	106	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	104	%	%	104	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	105	%	%	105	%	%	06/01/20	KCA	1

Client ID: OA-2

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

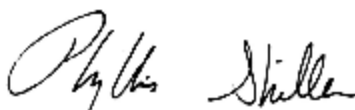
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 28614

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 16:26
06/01/20 8:00

Time

P.O.#:

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03898

Project ID: 610 LITTLE BRITAIN RD.
Client ID: OA-2D

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	1.63	0.421	0.421	3.87	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: OA-2D

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.077	0.032	0.032	0.48	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.341	0.202	0.202	1.69	1.00	1.00	06/01/20	KCA	1
Ethanol	5.09	0.531	0.531	9.6	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	0.476	0.407	0.407	1.17	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	ND	0.266	0.266	ND	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	0.041	0.037	0.037	0.22	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.232	0.178	0.178	1.30	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	99	%	%	99	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	102	%	%	102	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	101	%	%	101	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	102	%	%	102	%	%	06/01/20	KCA	1

Client ID: OA-2D

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

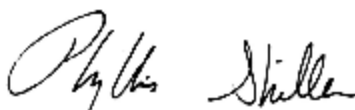
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 28552

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 16:02
06/01/20 8:00

Time

Project ID: 610 LITTLE BRITAIN RD.
Client ID: IA-8

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03899

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	2.54	0.421	0.421	6.03	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: IA-8

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.075	0.032	0.032	0.47	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.322	0.202	0.202	1.59	1.00	1.00	06/01/20	KCA	1
Ethanol	35.0	0.531	0.531	65.9	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	1.33	0.407	0.407	3.27	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	ND	0.266	0.266	ND	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.240	0.178	0.178	1.35	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	99	%	%	99	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	104	%	%	104	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	103	%	%	103	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	103	%	%	103	%	%	06/01/20	KCA	1

Client ID: IA-8

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

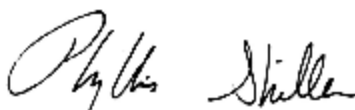
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 16010

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
05/31/20 13:58
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03900

Project ID: 610 LITTLE BRITAIN RD.
Client ID: IA-10

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	3.71	0.421	0.421	8.81	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: IA-10

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.079	0.032	0.032	0.50	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	0.538	0.485	0.485	1.11	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.407	0.202	0.202	2.01	1.00	1.00	06/01/20	KCA	1
Ethanol	47.5	E 0.531	0.531	89.4	1.00	1.00	06/01/20	KCA	1 1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1 1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	2.18	0.407	0.407	5.36	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.270	0.230	0.230	1.17	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1 1
Toluene	0.517	0.266	0.266	1.95	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.268	0.178	0.178	1.50	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	99	%	%	99	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	98	%	%	98	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	97	%	%	97	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	98	%	%	98	%	%	06/01/20	KCA	1

Client ID: IA-10

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

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

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

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

Comments:

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

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 173

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 15:39
06/01/20 8:00

Time

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03901

Project ID: 610 LITTLE BRITAIN RD.
Client ID: IA-9

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	0.279	0.204	0.204	1.37	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	0.387	0.244	0.244	1.58	1.00	1.00	06/01/20	KCA	1
Acetone	6.08	0.421	0.421	14.4	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: IA-9

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.092	0.032	0.032	0.58	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	0.636	0.485	0.485	1.31	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.693	0.202	0.202	3.42	1.00	1.00	06/01/20	KCA	1
Ethanol	60.4	E 0.531	0.531	114	1.00	1.00	06/01/20	KCA	1 1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1 1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	0.248	0.244	0.244	1.02	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	0.663	0.284	0.284	2.34	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	2.51	0.407	0.407	6.17	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.629	0.230	0.230	2.73	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	0.460	0.339	0.339	1.36	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.040	0.037	0.037	0.27	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1 1
Toluene	2.03	0.266	0.266	7.65	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	0.040	0.037	0.037	0.21	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.259	0.178	0.178	1.45	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	96	%	%	96	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	89	%	%	89	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	93	%	%	93	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	89	%	%	89	%	%	06/01/20	KCA	1

Client ID: IA-9

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

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

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

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

Comments:

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

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 215

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 15:37
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03902

Project ID: 610 LITTLE BRITAIN RD.
Client ID: IA-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	0.822	0.204	0.204	4.04	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	0.209	0.204	0.204	1.03	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	4.44	0.244	0.244	18.2	1.00	1.00	06/01/20	KCA	1
Acetone	20.4	0.421	0.421	48.4	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	1.53	0.313	0.313	4.88	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: IA-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.091	0.032	0.032	0.57	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	0.729	0.485	0.485	1.50	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	0.994	0.291	0.291	3.42	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.746	0.202	0.202	3.69	1.00	1.00	06/01/20	KCA	1
Ethanol	52.0	E 0.531	0.531	97.9	1.00	1.00	06/01/20	KCA	1 1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1 1
Ethylbenzene	0.999	0.230	0.230	4.34	1.00	1.00	06/01/20	KCA	1
Heptane	1.67	0.244	0.244	6.84	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	2.62	0.284	0.284	9.23	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	3.61	0.407	0.407	8.87	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	4.22	0.230	0.230	18.3	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	1.46	0.339	0.339	4.30	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
o-Xylene	1.28	0.230	0.230	5.55	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1 1
sec-Butylbenzene	0.822	0.182	0.182	4.51	1.00	1.00	06/01/20	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.122	0.037	0.037	0.83	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	1.16	0.339	0.339	3.42	1.00	1.00	06/01/20	KCA	1 1
Toluene	7.09	0.266	0.266	26.7	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	0.147	0.037	0.037	0.79	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.423	0.178	0.178	2.38	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	94	%	%	94	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	92	%	%	92	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	93	%	%	93	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	99	%	%	99	%	%	06/01/20	KCA	1

Client ID: IA-3

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

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

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

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

Comments:

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

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 21368

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 14:52
06/01/20 8:00

Time

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03903

Project ID: 610 LITTLE BRITAIN RD.
Client ID: IA-4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	0.547	0.204	0.204	2.69	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	2.10	0.244	0.244	8.60	1.00	1.00	06/01/20	KCA	1
Acetone	28.4	0.421	0.421	67.4	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	0.388	0.313	0.313	1.24	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: IA-4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.088	0.032	0.032	0.55	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	0.802	0.485	0.485	1.66	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.945	0.202	0.202	4.67	1.00	1.00	06/01/20	KCA	1
Ethanol	103	E 0.531	0.531	194	1.00	1.00	06/01/20	KCA	1 1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1 1
Ethylbenzene	0.813	0.230	0.230	3.53	1.00	1.00	06/01/20	KCA	1
Heptane	0.503	0.244	0.244	2.06	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	0.806	0.284	0.284	2.84	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	9.21	0.407	0.407	22.6	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	3.80	0.230	0.230	16.5	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	6.49	0.339	0.339	19.1	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
o-Xylene	1.19	0.230	0.230	5.16	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1 1
sec-Butylbenzene	0.547	0.182	0.182	3.00	1.00	1.00	06/01/20	KCA	1 1
Styrene	0.346	0.235	0.235	1.47	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.065	0.037	0.037	0.44	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	5.03	0.339	0.339	14.8	1.00	1.00	06/01/20	KCA	1 1
Toluene	3.78	0.266	0.266	14.2	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	0.095	0.037	0.037	0.51	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.857	0.178	0.178	4.81	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	96	%	%	96	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	90	%	%	90	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	91	%	%	91	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	95	%	%	95	%	%	06/01/20	KCA	1

Client ID: IA-4

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

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

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

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

Comments:

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

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 11290

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
05/31/20 16:04
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03904

Project ID: 610 LITTLE BRITAIN RD.
Client ID: IA-7

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	3.97	0.421	0.421	9.42	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: IA-7

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.083	0.032	0.032	0.52	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	0.743	0.485	0.485	1.53	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	0.329	0.291	0.291	1.13	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.875	0.202	0.202	4.32	1.00	1.00	06/01/20	KCA	1
Ethanol	45.6	E 0.531	0.531	85.9	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	2.19	0.407	0.407	5.38	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.063	0.037	0.037	0.43	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	0.320	0.266	0.266	1.21	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.264	0.178	0.178	1.48	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	93	%	%	93	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	95	%	%	95	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	94	%	%	94	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	99	%	%	99	%	%	06/01/20	KCA	1

Client ID: IA-7

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

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

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

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

Comments:

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

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 28557

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
05/31/20 15:58
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03905

Project ID: 610 LITTLE BRITAIN RD.
Client ID: IA-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	0.976	0.244	0.244	4.00	1.00	1.00	06/01/20	KCA	1
Acetone	7.66	0.421	0.421	18.2	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: IA-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.084	0.032	0.032	0.53	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	0.706	0.485	0.485	1.46	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	0.399	0.291	0.291	1.37	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.716	0.202	0.202	3.54	1.00	1.00	06/01/20	KCA	1
Ethanol	28.0	0.531	0.531	52.7	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	0.294	0.244	0.244	1.20	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	2.24	0.407	0.407	5.50	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.483	0.230	0.230	2.10	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	1.66	0.339	0.339	4.89	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	1.71	0.339	0.339	5.04	1.00	1.00	06/01/20	KCA	1
Toluene	1.34	0.266	0.266	5.05	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.266	0.178	0.178	1.49	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	96	%	%	96	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	94	%	%	94	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	98	%	%	98	%	%	06/01/20	KCA	1

Client ID: IA-2

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

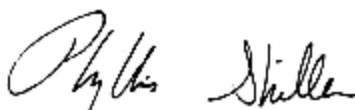
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 12871

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
05/31/20 16:21
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03906

Project ID: 610 LITTLE BRITAIN RD.
Client ID: IA-6

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	1.40	0.204	0.204	6.88	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	0.335	0.204	0.204	1.65	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	0.364	0.204	0.204	1.79	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	0.813	0.244	0.244	3.33	1.00	1.00	06/01/20	KCA	1
Acetone	36.6	0.421	0.421	86.9	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	0.755	0.313	0.313	2.41	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: IA-6

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.092	0.032	0.032	0.58	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	0.743	0.485	0.485	1.53	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	1.04	0.291	0.291	3.58	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.759	0.202	0.202	3.75	1.00	1.00	06/01/20	KCA	1
Ethanol	121	E 0.531	0.531	228	1.00	1.00	06/01/20	KCA	1 1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1 1
Ethylbenzene	2.97	0.230	0.230	12.9	1.00	1.00	06/01/20	KCA	1
Heptane	2.44	0.244	0.244	10.0	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	1.77	0.284	0.284	6.23	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	8.99	0.407	0.407	22.1	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	3.66	0.230	0.230	15.9	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	1.23	0.339	0.339	3.63	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
o-Xylene	1.03	0.230	0.230	4.47	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.698	0.037	0.037	4.73	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1 1
Toluene	6.19	0.266	0.266	23.3	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	0.898	0.037	0.037	4.82	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.283	0.178	0.178	1.59	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	97	%	%	97	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	95	%	%	95	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	101	%	%	101	%	%	06/01/20	KCA	1

Client ID: IA-6

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

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

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

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

Comments:

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

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 17157

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 14:34
06/01/20 8:00

Time

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03907

Project ID: 610 LITTLE BRITAIN RD.
Client ID: IA-5D

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	0.283	0.244	0.244	1.16	1.00	1.00	06/01/20	KCA	1
Acetone	4.25	0.421	0.421	10.1	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: IA-5D

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.080	0.032	0.032	0.50	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	0.672	0.485	0.485	1.39	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	0.405	0.291	0.291	1.39	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.666	0.202	0.202	3.29	1.00	1.00	06/01/20	KCA	1
Ethanol	46.5	E 0.531	0.531	87.6	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	0.366	0.284	0.284	1.29	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	2.58	0.407	0.407	6.34	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.548	0.230	0.230	2.38	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	0.343	0.339	0.339	1.01	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	0.908	0.266	0.266	3.42	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.245	0.178	0.178	1.38	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	93	%	%	93	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	104	%	%	104	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	103	%	%	103	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	111	%	%	111	%	%	06/01/20	KCA	1

Client ID: IA-5D

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

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

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

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

Comments:

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

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 13635

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
05/31/20 15:55
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03908

Project ID: 610 LITTLE BRITAIN RD.
Client ID: IA-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	3.88	0.421	0.421	9.21	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: IA-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.084	0.032	0.032	0.53	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	0.682	0.485	0.485	1.41	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	0.370	0.291	0.291	1.27	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.702	0.202	0.202	3.47	1.00	1.00	06/01/20	KCA	1
Ethanol	43.3	E 0.531	0.531	81.5	1.00	1.00	06/01/20	KCA	1 1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1 1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	1.87	0.407	0.407	4.59	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.040	0.037	0.037	0.27	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1 1
Toluene	0.345	0.266	0.266	1.30	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.258	0.178	0.178	1.45	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	93	%	%	93	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	99	%	%	99	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	99	%	%	99	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	107	%	%	107	%	%	06/01/20	KCA	1

Client ID: IA-1

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

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

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

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

Comments:

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

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 28560

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
05/31/20 14:34
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03909

Project ID: 610 LITTLE BRITAIN RD.
Client ID: IA-5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	0.295	0.244	0.244	1.21	1.00	1.00	06/01/20	KCA	1
Acetone	4.21	0.421	0.421	10.0	1.00	1.00	06/01/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: IA-5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.086	0.032	0.032	0.54	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	0.642	0.485	0.485	1.32	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	0.477	0.291	0.291	1.64	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.649	0.202	0.202	3.21	1.00	1.00	06/01/20	KCA	1
Ethanol	46.6	E 0.531	0.531	87.7	1.00	1.00	06/01/20	KCA	1 1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1 1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	0.398	0.284	0.284	1.40	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	2.39	0.407	0.407	5.87	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.551	0.230	0.230	2.39	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1 1
Toluene	0.974	0.266	0.266	3.67	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.242	0.178	0.178	1.36	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	94	%	%	94	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	105	%	%	105	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	104	%	%	104	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	113	%	%	113	%	%	06/01/20	KCA	1

Client ID: IA-5

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

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

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

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

Comments:

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

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 466

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
05/31/20 16:15
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03910

Project ID: 610 LITTLE BRITAIN RD.
Client ID: BLOWER-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	1.95	0.183	0.183	10.6	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	1.29	0.247	0.247	5.22	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	0.137	0.051	0.051	0.54	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	0.460	0.244	0.244	1.88	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	78.3	D 2.11	2.11	186	5.01	5.01	06/01/20	KCA	5
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: BLOWER-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	1.07	0.032	0.032	6.73	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	2.73	0.205	0.205	13.3	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	5.68	0.051	0.051	22.5	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.441	0.202	0.202	2.18	1.00	1.00	06/01/20	KCA	1
Ethanol	14.9	0.531	0.531	28.1	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	0.277	0.230	0.230	1.20	1.00	1.00	06/01/20	KCA	1
Heptane	0.450	0.244	0.244	1.84	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	2.63	0.407	0.407	6.46	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.567	0.230	0.230	2.46	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	1.35	0.339	0.339	3.98	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.864	0.037	0.037	5.86	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	0.774	0.266	0.266	2.92	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	19.6	0.037	0.037	105	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.500	0.178	0.178	2.81	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	0.094	0.078	0.078	0.24	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	99	%	%	99	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	92	%	%	92	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	92	%	%	92	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	96	%	%	96	%	%	06/01/20	KCA	1
% Bromofluorobenzene (5x)	99	%	%	99	%	%	06/01/20	KCA	5
% IS-1,4-Difluorobenzene (5x)	97	%	%	97	%	%	06/01/20	KCA	5
% IS-Bromochloromethane (5x)	95	%	%	95	%	%	06/01/20	KCA	5
% IS-Chlorobenzene-d5 (5x)	99	%	%	99	%	%	06/01/20	KCA	5

Client ID: BLOWER-2

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

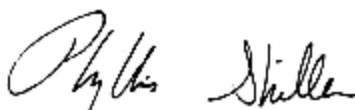
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 12862

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 16:20
06/01/20 8:00

Time

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03911

Project ID: 610 LITTLE BRITAIN RD.
Client ID: BLOWER-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	2.17	0.183	0.183	11.8	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	1.19	0.247	0.247	4.81	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	0.119	0.051	0.051	0.47	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	0.299	0.244	0.244	1.22	1.00	1.00	06/01/20	KCA	1
Acetone	78.6	D 8.42	8.42	187	20.0	20.0	06/01/20	KCA	20
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: BLOWER-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	1.09	0.032	0.032	6.85	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	2.60	0.205	0.205	12.7	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	5.14	0.051	0.051	20.4	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	0.436	0.291	0.291	1.50	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.798	0.202	0.202	3.94	1.00	1.00	06/01/20	KCA	1
Ethanol	15.3	0.531	0.531	28.8	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	0.233	0.230	0.230	1.01	1.00	1.00	06/01/20	KCA	1
Heptane	0.315	0.244	0.244	1.29	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	1.94	0.407	0.407	4.77	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.506	0.230	0.230	2.20	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	1.12	0.339	0.339	3.30	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.825	0.037	0.037	5.59	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	0.663	0.266	0.266	2.50	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	20.2	0.037	0.037	108	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.436	0.178	0.178	2.45	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	0.084	0.078	0.078	0.21	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	95	%	%	95	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	106	%	%	106	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	105	%	%	105	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	116	%	%	116	%	%	06/01/20	KCA	1
% Bromofluorobenzene (20x)	92	%	%	92	%	%	06/01/20	KCA	20
% IS-1,4-Difluorobenzene (20x)	112	%	%	112	%	%	06/01/20	KCA	20
% IS-Bromochloromethane (20x)	105	%	%	105	%	%	06/01/20	KCA	20
% IS-Chlorobenzene-d5 (20x)	117	%	%	117	%	%	06/01/20	KCA	20

Client ID: BLOWER-1

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

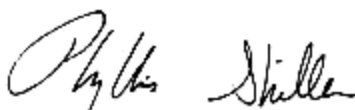
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 13634

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 15:04
06/01/20 8:00

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03912

Project ID: 610 LITTLE BRITAIN RD.
Client ID: BLOWER-3D

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	0.555	0.244	0.244	2.27	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	370	D 12.6	12.6	878	29.9	29.9	06/02/20	KCA	30
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: BLOWER-3D

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.091	0.032	0.032	0.57	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	0.107	0.051	0.051	0.42	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	0.395	0.291	0.291	1.36	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.822	0.202	0.202	4.06	1.00	1.00	06/01/20	KCA	1
Ethanol	24.9	0.531	0.531	46.9	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	0.279	0.244	0.244	1.14	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	2.30	0.407	0.407	5.65	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.323	0.230	0.230	1.40	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	2.52	0.339	0.339	7.43	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	5.68	0.581	0.581	9.8	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.074	0.037	0.037	0.50	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	0.334	0.266	0.266	1.26	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	1.93	0.037	0.037	10.4	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.968	0.178	0.178	5.44	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	97	%	%	97	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	100	%	%	100	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	99	%	%	99	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	112	%	%	112	%	%	06/01/20	KCA	1
% Bromofluorobenzene (10x)	91	%	%	91	%	%	06/02/20	KCA	10
% IS-1,4-Difluorobenzene (10x)	101	%	%	101	%	%	06/02/20	KCA	10
% IS-Bromochloromethane (10x)	98	%	%	98	%	%	06/02/20	KCA	10
% IS-Chlorobenzene-d5 (10x)	111	%	%	111	%	%	06/02/20	KCA	10

Client ID: BLOWER-3D

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% Bromofluorobenzene (30x)	99	%	%	99	%	%	06/02/20	KCA	30
% IS-1,4-Difluorobenzene (30x)	107	%	%	107	%	%	06/02/20	KCA	30
% IS-Bromochloromethane (30x)	106	%	%	106	%	%	06/02/20	KCA	30
% IS-Chlorobenzene-d5 (30x)	106	%	%	106	%	%	06/02/20	KCA	30

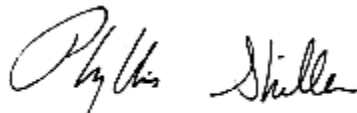
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

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

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Sample Information

Matrix: AIR
Location Code: KLEINFL-AIR
Rush Request: 24 Hour
P.O.#:
Canister Id: 21369

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date

05/31/20 15:04
06/01/20 8:00

Time

Laboratory Data

SDG ID: GCG03886
Phoenix ID: CG03913

Project ID: 610 LITTLE BRITAIN RD.
Client ID: BLOWER-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	06/01/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	06/01/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	06/01/20	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	06/01/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	06/01/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	06/01/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	06/01/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
2-Hexanone(MBK)	0.570	0.244	0.244	2.33	1.00	1.00	06/01/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	06/01/20	KCA	1
Acetone	376	D 12.6	12.6	893	29.9	29.9	06/02/20	KCA	30
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	06/01/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	06/01/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	06/01/20	KCA	1

Client ID: BLOWER-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	06/01/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	06/01/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	06/01/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	06/01/20	KCA	1
Carbon Tetrachloride	0.091	0.032	0.032	0.57	0.20	0.20	06/01/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	06/01/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	06/01/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	06/01/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	06/01/20	KCA	1
Cis-1,2-Dichloroethene	0.113	0.051	0.051	0.45	0.20	0.20	06/01/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Cyclohexane	0.373	0.291	0.291	1.28	1.00	1.00	06/01/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	06/01/20	KCA	1
Dichlorodifluoromethane	0.802	0.202	0.202	3.96	1.00	1.00	06/01/20	KCA	1
Ethanol	25.4	0.531	0.531	47.8	1.00	1.00	06/01/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Heptane	0.260	0.244	0.244	1.06	1.00	1.00	06/01/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	06/01/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	06/01/20	KCA	1
Isopropylalcohol	2.37	0.407	0.407	5.82	1.00	1.00	06/01/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	06/01/20	KCA	1
m,p-Xylene	0.329	0.230	0.230	1.43	1.00	1.00	06/01/20	KCA	1
Methyl Ethyl Ketone	2.58	0.339	0.339	7.60	1.00	1.00	06/01/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	06/01/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	06/01/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	06/01/20	KCA	1
Propylene	5.39	0.581	0.581	9.27	1.00	1.00	06/01/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	06/01/20	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	06/01/20	KCA	1
Tetrachloroethene	0.070	0.037	0.037	0.47	0.25	0.25	06/01/20	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	06/01/20	KCA	1
Toluene	0.348	0.266	0.266	1.31	1.00	1.00	06/01/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	06/01/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	06/01/20	KCA	1
Trichloroethene	1.97	0.037	0.037	10.6	0.20	0.20	06/01/20	KCA	1
Trichlorofluoromethane	0.953	0.178	0.178	5.35	1.00	1.00	06/01/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	06/01/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	06/01/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	96	%	%	96	%	%	06/01/20	KCA	1
% IS-1,4-Difluorobenzene	109	%	%	109	%	%	06/01/20	KCA	1
% IS-Bromochloromethane	101	%	%	101	%	%	06/01/20	KCA	1
% IS-Chlorobenzene-d5	119	%	%	119	%	%	06/01/20	KCA	1
% Bromofluorobenzene (10x)	93	%	%	93	%	%	06/02/20	KCA	10
% IS-1,4-Difluorobenzene (10x)	101	%	%	101	%	%	06/02/20	KCA	10
% IS-Bromochloromethane (10x)	98	%	%	98	%	%	06/02/20	KCA	10
% IS-Chlorobenzene-d5 (10x)	109	%	%	109	%	%	06/02/20	KCA	10

Client ID: BLOWER-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% Bromofluorobenzene (30x)	99	%	%	99	%	%	06/02/20	KCA	30
% IS-1,4-Difluorobenzene (30x)	103	%	%	103	%	%	06/02/20	KCA	30
% IS-Bromochloromethane (30x)	102	%	%	102	%	%	06/02/20	KCA	30
% IS-Chlorobenzene-d5 (30x)	103	%	%	103	%	%	06/02/20	KCA	30

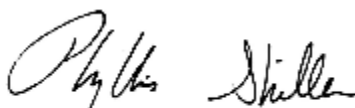
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

June 05, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Canister Sampling Information

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Location Code: KLEINFL-AIR

SDG I.D.: GCG03886

Project ID: 610 LITTLE BRITAIN RD.

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
EW-8	CG03886	11257	6.0L	7046	05/21/20	-30	-13	10.8	10.9	0.9	-30	-13	05/31/20 9:04	05/31/20 17:20
EW-2	CG03887	13651	6.0L	4979	05/21/20	-30	-4	10.8	11.1	2.7	-30	-4	05/31/20 4:55	05/31/20 16:59
EW-7	CG03888	13645	6.0L	5592	05/21/20	-30	-14	10.8	11	1.8	-30	-14.5	05/31/20 9:08	05/31/20 17:15
EW-6	CG03889	484	6.0L	7426	05/21/20	-30	-5	10.8	10.8	0.0	-30	-4	05/31/20 3:57	05/31/20 16:00
EW-1	CG03890	21356	6.0L	3504	05/21/20	-30	-5	87	89	2.3	-30	-5	05/31/20 12:59	05/31/20 17:04
EW-3	CG03891	28559	6.0L	5353	05/21/20	-30	-17	87	83	4.7	-27	-18	05/31/20 12:47	05/31/20 17:26
EW-4	CG03892	28568	6.0L	3502	05/21/20	-30	-7	87	92	5.6	-30	-6	05/31/20 13:30	05/31/20 15:31
EW-5	CG03893	456	6.0L	5616	05/21/20	-30	-5	173	176	1.7	-28	-5	05/31/20 12:32	05/31/20 14:57
EW-5D	CG03894	21320	6.0L	3220	04/24/20	-30		43						
EW-5D	CG03894	21320	6.0L	5616	05/21/20	-30	-5	173	176	1.7	-28	-5	05/31/20 12:32	05/31/20 14:57
OA-3	CG03895	21361	6.0L	5388	05/21/20	-30	-8	10.8	10.9	0.9	-30	-7	05/31/20 9:34	05/31/20 16:29
OA-1	CG03896	21359	6.0L	3260	05/21/20	-30	-7	10.8	11.1	2.7	-30	-8	05/31/20 9:40	05/31/20 16:39
OA-2	CG03897	23349	6.0L	7008	05/21/20	-30	-9	10.8	10.8	0.0	-30	-8	05/31/20 9:20	05/31/20 16:26
OA-2D	CG03898	28614	6.0L	3510	05/21/20	-30	-7	10.8	10.9	0.9	-30	-7	05/31/20 9:20	05/31/20 16:26



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



Canister Sampling Information

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Location Code: KLEINFL-AIR

SDG I.D.: GCG03886

Project ID: 610 LITTLE BRITAIN RD.

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-8	CG03899	28552	6.0L	5594	05/21/20	-30	-6	10.8	10.6	1.9	-30	-7	05/31/20 8:55	05/31/20 16:02
IA-10	CG03900	16010	6.0L	7011	05/21/20	-30	-1	10.8	11	1.8	-30	0	05/31/20 7:52	05/31/20 13:58
IA-9	CG03901	173	6.0L	6985	05/21/20	-30	-8	10.8	10.9	0.9	-30	-7	05/31/20 8:40	05/31/20 15:39
IA-3	CG03902	215	6.0L	7004	05/21/20	-30	-8	10.8	11	1.8	-30	-7	05/31/20 8:25	05/31/20 15:37
IA-4	CG03903	21368	6.0L	7000	05/21/20	-30	-8	10.8	10.1	6.7	-28	-6	05/31/20 7:55	05/31/20 14:52
IA-7	CG03904	11290	6.0L	6991	05/21/20	-30	-6	10.8	11	1.8	-29	-6	05/31/20 9:00	05/31/20 16:04
IA-2	CG03905	28557	6.0L	4966	05/21/20	-30	-6	10.8	10.8	0.0	-30	-6	05/31/20 8:32	05/31/20 15:58
IA-6	CG03906	12871	6.0L	5030	05/21/20	-30	-7	10.8	10.1	6.7	-30	-7	05/31/20 8:43	05/31/20 16:21
IA-5D	CG03907	17157	6.0L	7017	05/21/20	-30	-10	10.8	11.1	2.7	-30	-12	05/31/20 8:13	05/31/20 14:34
IA-1	CG03908	13635	6.0L	5357	05/21/20	-30	-6	10.8	11.5	6.3	-30	-6	05/31/20 8:52	05/31/20 15:55
IA-5	CG03909	28560	6.0L	7031	05/21/20	-30	-14	10.8	11.7	8.0	-29	-7	05/31/20 8:13	05/31/20 14:34
BLOWER-2	CG03910	466	6.0L	3506	05/21/20	-30		10.8	14.5	29.2	-30	-4	05/31/20 16:12	05/31/20 16:15
BLOWER-1	CG03911	12862	6.0L	6986	05/21/20	-30	-9	10.8	10.7	0.9	-30	-6	05/31/20 16:17	05/31/20 16:20
BLOWER-3D	CG03912	13634	6.0L	4960	05/21/20	-30	-5	173	176	1.7	-29	-5	05/31/20 13:33	05/31/20 15:04



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



Canister Sampling Information

June 05, 2020

FOR: Attn: Ms. Amber Caputo
Kleinfelder
200 Corporate Place
Suite 310
Rocky Hill, CT 06067

Location Code: KLEINFL-AIR

SDG I.D.: GCG03886

Project ID: 610 LITTLE BRITAIN RD.

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
BLOWER-3	CG03913	21369	6.0L	4960	05/21/20	-30	-5	173	176	1.7	-30	-5	05/31/20 13:33	05/31/20 15:04



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



QA/QC Report

June 05, 2020

QA/QC Data

SDG I.D.: GCG03886

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

QA/QC Batch 531748 (ppbv), QC Sample No: CG03910 (CG03886, CG03887, CG03888, CG03889, CG03890, CG03891, CG03892, CG03893, CG03894, CG03895, CG03896, CG03897, CG03898, CG03899, CG03900, CG03910 (1X, 5X))

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	111	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	109	10.6	10.5	1.95	1.93	1.0	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	107	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	103	5.22	5.10	1.29	1.26	2.4	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	107	0.54	0.50	0.137	0.127	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	89	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	113	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	107	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	107	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	86	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	102	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	111	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	109	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	114	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	106	1.88	2.16	0.460	0.528	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	102	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	89	186	184	78.4	77.6	1.0	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	101	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	119	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	124	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	106	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	113	6.73	6.66	1.07	1.06	0.9	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	107	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	108	13.3	13.2	2.73	2.70	1.1	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	119	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	106	22.5	22.3	5.68	5.62	1.1	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	119	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	87	2.18	2.06	0.441	0.416	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCG03886

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	0.530	ND	1.00	78	28.1	27.7	14.9	14.7	1.4	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	110	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	108	1.20	1.15	0.277	0.265	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	99	1.84	1.81	0.450	0.443	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	104	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	97	6.46	6.36	2.63	2.59	1.5	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	110	2.46	2.34	0.567	0.539	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	102	3.98	3.92	1.35	1.33	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	102	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	111	5.86	5.92	0.864	0.873	1.0	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	106	2.92	2.90	0.774	0.770	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	105	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	109	105	103	19.6	19.2	2.1	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	111	2.81	2.65	0.500	0.472	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	106	0.24	0.24	0.094	0.092	NC	70 - 130	25
% Bromofluorobenzene	98	%	98	%	99	99	100	99	100	NC	70 - 130	25
% IS-1,4-Difluorobenzene	99	%	99	%	92	92	94	92	94	NC	60 - 140	25
% IS-Bromochloromethane	98	%	98	%	90	92	94	92	94	NC	60 - 140	25
% IS-Chlorobenzene-d5	100	%	100	%	93	96	99	96	99	NC	60 - 140	25

QA/QC Batch 531876 (ppbv), QC Sample No: CG03912 (CG03901, CG03902, CG03903, CG03904, CG03905, CG03906, CG03907, CG03908, CG03909, CG03911 (1X, 20X) , CG03912 (1X, 10X) , CG03913 (1X, 10X))

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	94	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	118	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	104	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	87	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	89	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	75	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	110	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	110	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	96	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	86	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	97	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	103	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	113	2.27	2.28	0.555	0.556	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCG03886

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
4-Ethyltoluene	ND	0.200	ND	0.98	113	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	110	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	112	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	93	575	572	242	241	0.4	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	80	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	131	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	91	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	87	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	95	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	88	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	108	0.57	0.62	0.091	0.099	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	83	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	95	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	106	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	82	0.42	ND	0.107	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	121	1.36	1.33	0.395	0.388	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	95	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	116	4.06	4.11	0.822	0.832	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	75	46.9	48.0	24.9	25.5	2.4	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	87	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	117	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	108	1.14	1.02	0.279	0.249	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	71	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	84	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	84	5.65	5.85	2.30	2.38	3.4	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	115	1.40	1.41	0.323	0.326	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	91	7.43	7.60	2.52	2.58	2.4	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	96	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	89	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	112	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	134	9.8	9.7	5.67	5.65	0.4	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	110	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	118	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	89	0.50	0.50	0.074	0.074	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	160	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	106	1.26	1.29	0.334	0.343	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	88	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	98	10.4	10.6	1.93	1.97	2.1	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	101	5.44	5.47	0.968	0.975	0.7	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	83	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	94	%	94	%	97	97	97	97	97	NC	70 - 130	25
% IS-1,4-Difluorobenzene	98	%	98	%	102	100	105	100	105	NC	60 - 140	25
% IS-Bromochloromethane	102	%	102	%	100	99	98	99	98	NC	60 - 140	25
% IS-Chlorobenzene-d5	99	%	99	%	111	112	113	112	113	NC	60 - 140	25

QA/QC Data

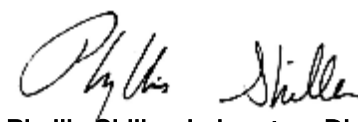
SDG I.D.: GCG03886

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 531891 (ppbv), QC Sample No: CG03913 (CG03912 (30X) , CG03913 (30X))												
Volatiles												
Acetone	ND	12.6	ND	29.9	86	893	900	376	379	0.8	70 - 130	25
% Bromofluorobenzene	98		98		99	99	99	99	99	NC	70 - 130	25
% IS-1,4-Difluorobenzene	105	%	105	%	101	103	101	103	101	NC	60 - 140	25
% IS-Bromochloromethane	104	%	104	%	101	102	102	102	102	NC	60 - 140	25
% IS-Chlorobenzene-d5	104	%	104	%	102	103	102	103	102	NC	60 - 140	25

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

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

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


 Phyllis Shiller, Laboratory Director
 June 05, 2020

Sample Criteria Exceedances Report

GCG03886 - KLEINFL-AIR

Criteria: None

State: NY

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

*** No Data to Display ***

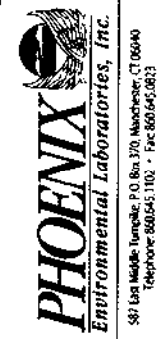
Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information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

PEL-115 Rev. 9/2019

CHAIN OF CUSTODY RECORD

AIR ANALYSES

800-827-5426
email: greg@phoenixlabs.com



Report to: Amber Caputo		Project Name:		Data Format: (Circle) Equis Excel		Other:	
Customer: Kleinfelder		Invoice to:		Requested Deliverable: ASP CAT B		RCP	
Address:		Sampled by:		MCP		NJ Deliverables	
Quote Number:							

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (in Hg)	Incoming Canister Pressure (in Hg)	Flow Regulator ID #	Flow Controller Setting (ml/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (in Hg)	Canister Pressure at End (in Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	APH	ANALYSES
456	6.0	30	6.0	30	30	21.7	21.7											
2130	6.0	30	6.0	30	30	21.7	21.7											

THIS SECTION FOR LAB USE ONLY

Accepted by: **[Signature]** Date: **6/16/2016**

Relinquished by: **[Signature]** Date: **6/16/2016**

Signature: **[Signature]** Date: **6/16/2016**

State Where Samples Collected: **CT**

Turnaround Time: ☒ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day ☐ 5 Day

Requested Criteria: (Please Circle) MA: **Indoor Air: Residential** **Indoor Air: Commercial** **Soil Gas: Residential** **Soil Gas: Commercial**

Requested Deliverable: **TAC I/C** **TAC RES** **SVWC I/C** **SVWC RES** **GWV I/C** **GWV RES**

PA: **Indoor Air: Residential** **Indoor Air: Commercial** **Non-Residential** **Sub-slab** **Industrial**

VE: **Indoor Air: Residential** **Indoor Air: Commercial** **Non-Residential** **Sub-slab** **Industrial**

SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION:
All 28 samples reported under (1) group.
"T" - Set up
Duplicate - SSDS LEGS

CHAIN OF CUSTODY RECORD AIR ANALYSES

P.O. #

Page 3 of 12



587 East Middle Turnpike, P.O. Box 370, Westchester, CT 06090
Telephone: 860.645.1102 • Fax: 860.645.0823

800-827-5426

email: greg@phoenixlabs.com

Data Delivery:

☐ Fax #:

☐ Email:

☐ Phone #:

Report to: Amber Caputo		Project Name:		Data Format: (Circle) Equis Excel Other:	
Customer: Kleinfelder		Invoice to:		Requested Deliverable: RCP ASP CAT B	
Address:		Sampled by:		MCP NJ Deliverables	
Quote Number:					

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (ml/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (C) Composite (C)	TO-15	ANALYSES
03890	EW-1	21356	60	-30	-5	5712	87	12:59	5:04	5/3/20	-30	-5			X C X		
03891	EW-3	28559	60	-30	-17	4493		12:47	5:26	5/3/20	-27	-18			X C X		
03892	EW-4	28568			-7	5356		1:30	3:31	5/3/20	-30	-6			X C X		

THIS SECTION FOR LAB USE ONLY

Requisitioned by: **Allen** Date: **6/1/20** Time: **8:00**

Accepted by: **[Signature]** Date: **6/1/20** Time: **8:00**

Signature: _____ Date: _____

State Where Samples Collected: _____

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
Report all 28 samples under 1 group.
(7X1HR)
REGS
S6125-LEGS

Turnaround Time: 1 Day ☒ 2 Day ☐ 3 Day ☐ 4 Day ☐ 5 Day ☐	Requested Criteria: CT: TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV RES	(Please Circle) M/A: Indoor Air: Residential Ind/Commercial: Soil Gas: Residential Ind/Commercial: Residential	NJ: Indoor Air: Residential Ind/Commercial: Soil Gas: Residential Ind/Commercial: Residential	NE: Vapor Intrusion	PA: Indoor Air: Residential Non-residential	VT: Indoor Air: Residential Industrial Sub-slab Residential Industrial



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CHAIN OF CUSTODY RECORD AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. #

Page 6 of 12

Data Delivery:

☐ Fax #:

☐ Email:

☐ Phone #:

Report to: Amber Caputo

Customer: Kleinfelder

Address:

Project Name:

Invoice to:

Sampled by:

Data Format:

(Circle)

Excel

Other:

ASP CAT B

Requested Deliverable:

RCP

MCP

NI Deliverables

Quote Number:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (ml/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	HAH
THIS SECTION FOR LAB USE ONLY																	
03895	OA-3	21361	600	-30	-8	5288	108	9:34	4:29	5/3/20	-30	-7	X	C	C	X	
03896	OA-1	21359			-7	3360		9:40	4:39	5/3/20	-30	-8	X	C	C	X	
03897	OA-2	23349			-9	7008		9:20	4:26	5/5/20	-30	-8	X	C	C	X	
03898	OA-2D	28614			-7	3510		9:20	4:26	5/5/20	-30	-7	X	C	C	X	

Relinquished by:

Accepted by:

Date:

Time:

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:

Turnaround Time:

1 Day

2 Day

3 Day

4 Day

5 Day

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

Report all 28 samples in (1) group.

(sup) 160 (8HR)

(3X6.0 (8HR))

Ambient outdoor

Requested Criteria:

MA:

Indoor Air Residential

Ind/Commercial

Soil Gas Residential

Ind/Commercial

Indoor Air Residential

Ind/Commercial

Soil Gas Residential

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Report to: Amber Caputo						Project Name:						Data Format: (Circle) Equis Excel Other:					
Customer: Klein felder						Invoice to:						Requested Deliverable: RCP ASP-CAT B					
Address:						Sampled by:						MCP NJ Deliverables					
						Quote Number:											
Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	ANALYSES
		28556	60.0	-30		5659	10.8										
		28587	60.0	-30		5592	10.8										
~~THIS SECTION FOR LAB USE ONLY~~																	
Relinquished by: _____ Accepted by: _____ Date: 6/11/20 Signature: _____																	
State Where Samples Collected: _____ Turnaround Time: 1 Day ☒ 2 Day ☐ 3 Day ☐ 4 Day ☐ 5 Day ☐																	
SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION: Report all 28 samples under 1 group (256.0) (8#)																	
2-Spare																	
Requested Criteria: CL: TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV CES Please Circle MA: Indoor Air: Residential Ind/Commercial Soil Gas: Residential Ind/Commercial Vapor Intrusion Indoor Air: Residential Non-residential Industrial Sub-slab Residential Indoor Air: Residential																	



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CHAIN OF CUSTODY RECORD

AIR ANALYSES

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P.O. #

Page

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Data Delivery:

☐ Fax #:

☐ Email:

☐ Phone #:

Other:

Excel

Equis

(Circle)

Data Format:

Requested Deliverable:

RCP

MCP

NJ Deliverables

Quote Number:

Project Name:

Invoice to:

Sampled by:

Report to:

Customer:

Address:

Client Sample ID

Phoenix ID #

03910

03911

Blower-2

Blower-1

466

12862

6.0

6.0

-30

-30

-4

-6

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4:17

4:15

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06/05/2020

Phoenix Environmental Laboratories, Inc.

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NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Kleinfelder

610 LITTLE BRITAIN RD.

Laboratory Project: GCG03886

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.

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: GCG03886

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: 610 LITTLE BRITAIN RD., Kleinfelder

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: CG03910 LCS

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

Sample: CG03912 LCS

All LCS recoveries met criteria with the following exceptions: Propylene 134%, Tetrahydrofuran 160%, Benzene 131%

Sample: CG03913 LCS

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

Form 4 (Method Blank):

File: CHEM24 0601_06.D

All compounds were non-detect with the following exceptions: None.

File: CHEM20 0601_09.D

All compounds were non-detect with the following exceptions: None.

File: CHEM24 0602_05.D

All compounds were non-detect with the following exceptions: None,

Form 5 (Tune):

File: CHEM20 0522_02.D

All Tune criteria was met with the following exceptions: None.

File: CHEM20 0601_05.D

All Tune criteria was met with the following exceptions: None.

File: CHEM24 0528_02.D

All Tune criteria was met with the following exceptions: None.

File: CHEM24 0601_02.D

All Tune criteria was met with the following exceptions: None.

File: CHEM24 0602_01.D

All Tune criteria was met with the following exceptions: None.

Form 6 (Initial Calibration):



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



SDG: GCG03886

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: 610 LITTLE BRITAIN RD., Kleinfelder

Calibration: CHEM20 05/22/20 - 05/22/20
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.

Calibration: CHEM24 05/28/20 - 05/28/20
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.

Form 7 (Continuing Calibration):

File: CHEM20 0601_05.D (Opening)
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.

File: CHEM24 0601_02.D (Opening)
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: Carbon Disulfide -30.2% (30)

File: CHEM24 0602_01.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: CHEM20 - 20_AIR_0522.M / 0601_05.D Full
All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0522.M / 0601_05.D Sim
All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0522.M / Average Full
All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0522.M / Average Sim
All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24AIR_0528.M / 0601_02.D Full
All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24AIR_0528.M / 0601_02.D Sim
All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24AIR_0528.M / 0602_01.D Full
All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24AIR_0528.M / 0602_01.D Sim
All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24AIR_0528.M / Average Full
All samples met internal standard area and retention time criteria with the following exceptions: None.



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



SDG: GCG03886

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: 610 LITTLE BRITAIN RD., Kleinfelder

File: CHEM24 - 24AIR_0528.M / Average Sim

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

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

06/04/20

Alejandro Paredes

Project Manager

Lab Name:	Phoenix Environmental Labs	Client:	KLEINFL-AIR
Lab Code:	Phoenix	Case No.:	SDG: GCG03886
QC Batch Id:	531748	QC Sample Id:	CG03910

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CG03910 LCS	CG03910 LCS	99				0
02	CG03910 BLANK	CG03910 BLANK	98				0
03	BLOWER-2	CG03910	99				0
04	BLOWER-2 DUP	CG03910 DUP	100				0
05	BLOWER-2 5X	CG03910 5X	99				0
06	EW-8	CG03886	96				0
07	EW-2	CG03887	100				0
08	EW-7	CG03888	96				0
09	EW-6	CG03889	100				0
10	EW-1	CG03890	98				0
11	EW-3	CG03891	99				0
12	EW-4	CG03892	99				0
13	EW-5	CG03893	99				0
14	EW-5D	CG03894	98				0
15	OA-3	CG03895	100				0
16	OA-1	CG03896	98				0
17	OA-2	CG03897	98				0
18	OA-2D	CG03898	99				0
19	IA-8	CG03899	99				0
20	IA-10	CG03900	99				0
21							
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27							
28							
29							
30							

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

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Lab Name:	Phoenix Environmental Labs	Client:	KLEINFL-AIR
Lab Code:	Phoenix	Case No.:	SDG: GCG03886
QC Batch Id:	531876	QC Sample Id:	CG03912

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CG03912 LCS	CG03912 LCS	97				0
02	CG03912 BLANK	CG03912 BLANK	94				0
03	IA-9	CG03901	96				0
04	IA-3	CG03902	94				0
05	IA-4	CG03903	96				0
06	IA-7	CG03904	93				0
07	IA-2	CG03905	96				0
08	IA-6	CG03906	97				0
09	IA-5D	CG03907	93				0
10	IA-1	CG03908	93				0
11	IA-5	CG03909	94				0
12	BLOWER-1	CG03911	96				0
13	BLOWER-3D	CG03912	97				0
14	BLOWER-3D DUP	CG03912 DUP	97				0
15	BLOWER-3	CG03913	96				0
16	BLOWER-1 20X	CG03911 20X	92				0
17							
18							
19							
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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

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Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: SDG: GCG03886

QC Batch Id: 531891 QC Sample Id: CG03913

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CG03913 LCS	CG03913 LCS	99				0
02	CG03913 BLANK	CG03913 BLANK	98				0
03	BLOWER-3D 30X	CG03912 30X	99				0
04	BLOWER-3 30X	CG03913 30X	99				0
05	BLOWER-3 DUP 30X	CG03913 DUP 30X	99				0
06							
07							
08							
09							
10							
11							
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30							

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

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3
AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCG03886
 LCS - Client Id: CG03910 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		9.845	98	70	130
Dichlorodifluoromethane	10		8.712	87	70	130
Chloromethane	10		11.95	120	70	130
1,2-Dichlorotetrafluoroethane	10		8.616	86	70	130
Vinyl Chloride	10		10.60	106	70	130
1,3-Butadiene	10		10.15	102	70	130
Bromomethane	10		10.57	106	70	130
Chloroethane	10		10.11	101	70	130
Ethanol	10		7.845	78	70	130
Acetone	10		8.926	89	70	130
Trichlorofluoromethane	10		11.09	111	70	130
Isopropylalcohol	10		9.720	97	70	130
Acrylonitrile	10		9.531	95	70	130
1,1-Dichloroethene	10		10.66	107	70	130
Methylene Chloride	10		10.22	102	70	130
Carbon Disulfide	10		11.03	110	70	130
Trichlorotrifluoroethane	10		11.20	112	70	130
Trans-1,2-Dichloroethene	10		10.46	105	70	130
1,1-Dichloroethane	10		10.33	103	70	130
Methyl tert-butyl ether(MTBE)	10		10.31	103	70	130
Methyl Ethyl Ketone	10		10.21	102	70	130
Cis-1,2-Dichloroethene	10		10.58	106	70	130
Hexane	10		10.37	104	70	130
Chloroform	10		10.79	108	70	130
Ethyl acetate	10		10.99	110	70	130
Tetrahydrofuran	10		10.01	100	70	130
1,2-Dichloroethane	10		10.67	107	70	130
1,1,1-Trichloroethane	10		10.87	109	70	130
Benzene	10		10.07	101	70	130
Carbon Tetrachloride	10		11.27	113	70	130
Cyclohexane	10		10.11	101	70	130
1,2-dichloropropane	10		10.68	107	70	130
Bromodichloromethane	10		11.25	113	70	130
Trichloroethene	10		10.87	109	70	130
1,4-Dioxane	10		11.39	114	70	130
Heptane	10		9.936	99	70	130
cis-1,3-Dichloropropene	10		10.70	107	70	130
4-Methyl-2-pentanone(MIBK)	10		10.69	107	70	130
trans-1,3-Dichloropropene	10		11.14	111	70	130
1,1,2-Trichloroethane	10		10.78	108	70	130
Toluene	10		10.55	106	70	130
Dibromochloromethane	10		11.86	119	70	130
2-Hexanone(MBK)	10		10.61	106	70	130
1,2-Dibromoethane(EDB)	10		10.98	110	70	130

FORM III AIR

LCS - Client Id: CG03910 LCS

[illegible]

3
AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCG03886
 LCS - Client Id: CG03912 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		13.38	134 *	70	130
Dichlorodifluoromethane	10		11.58	116	70	130
Chloromethane	10		10.56	106	70	130
1,2-Dichlorotetrafluoroethane	10		9.578	96	70	130
Vinyl Chloride	10		8.307	83	70	130
1,3-Butadiene	10		8.645	86	70	130
Bromomethane	10		9.549	95	70	130
Chloroethane	10		8.254	83	70	130
Ethanol	10		7.500	75	70	130
Acetone	10		9.269	93	70	130
Trichlorofluoromethane	10		10.13	101	70	130
Isopropylalcohol	10		8.363	84	70	130
Acrylonitrile	10		7.959	80	70	130
1,1-Dichloroethene	10		8.913	89	70	130
Methylene Chloride	10		8.881	89	70	130
Carbon Disulfide	10		8.847	88	70	130
Trichlorotrifluoroethane	10		9.425	94	70	130
Trans-1,2-Dichloroethene	10		8.764	88	70	130
1,1-Dichloroethane	10		8.741	87	70	130
Methyl tert-butyl ether(MTBE)	10		9.573	96	70	130
Methyl Ethyl Ketone	10		9.079	91	70	130
Cis-1,2-Dichloroethene	10		8.249	82	70	130
Hexane	10		8.355	84	70	130
Chloroform	10		9.493	95	70	130
Ethyl acetate	10		8.671	87	70	130
Tetrahydrofuran	10		15.98	160 *	70	130
1,2-Dichloroethane	10		11.01	110	70	130
1,1,1-Trichloroethane	10		11.75	118	70	130
Benzene	10		13.08	131 *	70	130
Carbon Tetrachloride	10		10.77	108	70	130
Cyclohexane	10		12.06	121	70	130
1,2-dichloropropane	10		10.02	100	70	130
Bromodichloromethane	10		9.111	91	70	130
Trichloroethene	10		9.753	98	70	130
1,4-Dioxane	10		9.944	99	70	130
Heptane	10		10.83	108	70	130
cis-1,3-Dichloropropene	10		9.991	100	70	130
4-Methyl-2-pentanone(MIBK)	10		11.16	112	70	130
trans-1,3-Dichloropropene	10		10.48	105	70	130
1,1,2-Trichloroethane	10		9.976	100	70	130
Toluene	10		10.61	106	70	130
Dibromochloromethane	10		9.456	95	70	130
2-Hexanone(MBK)	10		11.26	113	70	130
1,2-Dibromoethane(EDB)	10		10.47	105	70	130

FORM III AIR

LCS - Client Id: CG03912 LCS

FORM III AIR

3
AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR

Lab Code: Phoenix Case No: SAS No: SDG No GCG03886

LCS - Client Id: CG03913 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		9.728	97	70	130
Dichlorodifluoromethane	10		8.657	87	70	130
Chloromethane	10		7.713	77	70	130
1,2-Dichlorotetrafluoroethane	10		8.753	88	70	130
Vinyl Chloride	10		10.33	103	70	130
1,3-Butadiene	10		9.841	98	70	130
Bromomethane	10		10.39	104	70	130
Chloroethane	10		10.03	100	70	130
Ethanol	10		7.625	76	70	130
Acetone	10		8.554	86	70	130
Trichlorofluoromethane	10		11.28	113	70	130
Isopropylalcohol	10		9.325	93	70	130
Acrylonitrile	10		9.261	93	70	130
1,1-Dichloroethene	10		10.60	106	70	130
Methylene Chloride	10		10.03	100	70	130
Carbon Disulfide	10		10.79	108	70	130
Trichlorotrifluoroethane	10		11.27	113	70	130
Trans-1,2-Dichloroethene	10		10.14	101	70	130
1,1-Dichloroethane	10		10.09	101	70	130
Methyl tert-butyl ether(MTBE)	10		9.949	99	70	130
Methyl Ethyl Ketone	10		9.873	99	70	130
Cis-1,2-Dichloroethene	10		10.15	102	70	130
Hexane	10		9.907	99	70	130
Chloroform	10		10.43	104	70	130
Ethyl acetate	10		10.63	106	70	130
Tetrahydrofuran	10		9.802	98	70	130
1,2-Dichloroethane	10		10.45	105	70	130
1,1,1-Trichloroethane	10		10.58	106	70	130
Benzene	10		9.563	96	70	130
Carbon Tetrachloride	10		10.98	110	70	130
Cyclohexane	10		9.784	98	70	130
1,2-dichloropropane	10		10.46	105	70	130
Bromodichloromethane	10		11.12	111	70	130
Trichloroethene	10		10.53	105	70	130
1,4-Dioxane	10		10.87	109	70	130
Heptane	10		9.935	99	70	130
cis-1,3-Dichloropropene	10		10.43	104	70	130
4-Methyl-2-pentanone(MIBK)	10		10.66	107	70	130
trans-1,3-Dichloropropene	10		10.97	110	70	130
1,1,2-Trichloroethane	10		10.53	105	70	130
Toluene	10		10.32	103	70	130
Dibromochloromethane	10		11.60	116	70	130
2-Hexanone(MBK)	10		10.45	105	70	130
1,2-Dibromoethane(EDB)	10		10.77	108	70	130

FORM III AIR

LCS - Client Id: CG03913 LCS

FORM III AIR

4A
AIR METHOD BLANK SUMMARY

Client ID

CG03910 BLANK

Lab Name: Phoenix Environmental Labs

Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCG03886

Lab File ID: 0601_06.D

Lab Sample ID: CG03910 BLK

Date Analyzed: 06/01/2020

Time Analyzed: 08:51

GC Column: RTX-VMS

Lab Batch ID: 531748

Instrument ID: CHEM24

Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CG03910 LCS	CG03910 LCS	0601_04.D	07:49
02	BLOWER-2	CG03910	0601_07.D	09:28
03	BLOWER-2 DUP	CG03910 DUP	0601_08.D	10:05
04	BLOWER-2 5X	CG03910 5X	0601_09.D	10:37
05	EW-8	CG03886	0601_10.D	11:18
06	EW-2	CG03887	0601_11.D	11:55
07	EW-7	CG03888	0601_12.D	12:31
08	EW-6	CG03889	0601_13.D	13:08
09	EW-1	CG03890	0601_14.D	13:45
10	EW-3	CG03891	0601_15.D	14:32
11	EW-4	CG03892	0601_16.D	15:09
12	EW-5	CG03893	0601_17.D	15:45
13	EW-5D	CG03894	0601_18.D	16:22
14	OA-3	CG03895	0601_19.D	16:59
15	OA-1	CG03896	0601_20.D	17:36
16	OA-2	CG03897	0601_21.D	18:12
17	OA-2D	CG03898	0601_22.D	18:49
18	IA-8	CG03899	0601_23.D	19:26
19	IA-10	CG03900	0601_24.D	20:03
20				

COMMENTS:

FORM IV AIR

4A
AIR METHOD BLANK SUMMARY

Client ID

CG03912 BLANK

Lab Name: Phoenix Environmental Labs

Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCG03886

Lab File ID: 0601_09.D

Lab Sample ID: CG03912 BLK

Date Analyzed: 06/01/2020

Time Analyzed: 12:46

GC Column: RTX-1 60M

Lab Batch ID: 531876

Instrument ID: CHEM20

Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CG03912 LCS	CG03912 LCS	0601_07.D	11:37
02	IA-9	CG03901	0601_10.D	13:29
03	IA-3	CG03902	0601_11.D	14:10
04	IA-4	CG03903	0601_12.D	14:51
05	IA-7	CG03904	0601_13.D	15:32
06	IA-2	CG03905	0601_14.D	16:13
07	IA-6	CG03906	0601_15.D	16:53
08	IA-5D	CG03907	0601_16.D	17:34
09	IA-1	CG03908	0601_17.D	18:15
10	IA-5	CG03909	0601_18.D	18:56
11	BLOWER-1	CG03911	0601_19.D	19:37
12	BLOWER-3D	CG03912	0601_20.D	20:17
13	BLOWER-3D DUP	CG03912 DUP	0601_21.D	20:58
14	BLOWER-3	CG03913	0601_22.D	21:38
15	BLOWER-1 20X	CG03911 20X	0602_01.D	23:49
16				
17				
18				
19				
20				

COMMENTS:

FORM IV AIR

4A
AIR METHOD BLANK SUMMARY

Client ID

CG03913 BLANK

Lab Name: Phoenix Environmental Labs

Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCG03886

Lab File ID: 0602_05.D

Lab Sample ID: CG03913 BLK

Date Analyzed: 06/02/2020

Time Analyzed: 04:43

GC Column: RTX-VMS

Lab Batch ID: 531891

Instrument ID: CHEM24

Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CG03913 LCS	CG03913 LCS	0602_03.D	03:41
02	BLOWER-3D 30X	CG03912 30X	0602_06.D	09:17
03	BLOWER-3 30X	CG03913 30X	0602_07.D	09:49
04	BLOWER-3 DUP 30X	CG03913 DUP 30X	0602_08.D	10:22
05				
06				
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18				
19				
20				

COMMENTS: _____

FORM IV AIR

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG03886

Lab File ID: 0522_02.D BFB Injection Date: 05/22/20

Instrument ID: CHEM20 BFB Injection Time: 12:25

GC Column: RTX-1 60M Heated Purge: (Y/N) Y

AutoFind: Scans 804, 805, 806; Background Corrected with Scan 800

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	26.7
75	30.0 - 66.0% of mass 95	58.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	86.5
175	4.0 - 9.0% of mass 174	7.6 (6.6)1
176	93.0 - 101.0% of mass 174	95.6 (82.7)1
177	5.0 - 9.0% of mass 176	6.7 (5.5)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	0522_03.D	05/22/20	13:01	
02	ICAL 0.035	0.035	0522_04.D	05/22/20	13:37	
03	ICAL 0.05	0.05	0522_05.D	05/22/20	14:13	
04	ICAL 0.1	0.1	0522_06.D	05/22/20	14:49	
05	ICAL 0.5	0.5	0522_07.D	05/22/20	15:27	
06	ICAL 2.5	2.5	0522_08.D	05/22/20	16:05	
07	ICAL 5	5.0	0522_09.D	05/22/20	16:41	
08	ICAL 25	25	0522_10.D	05/22/20	17:19	
09	ICAL 40	40	0522_11.D	05/22/20	17:59	
10	ICAL 1	1.0ppb cc	0522_13.D	05/22/20	19:10	
11	ICAL 0.2	0.2ppb	0522_14.D	05/22/20	19:47	
12	ICAL 10	10ppb cc	0522_15.D	05/22/20	20:23	
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_02.D
 Acq On : 22 May 2020 12:25 pm
 Operator :
 Sample : 0/0
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:42:19 2020

AutoFind: Scans 804, 805, 806; Background Corrected with Scan 800

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	26.7	223592	PASS
75	95	30	66	58.7	491445	PASS
95	95	100	100	100.0	837739	PASS
96	95	5	9	6.4	53865	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	86.5	724352	PASS
175	174	4	9	7.6	55375	PASS
176	174	93	101	95.6	692523	PASS
177	176	5	9	6.7	46171	PASS

20_AIR_0522.M Wed May 27 10:42:52 2020

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCG03886

Lab File ID: 0601_05.D

BFB Injection Date: 06/01/20

Instrument ID: CHEM20

BFB Injection Time: 10:23

GC Column: RTX-1 60M

Heated Purge: (Y/N) Y

AutoFind: Scans 804, 805, 806; Background Corrected with Scan 799

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	25.4
75	30.0 - 66.0% of mass 95	56.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	81.3
175	4.0 - 9.0% of mass 174	7.4 (6.0)1
176	93.0 - 101.0% of mass 174	95.5 (77.7)1
177	5.0 - 9.0% of mass 176	6.5 (5.0)1

1-Value is % mass 95

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

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 1	1ppb cc	0601_05.D	06/01/20	10:23	
02	CG03912 LCS	CG03912 LCS	0601_07.D	06/01/20	11:37	
03	CG03912 BLANK	CG03912 BLANK	0601_09.D	06/01/20	12:46	
04	IA-9	CG03901	0601_10.D	06/01/20	13:29	
05	IA-3	CG03902	0601_11.D	06/01/20	14:10	
06	IA-4	CG03903	0601_12.D	06/01/20	14:51	
07	IA-7	CG03904	0601_13.D	06/01/20	15:32	
08	IA-2	CG03905	0601_14.D	06/01/20	16:13	
09	IA-6	CG03906	0601_15.D	06/01/20	16:53	
10	IA-5D	CG03907	0601_16.D	06/01/20	17:34	
11	IA-1	CG03908	0601_17.D	06/01/20	18:15	
12	IA-5	CG03909	0601_18.D	06/01/20	18:56	
13	BLOWER-1	CG03911	0601_19.D	06/01/20	19:37	
14	BLOWER-3D	CG03912	0601_20.D	06/01/20	20:17	
15	BLOWER-3D DUP	CG03912 DUP	0601_21.D	06/01/20	20:58	
16	BLOWER-3	CG03913	0601_22.D	06/01/20	21:38	
17	BLOWER-1 20X	CG03911 20X	0602_01.D	06/01/20	23:49	
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_05.D
 Acq On : 1 Jun 2020 10:23 am
 Operator :
 Sample : 1ppb cc (Sig #1); 0/0 (Sig #2)
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:44:07 2020

AutoFind: Scans 804, 805, 806; Background Corrected with Scan 799

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.4	214400	PASS
75	95	30	66	56.0	472149	PASS
95	95	100	100	100.0	842923	PASS
96	95	5	9	6.6	55451	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	81.3	685227	PASS
175	174	4	9	7.4	50611	PASS
176	174	93	101	95.5	654592	PASS
177	176	5	9	6.5	42269	PASS

20_AIR_0522.M Mon Jun 01 11:51:30 2020

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCG03886

Lab File ID: 0528_02.D

BFB Injection Date: 05/28/20

Instrument ID: CHEM24

BFB Injection Time: 10:19

GC Column: RTX-VMS

Heated Purge: (Y/N) Y

AutoFind: Scans 1668, 1669, 1670; Background Corrected with Scan 1660

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.9
75	30.0 - 66.0% of mass 95	45.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	83.9
175	4.0 - 9.0% of mass 174	7.1 (5.9)1
176	93.0 - 101.0% of mass 174	97.3 (81.6)1
177	5.0 - 9.0% of mass 176	6.5 (5.3)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	0528_03.D	05/28/20	10:50	
02	ICAL 0.035	0.035	0528_04.D	05/28/20	11:22	
03	ICAL 0.05	0.05	0528_05.D	05/28/20	11:54	
04	ICAL 0.1	0.10	0528_06.D	05/28/20	12:26	
05	ICAL 0.5	0.5	0528_07.D	05/28/20	13:03	
06	ICAL 2.5	2.5	0528_08.D	05/28/20	13:40	
07	ICAL 5	5.0	0528_09.D	05/28/20	14:12	
08	ICAL 25	25	0528_10.D	05/28/20	14:49	
09	ICAL 40	40	0528_11.D	05/28/20	15:28	
10	ICAL 1	1ppb	0528_13.D	05/28/20	16:33	
11	ICAL 0.2	0.2ppb	0528_14.D	05/28/20	17:07	
12	ICAL 10	10ppb	0528_15.D	05/28/20	17:40	
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_02.D
 Acq On : 28 May 2020 10:19 am
 Operator : Keith
 Sample : 0/0
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:22:49 2020

AutoFind: Scans 1668, 1669, 1670; Background Corrected with Scan 1660

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.9	46360	PASS
75	95	30	66	45.8	118944	PASS
95	95	100	100	100.0	259456	PASS
96	95	5	9	6.5	16966	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	83.9	217643	PASS
175	174	4	9	7.1	15362	PASS
176	174	93	101	97.3	211797	PASS
177	176	5	9	6.5	13702	PASS

24AIR_0528.M Fri May 29 08:24:38 2020

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCG03886

Lab File ID: 0601_02.D

BFB Injection Date: 06/01/20

Instrument ID: CHEM24

BFB Injection Time: 06:38

GC Column: RTX-VMS

Heated Purge: (Y/N) Y

AutoFind: Scans 1668, 1669, 1670; Background Corrected with Scan 1660

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.1
75	30.0 - 66.0% of mass 95	46.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 120.0% of mass 95	84.9
175	4.0 - 9.0% of mass 174	6.8 (5.8)1
176	93.0 - 101.0% of mass 174	97.2 (82.5)1
177	5.0 - 9.0% of mass 176	6.6 (5.5)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	1.0ppb cc	0601_02.D	06/01/20	06:38	
02	CG03910 LCS	CG03910 LCS	0601_04.D	06/01/20	07:49	
03	CG03910 BLANK	CG03910 BLANK	0601_06.D	06/01/20	08:51	
04	BLOWER-2	CG03910	0601_07.D	06/01/20	09:28	
05	BLOWER-2 DUP	CG03910 DUP	0601_08.D	06/01/20	10:05	
06	BLOWER-2 5X	CG03910 5X	0601_09.D	06/01/20	10:37	
07	EW-8	CG03886	0601_10.D	06/01/20	11:18	
08	EW-2	CG03887	0601_11.D	06/01/20	11:55	
09	EW-7	CG03888	0601_12.D	06/01/20	12:31	
10	EW-6	CG03889	0601_13.D	06/01/20	13:08	
11	EW-1	CG03890	0601_14.D	06/01/20	13:45	
12	EW-3	CG03891	0601_15.D	06/01/20	14:32	
13	EW-4	CG03892	0601_16.D	06/01/20	15:09	
14	EW-5	CG03893	0601_17.D	06/01/20	15:45	
15	EW-5D	CG03894	0601_18.D	06/01/20	16:22	
16	OA-3	CG03895	0601_19.D	06/01/20	16:59	
17	OA-1	CG03896	0601_20.D	06/01/20	17:36	
18	OA-2	CG03897	0601_21.D	06/01/20	18:12	
19	OA-2D	CG03898	0601_22.D	06/01/20	18:49	
20	IA-8	CG03899	0601_23.D	06/01/20	19:26	
21	IA-10	CG03900	0601_24.D	06/01/20	20:03	
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_02.D
 Acq On : 1 Jun 2020 6:38 am
 Operator : Keith
 Sample : 1.0ppb cc
 Misc :
 ALS Vial : 132 Sample Multiplier: 1

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

Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:22:49 2020

AutoFind: Scans 1668, 1669, 1670; Background Corrected with Scan 1660

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.1	44448	PASS
75	95	30	66	46.6	114744	PASS
95	95	100	100	100.0	246037	PASS
96	95	5	9	6.6	16265	PASS
173	174	0.00	2	0.5	975	PASS
174	95	50	120	84.9	208917	PASS
175	174	4	9	6.8	14266	PASS
176	174	93	101	97.2	202965	PASS
177	176	5	9	6.6	13413	PASS

24AIR_0528.M Mon Jun 01 11:19:16 2020

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCG03886

Lab File ID: 0602_01.D

BFB Injection Date: 06/02/20

Instrument ID: CHEM24

BFB Injection Time: 02:30

GC Column: RTX-VMS

Heated Purge: (Y/N) Y

AutoFind: Scans 1669, 1670, 1671; Background Corrected with Scan 1661

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.6
75	30.0 - 66.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 120.0% of mass 95	84.0
175	4.0 - 9.0% of mass 174	6.9 (5.8)1
176	93.0 - 101.0% of mass 174	97.7 (82.1)1
177	5.0 - 9.0% of mass 176	6.5 (5.4)1

1-Value is % mass 95

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

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 1	1.0PPB CC	0602_01.D	06/02/20	02:30	
02	CG03913 LCS	CG03913 LCS	0602_03.D	06/02/20	03:41	
03	CG03913 BLANK	CG03913 BLANK	0602_05.D	06/02/20	04:43	
04	BLOWER-3D 30X	CG03912 30X	0602_06.D	06/02/20	09:17	
05	BLOWER-3 30X	CG03913 30X	0602_07.D	06/02/20	09:49	
06	BLOWER-3 DUP 30X	CG03913 DUP 30X	0602_08.D	06/02/20	10:22	
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_01.D
 Acq On : 2 Jun 2020 2:30 am
 Operator : Keith
 Sample : 1.0PPB CC
 Misc :
 ALS Vial : 159 Sample Multiplier: 1

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

Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:22:49 2020

AutoFind: Scans 1669, 1670, 1671; Background Corrected with Scan 1661

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.6	41421	PASS
75	95	30	66	47.5	105744	PASS
95	95	100	100	100.0	222635	PASS
96	95	5	9	6.7	14913	PASS
173	174	0.00	2	0.5	899	PASS
174	95	50	120	84.0	187029	PASS
175	174	4	9	6.9	12920	PASS
176	174	93	101	97.7	182720	PASS
177	176	5	9	6.5	11906	PASS

24AIR_0528.M Tue Jun 02 08:33:27 2020

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG03886
 Lab Method / File Id: 20_AIR_0522.M / Average Date Analyzed: 05/22/20
 Instrument ID: CHEM20 Time Analyzed: 19:10
 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
12 HOUR STD	724410	6.77	2267025	7.98	1367253	10.52			Average
UPPER LIMIT	1017795	7.10	3185170	8.31	1920990	10.85			Average
LOWER LIMIT	431024	6.44	1348880	7.65	813515	10.19			Average
CLIENT ID									
01 ICAL 0.5	733213	6.77	2129563	7.98	1213154	10.52			0522_07.D
02 ICAL 2.5	721185	6.76	2248456	7.98	1255074	10.52			0522_08.D
03 ICAL 5	733293	6.77	2303700	7.98	1335429	10.52			0522_09.D
04 ICAL 25	721646	6.78	2333124	7.99	1574083	10.53			0522_10.D
05 ICAL 40	738129	6.78	2484801	7.99	1787987	10.53			0522_11.D
06 ICAL 1	715206	6.77	2275481	7.98	1235836	10.52			0522_13.D
07 ICAL 0.2	746656	6.78	2214580	7.99	1219577	10.52			0522_14.D
08 ICAL 10	685948	6.78	2146495	7.99	1316883	10.53			0522_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: KLEINFL-AIR
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG03886
 Lab Method / File Id: 20_AIR_0522.M / Average Date Analyzed: 05/22/20
 Instrument ID: CHEM20 Time Analyzed: 19:10
 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
12 HOUR STD	752062	6.77	2435901	7.98	1335320	10.52			Average
UPPER LIMIT	1056648	7.10	3422441	8.31	1876125	10.85			Average
LOWER LIMIT	447477	6.44	1449361	7.65	794515	10.19			Average
CLIENT ID									
01 ICAL 0.02	759321	6.77	2407431	7.98	1304171	10.52			0522_03.D
02 ICAL 0.035	755479	6.78	2367661	7.98	1286554	10.53			0522_04.D
03 ICAL 0.05	751176	6.76	2342949	7.98	1270257	10.52			0522_05.D
04 ICAL 0.1	753001	6.77	2352922	7.98	1282595	10.52			0522_06.D
05 ICAL 0.5	744343	6.76	2392777	7.98	1308817	10.52			0522_07.D
06 ICAL 2.5	754321	6.76	2503089	7.98	1372266	10.52			0522_08.D
07 ICAL 5	766966	6.77	2572731	7.98	1434279	10.52			0522_09.D
08 ICAL 1	756049	6.77	2535309	7.98	1353847	10.52			0522_13.D
09 ICAL 0.2	762019	6.79	2475173	7.98	1323328	10.52			0522_14.D
10 ICAL 10	717948	6.79	2408966	7.98	1417086	10.52			0522_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: KLEINFL-AIR
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG03886
 Lab Method / File Id: 20_AIR_0522.M / 0601_05.D Date Analyzed: 06/01/20
 Instrument ID: CHEM20 Time Analyzed: 10:23
 GC Column: RTX-1 60M ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
12 HOUR STD	595470	6.77	2286735	7.98	1179299	10.52			0601_05.D
UPPER LIMIT	836635	7.10	3212863	8.31	1656915	10.85			0601_05.D
LOWER LIMIT	354305	6.44	1360607	7.65	701683	10.19			0601_05.D
CLIENT ID									
01 CCAL 1	595470	6.77	2286735	7.98	1179299	10.52			0601_05.D
02 CG03912 LCS	596190	6.77	2329449	7.98	1309366	10.52			0601_07.D
03 CG03912 BLANK	606765	6.78	2243949	7.98	1172997	10.52			0601_09.D
04 IA-9	554774	6.77	2034188	7.98	1052967	10.52			0601_10.D
05 IA-3	555204	6.77	2113149	7.98	1168161	10.52			0601_11.D
06 IA-4	543179	6.76	2048086	7.97	1122037	10.52			0601_12.D
07 IA-7	561321	6.77	2163576	7.98	1166576	10.52			0601_13.D
08 IA-2	558113	6.78	2115411	7.98	1154206	10.52			0601_14.D
09 IA-6	566819	6.78	2125465	7.98	1186287	10.52			0601_15.D
10 IA-5D	614264	6.77	2381995	7.98	1305716	10.52			0601_16.D
11 IA-1	588295	6.77	2261218	7.98	1258349	10.52			0601_17.D
12 IA-5	618333	6.77	2397551	7.98	1327953	10.52			0601_18.D
13 BLOWER-1	622598	6.78	2429188	7.98	1373026	10.52			0601_19.D
14 BLOWER-3D	587390	6.79	2281858	7.99	1315565	10.52			0601_20.D
15 BLOWER-3D DUP	583319	6.79	2397792	7.99	1335694	10.52			0601_21.D
16 BLOWER-3	602443	6.78	2495796	7.98	1408029	10.52			0601_22.D
17 BLOWER-1 20X	628015	6.77	2552138	7.98	1375084	10.52			0602_01.D
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: KLEINFL-AIR
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG03886
 Lab Method / File Id: 20_AIR_0522.M / 0601_05.D Date Analyzed: 06/01/20
 Instrument ID: CHEM20 Time Analyzed: 10:23
 GC Column: RTX-1 60M ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
12 HOUR STD	637481	6.77	2584911	7.98	1310915	10.52			0601_05.D
UPPER LIMIT	895661	7.10	3631800	8.31	1841836	10.85			0601_05.D
LOWER LIMIT	379301	6.44	1538022	7.65	779994	10.19			0601_05.D
CLIENT ID									
01 CCAL 1	637481	6.77	2584911	7.98	1310915	10.52			0601_05.D
02 CG03912 LCS	628758	6.78	2659958	7.98	1447470	10.52			0601_07.D
03 CG03912 BLANK	633517	6.79	2575887	7.98	1306070	10.52			0601_09.D
04 IA-9	588111	6.78	2379196	7.98	1173542	10.52			0601_10.D
05 IA-3	588825	6.77	2431168	7.98	1287898	10.52			0601_11.D
06 IA-4	580287	6.76	2349803	7.97	1228551	10.52			0601_12.D
07 IA-7	603497	6.77	2474033	7.98	1287086	10.52			0601_13.D
08 IA-2	594633	6.79	2407544	7.98	1277025	10.52			0601_14.D
09 IA-6	603156	6.79	2436756	7.98	1301730	10.52			0601_15.D
10 IA-5D	656618	6.78	2736376	7.98	1436326	10.52			0601_16.D
11 IA-1	622924	6.78	2569835	7.98	1378326	10.52			0601_17.D
12 IA-5	661090	6.77	2751907	7.98	1474762	10.52			0601_18.D
13 BLOWER-1	667047	6.79	2784241	7.98	1512329	10.52			0601_19.D
14 BLOWER-3D	621445	6.80	2630362	7.98	1452545	10.52			0601_20.D
15 BLOWER-3D DUP	622043	6.80	2720584	7.99	1472977	10.52			0601_21.D
16 BLOWER-3	637785	6.79	2868242	7.98	1552923	10.52			0601_22.D
17 BLOWER-1 20X	689528	6.77	2928752	7.98	1522057	10.52			0602_01.D
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: KLEINFL-AIR
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG03886
 Lab Method / File Id: 24AIR_0528.M / Average Date Analyzed: 05/28/20
 Instrument ID: CHEM24 Time Analyzed: 16:33
 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
12 HOUR STD	179782	5.43	655877	7.36	349721	10.93			Average
UPPER LIMIT	252594	5.76	921507	7.69	491357	11.26			Average
LOWER LIMIT	106970	5.10	390247	7.03	208084	10.60			Average
CLIENT ID									
01 ICAL 0.5	179979	5.43	661647	7.36	351452	10.92			0528_07.D
02 ICAL 2.5	176150	5.43	643146	7.36	341632	10.92			0528_08.D
03 ICAL 5	175577	5.43	644561	7.36	343589	10.92			0528_09.D
04 ICAL 25	167716	5.43	618629	7.36	333455	10.93			0528_10.D
05 ICAL 40	175917	5.44	641270	7.36	343527	10.93			0528_11.D
06 ICAL 1	192386	5.43	696677	7.36	369199	10.93			0528_13.D
07 ICAL 0.2	193156	5.43	699504	7.36	370843	10.93			0528_14.D
08 ICAL 10	177375	5.43	641579	7.36	344068	10.93			0528_15.D
09									
10									
11									
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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: KLEINFL-AIR
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG03886
 Lab Method / File Id: 24AIR_0528.M / Average Date Analyzed: 05/28/20
 Instrument ID: CHEM24 Time Analyzed: 16:33
 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
12 HOUR STD	179408	5.43	709987	7.36	369758	10.93			Average
UPPER LIMIT	252068	5.76	997532	7.69	519510	11.26			Average
LOWER LIMIT	106748	5.10	422442	7.03	220006	10.60			Average
CLIENT ID									
01 ICAL 0.02	176469	5.42	695109	7.35	358898	10.93			0528_03.D
02 ICAL 0.035	175889	5.43	704874	7.35	364713	10.93			0528_04.D
03 ICAL 0.05	178405	5.43	711885	7.36	371274	10.93			0528_05.D
04 ICAL 0.1	179531	5.43	712442	7.35	372854	10.93			0528_06.D
05 ICAL 0.5	178724	5.43	710357	7.35	369165	10.93			0528_07.D
06 ICAL 2.5	174740	5.43	688916	7.36	360743	10.93			0528_08.D
07 ICAL 5	174003	5.43	689912	7.36	361095	10.93			0528_09.D
08 ICAL 1	190087	5.43	746137	7.36	388573	10.93			0528_13.D
09 ICAL 0.2	190166	5.43	750866	7.36	390416	10.93			0528_14.D
10 ICAL 10	176066	5.44	689375	7.36	359850	10.93			0528_15.D
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
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 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: KLEINFL-AIR
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG03886
 Lab Method / File Id: 24AIR_0528.M / 0601_02.D Date Analyzed: 06/01/20
 Instrument ID: CHEM24 Time Analyzed: 6:38
 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
12 HOUR STD	182656	5.42	636436	7.35	338756	10.92			0601_02.D
UPPER LIMIT	256632	5.75	894193	7.68	475952	11.25			0601_02.D
LOWER LIMIT	108680	5.09	378679	7.02	201560	10.59			0601_02.D
CLIENT ID									
01 CCAL 1	182656	5.42	636436	7.35	338756	10.92			0601_02.D
02 CG03910 LCS	163588	5.42	585282	7.35	315258	10.92			0601_04.D
03 CG03910 BLANK	178683	5.42	633035	7.35	337142	10.92			0601_06.D
04 BLOWER-2	168807	5.43	583366	7.35	325783	10.92			0601_07.D
05 BLOWER-2 DUP	171221	5.43	598518	7.35	334971	10.92			0601_08.D
06 BLOWER-2 5X	174304	5.42	620388	7.35	336838	10.92			0601_09.D
07 EW-8	165197	5.43	591068	7.35	318512	10.92			0601_10.D
08 EW-2	183561	5.43	645901	7.36	348865	10.92			0601_11.D
09 EW-7	171344	5.43	613860	7.36	322594	10.92			0601_12.D
10 EW-6	183348	5.43	653945	7.36	349829	10.93			0601_13.D
11 EW-1	188320	5.43	672986	7.35	355241	10.93			0601_14.D
12 EW-3	177741	5.43	638369	7.36	343790	10.93			0601_15.D
13 EW-4	191059	5.43	675756	7.36	361205	10.93			0601_16.D
14 EW-5	189430	5.43	668163	7.36	358005	10.93			0601_17.D
15 EW-5D	183275	5.43	651668	7.36	349525	10.93			0601_18.D
16 OA-3	188457	5.43	674426	7.36	356899	10.93			0601_19.D
17 OA-1	191854	5.43	673387	7.36	356295	10.93			0601_20.D
18 OA-2	189601	5.43	673100	7.36	354968	10.93			0601_21.D
19 OA-2D	184930	5.43	651074	7.36	344359	10.93			0601_22.D
20 IA-8	187727	5.43	661283	7.36	349549	10.93			0601_23.D
21 IA-10	177611	5.43	623945	7.36	333517	10.93			0601_24.D
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: KLEINFL-AIR
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG03886
 Lab Method / File Id: 24AIR_0528.M / 0601_02.D Date Analyzed: 06/01/20
 Instrument ID: CHEM24 Time Analyzed: 6:38
 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
12 HOUR STD	181079	5.42	688430	7.35	356882	10.93			0601_02.D
UPPER LIMIT	254416	5.75	967244	7.68	501419	11.26			0601_02.D
LOWER LIMIT	107742	5.09	409616	7.02	212345	10.60			0601_02.D
CLIENT ID									
01 CCAL 1	181079	5.42	688430	7.35	356882	10.93			0601_02.D
02 CG03910 LCS	162633	5.42	630301	7.35	332759	10.93			0601_04.D
03 CG03910 BLANK	175839	5.42	683040	7.35	354737	10.92			0601_06.D
04 BLOWER-2	167083	5.43	626771	7.35	343835	10.93			0601_07.D
05 BLOWER-2 DUP	170056	5.43	646499	7.35	354690	10.93			0601_08.D
06 BLOWER-2 5X	172021	5.42	669604	7.35	351902	10.93			0601_09.D
07 EW-8	163369	5.42	637468	7.35	336770	10.93			0601_10.D
08 EW-2	181615	5.43	694420	7.36	370243	10.93			0601_11.D
09 EW-7	169226	5.43	661896	7.36	339897	10.93			0601_12.D
10 EW-6	180066	5.43	702957	7.36	367553	10.93			0601_13.D
11 EW-1	185339	5.43	723574	7.36	376976	10.93			0601_14.D
12 EW-3	174683	5.44	688511	7.36	364231	10.93			0601_15.D
13 EW-4	187815	5.43	728202	7.36	382424	10.93			0601_16.D
14 EW-5	186036	5.43	720995	7.36	379982	10.93			0601_17.D
15 EW-5D	180320	5.44	700862	7.36	367949	10.93			0601_18.D
16 OA-3	184215	5.44	728636	7.36	376476	10.93			0601_19.D
17 OA-1	187446	5.44	726856	7.36	377401	10.93			0601_20.D
18 OA-2	185979	5.43	722910	7.36	373547	10.93			0601_21.D
19 OA-2D	181480	5.43	701831	7.36	363390	10.93			0601_22.D
20 IA-8	183937	5.43	712814	7.36	369710	10.93			0601_23.D
21 IA-10	174006	5.43	672502	7.36	352695	10.93			0601_24.D
22									

IS1 (BCM) = Bromochloromethane
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 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG03886
 Lab Method / File Id: 24AIR_0528.M / 0602_01.D Date Analyzed: 06/02/20
 Instrument ID: CHEM24 Time Analyzed: 2:30
 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
12 HOUR STD	161262	5.43	563248	7.36	305742	10.93			0602_01.D
UPPER LIMIT	226573	5.76	791363	7.69	429568	11.26			0602_01.D
LOWER LIMIT	95951	5.10	335133	7.03	181916	10.60			0602_01.D
CLIENT ID									
01 CCAL 1	161262	5.43	563248	7.36	305742	10.93			0602_01.D
02 CG03913 LCS	162779	5.43	568697	7.36	312073	10.93			0602_03.D
03 CG03913 BLANK	167970	5.43	591580	7.36	317531	10.93			0602_05.D
04 BLOWER-3D 30X	171645	5.43	601349	7.36	324427	10.93			0602_06.D
05 BLOWER-3 30X	164558	5.43	582043	7.36	315514	10.93			0602_07.D
06 BLOWER-3 DUP 30X	164007	5.43	570627	7.36	312547	10.94			0602_08.D
07									
08									
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20									
21									
22									

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FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG03886
 Lab Method / File Id: 24AIR_0528.M / 0602_01.D Date Analyzed: 06/02/20
 Instrument ID: CHEM24 Time Analyzed: 2:30
 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
12 HOUR STD	161090	5.43	610532	7.36	324179	10.93			0602_01.D
UPPER LIMIT	226331	5.76	857797	7.69	455471	11.26			0602_01.D
LOWER LIMIT	95849	5.10	363267	7.03	192887	10.60			0602_01.D
CLIENT ID									
01 CCAL 1	161090	5.43	610532	7.36	324179	10.93			0602_01.D
02 CG03913 LCS	161897	5.44	617428	7.36	331923	10.93			0602_03.D
03 CG03913 BLANK	168232	5.43	643378	7.36	334419	10.93			0602_05.D
04 BLOWER-3D 30X	171007	5.43	652767	7.36	345389	10.93			0602_06.D
05 BLOWER-3 30X	163101	5.43	631017	7.36	333551	10.93			0602_07.D
06 BLOWER-3 DUP 30X	162081	5.43	619684	7.36	332843	10.93			0602_08.D
07									
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 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
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FORM VIII VOA

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

EW-8

SDG No.: GCG03886

Lab Sample ID: CG03886

Canister: 11257

Lab File ID: 0601_10.D

Instrument: CHEM24 Column: RTX-VMS

Date Received: 06/01/20

Purge Volume 200 (cc)

Date Analyzed: 06/01/20

Matrix: AIR

Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.252		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	336	ES	0.531	0.531	r
67-64-1	Acetone	5.43	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.955		0.178	0.178	r
67-63-0	Isopropylalcohol	2.74	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.360		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	1.14		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.732		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.286		0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

EW-8

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03886

Canister: 11257 Lab File ID: 0601_10.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.081		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.073		0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_10.D
 Acq On : 1 Jun 2020 11:18 am
 Operator : Keith
 Client ID : EW-8
 Lab ID : CG03886
 ALS Vial : 140 Sample Multiplier: 1

Quant Time: Jun 01 13:14:27 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

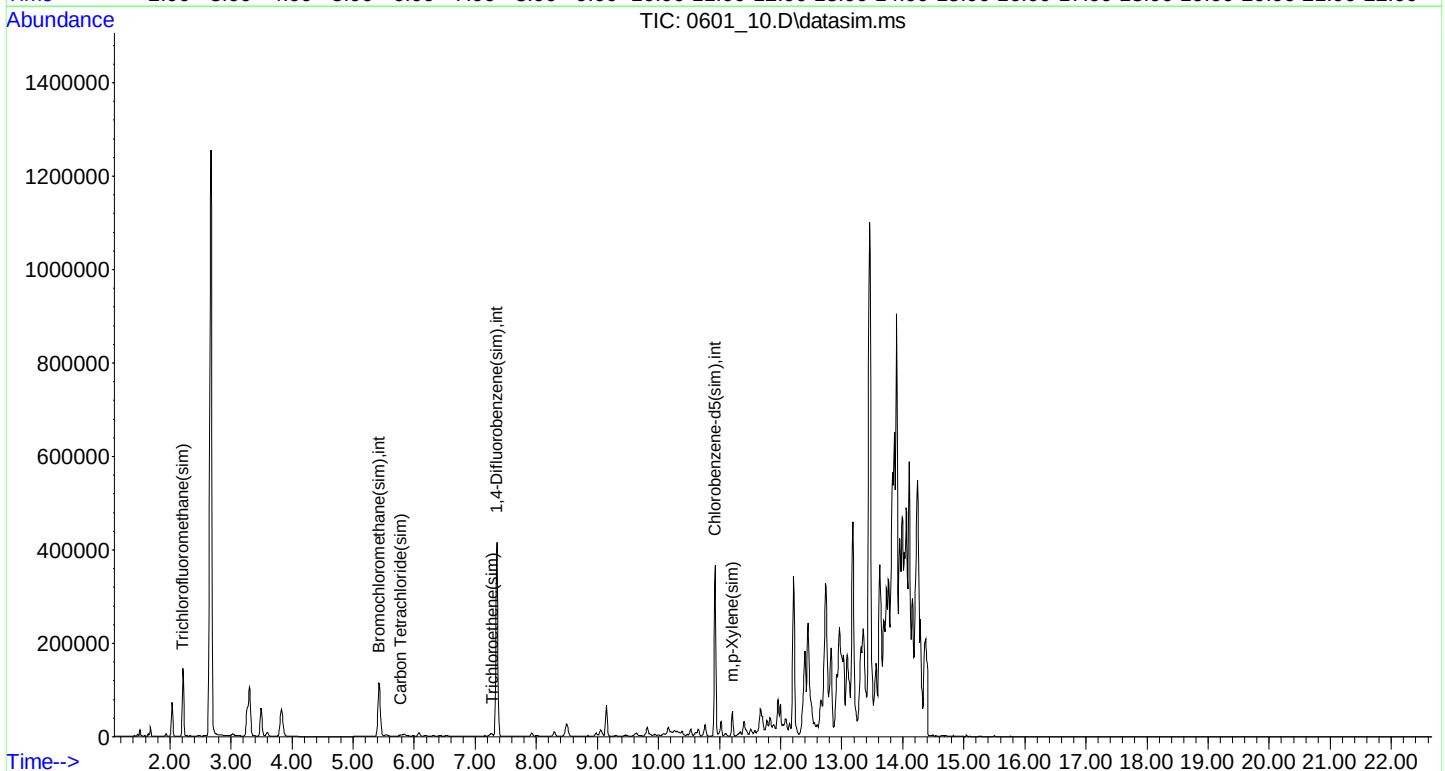
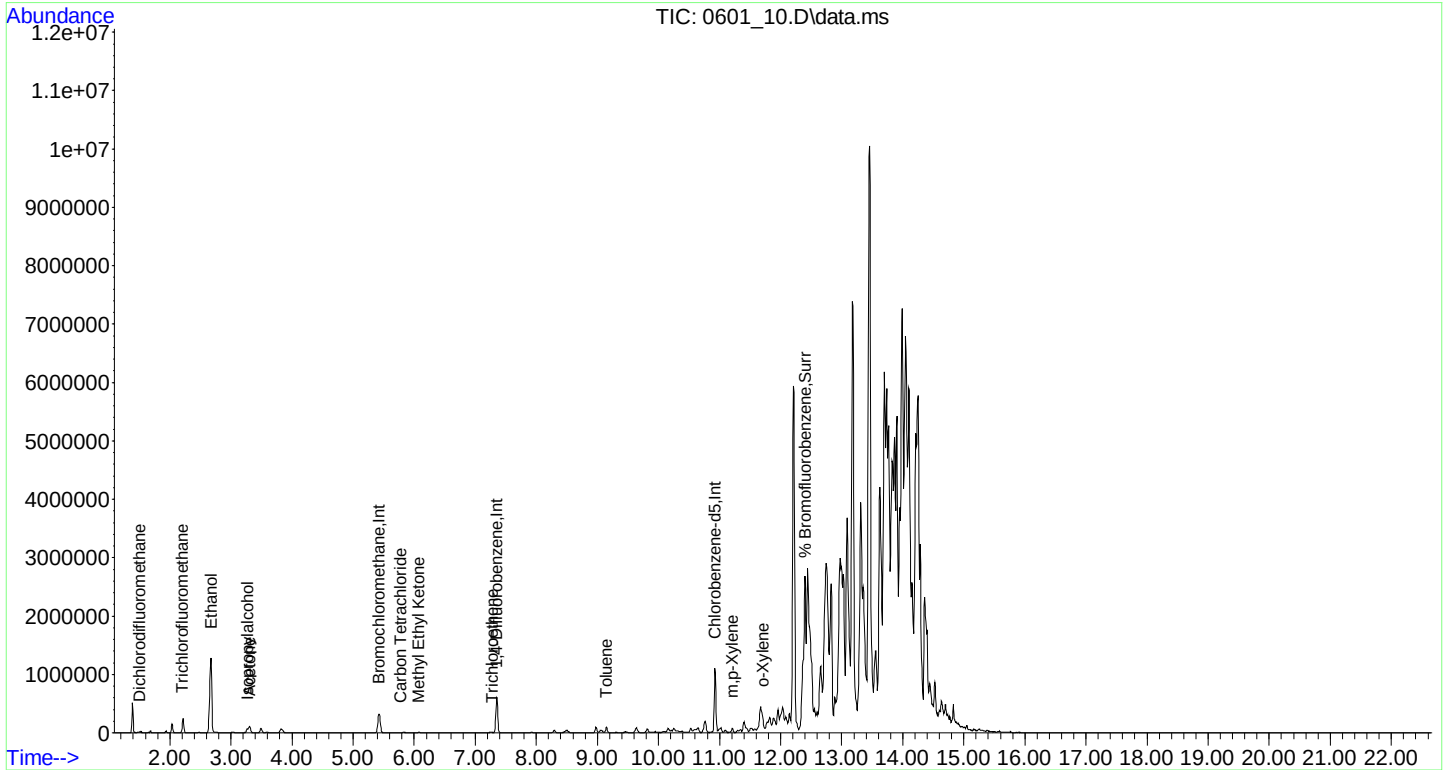
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	165197	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.350	114	591068	10.000	ng	0.00
53) Chlorobenzene-d5	10.925	82	318512	10.000	ng	0.00
80) Bromochloromethane(sim)	5.423	130	163369	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.353	114	637468	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.928	82	336770	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.405	95	413854	9.585	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	95.80%
Target Compounds						
3) Dichlorodifluoromethane	1.506	85	8854	0.252	ppbv	Qvalue 98
10) Ethanol	2.677	45	1893312	335.718	ppbv#	73
12) Acetone	3.306	43	169268	5.426	ppbv#	83
13) Trichlorofluoromethane	2.205	101	39817	0.954	ppbv	95
14) Isopropylalcohol	3.272	45	84863	2.740	ppbv	80
25) Methyl Ethyl Ketone	6.076	43	13232	0.360	ppbv#	87
34) Carbon Tetrachloride	5.781	117	2808	0.073	ppbv	98
39) Trichloroethene	7.274	130	1951	0.078	ppbv	97
48) Toluene	9.149	91	75375	1.138	ppbv	98
57) m,p-Xylene	11.206	91	46416	0.732	ppbv	100
61) o-Xylene	11.707	91	19587	0.286	ppbv	96
84) Trichlorofluoromethane...	2.207	101	41353	0.894	ppbv	99
86) Carbon Tetrachloride(sim)	5.776	117	3038	0.080	ppbv	100
97) Trichloroethene(sim)	7.274	130	1873	0.073	ppbv	92
107) m,p-Xylene(sim)	11.206	91	46416	0.688	ppbv	99

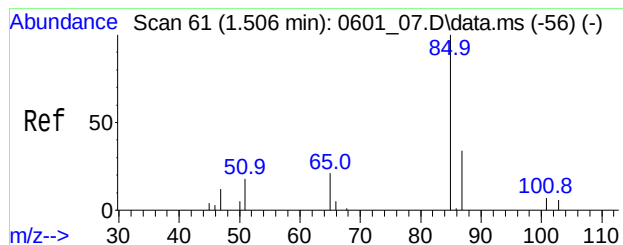
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

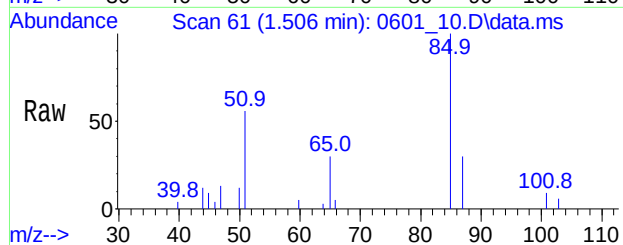
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 Data File : 0601_10.D
 Acq On : 1 Jun 2020 11:18 am
 Operator : Keith
 Client ID : EW-8
 Lab ID : CG03886
 ALS Vial : 140 Sample Multiplier: 1

Quant Time: Jun 01 13:14:27 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

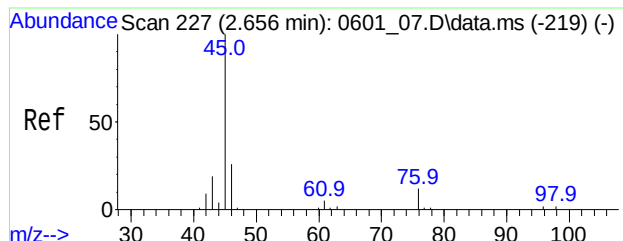
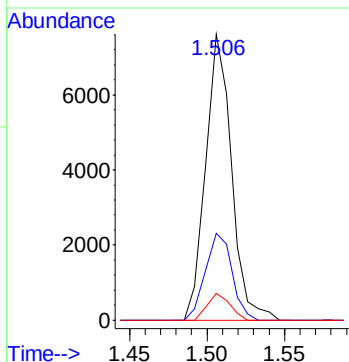
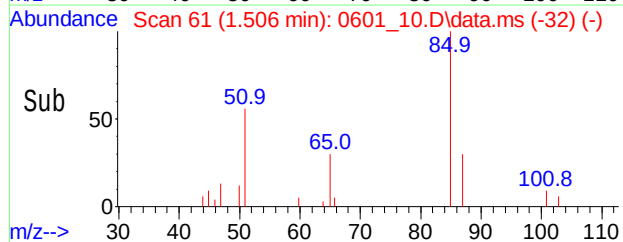




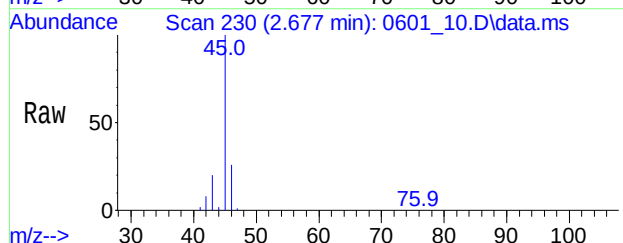
#3
Dichlorodifluoromethane
Conc: 8\$ 0.252 ppbv
RT: 1.506 min Scan# 61
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am



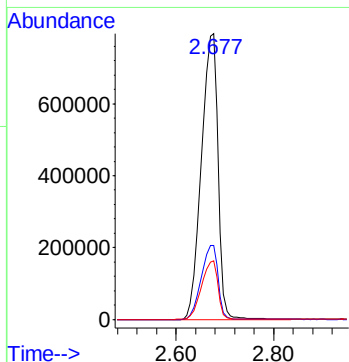
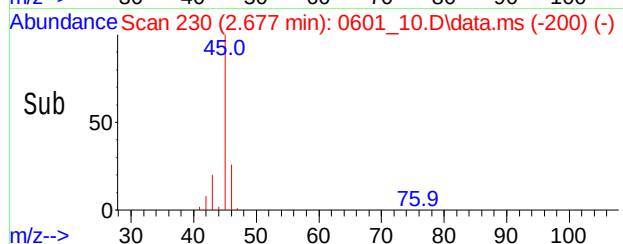
Tgt Ion: 85 Resp: 8854
Ion Ratio Lower Upper
85 100
87 31.2 26.2 39.4
101 8.1 6.2 9.4

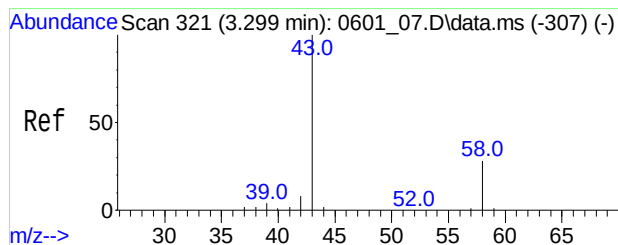


#10
Ethanol
Conc: 8\$ 335.718 ppbv
RT: 2.677 min Scan# 230
Delta R.T. 0.014 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am



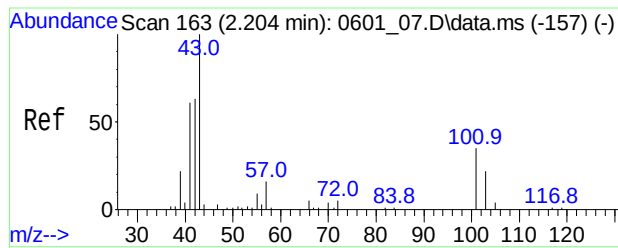
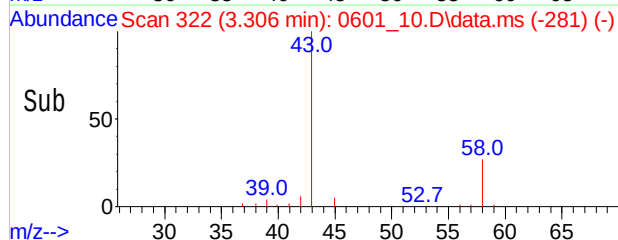
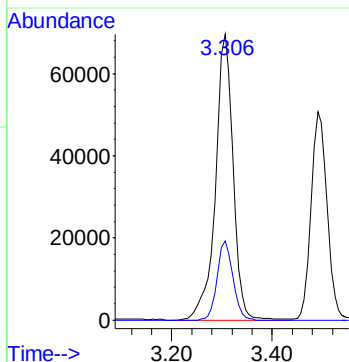
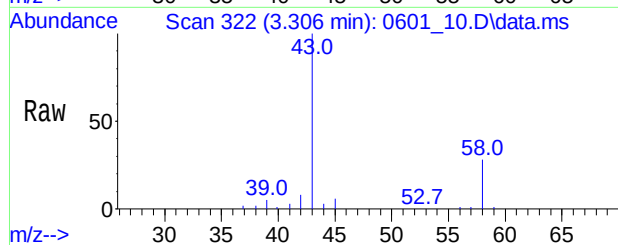
Tgt Ion: 45 Resp: 1893312
Ion Ratio Lower Upper
45 100
46 26.1 0.0 0.0#
43 20.5 29.3 43.9#





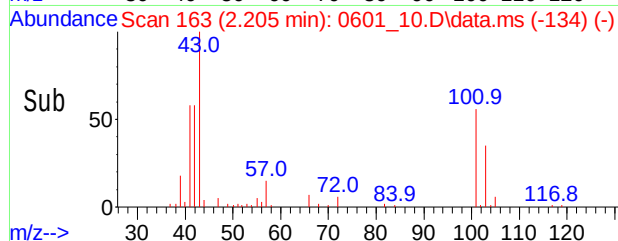
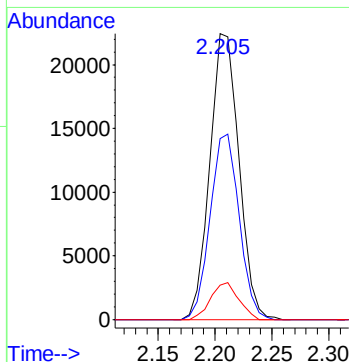
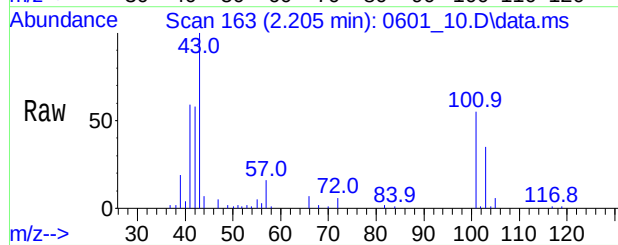
#12
Acetone
Conc: 8\$ 5.426 ppbv
RT: 3.306 min Scan# 322
Delta R.T. -0.021 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am

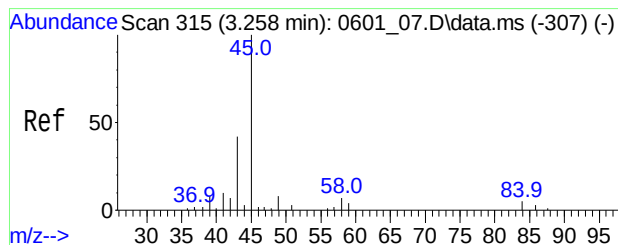
Tgt Ion: 43 Resp: 169268
Ion Ratio Lower Upper
43 100
58 24.6 13.8 20.6#



#13
Trichlorofluoromethane
Conc: 8\$ 0.954 ppbv
RT: 2.205 min Scan# 163
Delta R.T. 0.001 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am

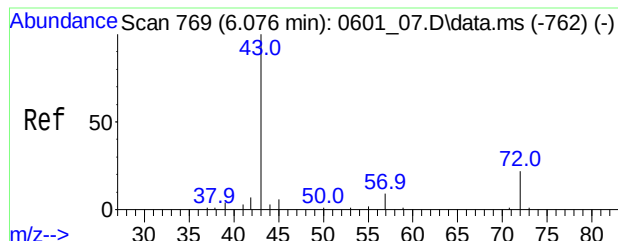
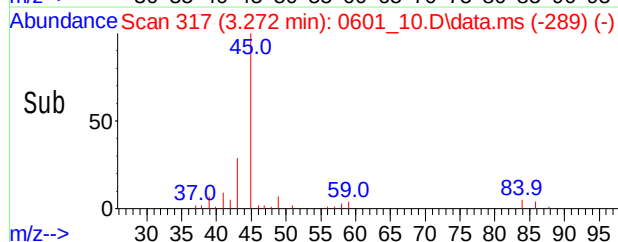
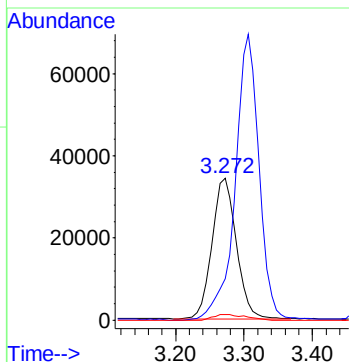
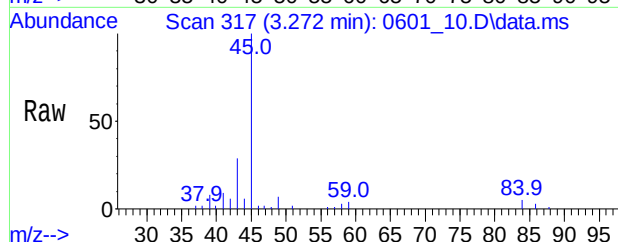
Tgt Ion: 101 Resp: 39817
Ion Ratio Lower Upper
101 100
103 64.8 55.4 83.2
66 12.4 11.4 17.0





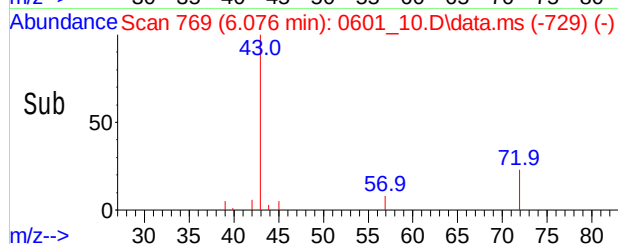
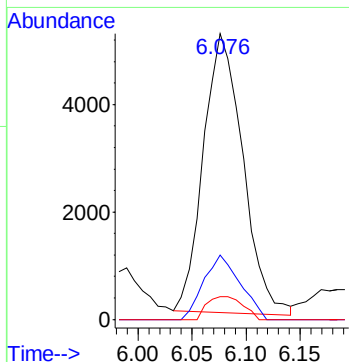
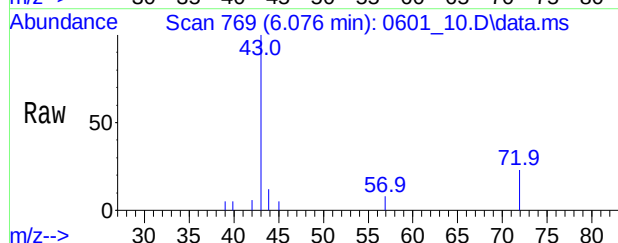
#14
Isopropylalcohol
Conc: 8\$ 2.740 ppbv
RT: 3.272 min Scan# 317
Delta R.T. -0.007 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am

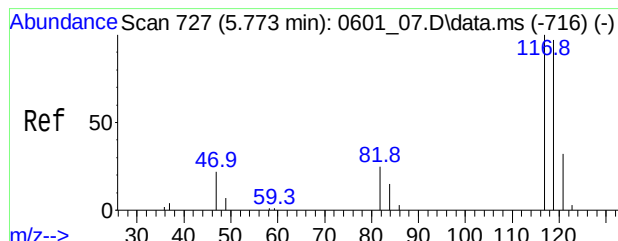
Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
43	199.5	137.3	205.9	
59	5.4	0.0	0.0#	



#25
Methyl Ethyl Ketone
Conc: 8\$ 0.360 ppbv
RT: 6.076 min Scan# 769
Delta R.T. -0.014 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am

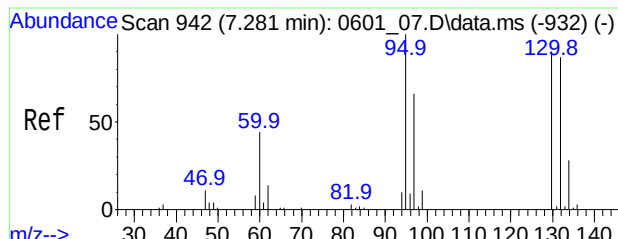
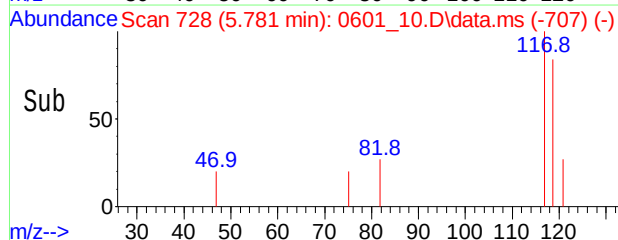
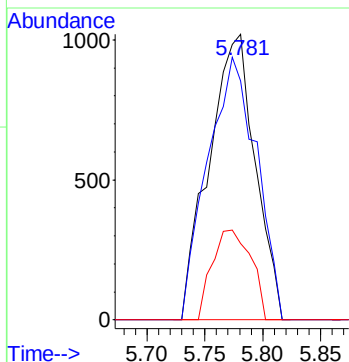
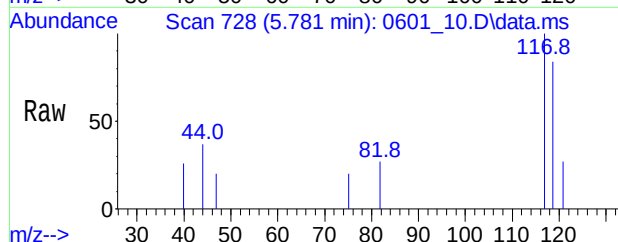
Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
72	21.3	12.6	19.0#	
57	7.4	0.0	0.0#	





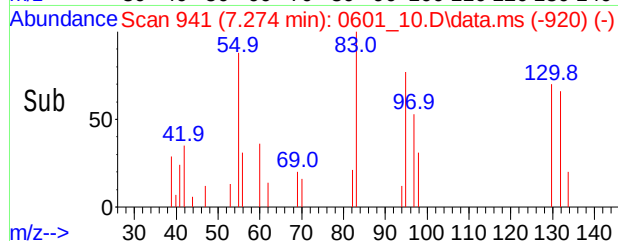
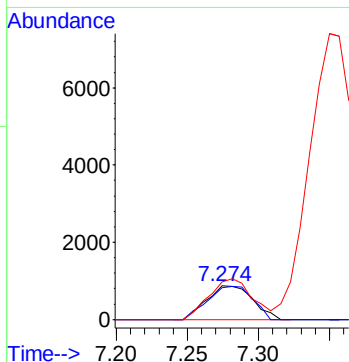
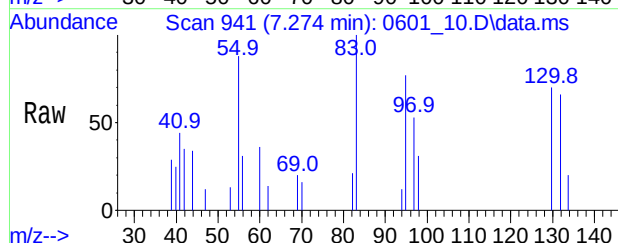
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.781 min Scan# 728
Delta R.T. 0.001 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am

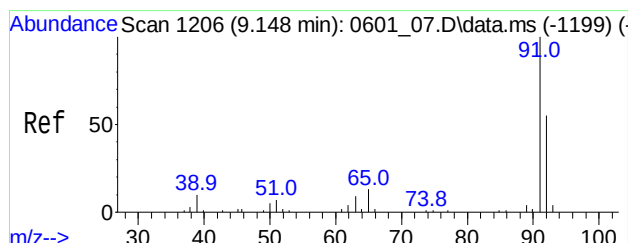
Tgt Ion: 117 Resp: 2808
Ion Ratio Lower Upper
117 100
119 97.3 75.0 115.0
121 26.3 6.8 46.8



#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 7.274 min Scan# 941
Delta R.T. -0.007 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am

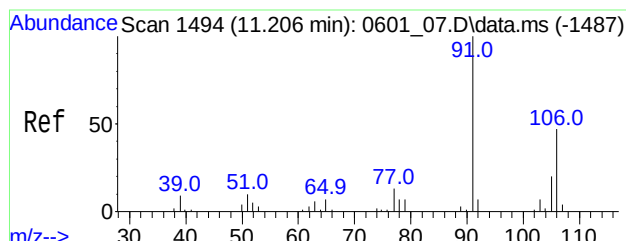
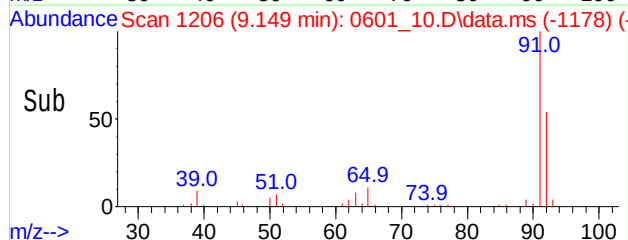
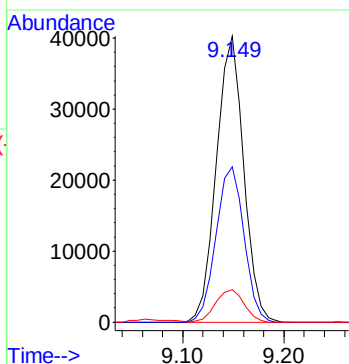
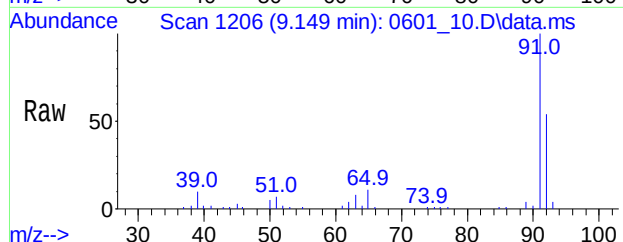
Tgt Ion: 130 Resp: 1951
Ion Ratio Lower Upper
130 100
132 97.3 76.6 114.8
95 115.6 89.6 134.4





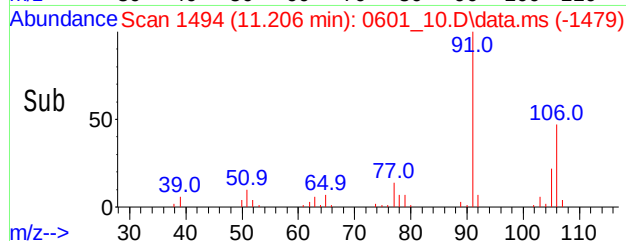
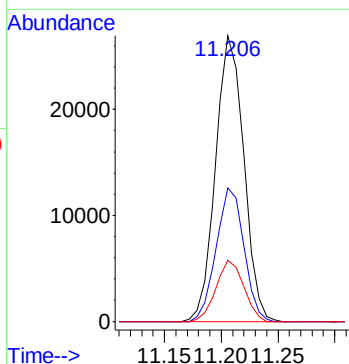
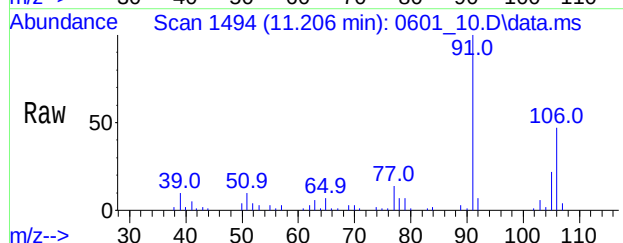
#48
Toluene
Conc: 8\$ 1.138 ppbv
RT: 9.149 min Scan# 1206
Delta R.T. 0.001 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am

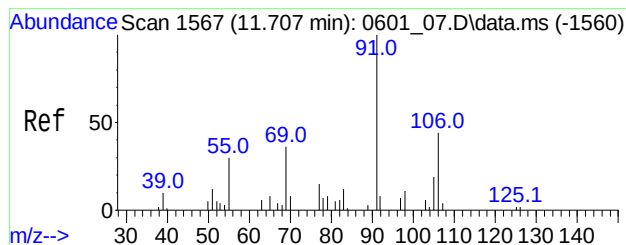
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	75375		
92	55.8	43.4	65.0	
65	11.8	8.2	12.4	



#57
m,p-Xylene
Conc: 8\$ 0.732 ppbv
RT: 11.206 min Scan# 1494
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am

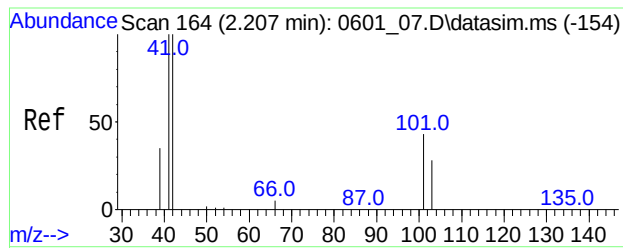
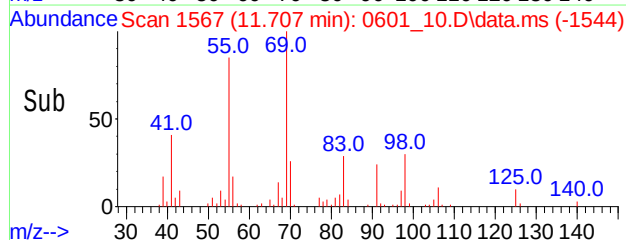
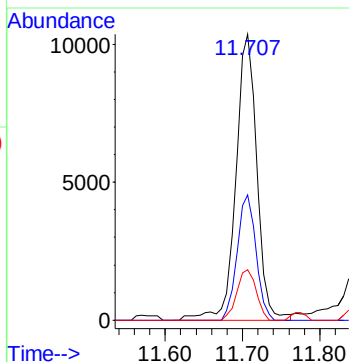
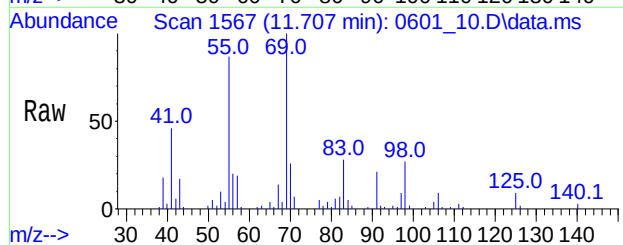
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	46416		
106	45.8	36.7	55.1	
105	21.0	16.9	25.3	





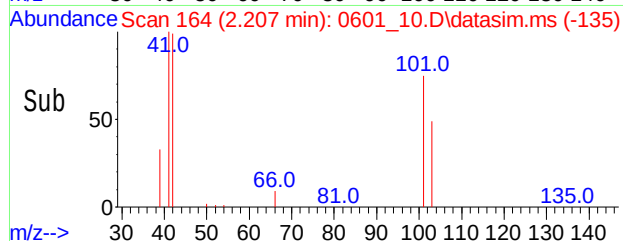
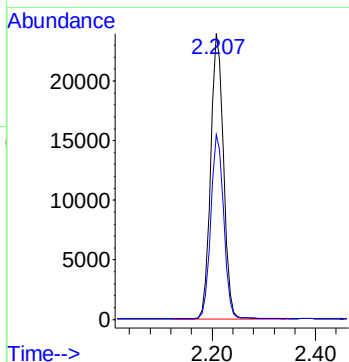
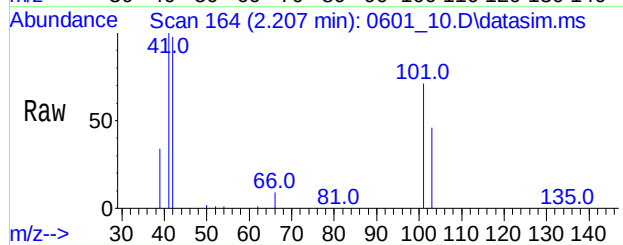
#61
o-Xylene
Conc: 8\$ 0.286 ppbv
RT: 11.707 min Scan# 1567
Delta R.T. 0.007 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am

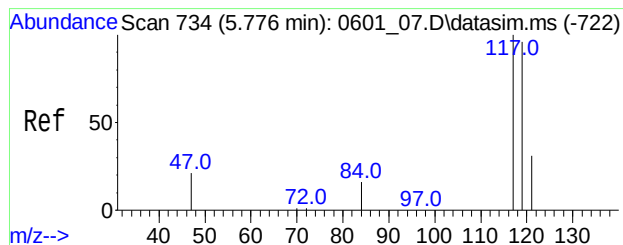
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	19587		
106	39.2	33.0	49.6	
105	16.2	14.6	22.0	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.894 ppbv
RT: 2.207 min Scan# 164
Delta R.T. 0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am

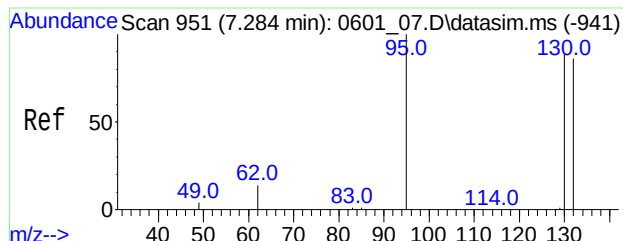
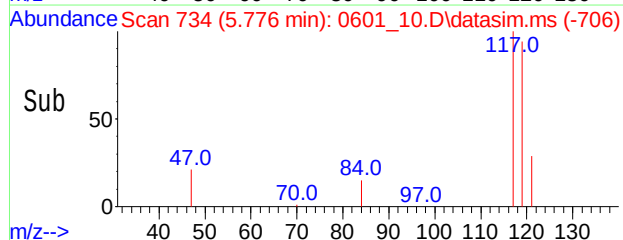
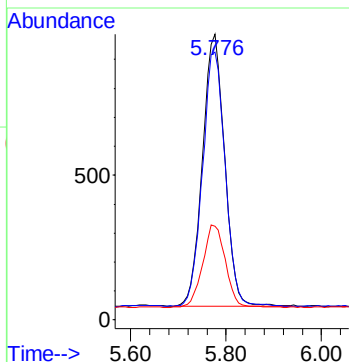
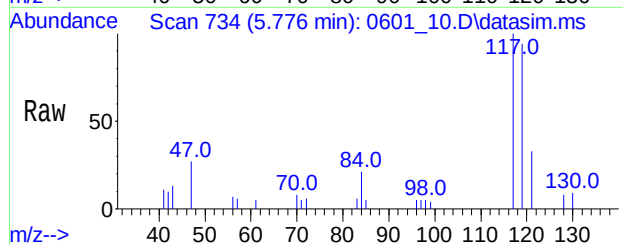
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	41353		
103	64.8	52.7	79.1	





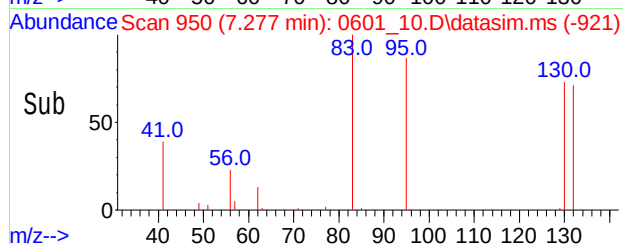
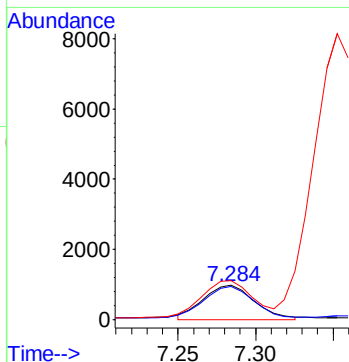
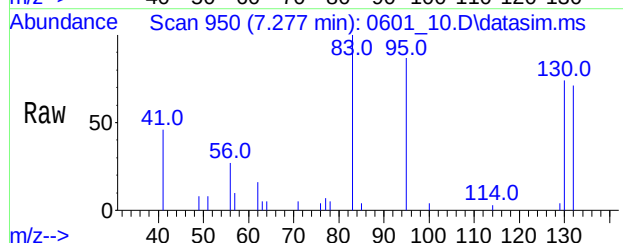
#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.080 ppbv
RT: 5.776 min Scan# 734
Delta R.T. 0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am

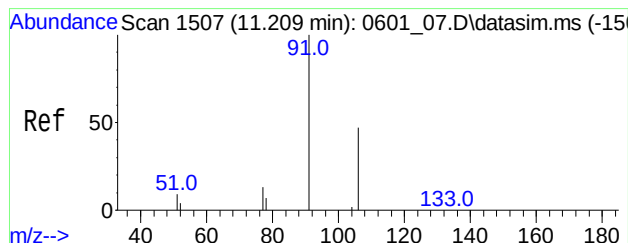
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3038		
119	95.6	76.6	115.0	
121	30.9	24.6	36.8	



#97
Trichloroethene(sim)
Conc: 8\$ 0.073 ppbv
RT: 7.274 min Scan# 950
Delta R.T. -0.007 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 11:18 am

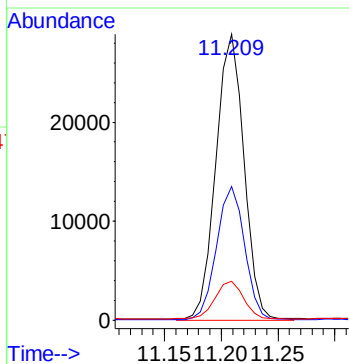
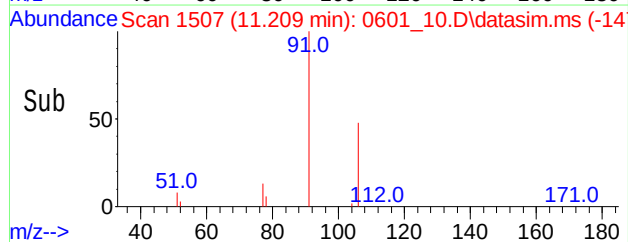
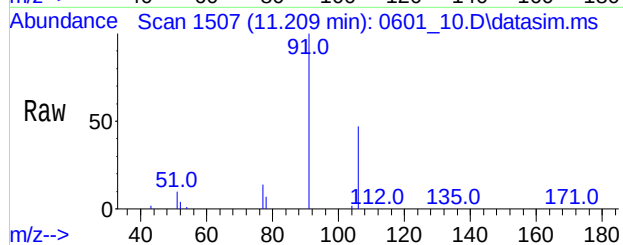
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	1873		
132	101.4	74.3	111.5	
95	120.4	89.6	134.4	





#107
 m,p-Xylene(sim)
 Conc: 8\$ 0.688 ppbv
 RT: 11.206 min Scan# 1507
 Delta R.T. -0.000 min
 Lab File: 0601_10.D
 Acq: 1 Jun 2020 11:18 am

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	46416		
106	45.8	41.3	50.5	
77	13.6	11.6	17.4	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	EW-2
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03887</u>	
Canister:	<u>13651</u>	Lab File ID:	<u>0601_11.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>	Date Received:
				<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.348		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	5.37	S	0.531	0.531	r
67-64-1	Acetone	2.03	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.347		0.178	0.178	r
67-63-0	Isopropylalcohol	0.421	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
75-34-3	1,1-Dichloroethane	0.894		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	3.97		0.051	0.051	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
67-66-3	Chloroform	1.81		0.205	0.205	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-55-6	1,1,1-Trichloroethane	1.30		0.183	0.183	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride	0.717		0.032	0.032	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
79-01-6	Trichloroethene	12.1		0.037	0.037	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.369		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
127-18-4	Tetrachloroethene	0.478		0.037	0.037	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	EW-2
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03887</u>	
Canister:	<u>13651</u>	Lab File ID:	<u>0601_11.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>	Date Received: <u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-35-4	1,1-Dichloroethene(sim)	0.071		0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Quantitation Report (No Status)

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_11.D
 Acq On : 1 Jun 2020 11:55 am
 Operator : Keith
 Client ID : EW-2
 Lab ID : CG03887
 ALS Vial : 141 Sample Multiplier: 1

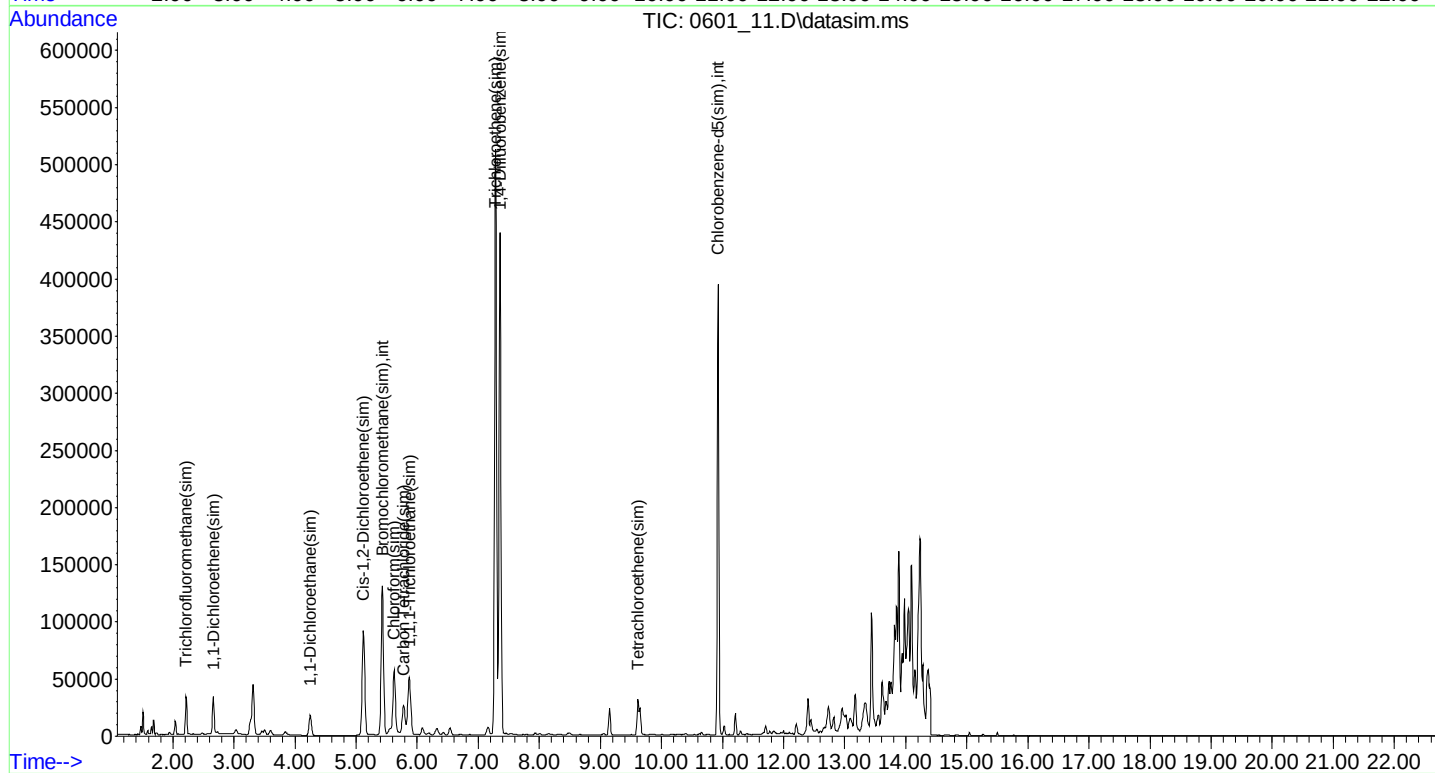
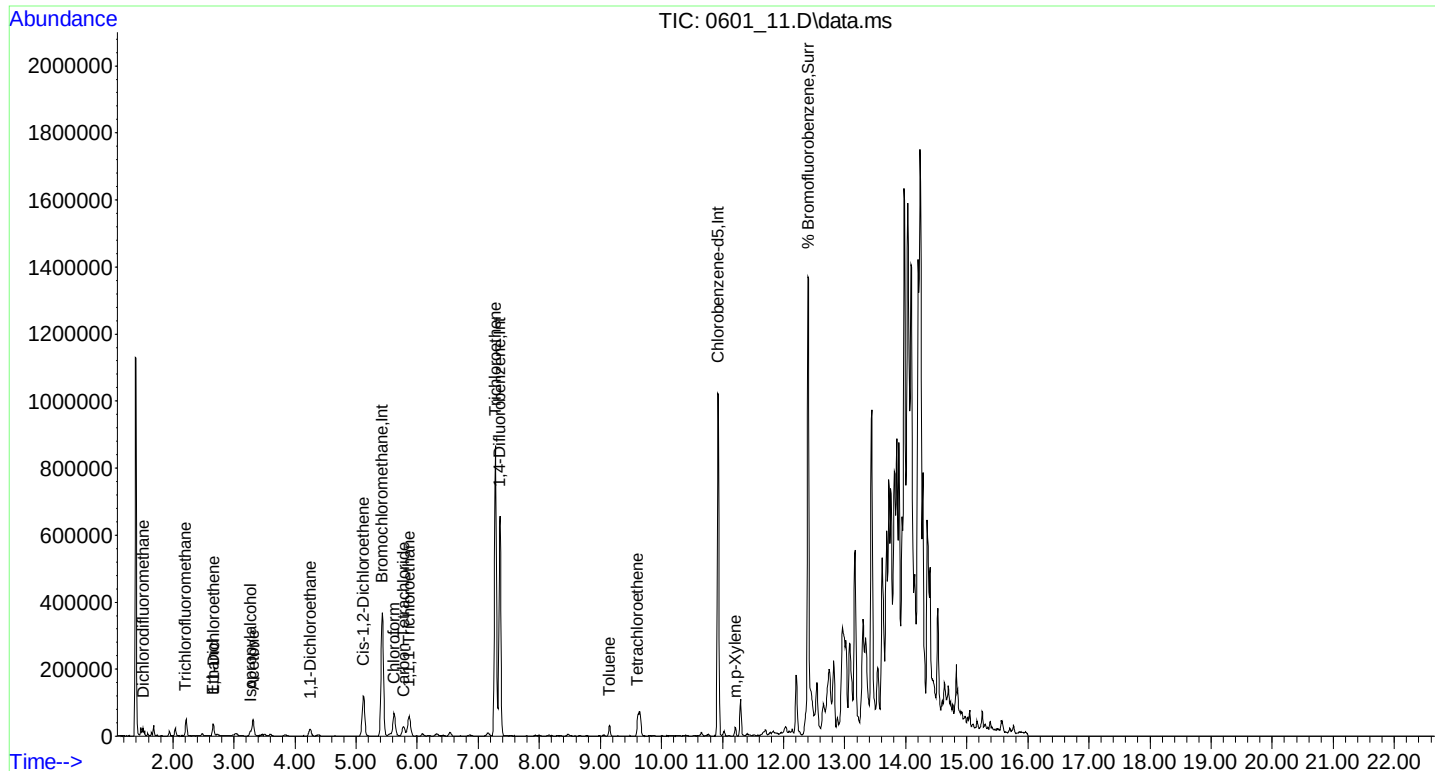
Quant Time: Jun 01 13:15:39 2020
 Quant Title :
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

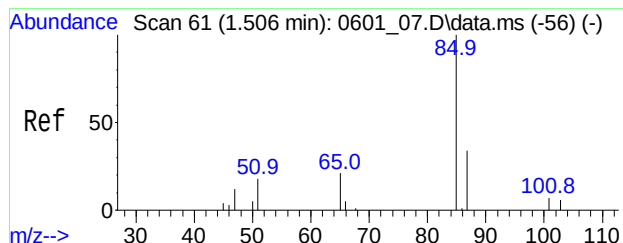
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	183561	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	645901	10.000	ng	0.00
53) Chlorobenzene-d5	10.925	82	348865	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	181615	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	694420	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	370243	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.405	95	471156	9.963	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.60%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	1.513	85	13585	0.348	ppbv	100
10) Ethanol	2.656	45	33638	5.368	ppbv#	78
12) Acetone	3.313	43	70476	2.033	ppbv#	78
13) Trichlorofluoromethane	2.211	101	16098	0.347	ppbv	96
14) Isopropylalcohol	3.279	45	14501	0.421	ppbv#	1
16) 1,1-Dichloroethene	2.663	61	2085	0.075	ppbv	96
23) 1,1-Dichloroethane	4.247	63	32732	0.894	ppbv	94
26) Cis-1,2-Dichloroethene	5.117	61	115040	3.971	ppbv	95
28) Chloroform	5.622	83	80430	1.806	ppbv	94
32) 1,1,1-Trichloroethane	5.867	97	54306	1.301	ppbv#	87
34) Carbon Tetrachloride	5.780	117	30576	0.717	ppbv	98
39) Trichloroethene	7.281	130	330569	12.057	ppbv	100
48) Toluene	9.148	91	26692	0.369	ppbv	99
52) Tetrachloroethene	9.610	166	16461	0.478	ppbv	98
57) m, p-Xylene	11.206	91	16889	0.243	ppbv	99
84) Trichlorofluoromethane...	2.214	101	16774	0.326	ppbv	99
85) 1,1,1-Trichloroethane(...)	5.867	97	54306	1.252	ppbv#	87
86) Carbon Tetrachloride(sim)	5.776	117	30338	0.723	ppbv	99
87) 1,1-Dichloroethene(sim)	2.663	61	2085	0.071	ppbv	96
90) 1,1-Dichloroethane(sim)	4.250	63	34112	0.872	ppbv	99
91) Cis-1,2-Dichloroethene...	5.117	61	115040	3.879	ppbv	95
92) Chloroform(sim)	5.625	83	83410	1.788	ppbv	98
97) Trichloroethene(sim)	7.281	130	330569	11.805	ppbv	98
103) Tetrachloroethene(sim)	9.610	166	16461	0.478	ppbv	98
107) m, p-Xylene(sim)	11.206	91	16889	0.228	ppbv	99

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_11.D
Acq On : 1 Jun 2020 11:55 am
Operator : Keith
Client ID : EW-2
Lab ID : CG03887
ALS Vial : 141 Sample Multiplier: 1

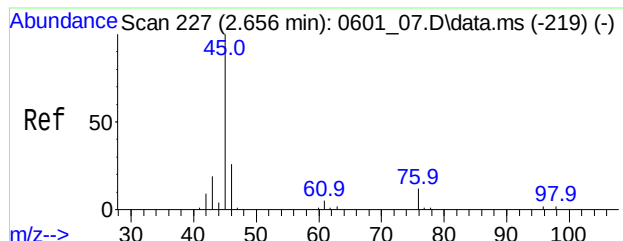
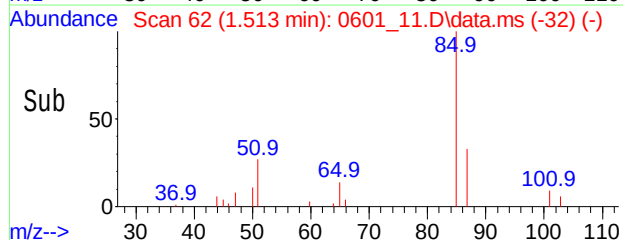
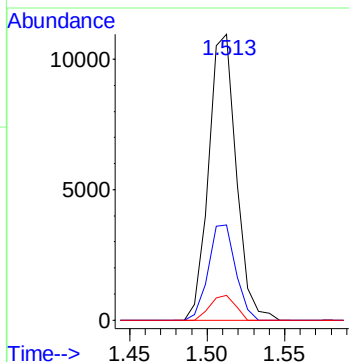
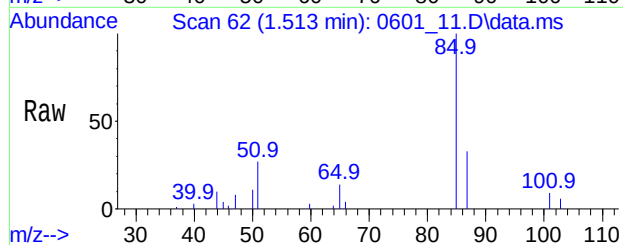
Quant Time: Jun 01 13:15:39 2020
Quant Title :
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





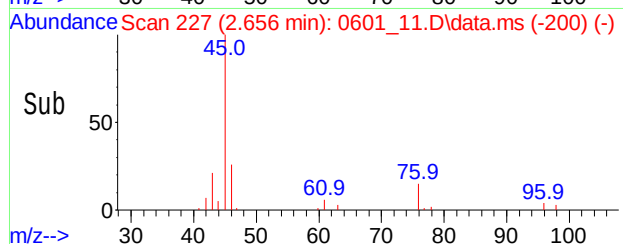
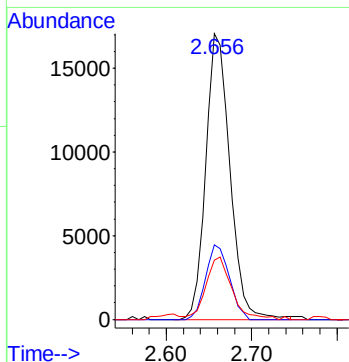
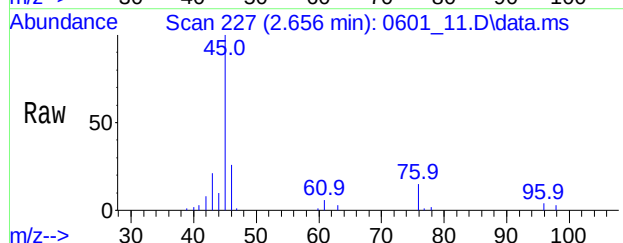
#3
Dichlorodifluoromethane
Conc: 8\$ 0.348 ppbv
RT: 1.513 min Scan# 62
Delta R.T. 0.007 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

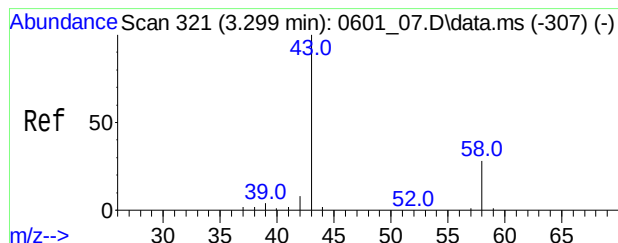
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	13585		
87	32.8	26.2	39.4	
101	7.9	6.2	9.4	



#10
Ethanol
Conc: 8\$ 5.368 ppbv
RT: 2.656 min Scan# 227
Delta R.T. -0.007 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

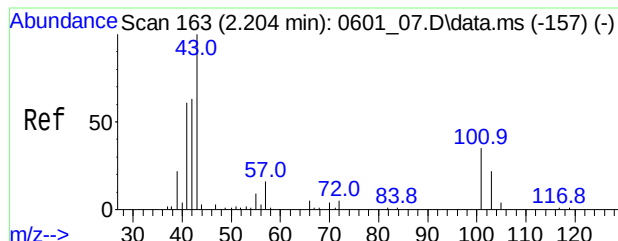
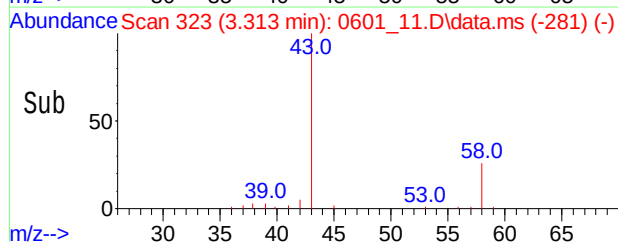
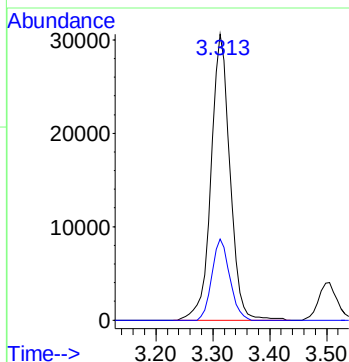
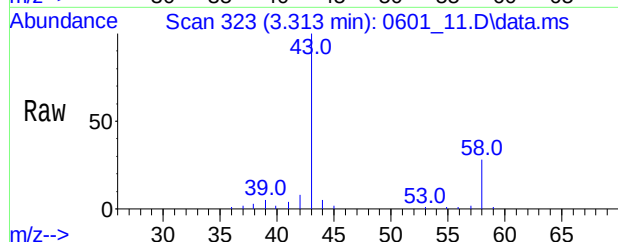
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	33638		
46	25.5	0.0	0.0#	
43	23.5	29.3	43.9#	





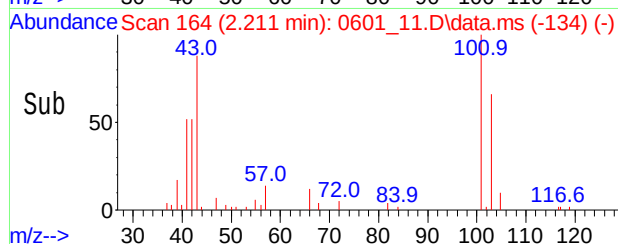
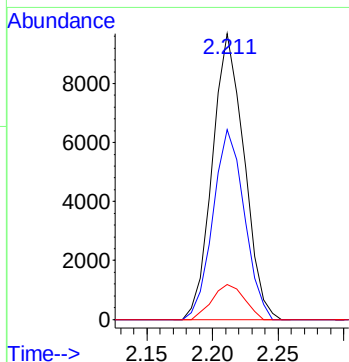
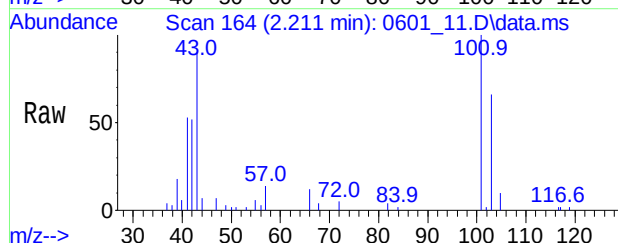
#12
Acetone
Conc: 8\$ 2.033 ppbv
RT: 3.313 min Scan# 323
Delta R.T. -0.014 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

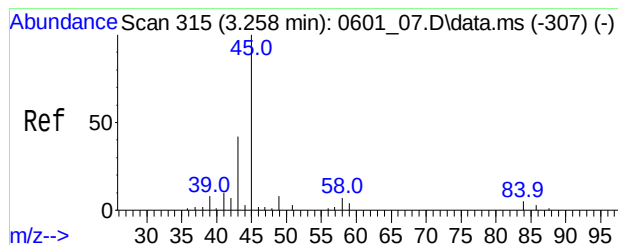
Tgt Ion: 43 Resp: 70476
Ion Ratio Lower Upper
43 100
58 26.6 13.8 20.6#



#13
Trichlorofluoromethane
Conc: 8\$ 0.347 ppbv
RT: 2.211 min Scan# 164
Delta R.T. 0.007 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

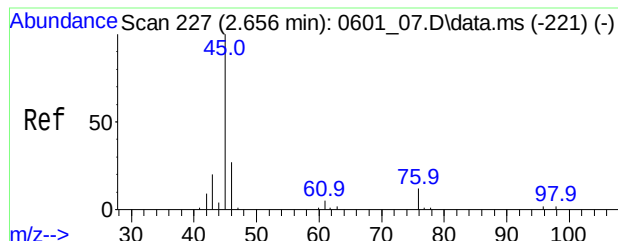
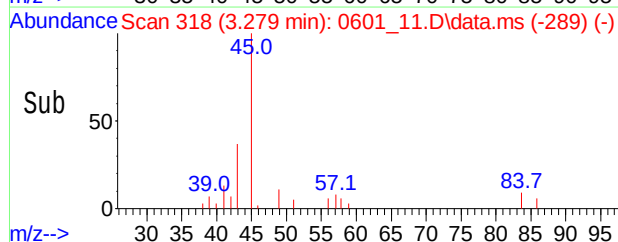
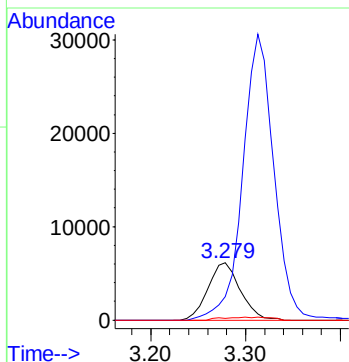
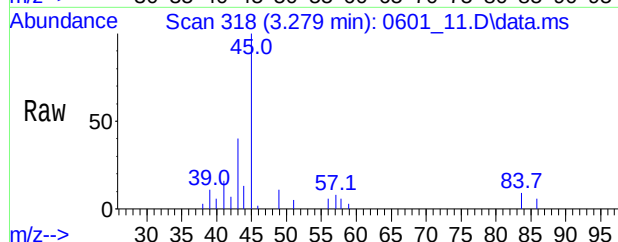
Tgt Ion: 101 Resp: 16098
Ion Ratio Lower Upper
101 100
103 65.8 55.4 83.2
66 12.4 11.4 17.0





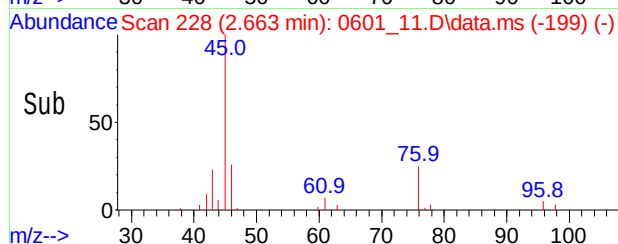
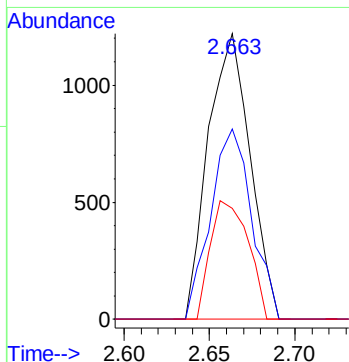
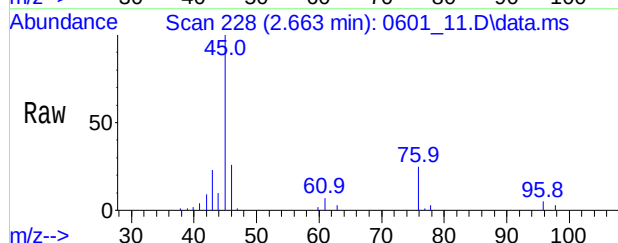
#14
Isopropylalcohol
Conc: 8\$ 0.421 ppbv
RT: 3.279 min Scan# 318
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

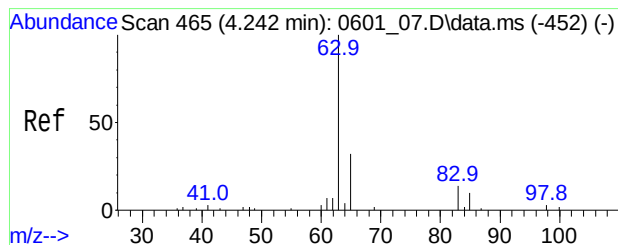
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	14501		
43	486.0	137.3	205.9#	
59	7.6	0.0	0.0#	



#16
1,1-Dichloroethene
Conc: 8\$ Below Cal
RT: 2.663 min Scan# 228
Delta R.T. 0.007 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

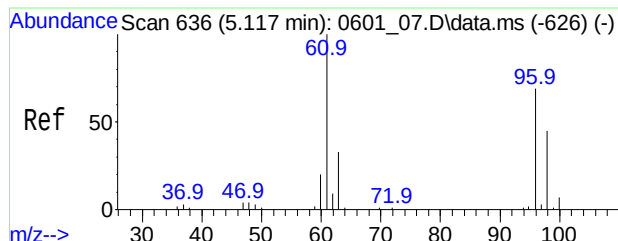
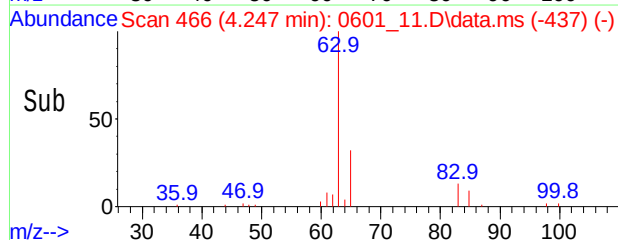
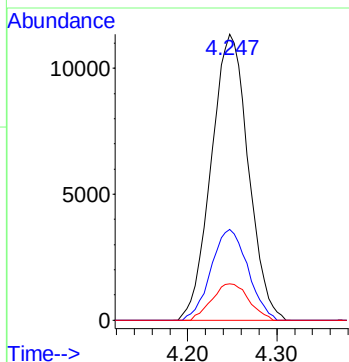
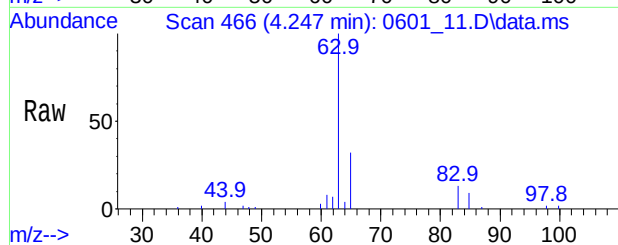
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	2085		
96	65.3	49.5	74.3	
98	37.4	28.1	42.1	





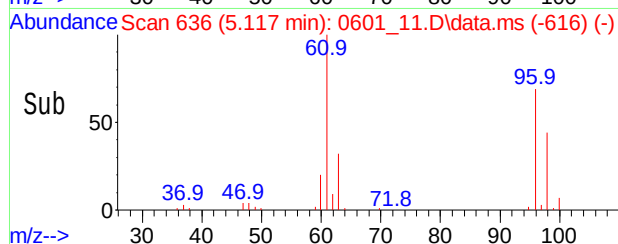
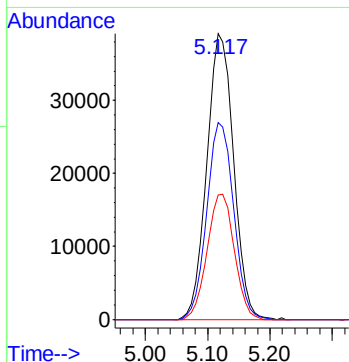
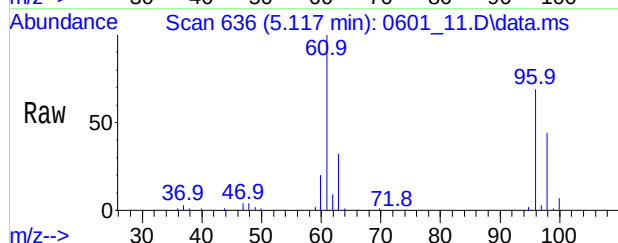
#23
1,1-Dichloroethane
Conc: 8\$ 0.894 ppbv
RT: 4.247 min Scan# 466
Delta R.T. 0.005 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

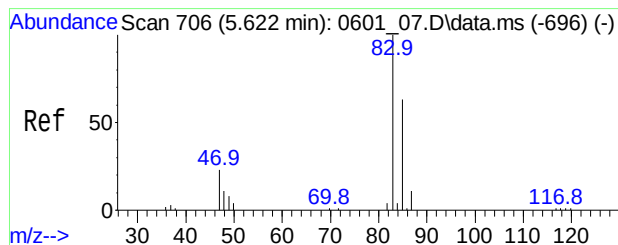
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	32732		
65	31.5	13.7	53.7	
83	12.7	0.0	27.0	



#26
Cis-1,2-Dichloroethene
Conc: 8\$ 3.971 ppbv
RT: 5.117 min Scan# 636
Delta R.T. -0.008 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

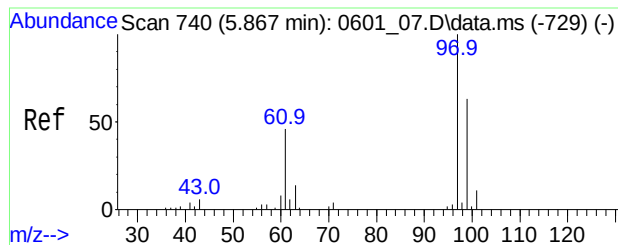
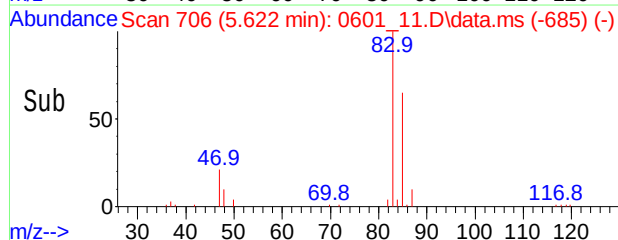
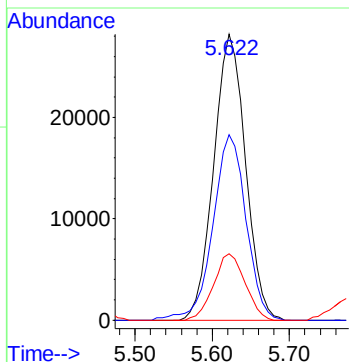
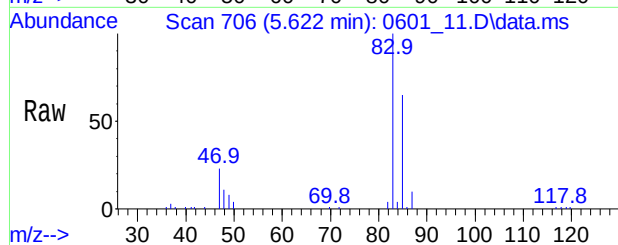
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	115040		
96	69.2	58.4	87.6	
98	44.4	33.0	49.4	





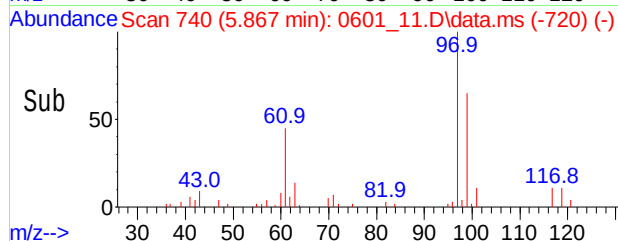
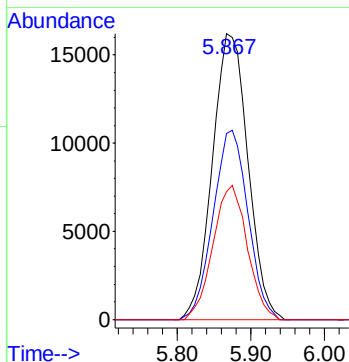
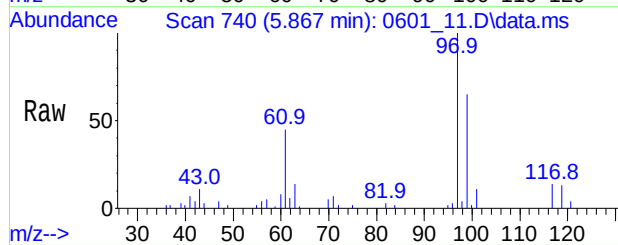
#28
Chloroform
Conc: 8\$ 1.806 ppbv
RT: 5.622 min Scan# 706
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

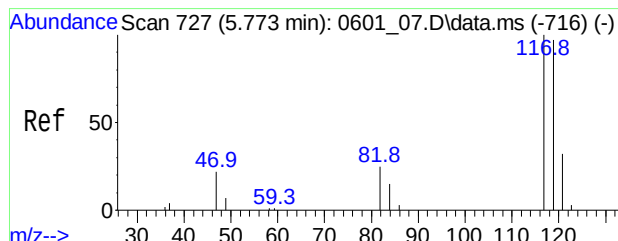
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	80430		
85	67.5	42.5	82.5	
47	23.0	1.5	41.5	



#32
1,1,1-Trichloroethane
Conc: 8\$ 1.301 ppbv
RT: 5.867 min Scan# 740
Delta R.T. -0.007 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

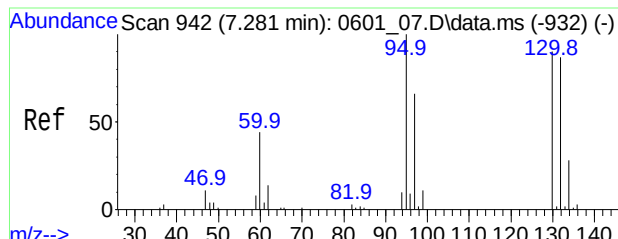
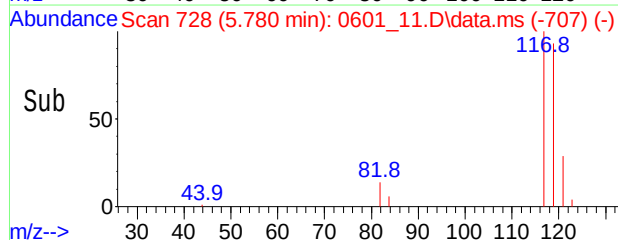
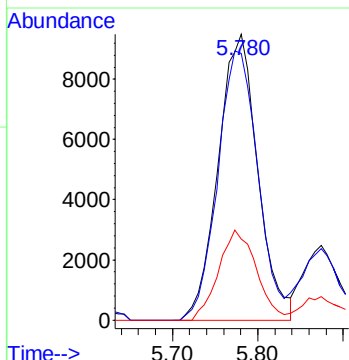
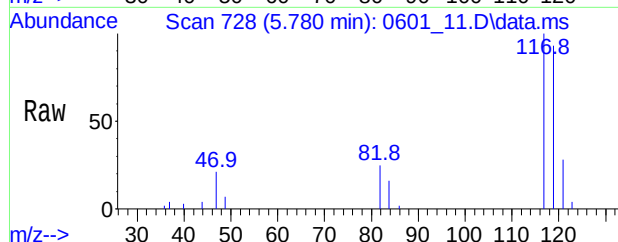
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	54306		
99	64.9	48.0	72.0	
61	45.3	47.5	71.3#	





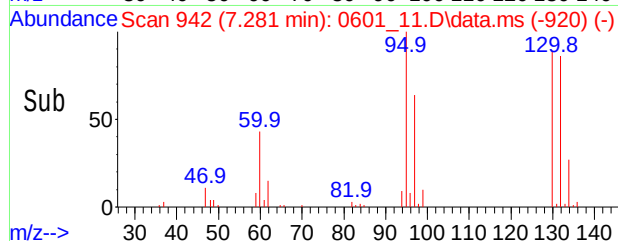
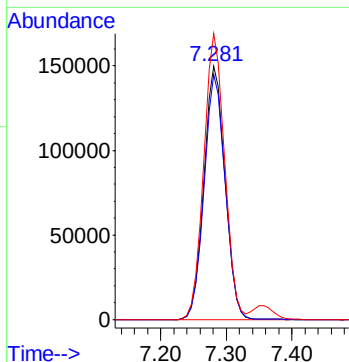
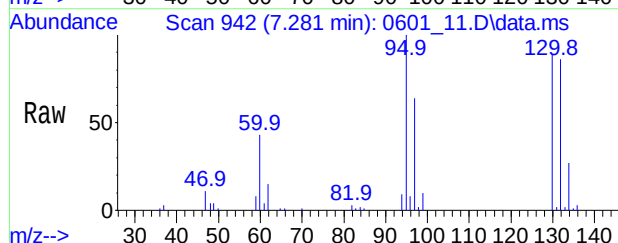
#34
Carbon Tetrachloride
Conc: 8\$ 0.717 ppbv
RT: 5.780 min Scan# 728
Delta R.T. 0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

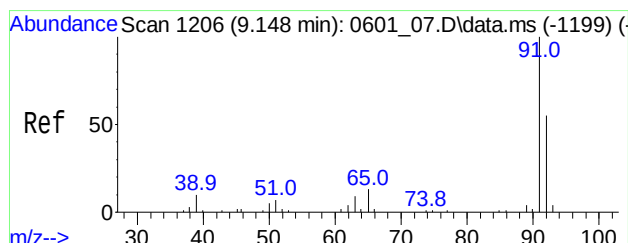
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30576		
119	95.1	75.0	115.0	
121	30.1	6.8	46.8	



#39
Trichloroethene
Conc: 8\$ 12.057 ppbv
RT: 7.281 min Scan# 942
Delta R.T. 0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

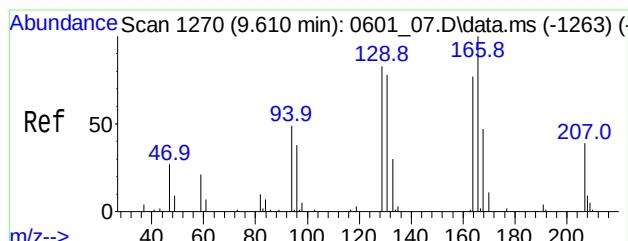
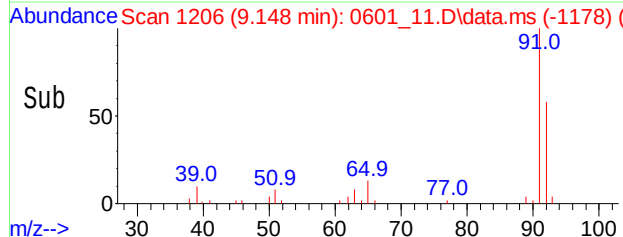
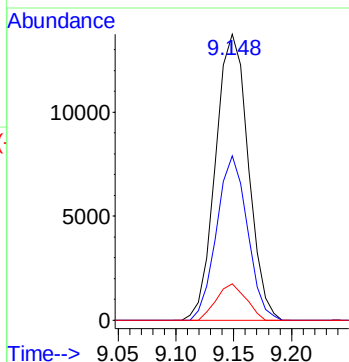
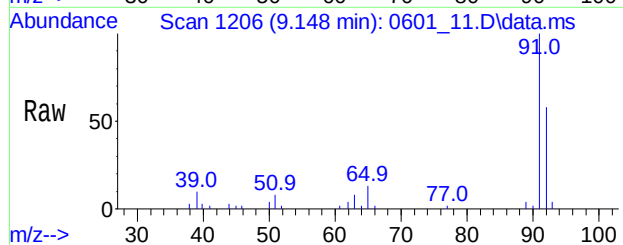
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	330569		
132	96.3	76.6	114.8	
95	111.9	89.6	134.4	





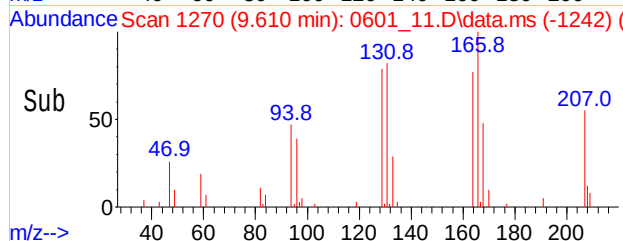
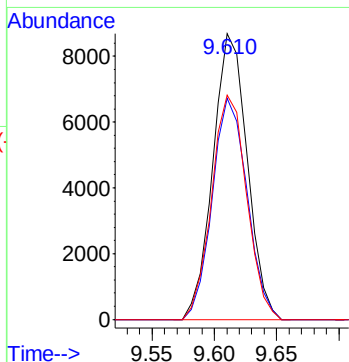
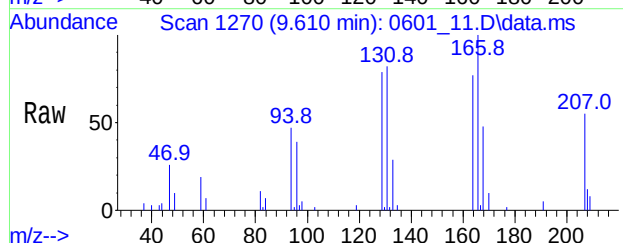
#48
Toluene
Conc: 8\$ 0.369 ppbv
RT: 9.148 min Scan# 1206
Delta R.T. 0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

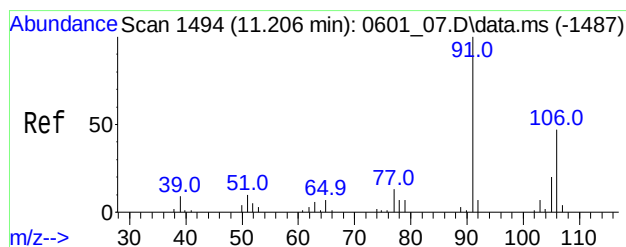
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	26692		
92	54.2	43.4	65.0	
65	11.4	8.2	12.4	



#52
Tetrachloroethene
Conc: 8\$ 0.478 ppbv
RT: 9.610 min Scan# 1270
Delta R.T. 0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

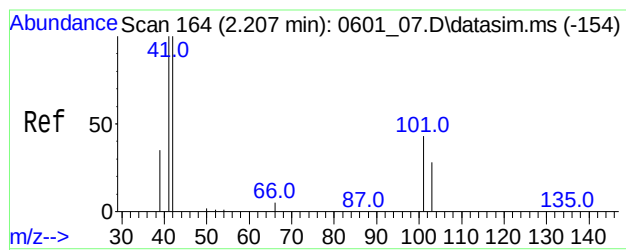
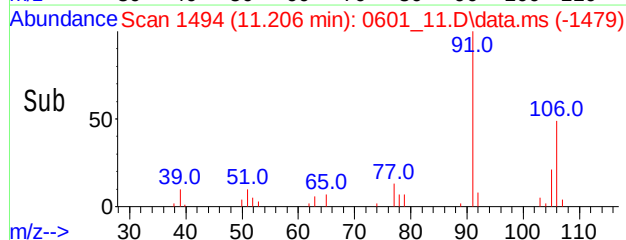
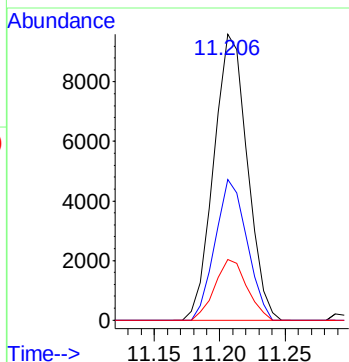
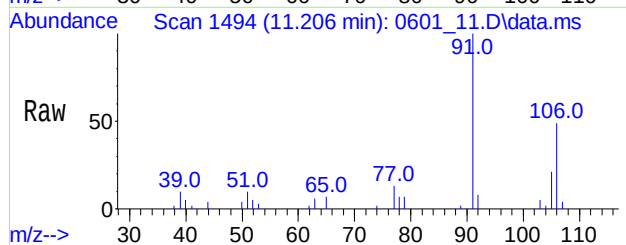
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	16461		
164	78.6	61.0	91.6	
129	80.0	63.7	95.5	





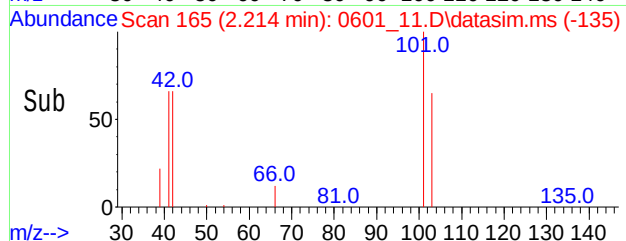
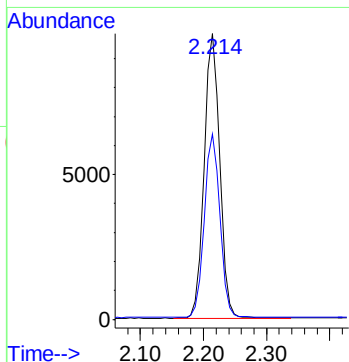
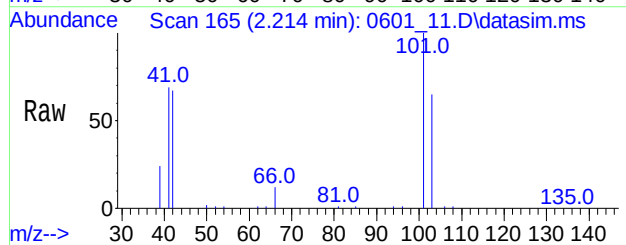
#57
m,p-Xylene
Conc: 8\$ 0.243 ppbv
RT: 11.206 min Scan# 1494
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

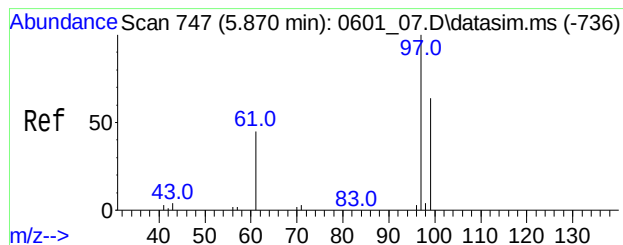
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	16889		
106	46.7	36.7	55.1	
105	20.3	16.9	25.3	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.326 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

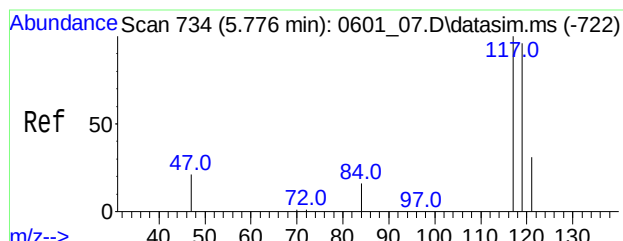
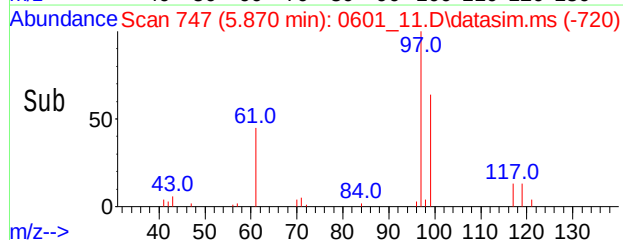
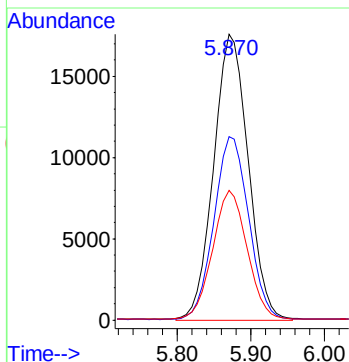
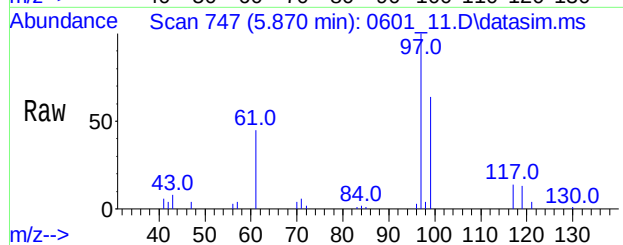
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	16774		
103	64.8	52.7	79.1	





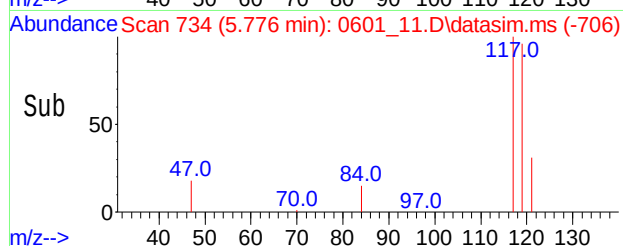
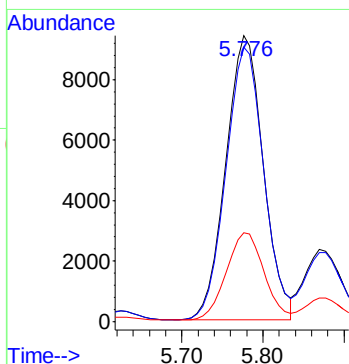
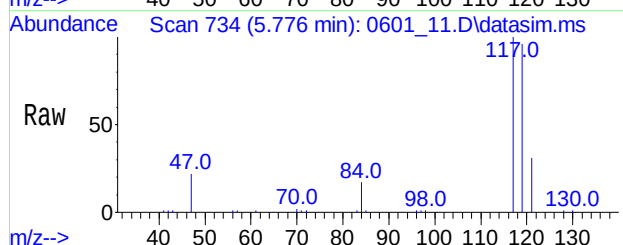
#85
1,1,1-Trichloroethane(sim)
Conc: 8\$ 1.252 ppbv
RT: 5.867 min Scan# 747
Delta R.T. -0.007 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

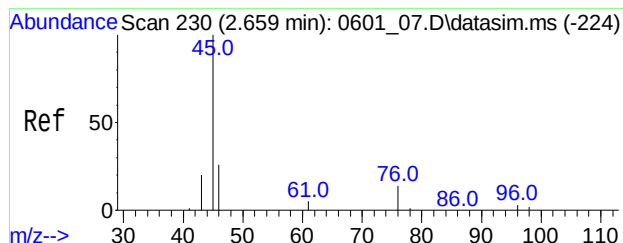
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	54306		
99	64.9	60.0	60.0	60.0
61	45.3	47.5	47.5	71.3



#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.723 ppbv
RT: 5.776 min Scan# 734
Delta R.T. 0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

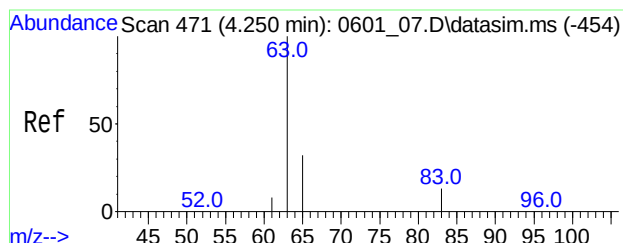
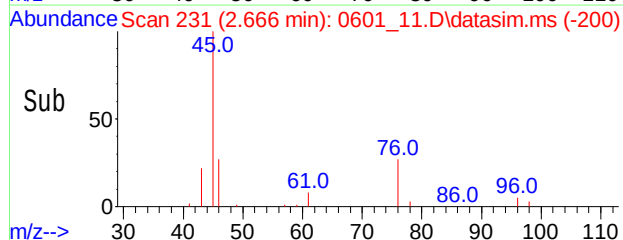
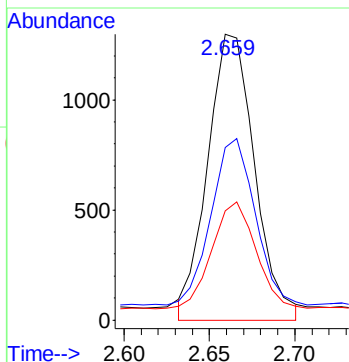
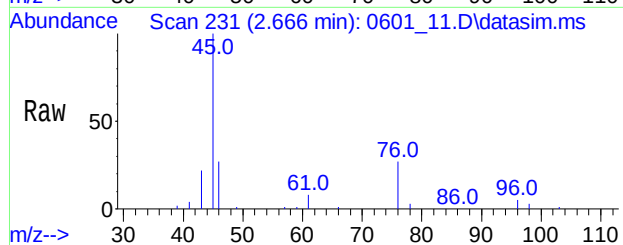
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30338		
119	96.5	76.6	76.6	115.0
121	31.0	24.6	24.6	36.8





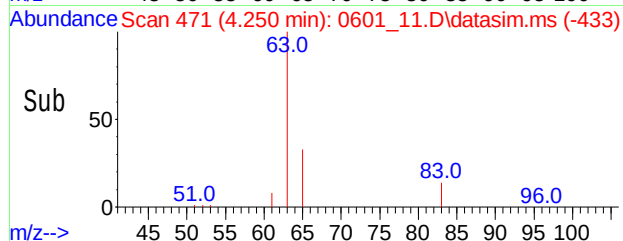
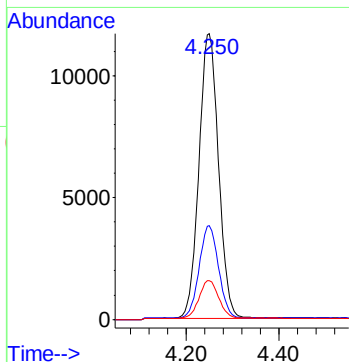
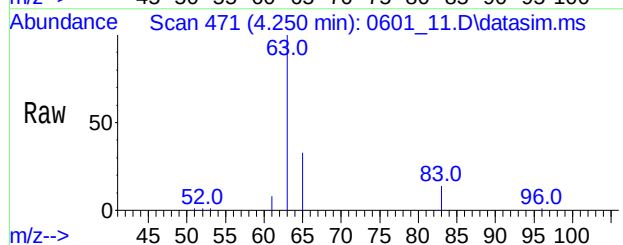
#87
1,1-Dichloroethene(sim)
Conc: 8\$ 0.071 ppbv
RT: 2.663 min Scan# 231
Delta R.T. 0.007 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

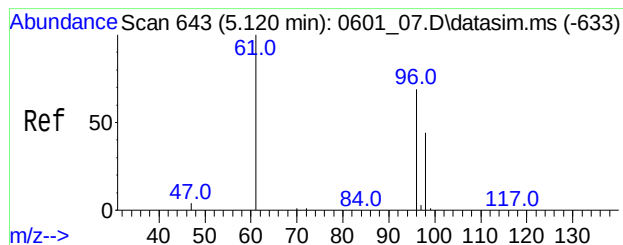
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	2085		
96	65.3	49.5	74.3	
98	37.4	28.1	42.1	



#90
1,1-Dichloroethane(sim)
Conc: 8\$ 0.872 ppbv
RT: 4.250 min Scan# 471
Delta R.T. 0.005 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

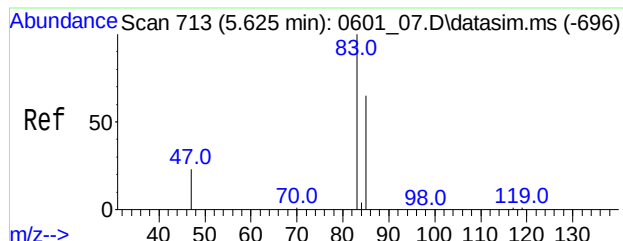
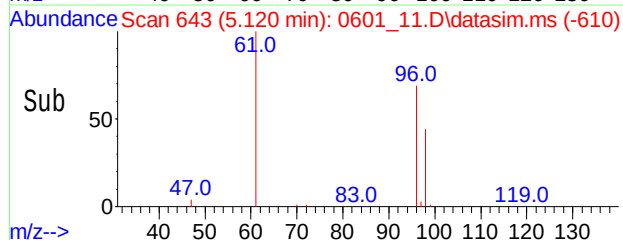
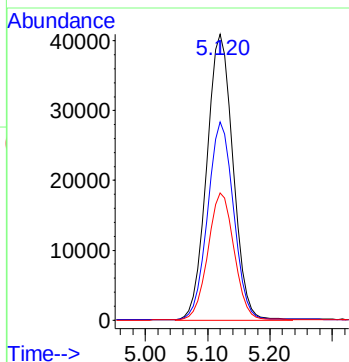
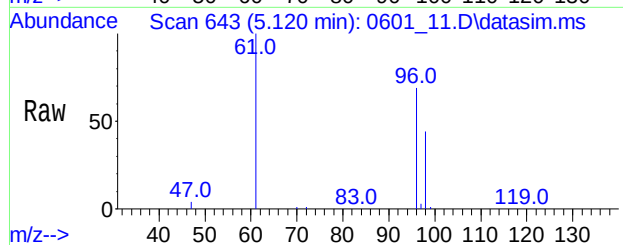
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	34112		
65	32.2	25.9	38.9	
83	13.2	10.8	16.2	





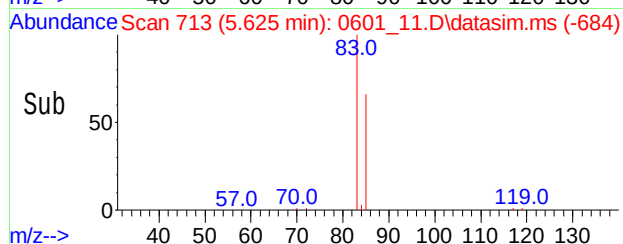
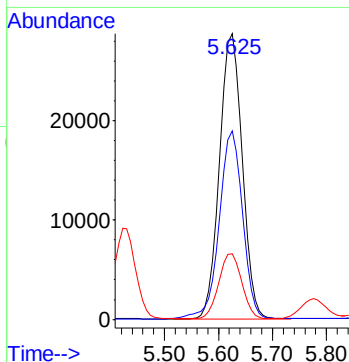
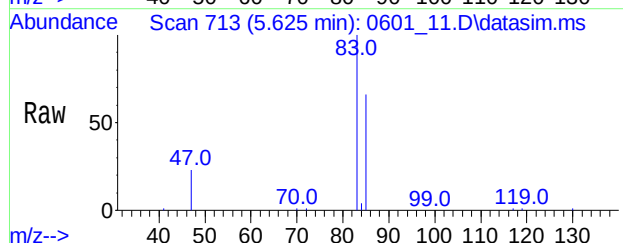
#91
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 3.879 ppbv
RT: 5.117 min Scan# 643
Delta R.T. -0.008 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

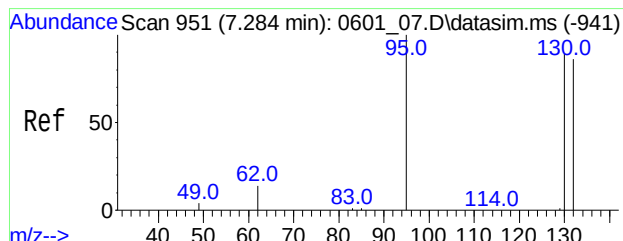
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	115040		
96	69.2	58.4	87.6	
98	44.4	33.0	49.4	



#92
Chloroform(sim)
Conc: 8\$ 1.788 ppbv
RT: 5.625 min Scan# 713
Delta R.T. 0.007 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

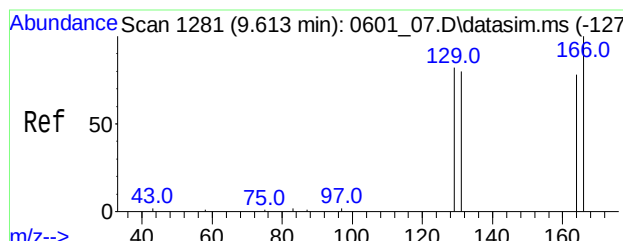
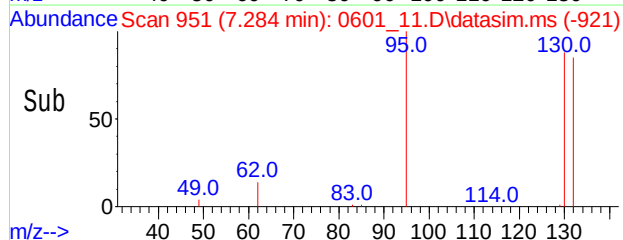
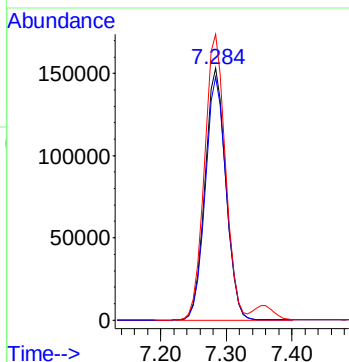
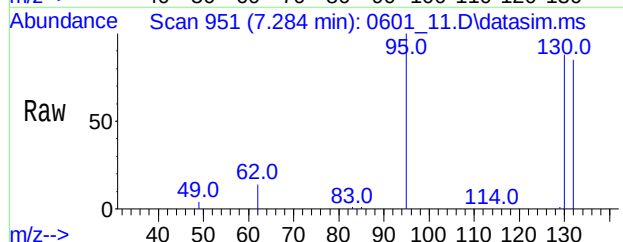
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	83410		
85	67.7	52.6	78.8	
47	23.0	19.3	28.9	





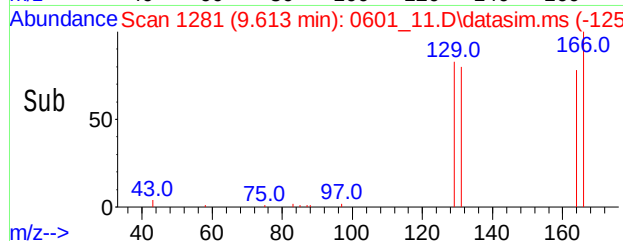
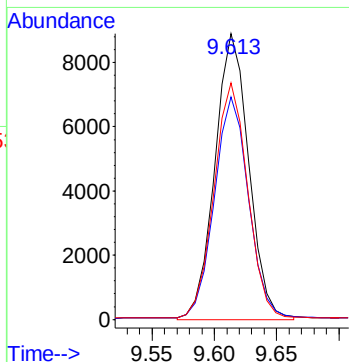
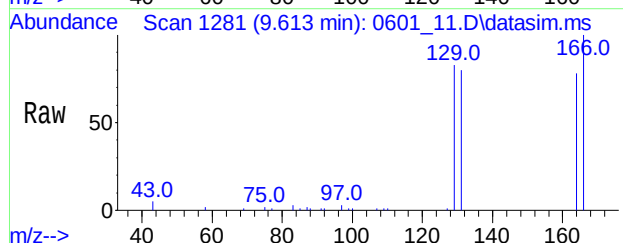
#97
Trichloroethene(sim)
Conc: 8\$ 11.805 ppbv
RT: 7.281 min Scan# 951
Delta R.T. 0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

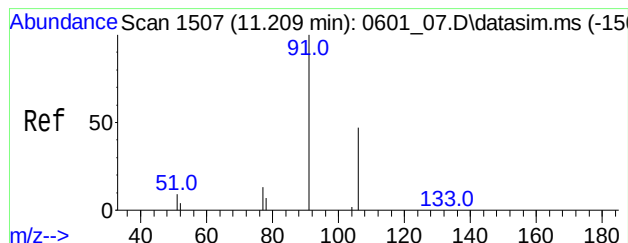
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	330569		
132	96.3	74.3	111.5	
95	111.9	89.6	134.4	



#103
Tetrachloroethene(sim)
Conc: 8\$ 0.478 ppbv
RT: 9.610 min Scan# 1281
Delta R.T. 0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 11:55 am

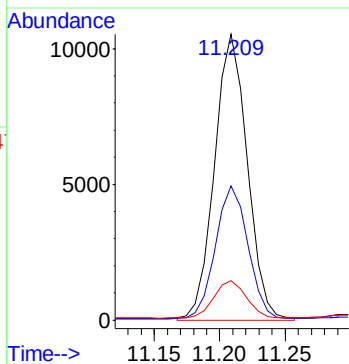
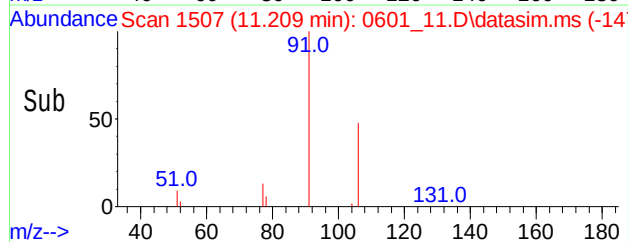
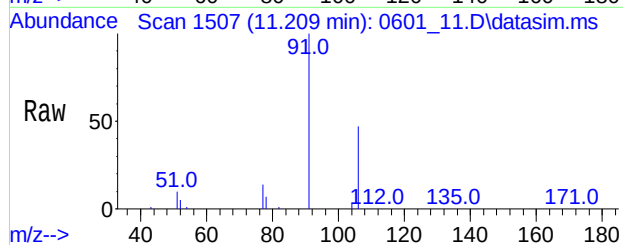
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	16461		
164	78.6	56.3	96.3	
129	80.0	59.6	99.6	





#107
 m,p-Xylene(sim)
 Conc: 8\$ 0.228 ppbv
 RT: 11.206 min Scan# 1507
 Delta R.T. -0.000 min
 Lab File: 0601_11.D
 Acq: 1 Jun 2020 11:55 am

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	16889		
106	46.7	41.3	50.5	
77	14.0	11.6	17.4	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	EW-7
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03888</u>	
Canister:	<u>13645</u>	Lab File ID:	<u>0601_12.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>	Date Received:
				<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.305		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	36.3	S	0.531	0.531	r
67-64-1	Acetone	3.81	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	1.26		0.178	0.178	r
67-63-0	Isopropylalcohol	1.37	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
79-01-6	Trichloroethene	0.378		0.037	0.037	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.977		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.662		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.255		0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

EW-7

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03888

Canister: 13645 Lab File ID: 0601_12.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.082		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.051		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_12.D
 Acq On : 1 Jun 2020 12:31 pm
 Operator : Keith
 Sample : 03888
 Misc :
 ALS Vial : 142 Sample Multiplier: 1

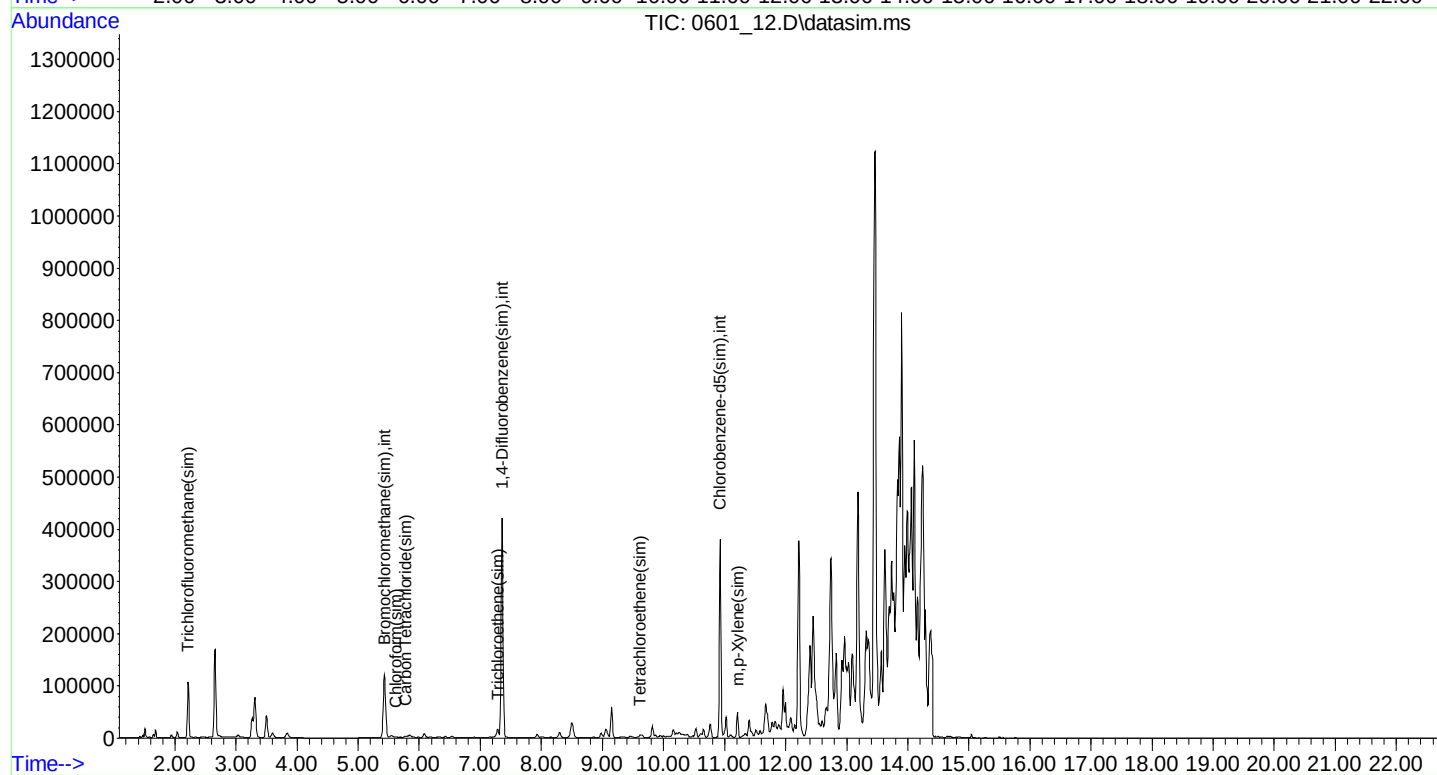
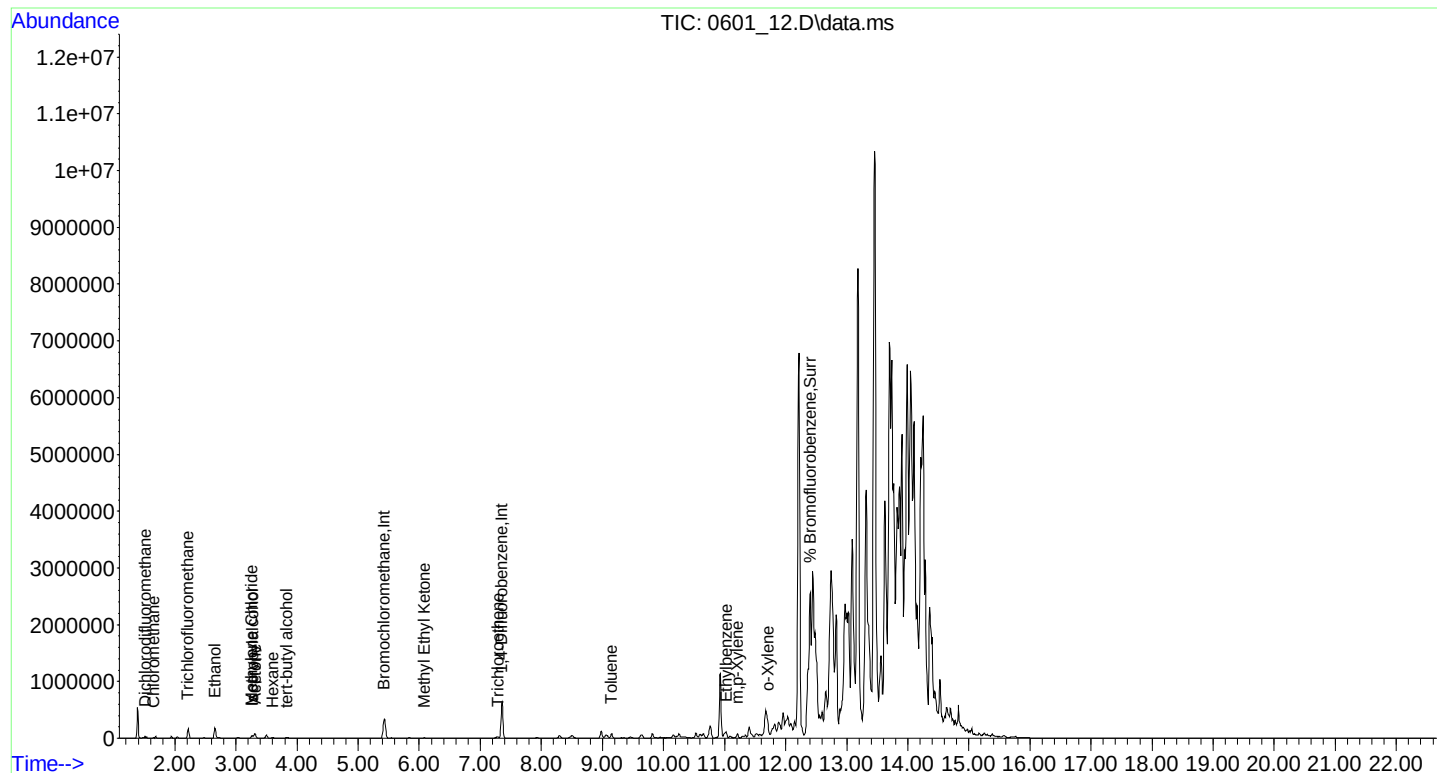
Quant Time: Jun 01 13:16:45 2020
 Quant Title :
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

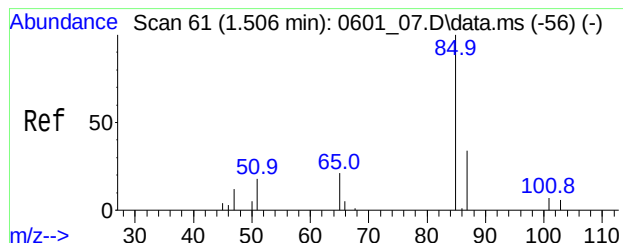
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	171344	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.356	114	613860	10.000	ng	0.00
53) Chlorobenzene-d5	10.924	82	322594	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	169226	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	661896	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	339897	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.404	95	419081	9.583	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	95.80%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	1.512	85	11119	0.305	ppbv	99
4) Chloromethane	1.649	50	6928	0.394	ppbv	97
10) Ethanol	2.656	45	212376	36.307	ppbv#	73
12) Acetone	3.313	43	123193	3.808	ppbv#	80
13) Trichlorofluoromethane	2.211	101	54361	1.256	ppbv	95
14) Isopropylalcohol	3.272	45	44081	1.372	ppbv#	22
17) Methylene Chloride	3.258	49	11486	0.538	ppbv	96
18) tert-butyl alcohol	3.833	59	13214	0.581	ppbv#	69
25) Methyl Ethyl Ketone	6.083	43	12898	0.338	ppbv#	88
27) Hexane	3.600	57	7183	0.206	ppbv	89
39) Trichloroethene	7.288	130	9861	0.378	ppbv	98
48) Toluene	9.148	91	67238	0.977	ppbv	98
56) Ethylbenzene	11.027	91	18036	0.215	ppbv	97
57) m,p-Xylene	11.213	91	42500	0.662	ppbv	99
61) o-Xylene	11.707	91	17683	0.255	ppbv	96
84) Trichlorofluoromethane...	2.214	101	56626	1.182	ppbv	98
86) Carbon Tetrachloride(sim)	5.783	117	3212	0.082	ppbv	100
92) Chloroform(sim)	5.625	83	1377	0.032	ppbv	98
97) Trichloroethene(sim)	7.288	130	9792	0.367	ppbv	96
103) Tetrachloroethene(sim)	9.610	166	1680	0.051	ppbv	95
107) m,p-Xylene(sim)	11.213	91	42500	0.624	ppbv	99

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_12.D
Acq On : 1 Jun 2020 12:31 pm
Operator : Keith
Sample : 03888
Misc :
ALS Vial : 142 Sample Multiplier: 1

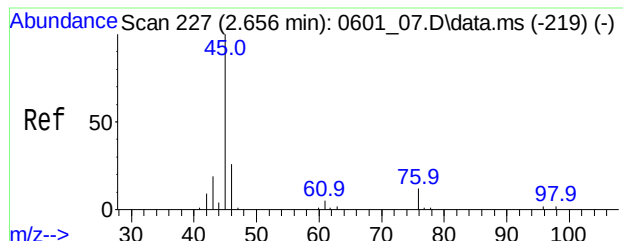
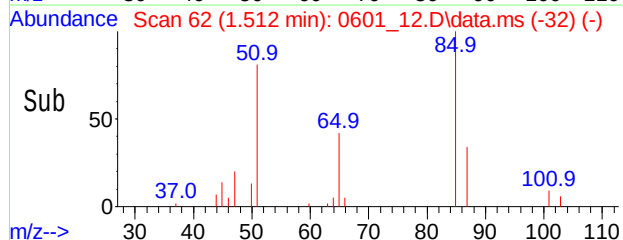
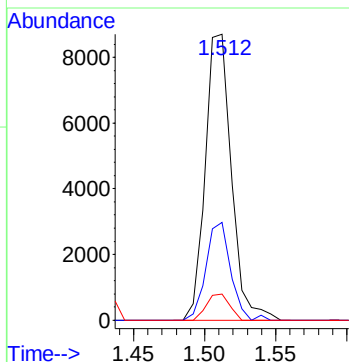
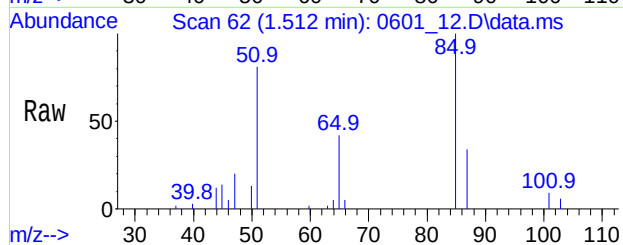
Quant Time: Jun 01 13:16:45 2020
Quant Title :
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





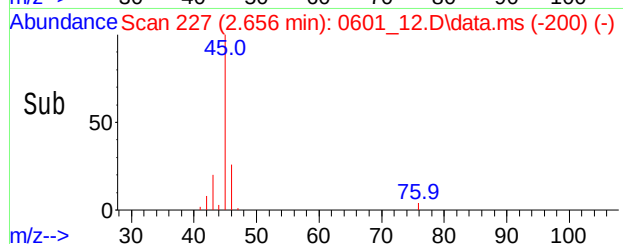
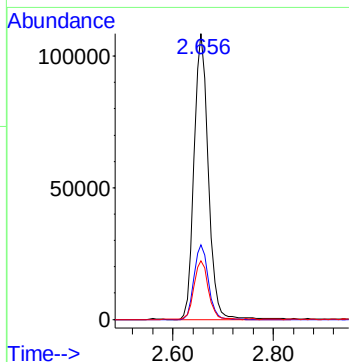
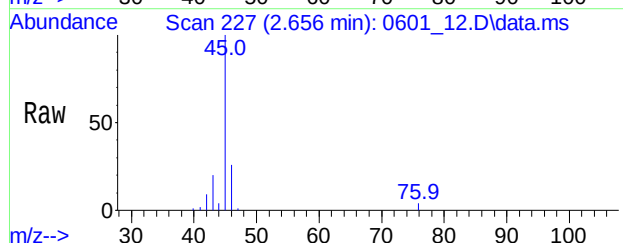
#3
Dichlorodifluoromethane
Conc: 8\$ 0.305 ppbv
RT: 1.512 min Scan# 62
Delta R.T. 0.006 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

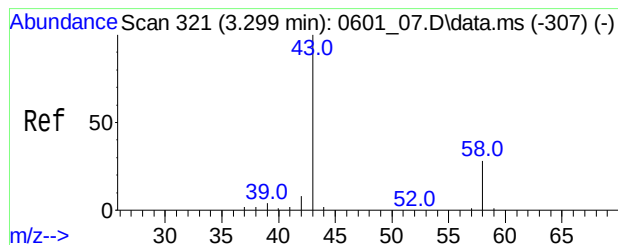
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	11119		
87	32.3	26.2	39.4	
101	8.1	6.2	9.4	



#10
Ethanol
Conc: 8\$ 36.307 ppbv
RT: 2.656 min Scan# 227
Delta R.T. -0.007 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

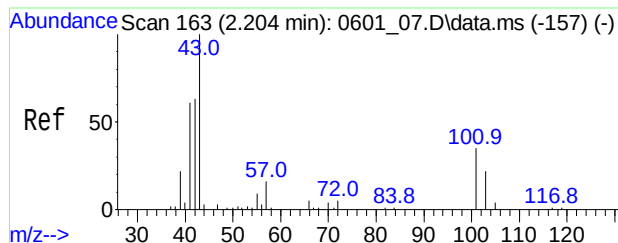
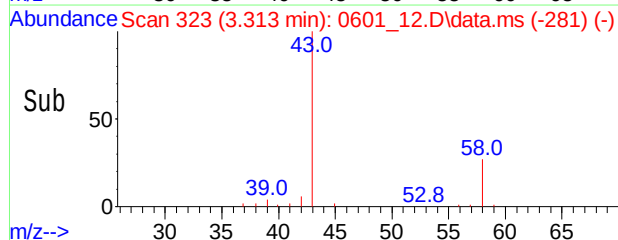
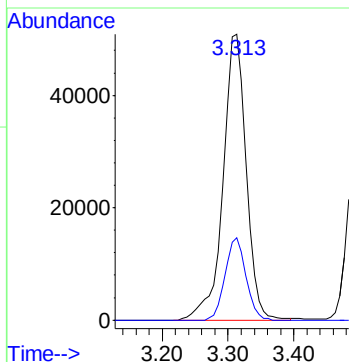
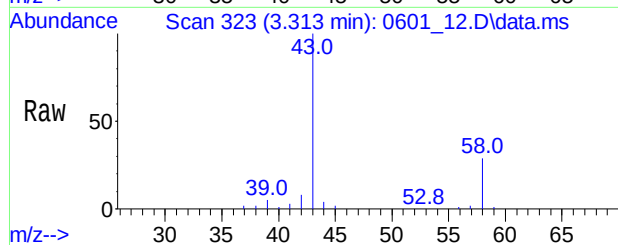
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	212376		
46	26.0	0.0	0.0#	
43	20.9	29.3	43.9#	





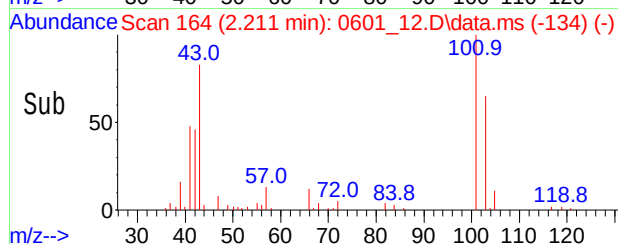
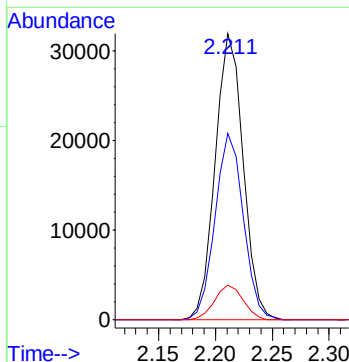
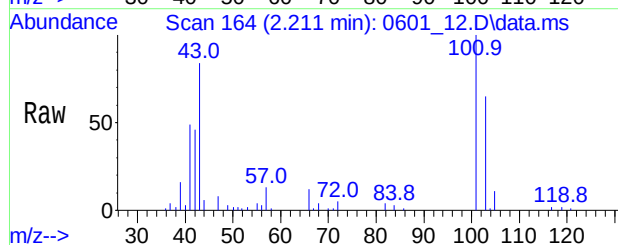
#12
Acetone
Conc: 8\$ 3.808 ppbv
RT: 3.313 min Scan# 323
Delta R.T. -0.014 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

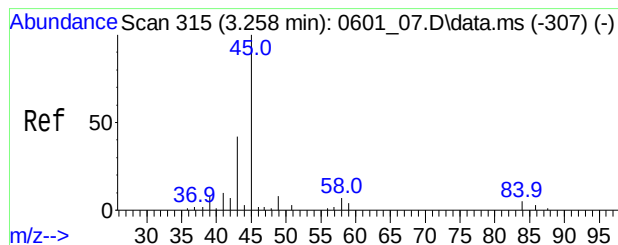
Tgt Ion: 43 Resp: 123193
Ion Ratio Lower Upper
43 100
58 25.8 13.8 20.6#



#13
Trichlorofluoromethane
Conc: 8\$ 1.256 ppbv
RT: 2.211 min Scan# 164
Delta R.T. 0.007 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

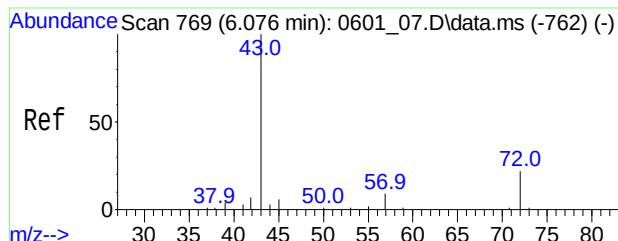
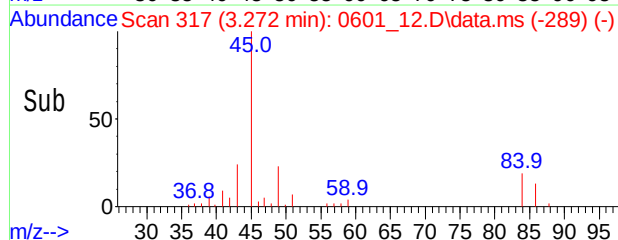
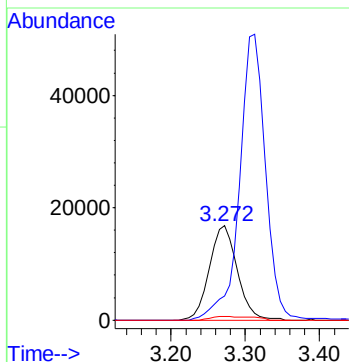
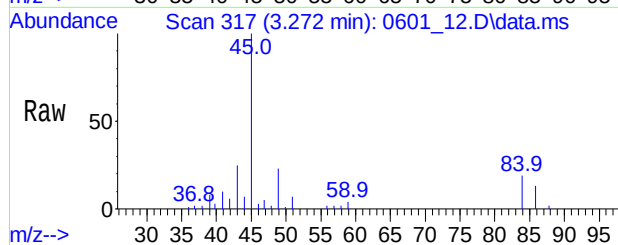
Tgt Ion: 101 Resp: 54361
Ion Ratio Lower Upper
101 100
103 65.6 55.4 83.2
66 12.2 11.4 17.0





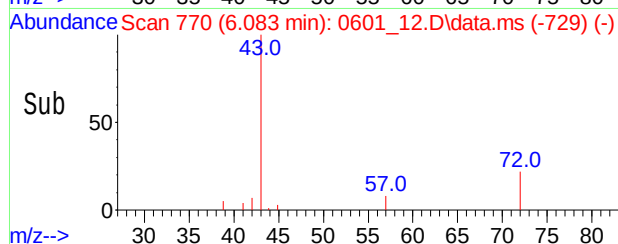
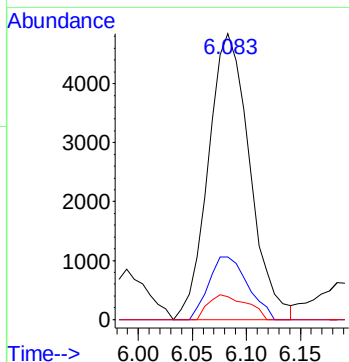
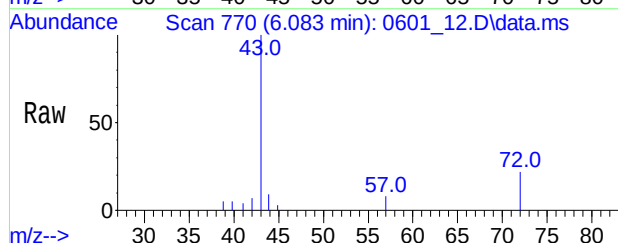
#14
Isopropylalcohol
Conc: 8\$ 1.372 ppbv
RT: 3.272 min Scan# 317
Delta R.T. -0.007 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

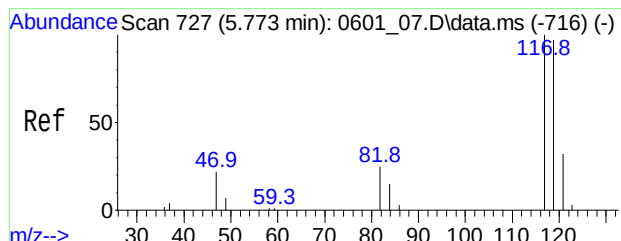
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	44081		
43	279.5	137.3	205.9#	
59	3.6	0.0	0.0#	



#25
Methyl Ethyl Ketone
Conc: 8\$ 0.338 ppbv
RT: 6.083 min Scan# 770
Delta R.T. -0.007 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

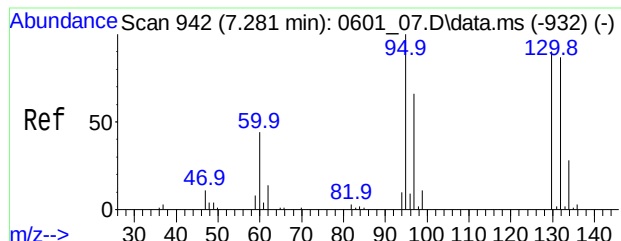
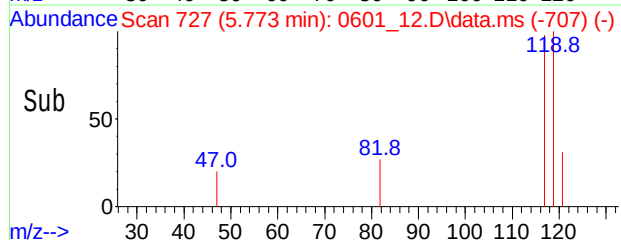
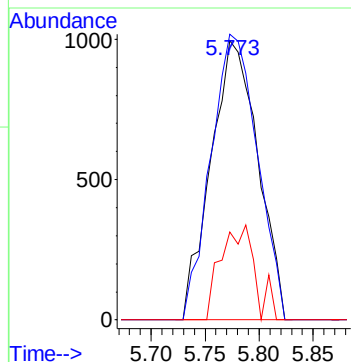
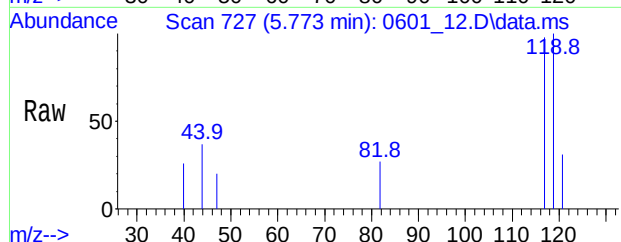
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	12898		
72	20.8	12.6	19.0#	
57	8.0	0.0	0.0#	





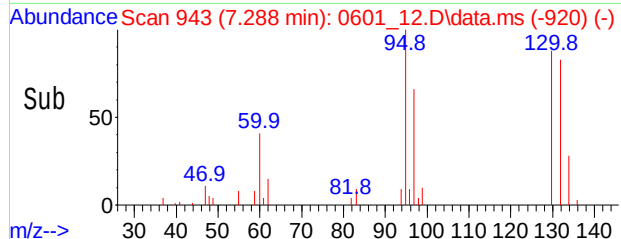
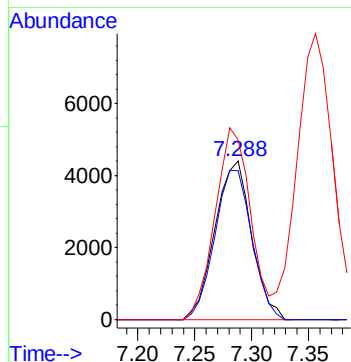
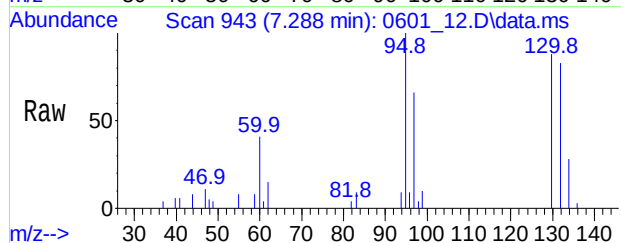
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.773 min Scan# 727
Delta R.T. -0.007 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

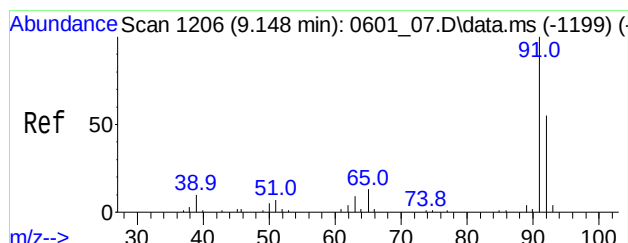
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3013		
119	101.1	75.0	115.0	
121	24.6	6.8	46.8	



#39
Trichloroethene
Conc: 8\$ 0.378 ppbv
RT: 7.288 min Scan# 943
Delta R.T. 0.007 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

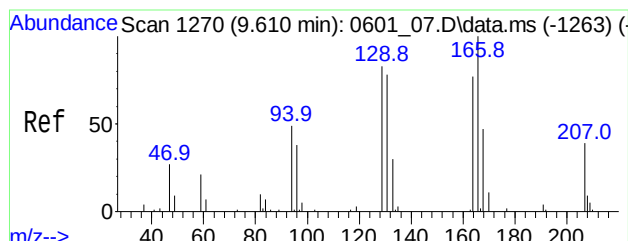
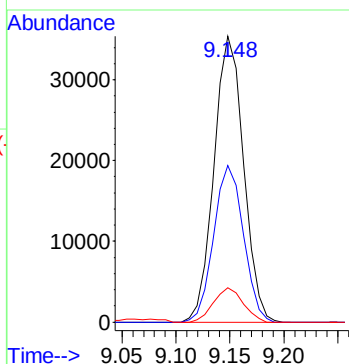
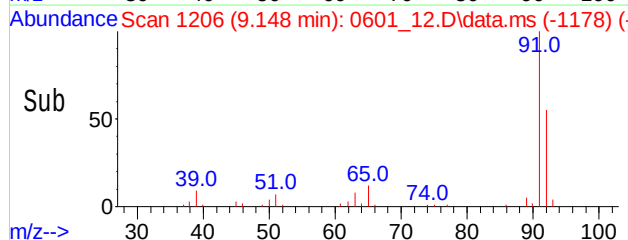
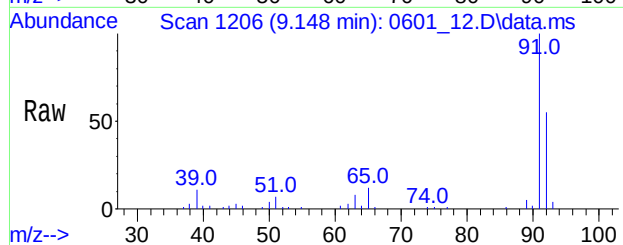
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	9861		
132	95.2	76.6	114.8	
95	116.5	89.6	134.4	





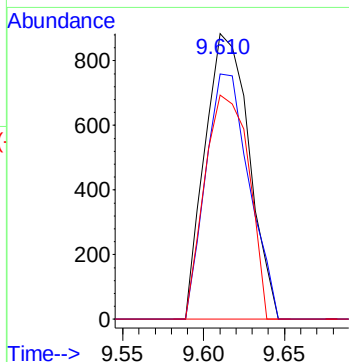
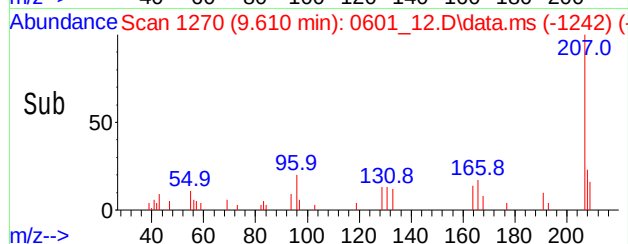
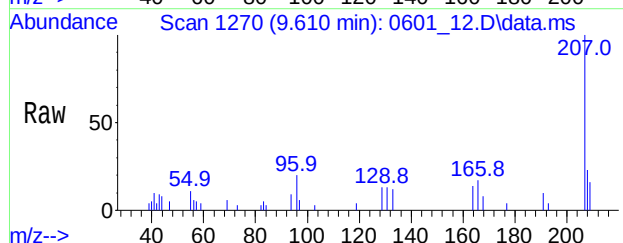
#48
Toluene
Conc: 8\$ 0.977 ppbv
RT: 9.148 min Scan# 1206
Delta R.T. 0.000 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

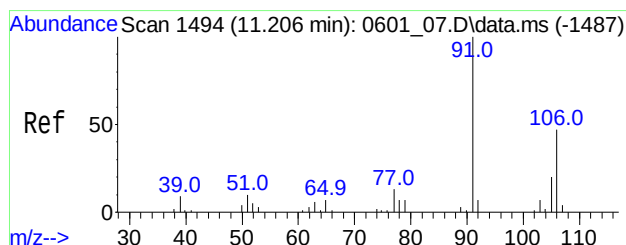
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	67238		
92	55.1	43.4	65.0	
65	12.0	8.2	12.4	



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 9.610 min Scan# 1270
Delta R.T. 0.000 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

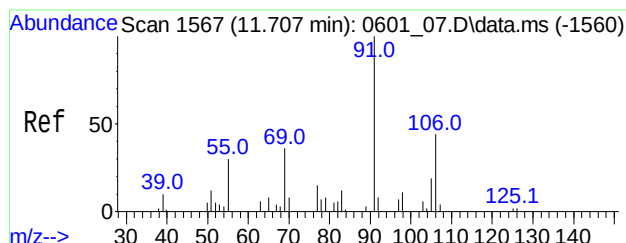
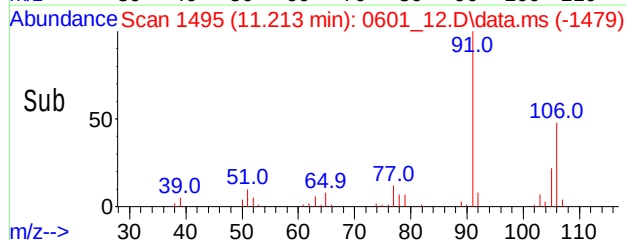
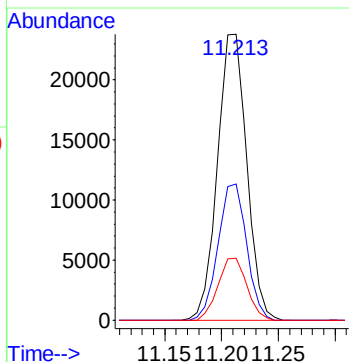
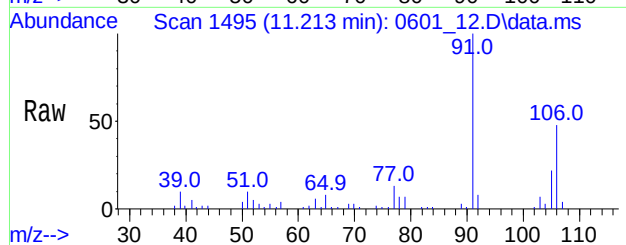
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1680		
164	84.8	61.0	91.6	
129	78.5	63.7	95.5	





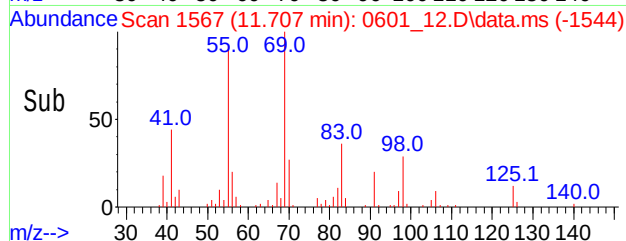
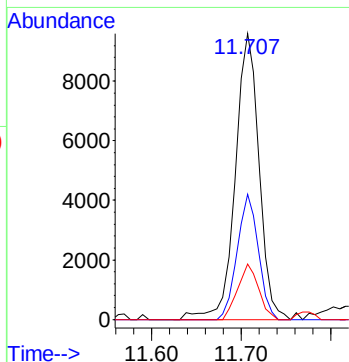
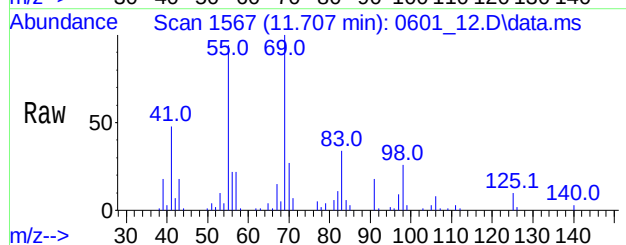
#57
m,p-Xylene
Conc: 8\$ 0.662 ppbv
RT: 11.213 min Scan# 1495
Delta R.T. 0.007 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

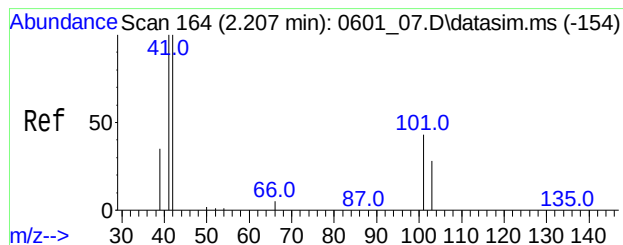
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	42500		
106	46.5	36.7	55.1	
105	21.3	16.9	25.3	



#61
o-Xylene
Conc: 8\$ 0.255 ppbv
RT: 11.707 min Scan# 1567
Delta R.T. 0.007 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

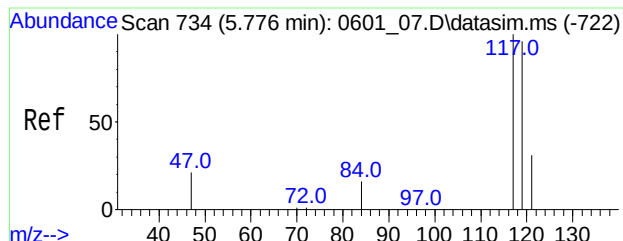
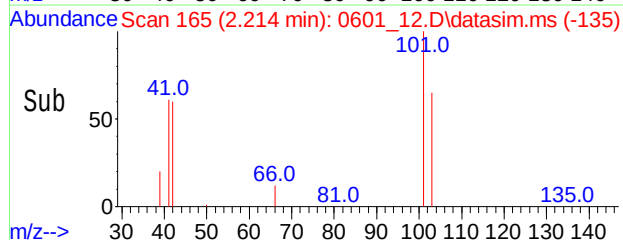
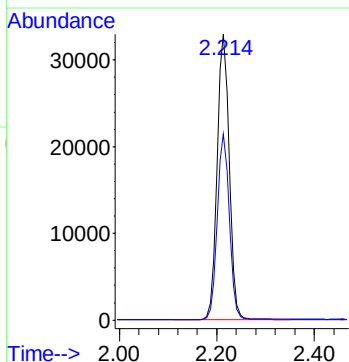
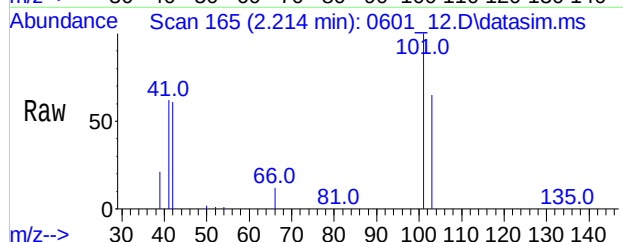
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	17683		
106	38.9	33.0	49.6	
105	17.1	14.6	22.0	





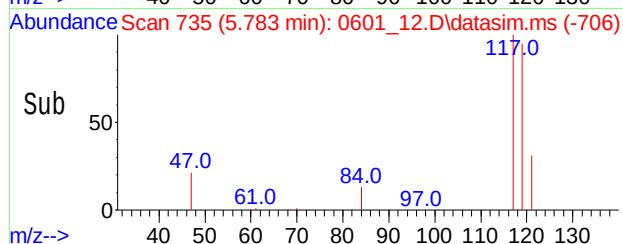
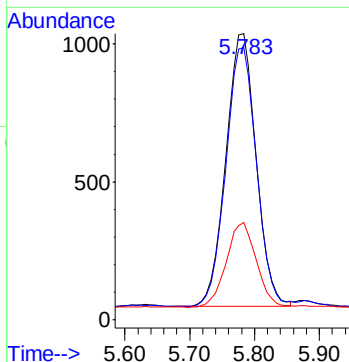
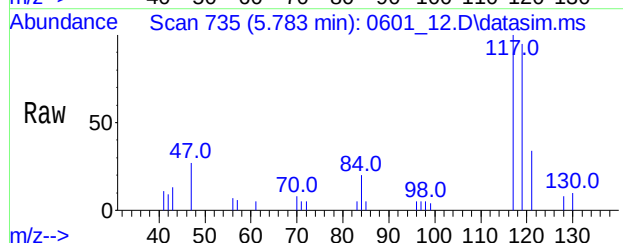
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 1.182 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

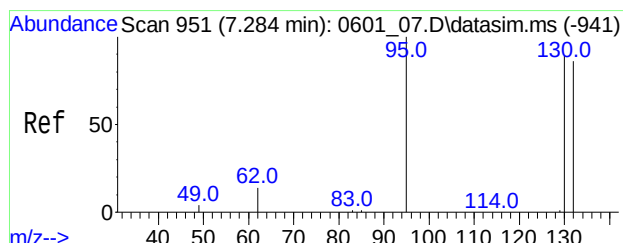
Tgt Ion: 101 Resp: 56626
Ion Ratio Lower Upper
101 100
103 64.6 52.7 79.1



#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.082 ppbv
RT: 5.783 min Scan# 735
Delta R.T. 0.007 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

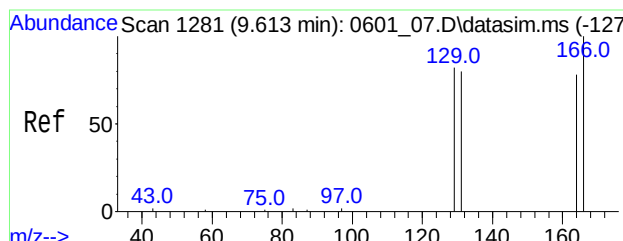
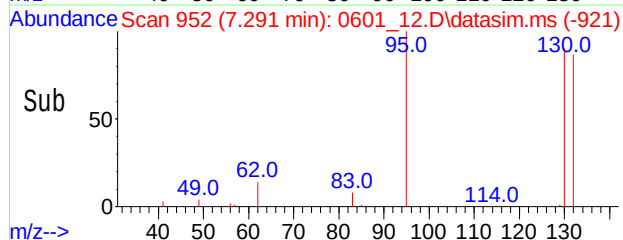
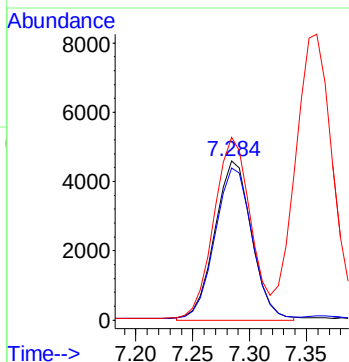
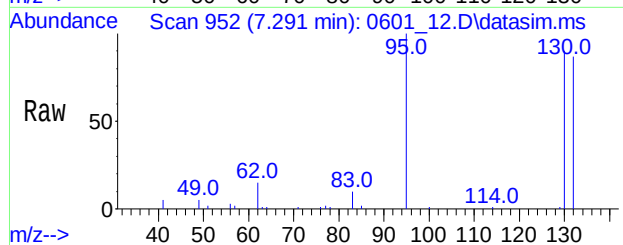
Tgt Ion: 117 Resp: 3212
Ion Ratio Lower Upper
117 100
119 96.1 76.6 115.0
121 31.1 24.6 36.8





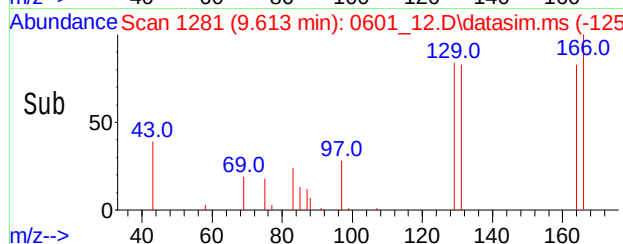
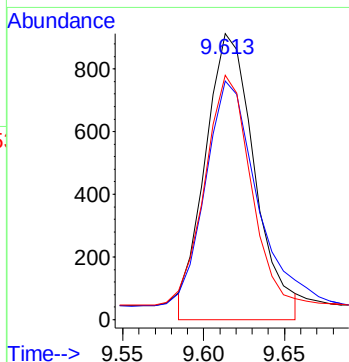
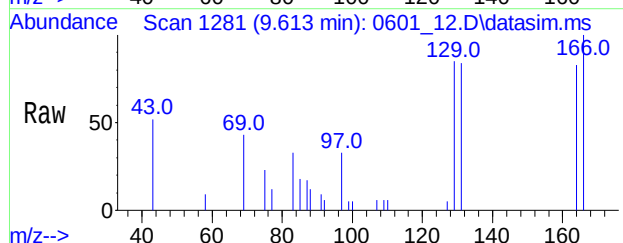
#97
Trichloroethene(sim)
Conc: 8\$ 0.367 ppbv
RT: 7.288 min Scan# 952
Delta R.T. 0.007 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

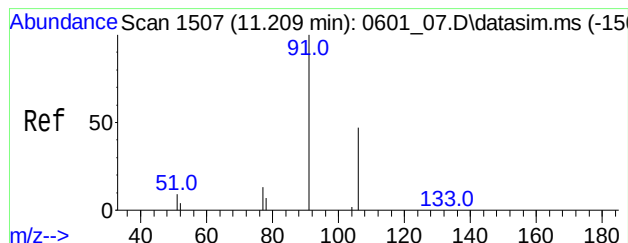
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	9792		
132	95.9	74.3	111.5	
95	117.3	89.6	134.4	



#103
Tetrachloroethene(sim)
Conc: 8\$ 0.051 ppbv
RT: 9.610 min Scan# 1281
Delta R.T. 0.000 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 12:31 pm

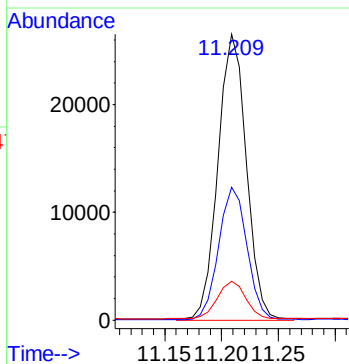
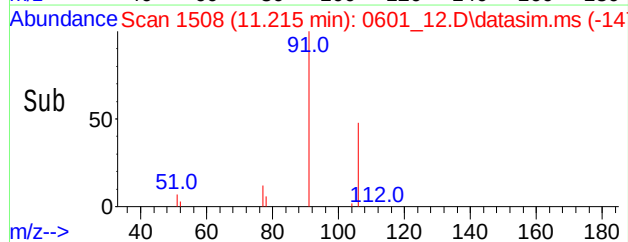
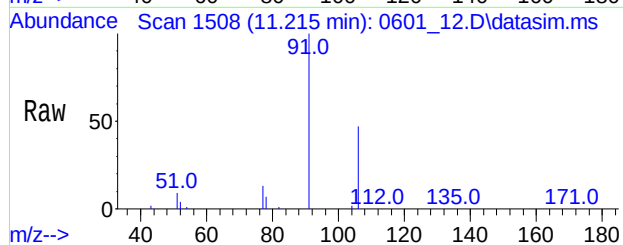
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1680		
164	84.8	56.3	96.3	
129	78.5	59.6	99.6	





#107
 m,p-Xylene(sim)
 Conc: 8\$ 0.624 ppbv
 RT: 11.213 min Scan# 1508
 Delta R.T. 0.007 min
 Lab File: 0601_12.D
 Acq: 1 Jun 2020 12:31 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
106	46.5	41.3	50.5	
77	13.9	11.6	17.4	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

EW-6

SDG No.: GCG03886

Lab Sample ID: CG03889

Canister: 484

Lab File ID: 0601_13.D

Instrument: CHEM24 Column: RTX-VMS

Date Received: 06/01/20

Purge Volume 200 (cc)

Date Analyzed: 06/01/20

Matrix: AIR

Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.382		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	37.6	S	0.531	0.531	r
67-64-1	Acetone	14.9	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.277		0.178	0.178	r
67-63-0	Isopropylalcohol	4.31	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.807		0.339	0.339	r
110-54-3	Hexane	0.381	S	0.284	0.284	r
67-66-3	Chloroform	0.355		0.205	0.205	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride	0.277		0.032	0.032	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
79-01-6	Trichloroethene	6.51		0.037	0.037	r
142-82-5	Heptane	0.526		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	1.37		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
127-18-4	Tetrachloroethene	1.97		0.037	0.037	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.687		0.230	0.230	r
179601-23-1	m,p-Xylene	0.895		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.285		0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.420		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

EW-6

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03889

Canister: 484 Lab File ID: 0601_13.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
95-63-6	1,2,4-Trimethylbenzene	0.481		0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
75-35-4	1,1-Dichloroethene(sim)	0.065		0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
79-34-5	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_13.D
 Acq On : 1 Jun 2020 1:08 pm
 Operator : Keith
 Sample : 03889
 Misc :
 ALS Vial : 143 Sample Multiplier: 1

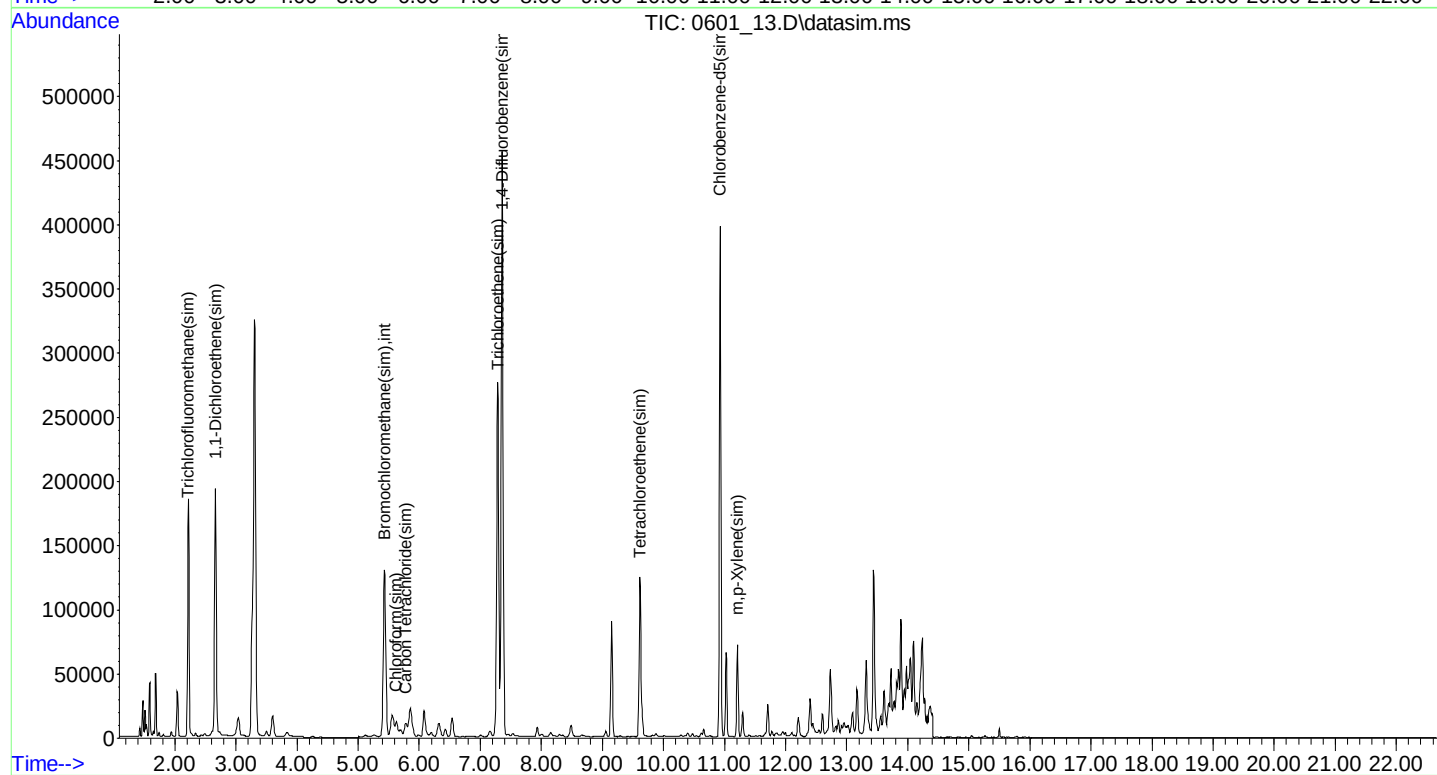
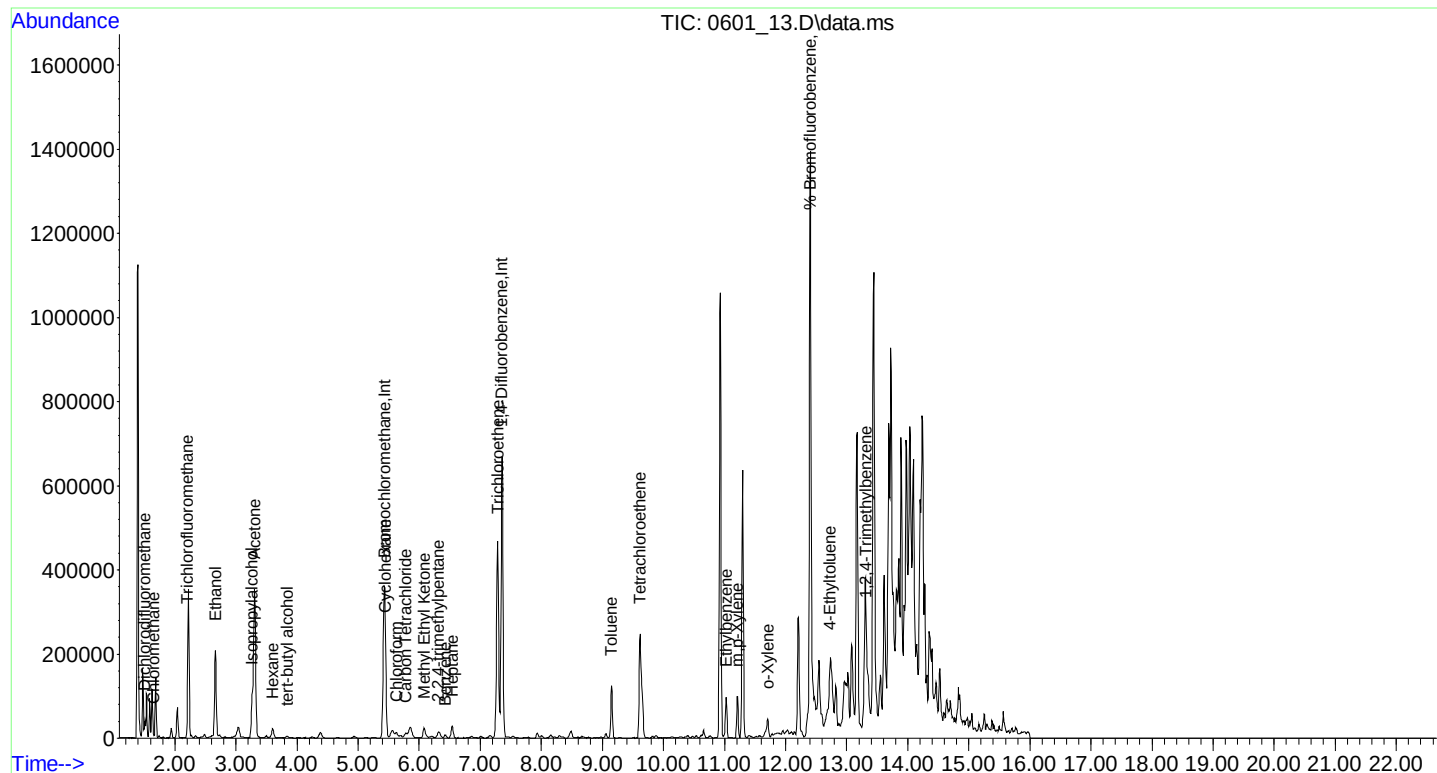
Quant Time: Jun 01 15:17:21 2020
 Quant Title :
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

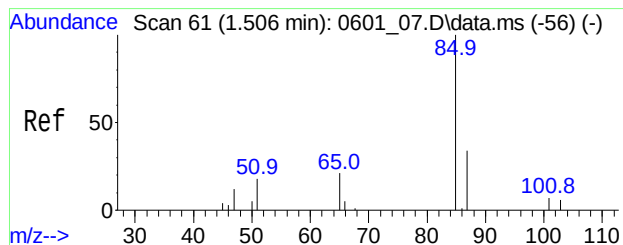
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.435	130	183348	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	653945	10.000	ng	0.00
53) Chlorobenzene-d5	10.932	82	349829	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	180066	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.360	114	702957	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.928	82	367553	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.405	95	474477	10.005	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.10%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	1.506	85	14893	0.382	ppbv	99
4) Chloromethane	1.650	50	3569	0.190	ppbv	96
10) Ethanol	2.663	45	235407	37.609	ppbv#	73
12) Acetone	3.306	43	517251	14.940	ppbv#	78
13) Trichlorofluoromethane	2.211	101	12805	0.277	ppbv	92
14) Isopropylalcohol	3.265	45	148152	4.310	ppbv#	1
18) tert-butyl alcohol	3.840	59	4505	0.185	ppbv#	90
25) Methyl Ethyl Ketone	6.083	43	32945	0.807	ppbv#	85
27) Hexane	3.600	57	14171	0.380	ppbv	88
28) Chloroform	5.629	83	15790	0.355	ppbv	96
33) Benzene	6.432	78	9237	0.152	ppbv	99
34) Carbon Tetrachloride	5.781	117	11810	0.277	ppbv	97
35) Cyclohexane	5.449	56	5686	0.194	ppbv#	82
39) Trichloroethene	7.288	130	180788	6.513	ppbv	99
40) 2,2,4-trimethylpentane	6.316	57	19928	0.235	ppbv#	88
43) Heptane	6.542	43	18462	0.526	ppbv	90
48) Toluene	9.149	91	100347	1.369	ppbv	98
52) Tetrachloroethene	9.618	166	68667	1.971	ppbv	99
56) Ethylbenzene	11.028	91	62498	0.687	ppbv	99
57) m,p-Xylene	11.206	91	62315	0.895	ppbv	99
61) o-Xylene	11.707	91	21468	0.285	ppbv	96
66) 4-Ethyltoluene	12.729	105	40833	0.420	ppbv#	97
68) 1,2,4-Trimethylbenzene	13.320	105	38724	0.481	ppbv#	93
84) Trichlorofluoromethane(sim)	2.214	101	12911	0.253	ppbv	99
86) Carbon Tetrachloride(sim)	5.783	117	12002	0.288	ppbv	100
87) 1,1-Dichloroethene(sim)	2.663	61	1880	0.065	ppbv	98
92) Chloroform(sim)	5.625	83	16395	0.354	ppbv	97
97) Trichloroethene(sim)	7.288	130	180788	6.378	ppbv	98
103) Tetrachloroethene(sim)	9.618	166	68667	1.972	ppbv	99
107) m,p-Xylene(sim)	11.206	91	62315	0.846	ppbv	99

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_13.D
Acq On : 1 Jun 2020 1:08 pm
Operator : Keith
Sample : 03889
Misc :
ALS Vial : 143 Sample Multiplier: 1

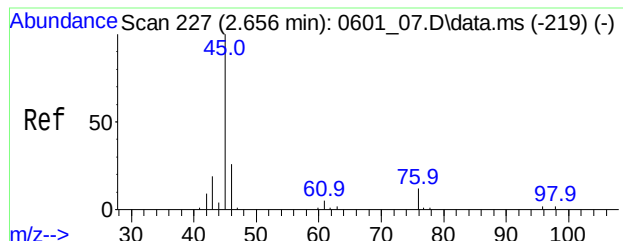
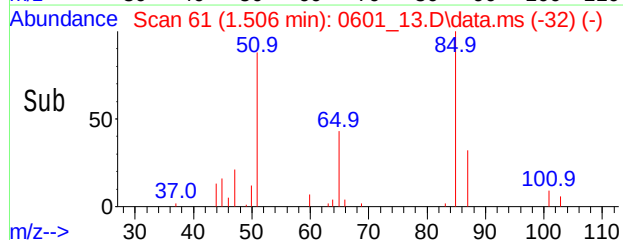
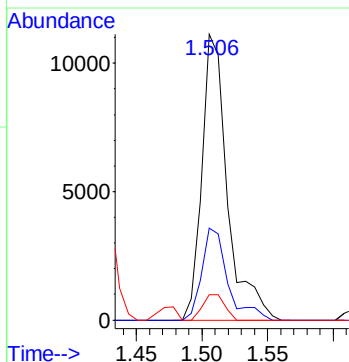
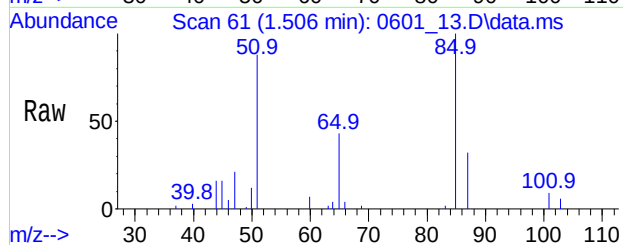
Quant Time: Jun 01 15:17:21 2020
Quant Title :
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





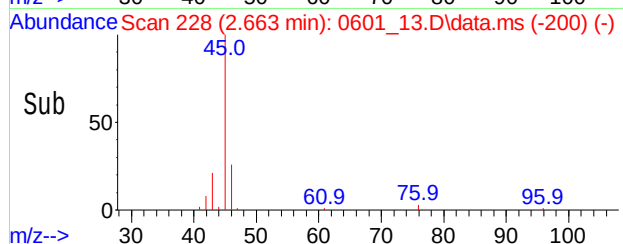
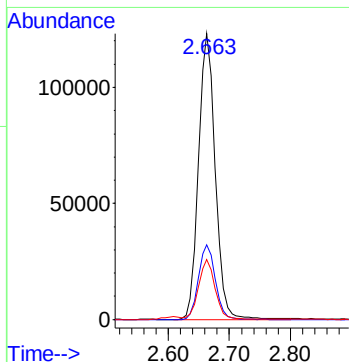
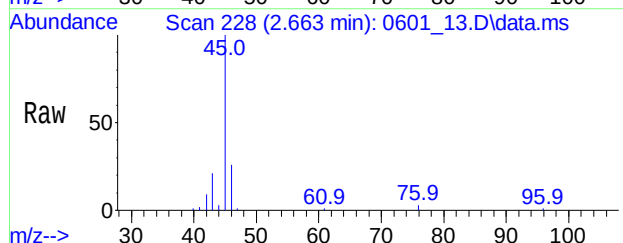
#3
Dichlorodifluoromethane
Conc: 8\$ 0.382 ppbv
RT: 1.506 min Scan# 61
Delta R.T. -0.000 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

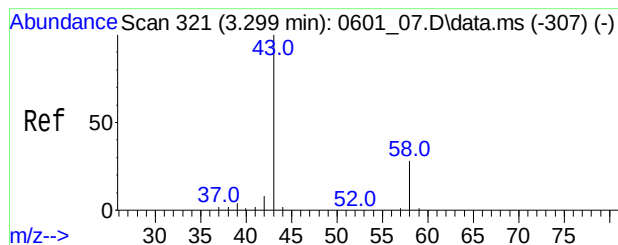
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	14893		
87	32.4	26.2	39.4	
101	7.7	6.2	9.4	



#10
Ethanol
Conc: 8\$ 37.609 ppbv
RT: 2.663 min Scan# 228
Delta R.T. 0.000 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

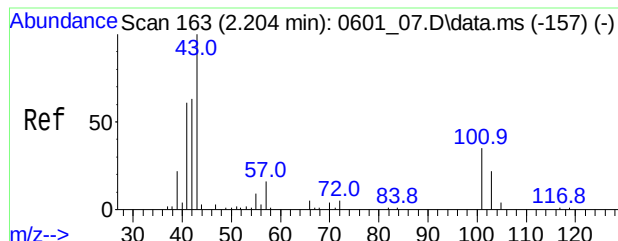
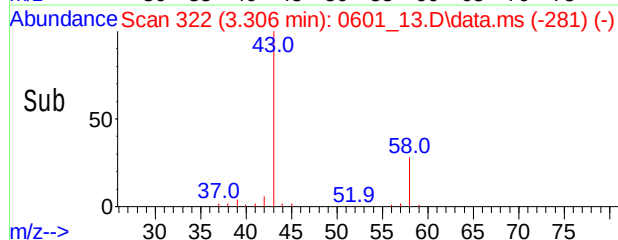
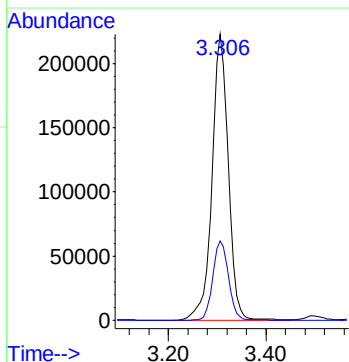
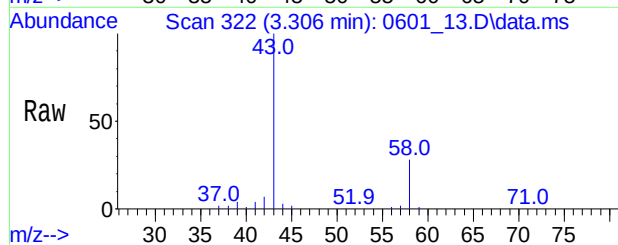
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	235407		
46	26.2	0.0	0.0#	
43	20.7	29.3	43.9#	





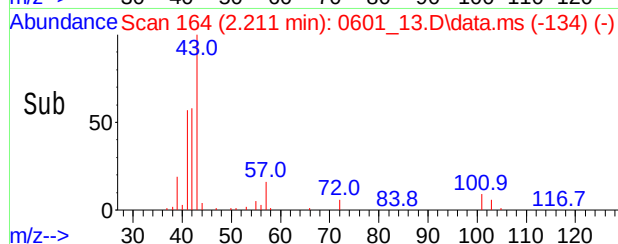
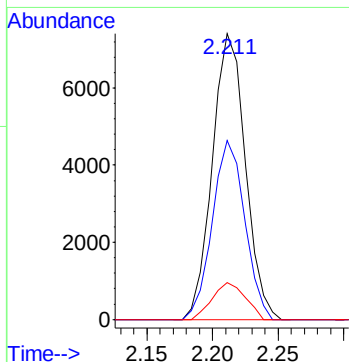
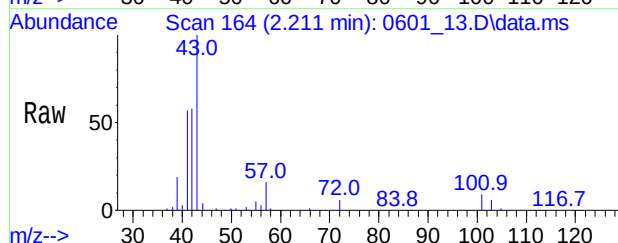
#12
Acetone
Conc: 8\$ 14.940 ppbv
RT: 3.306 min Scan# 322
Delta R.T. -0.021 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

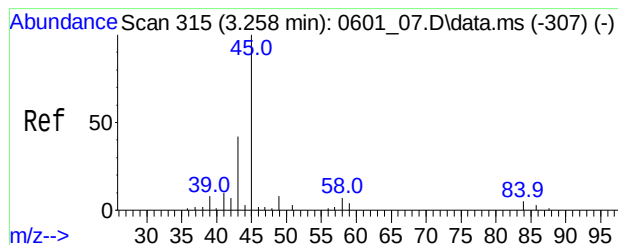
Tgt Ion: 43 Resp: 517251
Ion Ratio Lower Upper
43 100
58 26.7 13.8 20.6#



#13
Trichlorofluoromethane
Conc: 8\$ 0.277 ppbv
RT: 2.211 min Scan# 164
Delta R.T. 0.007 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

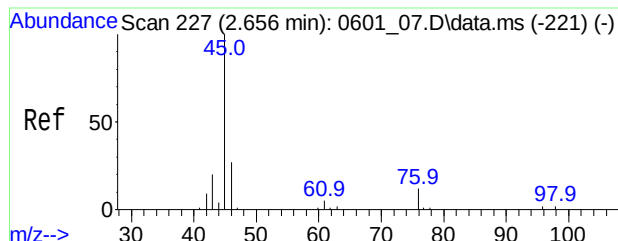
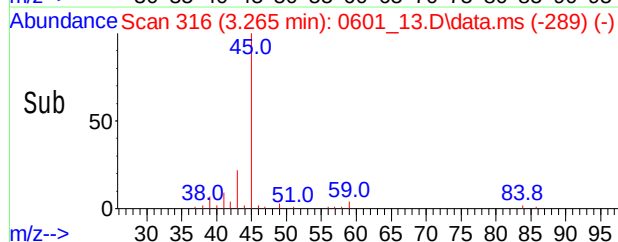
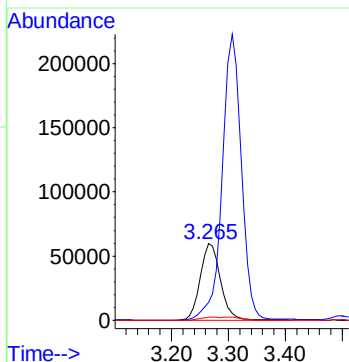
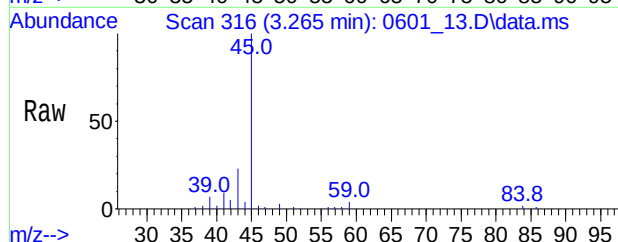
Tgt Ion: 101 Resp: 12805
Ion Ratio Lower Upper
101 100
103 61.6 55.4 83.2
66 12.9 11.4 17.0





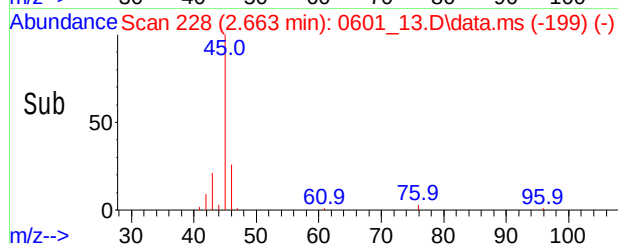
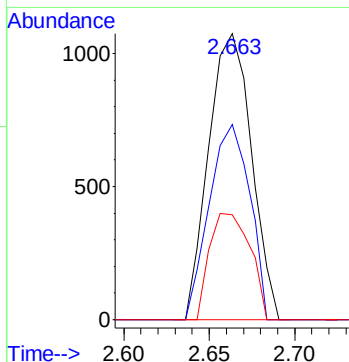
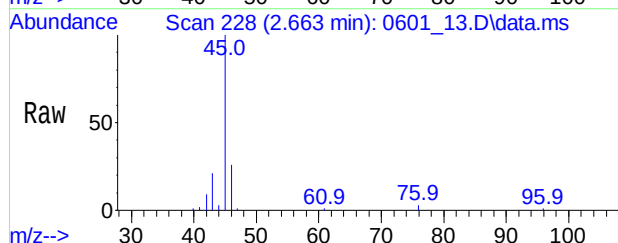
#14
Isopropylalcohol
Conc: 8\$ 4.310 ppbv
RT: 3.265 min Scan# 316
Delta R.T. -0.014 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

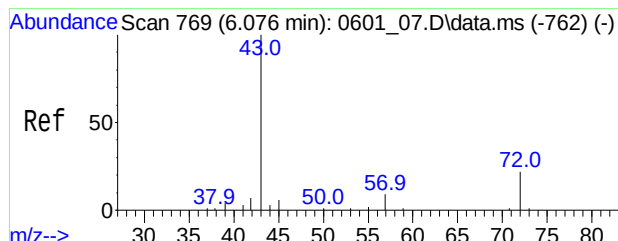
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	148152		
43	349.1	137.3	205.9#	
59	3.7	0.0	0.0#	



#16
1,1-Dichloroethene
Conc: 8\$ Below Cal
RT: 2.663 min Scan# 228
Delta R.T. 0.007 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

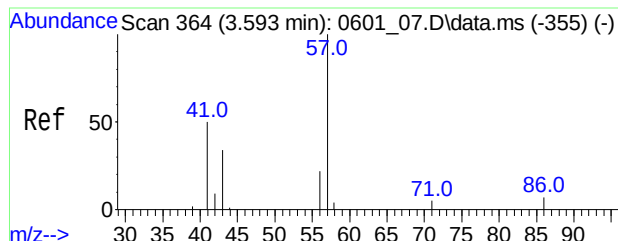
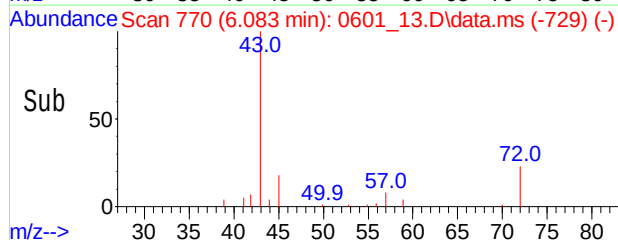
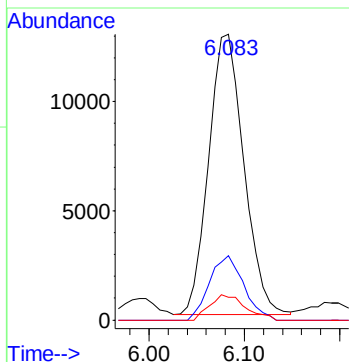
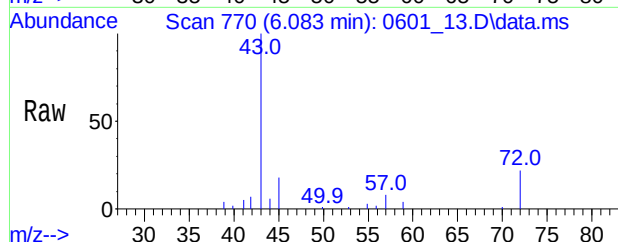
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	1880		
96	64.5	49.5	74.3	
98	35.2	28.1	42.1	





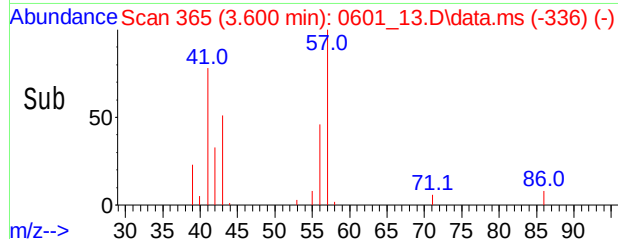
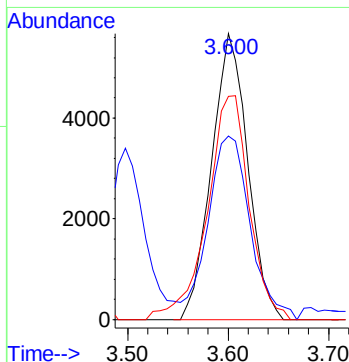
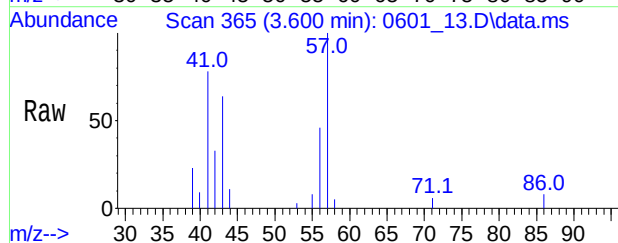
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.807 ppbv
RT: 6.083 min Scan# 770
Delta R.T. -0.007 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

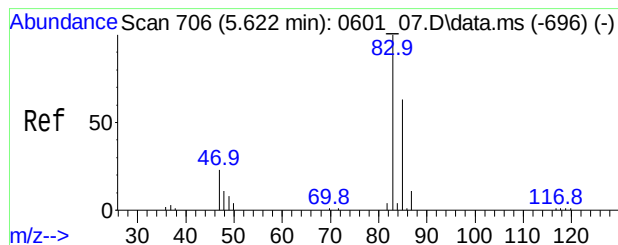
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	32945		
72	22.3	12.6	19.0#	
57	9.1	0.0	0.0#	



#27
Hexane
Conc: 8\$ 0.380 ppbv
RT: 3.600 min Scan# 365
Delta R.T. 0.000 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

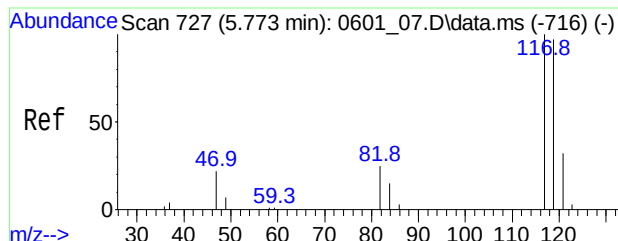
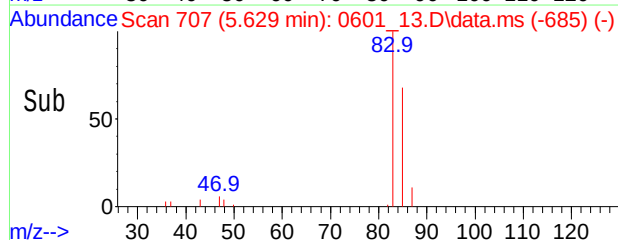
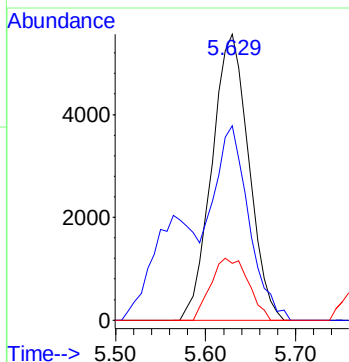
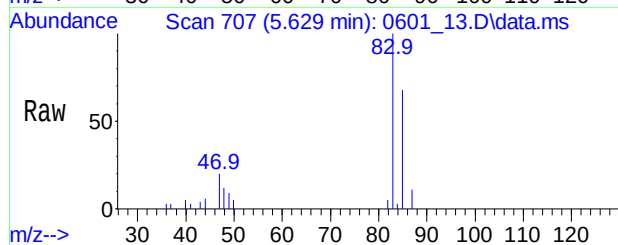
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	14171		
43	74.9	61.9	92.9	
41	90.7	88.6	132.8	





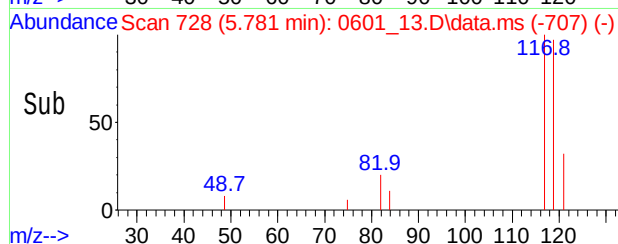
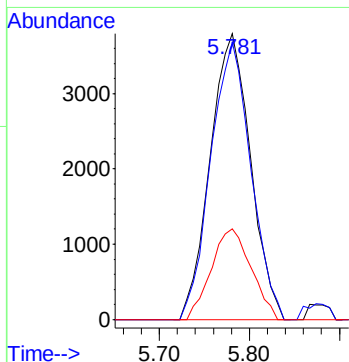
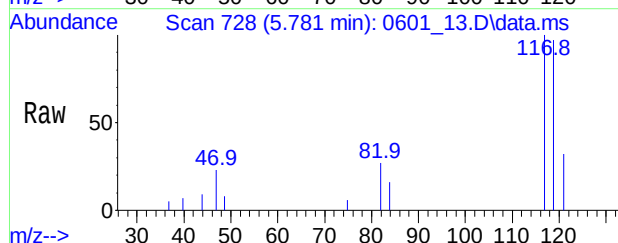
#28
Chloroform
Conc: 8\$ 0.355 ppbv
RT: 5.629 min Scan# 707
Delta R.T. 0.007 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

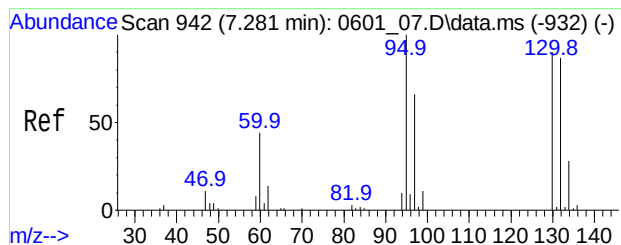
Tgt Ion: 83 Resp: 15790
Ion Ratio Lower Upper
83 100
85 66.1 42.5 82.5
47 22.0 1.5 41.5



#34
Carbon Tetrachloride
Conc: 8\$ 0.277 ppbv
RT: 5.781 min Scan# 728
Delta R.T. 0.001 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

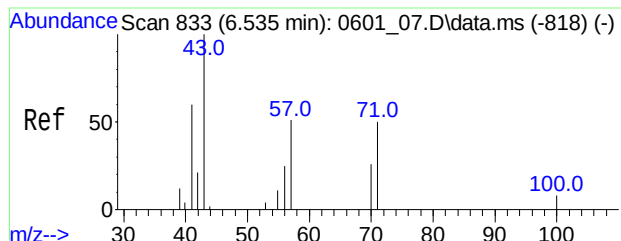
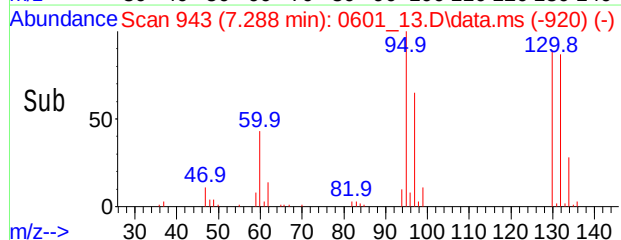
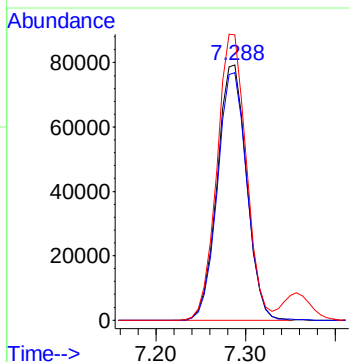
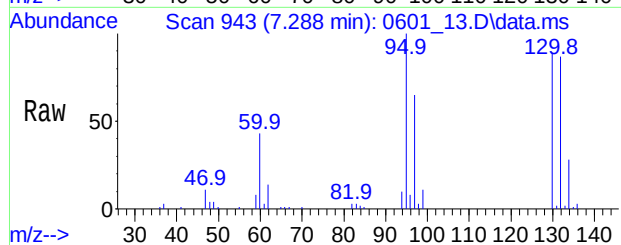
Tgt Ion: 117 Resp: 11810
Ion Ratio Lower Upper
117 100
119 96.3 75.0 115.0
121 31.3 6.8 46.8





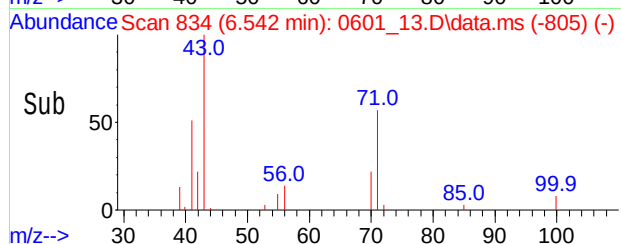
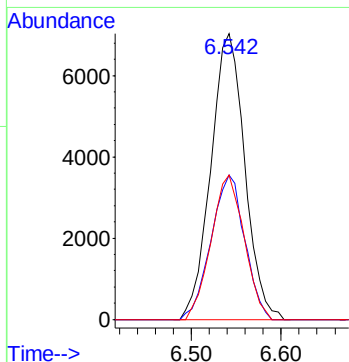
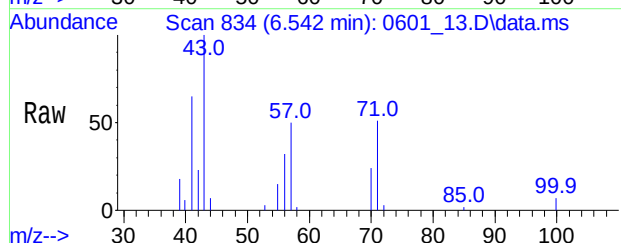
#39
Trichloroethene
Conc: 8\$ 6.513 ppbv
RT: 7.288 min Scan# 943
Delta R.T. 0.007 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

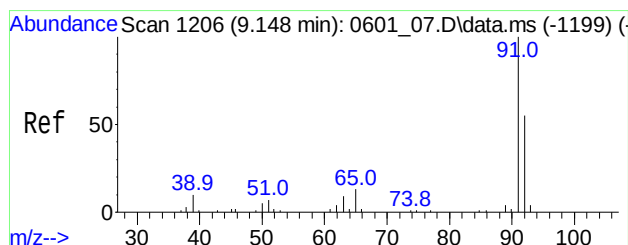
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	180788		
132	96.7	76.6	114.8	
95	111.6	89.6	134.4	



#43
Heptane
Conc: 8\$ 0.526 ppbv
RT: 6.542 min Scan# 834
Delta R.T. -0.000 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

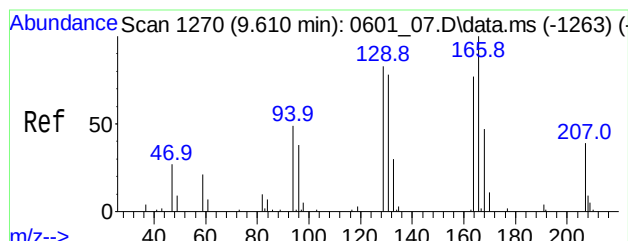
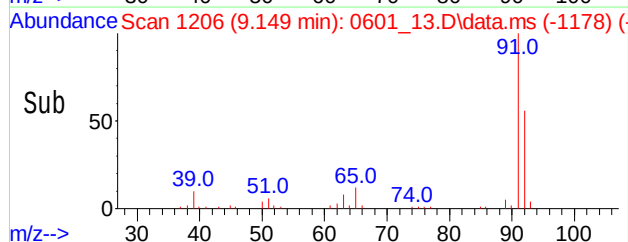
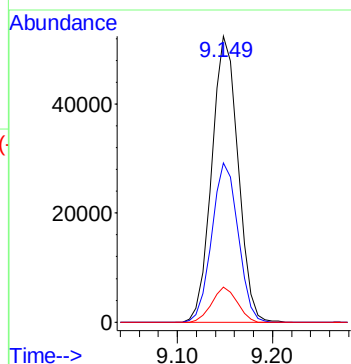
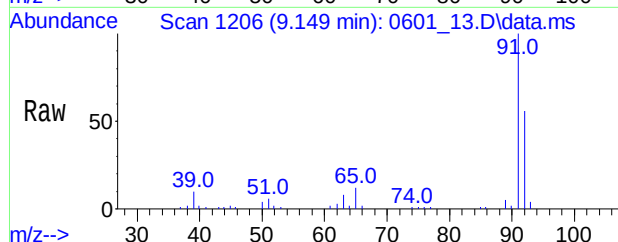
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	18462		
57	50.1	35.9	53.9	
71	49.1	33.4	50.0	





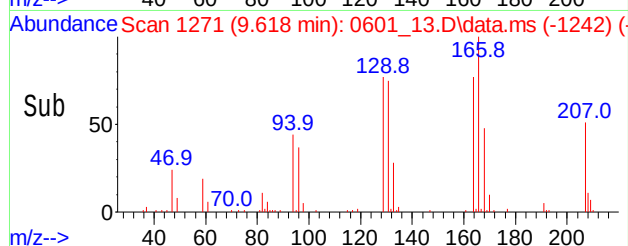
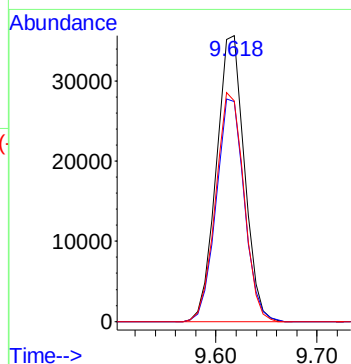
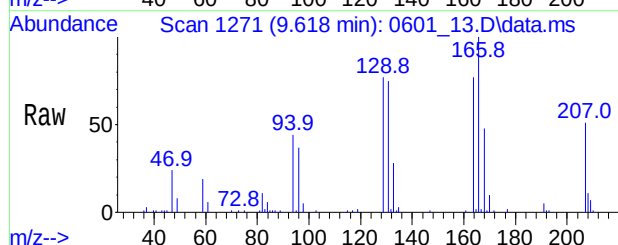
#48
Toluene
Conc: 8\$ 1.369 ppbv
RT: 9.149 min Scan# 1206
Delta R.T. 0.001 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

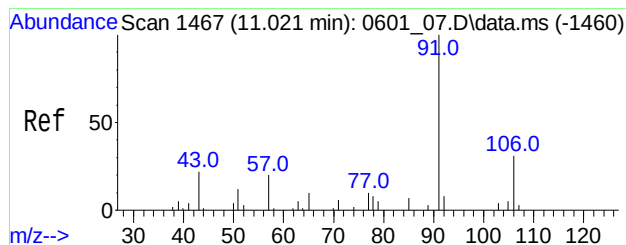
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	100347		
92	55.7	43.4	65.0	
65	11.8	8.2	12.4	



#52
Tetrachloroethene
Conc: 8\$ 1.971 ppbv
RT: 9.618 min Scan# 1271
Delta R.T. 0.008 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

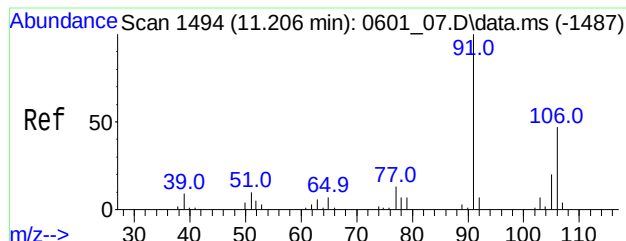
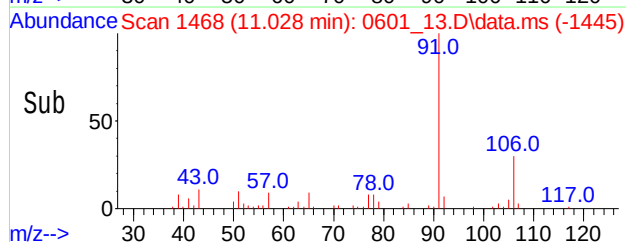
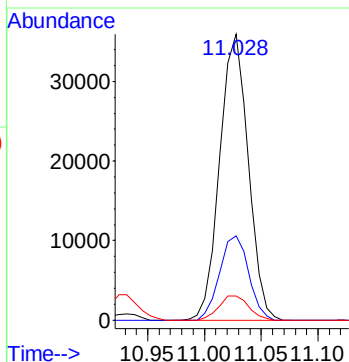
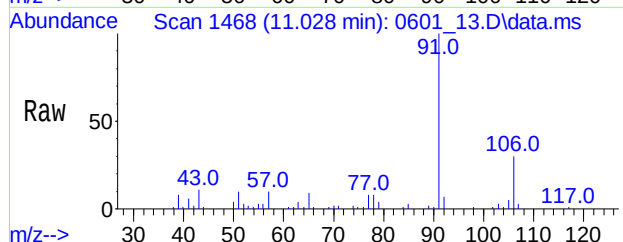
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	68667		
164	78.1	61.0	91.6	
129	80.3	63.7	95.5	





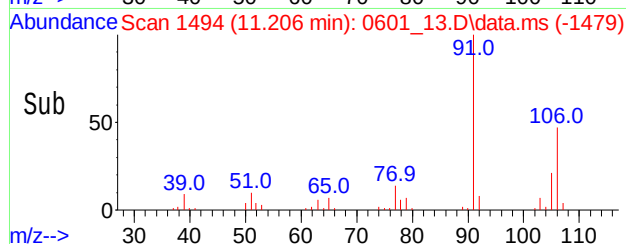
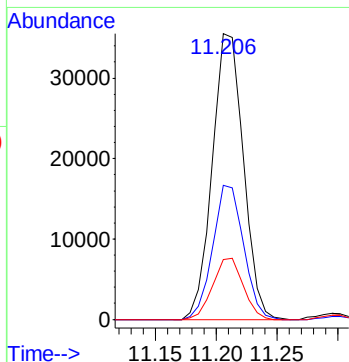
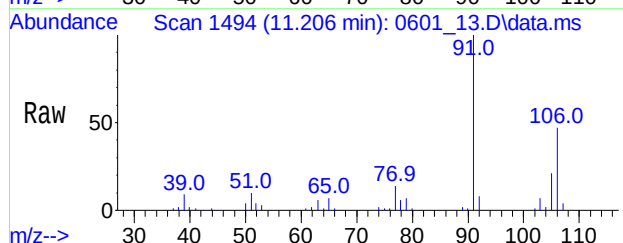
#56
Ethylbenzene
Conc: 8\$ 0.687 ppbv
RT: 11.028 min Scan# 1468
Delta R.T. 0.007 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

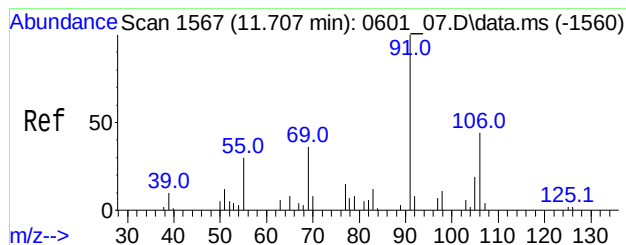
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	62498		
106	30.0	9.2	49.2	
77	8.9	0.0	29.2	



#57
m,p-Xylene
Conc: 8\$ 0.895 ppbv
RT: 11.206 min Scan# 1494
Delta R.T. 0.000 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

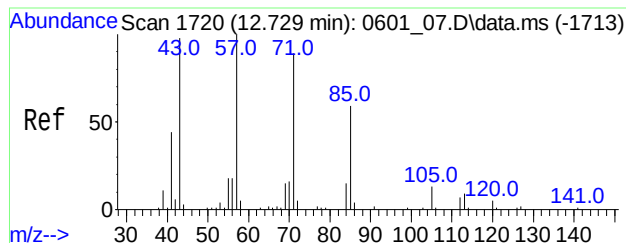
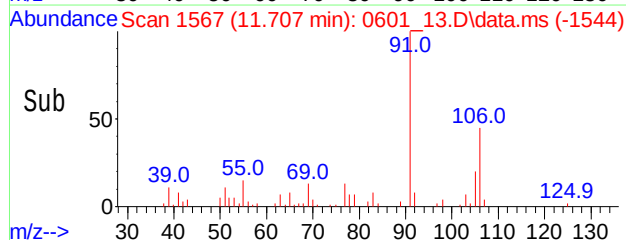
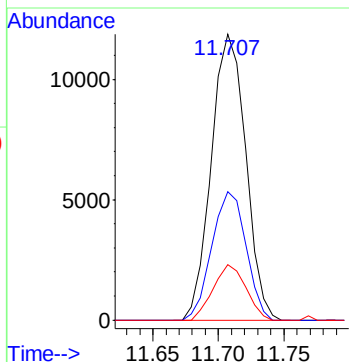
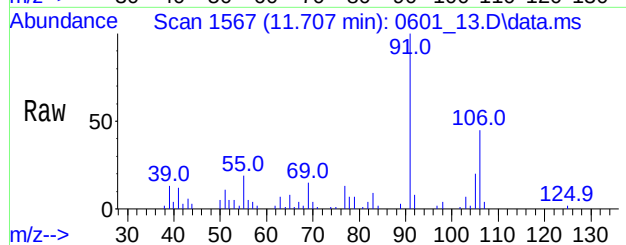
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	62315		
106	46.5	36.7	55.1	
105	21.0	16.9	25.3	





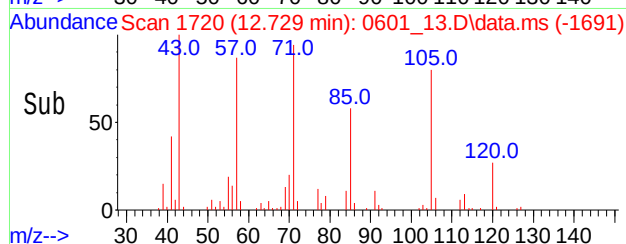
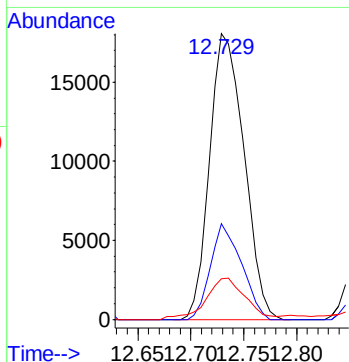
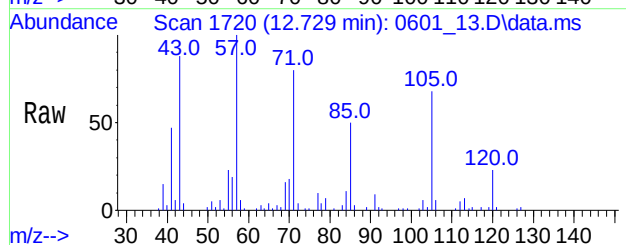
#61
o-Xylene
Conc: 8\$ 0.285 ppbv
RT: 11.707 min Scan# 1567
Delta R.T. 0.007 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

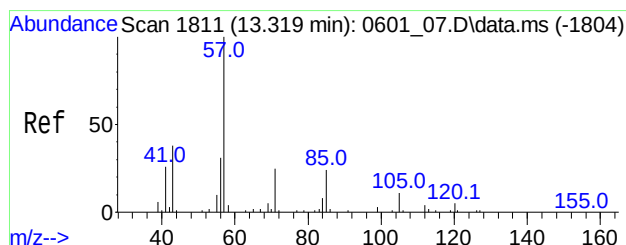
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	21468		
106	44.6	33.0	49.6	
105	18.5	14.6	22.0	



#66
4-Ethyltoluene
Conc: 8\$ 0.420 ppbv
RT: 12.729 min Scan# 1720
Delta R.T. -0.013 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

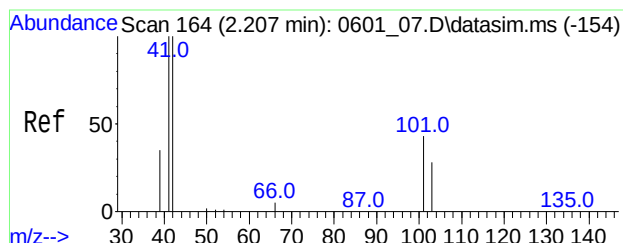
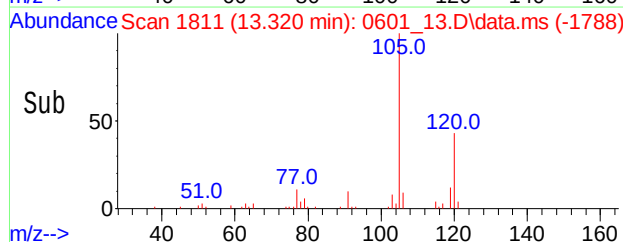
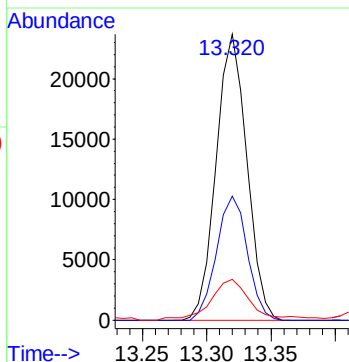
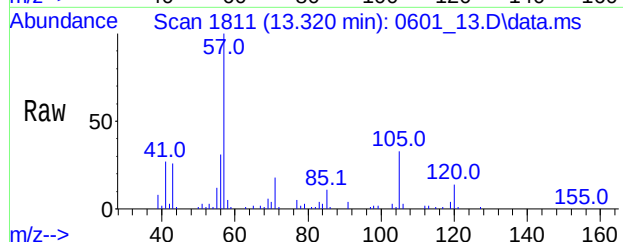
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	40833		
120	30.1	24.1	36.1	
77	16.5	10.5	15.7#	





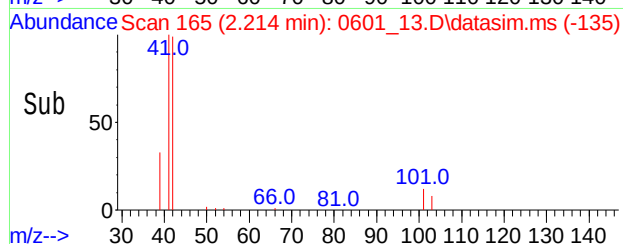
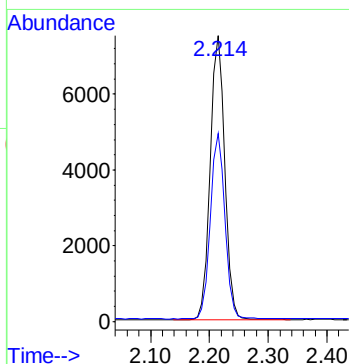
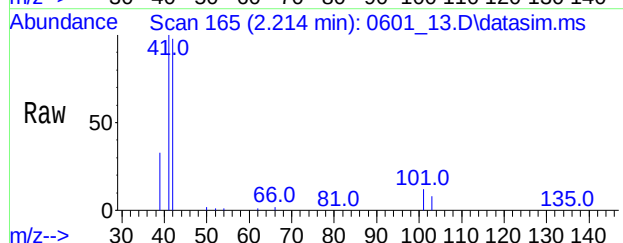
#68
1,2,4-Trimethylbenzene
Conc: 8\$ 0.481 ppbv
RT: 13.320 min Scan# 1811
Delta R.T. -0.000 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

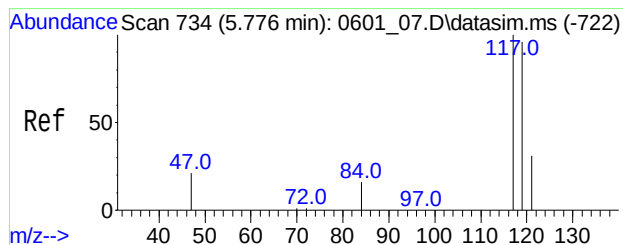
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	38724		
120	43.6	32.6	48.8	
77	18.7	11.1	16.7#	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.253 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

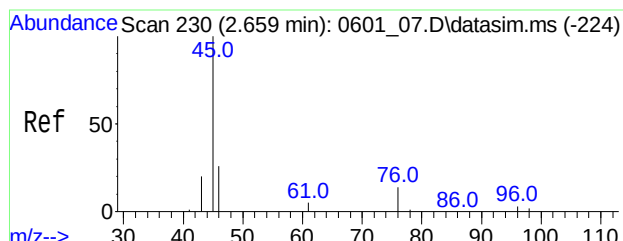
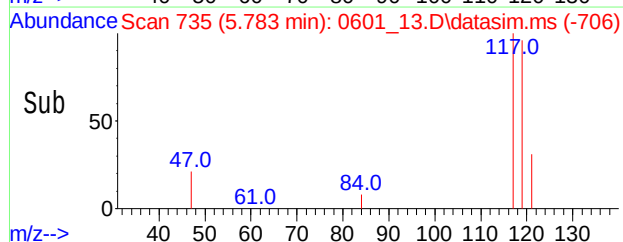
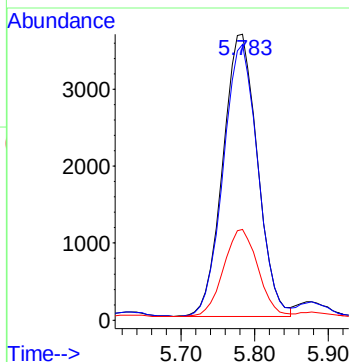
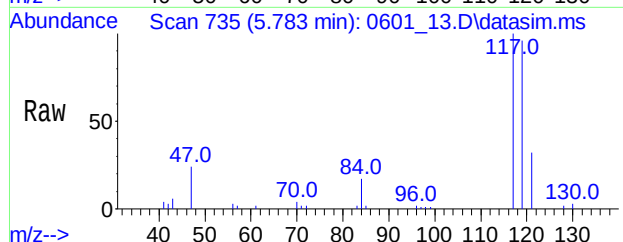
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	12911		
103	65.4	52.7	79.1	





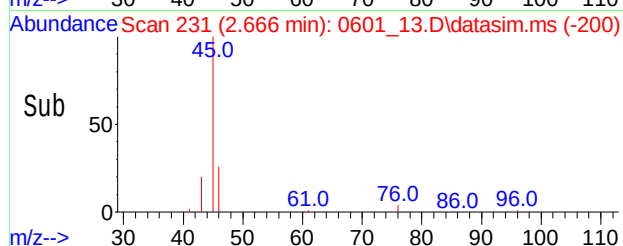
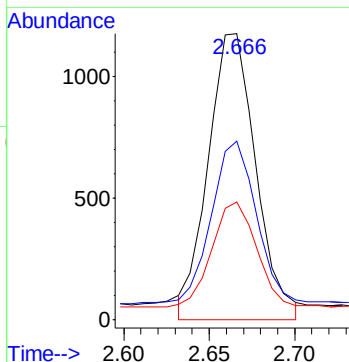
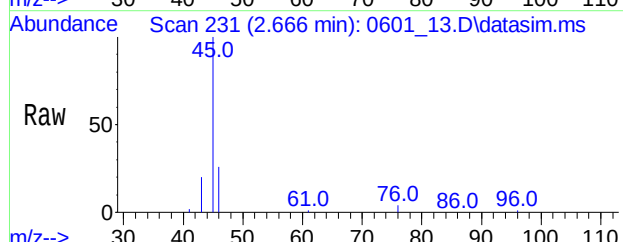
#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.288 ppbv
RT: 5.783 min Scan# 735
Delta R.T. 0.007 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

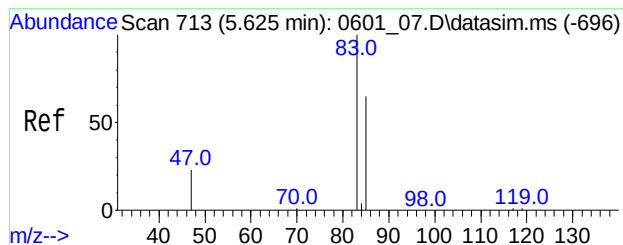
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	12002		
119	96.0	76.6	115.0	
121	30.8	24.6	36.8	



#87
1,1-Dichloroethene(sim)
Conc: 8\$ 0.065 ppbv
RT: 2.663 min Scan# 231
Delta R.T. 0.007 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

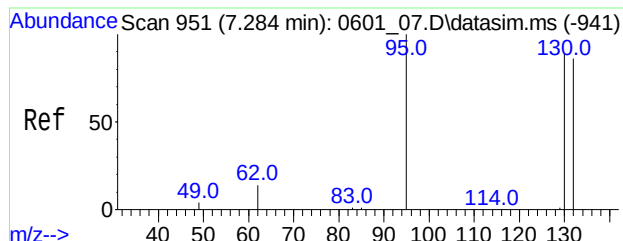
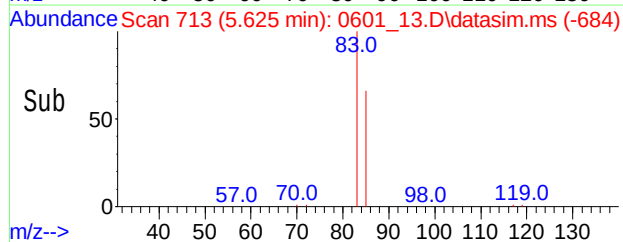
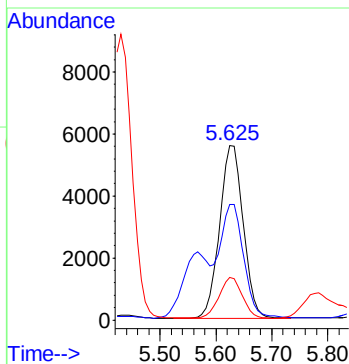
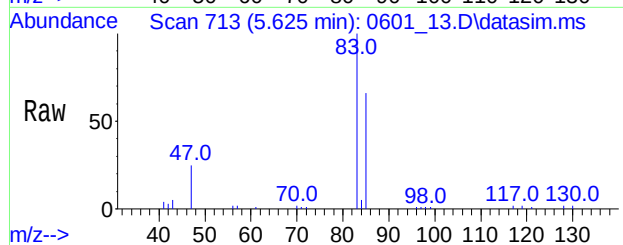
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	1880		
96	64.5	49.5	74.3	
98	35.2	28.1	42.1	





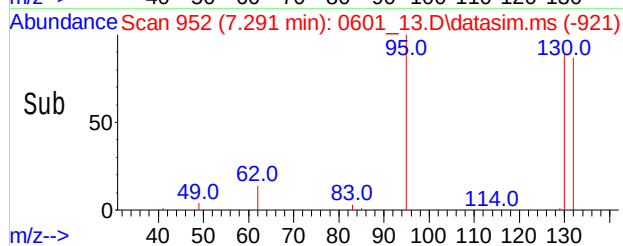
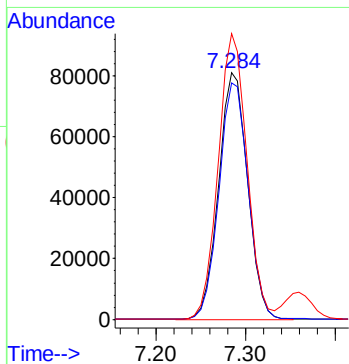
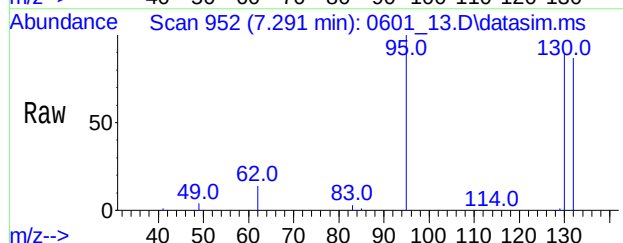
#92
Chloroform(sim)
Conc: 8\$ 0.354 ppbv
RT: 5.625 min Scan# 713
Delta R.T. 0.007 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

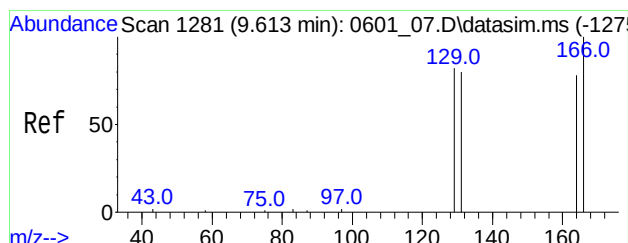
Tgt Ion: 83 Resp: 16395
Ion Ratio Lower Upper
83 100
85 68.7 52.6 78.8
47 23.0 19.3 28.9



#97
Trichloroethene(sim)
Conc: 8\$ 6.378 ppbv
RT: 7.288 min Scan# 952
Delta R.T. 0.007 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

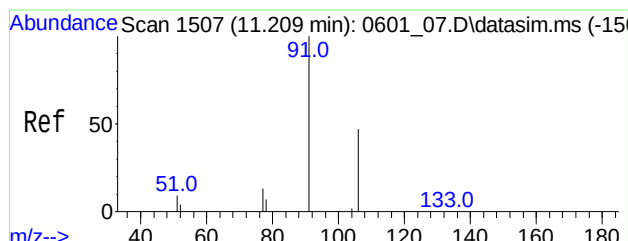
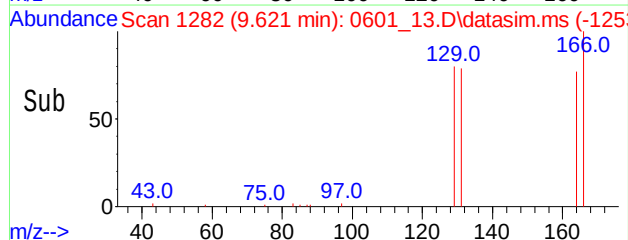
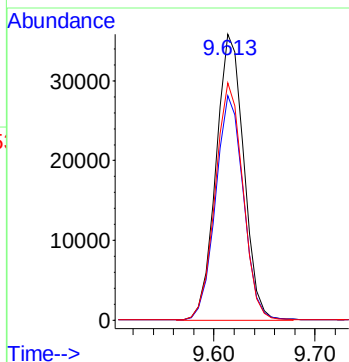
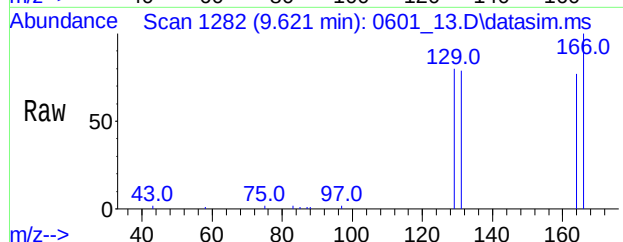
Tgt Ion: 130 Resp: 180788
Ion Ratio Lower Upper
130 100
132 96.7 74.3 111.5
95 111.6 89.6 134.4





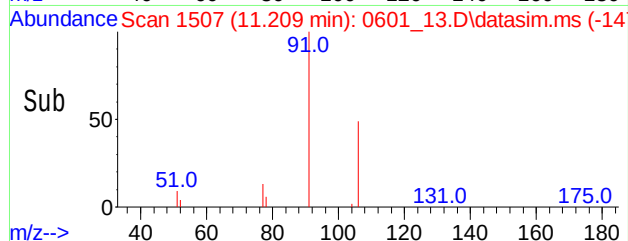
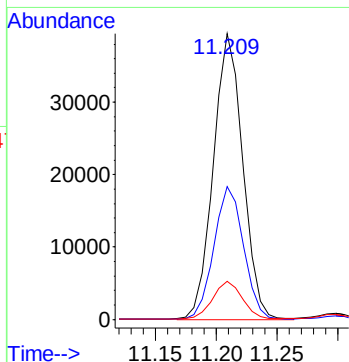
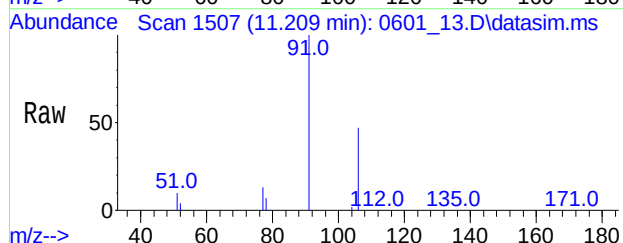
#103
Tetrachloroethene(sim)
Conc: 8\$ 1.972 ppbv
RT: 9.618 min Scan# 1282
Delta R.T. 0.008 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	68667		
164	77.8	56.3	96.3	
129	80.3	59.6	99.6	



#107
m,p-Xylene(sim)
Conc: 8\$ 0.846 ppbv
RT: 11.206 min Scan# 1507
Delta R.T. 0.000 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 1:08 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	62315		
106	46.5	41.3	50.5	
77	13.4	11.6	17.4	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03890</u>
Canister:	<u>21356</u>	Lab File ID:	<u>0601_14.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>06/01/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.411		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	13.6	S	0.531	0.531	r
67-64-1	Acetone	2.38	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.299		0.178	0.178	r
67-63-0	Isopropylalcohol	1.18	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	0.257		0.051	0.051	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
79-01-6	Trichloroethene	3.16		0.037	0.037	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.417		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03890</u>
Canister:	<u>21356</u>	Lab File ID:	<u>0601_14.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>06/01/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.083		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.129		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.286		0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Quantitation Report (No Status)

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_14.D
 Acq On : 1 Jun 2020 1:45 pm
 Operator : Keith
 Sample : 03890
 Misc :
 ALS Vial : 144 Sample Multiplier: 1

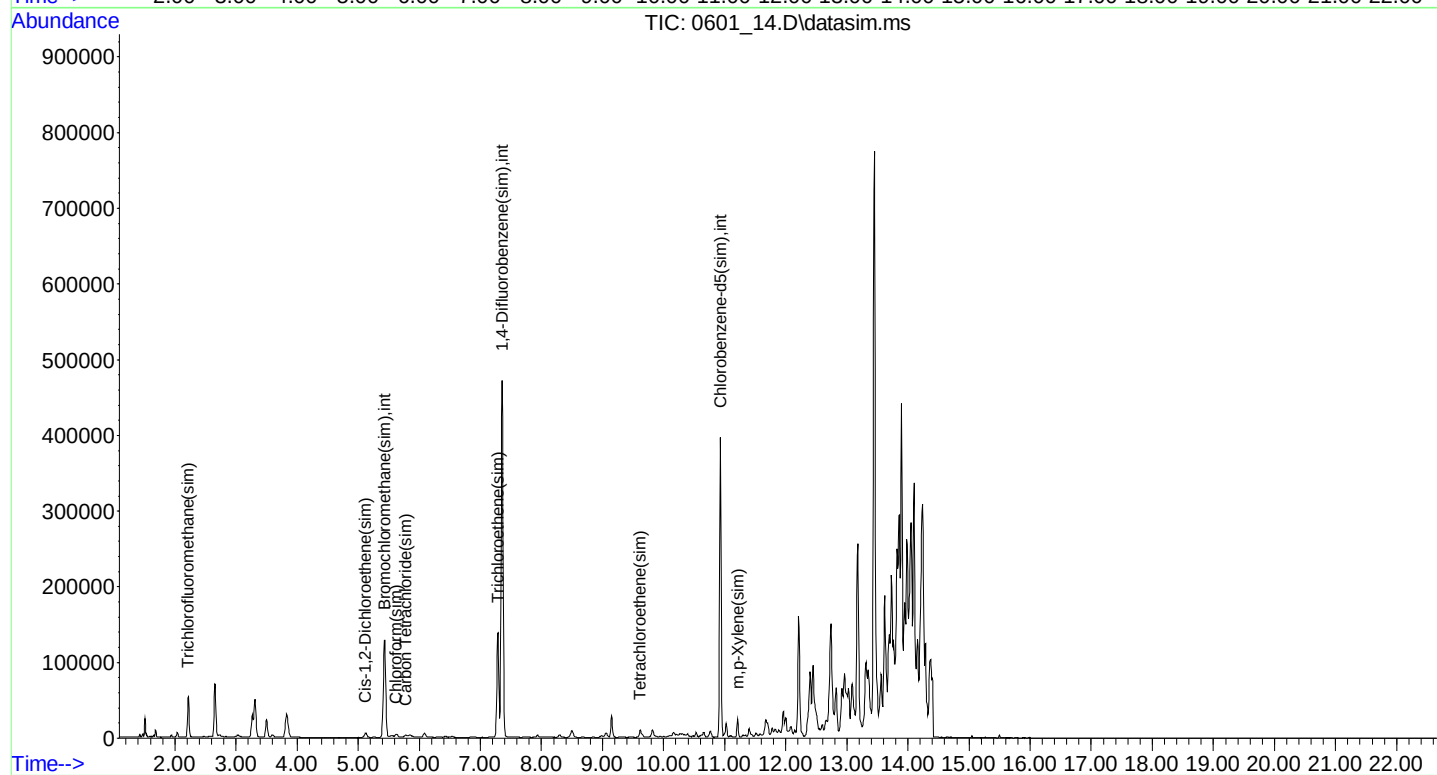
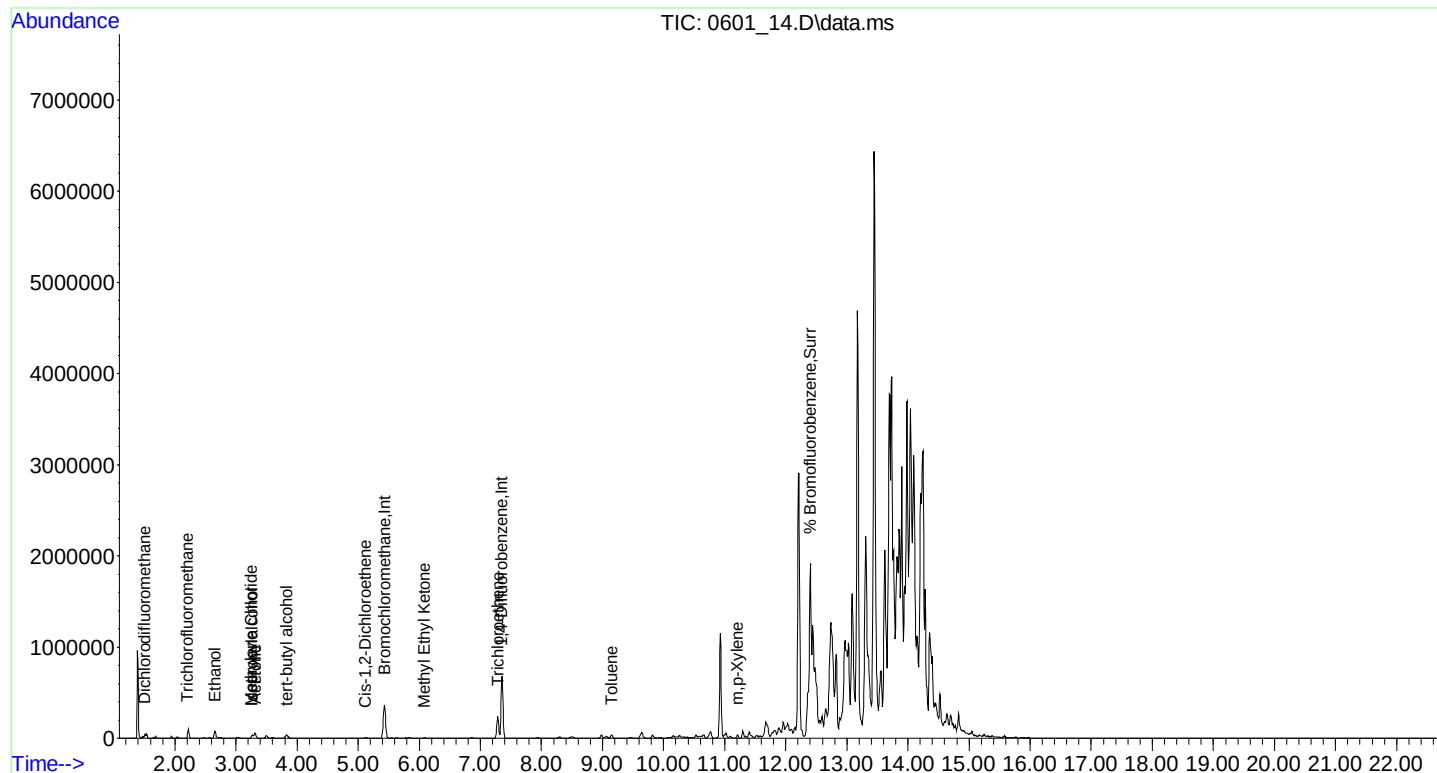
Quant Time: Jun 01 15:17:56 2020
 Quant Title :
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

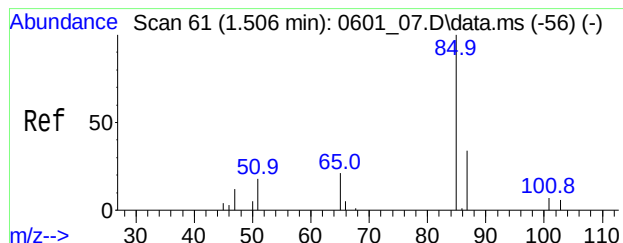
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.432	130	188320	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.354	114	672986	10.000	ng	0.00
53) Chlorobenzene-d5	10.929	82	355241	10.000	ng	0.00
80) Bromochloromethane(sim)	5.435	130	185339	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.357	114	723574	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.932	82	376976	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.402	95	472389	9.809	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.10%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	1.506	85	16453	0.411	ppbv	99
10) Ethanol	2.656	45	87375	13.591	ppbv#	75
12) Acetone	3.313	43	84633	2.380	ppbv#	82
13) Trichlorofluoromethane	2.211	101	14221	0.299	ppbv	96
14) Isopropylalcohol	3.265	45	41589	1.178	ppbv	77
17) Methylene Chloride	3.258	49	3774	0.161	ppbv	99
18) tert-butyl alcohol	3.826	59	56107	2.243	ppbv#	51
25) Methyl Ethyl Ketone	6.088	43	9964	0.238	ppbv#	87
26) Cis-1,2-Dichloroethene	5.122	61	7641	0.257	ppbv	97
39) Trichloroethene	7.285	130	90167	3.156	ppbv	98
48) Toluene	9.153	91	31441	0.417	ppbv	99
57) m,p-Xylene	11.210	91	21585	0.305	ppbv	98
84) Trichlorofluoromethane...	2.214	101	14533	0.277	ppbv	98
86) Carbon Tetrachloride(sim)	5.781	117	3546	0.083	ppbv	99
91) Cis-1,2-Dichloroethene...	5.122	61	7641	0.252	ppbv	97
92) Chloroform(sim)	5.622	83	5971	0.125	ppbv	94
97) Trichloroethene(sim)	7.285	130	90048	3.086	ppbv	97
103) Tetrachloroethene(sim)	9.615	166	4633	0.129	ppbv	95
107) m,p-Xylene(sim)	11.210	91	21585	0.286	ppbv	98

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_14.D
Acq On : 1 Jun 2020 1:45 pm
Operator : Keith
Sample : 03890
Misc :
ALS Vial : 144 Sample Multiplier: 1

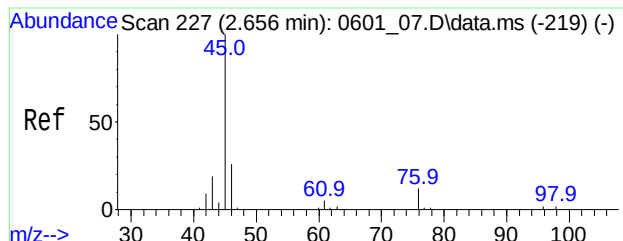
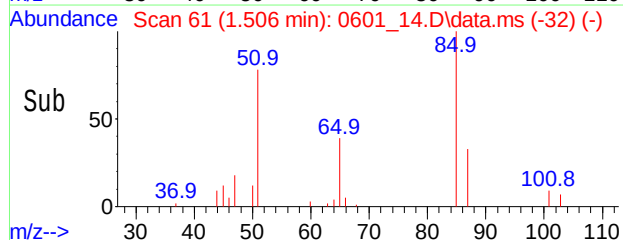
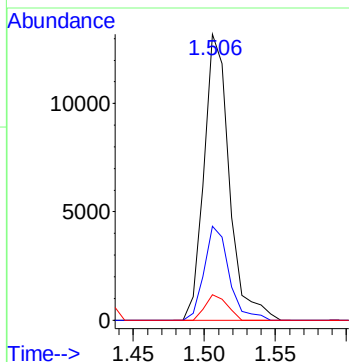
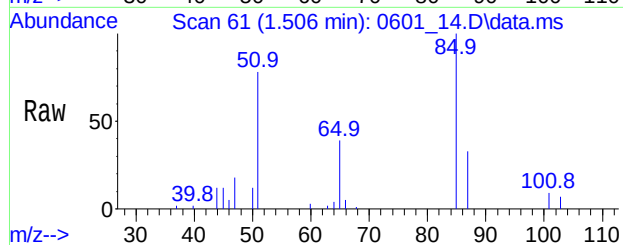
Quant Time: Jun 01 15:17:56 2020
Quant Title :
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





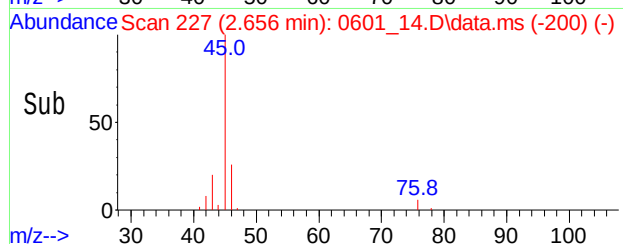
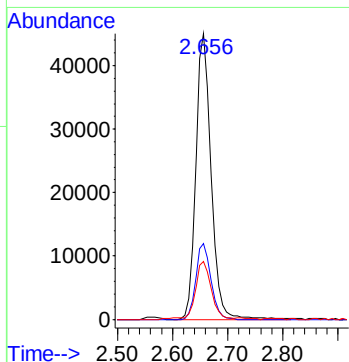
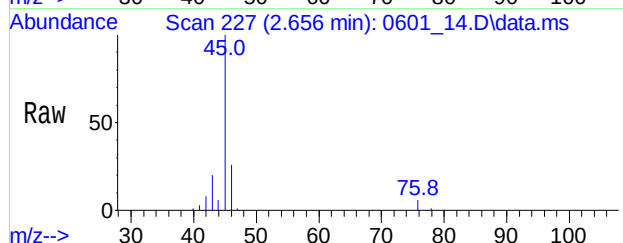
#3
Dichlorodifluoromethane
Conc: 8\$ 0.411 ppbv
RT: 1.506 min Scan# 61
Delta R.T. -0.000 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

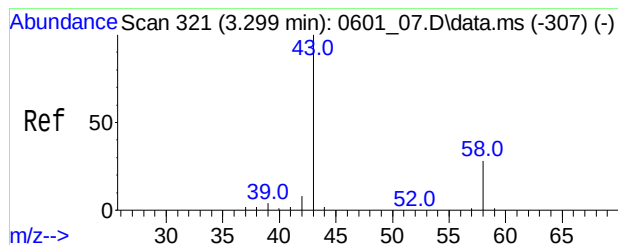
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	16453		
87	32.3	26.2	39.4	
101	7.7	6.2	9.4	



#10
Ethanol
Conc: 8\$ 13.591 ppbv
RT: 2.656 min Scan# 227
Delta R.T. -0.007 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

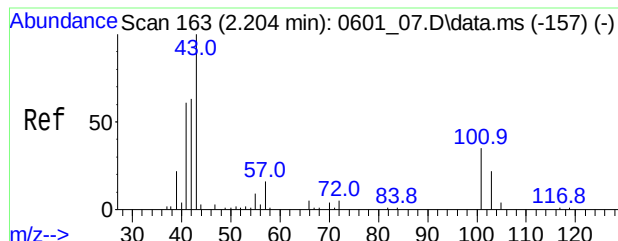
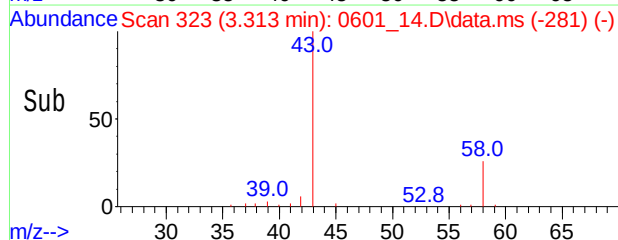
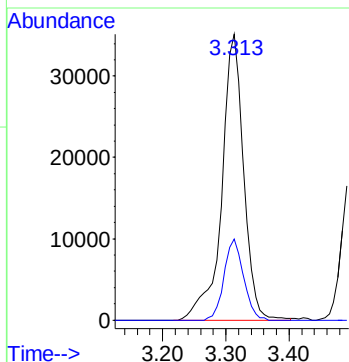
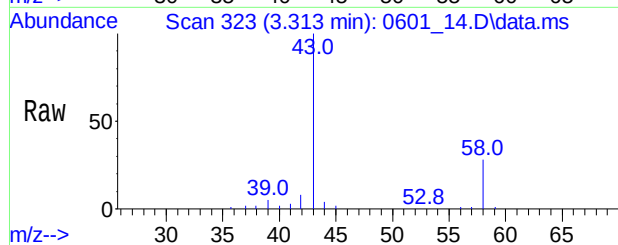
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	87375		
46	26.2	0.0	0.0#	
43	21.8	29.3	43.9#	





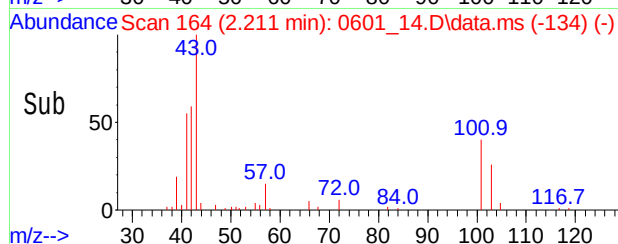
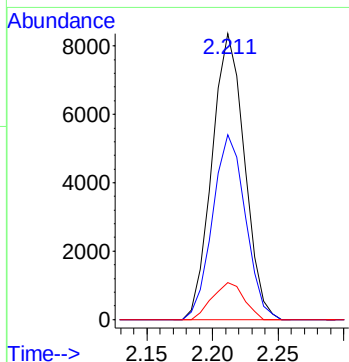
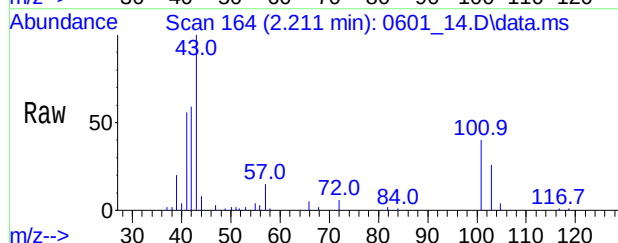
#12
Acetone
Conc: 8\$ 2.380 ppbv
RT: 3.313 min Scan# 323
Delta R.T. -0.014 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

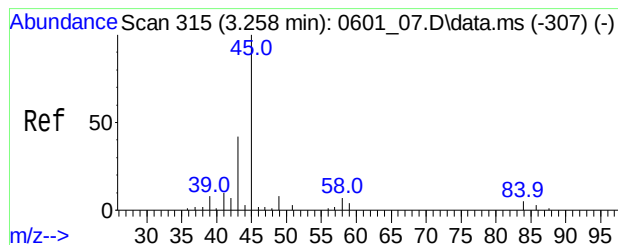
Tgt Ion: 43 Resp: 84633
Ion Ratio Lower Upper
43 100
58 25.1 13.8 20.6#



#13
Trichlorofluoromethane
Conc: 8\$ 0.299 ppbv
RT: 2.211 min Scan# 164
Delta R.T. 0.007 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

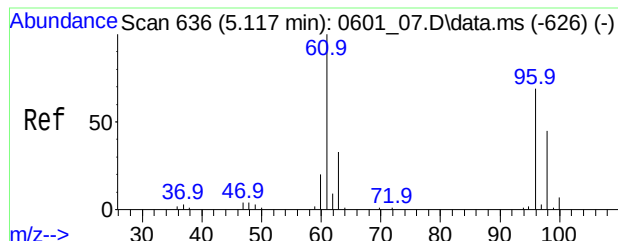
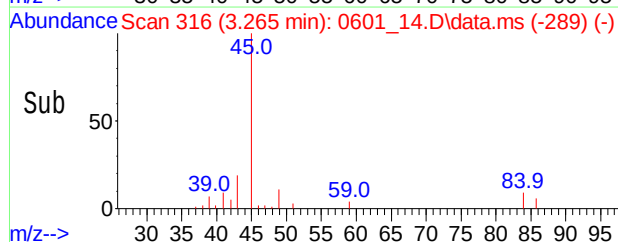
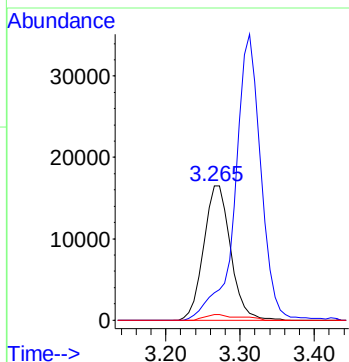
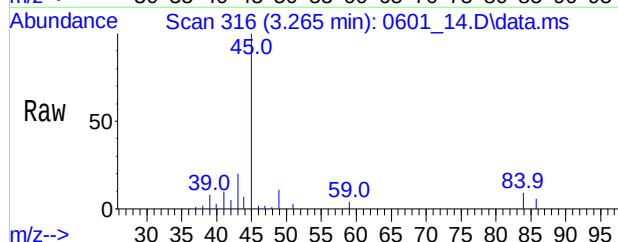
Tgt Ion: 101 Resp: 14221
Ion Ratio Lower Upper
101 100
103 65.6 55.4 83.2
66 12.6 11.4 17.0





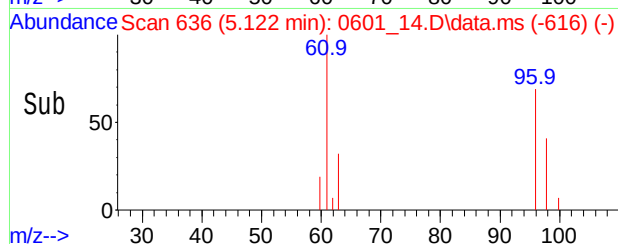
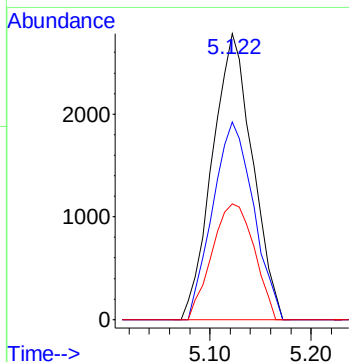
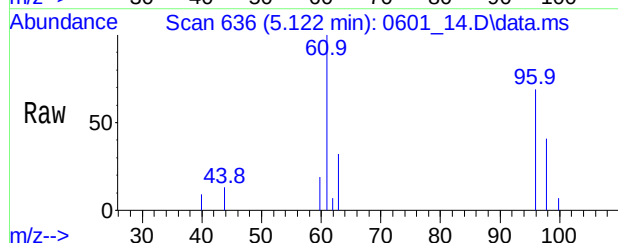
#14
Isopropylalcohol
Conc: 8\$ 1.178 ppbv
RT: 3.265 min Scan# 316
Delta R.T. -0.014 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

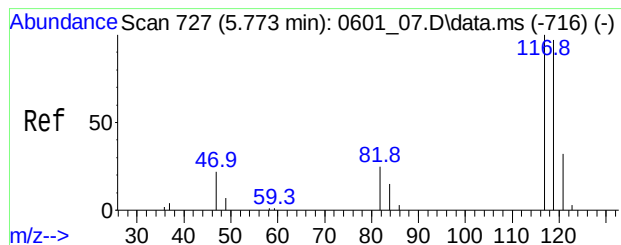
Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
43	203.5	137.3	205.9	
59	4.1	0.0	0.0#	



#26
Cis-1,2-Dichloroethene
Conc: 8\$ 0.257 ppbv
RT: 5.122 min Scan# 636
Delta R.T. -0.003 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

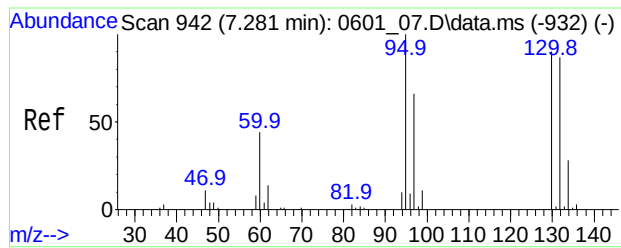
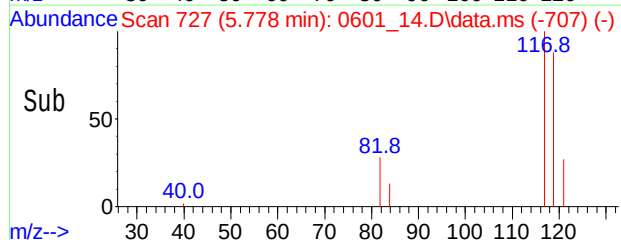
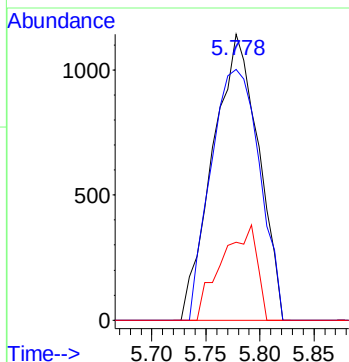
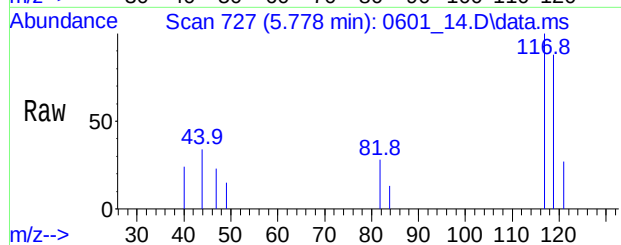
Tgt Ion	Ratio	Resp	Lower	Upper
61	100			
96	70.3	58.4	87.6	
98	42.6	33.0	49.4	





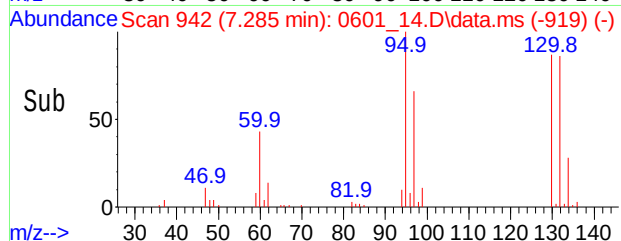
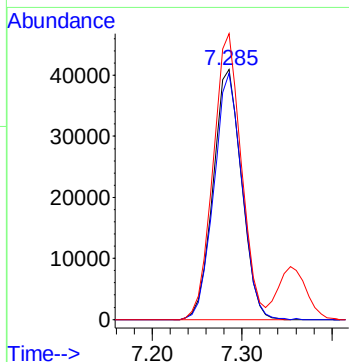
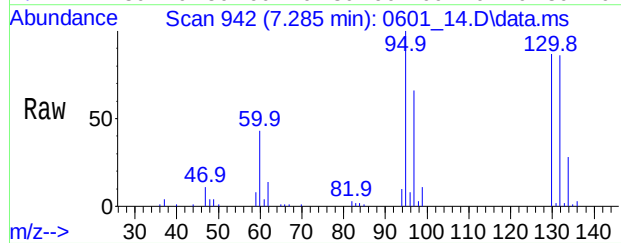
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.778 min Scan# 727
Delta R.T. -0.002 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

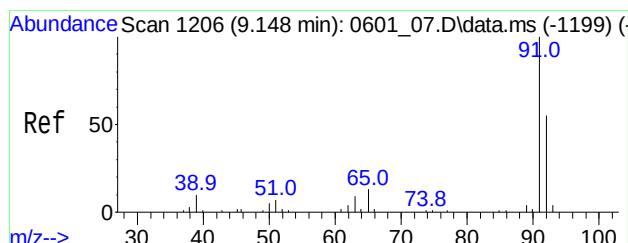
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3359		
119	93.8	75.0	115.0	
121	25.9	6.8	46.8	



#39
Trichloroethene
Conc: 8\$ 3.156 ppbv
RT: 7.285 min Scan# 942
Delta R.T. 0.004 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

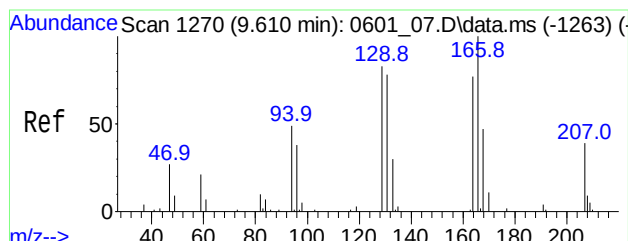
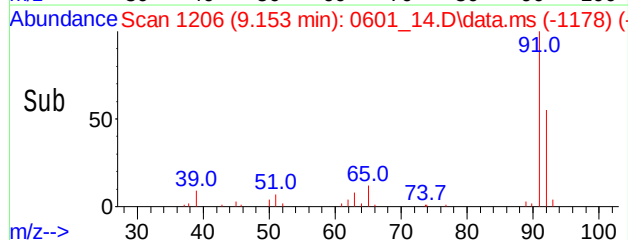
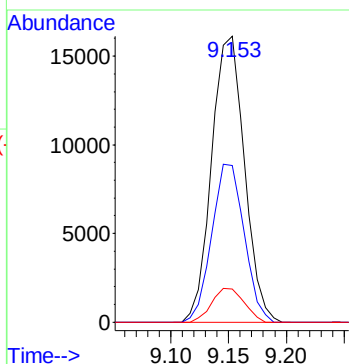
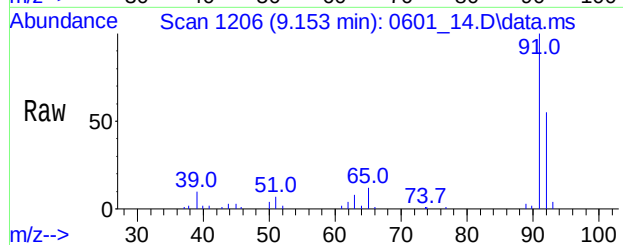
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	90167		
132	97.1	76.6	114.8	
95	114.0	89.6	134.4	





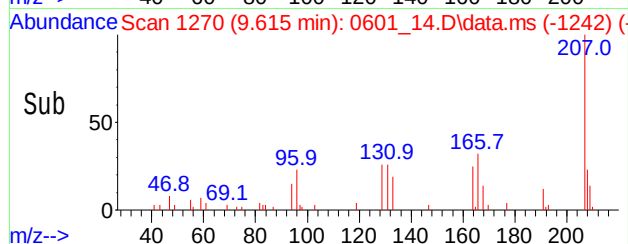
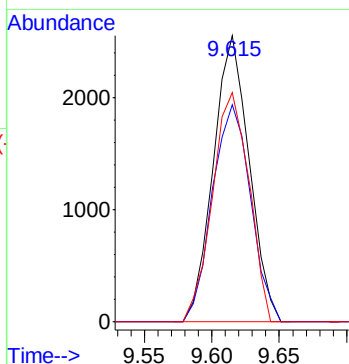
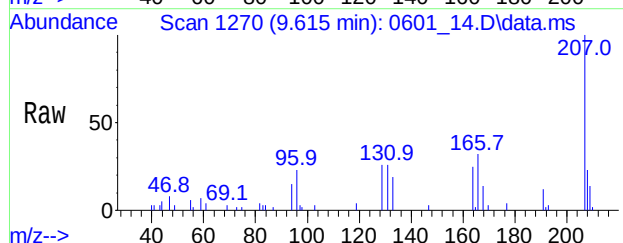
#48
Toluene
Conc: 8\$ 0.417 ppbv
RT: 9.153 min Scan# 1206
Delta R.T. 0.005 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

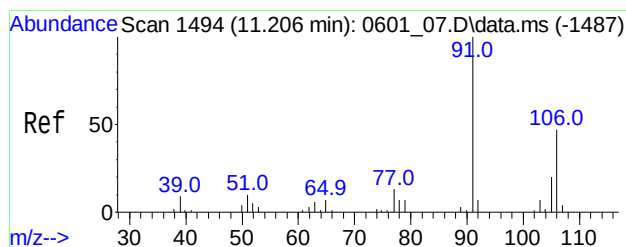
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	31441		
92	54.4	43.4	65.0	
65	11.6	8.2	12.4	



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 9.615 min Scan# 1270
Delta R.T. 0.005 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

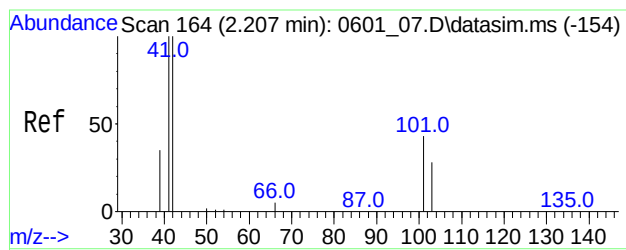
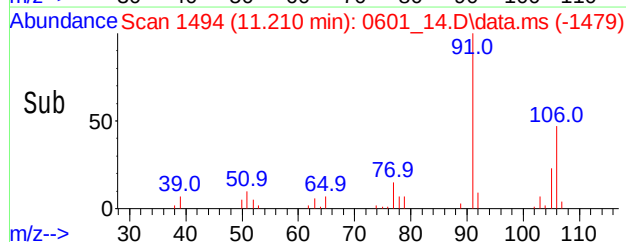
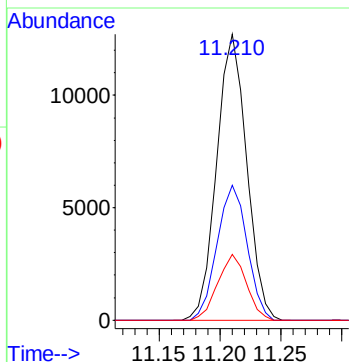
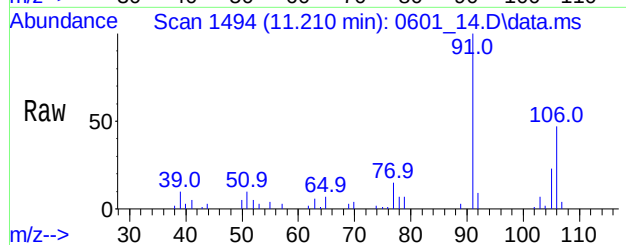
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	4717		
164	80.8	61.0	91.6	
129	81.6	63.7	95.5	





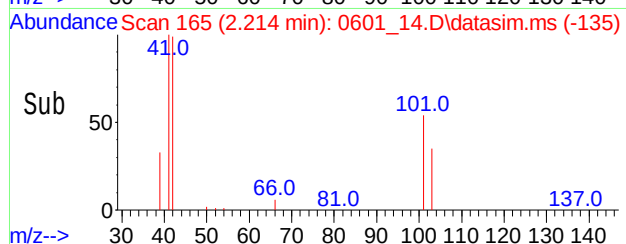
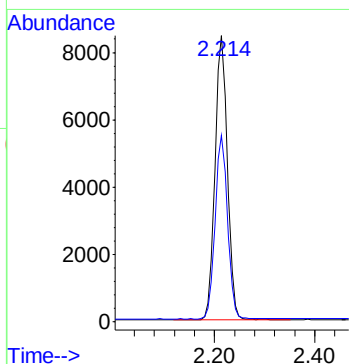
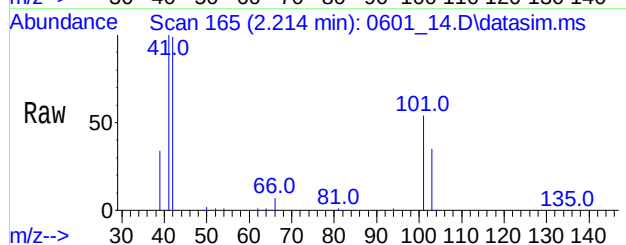
#57
m,p-Xylene
Conc: 8\$ 0.305 ppbv
RT: 11.210 min Scan# 1494
Delta R.T. 0.004 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

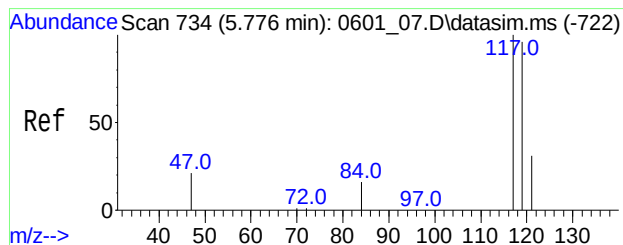
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	21585		
106	47.4	36.7	55.1	
105	22.0	16.9	25.3	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.277 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

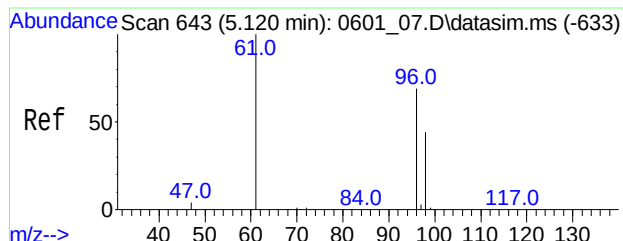
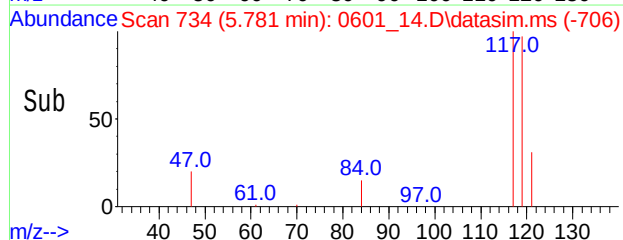
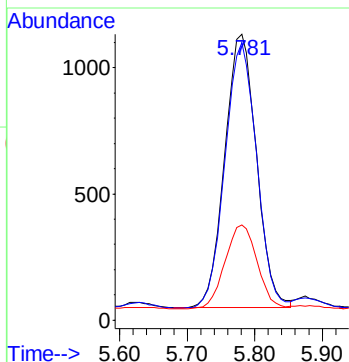
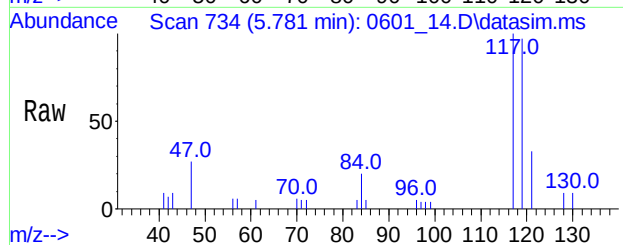
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	14533		
103	64.6	52.7	79.1	





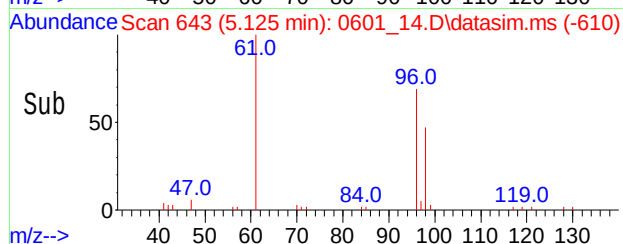
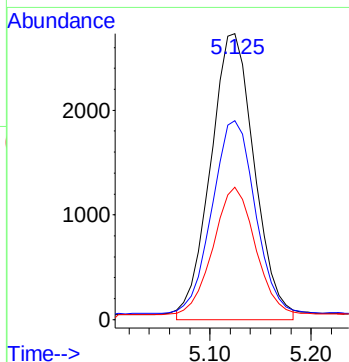
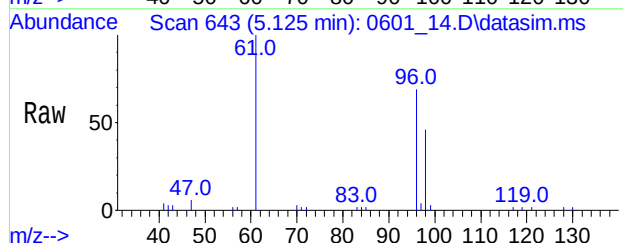
#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.083 ppbv
RT: 5.781 min Scan# 734
Delta R.T. 0.005 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

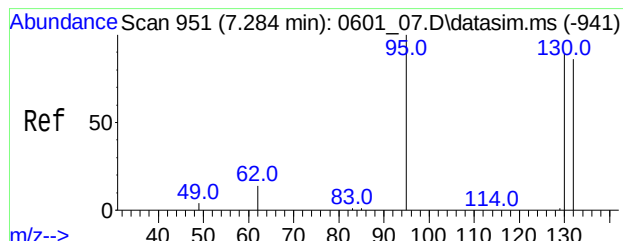
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3546		
119	97.0	76.6	115.0	
121	31.3	24.6	36.8	



#91
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 0.252 ppbv
RT: 5.122 min Scan# 643
Delta R.T. -0.003 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 1:45 pm

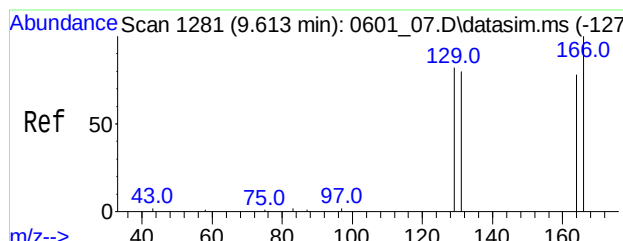
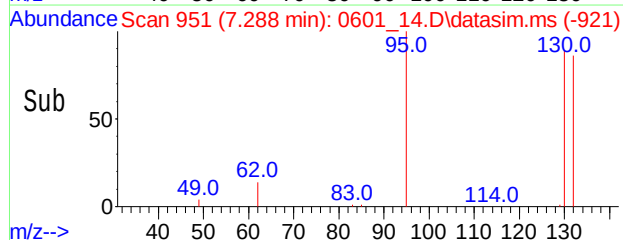
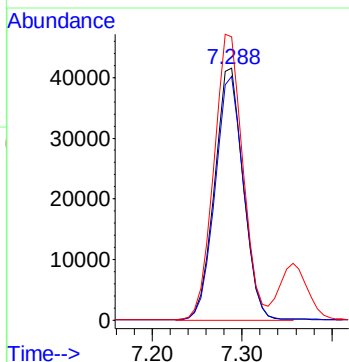
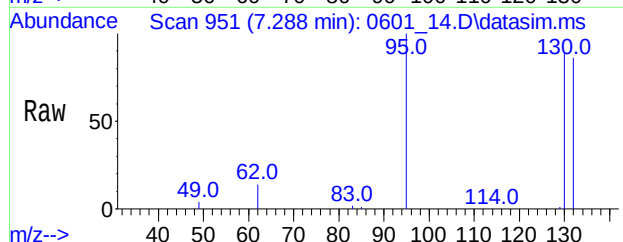
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	7641		
96	70.3	58.4	87.6	
98	42.6	33.0	49.4	





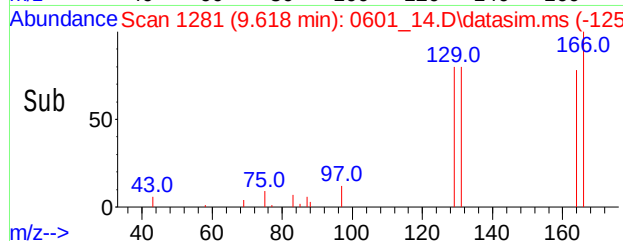
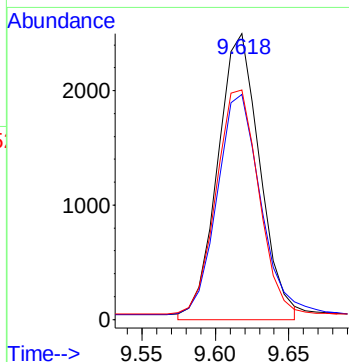
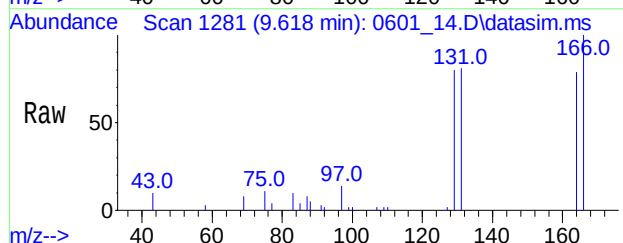
#97
 Trichloroethene(sim)
 Conc: 8\$ 3.086 ppbv
 RT: 7.285 min Scan# 951
 Delta R.T. 0.004 min
 Lab File: 0601_14.D
 Acq: 1 Jun 2020 1:45 pm

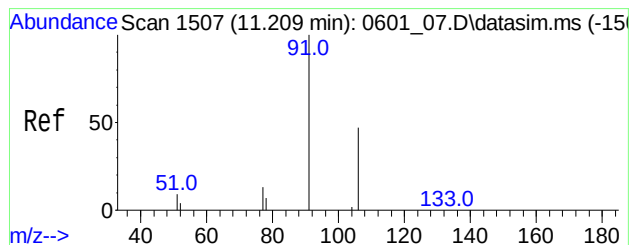
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	90048		
132	97.2	74.3	111.5	
95	114.2	89.6	134.4	



#103
 Tetrachloroethene(sim)
 Conc: 8\$ 0.129 ppbv
 RT: 9.615 min Scan# 1281
 Delta R.T. 0.005 min
 Lab File: 0601_14.D
 Acq: 1 Jun 2020 1:45 pm

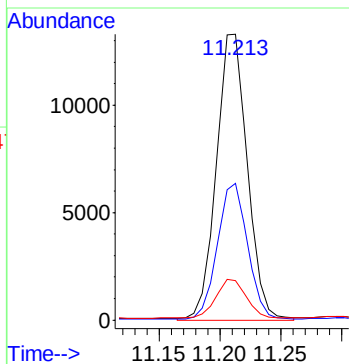
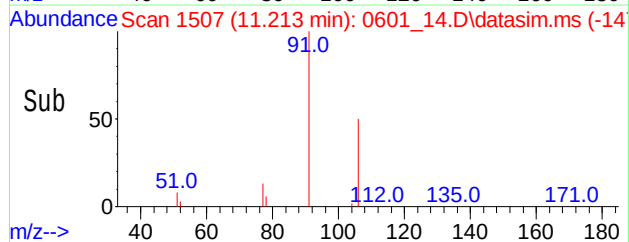
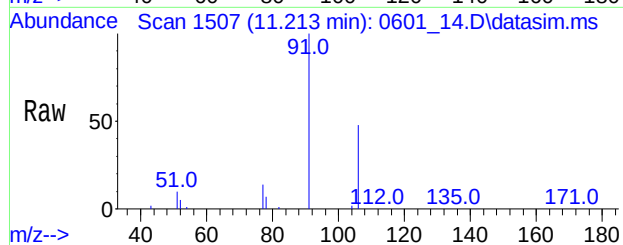
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	4633		
164	80.8	56.3	96.3	
129	83.1	59.6	99.6	





#107
 m,p-Xylene(sim)
 Conc: 8\$ 0.286 ppbv
 RT: 11.210 min Scan# 1507
 Delta R.T. 0.004 min
 Lab File: 0601_14.D
 Acq: 1 Jun 2020 1:45 pm

Tgt	Ion	Ratio	Resp:	21585
			Lower	Upper
91	100			
106	47.4	41.3	50.5	
77	14.5	11.6	17.4	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	EW-3
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03891</u>	
Canister:	<u>28559</u>	Lab File ID:	<u>0601_15.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>	Date Received: <u>06/01/20</u>
Purge Volume	<u>200</u> (cc)			Date Analyzed: <u>06/01/20</u>
Matrix:	<u>AIR</u>		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.460		0.202	0.202	r
74-87-3	Chloromethane	0.555		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	63.0	ES	0.531	0.531	r
67-64-1	Acetone	13.3	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.470		0.178	0.178	r
67-63-0	Isopropylalcohol	5.65	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	1.70		0.339	0.339	r
110-54-3	Hexane	2.46	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	1.08		0.313	0.313	r
110-82-7	Cyclohexane	0.798		0.291	0.291	r
79-01-6	Trichloroethene	0.264		0.037	0.037	r
142-82-5	Heptane	1.75		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	5.06		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	7.51		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
127-18-4	Tetrachloroethene	0.207		0.037	0.037	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	1.18		0.230	0.230	r
179601-23-1	m,p-Xylene	4.52		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	1.55		0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.927		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.288		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	1.01		0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03891

Canister: 28559 Lab File ID: 0601_15.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

EW-3

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.077		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Quantitation Report (No Status)

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_15.D
 Acq On : 1 Jun 2020 2:32 pm
 Operator : Keith
 Sample : 03891 600CC
 Misc :
 ALS Vial : 145 Sample Multiplier: 1

Quant Time: Jun 01 15:19:37 2020
 Quant Title :
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.434	130	177741	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	638369	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	343790	10.000	ng	0.00
80) Bromochloromethane(sim)	5.437	130	174683	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	688511	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	364231	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	12.405	95	462433	9.923	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.20%

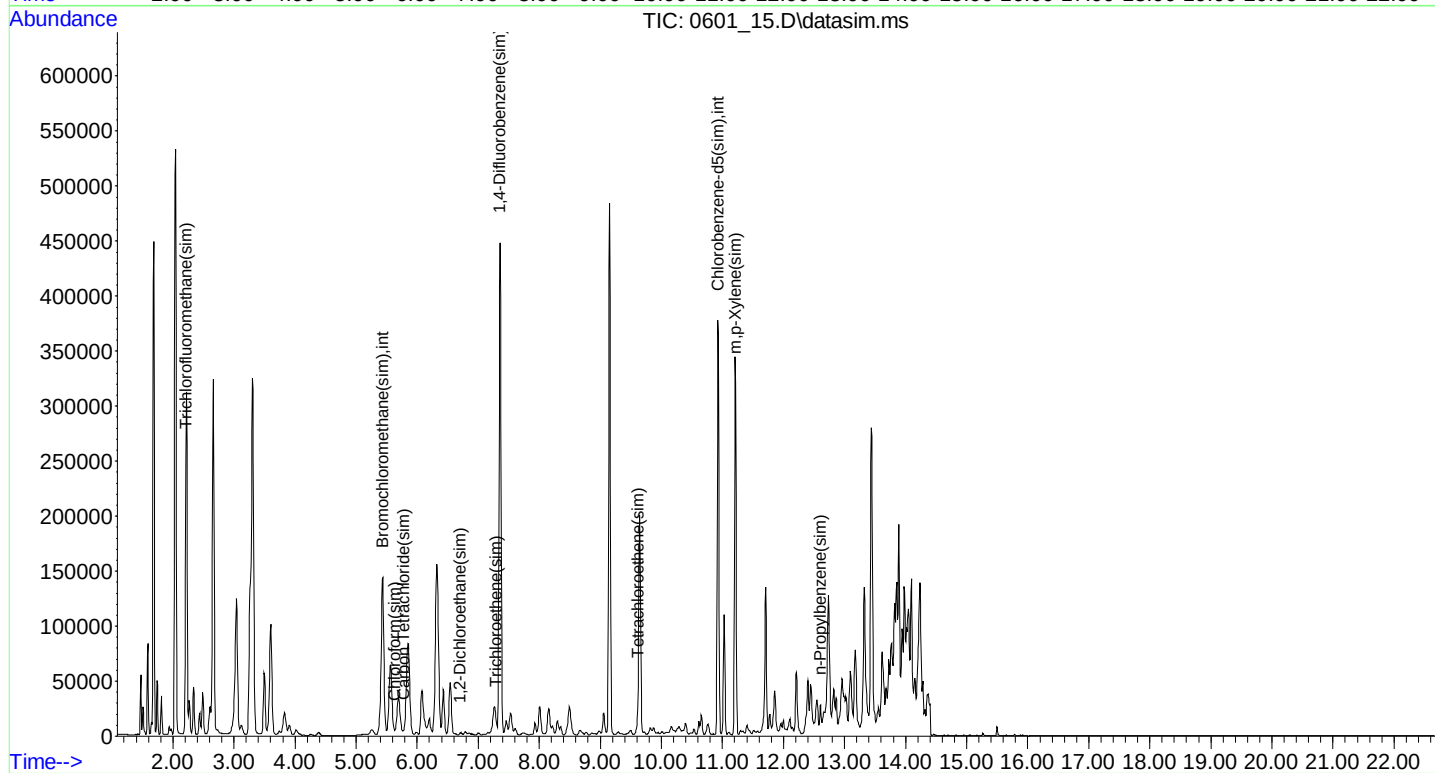
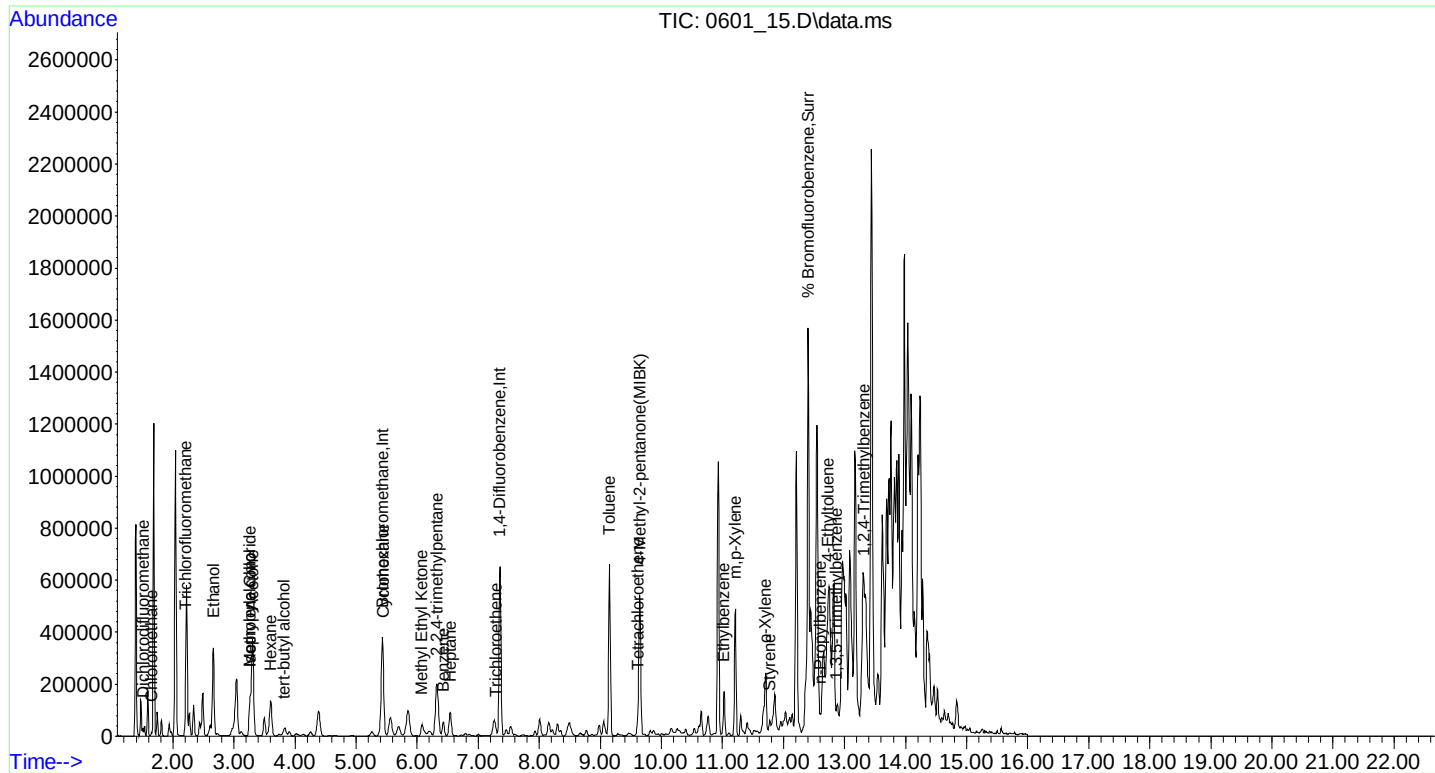
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Dichlorodifluoromethane	1.512	85	17375	0.460	ppbv	99
4) Chloromethane	1.650	50	10138	0.555	ppbv	95
10) Ethanol	2.663	45	382169	62.983	ppbv#	73
12) Acetone	3.306	43	445567	13.276	ppbv#	81
13) Trichlorofluoromethane	2.211	101	21078	0.470	ppbv	96
14) Isopropylalcohol	3.265	45	188114	5.645	ppbv#	53
17) Methylene Chloride	3.265	49	8239	0.372	ppbv#	90
18) tert-butyl alcohol	3.826	59	27325	1.158	ppbv#	60
25) Methyl Ethyl Ketone	6.076	43	67290	1.701	ppbv#	84
27) Hexane	3.600	57	88984	2.464	ppbv#	82
33) Benzene	6.432	78	63420	1.076	ppbv	99
35) Cyclohexane	5.442	56	22629	0.798	ppbv#	53
39) Trichloroethene	7.288	130	7155	0.264	ppbv	96
40) 2,2,4-trimethylpentane	6.329	57	325979	3.939	ppbv#	95
43) Heptane	6.542	43	59909	1.748	ppbv#	88
45) 4-Methyl-2-pentanone(M...)	9.647	43	233574	5.065	ppbv#	94
48) Toluene	9.148	91	537304	7.509	ppbv	97
52) Tetrachloroethene	9.618	166	7053	0.207	ppbv	92
56) Ethylbenzene	11.027	91	105007	1.175	ppbv	98
57) m, p-Xylene	11.213	91	309119	4.516	ppbv	99
59) Styrene	11.775	104	8969	0.174	ppbv	96
61) o-Xylene	11.707	91	114470	1.548	ppbv	96
65) n-Propylbenzene	12.606	91	25369	0.215	ppbv	96
66) 4-Ethyltoluene	12.735	105	88611	0.927	ppbv#	95
67) 1,3,5-Trimethylbenzene	12.865	105	23760	0.287	ppbv#	93
68) 1,2,4-Trimethylbenzene	13.319	105	80126	1.013	ppbv	95
84) Trichlorofluoromethane...	2.214	101	21807	0.441	ppbv	99
86) Carbon Tetrachloride(sim)	5.783	117	3097	0.077	ppbv	99
92) Chloroform(sim)	5.632	83	2297	0.051	ppbv#	39
93) 1,2-Dichloroethane(sim)	6.706	62	2036	0.073	ppbv	93
97) Trichloroethene(sim)	7.288	130	7155	0.258	ppbv	97
103) Tetrachloroethene(sim)	9.618	166	7053	0.207	ppbv	92
107) m, p-Xylene(sim)	11.213	91	309119	4.236	ppbv	98
109) n-Propylbenzene(sim)	12.606	91	25413	0.213	ppbv	96

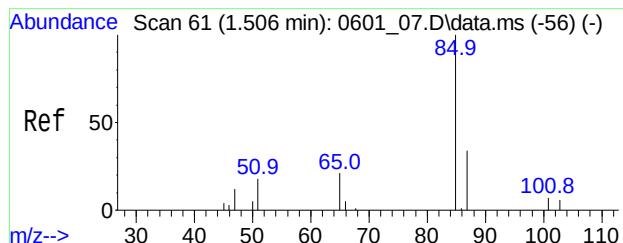
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(No Status)

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Data File : 0601_15.D  
Acq On : 1 Jun 2020 2:32 pm  
Operator : Keith  
Sample : 03891 600CC  
Misc :  
ALS Vial : 145 Sample Multiplier: 1
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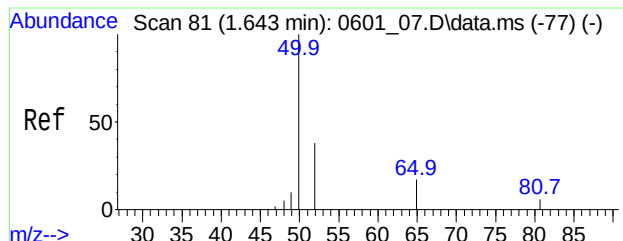
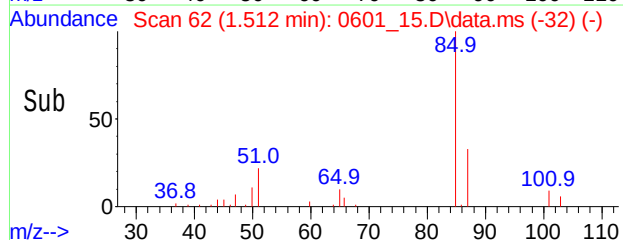
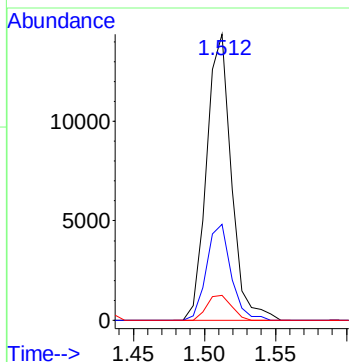
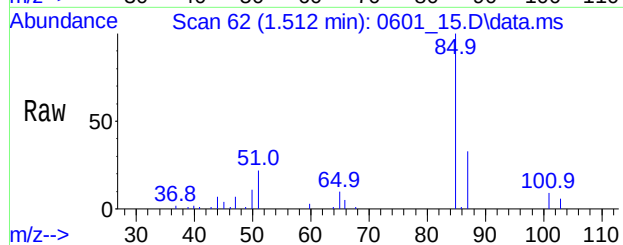
Quant Time: Jun 01 15:19:37 2020
Quant Title :
QLast Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





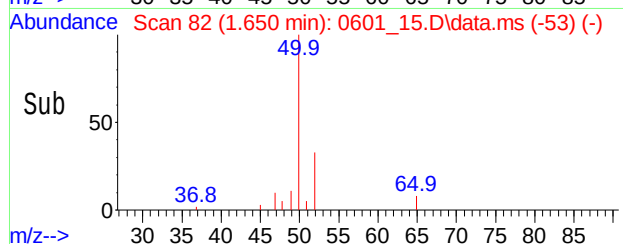
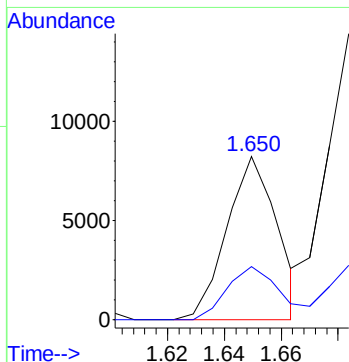
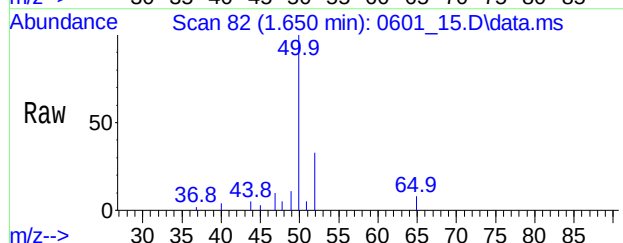
#3
Dichlorodifluoromethane
Conc: 8\$ 0.460 ppbv
RT: 1.512 min Scan# 62
Delta R.T. 0.006 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

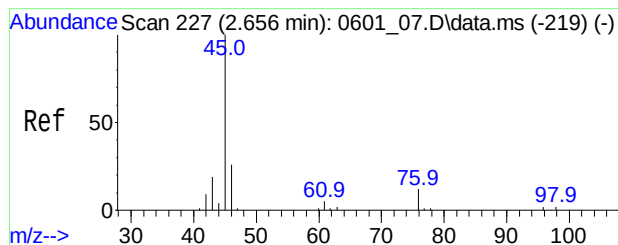
Tgt Ion: 85 Resp: 17375
Ion Ratio Lower Upper
85 100
87 33.0 26.2 39.4
101 8.6 6.2 9.4



#4
Chloromethane
Conc: 8\$ 0.555 ppbv
RT: 1.650 min Scan# 82
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

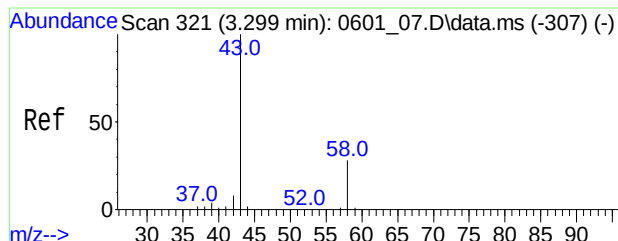
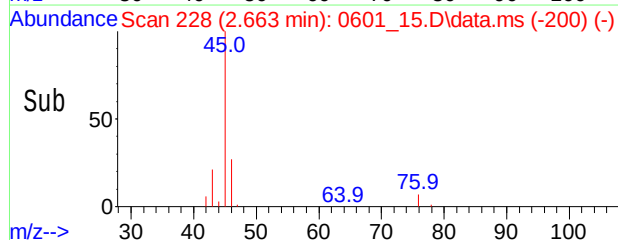
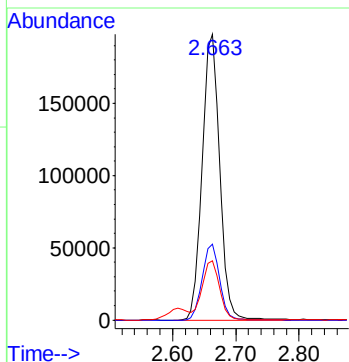
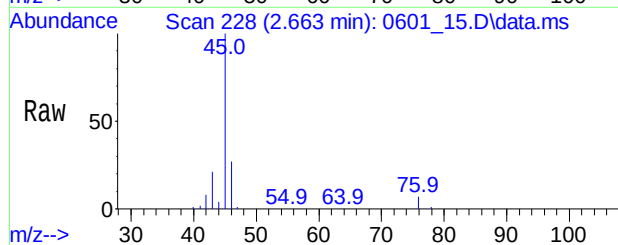
Tgt Ion: 50 Resp: 10138
Ion Ratio Lower Upper
50 100
52 35.0 12.2 52.2





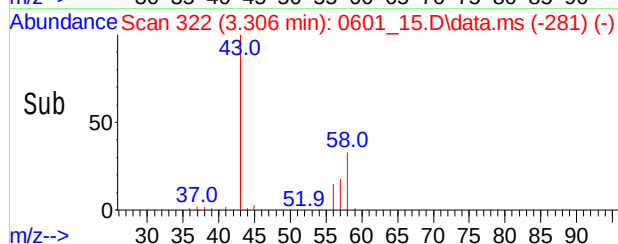
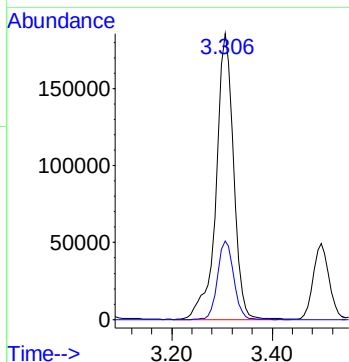
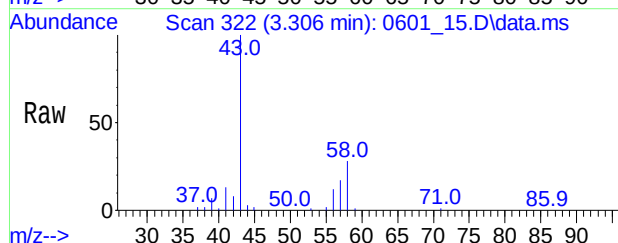
#10
Ethanol
Conc: 8\$ 62.983 ppbv
RT: 2.663 min Scan# 228
Delta R.T. 0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

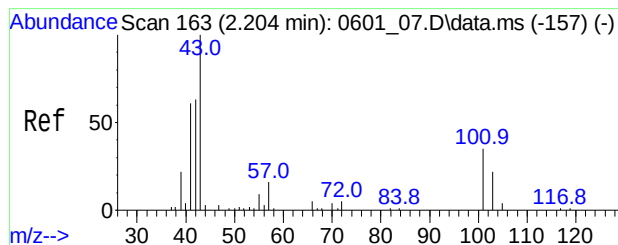
Tgt Ion: 45 Resp: 382169
Ion Ratio Lower Upper
45 100
46 26.4 0.0 0.0#
43 20.8 29.3 43.9#



#12
Acetone
Conc: 8\$ 13.276 ppbv
RT: 3.306 min Scan# 322
Delta R.T. -0.021 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

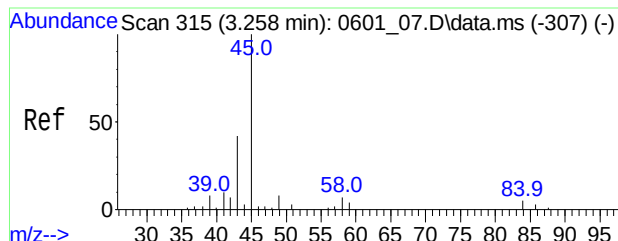
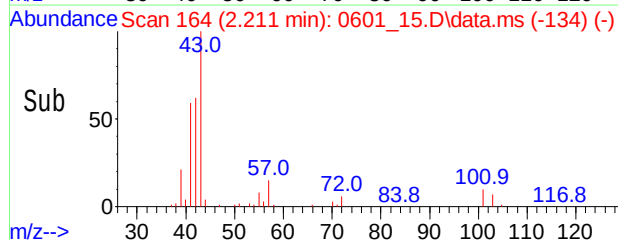
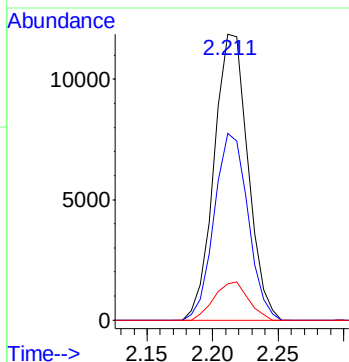
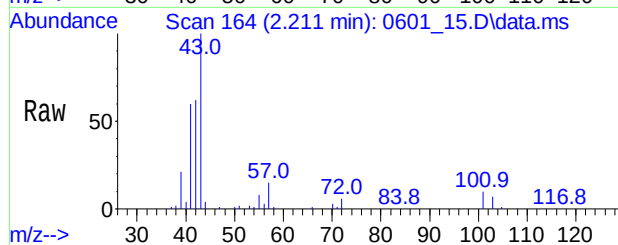
Tgt Ion: 43 Resp: 445567
Ion Ratio Lower Upper
43 100
58 25.4 13.8 20.6#





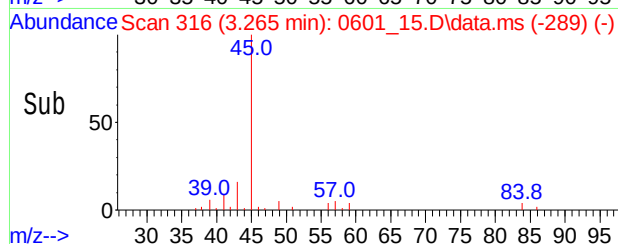
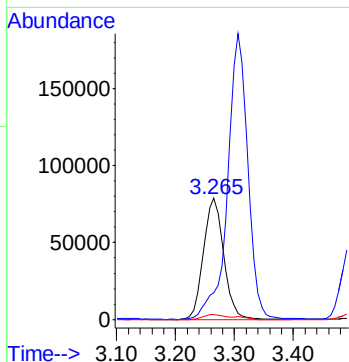
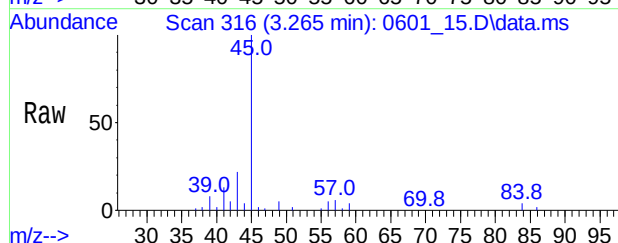
#13
 Trichlorofluoromethane
 Conc: 8\$ 0.470 ppbv
 RT: 2.211 min Scan# 164
 Delta R.T. 0.007 min
 Lab File: 0601_15.D
 Acq: 1 Jun 2020 2:32 pm

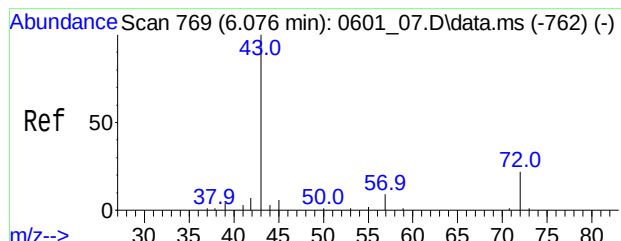
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	21078		
103	65.3	55.4	83.2	
66	13.4	11.4	17.0	



#14
 Isopropylalcohol
 Conc: 8\$ 5.645 ppbv
 RT: 3.265 min Scan# 316
 Delta R.T. -0.014 min
 Lab File: 0601_15.D
 Acq: 1 Jun 2020 2:32 pm

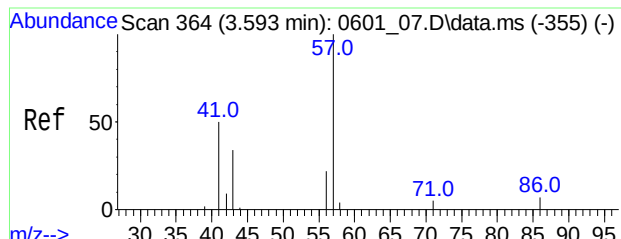
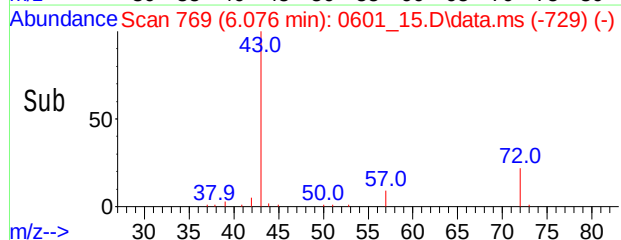
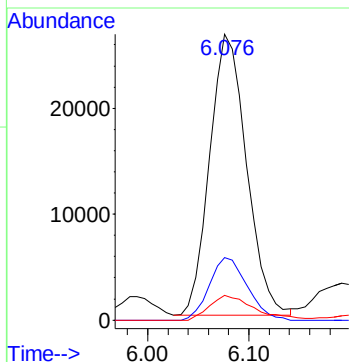
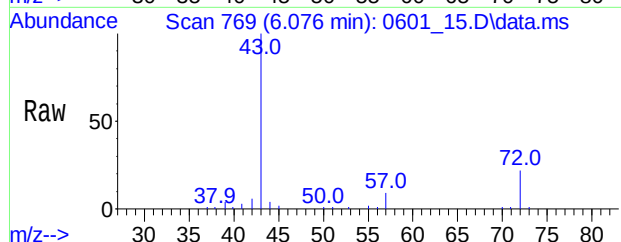
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	188114		
43	236.9	137.3	205.9#	
59	4.2	0.0	0.0#	





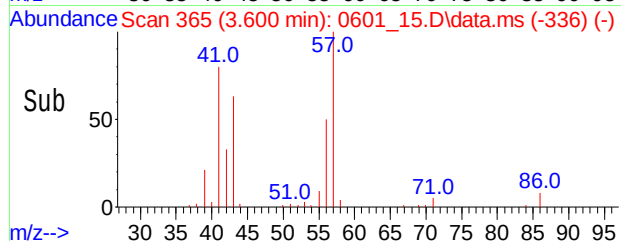
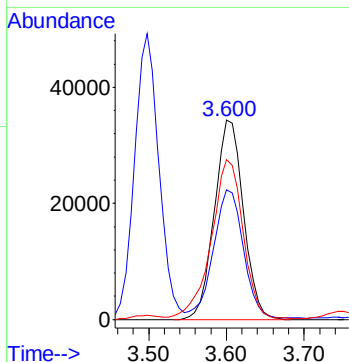
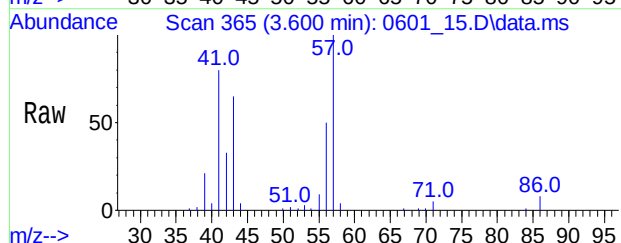
#25
Methyl Ethyl Ketone
Conc: 8\$ 1.701 ppbv
RT: 6.076 min Scan# 769
Delta R.T. -0.014 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

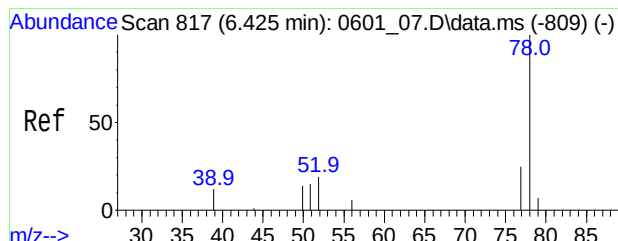
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	67290		
72	22.6	12.6	19.0#	
57	0.0	0.0	0.0	



#27
Hexane
Conc: 8\$ 2.464 ppbv
RT: 3.600 min Scan# 365
Delta R.T. 0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

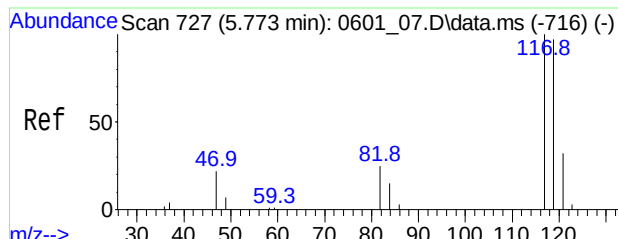
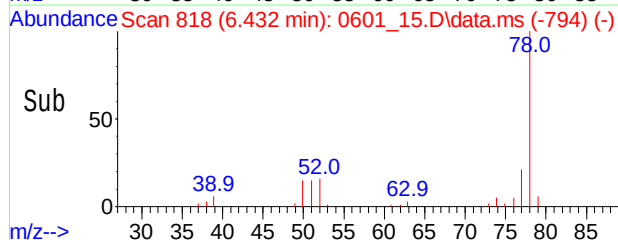
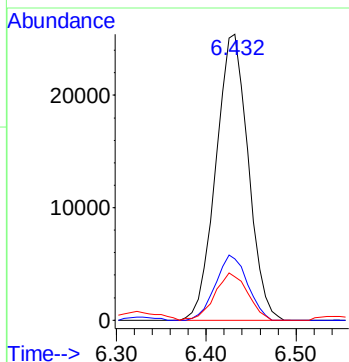
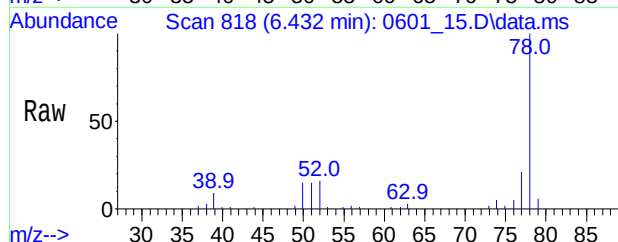
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	88984		
43	66.8	61.9	92.9	
41	87.0	88.6	132.8#	





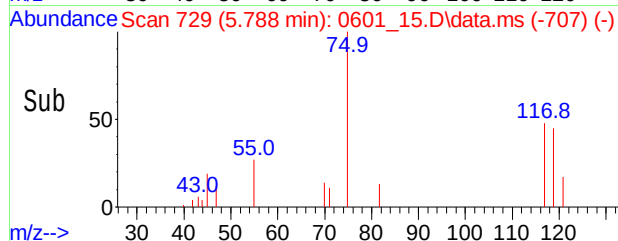
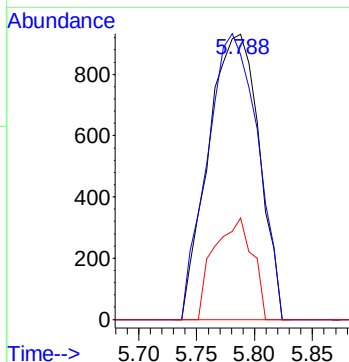
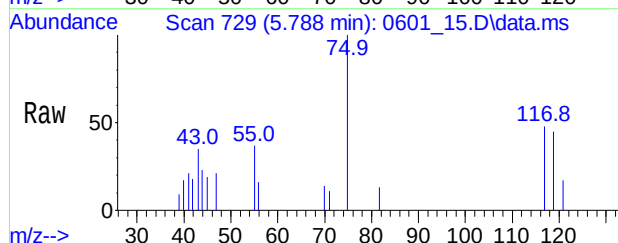
#33
Benzene
Conc: 8\$ 1.076 ppbv
RT: 6.432 min Scan# 818
Delta R.T. 0.014 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

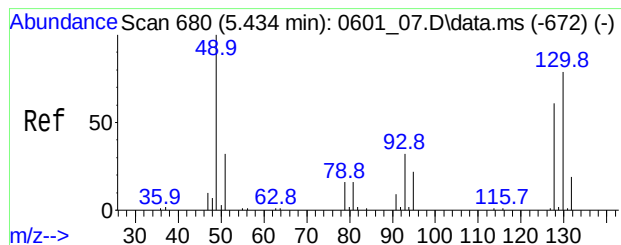
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	63420		
77	22.6	18.2	27.4	
51	16.7	14.3	21.5	



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.788 min Scan# 729
Delta R.T. 0.008 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

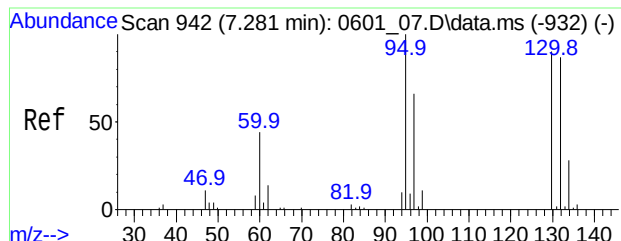
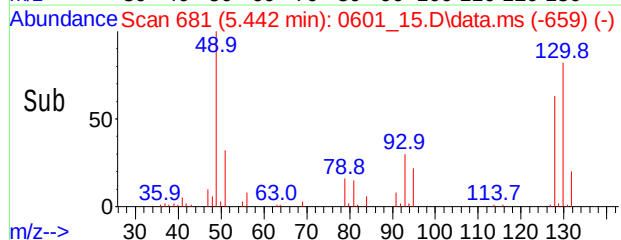
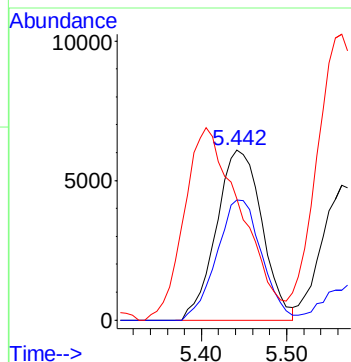
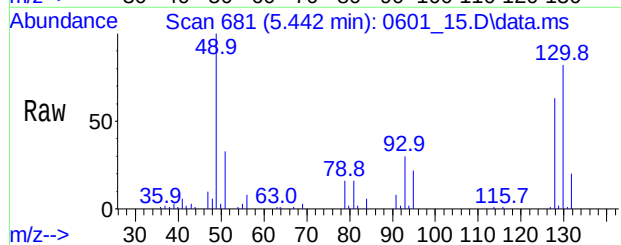
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2823		
119	99.1	75.0	115.0	
121	26.8	6.8	46.8	





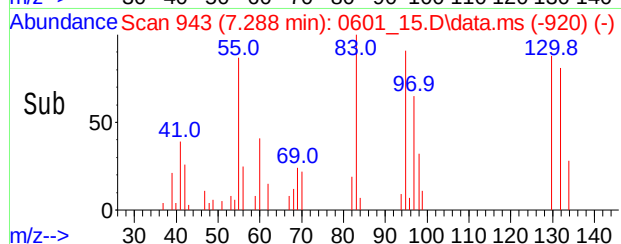
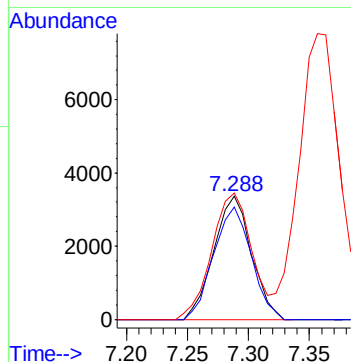
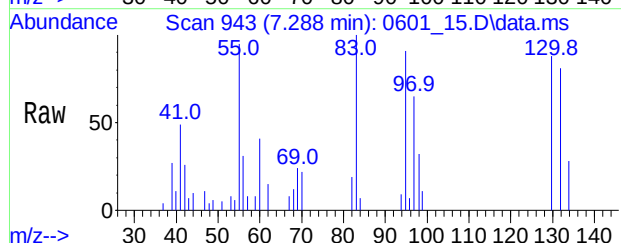
#35
Cyclohexane
Conc: 8\$ 0.798 ppbv
RT: 5.442 min Scan# 681
Delta R.T. 0.008 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

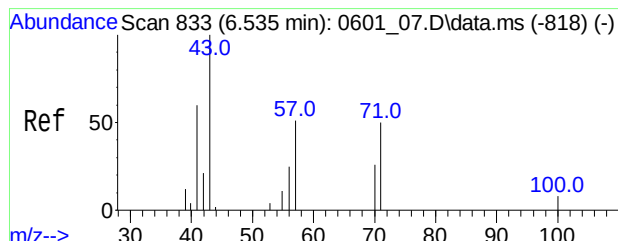
Tgt Ion	Ratio	Lower	Upper
56	100		
84	69.4	48.1	72.1
41	141.7	62.3	93.5#



#39
Trichloroethene
Conc: 8\$ 0.264 ppbv
RT: 7.288 min Scan# 943
Delta R.T. 0.007 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

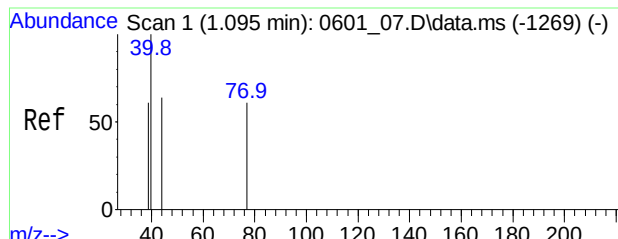
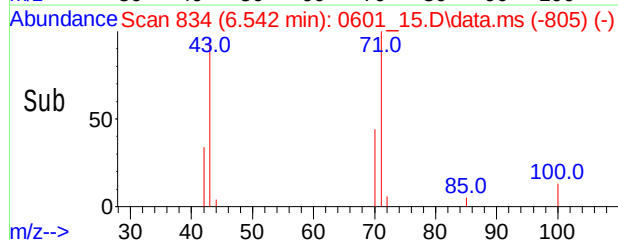
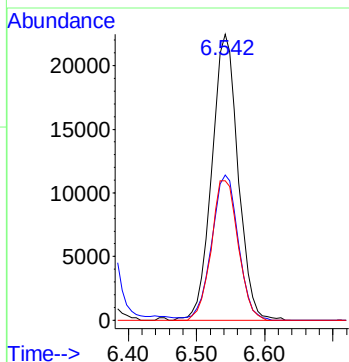
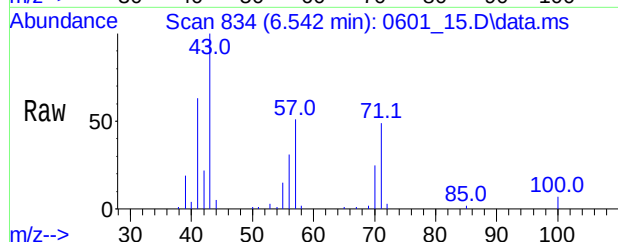
Tgt Ion	Ratio	Lower	Upper
130	100		
132	91.6	76.6	114.8
95	108.1	89.6	134.4





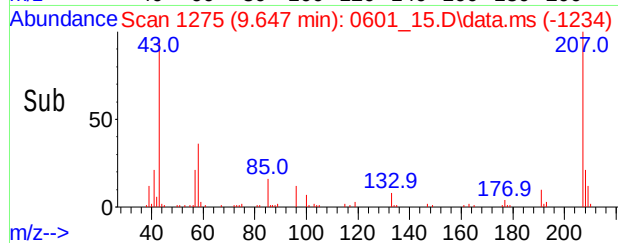
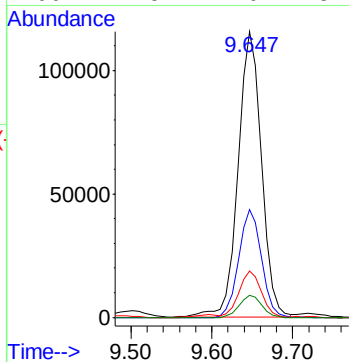
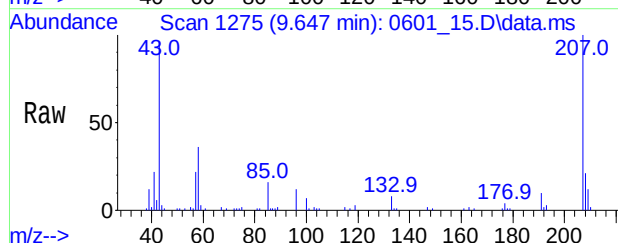
#43
Heptane
Conc: 8\$ 1.748 ppbv
RT: 6.542 min Scan# 834
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

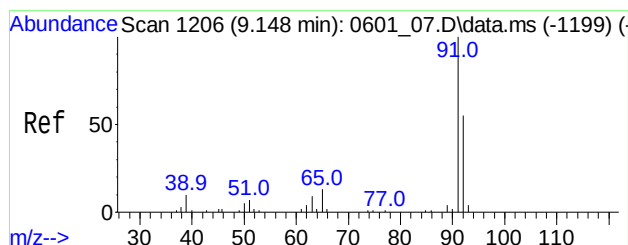
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	59909		
57	51.7	35.9		53.9
71	50.1	33.4		50.0#



#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 5.065 ppbv
RT: 9.647 min Scan# 1275
Delta R.T. -0.007 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

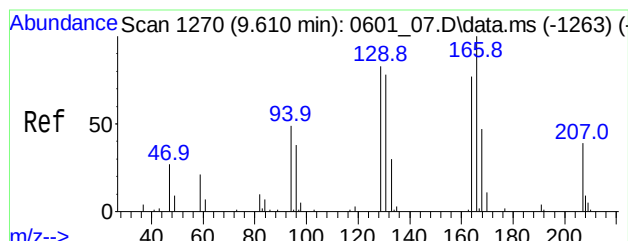
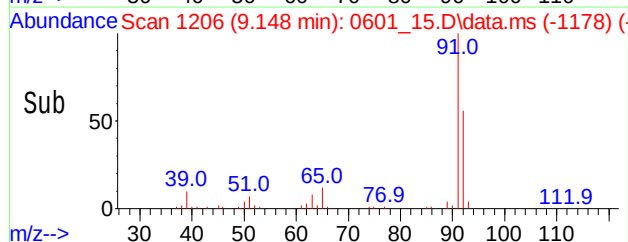
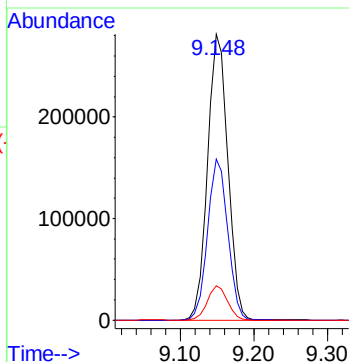
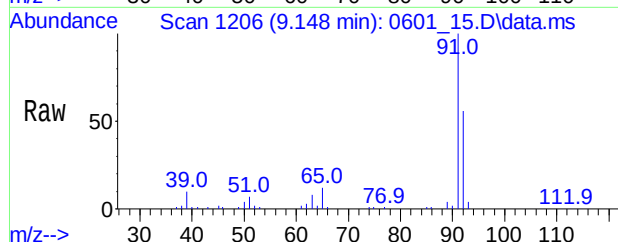
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	233574		
58	36.8	26.4		39.6
85	15.3	10.9		16.3
100	7.5	2.6		3.8#





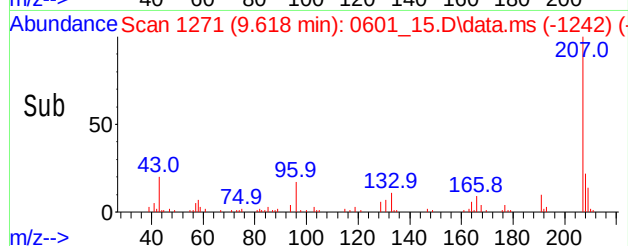
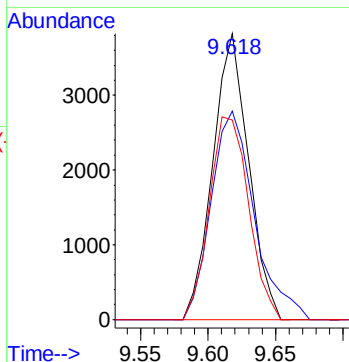
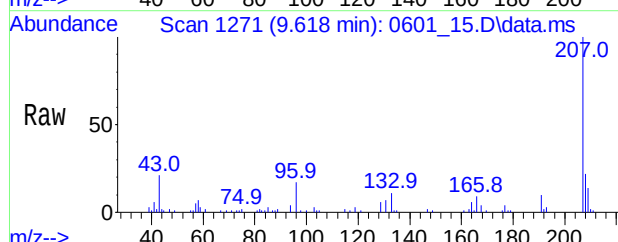
#48
Toluene
Conc: 8\$ 7.509 ppbv
RT: 9.148 min Scan# 1206
Delta R.T. 0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

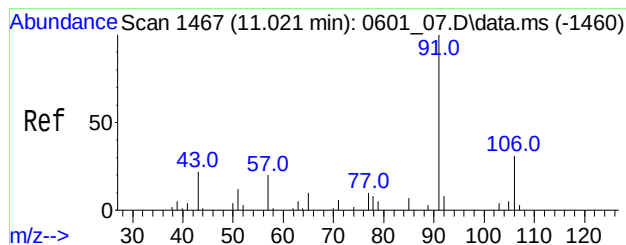
Tgt Ion: 91 Resp: 537304
Ion Ratio Lower Upper
91 100
92 55.8 43.4 65.0
65 11.8 8.2 12.4



#52
Tetrachloroethene
Conc: 8\$ 0.207 ppbv
RT: 9.618 min Scan# 1271
Delta R.T. 0.008 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

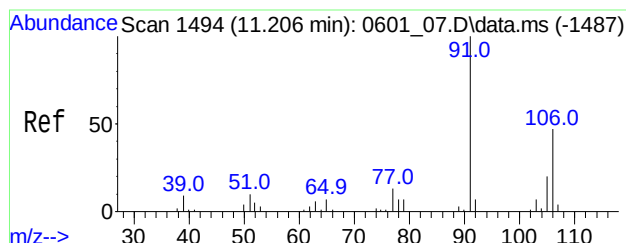
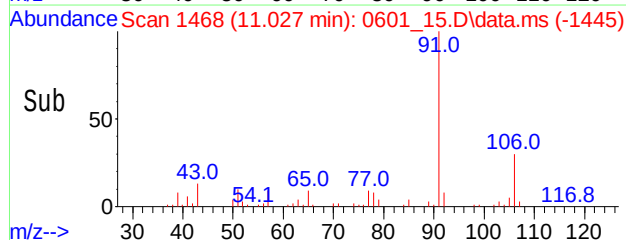
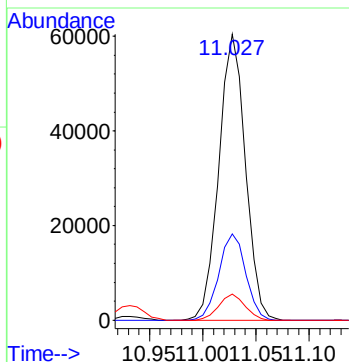
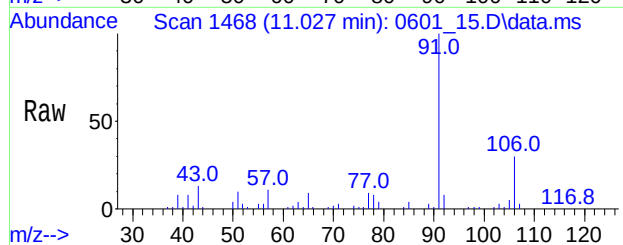
Tgt Ion: 166 Resp: 7053
Ion Ratio Lower Upper
166 100
164 87.9 61.0 91.6
129 77.8 63.7 95.5





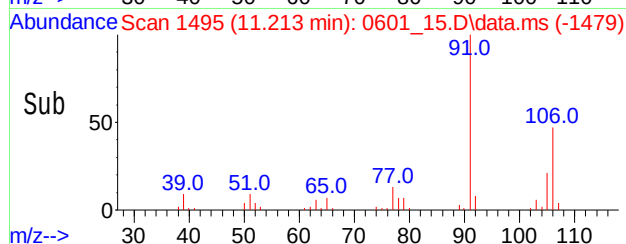
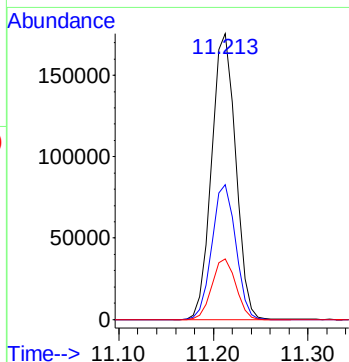
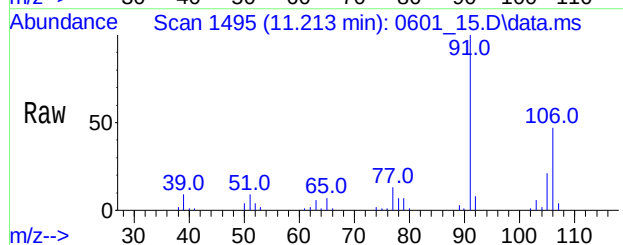
#56
Ethylbenzene
Conc: 8\$ 1.175 ppbv
RT: 11.027 min Scan# 1468
Delta R.T. 0.006 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

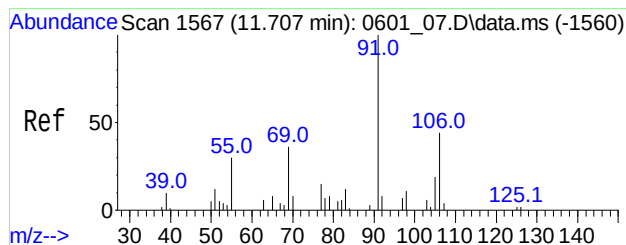
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	9.2	49.2
77	9.0	0.0	29.2



#57
m,p-Xylene
Conc: 8\$ 4.516 ppbv
RT: 11.213 min Scan# 1495
Delta R.T. 0.007 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

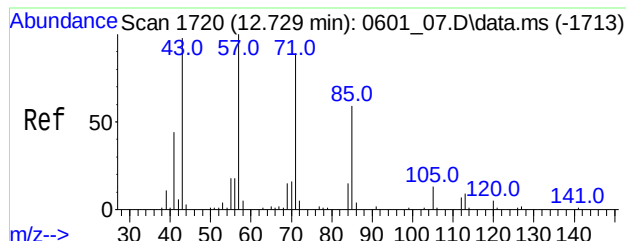
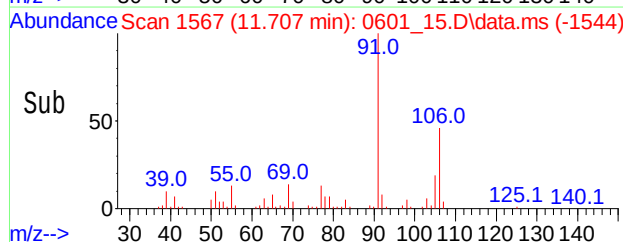
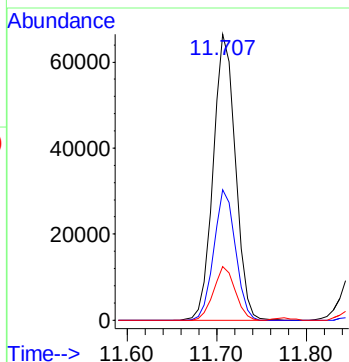
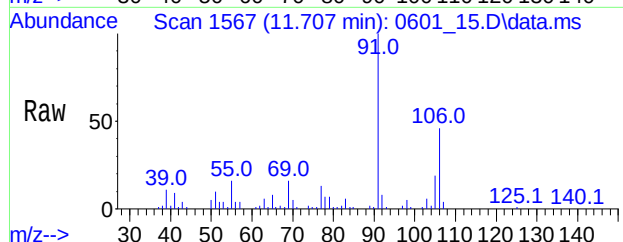
Tgt Ion	Ratio	Lower	Upper
91	100		
106	46.8	36.7	55.1
105	21.0	16.9	25.3





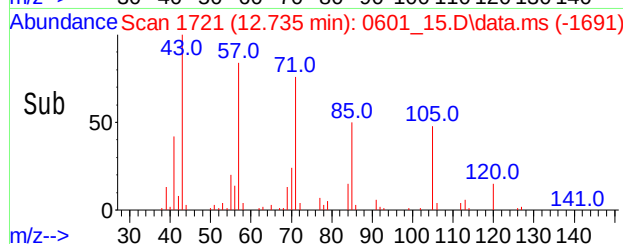
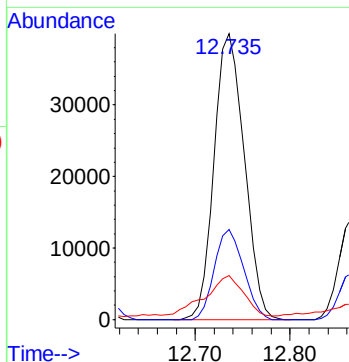
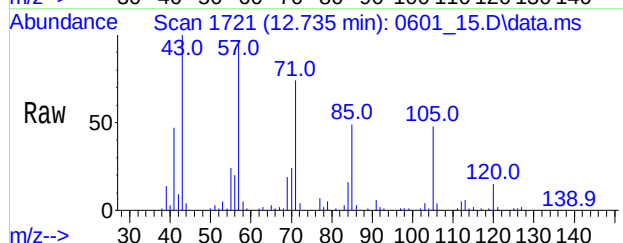
#61
o-Xylene
Conc: 8\$ 1.548 ppbv
RT: 11.707 min Scan# 1567
Delta R.T. 0.007 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

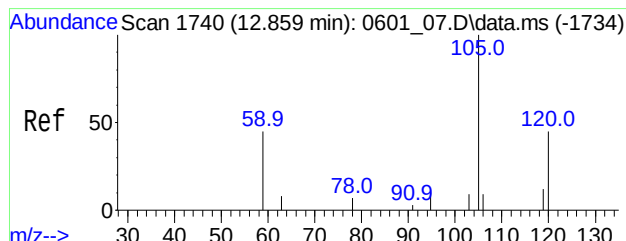
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	114470		
106	44.4	33.0	49.6	
105	18.2	14.6	22.0	



#66
4-Ethyltoluene
Conc: 8\$ 0.927 ppbv
RT: 12.735 min Scan# 1721
Delta R.T. -0.007 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

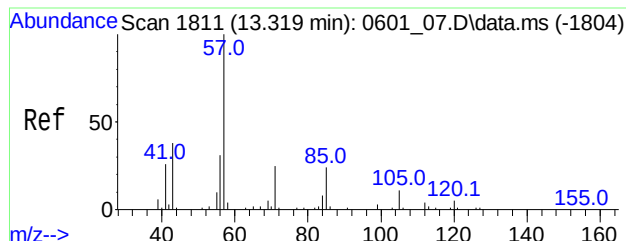
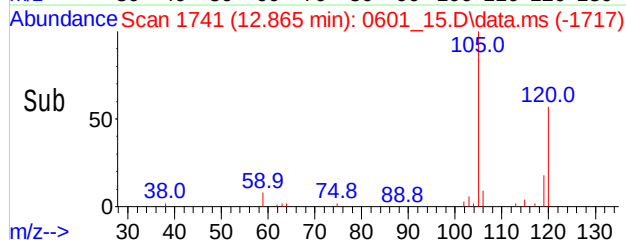
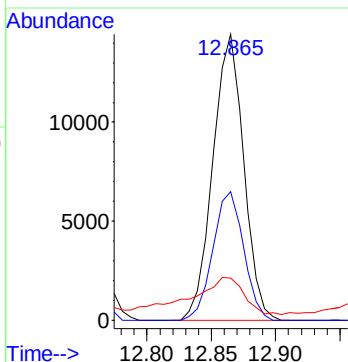
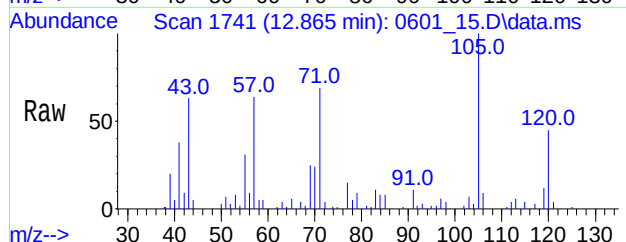
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	88611		
120	30.4	24.1	36.1	
77	19.4	10.5	15.7	





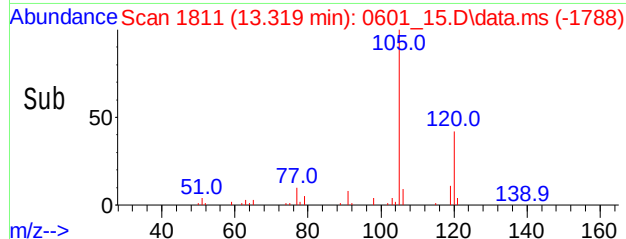
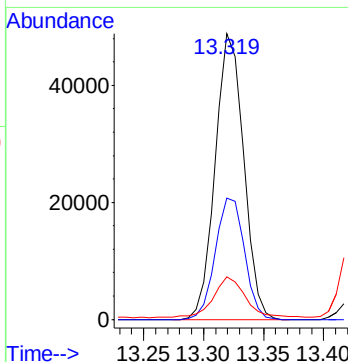
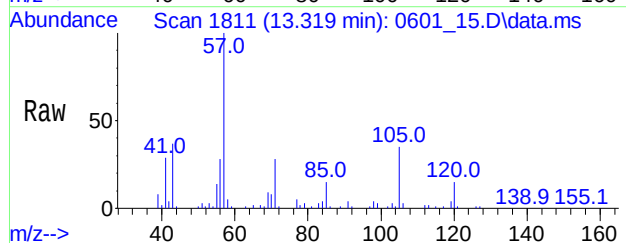
#67
1,3,5-Trimethylbenzene
Conc: 8\$ 0.287 ppbv
RT: 12.865 min Scan# 1741
Delta R.T. 0.006 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

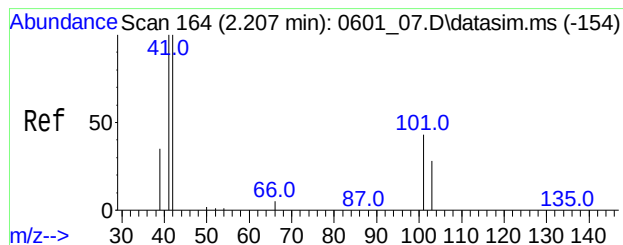
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	23760		
120	44.8	34.4	51.6	
77	22.4	12.2	18.2	



#68
1,2,4-Trimethylbenzene
Conc: 8\$ 1.013 ppbv
RT: 13.319 min Scan# 1811
Delta R.T. -0.001 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

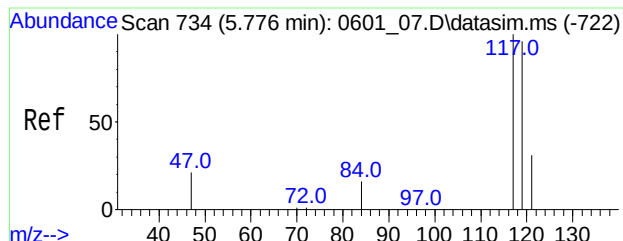
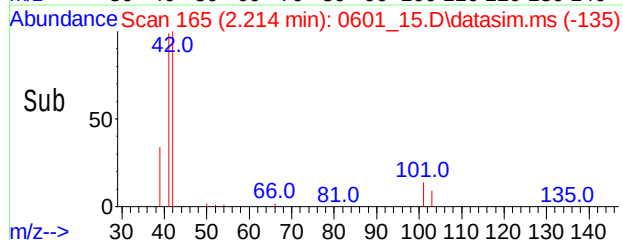
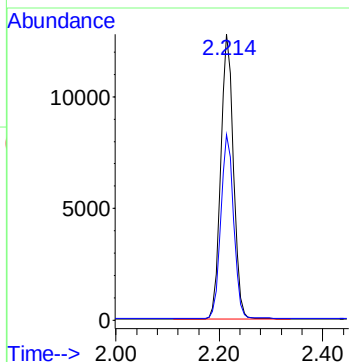
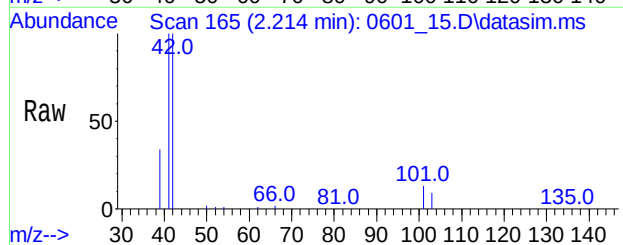
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	80126		
120	43.5	32.6	48.8	
77	16.4	11.1	16.7	





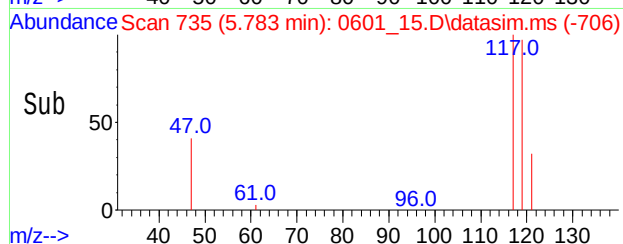
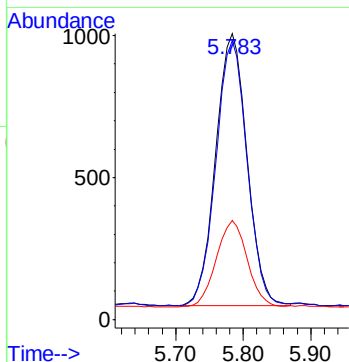
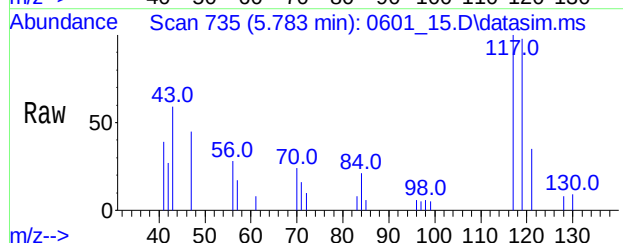
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.441 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

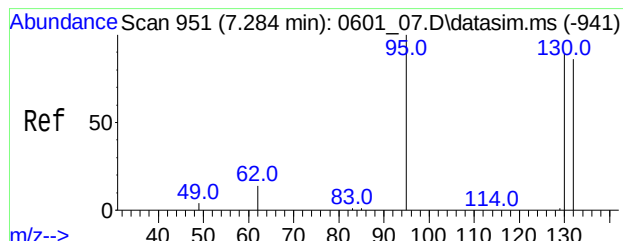
Tgt Ion: 101 Resp: 21807
Ion Ratio Lower Upper
101 100
103 65.1 52.7 79.1



#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.077 ppbv
RT: 5.783 min Scan# 735
Delta R.T. 0.007 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 2:32 pm

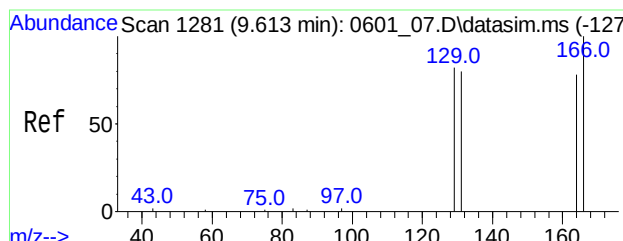
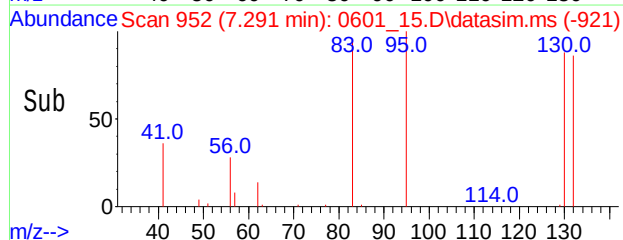
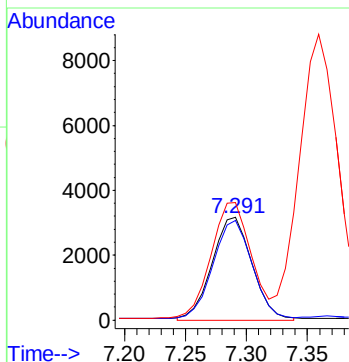
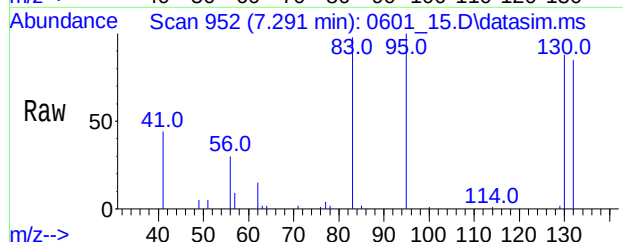
Tgt Ion: 117 Resp: 3097
Ion Ratio Lower Upper
117 100
119 96.5 76.6 115.0
121 31.4 24.6 36.8





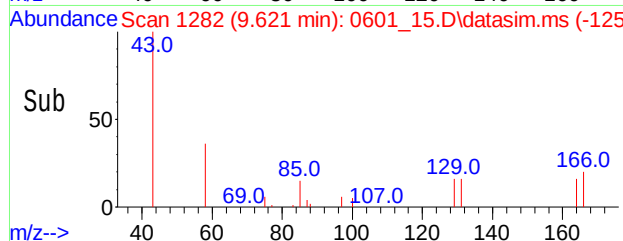
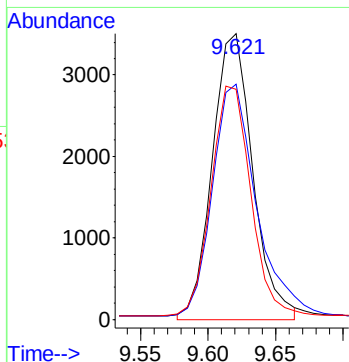
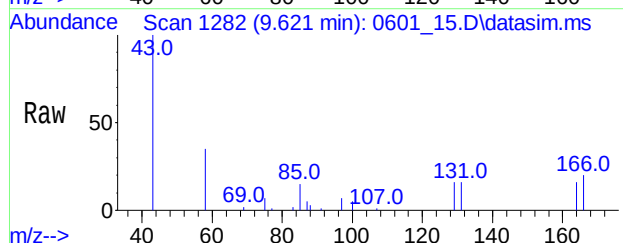
#97
 Trichloroethene(sim)
 Conc: 8\$ 0.258 ppbv
 RT: 7.288 min Scan# 952
 Delta R.T. 0.007 min
 Lab File: 0601_15.D
 Acq: 1 Jun 2020 2:32 pm

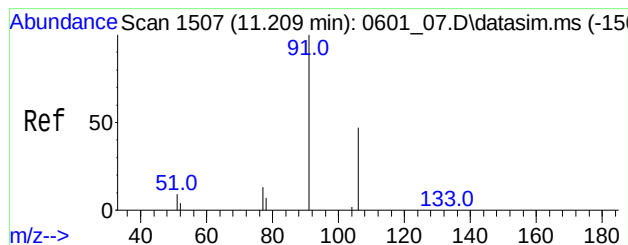
Tgt Ion:	130	Resp:	7155
Ion Ratio	Lower	Upper	
130	100		
132	91.6	74.3	111.5
95	108.1	89.6	134.4



#103
 Tetrachloroethene(sim)
 Conc: 8\$ 0.207 ppbv
 RT: 9.618 min Scan# 1282
 Delta R.T. 0.008 min
 Lab File: 0601_15.D
 Acq: 1 Jun 2020 2:32 pm

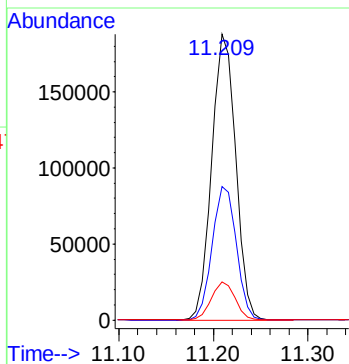
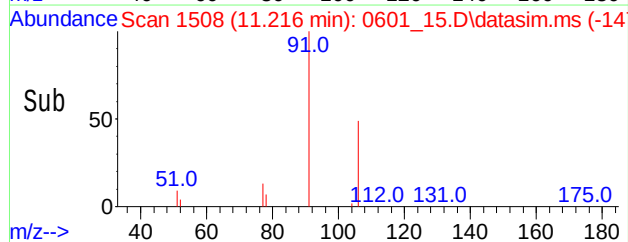
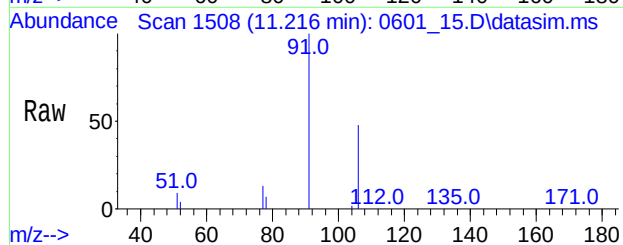
Tgt Ion:	166	Resp:	7053
Ion Ratio	Lower	Upper	
166	100		
164	87.9	56.3	96.3
129	77.8	59.6	99.6





#107
 m,p-Xylene(sim)
 Conc: 8\$ 4.236 ppbv
 RT: 11.213 min Scan# 1508
 Delta R.T. 0.007 min
 Lab File: 0601_15.D
 Acq: 1 Jun 2020 2:32 pm

Tgt	Ion	Ratio	Resp	Upper
91	100		309119	
106	46.8	41.3	50.5	
77	13.3	11.6	17.4	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	EW-4
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03892</u>	
Canister:	<u>28568</u>	Lab File ID:	<u>0601_16.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>	Date Received: <u>06/01/20</u>
Purge Volume	<u>200</u> (cc)			Date Analyzed: <u>06/01/20</u>
Matrix:	<u>AIR</u>		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.492		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	16.2	S	0.531	0.531	r
67-64-1	Acetone	5.24	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.916		0.178	0.178	r
67-63-0	Isopropylalcohol	1.73	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	1.23		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	1.89		0.051	0.051	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.671		0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
79-01-6	Trichloroethene	9.38		0.037	0.037	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.728		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.690		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.254		0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

EW-4

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886

Lab Sample ID: CG03892

Canister: 28568

Lab File ID: 0601_16.D

Instrument: CHEM24 Column: RTX-VMS

Date Received: 06/01/20

Purge Volume 200 (cc)

Date Analyzed: 06/01/20

Matrix: AIR

Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.080		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.166		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 060116.D
 Acq On : 1 Jun 2020 3:09 pm
 Operator : Keith
 Client ID : EW-4
 Lab ID : CG03892
 ALS Vial : 146 Sample Multiplier: 1

Quant Time: Jun 02 08:00:45 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

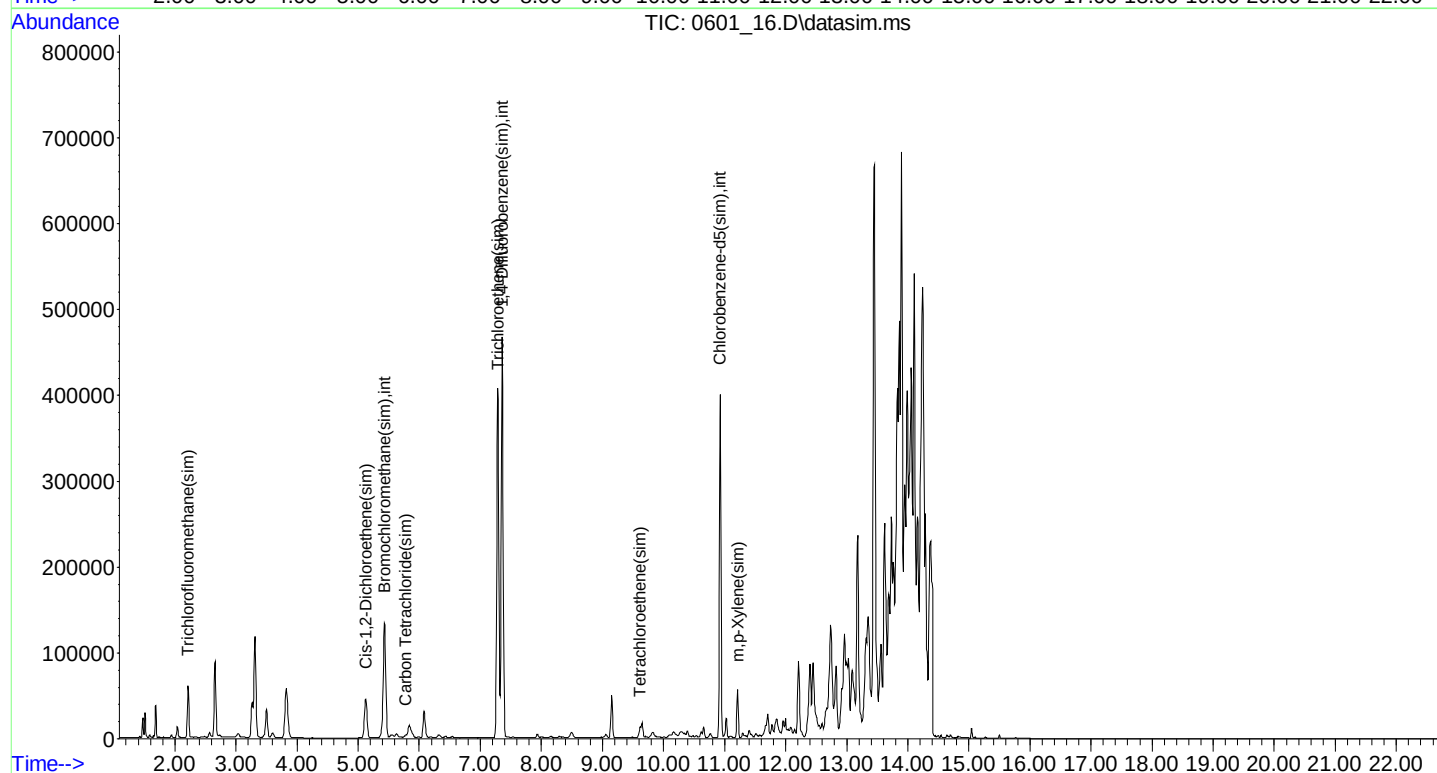
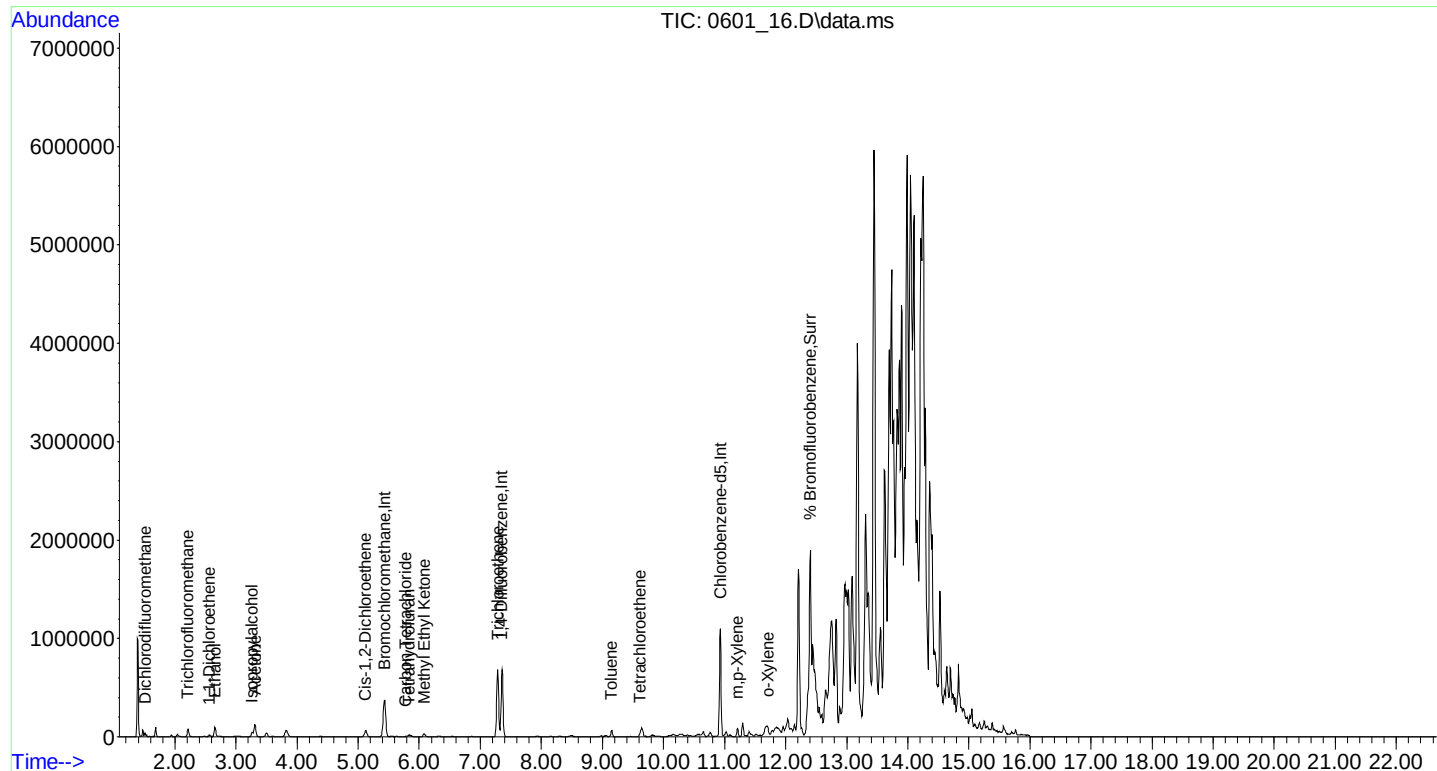
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.434	130	191059	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.356	114	675756	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	361205	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	187815	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	728202	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	382424	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.404	95	483458	9.874	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.70%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.512	85	19958	0.492	ppbv	99
10) Ethanol	2.656	45	105942	16.243	ppbv#	76
12) Acetone	3.313	43	189016	5.239	ppbv#	80
13) Trichlorofluoromethane	2.211	101	44203	0.916	ppbv	95
14) Isopropylalcohol	3.265	45	61820	1.726	ppbv#	1
16) 1,1-Dichloroethene	2.567	61	3566	0.124	ppbv#	27
25) Methyl Ethyl Ketone	6.083	43	52377	1.232	ppbv#	83
26) Cis-1,2-Dichloroethene	5.124	61	56933	1.888	ppbv	95
30) Tetrahydrofuran	5.838	41	8407	0.671	ppbv	100
34) Carbon Tetrachloride	5.780	117	3253	0.073	ppbv	97
39) Trichloroethene	7.288	130	269193	9.384	ppbv	100
48) Toluene	9.148	91	55141	0.728	ppbv	98
52) Tetrachloroethene	9.618	166	6072	0.169	ppbv	96
57) m,p-Xylene	11.213	91	49649	0.690	ppbv	99
61) o-Xylene	11.707	91	19721	0.254	ppbv	97
84) Trichlorofluoromethane...	2.214	101	45624	0.858	ppbv	99
86) Carbon Tetrachloride(sim)	5.783	117	3457	0.080	ppbv	99
91) Cis-1,2-Dichloroethene...	5.124	61	56933	1.856	ppbv	95
97) Trichloroethene(sim)	7.288	130	269193	9.168	ppbv	98
103) Tetrachloroethene(sim)	9.618	166	5998	0.166	ppbv	95
107) m,p-Xylene(sim)	11.213	91	49649	0.648	ppbv	99

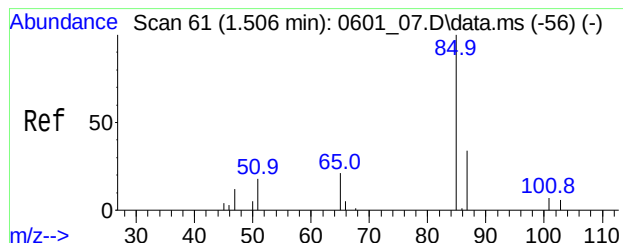
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_16.D
 Acq On : 1 Jun 2020 3:09 pm
 Operator : Keith
 Client ID : EW-4
 Lab ID : CG03892
 ALS Vial : 146 Sample Multiplier: 1

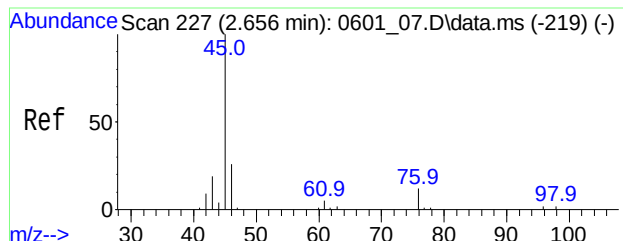
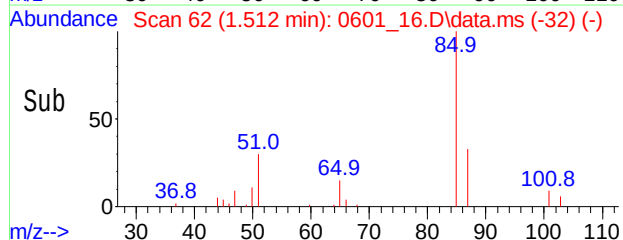
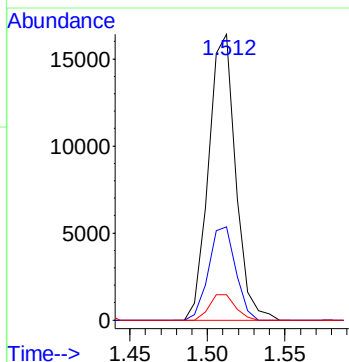
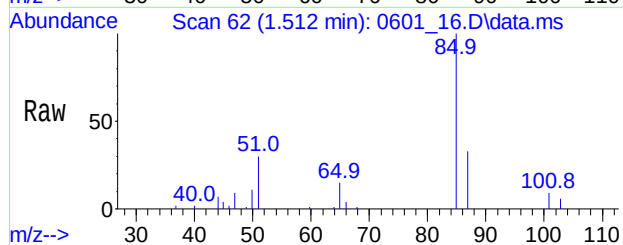
Quant Time: Jun 02 08:00:45 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration





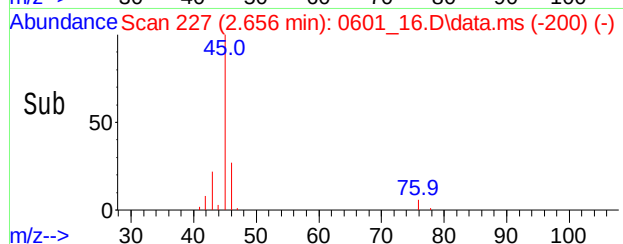
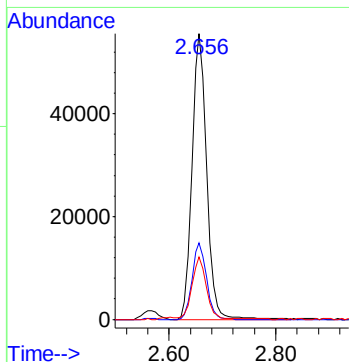
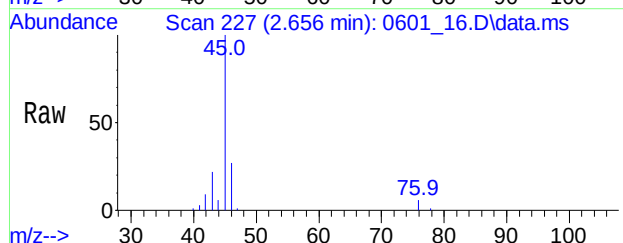
#3
Dichlorodifluoromethane
Conc: 8\$ 0.492 ppbv
RT: 1.512 min Scan# 62
Delta R.T. 0.006 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

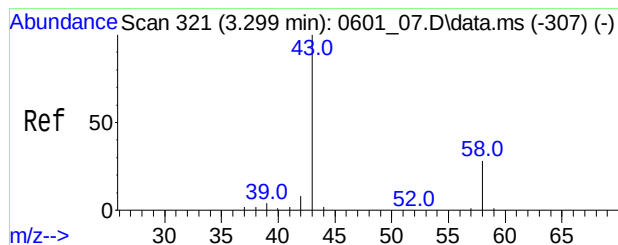
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	19958		
87	32.6	26.2	39.4	
101	8.5	6.2	9.4	



#10
Ethanol
Conc: 8\$ 16.243 ppbv
RT: 2.656 min Scan# 227
Delta R.T. -0.007 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

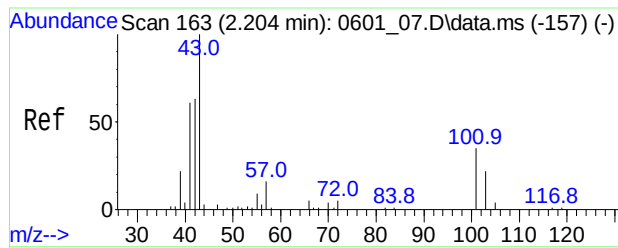
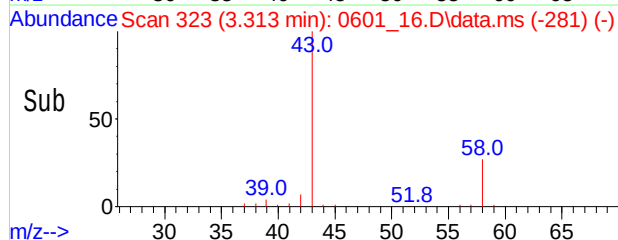
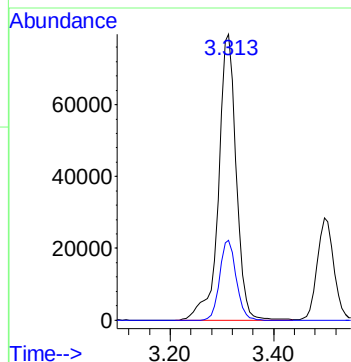
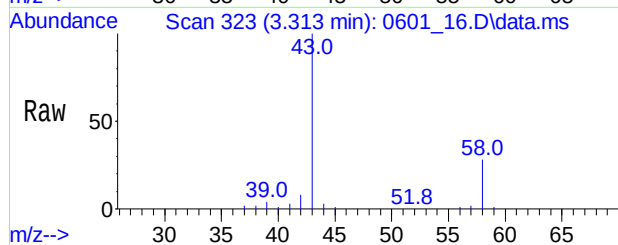
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	105942		
46	26.2	0.0	0.0#	
43	22.5	29.3	43.9#	





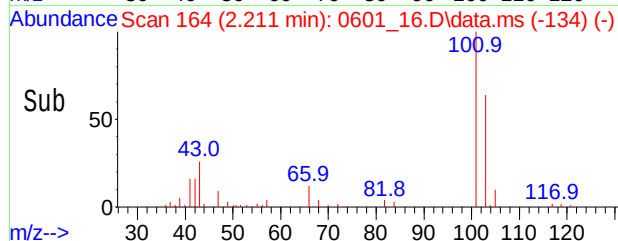
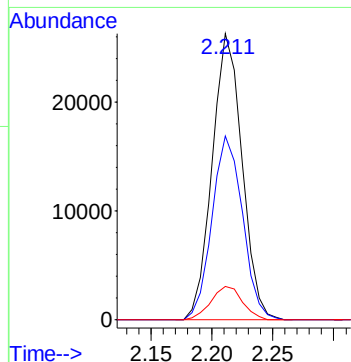
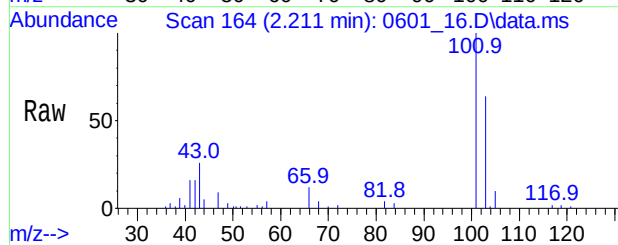
#12
Acetone
Conc: 8\$ 5.239 ppbv
RT: 3.313 min Scan# 323
Delta R.T. -0.014 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

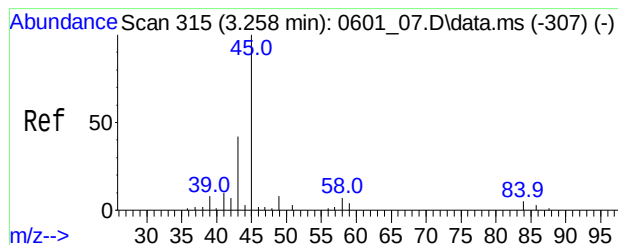
Tgt Ion: 43 Resp: 189016
Ion Ratio Lower Upper
43 100
58 26.0 13.8 20.6#



#13
Trichlorofluoromethane
Conc: 8\$ 0.916 ppbv
RT: 2.211 min Scan# 164
Delta R.T. 0.007 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

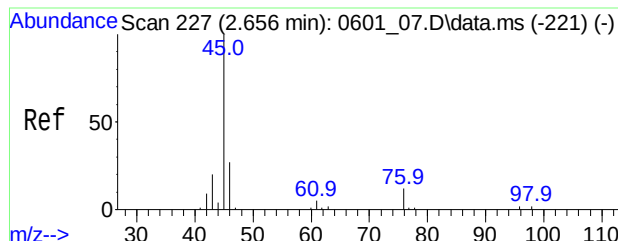
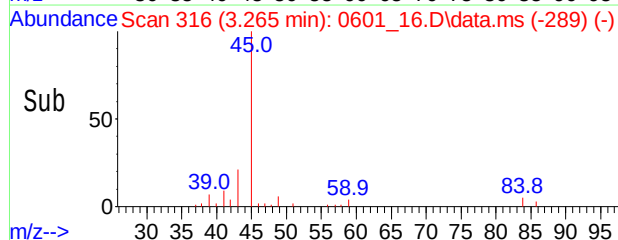
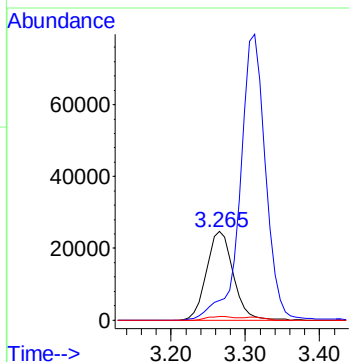
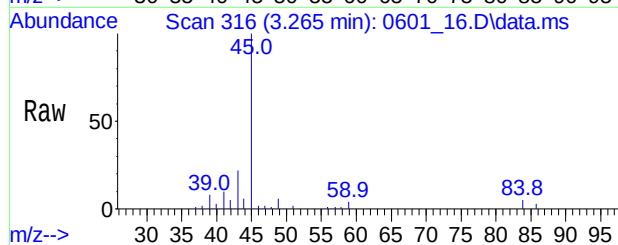
Tgt Ion: 101 Resp: 44203
Ion Ratio Lower Upper
101 100
103 65.6 55.4 83.2
66 12.2 11.4 17.0





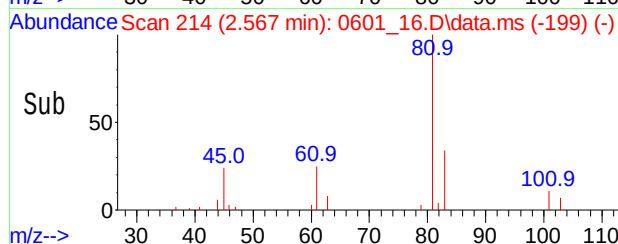
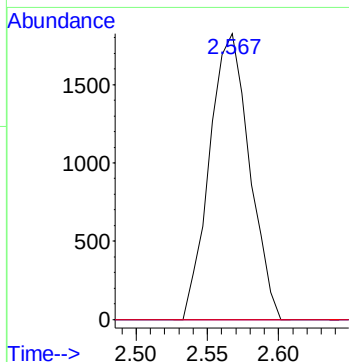
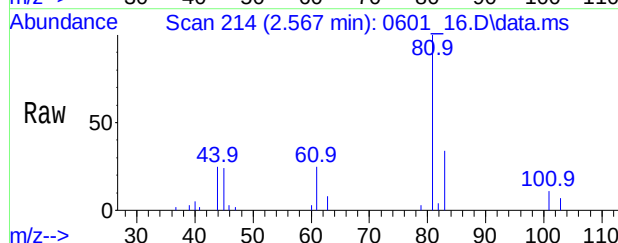
#14
Isopropylalcohol
Conc: 8\$ 1.726 ppbv
RT: 3.265 min Scan# 316
Delta R.T. -0.014 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

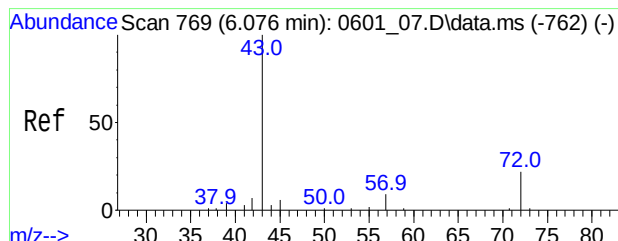
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	61820		
43	0.0	137.3	205.9#	
59	4.1	0.0	0.0#	



#16
1,1-Dichloroethene
Conc: 8\$ Below Cal
RT: 2.567 min Scan# 214
Delta R.T. -0.089 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

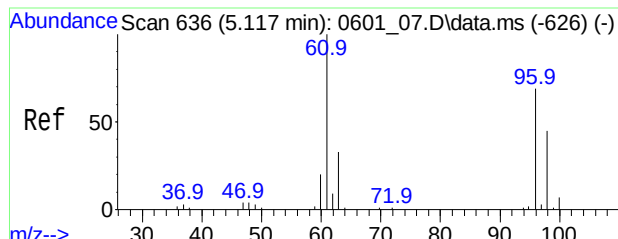
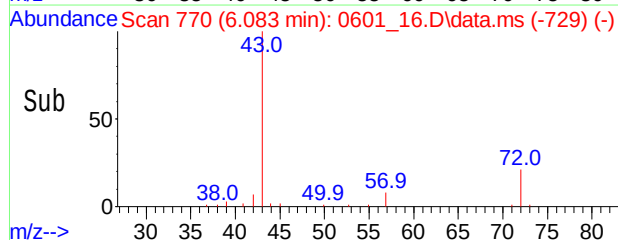
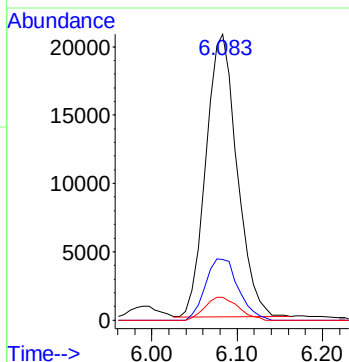
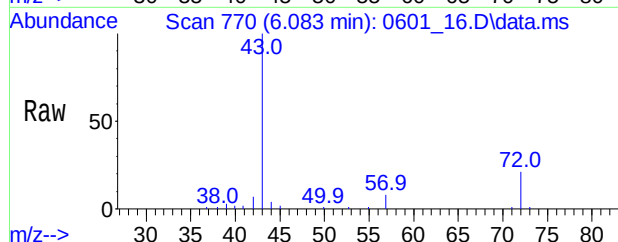
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	3566		
96	0.0	49.5	74.3#	
98	0.0	28.1	42.1#	





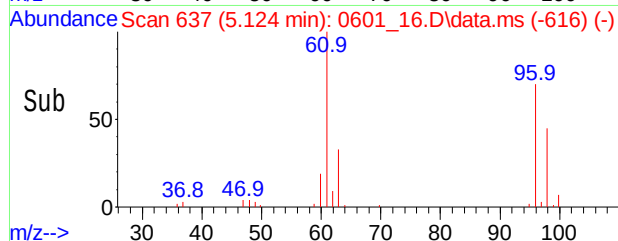
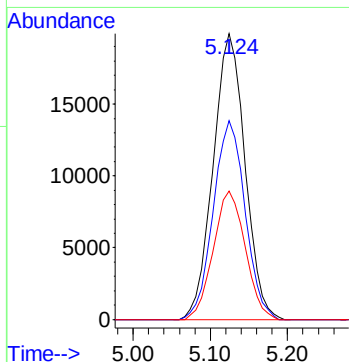
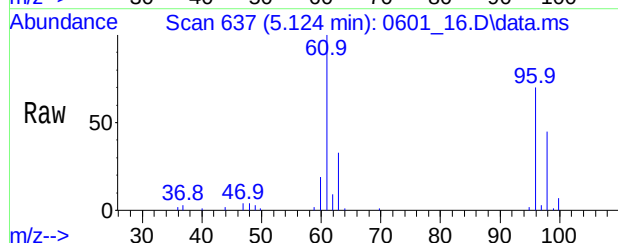
#25
Methyl Ethyl Ketone
Conc: 8\$ 1.232 ppbv
RT: 6.083 min Scan# 770
Delta R.T. -0.007 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

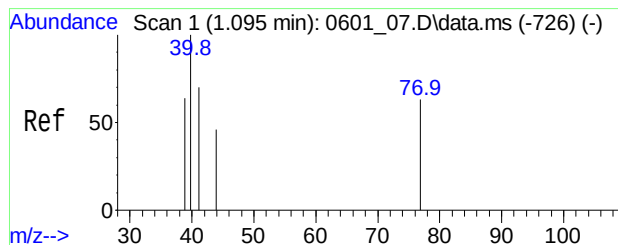
Tgt Ion: 43 Resp: 52377
Ion Ratio Lower Upper
43 100
72 22.8 12.6 19.0#
57 8.6 0.0 0.0#



#26
Cis-1,2-Dichloroethene
Conc: 8\$ 1.888 ppbv
RT: 5.124 min Scan# 637
Delta R.T. -0.001 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

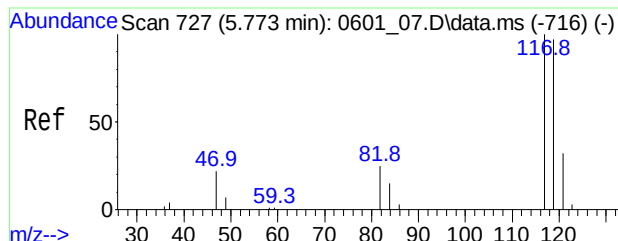
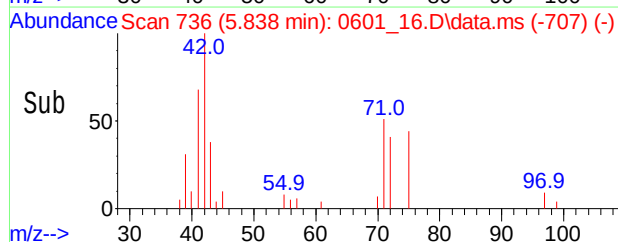
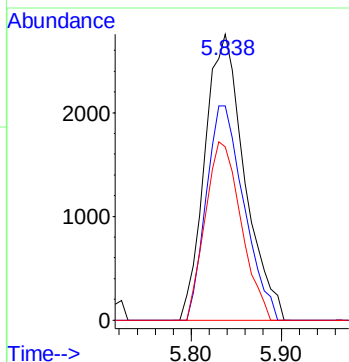
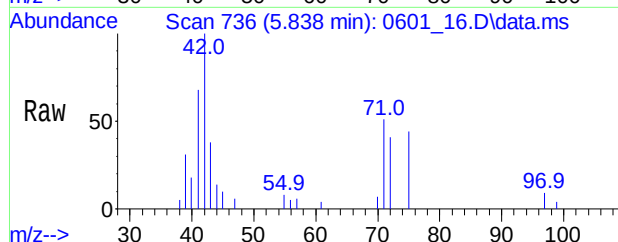
Tgt Ion: 61 Resp: 56933
Ion Ratio Lower Upper
61 100
96 69.5 58.4 87.6
98 45.1 33.0 49.4





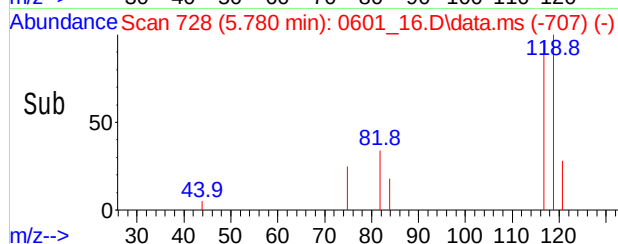
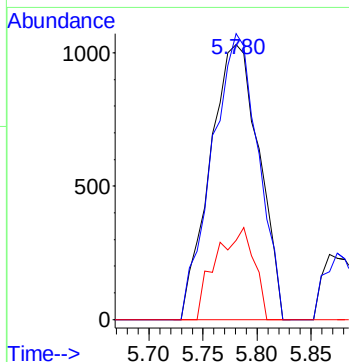
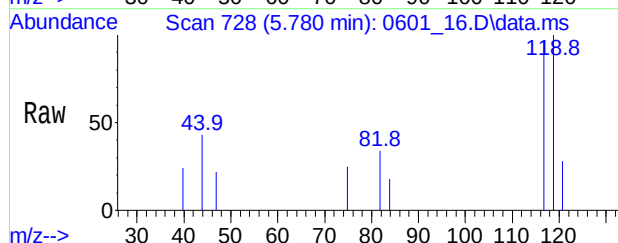
#30
Tetrahydrofuran
Conc: 8\$ 0.671 ppbv
RT: 5.838 min Scan# 736
Delta R.T. -0.094 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

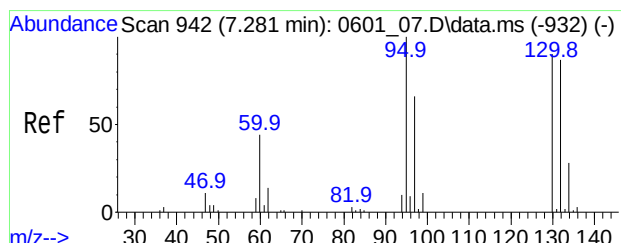
Tgt Ion: 41 Resp: 8407
Ion Ratio Lower Upper
41 100
71 71.3 0.0 0.0#
72 56.5 0.0 0.0#



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.780 min Scan# 728
Delta R.T. 0.000 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

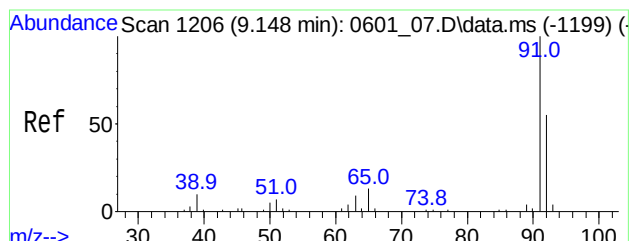
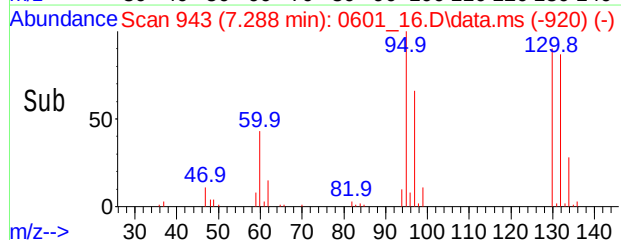
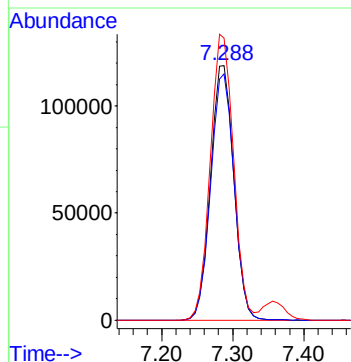
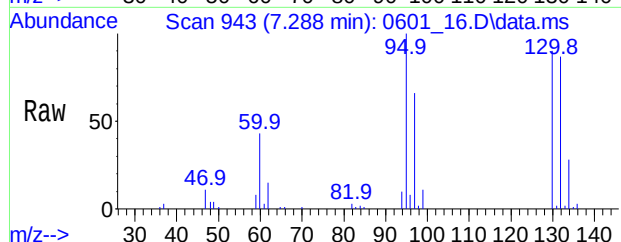
Tgt Ion: 117 Resp: 3253
Ion Ratio Lower Upper
117 100
119 98.0 75.0 115.0
121 26.1 6.8 46.8





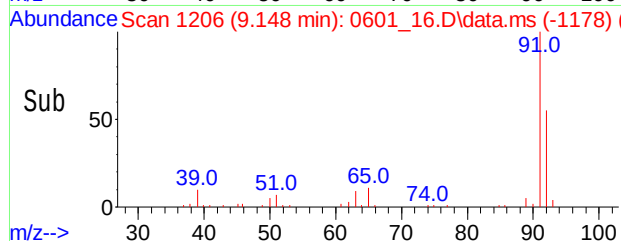
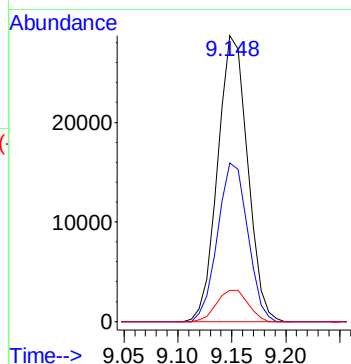
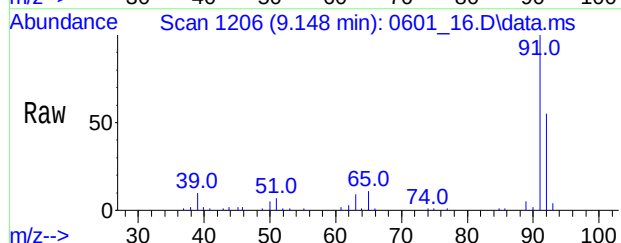
#39
Trichloroethene
Conc: 8\$ 9.384 ppbv
RT: 7.288 min Scan# 943
Delta R.T. 0.007 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

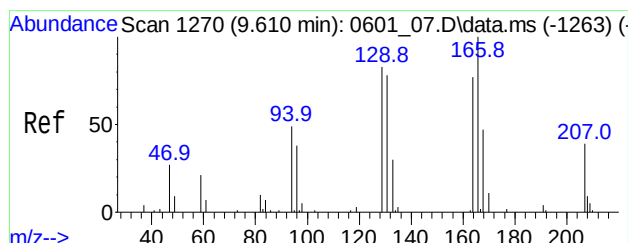
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	269193		
132	96.6	76.6	114.8	
95	112.0	89.6	134.4	



#48
Toluene
Conc: 8\$ 0.728 ppbv
RT: 9.148 min Scan# 1206
Delta R.T. 0.000 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

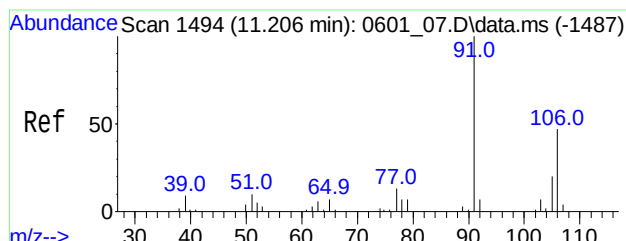
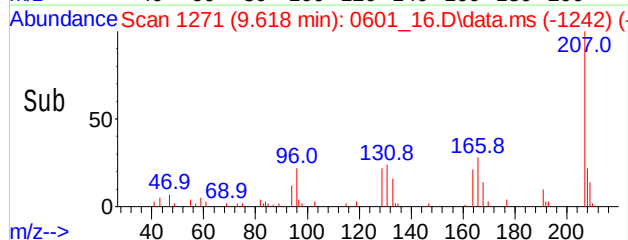
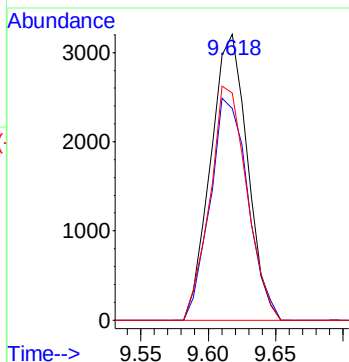
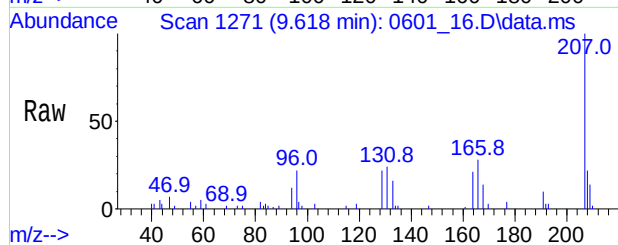
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	55141		
92	55.8	43.4	65.0	
65	11.5	8.2	12.4	





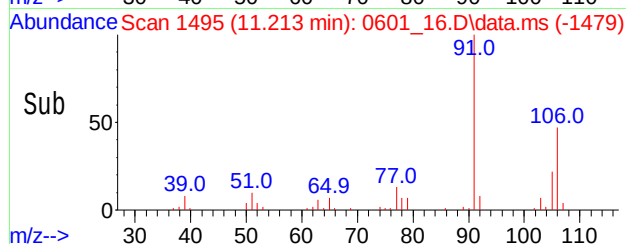
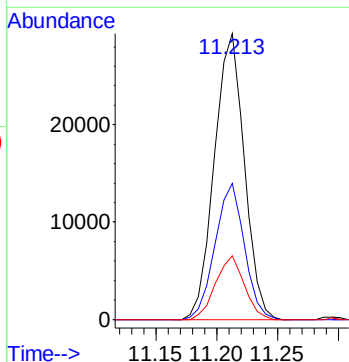
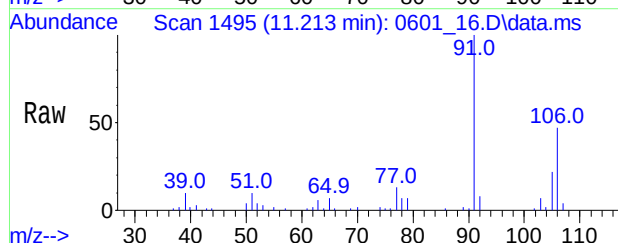
#52
Tetrachloroethene
Conc: 8\$ 0.169 ppbv
RT: 9.618 min Scan# 1271
Delta R.T. 0.008 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

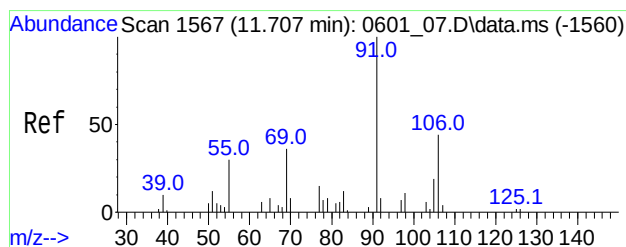
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	6072		
164	79.8	61.0	91.6	
129	82.3	63.7	95.5	



#57
m,p-Xylene
Conc: 8\$ 0.690 ppbv
RT: 11.213 min Scan# 1495
Delta R.T. 0.007 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

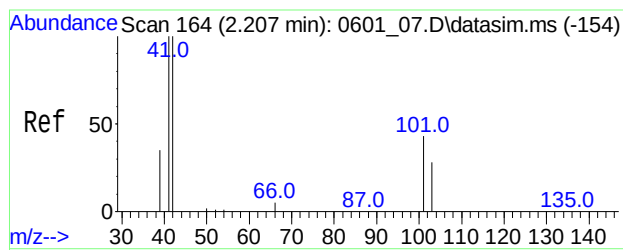
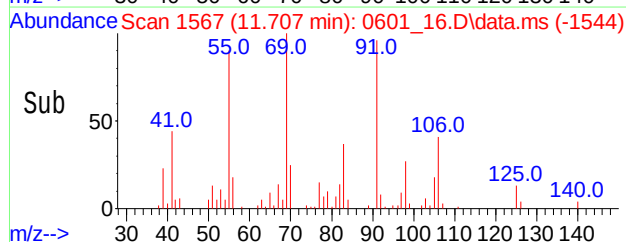
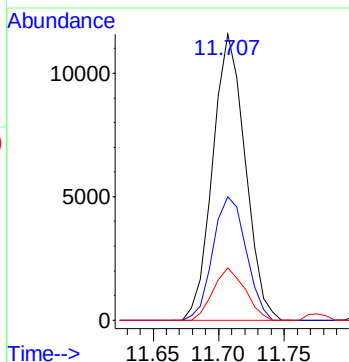
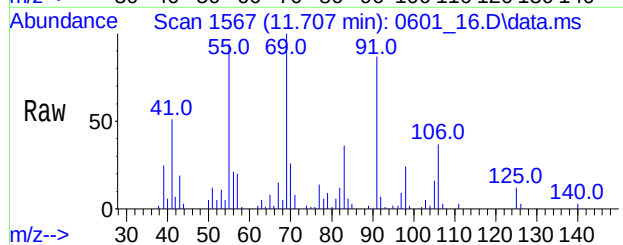
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	49649		
106	46.4	36.7	55.1	
105	21.3	16.9	25.3	





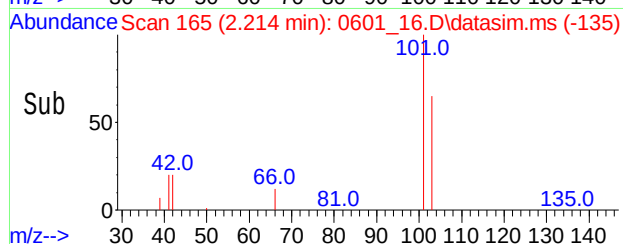
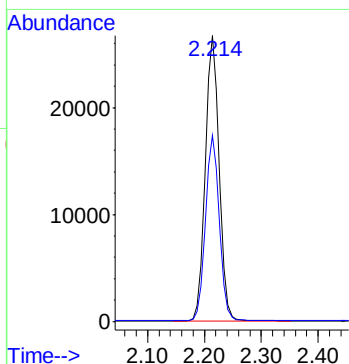
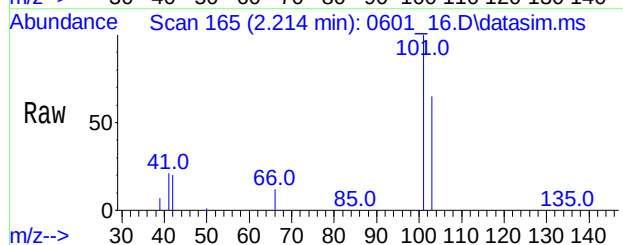
#61
o-Xylene
Conc: 8\$ 0.254 ppbv
RT: 11.707 min Scan# 1567
Delta R.T. 0.007 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

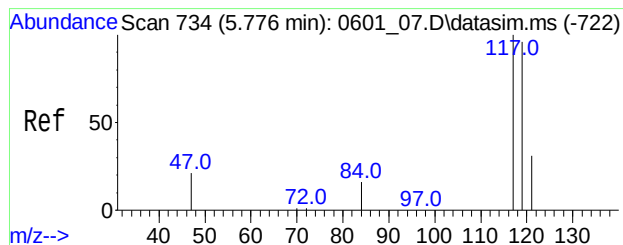
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	19721		
106	44.0	33.0	49.6	
105	17.9	14.6	22.0	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.858 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

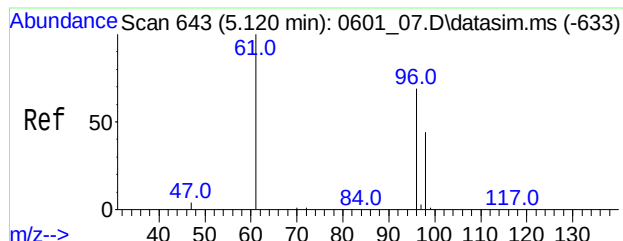
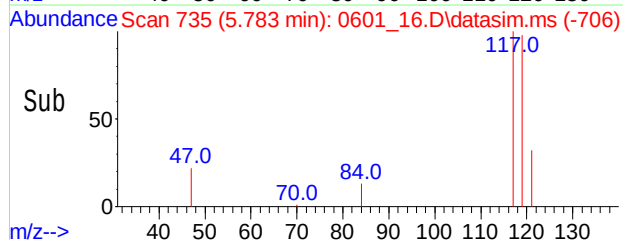
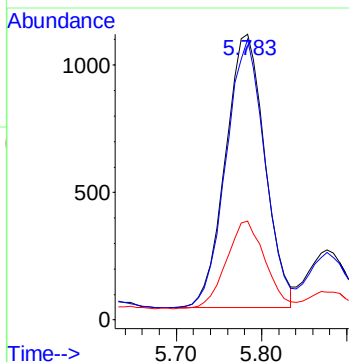
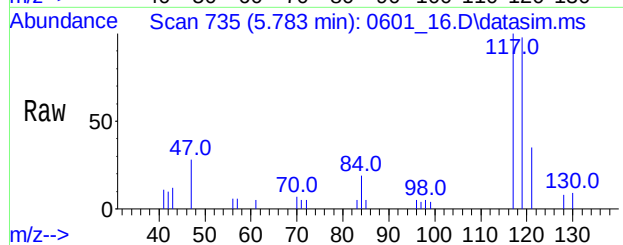
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	45624		
103	65.0	52.7	79.1	





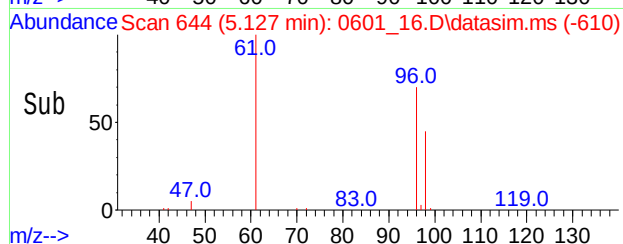
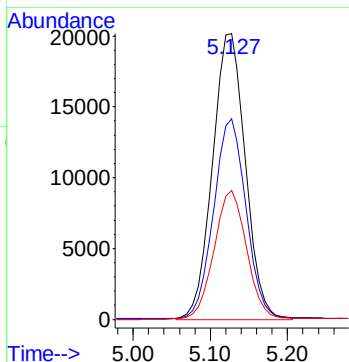
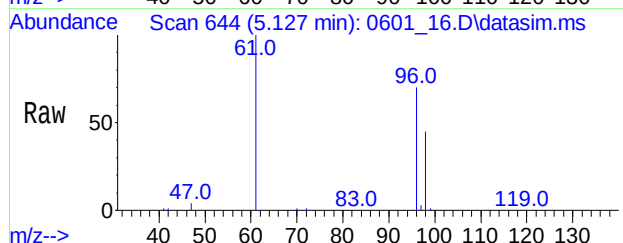
#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.080 ppbv
RT: 5.783 min Scan# 735
Delta R.T. 0.007 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

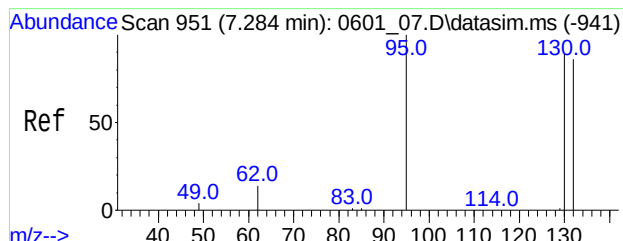
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3457		
119	96.8	76.6	115.0	
121	31.5	24.6	36.8	



#91
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 1.856 ppbv
RT: 5.124 min Scan# 644
Delta R.T. -0.001 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

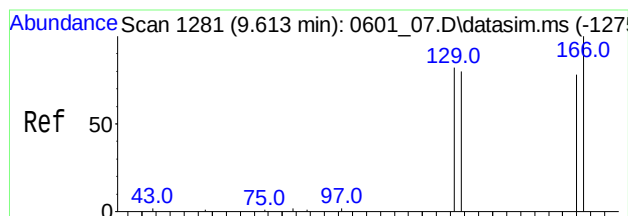
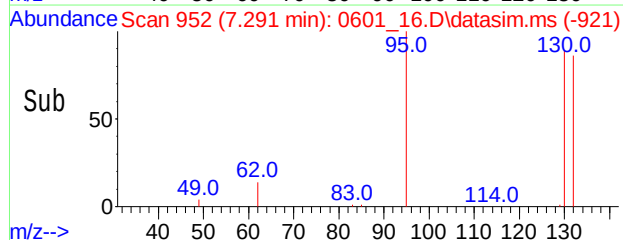
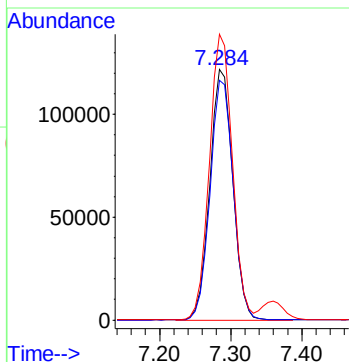
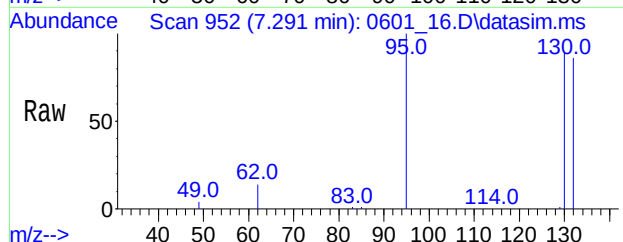
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	5693		
96	69.5	58.4	87.6	
98	45.1	33.0	49.4	





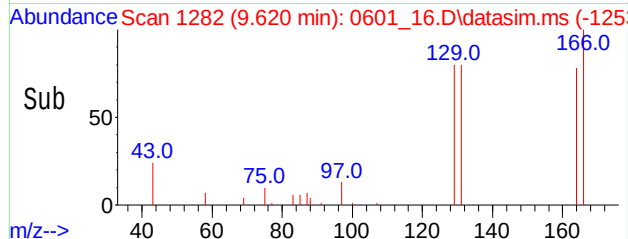
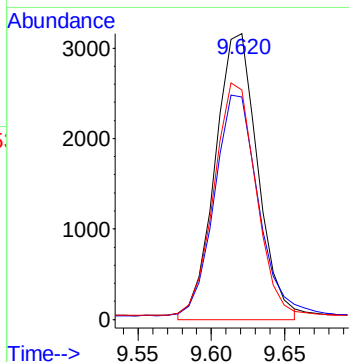
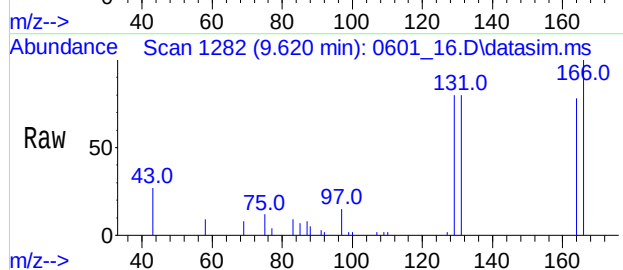
#97
Trichloroethene(sim)
Conc: 8\$ 9.168 ppbv
RT: 7.288 min Scan# 952
Delta R.T. 0.007 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

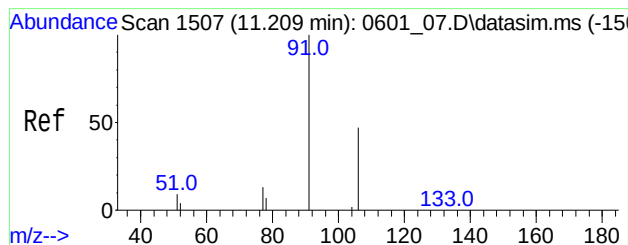
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	269193		
132	96.5	74.3	111.5	
95	112.0	89.6	134.4	



#103
Tetrachloroethene(sim)
Conc: 8\$ 0.166 ppbv
RT: 9.618 min Scan# 1282
Delta R.T. 0.008 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 3:09 pm

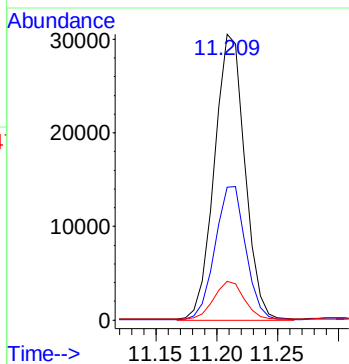
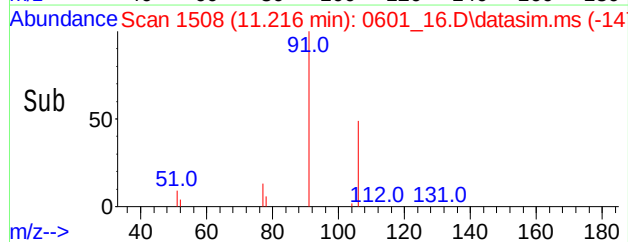
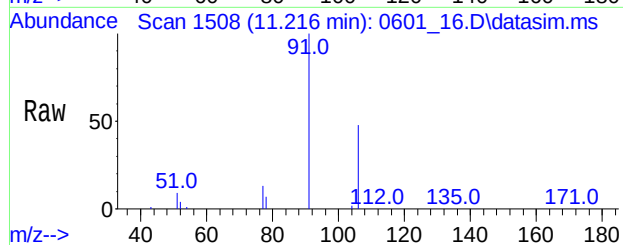
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	5998		
164	80.8	56.3	96.3	
129	83.3	59.6	99.6	





#107
 m,p-Xylene(sim)
 Conc: 8\$ 0.648 ppbv
 RT: 11.213 min Scan# 1508
 Delta R.T. 0.007 min
 Lab File: 0601_16.D
 Acq: 1 Jun 2020 3:09 pm

Tgt	Ion	Ratio	Resp	Lower	Upper
91	100				
106	46.4	41.3	50.5		
77	13.3	11.6	17.4		



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	EW-5
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03893</u>	
Canister:	<u>456</u>	Lab File ID:	<u>0601_17.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>	Date Received:
				<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.373		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	4.19	S	0.531	0.531	r
67-64-1	Acetone	1.25	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.313		0.178	0.178	r
67-63-0	Isopropylalcohol	0.785	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	0.369		0.051	0.051	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
79-01-6	Trichloroethene	7.55		0.037	0.037	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.445		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	EW-5
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03893</u>	
Canister:	<u>456</u>	Lab File ID:	<u>0601_17.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>	Date Received: <u>06/01/20</u>
Purge Volume	<u>200</u> (cc)			Date Analyzed: <u>06/01/20</u>
Matrix:	<u>AIR</u>		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.091		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.127		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.289		0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_17.D
 Acq On : 1 Jun 2020 3:45 pm
 Operator : Keith
 Client ID : EW-5
 Lab ID : CG03893
 ALS Vial : 147 Sample Multiplier: 1

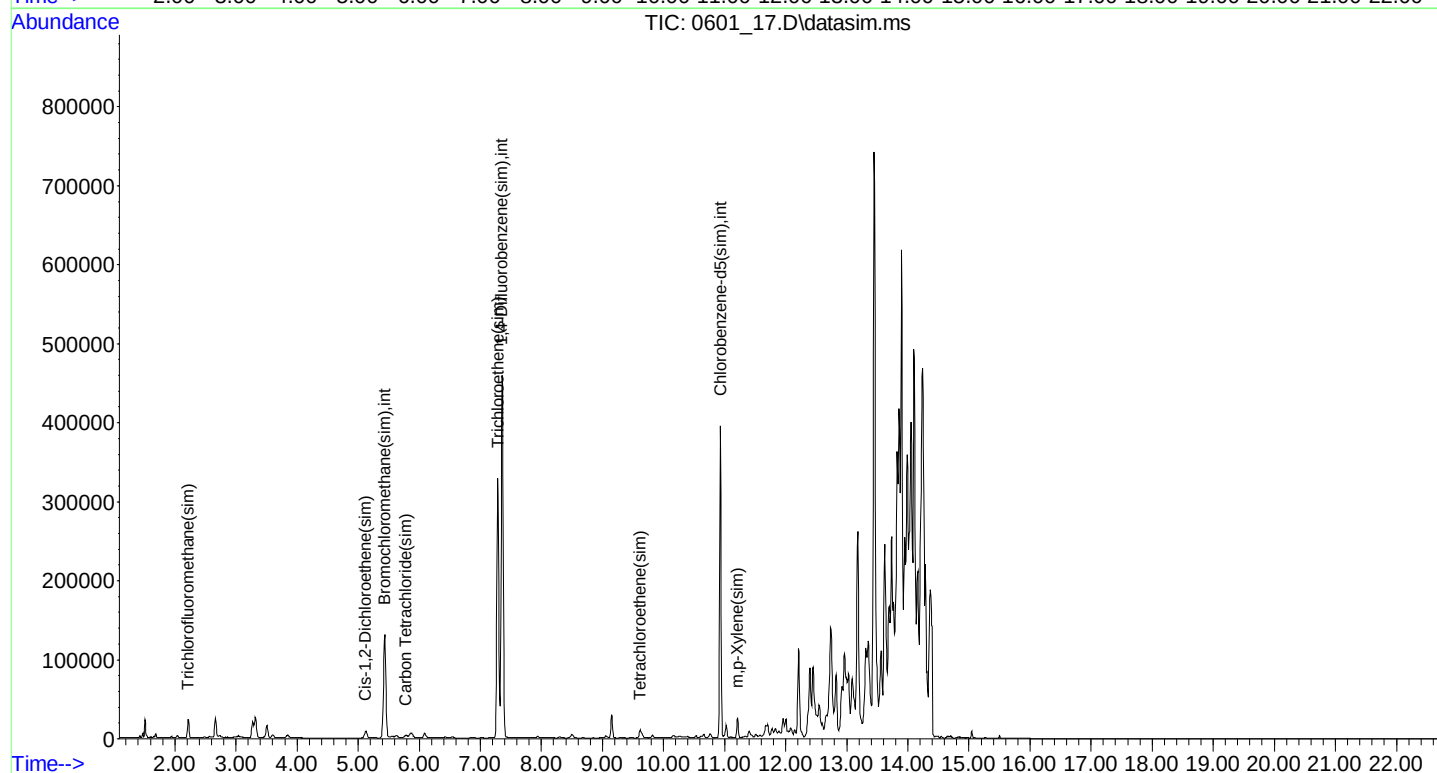
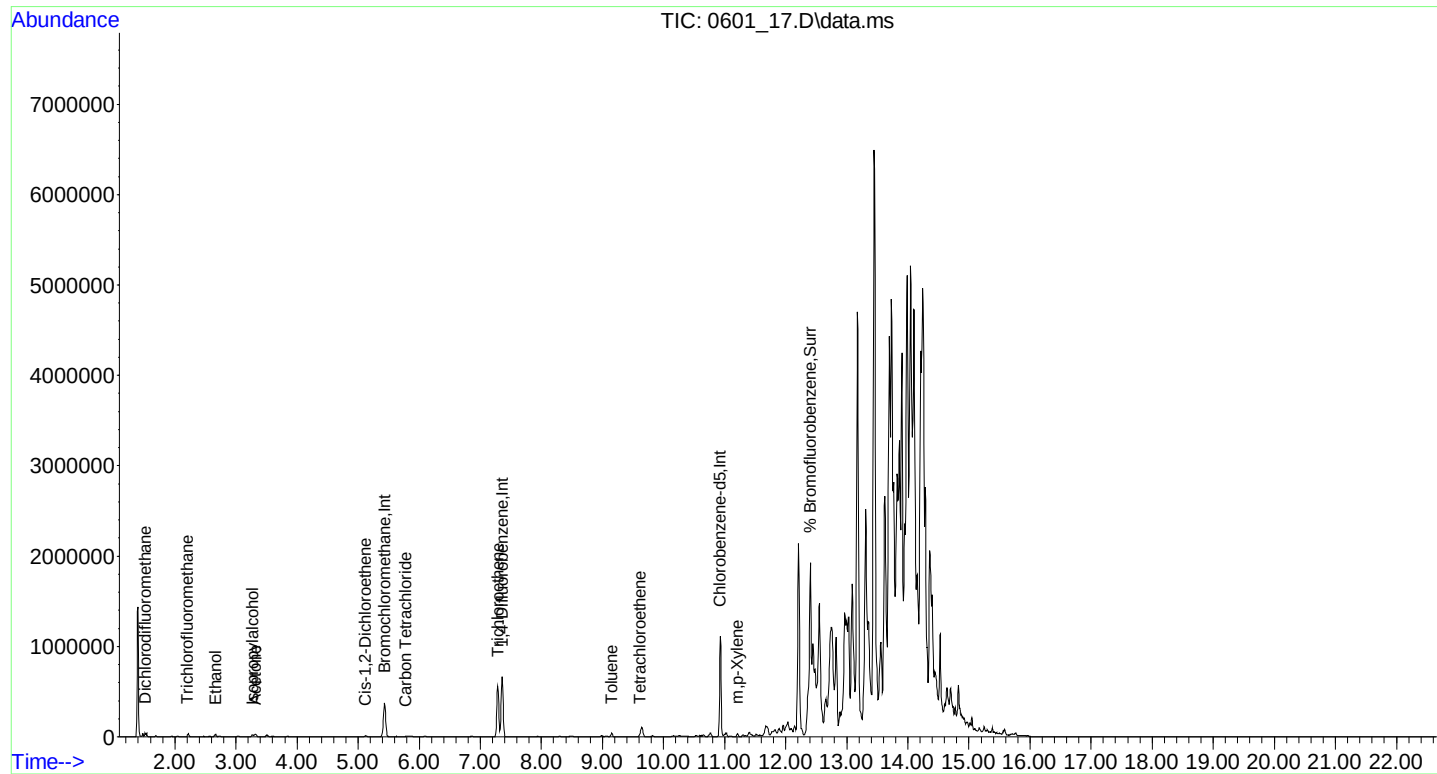
Quant Time: Jun 02 08:01:43 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

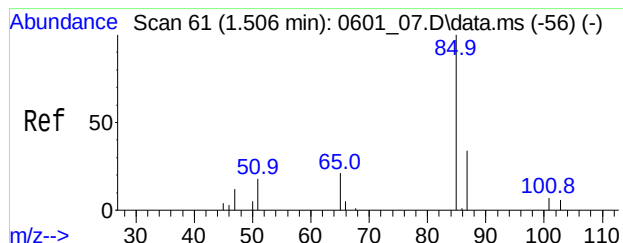
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.432	130	189430	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.361	114	668163	10.000	ng	0.00
53) Chlorobenzene-d5	10.929	82	358005	10.000	ng	0.00
80) Bromochloromethane(sim)	5.435	130	186036	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.357	114	720995	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.932	82	379982	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.402	95	479111	9.872	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.70%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.513	85	15024	0.373	ppbv	99
10) Ethanol	2.663	45	27121	4.194	ppbv#	78
12) Acetone	3.320	43	44781	1.252	ppbv#	83
13) Trichlorofluoromethane	2.211	101	14959	0.313	ppbv	95
14) Isopropylalcohol	3.279	45	27865	0.785	ppbv	92
26) Cis-1,2-Dichloroethene	5.122	61	11036	0.369	ppbv	95
34) Carbon Tetrachloride	5.785	117	3764	0.086	ppbv	95
39) Trichloroethene	7.285	130	214208	7.552	ppbv	99
48) Toluene	9.153	91	33291	0.445	ppbv	98
52) Tetrachloroethene	9.615	166	4540	0.128	ppbv#	86
57) m,p-Xylene	11.210	91	21970	0.308	ppbv	99
84) Trichlorofluoromethane...	2.214	101	15469	0.294	ppbv	100
86) Carbon Tetrachloride(sim)	5.781	117	3891	0.090	ppbv	99
91) Cis-1,2-Dichloroethene...	5.122	61	11036	0.363	ppbv	95
97) Trichloroethene(sim)	7.285	130	214130	7.365	ppbv	98
103) Tetrachloroethene(sim)	9.615	166	4540	0.127	ppbv	86
107) m,p-Xylene(sim)	11.210	91	21970	0.289	ppbv	98

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_17.D
Acq On : 1 Jun 2020 3:45 pm
Operator : Keith
Client ID : EW-5
Lab ID : CG03893
ALS Vial : 147 Sample Multiplier: 1

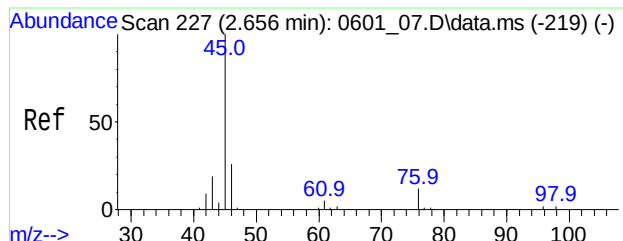
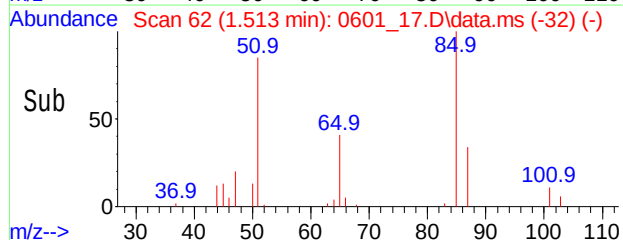
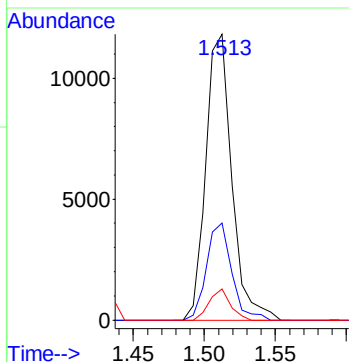
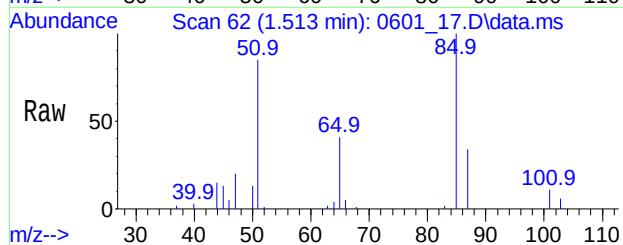
Quant Time: Jun 02 08:01:43 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





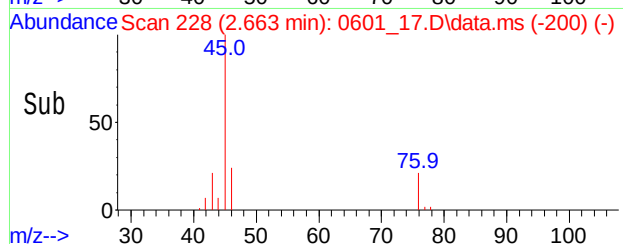
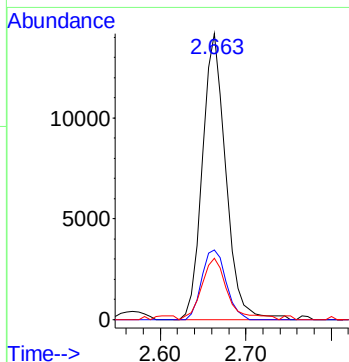
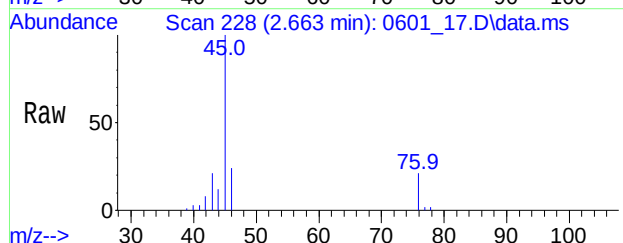
#3
Dichlorodifluoromethane
Conc: 8\$ 0.373 ppbv
RT: 1.513 min Scan# 62
Delta R.T. 0.007 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

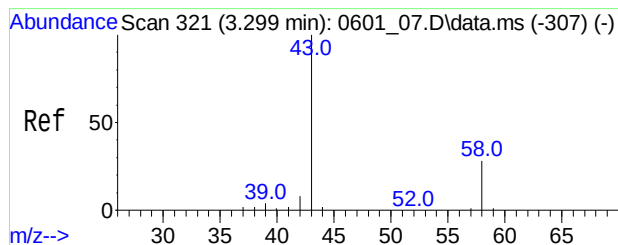
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	15024		
87	32.7	26.2		39.4
101	8.9	6.2		9.4



#10
Ethanol
Conc: 8\$ 4.194 ppbv
RT: 2.663 min Scan# 228
Delta R.T. 0.000 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

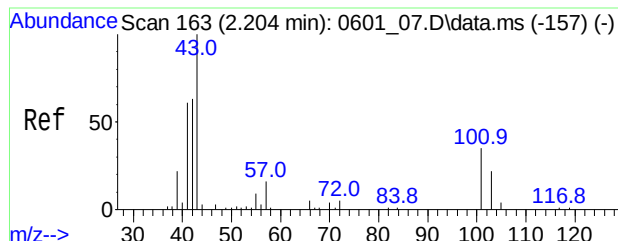
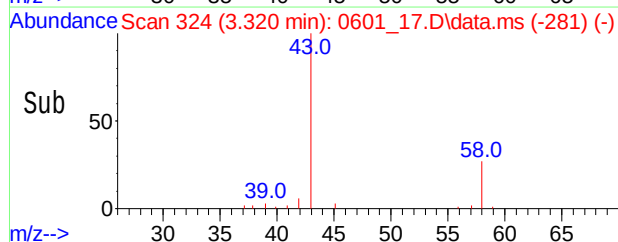
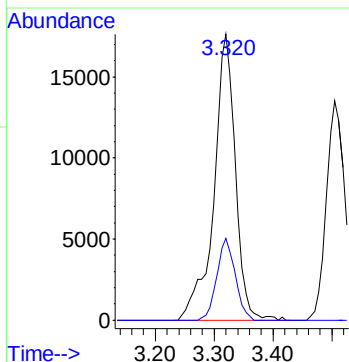
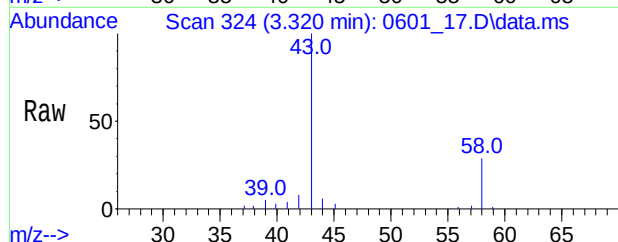
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	27121		
46	25.2	0.0		0.0#
43	23.5	29.3		43.9#





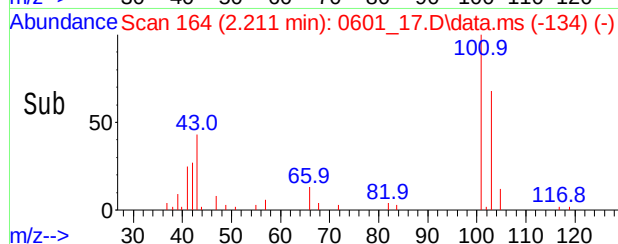
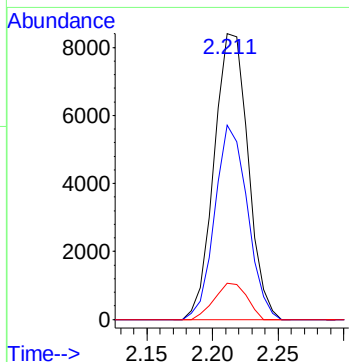
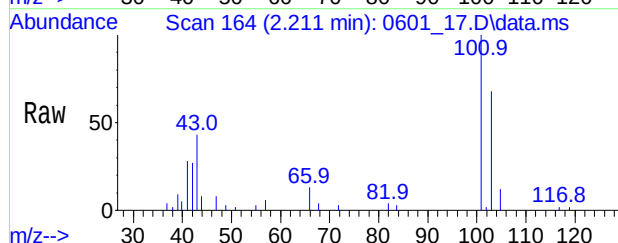
#12
Acetone
Conc: 8\$ 1.252 ppbv
RT: 3.320 min Scan# 324
Delta R.T. -0.007 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

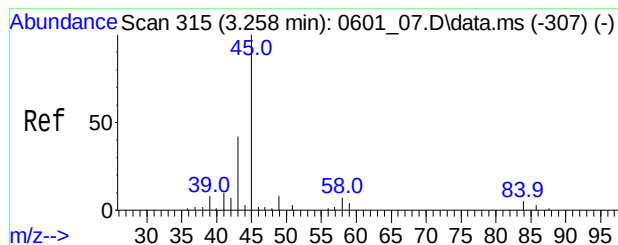
Tgt Ion: 43 Resp: 44781
Ion Ratio Lower Upper
43 100
58 24.4 13.8 20.6#



#13
Trichlorofluoromethane
Conc: 8\$ 0.313 ppbv
RT: 2.211 min Scan# 164
Delta R.T. 0.007 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

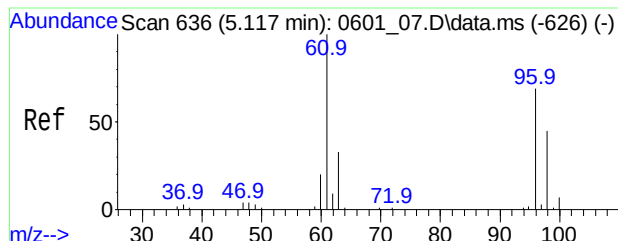
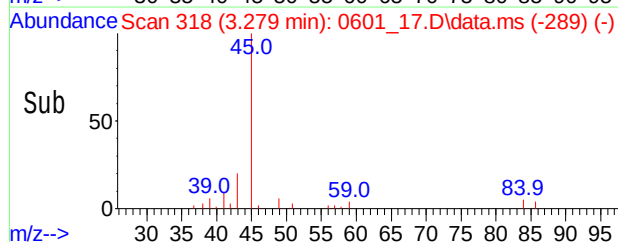
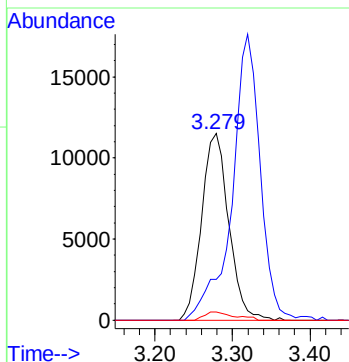
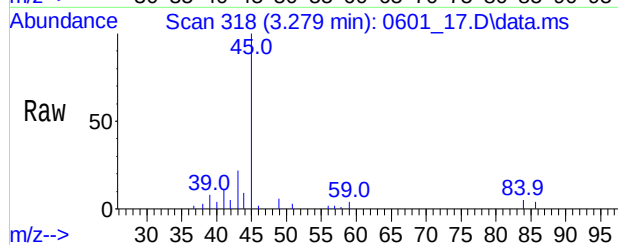
Tgt Ion: 101 Resp: 14959
Ion Ratio Lower Upper
101 100
103 65.5 55.4 83.2
66 12.2 11.4 17.0





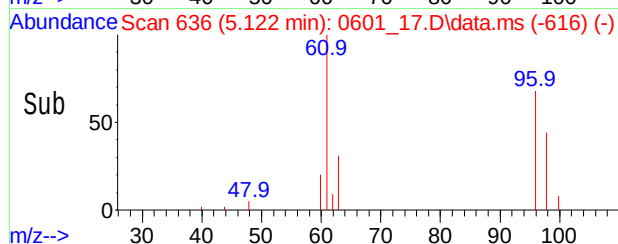
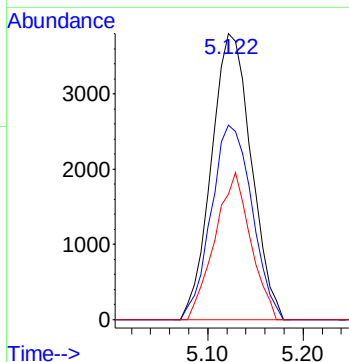
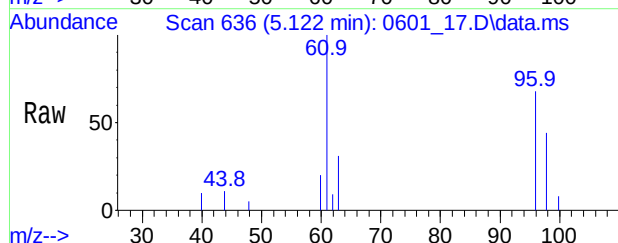
#14
Isopropylalcohol
Conc: 8\$ 0.785 ppbv
RT: 3.279 min Scan# 318
Delta R.T. -0.000 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

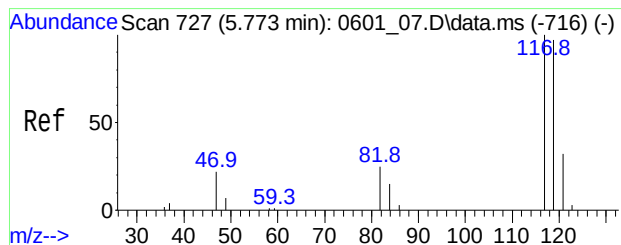
Tgt Ion: 45 Resp: 27865
Ion Ratio Lower Upper
45 100
43 160.7 137.3 205.9
59 4.7 0.0 0.0#



#26
Cis-1,2-Dichloroethene
Conc: 8\$ 0.369 ppbv
RT: 5.122 min Scan# 636
Delta R.T. -0.003 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

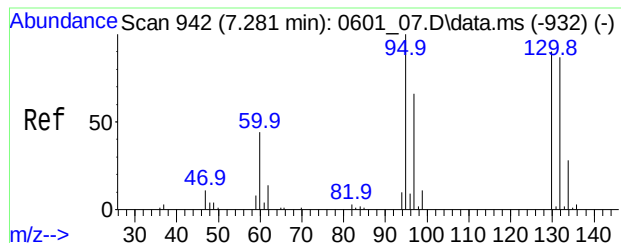
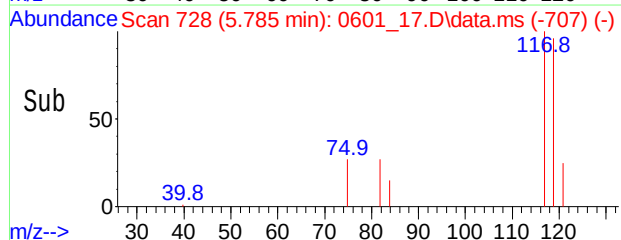
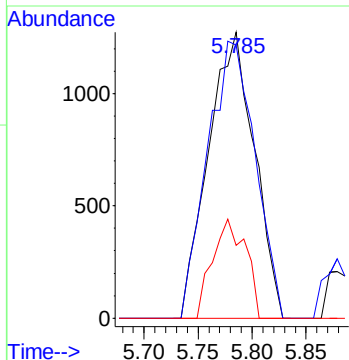
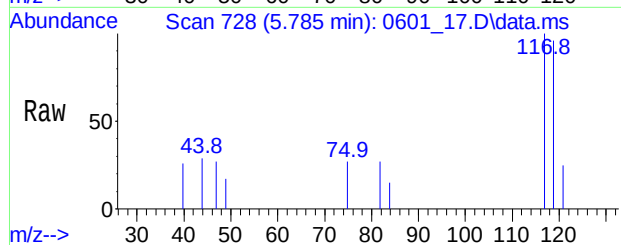
Tgt Ion: 61 Resp: 11036
Ion Ratio Lower Upper
61 100
96 69.7 58.4 87.6
98 46.0 33.0 49.4





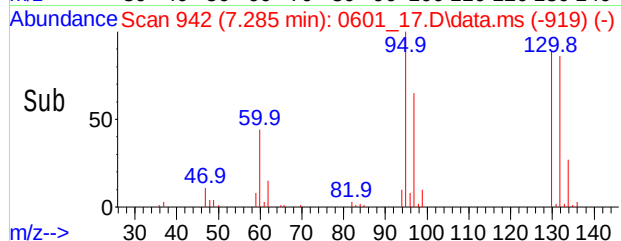
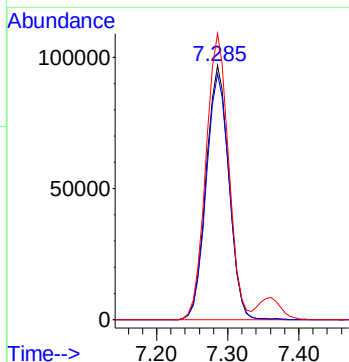
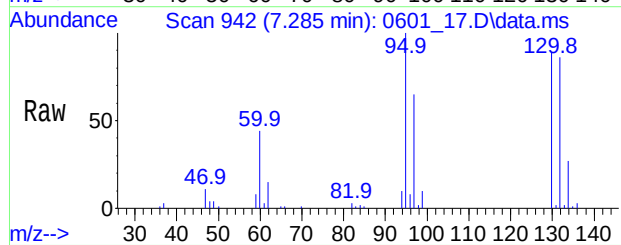
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.785 min Scan# 728
Delta R.T. 0.005 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

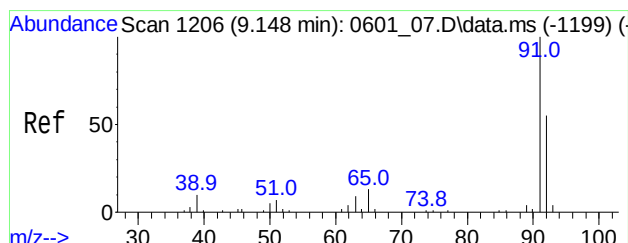
Tgt Ion: 117 Resp: 3764
Ion Ratio Lower Upper
117 100
119 100.2 75.0 115.0
121 24.9 6.8 46.8



#39
Trichloroethene
Conc: 8\$ 7.552 ppbv
RT: 7.285 min Scan# 942
Delta R.T. 0.004 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

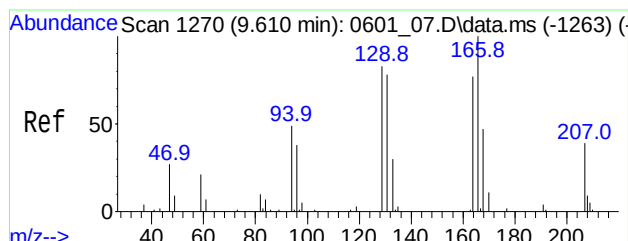
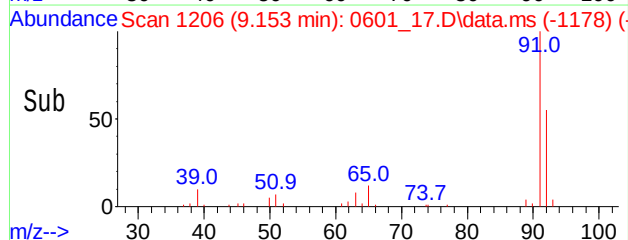
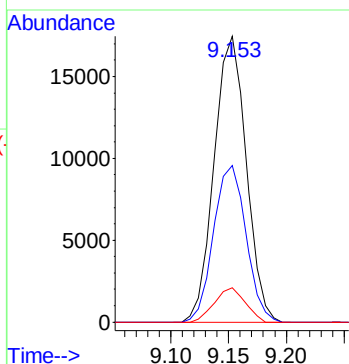
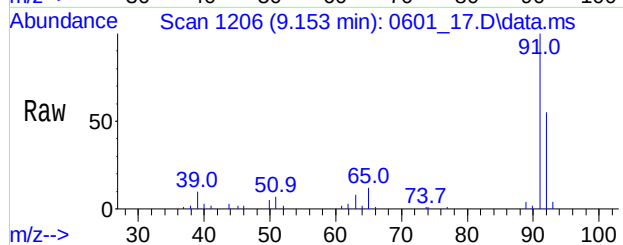
Tgt Ion: 130 Resp: 214208
Ion Ratio Lower Upper
130 100
132 97.2 76.6 114.8
95 112.4 89.6 134.4





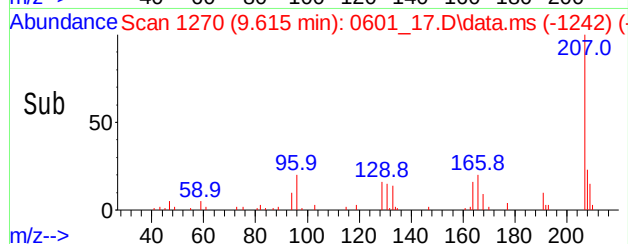
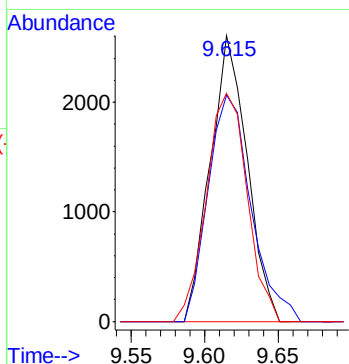
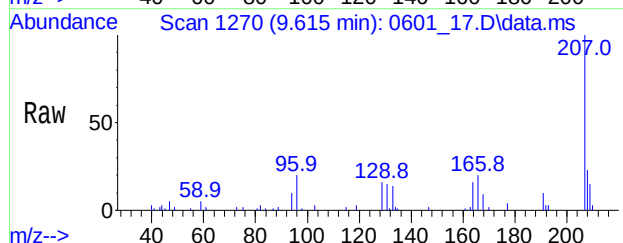
#48
Toluene
Conc: 8\$ 0.445 ppbv
RT: 9.153 min Scan# 1206
Delta R.T. 0.005 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

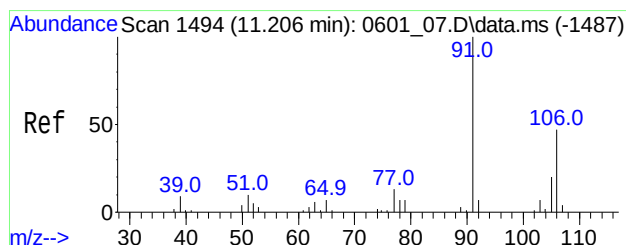
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	33291		
92	55.5	43.4	65.0	
65	11.5	8.2	12.4	



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 9.615 min Scan# 1270
Delta R.T. 0.005 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

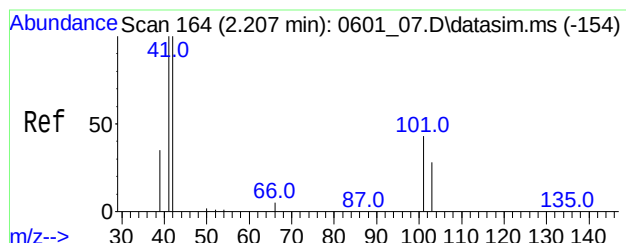
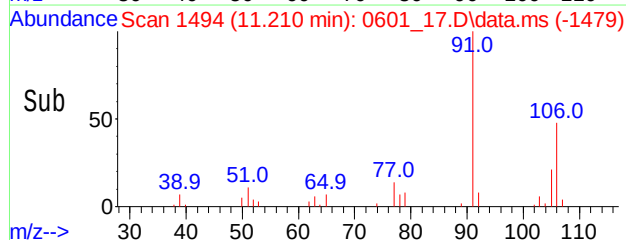
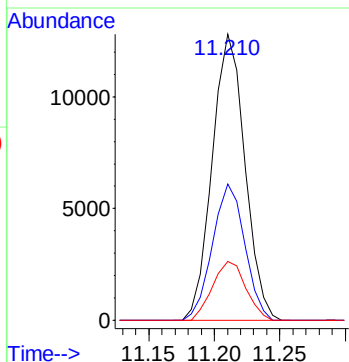
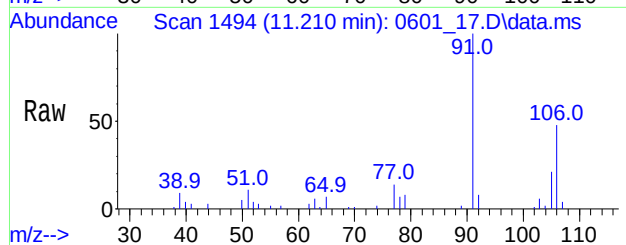
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	4540		
164	92.4	61.0	91.6#	
129	88.4	63.7	95.5	





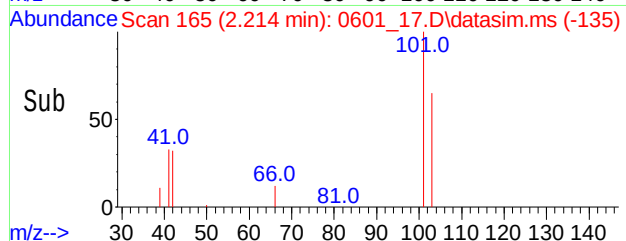
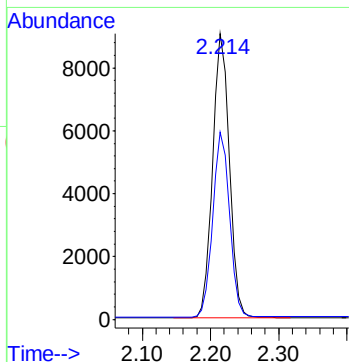
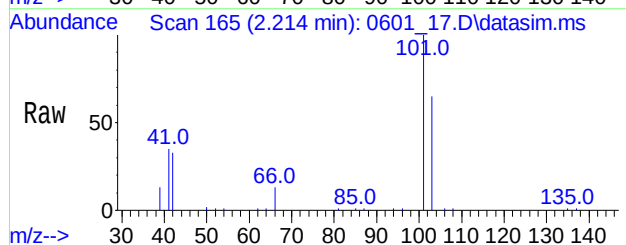
#57
m,p-Xylene
Conc: 8\$ 0.308 ppbv
RT: 11.210 min Scan# 1494
Delta R.T. 0.004 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

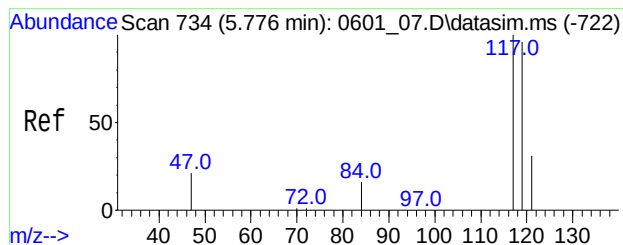
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	21970		
106	47.0	36.7	55.1	
105	20.8	16.9	25.3	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.294 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

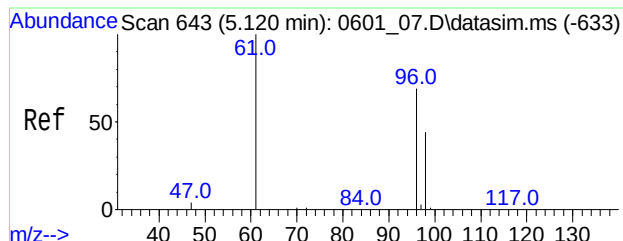
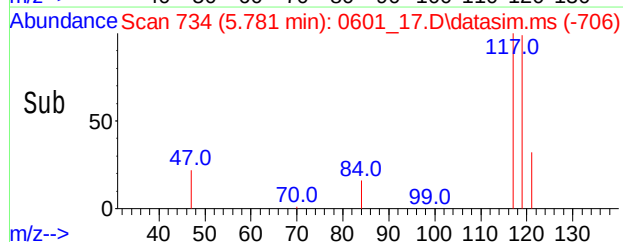
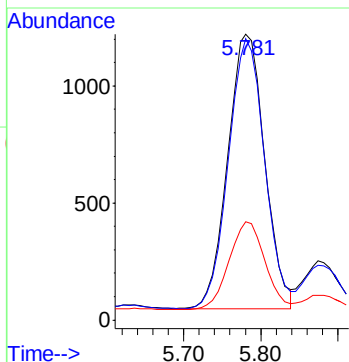
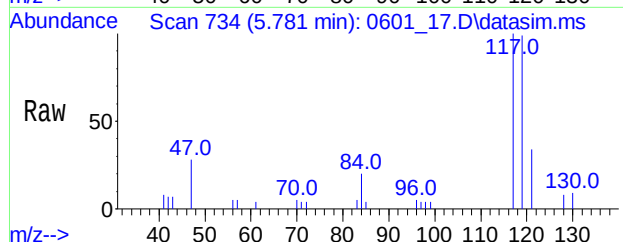
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	15469		
103	65.7	52.7	79.1	





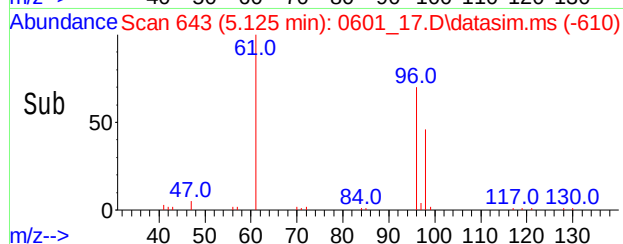
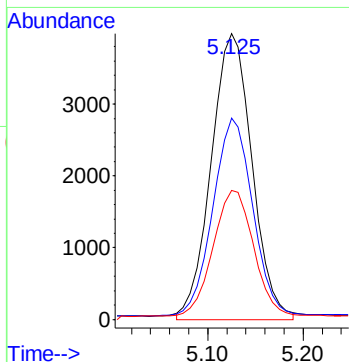
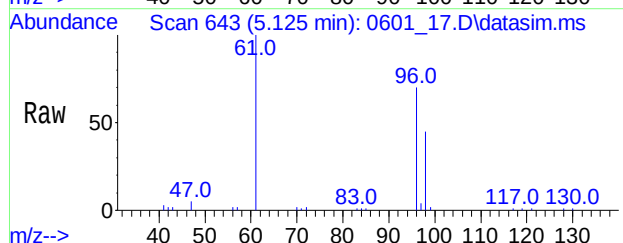
#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.090 ppbv
RT: 5.781 min Scan# 734
Delta R.T. 0.005 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

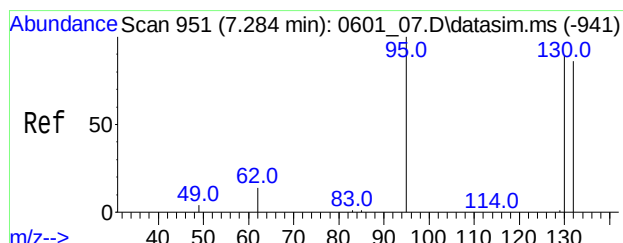
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3891		
119	96.2	76.6	115.0	
121	31.1	24.6	36.8	



#91
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 0.363 ppbv
RT: 5.122 min Scan# 643
Delta R.T. -0.003 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 3:45 pm

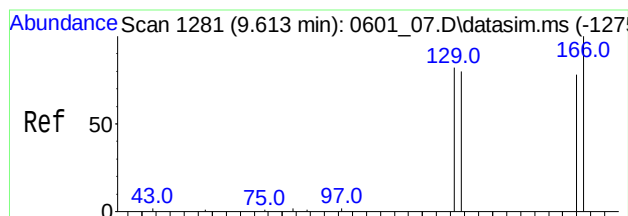
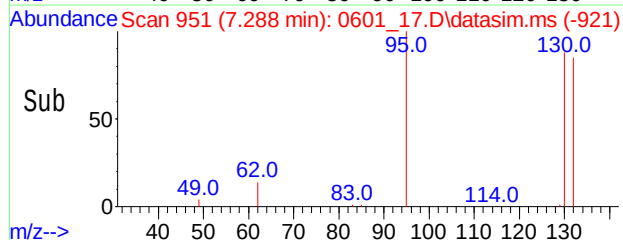
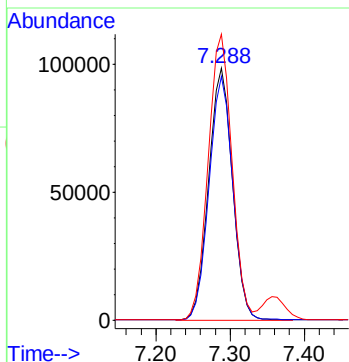
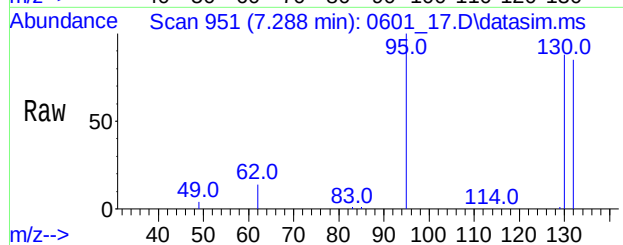
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	11036		
96	69.7	58.4	87.6	
98	46.0	33.0	49.4	





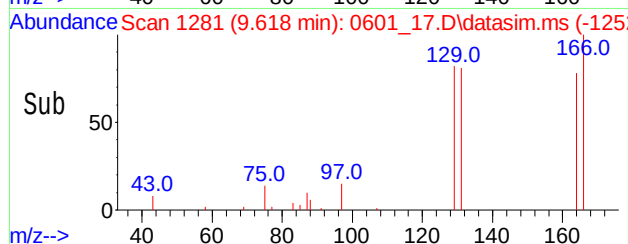
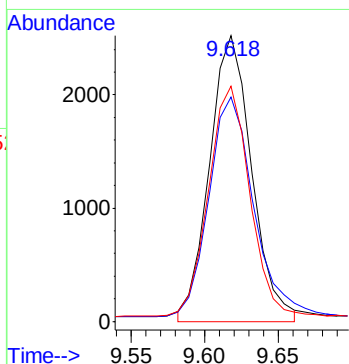
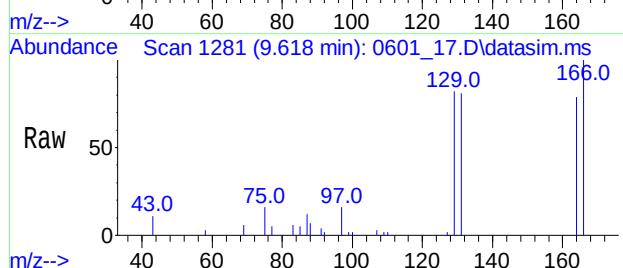
#97
 Trichloroethene(sim)
 Conc: 8\$ 7.365 ppbv
 RT: 7.285 min Scan# 951
 Delta R.T. 0.004 min
 Lab File: 0601_17.D
 Acq: 1 Jun 2020 3:45 pm

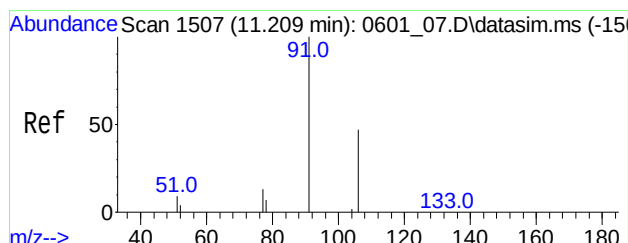
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	214130		
132	97.2	74.3	111.5	
95	112.5	89.6	134.4	



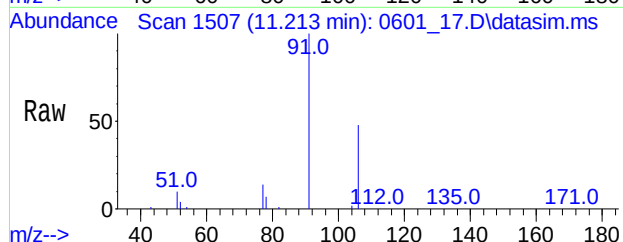
#103
 Tetrachloroethene(sim)
 Conc: 8\$ 0.127 ppbv
 RT: 9.615 min Scan# 1281
 Delta R.T. 0.005 min
 Lab File: 0601_17.D
 Acq: 1 Jun 2020 3:45 pm

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	4540		
164	92.4	56.3	96.3	
129	88.4	59.6	99.6	

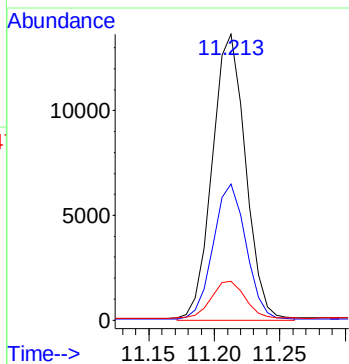
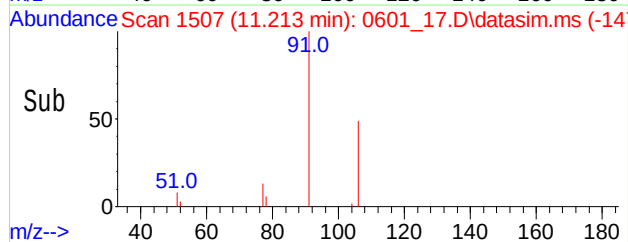




#107
 m,p-Xylene(sim)
 Conc: 8\$ 0.289 ppbv
 RT: 11.210 min Scan# 1507
 Delta R.T. 0.004 min
 Lab File: 0601_17.D
 Acq: 1 Jun 2020 3:45 pm



Tgt Ion	Ratio	Resp	Lower	Upper
91	100	21970		
106	47.0	41.3	50.5	
77	13.6	11.6	17.4	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	EW-5D
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03894</u>	
Canister:	<u>21320</u>	Lab File ID:	<u>0601_18.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>	Date Received:
				<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.385		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	6.40	S	0.531	0.531	r
67-64-1	Acetone	1.29	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.324		0.178	0.178	r
67-63-0	Isopropylalcohol	0.548	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	0.374		0.051	0.051	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
79-01-6	Trichloroethene	7.57		0.037	0.037	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.348		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03894</u>
Canister:	<u>21320</u>	Lab File ID:	<u>0601_18.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>
		Date Received:	<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.095		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.132		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.297		0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_18.D
 Acq On : 1 Jun 2020 4:22 pm
 Operator : Keith
 Client ID : EW-5D
 Lab ID : CG03894
 ALS Vial : 148 Sample Multiplier: 1

Quant Time: Jun 02 08:05:34 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

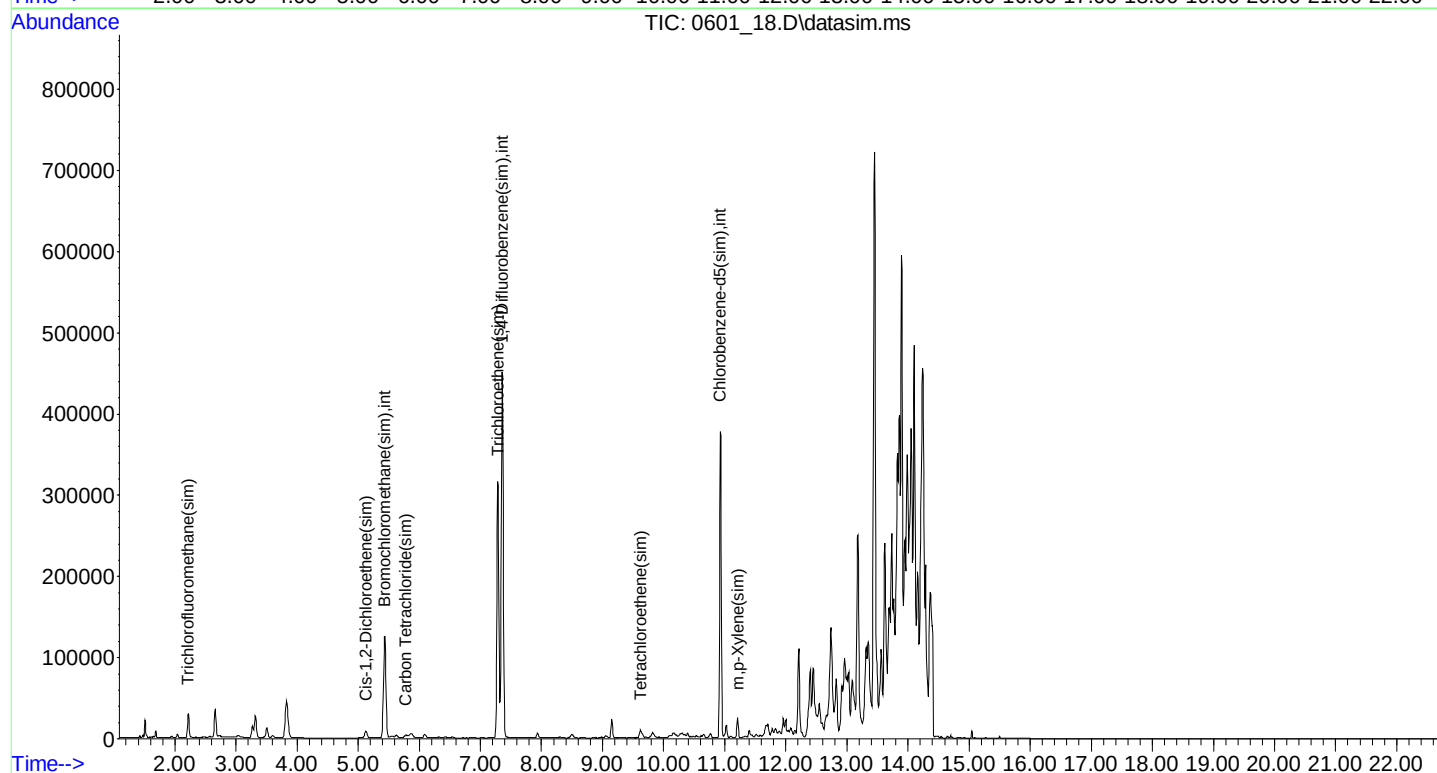
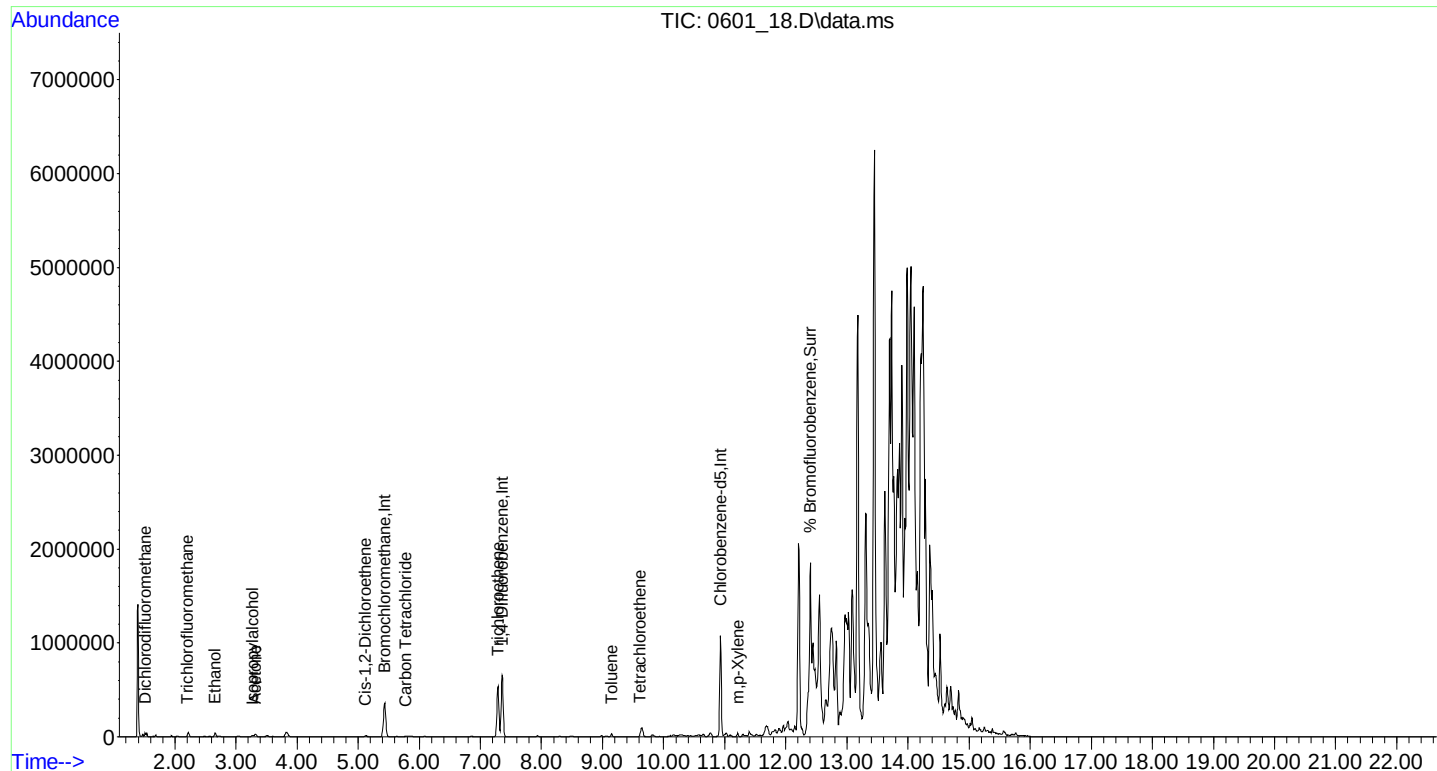
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.434	130	183275	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.356	114	651668	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	349525	10.000	ng	0.00
80) Bromochloromethane(sim)	5.437	130	180320	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	700862	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	367949	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.404	95	465604	9.827	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.30%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.512	85	14997	0.385	ppbv	98
10) Ethanol	2.656	45	40051	6.401	ppbv#	79
12) Acetone	3.320	43	44599	1.289	ppbv#	81
13) Trichlorofluoromethane	2.211	101	14999	0.324	ppbv	94
14) Isopropylalcohol	3.272	45	18814	0.548	ppbv#	52
26) Cis-1,2-Dichloroethene	5.124	61	10826	0.374	ppbv	97
34) Carbon Tetrachloride	5.780	117	4010	0.094	ppbv	97
39) Trichloroethene	7.288	130	209435	7.571	ppbv	99
48) Toluene	9.148	91	25439	0.348	ppbv	98
52) Tetrachloroethene	9.618	166	4569	0.132	ppbv	95
57) m,p-Xylene	11.213	91	21911	0.315	ppbv	99
84) Trichlorofluoromethane...	2.214	101	15532	0.304	ppbv	99
86) Carbon Tetrachloride(sim)	5.783	117	3973	0.095	ppbv	100
91) Cis-1,2-Dichloroethene...	5.124	61	10826	0.368	ppbv	97
97) Trichloroethene(sim)	7.288	130	209435	7.411	ppbv	98
103) Tetrachloroethene(sim)	9.618	166	4569	0.132	ppbv	94
107) m,p-Xylene(sim)	11.213	91	21911	0.297	ppbv	99

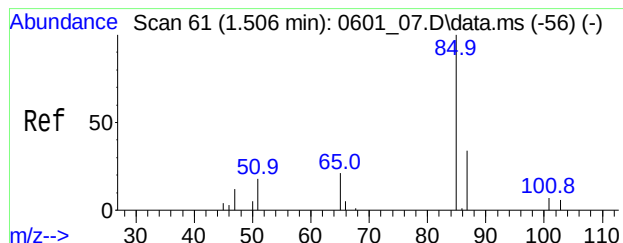
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_18.D
 Acq On : 1 Jun 2020 4:22 pm
 Operator : Keith
 Client ID : EW-5D
 Lab ID : CG03894
 ALS Vial : 148 Sample Multiplier: 1

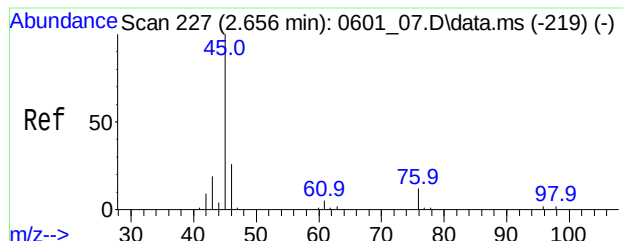
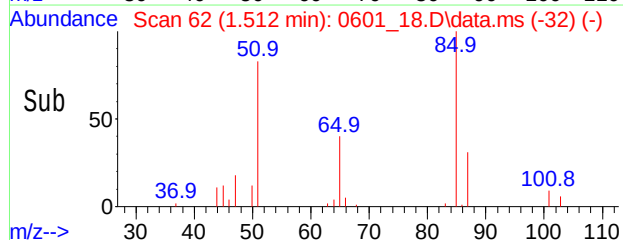
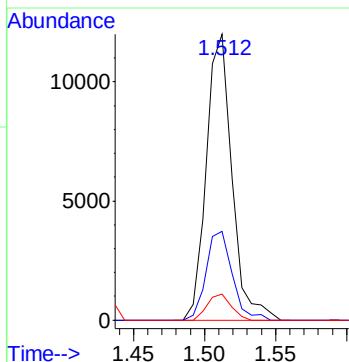
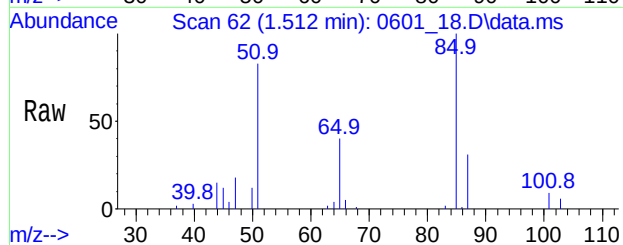
Quant Time: Jun 02 08:05:34 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration





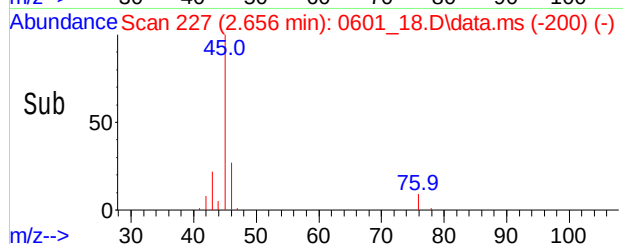
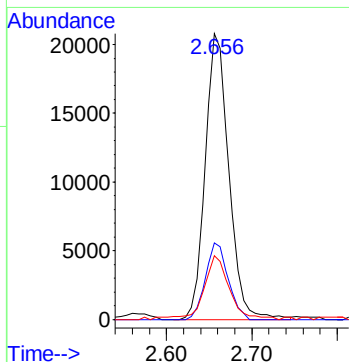
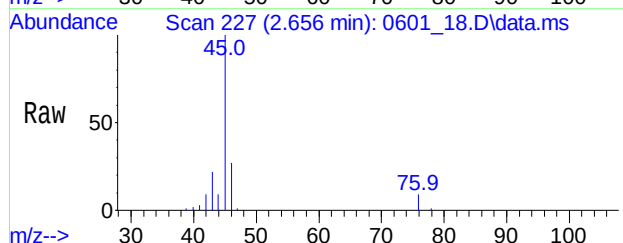
#3
Dichlorodifluoromethane
Conc: 8\$ 0.385 ppbv
RT: 1.512 min Scan# 62
Delta R.T. 0.006 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

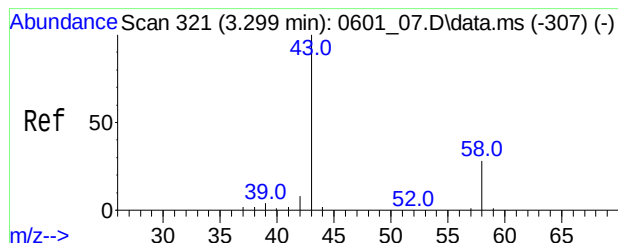
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	14997		
87	31.6	26.2	39.4	
101	8.5	6.2	9.4	



#10
Ethanol
Conc: 8\$ 6.401 ppbv
RT: 2.656 min Scan# 227
Delta R.T. -0.007 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

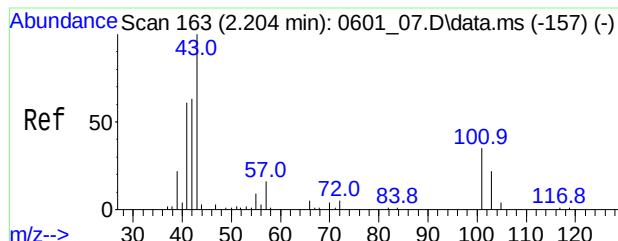
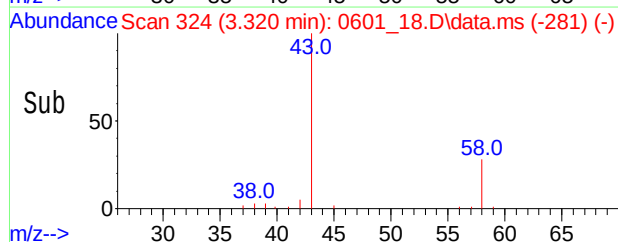
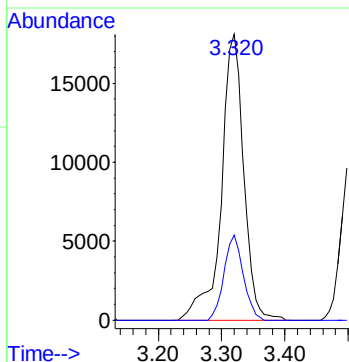
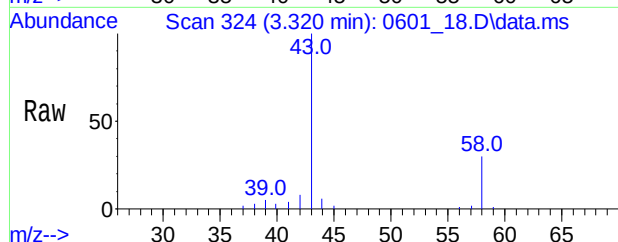
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	40051		
46	25.6	0.0	0.0#	
43	24.3	29.3	43.9#	





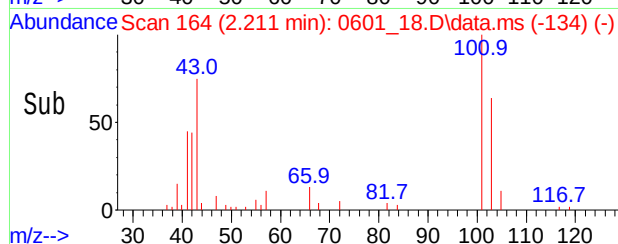
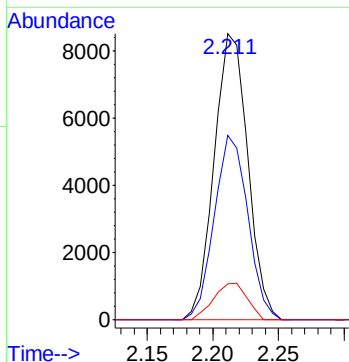
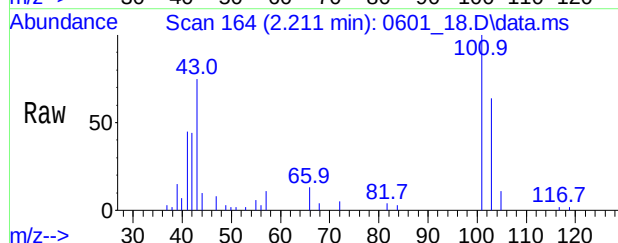
#12
Acetone
Conc: 8\$ 1.289 ppbv
RT: 3.320 min Scan# 324
Delta R.T. -0.007 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

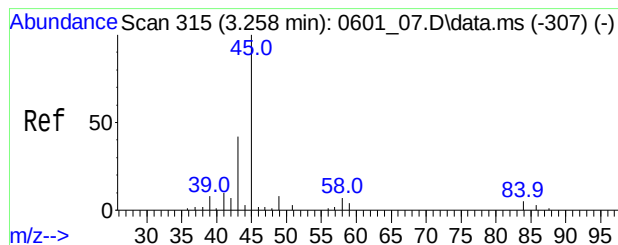
Tgt Ion: 43 Resp: 44599
Ion Ratio Lower Upper
43 100
58 25.4 13.8 20.6#



#13
Trichlorofluoromethane
Conc: 8\$ 0.324 ppbv
RT: 2.211 min Scan# 164
Delta R.T. 0.007 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

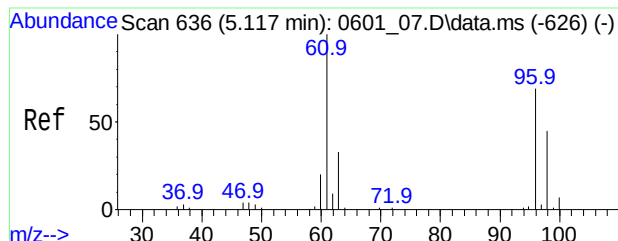
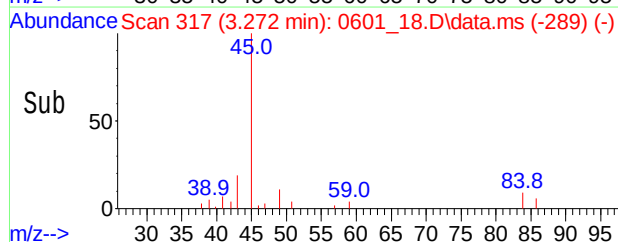
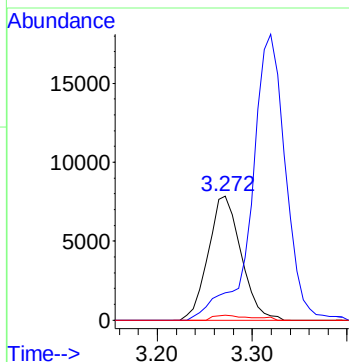
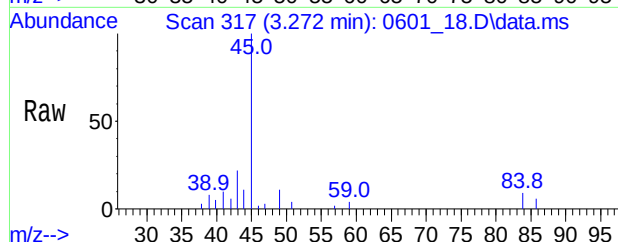
Tgt Ion: 101 Resp: 14999
Ion Ratio Lower Upper
101 100
103 64.2 55.4 83.2
66 12.6 11.4 17.0





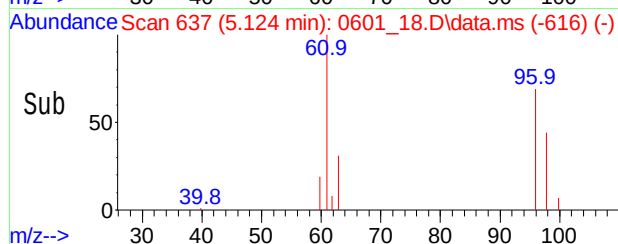
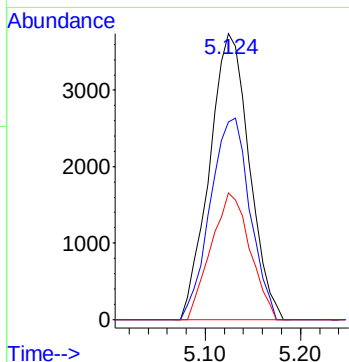
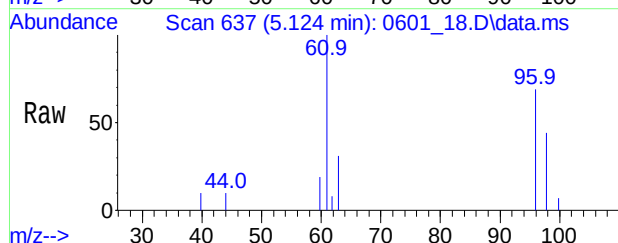
#14
Isopropylalcohol
Conc: 8\$ 0.548 ppbv
RT: 3.272 min Scan# 317
Delta R.T. -0.007 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

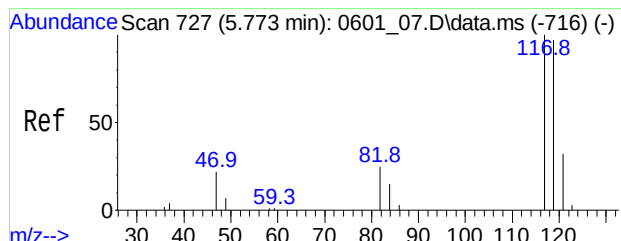
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	18814		
43	237.1	137.3	205.9#	
59	3.5	0.0	0.0#	



#26
Cis-1,2-Dichloroethene
Conc: 8\$ 0.374 ppbv
RT: 5.124 min Scan# 637
Delta R.T. -0.001 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

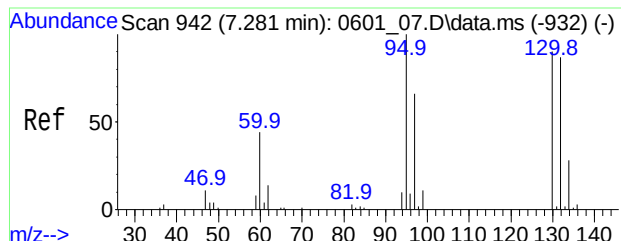
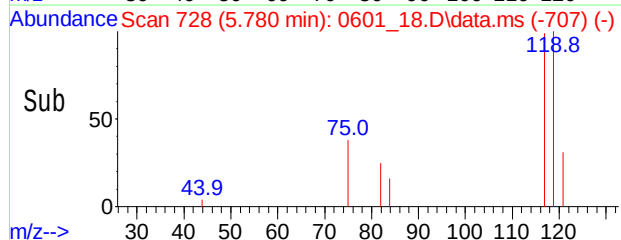
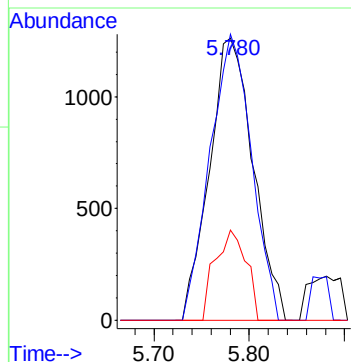
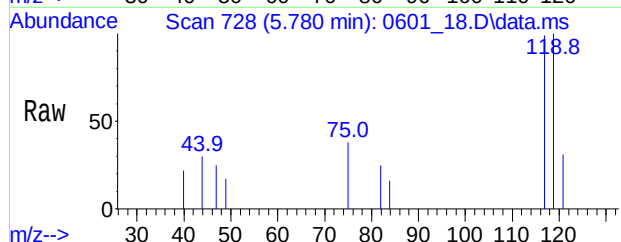
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	10826		
96	70.3	58.4	87.6	
98	43.3	33.0	49.4	





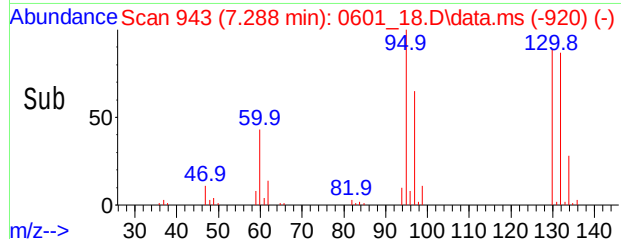
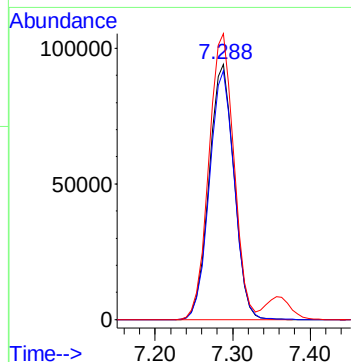
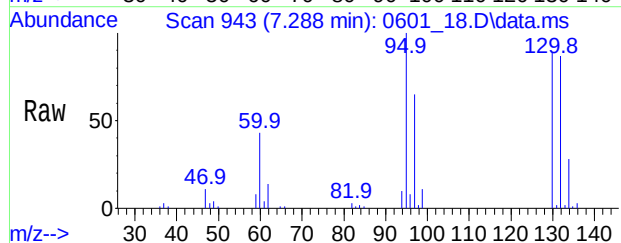
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.780 min Scan# 728
Delta R.T. 0.000 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

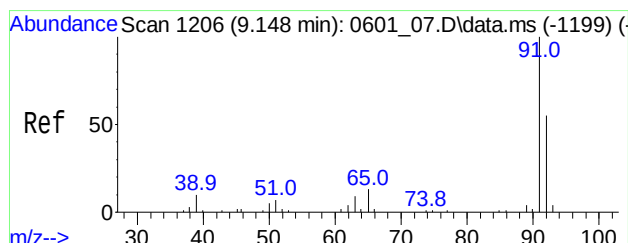
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	4010		
119	96.6	75.0	115.0	
121	22.6	6.8	46.8	



#39
Trichloroethene
Conc: 8\$ 7.571 ppbv
RT: 7.288 min Scan# 943
Delta R.T. 0.007 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

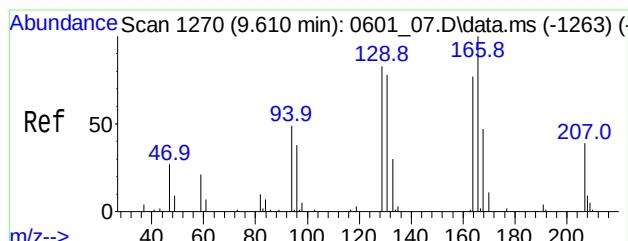
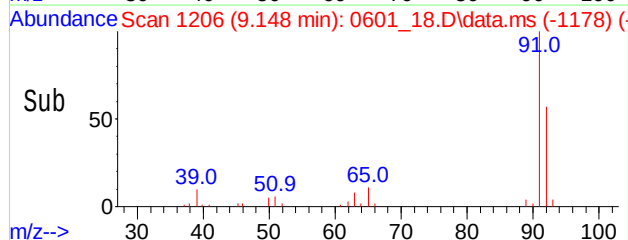
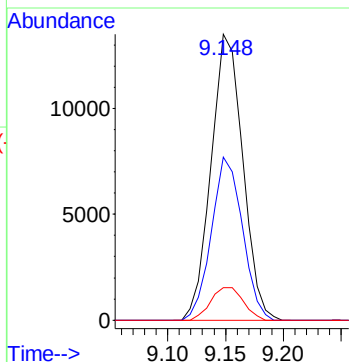
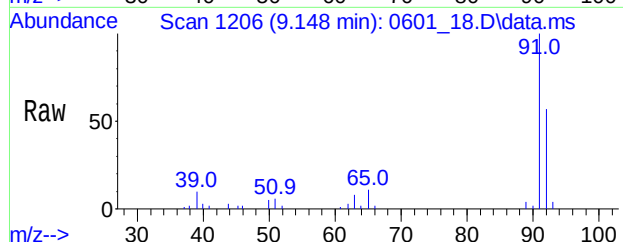
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	209435		
132	96.8	76.6	114.8	
95	112.7	89.6	134.4	





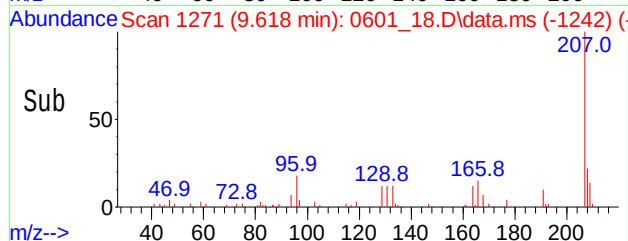
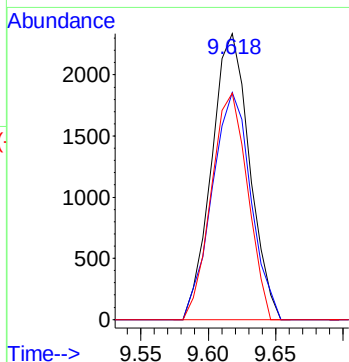
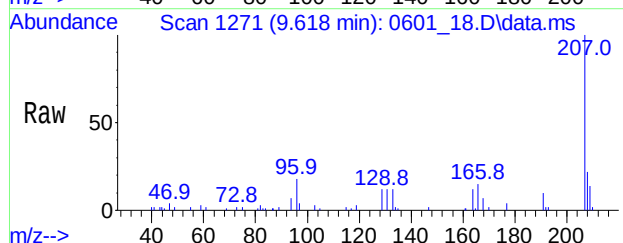
#48
Toluene
Conc: 8\$ 0.348 ppbv
RT: 9.148 min Scan# 1206
Delta R.T. 0.000 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

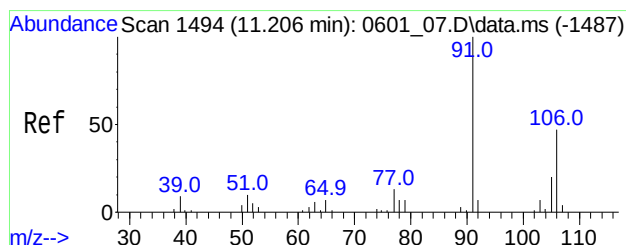
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	25439		
92	55.7	43.4	65.0	
65	11.7	8.2	12.4	



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 9.618 min Scan# 1271
Delta R.T. 0.008 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

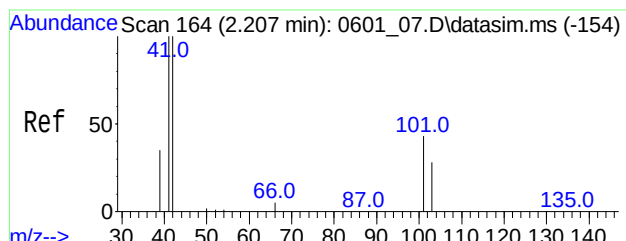
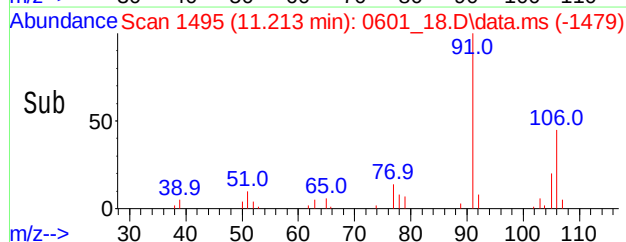
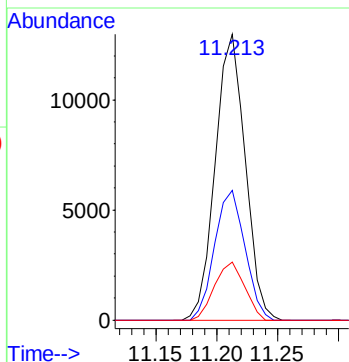
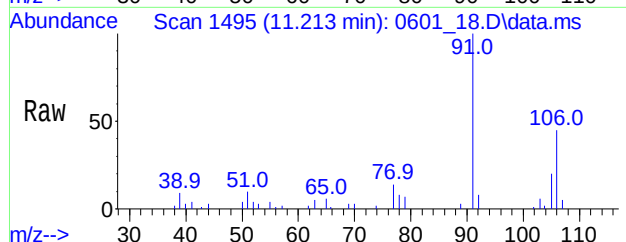
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	4569		
164	81.3	61.0	91.6	
129	75.7	63.7	95.5	





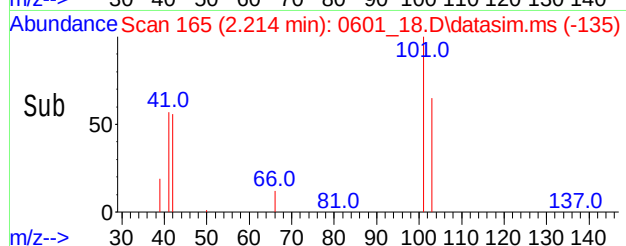
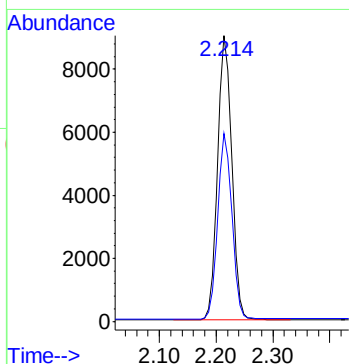
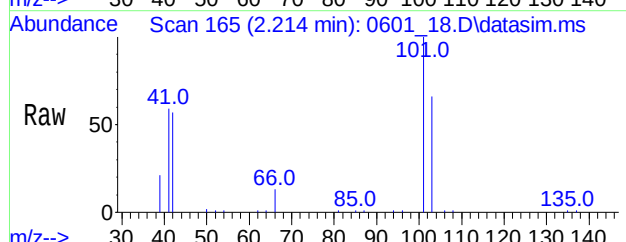
#57
m,p-Xylene
Conc: 8\$ 0.315 ppbv
RT: 11.213 min Scan# 1495
Delta R.T. 0.007 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

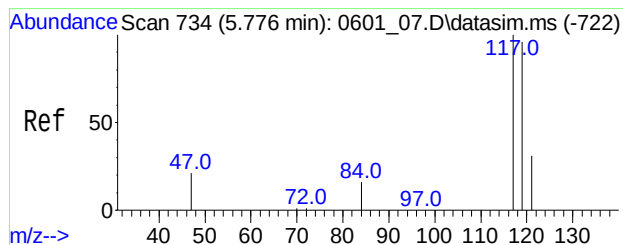
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	21911		
106	45.9	36.7	55.1	
105	20.4	16.9	25.3	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.304 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

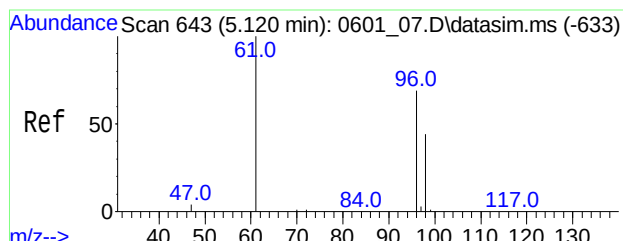
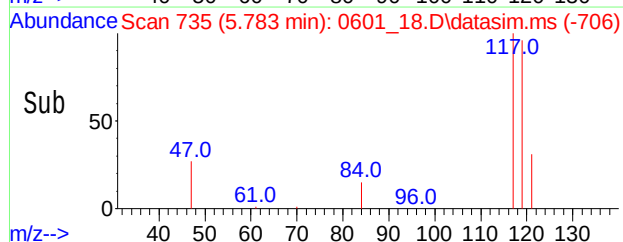
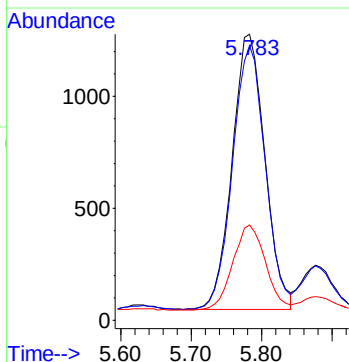
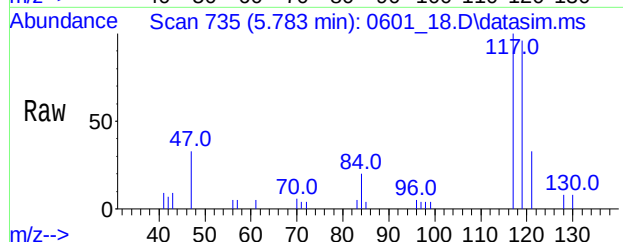
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	15532		
103	64.9	52.7	79.1	





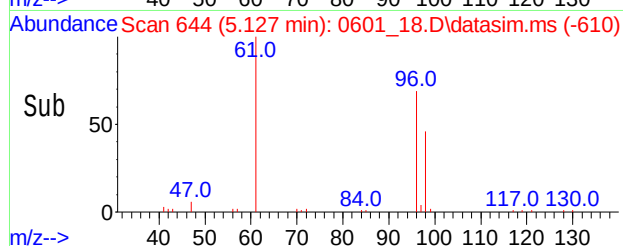
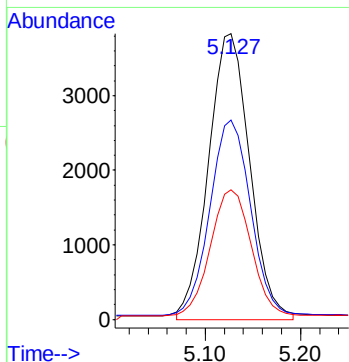
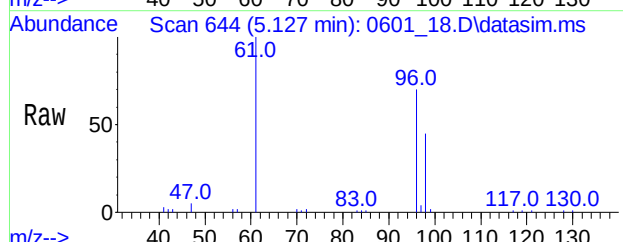
#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.095 ppbv
RT: 5.783 min Scan# 735
Delta R.T. 0.007 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

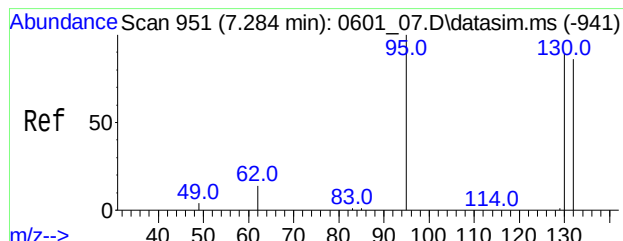
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3973		
119	95.6	76.6	115.0	
121	30.9	24.6	36.8	



#91
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 0.368 ppbv
RT: 5.124 min Scan# 644
Delta R.T. -0.001 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 4:22 pm

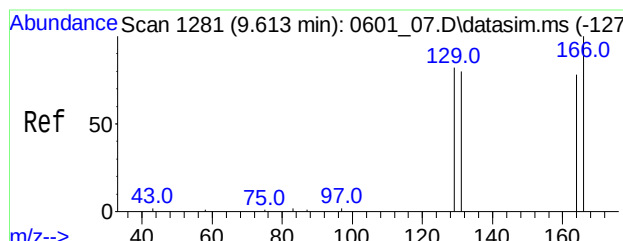
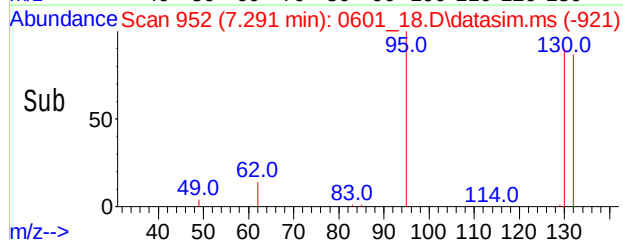
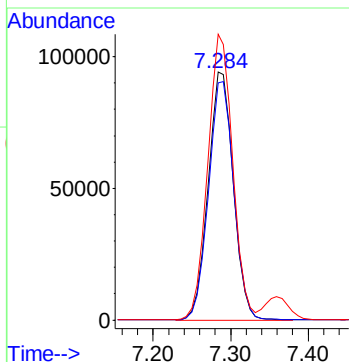
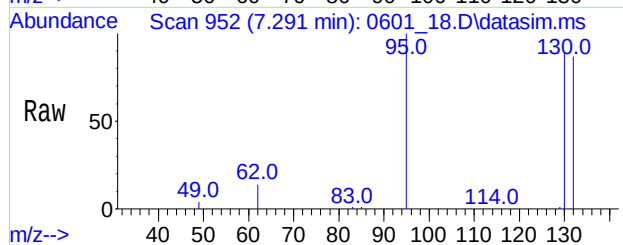
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	10826		
96	70.3	58.4	87.6	
98	43.3	33.0	49.4	





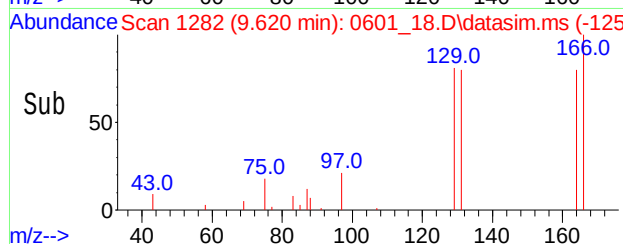
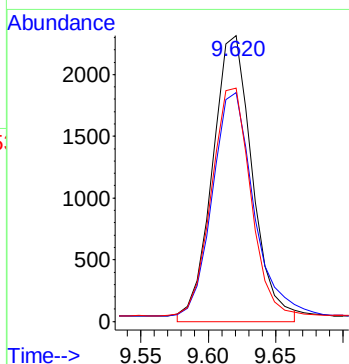
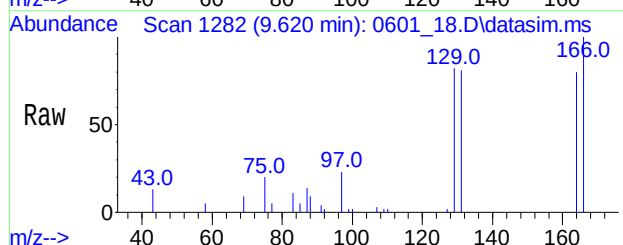
#97
 Trichloroethene(sim)
 Conc: 8\$ 7.411 ppbv
 RT: 7.288 min Scan# 952
 Delta R.T. 0.007 min
 Lab File: 0601_18.D
 Acq: 1 Jun 2020 4:22 pm

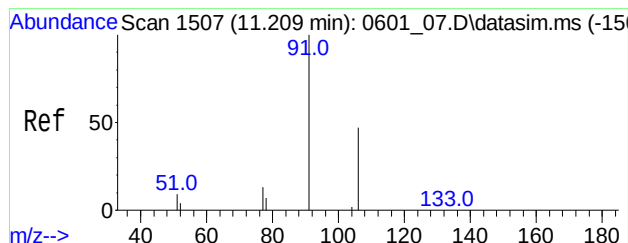
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	209435		
132	96.8	74.3	111.5	
95	112.7	89.6	134.4	



#103
 Tetrachloroethene(sim)
 Conc: 8\$ 0.132 ppbv
 RT: 9.618 min Scan# 1282
 Delta R.T. 0.008 min
 Lab File: 0601_18.D
 Acq: 1 Jun 2020 4:22 pm

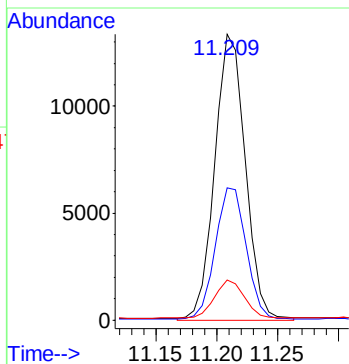
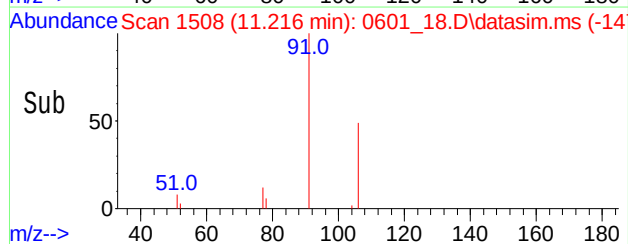
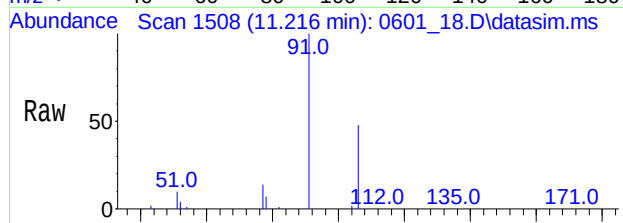
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	4569		
164	81.3	56.3	96.3	
129	74.0	59.6	99.6	





#107
 m,p-Xylene(sim)
 Conc: 8\$ 0.297 ppbv
 RT: 11.213 min Scan# 1508
 Delta R.T. 0.007 min
 Lab File: 0601_18.D
 Acq: 1 Jun 2020 4:22 pm

Tgt	Ion	Ratio	Resp	Lower	Upper
91	100		21911		
106	45.9	41.3	50.5		
77	13.7	11.6	17.4		



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03895</u>
Canister:	<u>21361</u>	Lab File ID:	<u>0601_19.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>06/01/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.273		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.933	S	0.531	0.531	r
67-64-1	Acetone	1.34	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.231		0.178	0.178	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

OA-3

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CG03895
Canister:	21361	Lab File ID:	0601_19.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	06/01/20
Matrix:	AIR	Date Analyzed:	06/01/20
		Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
56-23-5	Carbon Tetrachloride(sim)	0.076		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_19.D
 Acq On : 1 Jun 2020 4:59 pm
 Operator : Keith
 Client ID : OA-3
 Lab ID : CG03895
 ALS Vial : 149 Sample Multiplier: 1

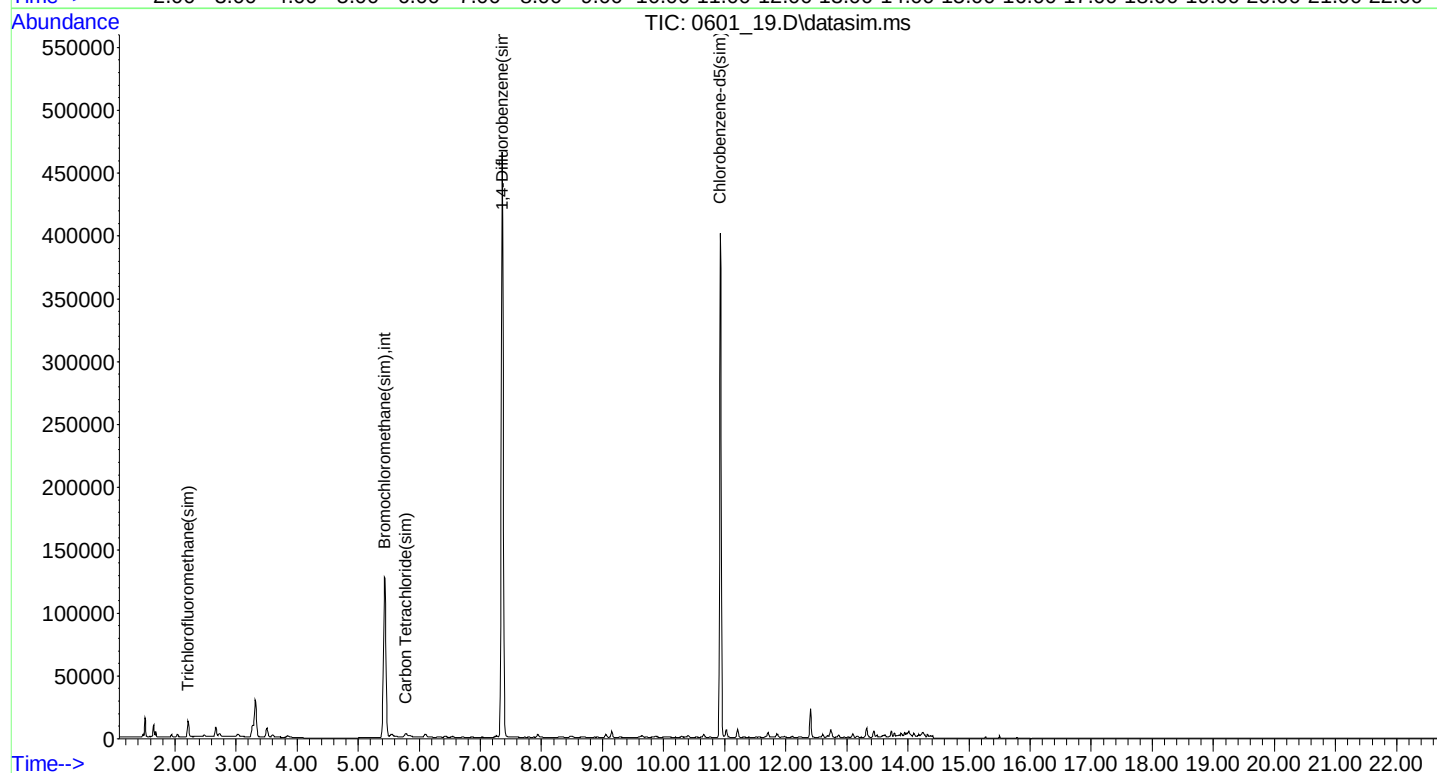
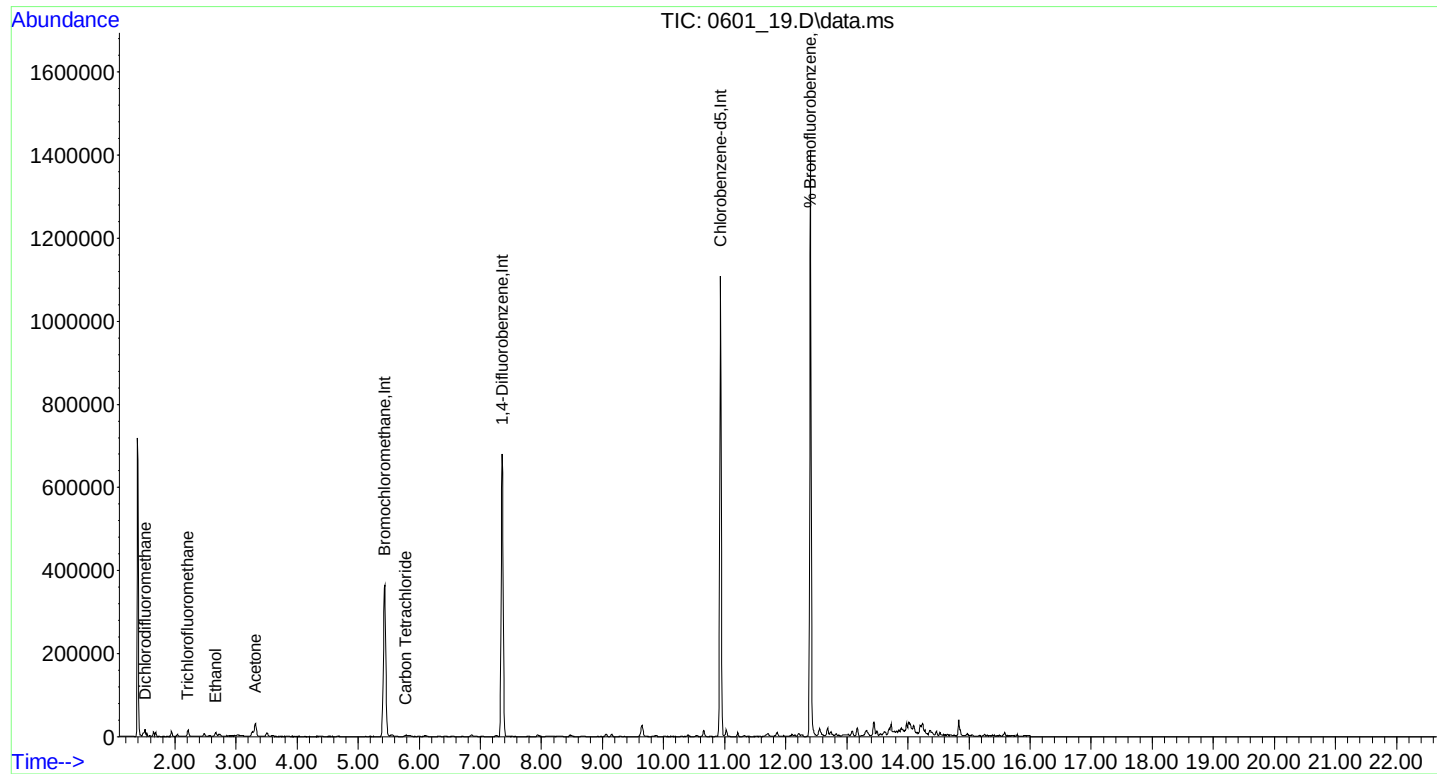
Quant Time: Jun 02 07:58:11 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

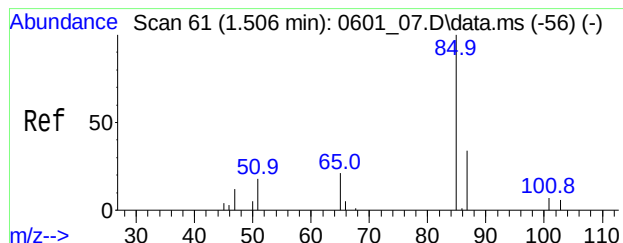
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.434	130	188457	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	674426	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	356899	10.000	ng	0.00
80) Bromochloromethane(sim)	5.437	130	184215	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.360	114	728636	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.928	82	376476	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.405	95	482223	9.967	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.70%
Target Compounds						
3) Dichlorodifluoromethane	1.513	85	10928	0.273	ppbv	Qvalue 97
10) Ethanol	2.670	45	6001	0.933	ppbv	88
12) Acetone	3.320	43	47723	1.341	ppbv#	79
13) Trichlorofluoromethane	2.211	101	10977	0.231	ppbv	96
34) Carbon Tetrachloride	5.781	117	3100	0.071	ppbv	99
84) Trichlorofluoromethane...	2.214	101	10963	0.210	ppbv	99
86) Carbon Tetrachloride(sim)	5.783	117	3221	0.076	ppbv	99

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_19.D
Acq On : 1 Jun 2020 4:59 pm
Operator : Keith
Client ID : OA-3
Lab ID : CG03895
ALS Vial : 149 Sample Multiplier: 1

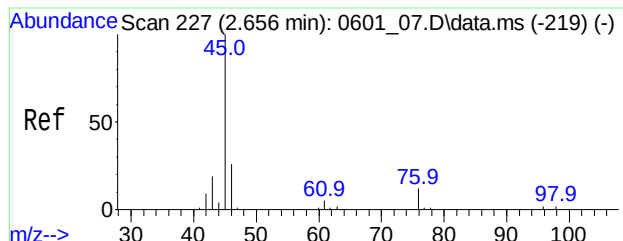
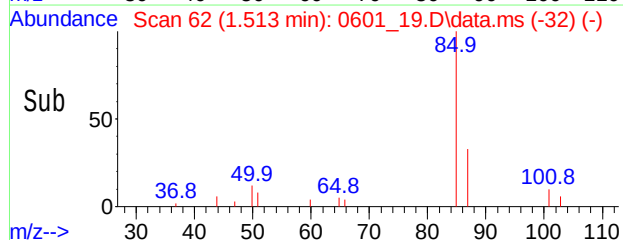
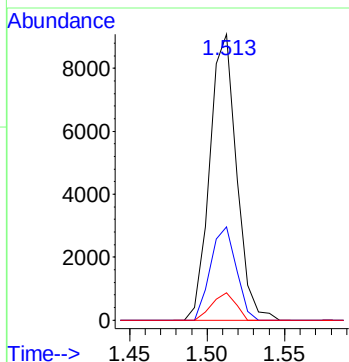
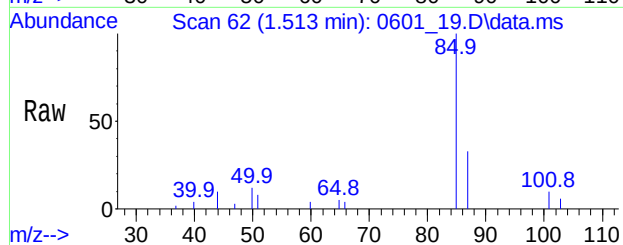
Quant Time: Jun 02 07:58:11 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





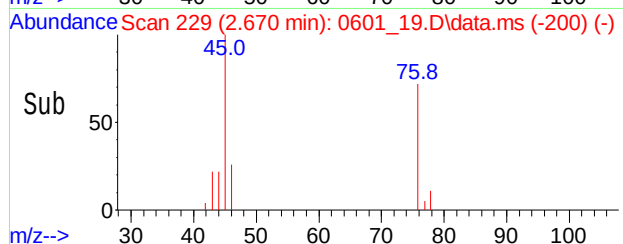
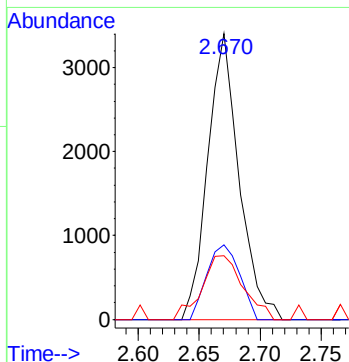
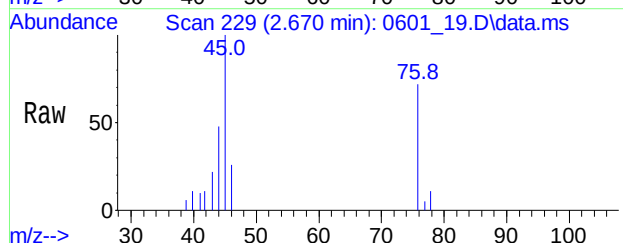
#3
Dichlorodifluoromethane
Conc: 8\$ 0.273 ppbv
RT: 1.513 min Scan# 62
Delta R.T. 0.007 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 4:59 pm

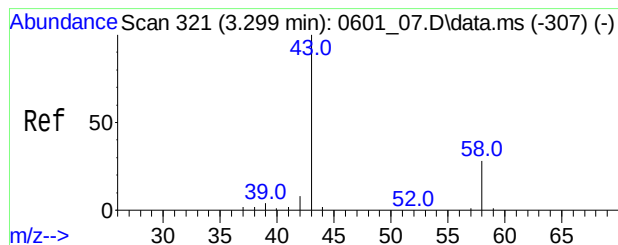
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	10928		
87	31.3	26.2	39.4	
101	8.4	6.2	9.4	



#10
Ethanol
Conc: 8\$ 0.933 ppbv
RT: 2.670 min Scan# 229
Delta R.T. 0.007 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 4:59 pm

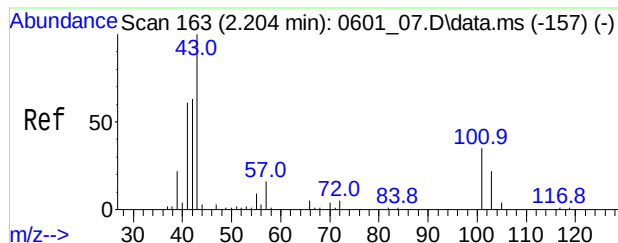
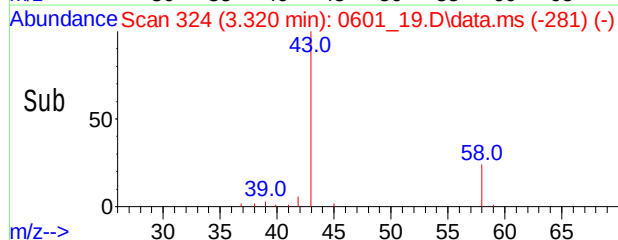
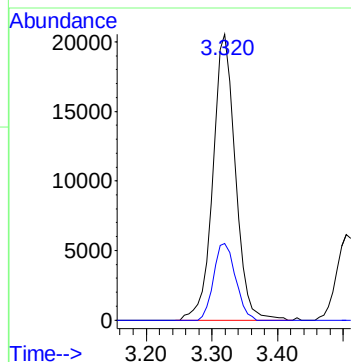
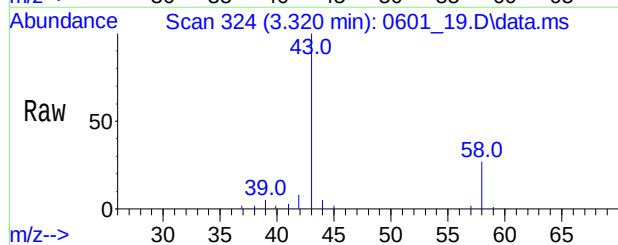
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	6001		
46	27.3	0.0	0.0#	
43	29.4	29.3	43.9	





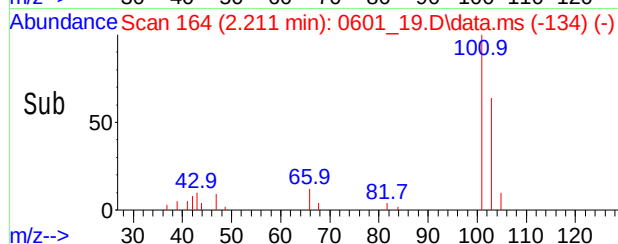
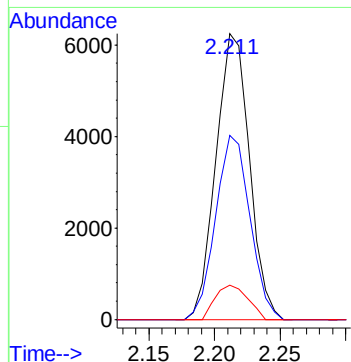
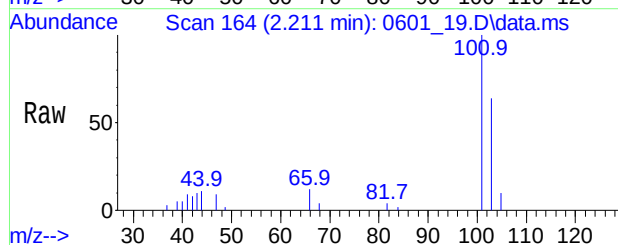
#12
Acetone
Conc: 8\$ 1.341 ppbv
RT: 3.320 min Scan# 324
Delta R.T. -0.007 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 4:59 pm

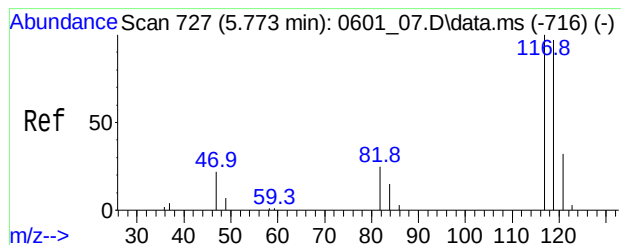
Tgt Ion: 43 Resp: 47723
Ion Ratio Lower Upper
43 100
58 26.1 13.8 20.6#



#13
Trichlorofluoromethane
Conc: 8\$ 0.231 ppbv
RT: 2.211 min Scan# 164
Delta R.T. 0.007 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 4:59 pm

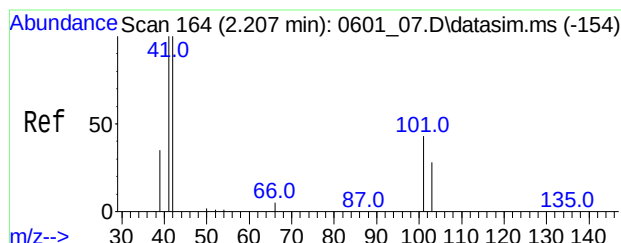
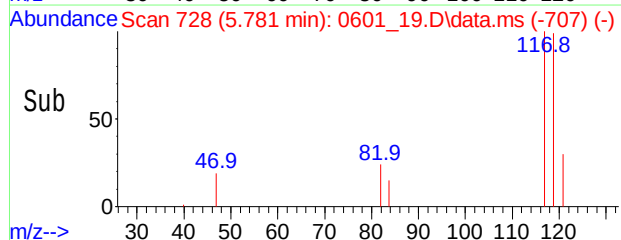
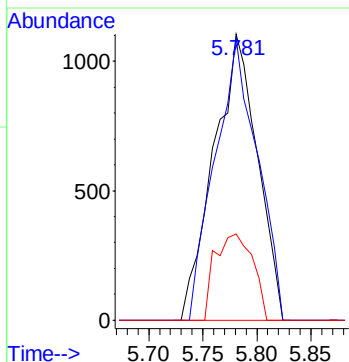
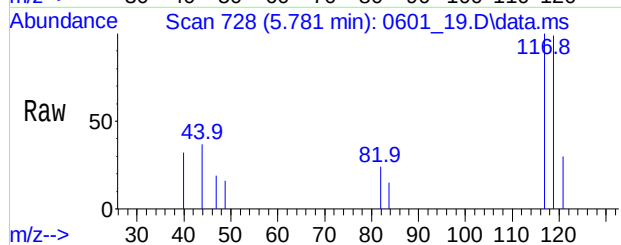
Tgt Ion: 101 Resp: 10977
Ion Ratio Lower Upper
101 100
103 66.1 55.4 83.2
66 11.6 11.4 17.0





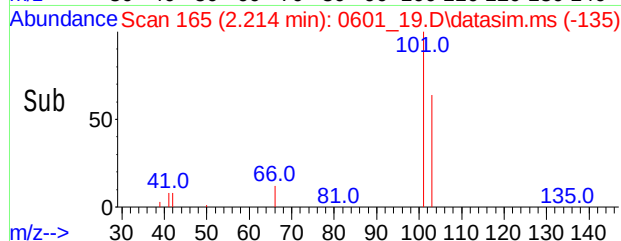
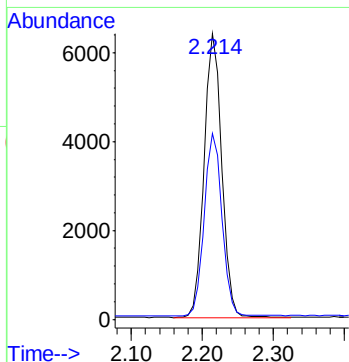
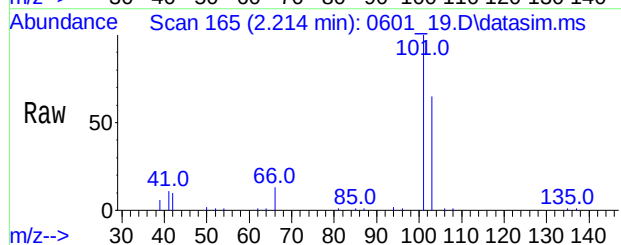
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.781 min Scan# 728
Delta R.T. 0.001 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 4:59 pm

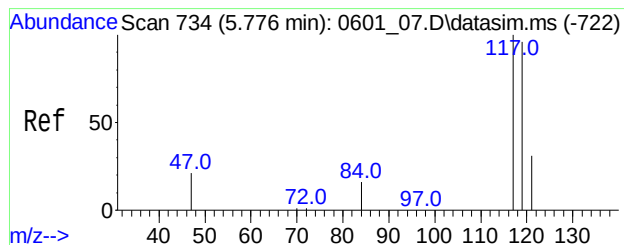
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3100		
119	95.5	75.0	115.0	
121	26.1	6.8	46.8	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.210 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 4:59 pm

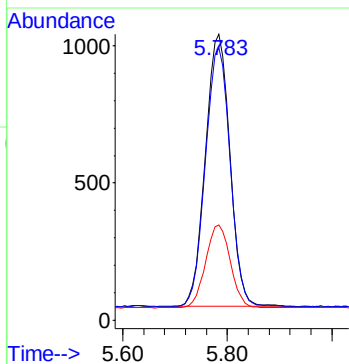
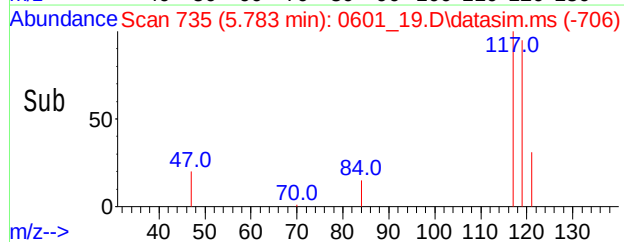
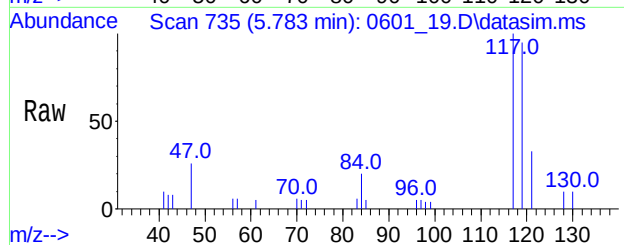
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	10963		
103	65.1	52.7	79.1	





#86
 Carbon Tetrachloride(sim)
 Conc: 8\$ 0.076 ppbv
 RT: 5.783 min Scan# 735
 Delta R.T. 0.007 min
 Lab File: 0601_19.D
 Acq: 1 Jun 2020 4:59 pm

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3221		
119	96.6	76.6	115.0	
121	31.1	24.6	36.8	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	OA-1
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03896</u>	
Canister:	<u>21359</u>	Lab File ID:	<u>0601_20.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>	Date Received:
				<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.282		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	1.15	S	0.531	0.531	r
67-64-1	Acetone	1.24	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.225		0.178	0.178	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

OA-1

SDG No.: GCG03886

Lab Sample ID: CG03896

Canister: 21359

Lab File ID: 0601_20.D

Instrument: CHEM24 Column: RTX-VMS

Date Received: 06/01/20

Purge Volume 200 (cc)

Date Analyzed: 06/01/20

Matrix: AIR

Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
56-23-5	Carbon Tetrachloride(sim)	0.075		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_20.D
 Acq On : 1 Jun 2020 5:36 pm
 Operator : Keith
 Client ID : OA-1
 Lab ID : CG03896
 ALS Vial : 150 Sample Multiplier: 1

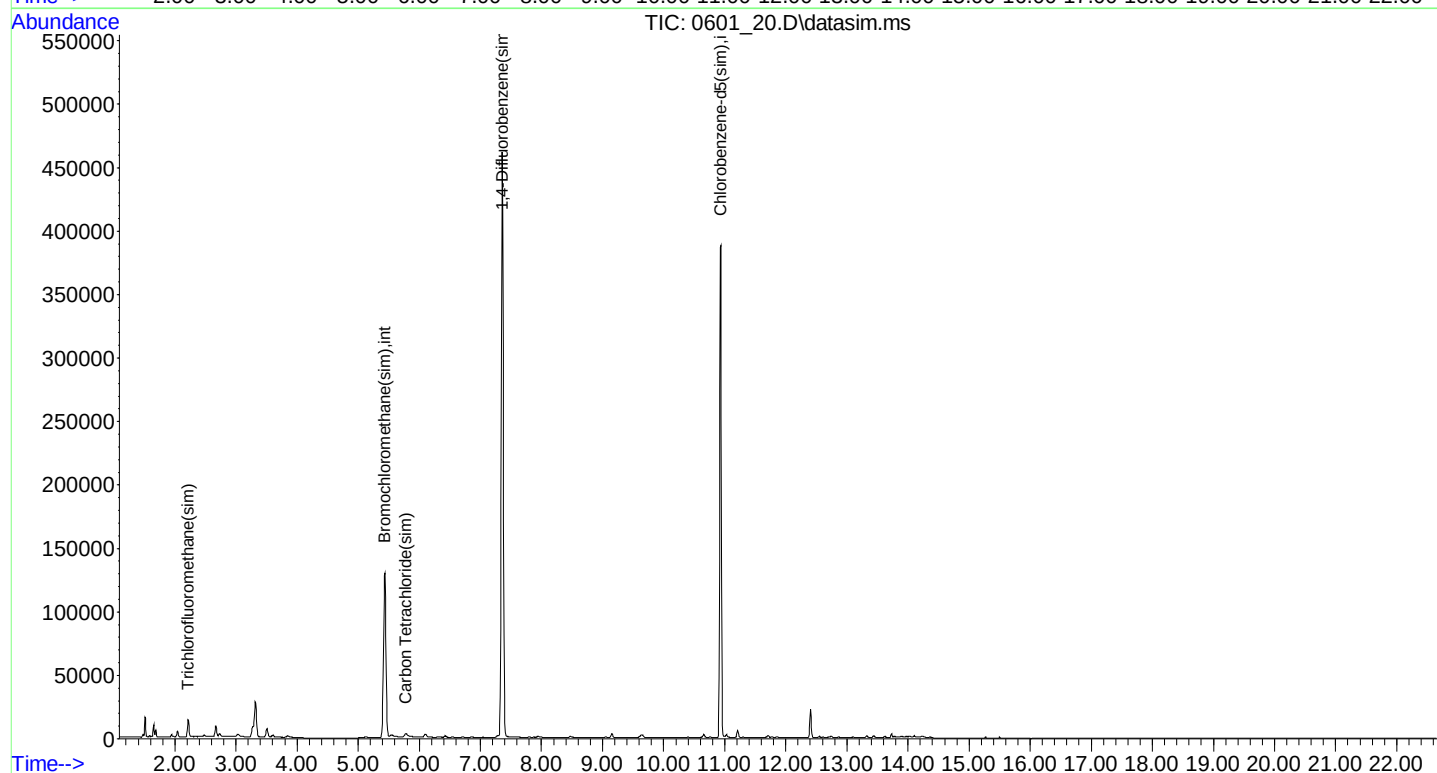
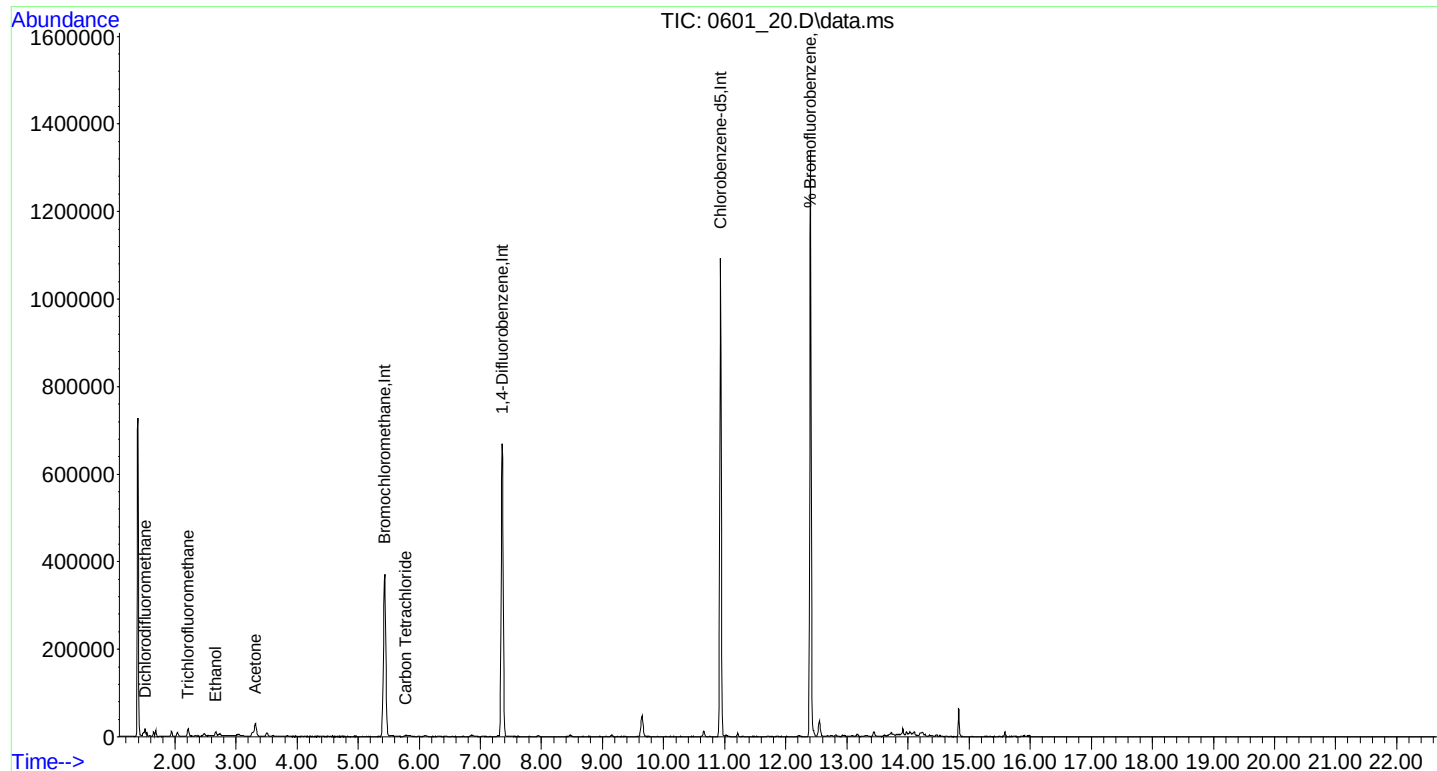
Quant Time: Jun 02 07:58:15 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

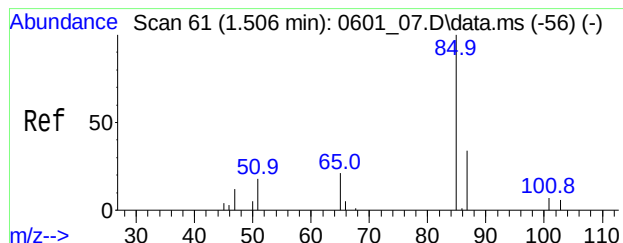
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.434	130	191854	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.356	114	673387	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	356295	10.000	ng	0.00
80) Bromochloromethane(sim)	5.437	130	187446	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	726856	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.934	82	377401	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.404	95	474872	9.832	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.30%
Target Compounds						
3) Dichlorodifluoromethane	1.512	85	11487	0.282	ppbv	Qvalue 98
10) Ethanol	2.670	45	7520	1.148	ppbv#	85
12) Acetone	3.320	43	44860	1.238	ppbv#	79
13) Trichlorofluoromethane	2.218	101	10885	0.225	ppbv	96
34) Carbon Tetrachloride	5.780	117	3055	0.069	ppbv	97
84) Trichlorofluoromethane...	2.214	101	11213	0.211	ppbv	99
86) Carbon Tetrachloride(sim)	5.783	117	3249	0.075	ppbv	99

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_20.D
Acq On : 1 Jun 2020 5:36 pm
Operator : Keith
Client ID : 0A-1
Lab ID : CG03896
ALS Vial : 150 Sample Multiplier: 1

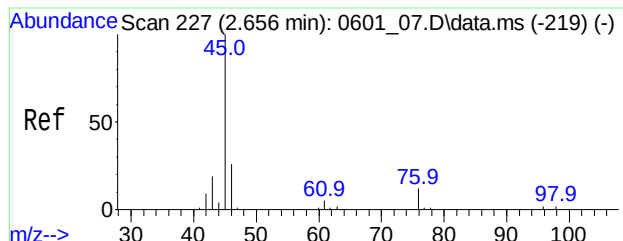
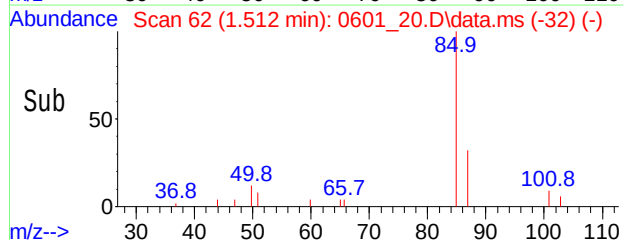
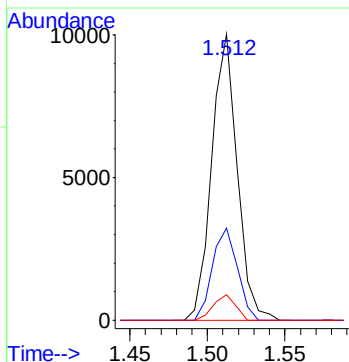
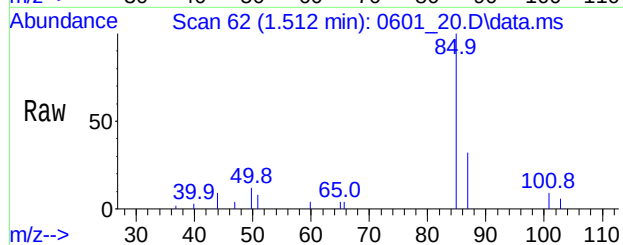
Quant Time: Jun 02 07:58:15 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





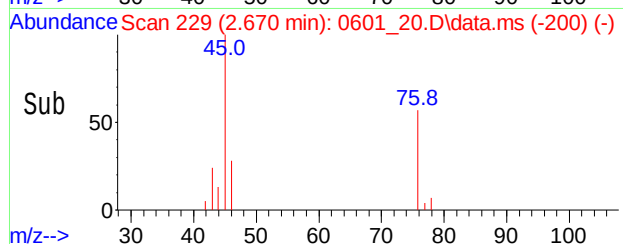
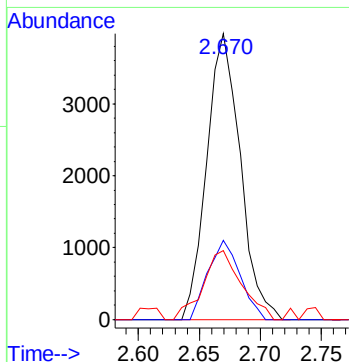
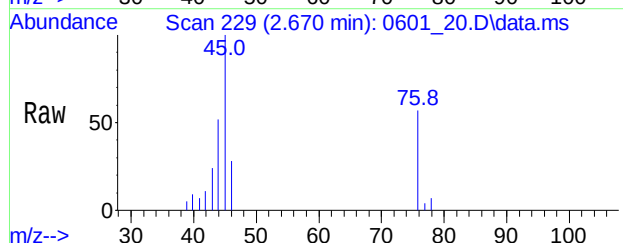
#3
Dichlorodifluoromethane
Conc: 8\$ 0.282 ppbv
RT: 1.512 min Scan# 62
Delta R.T. 0.006 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 5:36 pm

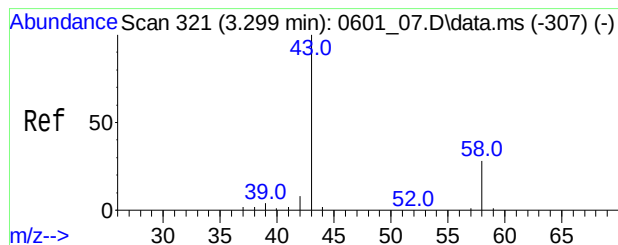
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	11487		
87	31.5	26.2		39.4
101	7.7	6.2		9.4



#10
Ethanol
Conc: 8\$ 1.148 ppbv
RT: 2.670 min Scan# 229
Delta R.T. 0.007 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 5:36 pm

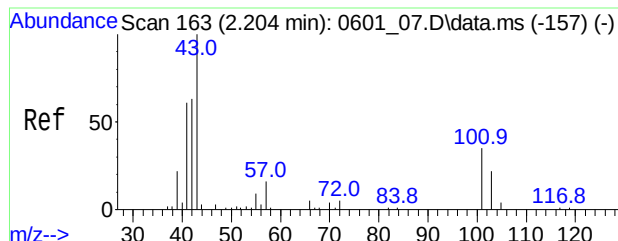
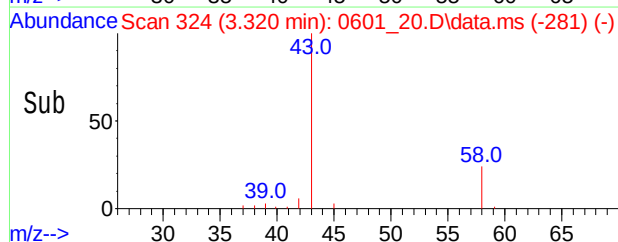
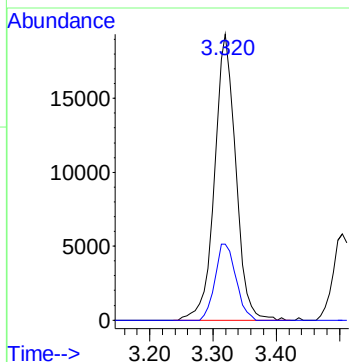
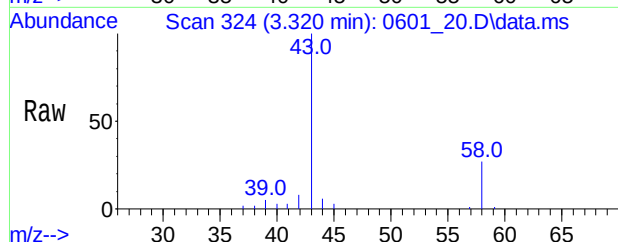
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	7520		
46	26.5	0.0		0.0#
43	27.5	29.3		43.9#





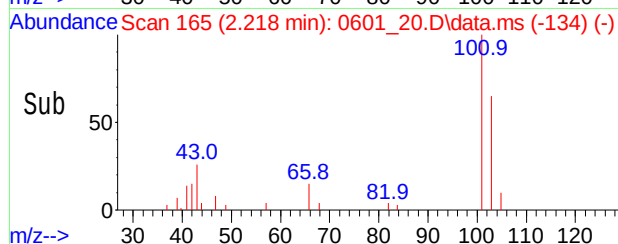
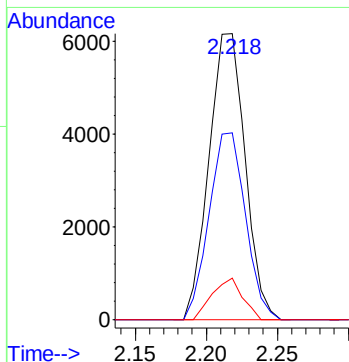
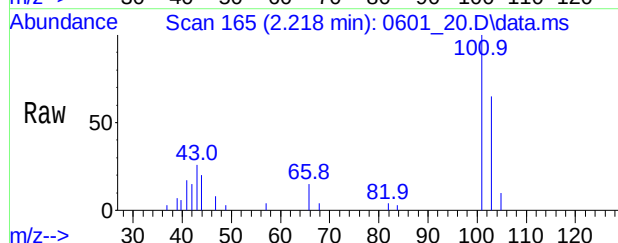
#12
Acetone
Conc: 8\$ 1.238 ppbv
RT: 3.320 min Scan# 324
Delta R.T. -0.007 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 5:36 pm

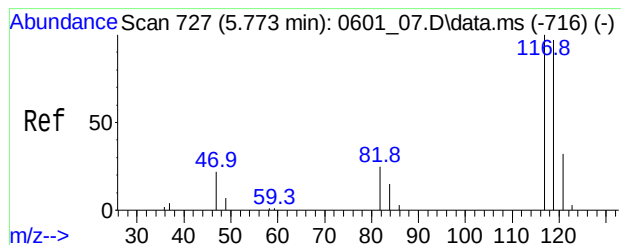
Tgt Ion: 43 Resp: 44860
Ion Ratio Lower Upper
43 100
58 26.3 13.8 20.6#



#13
Trichlorofluoromethane
Conc: 8\$ 0.225 ppbv
RT: 2.218 min Scan# 165
Delta R.T. 0.014 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 5:36 pm

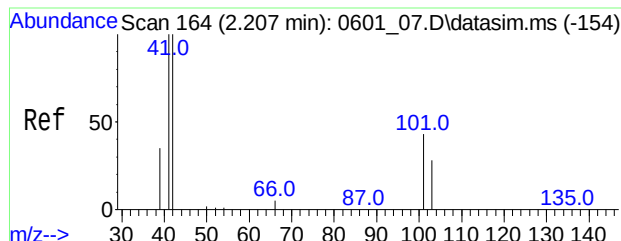
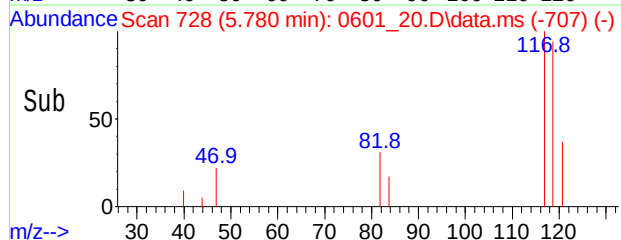
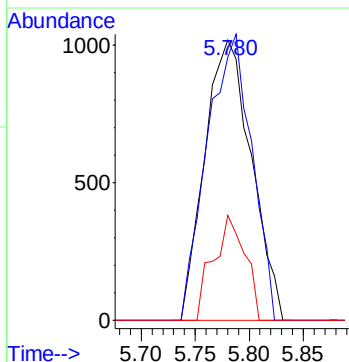
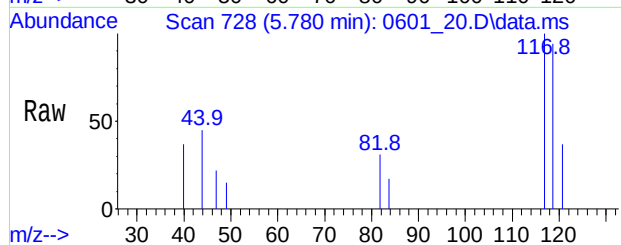
Tgt Ion: 101 Resp: 10885
Ion Ratio Lower Upper
101 100
103 65.8 55.4 83.2
66 12.1 11.4 17.0





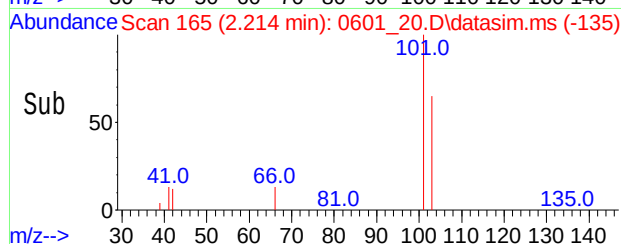
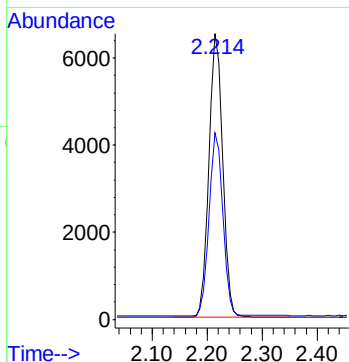
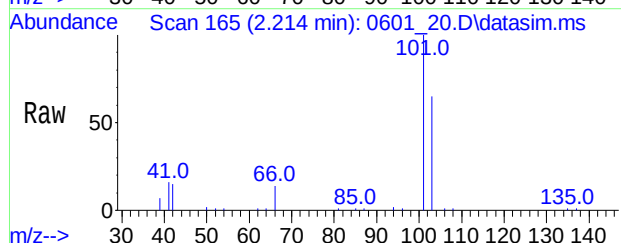
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.780 min Scan# 728
Delta R.T. 0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 5:36 pm

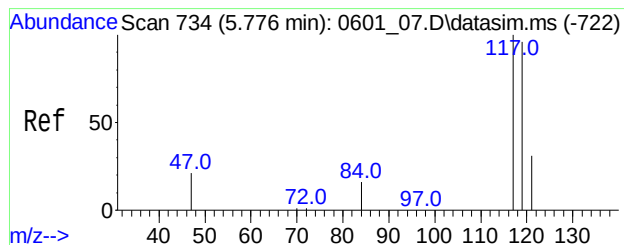
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3055		
119	97.7	75.0	115.0	
121	25.4	6.8	46.8	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.211 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 5:36 pm

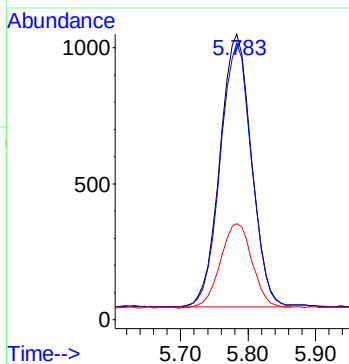
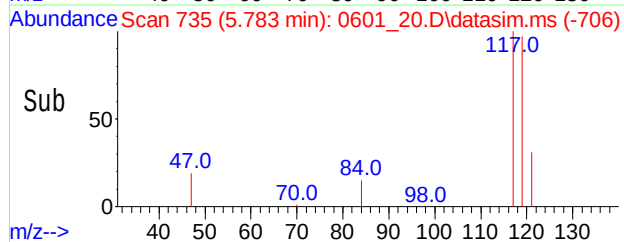
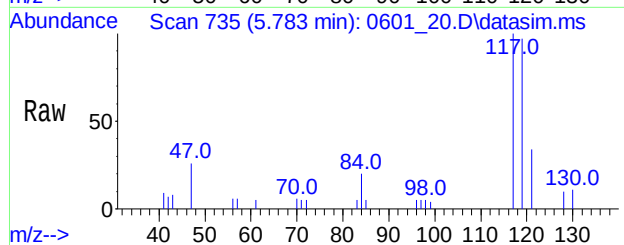
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	11213		
103	64.8	52.7	79.1	





#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.075 ppbv
RT: 5.783 min Scan# 735
Delta R.T. 0.007 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 5:36 pm

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3249		
119	97.3	76.6	115.0	
121	31.4	24.6	36.8	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03897</u>
Canister:	<u>23349</u>	Lab File ID:	<u>0601_21.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>06/01/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.259		0.202	0.202	r
74-87-3	Chloromethane	0.494		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	2.37	S	0.531	0.531	r
67-64-1	Acetone	1.30	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.226		0.178	0.178	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

OA-2

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CG03897
Canister:	23349	Lab File ID:	0601_21.D
Instrument:	CHEM24	Column:	RTX-VMS
Date Received:	06/01/20		
Purge Volume	200	(cc)	06/01/20
Date Analyzed:	06/01/20		
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
56-23-5	Carbon Tetrachloride(sim)	0.076		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_21.D
 Acq On : 1 Jun 2020 6:12 pm
 Operator : Keith
 Client ID : OA-2
 Lab ID : CG03897
 ALS Vial : 151 Sample Multiplier: 1

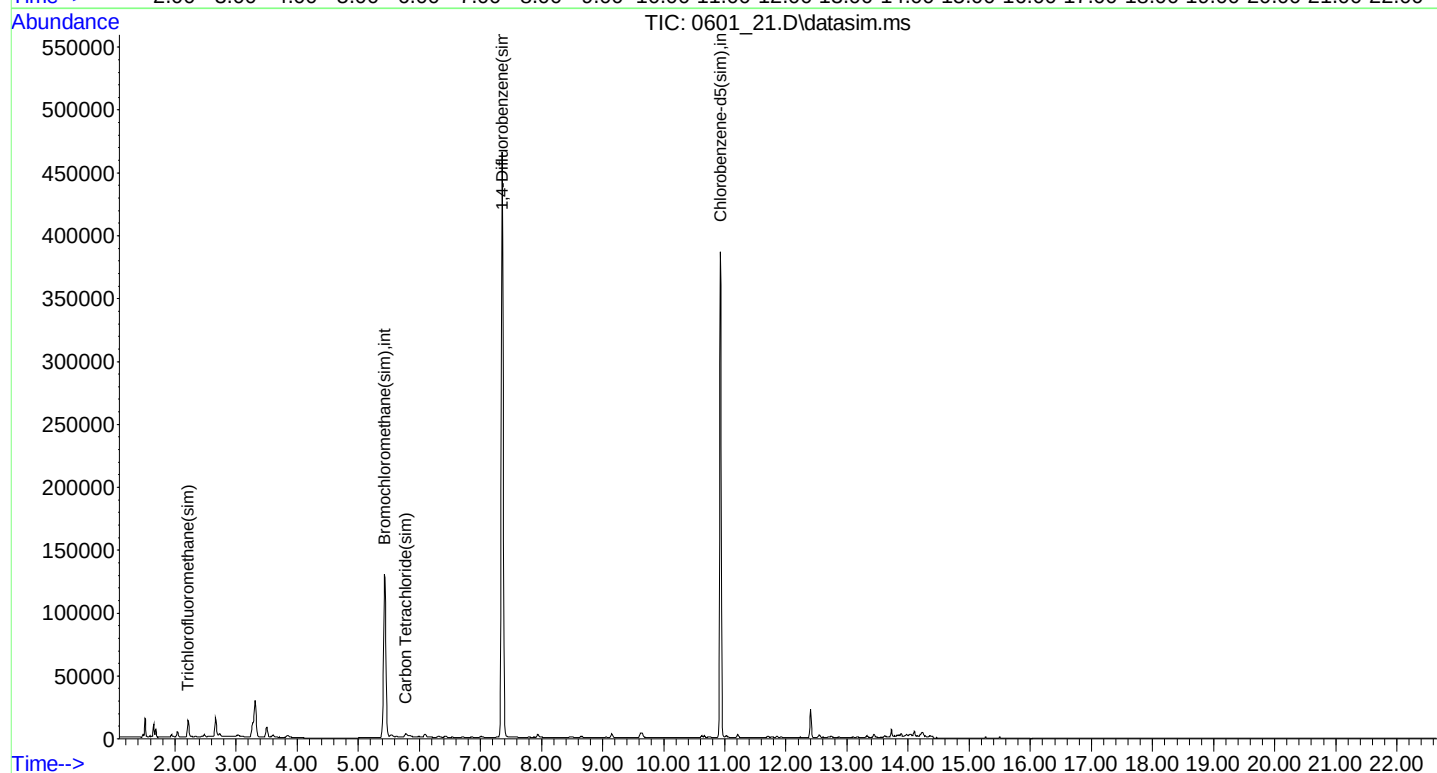
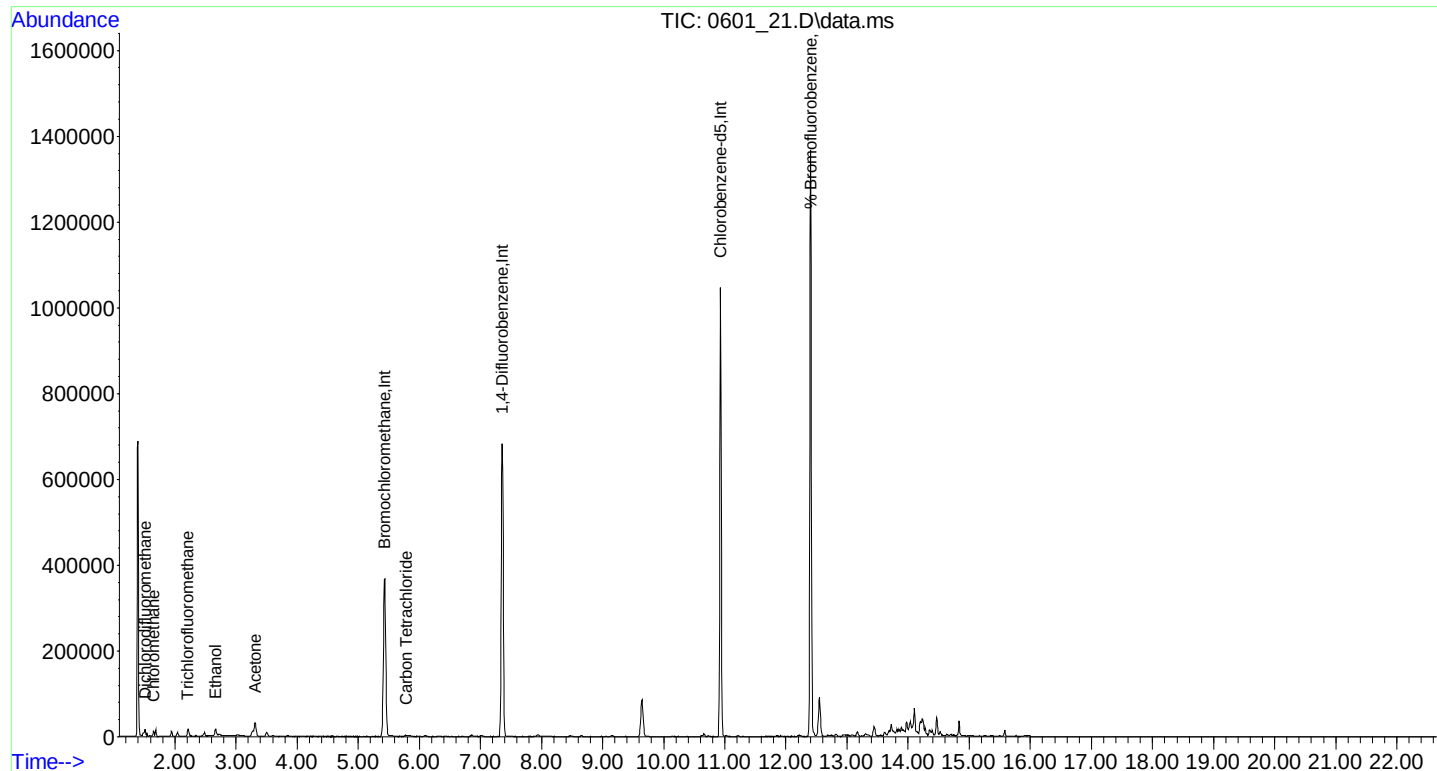
Quant Time: Jun 02 07:58:20 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

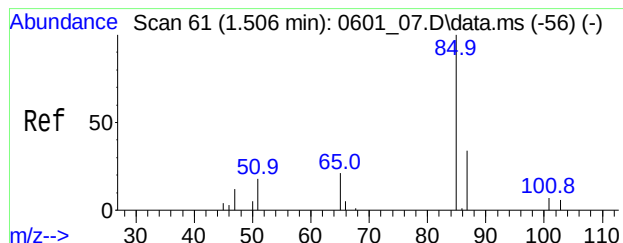
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.434	130	189601	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	673100	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	354968	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	185979	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.360	114	722910	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.928	82	373547	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.405	95	470623	9.780	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.80%
Target Compounds						
3) Dichlorodifluoromethane	1.513	85	10444	0.259	ppbv	Qvalue 99
4) Chloromethane	1.650	50	9628	0.494	ppbv	100
10) Ethanol	2.670	45	15332	2.369	ppbv#	80
12) Acetone	3.313	43	46558	1.300	ppbv#	80
13) Trichlorofluoromethane	2.211	101	10820	0.226	ppbv	96
34) Carbon Tetrachloride	5.788	117	2951	0.067	ppbv	98
52) Tetrachloroethene	9.618	166	1160	0.032	ppbv#	87
84) Trichlorofluoromethane...	2.214	101	11209	0.213	ppbv	98
86) Carbon Tetrachloride(sim)	5.783	117	3249	0.076	ppbv	100

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_21.D
Acq On : 1 Jun 2020 6:12 pm
Operator : Keith
Client ID : OA-2
Lab ID : CG03897
ALS Vial : 151 Sample Multiplier: 1

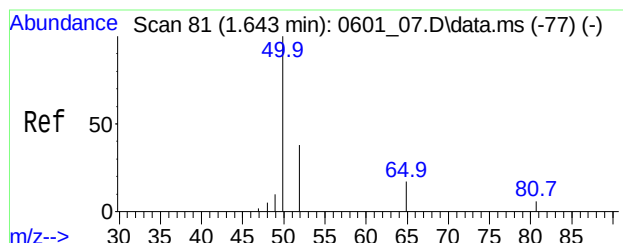
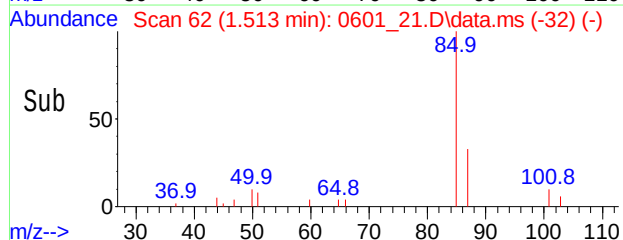
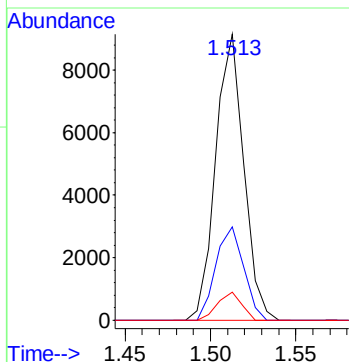
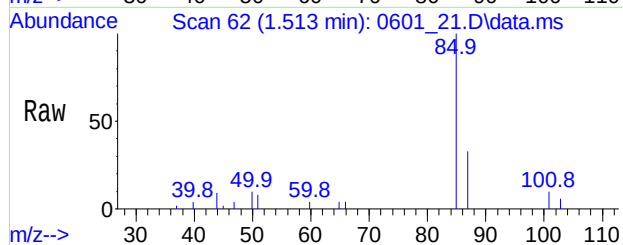
Quant Time: Jun 02 07:58:20 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





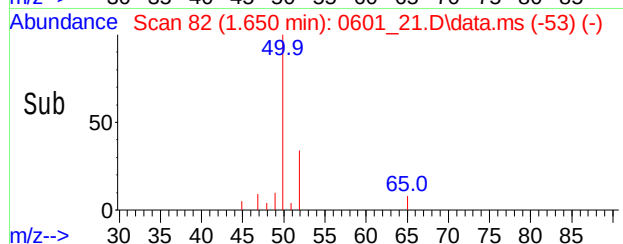
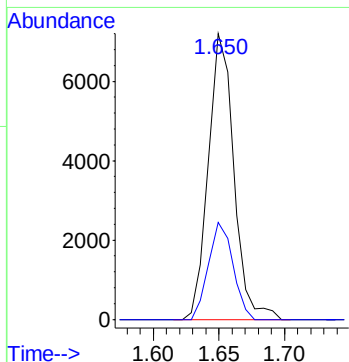
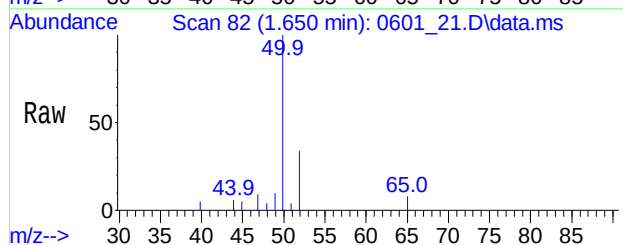
#3
Dichlorodifluoromethane
Conc: 8\$ 0.259 ppbv
RT: 1.513 min Scan# 62
Delta R.T. 0.007 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 6:12 pm

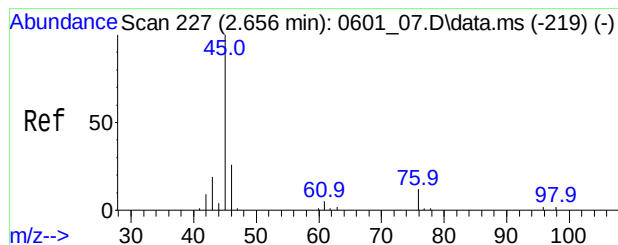
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	10444		
87	32.4	26.2	39.4	
101	8.2	6.2	9.4	



#4
Chloromethane
Conc: 8\$ 0.494 ppbv
RT: 1.650 min Scan# 82
Delta R.T. -0.000 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 6:12 pm

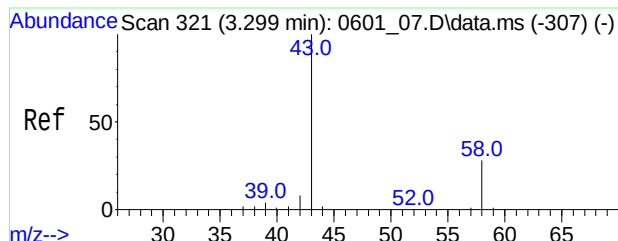
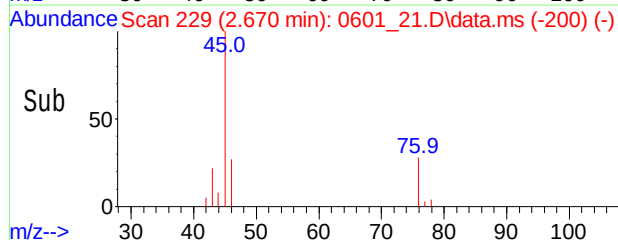
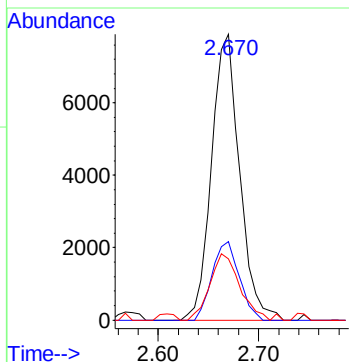
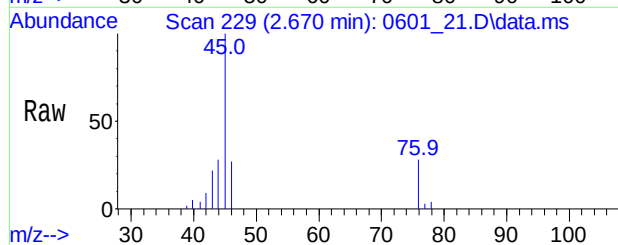
Tgt Ion	Ratio	Resp	Lower	Upper
50	100	9628		
52	32.5	12.2	52.2	





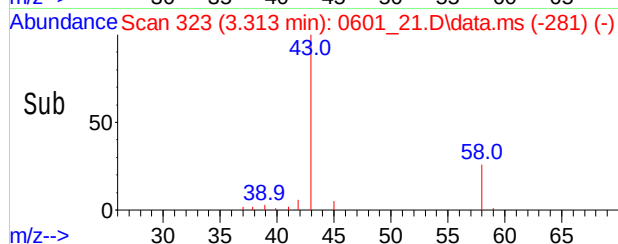
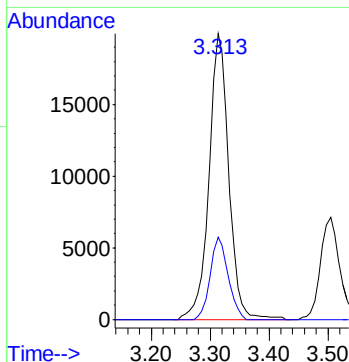
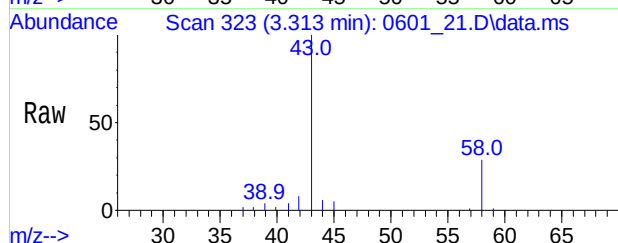
#10
Ethanol
Conc: 8\$ 2.369 ppbv
RT: 2.670 min Scan# 229
Delta R.T. 0.007 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 6:12 pm

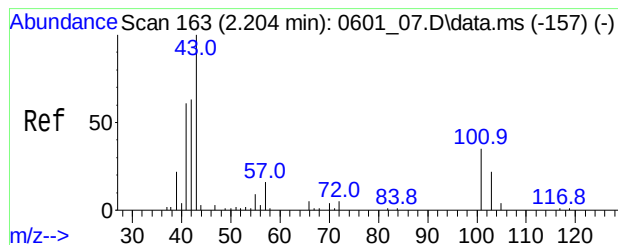
Tgt Ion: 45 Resp: 15332
Ion Ratio Lower Upper
45 100
46 26.5 0.0 0.0#
43 25.0 29.3 43.9#



#12
Acetone
Conc: 8\$ 1.300 ppbv
RT: 3.313 min Scan# 323
Delta R.T. -0.014 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 6:12 pm

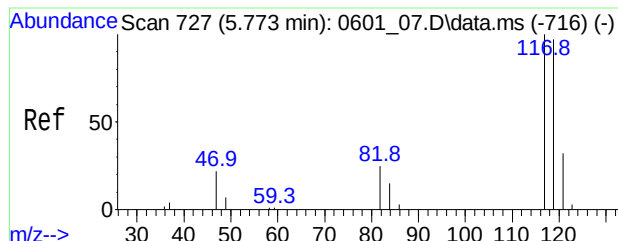
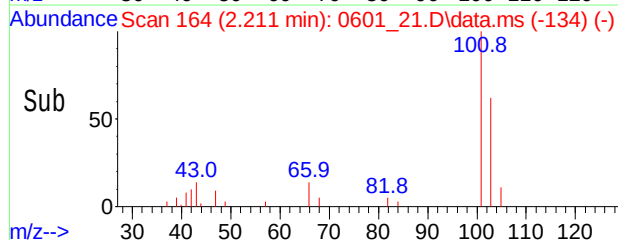
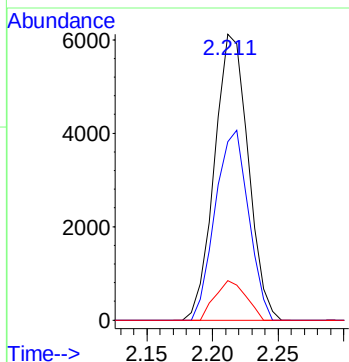
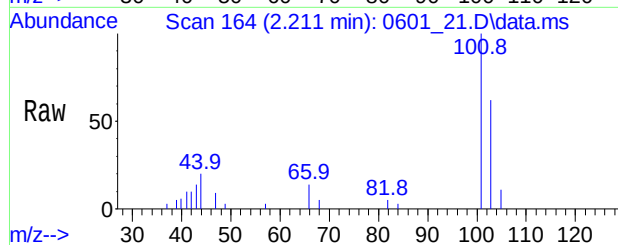
Tgt Ion: 43 Resp: 46558
Ion Ratio Lower Upper
43 100
58 26.1 13.8 20.6#





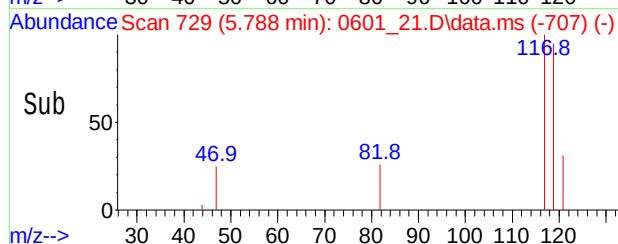
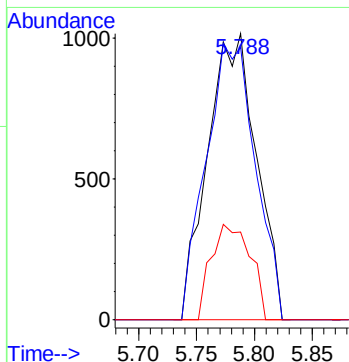
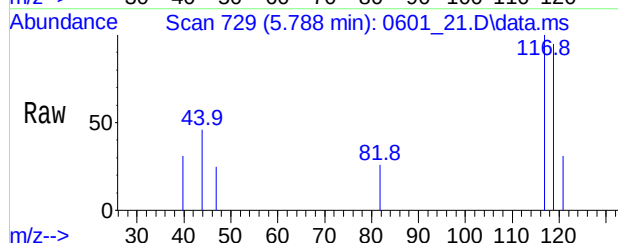
#13
Trichlorofluoromethane
Conc: 8\$ 0.226 ppbv
RT: 2.211 min Scan# 164
Delta R.T. 0.007 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 6:12 pm

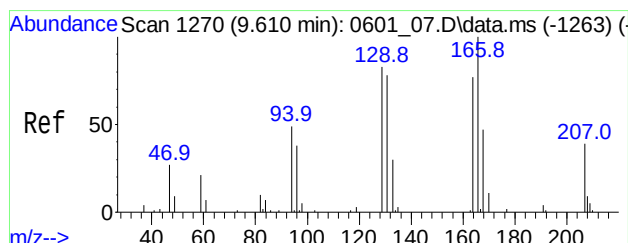
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	10820		
103	65.7	55.4	83.2	
66	12.6	11.4	17.0	



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.788 min Scan# 729
Delta R.T. 0.008 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 6:12 pm

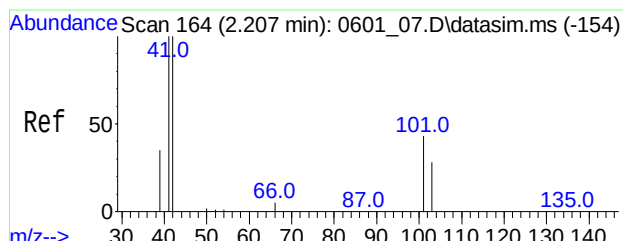
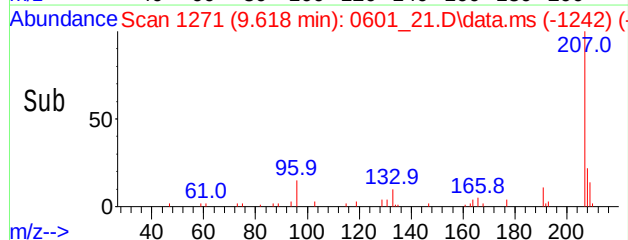
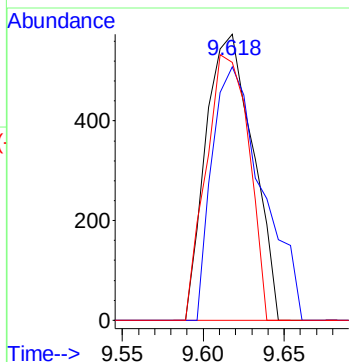
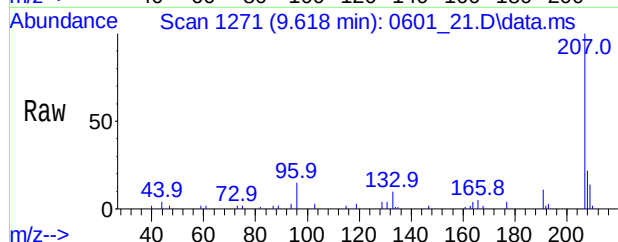
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2951		
119	97.7	75.0	115.0	
121	26.6	6.8	46.8	





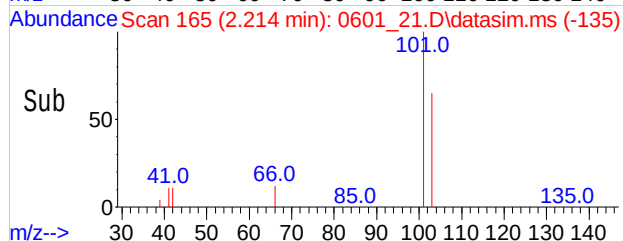
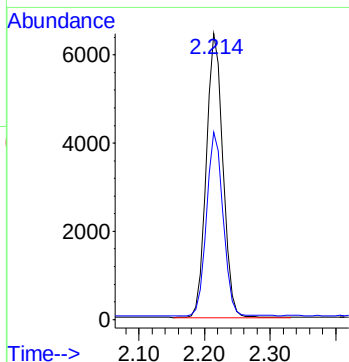
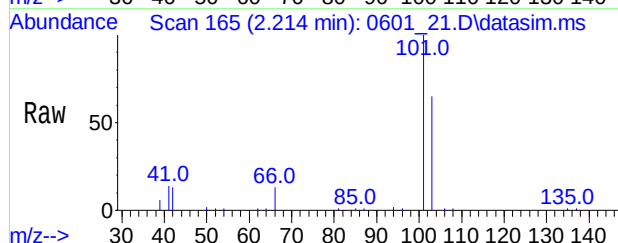
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 9.618 min Scan# 1271
Delta R.T. 0.008 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 6:12 pm

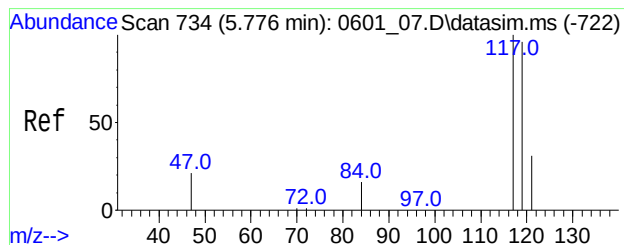
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1160		
164	94.5	61.0	91.6#	
129	84.3	63.7	95.5	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.213 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 6:12 pm

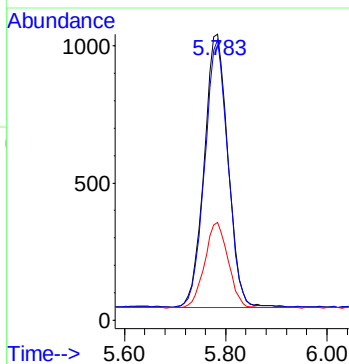
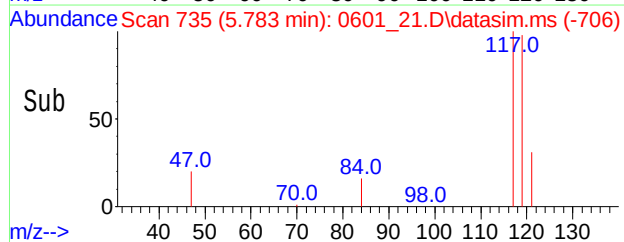
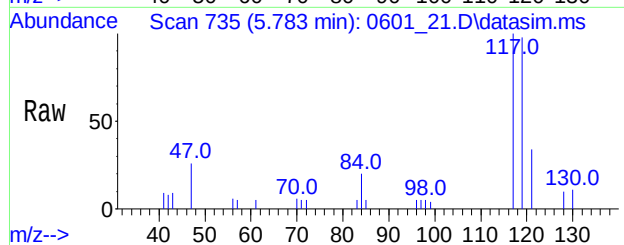
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	11209		
103	64.5	52.7	79.1	





#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.076 ppbv
RT: 5.783 min Scan# 735
Delta R.T. 0.007 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 6:12 pm

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3249		
119	95.6	76.6	115.0	
121	31.0	24.6	36.8	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

OA-2D

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CG03898
Canister:	28614	Lab File ID:	0601_22.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	06/01/20
Matrix:	AIR	Date Analyzed:	06/01/20
		Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.341		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	5.09	S	0.531	0.531	r
67-64-1	Acetone	1.63	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.232		0.178	0.178	r
67-63-0	Isopropylalcohol	0.476	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

OA-2D

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CG03898
Canister:	28614	Lab File ID:	0601_22.D
Instrument:	CHEM24	Column:	RTX-VMS
		Date Received:	06/01/20
Purge Volume	200 (cc)	Date Analyzed:	06/01/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
56-23-5	Carbon Tetrachloride(sim)	0.077		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.041		0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_22.D
 Acq On : 1 Jun 2020 6:49 pm
 Operator : Keith
 Client ID : OA-2D
 Lab ID : CG03898
 ALS Vial : 152 Sample Multiplier: 1

Quant Time: Jun 02 07:58:24 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

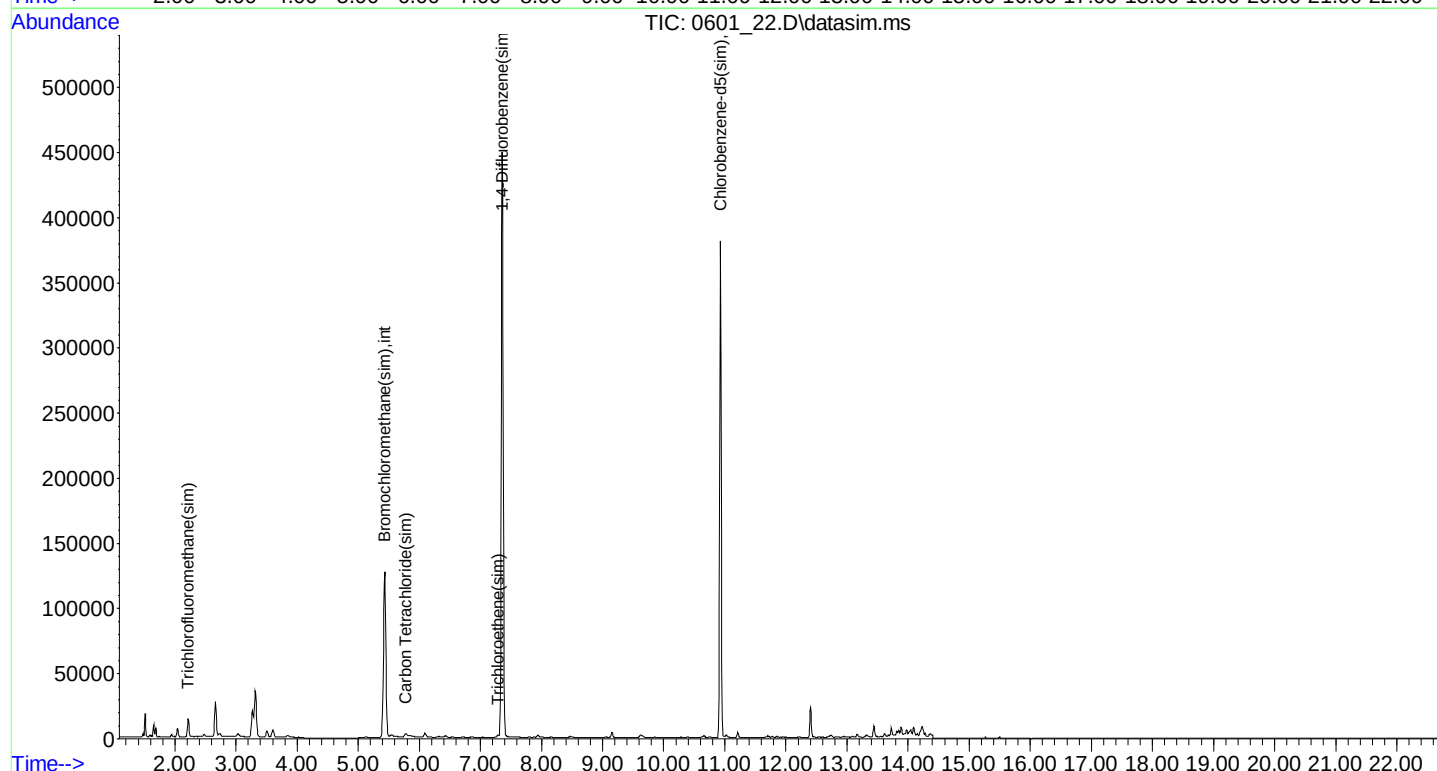
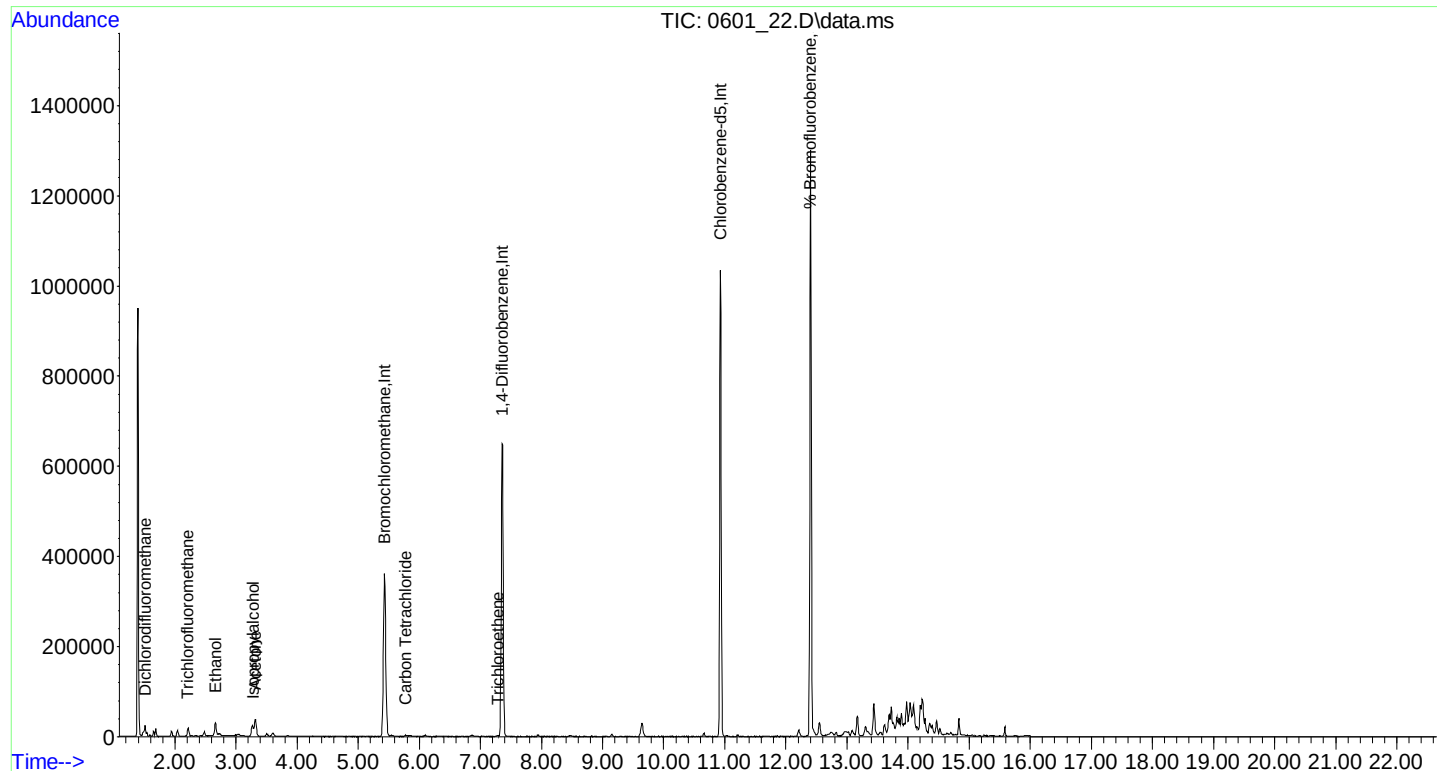
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.431	130	184930	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.360	114	651074	10.000	ng	0.00
53) Chlorobenzene-d5	10.928	82	344359	10.000	ng	0.00
80) Bromochloromethane(sim)	5.434	130	181480	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.357	114	701831	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.931	82	363390	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.402	95	463883	9.937	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.40%
Target Compounds						
3) Dichlorodifluoromethane	1.512	85	13389	0.341	ppbv	Qvalue 98
4) Chloromethane	1.649	50	9126	0.481	ppbv	99
10) Ethanol	2.663	45	32159	5.094	ppbv#	76
12) Acetone	3.320	43	56906	1.630	ppbv#	80
13) Trichlorofluoromethane	2.211	101	10817	0.232	ppbv	97
14) Isopropylalcohol	3.285	45	16515	0.476	ppbv#	1
34) Carbon Tetrachloride	5.777	117	2827	0.066	ppbv	88
39) Trichloroethene	7.285	130	1221	0.044	ppbv	96
84) Trichlorofluoromethane...	2.214	101	11100	0.216	ppbv	99
86) Carbon Tetrachloride(sim)	5.780	117	3230	0.077	ppbv	100
97) Trichloroethene(sim)	7.285	130	1153	0.041	ppbv	88

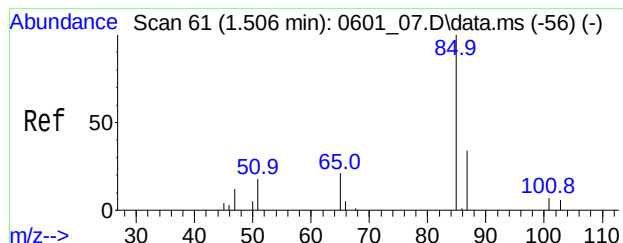
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_22.D
 Acq On : 1 Jun 2020 6:49 pm
 Operator : Keith
 Client ID : OA-2D
 Lab ID : CG03898
 ALS Vial : 152 Sample Multiplier: 1

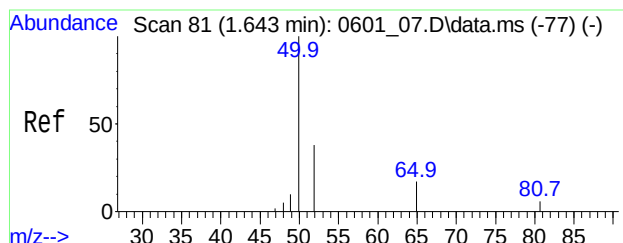
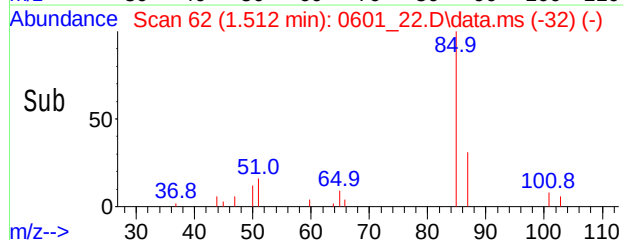
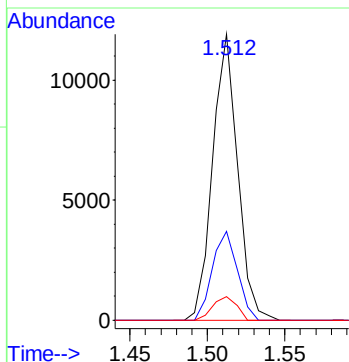
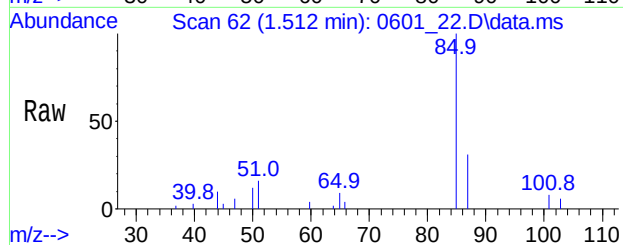
Quant Time: Jun 02 07:58:24 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration





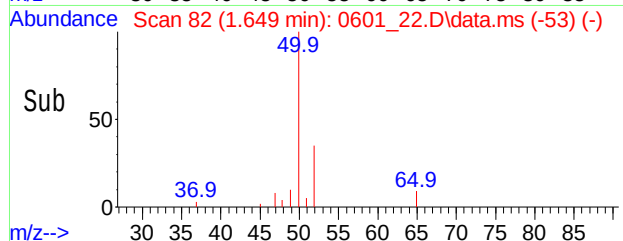
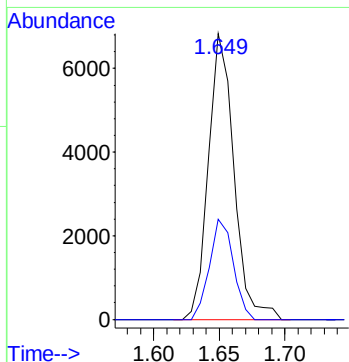
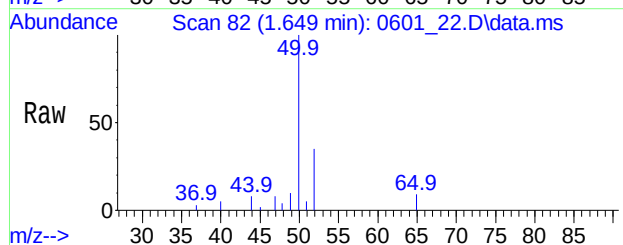
#3
Dichlorodifluoromethane
Conc: 8\$ 0.341 ppbv
RT: 1.512 min Scan# 62
Delta R.T. 0.006 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 6:49 pm

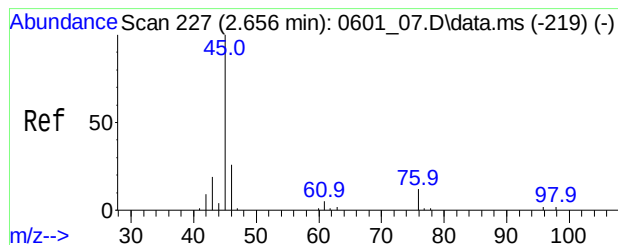
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	13389		
87	31.1	26.2	39.4	
101	7.8	6.2	9.4	



#4
Chloromethane
Conc: 8\$ 0.481 ppbv
RT: 1.649 min Scan# 82
Delta R.T. -0.001 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 6:49 pm

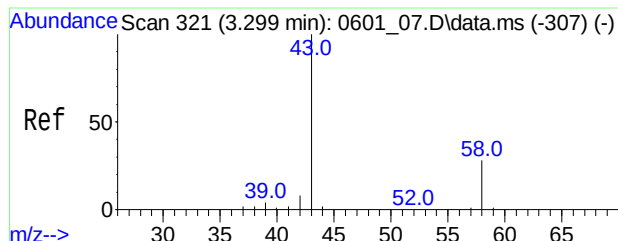
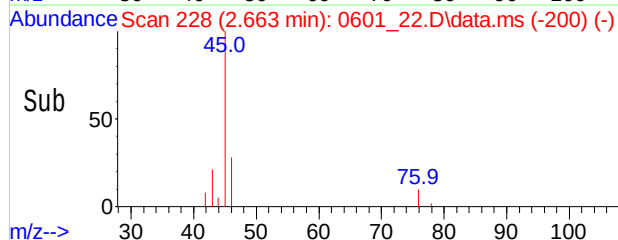
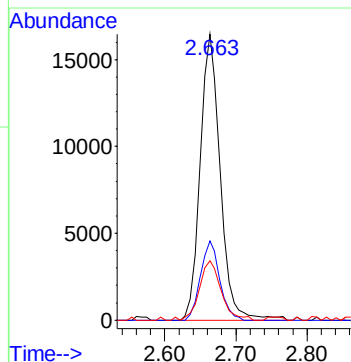
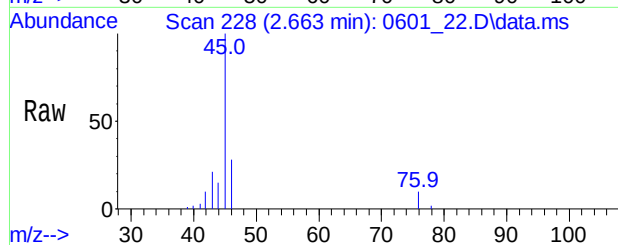
Tgt Ion	Ratio	Resp	Lower	Upper
50	100	9126		
52	32.6	12.2	52.2	





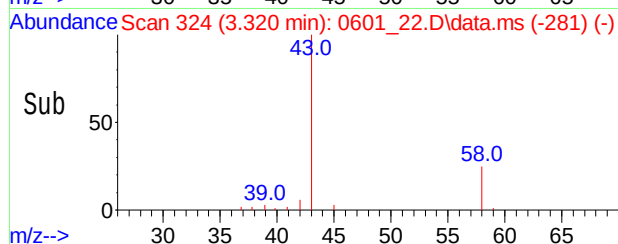
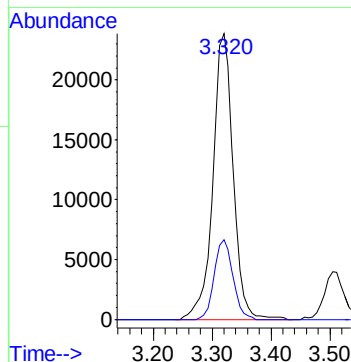
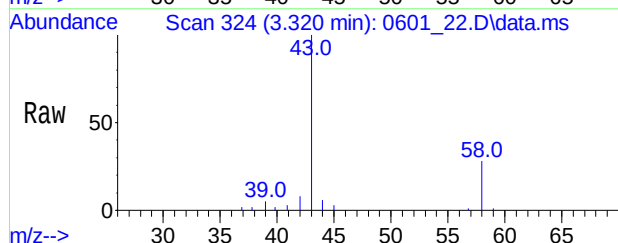
#10
Ethanol
Conc: 8\$ 5.094 ppbv
RT: 2.663 min Scan# 228
Delta R.T. 0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 6:49 pm

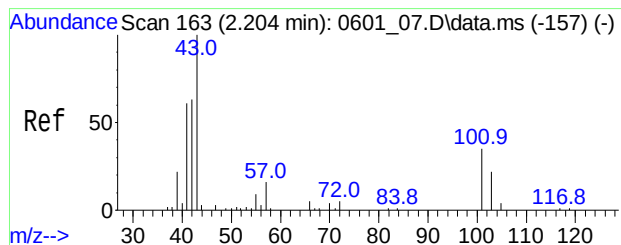
Tgt Ion: 45 Resp: 32159
Ion Ratio Lower Upper
45 100
46 26.3 0.0 0.0#
43 22.4 29.3 43.9#



#12
Acetone
Conc: 8\$ 1.630 ppbv
RT: 3.320 min Scan# 324
Delta R.T. -0.007 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 6:49 pm

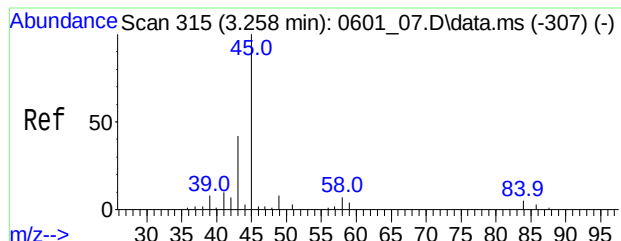
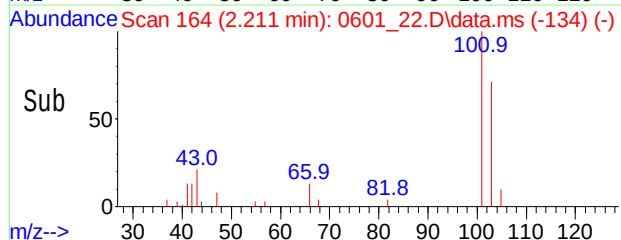
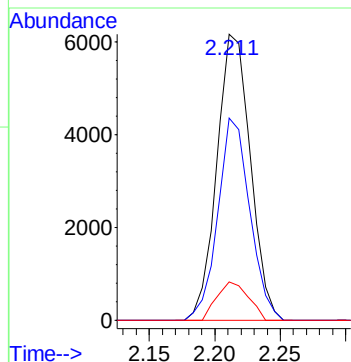
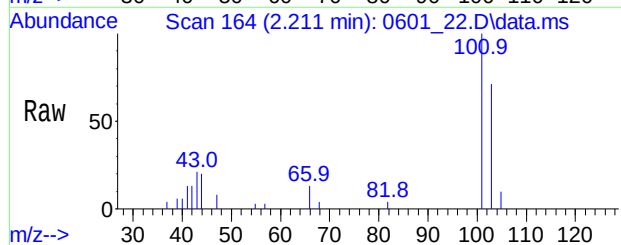
Tgt Ion: 43 Resp: 56906
Ion Ratio Lower Upper
43 100
58 25.8 13.8 20.6#





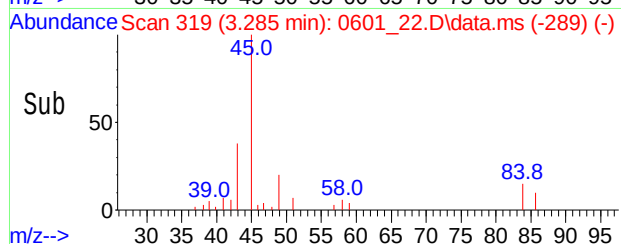
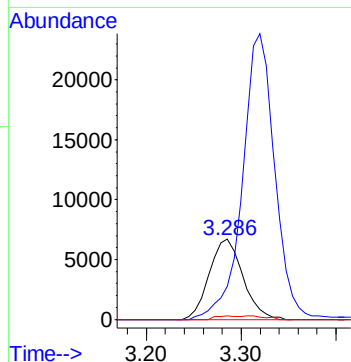
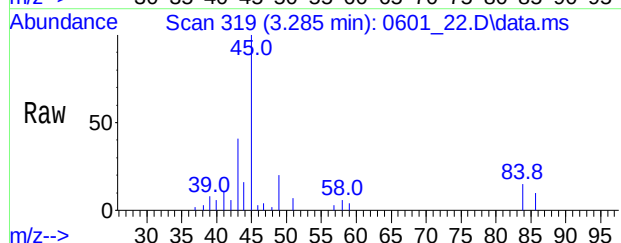
#13
Trichlorofluoromethane
Conc: 8\$ 0.232 ppbv
RT: 2.211 min Scan# 164
Delta R.T. 0.007 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 6:49 pm

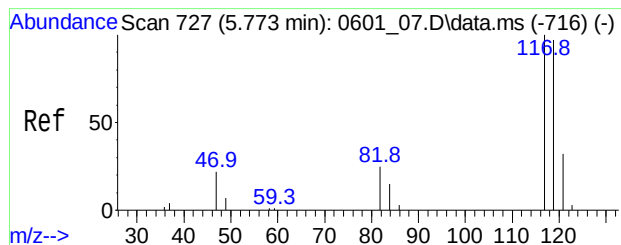
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	10817		
103	67.4	55.4	83.2	
66	12.6	11.4	17.0	



#14
Isopropylalcohol
Conc: 8\$ 0.476 ppbv
RT: 3.285 min Scan# 319
Delta R.T. 0.006 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 6:49 pm

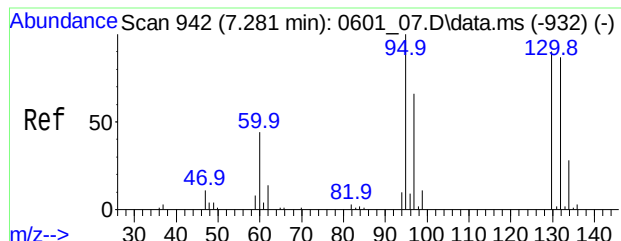
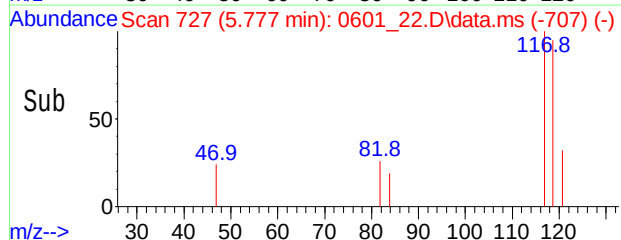
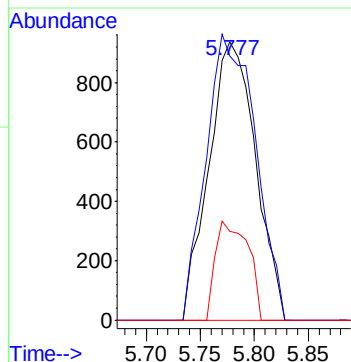
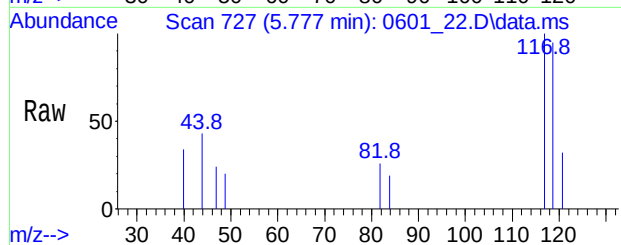
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	16515		
43	344.6	137.3	205.9#	
59	3.3	0.0	0.0#	





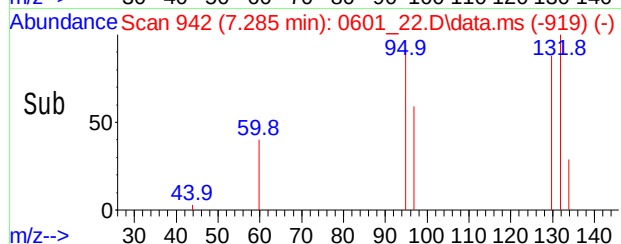
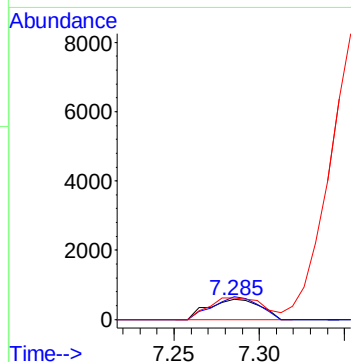
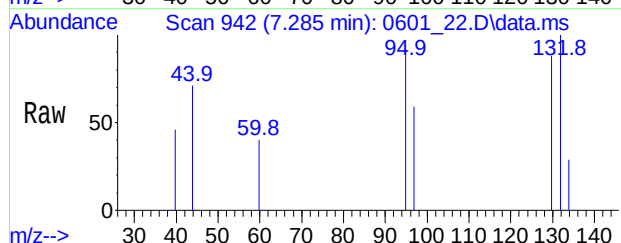
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.777 min Scan# 727
Delta R.T. -0.003 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 6:49 pm

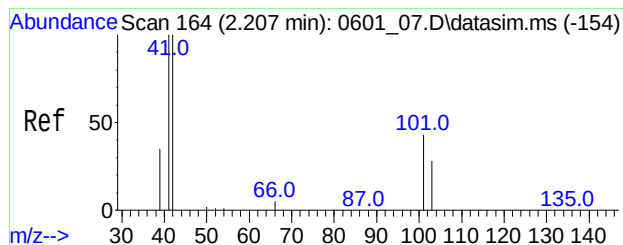
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2827		
119	108.4	75.0	115.0	
121	24.7	6.8	46.8	



#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 7.285 min Scan# 942
Delta R.T. 0.004 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 6:49 pm

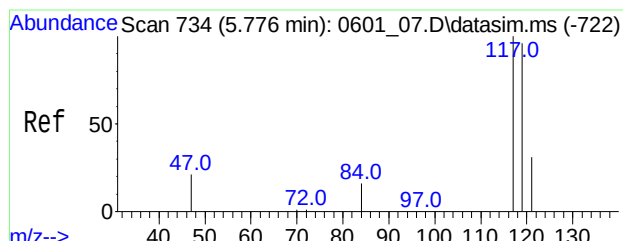
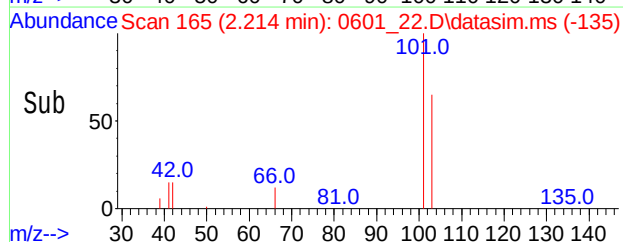
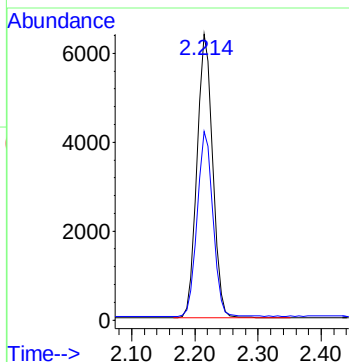
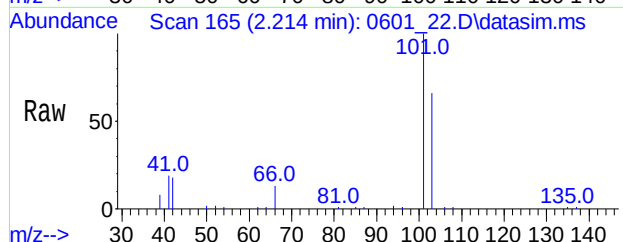
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	1221		
132	101.1	76.6	114.8	
95	115.6	89.6	134.4	





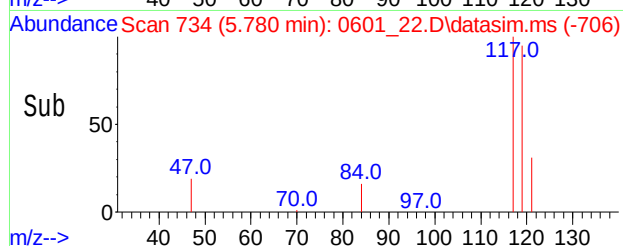
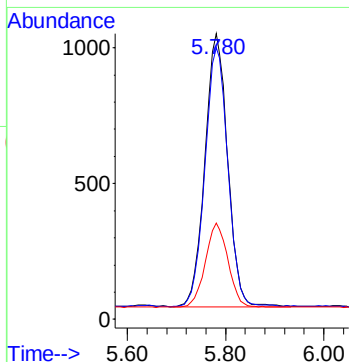
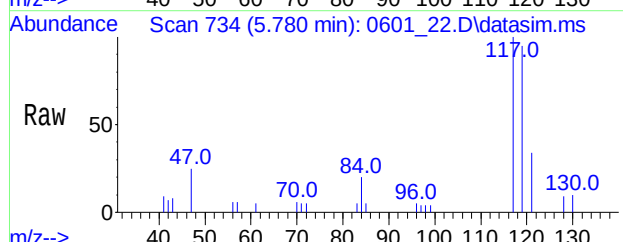
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.216 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 6:49 pm

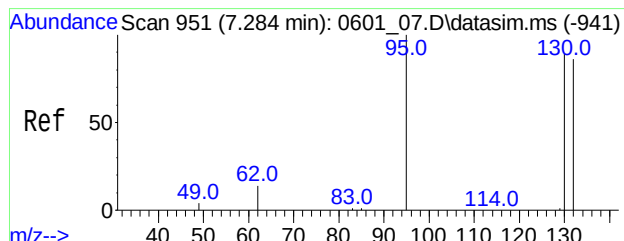
Tgt Ion: 101 Resp: 11100
Ion Ratio Lower Upper
101 100
103 65.3 52.7 79.1



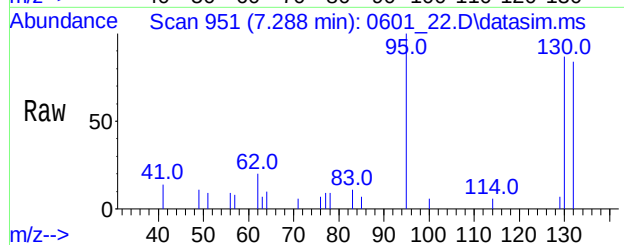
#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.077 ppbv
RT: 5.780 min Scan# 734
Delta R.T. 0.004 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 6:49 pm

Tgt Ion: 117 Resp: 3230
Ion Ratio Lower Upper
117 100
119 95.9 76.6 115.0
121 30.7 24.6 36.8

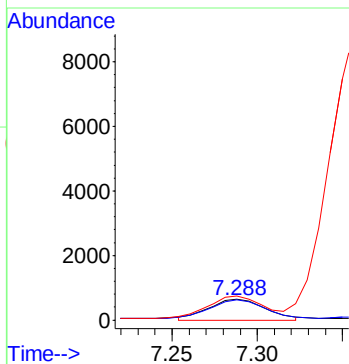
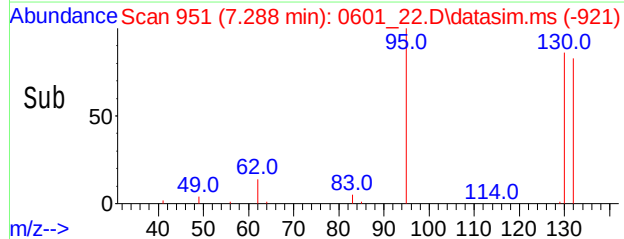




#97
 Trichloroethene(sim)
 Conc: 8\$ 0.041 ppbv
 RT: 7.285 min Scan# 951
 Delta R.T. 0.004 min
 Lab File: 0601_22.D
 Acq: 1 Jun 2020 6:49 pm



Tgt Ion: 130 Resp: 1153
 Ion Ratio Lower Upper
 130 100
 132 107.1 74.3 111.5
 95 122.4 89.6 134.4



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

IA-8

SDG No.: GCG03886

Lab Sample ID: CG03899

Canister: 28552

Lab File ID: 0601_23.D

Instrument: CHEM24 Column: RTX-VMS

Date Received: 06/01/20

Purge Volume 200 (cc)

Date Analyzed: 06/01/20

Matrix: AIR

Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.322		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	35.0	S	0.531	0.531	r
67-64-1	Acetone	2.54	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.240		0.178	0.178	r
67-63-0	Isopropylalcohol	1.33	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03899</u>
Canister:	<u>28552</u>	Lab File ID:	<u>0601_23.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>06/01/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
56-23-5	Carbon Tetrachloride(sim)	0.075		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_23.D
 Acq On : 1 Jun 2020 7:26 pm
 Operator : Keith
 Client ID : IA-8
 Lab ID : CG03899
 ALS Vial : 153 Sample Multiplier: 1

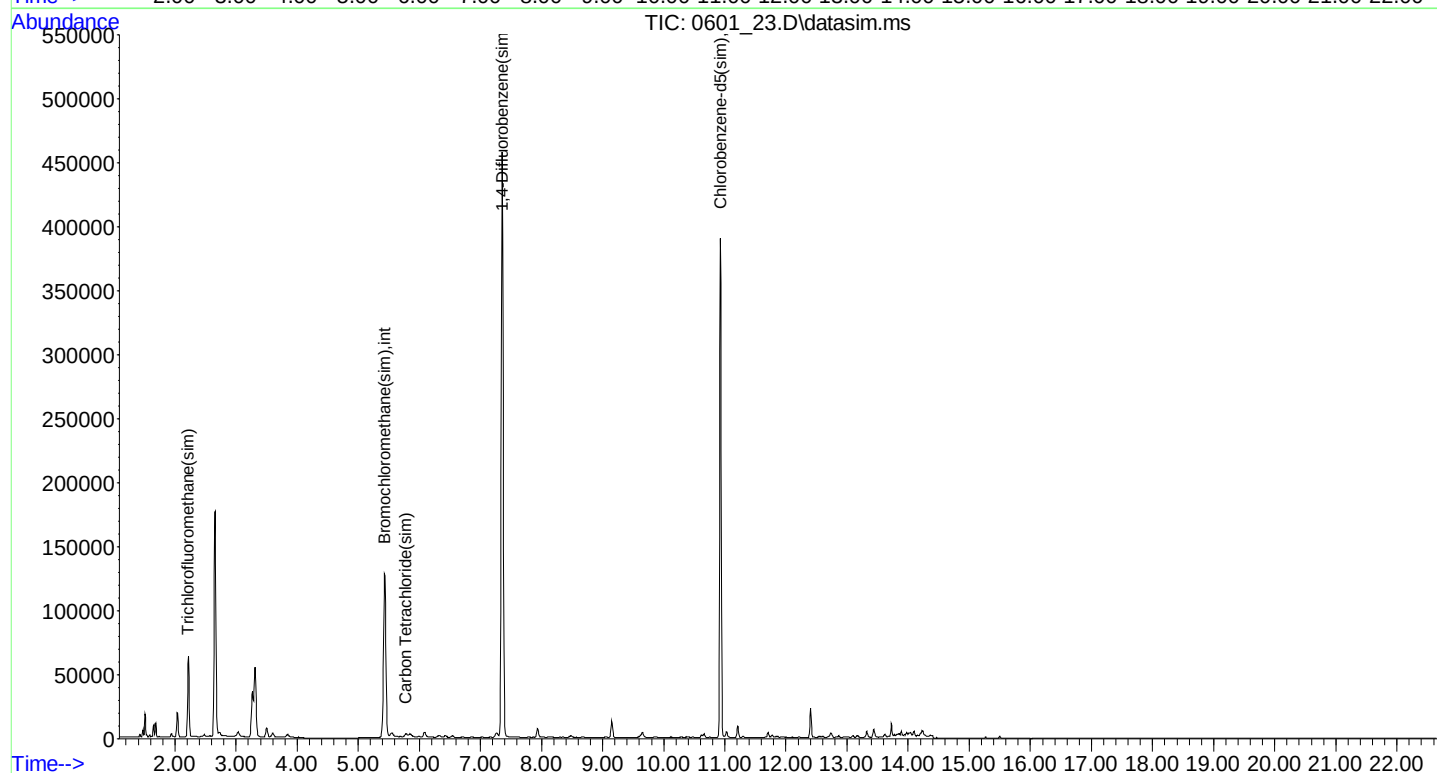
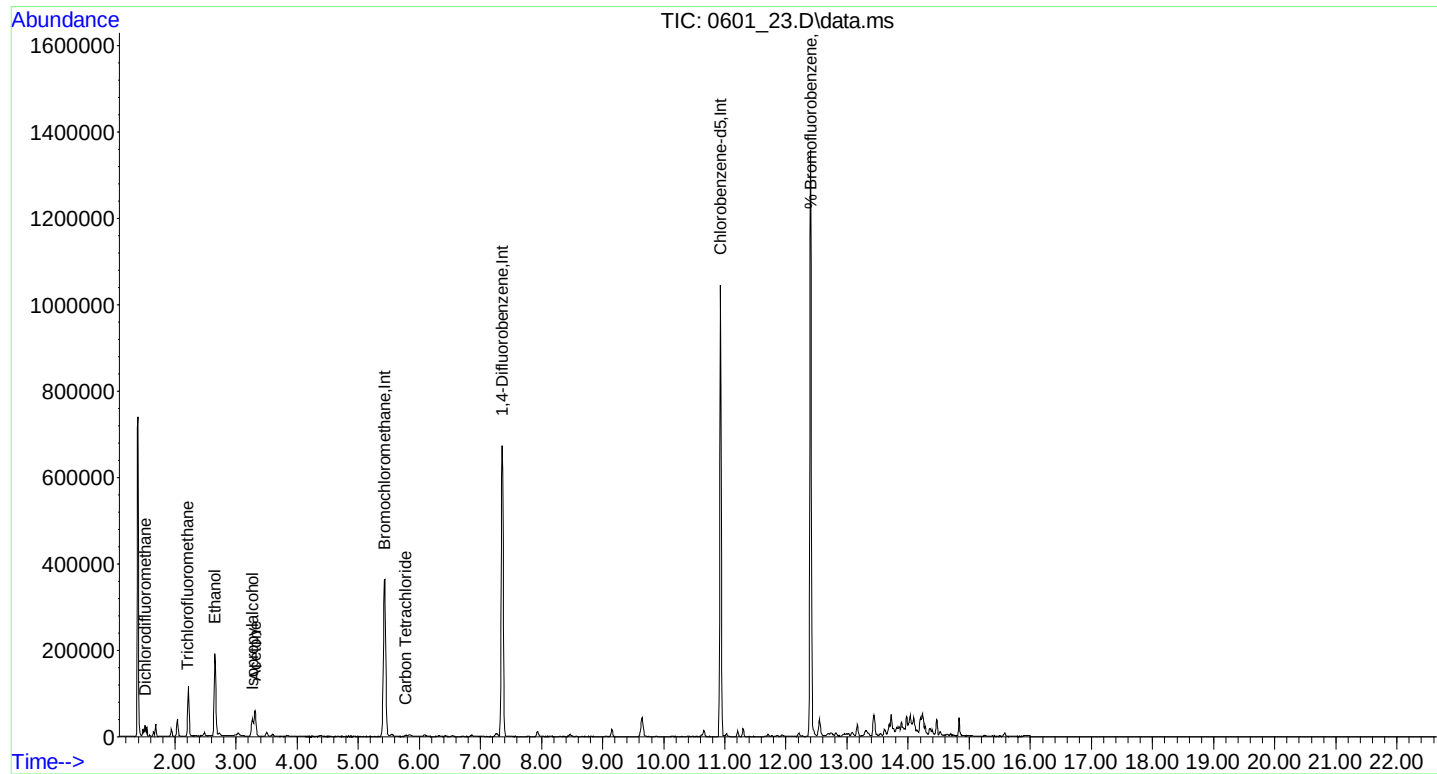
Quant Time: Jun 02 08:06:30 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

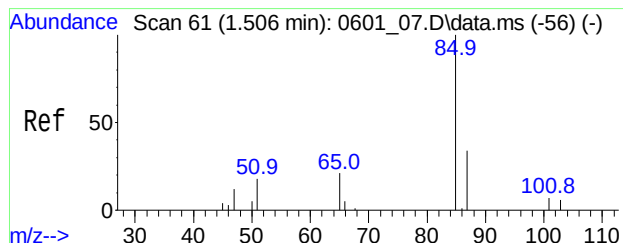
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.434	130	187727	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.356	114	661283	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	349549	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	183937	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	712814	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	369710	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.404	95	468996	9.898	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.00%
Target Compounds						
3) Dichlorodifluoromethane	1.512	85	12860	0.322	ppbv	Qvalue 97
10) Ethanol	2.656	45	224555	35.039	ppbv#	74
12) Acetone	3.313	43	89967	2.538	ppbv#	81
13) Trichlorofluoromethane	2.211	101	11359	0.240	ppbv	96
14) Isopropylalcohol	3.272	45	46751	1.328	ppbv	85
34) Carbon Tetrachloride	5.780	117	2883	0.066	ppbv	95
84) Trichlorofluoromethane...	2.214	101	11811	0.227	ppbv	99
86) Carbon Tetrachloride(sim)	5.783	117	3201	0.075	ppbv	100

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_23.D
Acq On : 1 Jun 2020 7:26 pm
Operator : Keith
Client ID : IA-8
Lab ID : CG03899
ALS Vial : 153 Sample Multiplier: 1

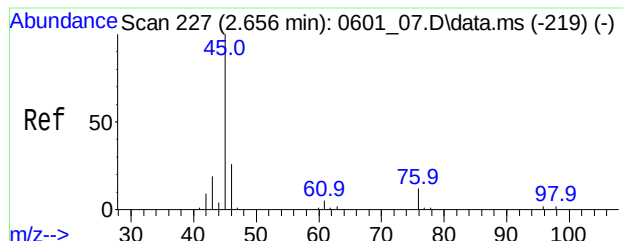
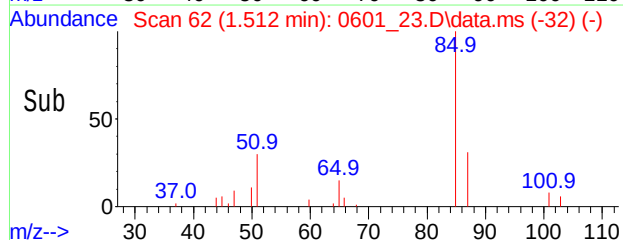
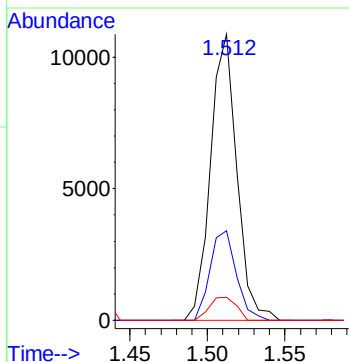
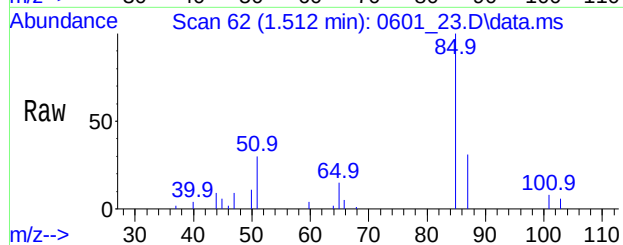
Quant Time: Jun 02 08:06:30 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





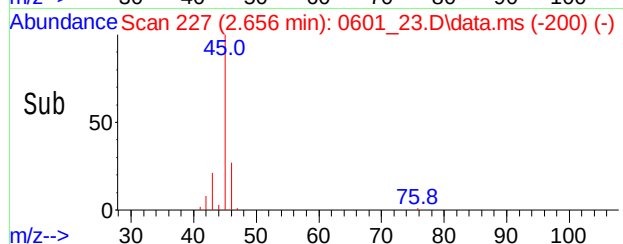
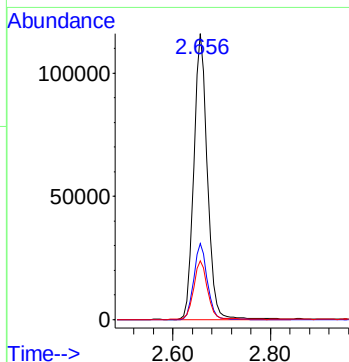
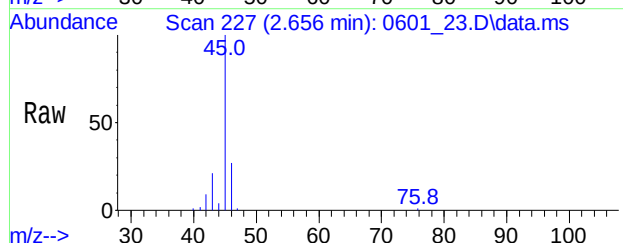
#3
Dichlorodifluoromethane
Conc: 8\$ 0.322 ppbv
RT: 1.512 min Scan# 62
Delta R.T. 0.006 min
Lab File: 0601_23.D
Acq: 1 Jun 2020 7:26 pm

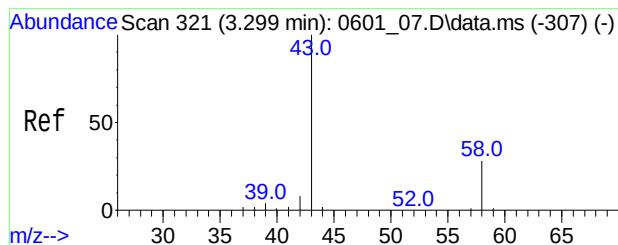
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	12860		
87	31.1	26.2	39.4	
101	8.1	6.2	9.4	



#10
Ethanol
Conc: 8\$ 35.039 ppbv
RT: 2.656 min Scan# 227
Delta R.T. -0.007 min
Lab File: 0601_23.D
Acq: 1 Jun 2020 7:26 pm

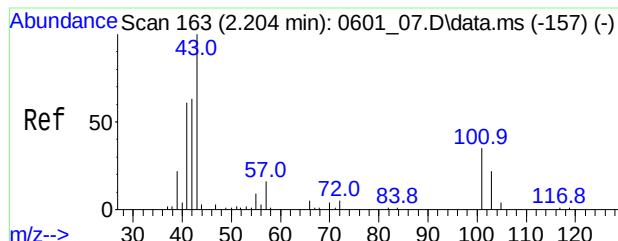
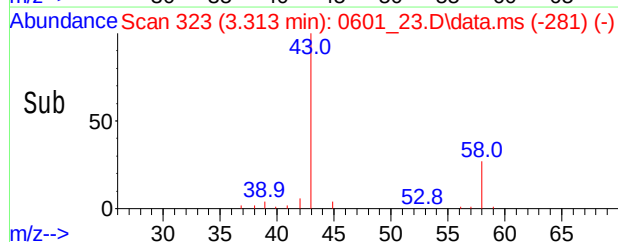
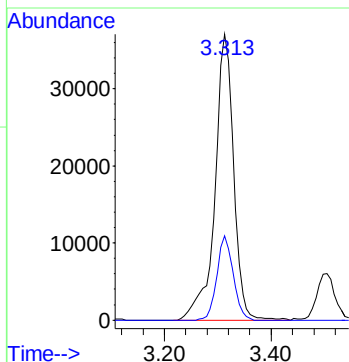
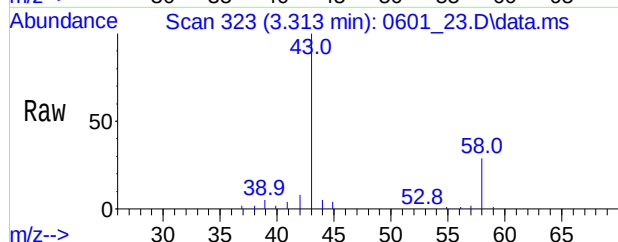
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	22455		
46	26.3	0.0	0.0#	
43	21.2	29.3	43.9#	





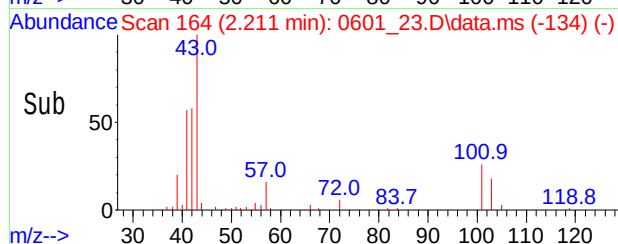
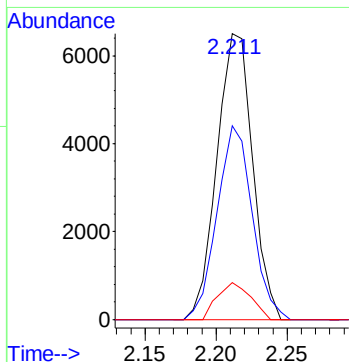
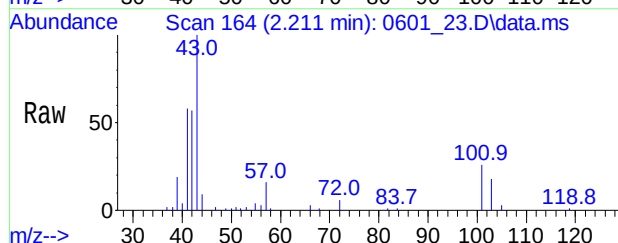
#12
Acetone
Conc: 8\$ 2.538 ppbv
RT: 3.313 min Scan# 323
Delta R.T. -0.014 min
Lab File: 0601_23.D
Acq: 1 Jun 2020 7:26 pm

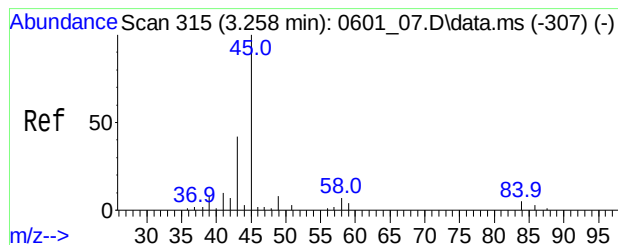
Tgt Ion: 43 Resp: 89967
Ion Ratio Lower Upper
43 100
58 25.5 13.8 20.6#



#13
Trichlorofluoromethane
Conc: 8\$ 0.240 ppbv
RT: 2.211 min Scan# 164
Delta R.T. 0.007 min
Lab File: 0601_23.D
Acq: 1 Jun 2020 7:26 pm

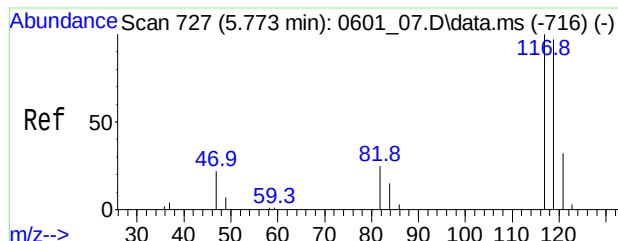
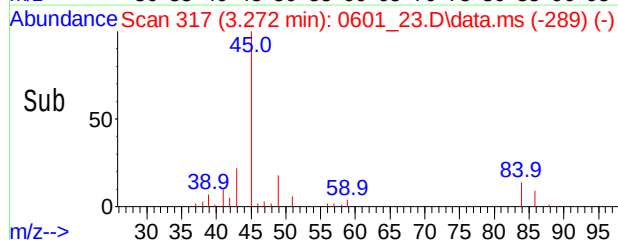
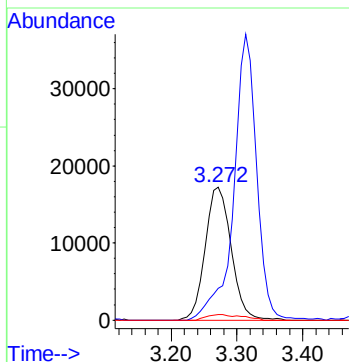
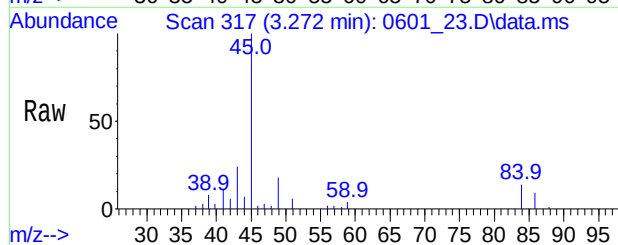
Tgt Ion: 101 Resp: 11359
Ion Ratio Lower Upper
101 100
103 66.7 55.4 83.2
66 12.0 11.4 17.0





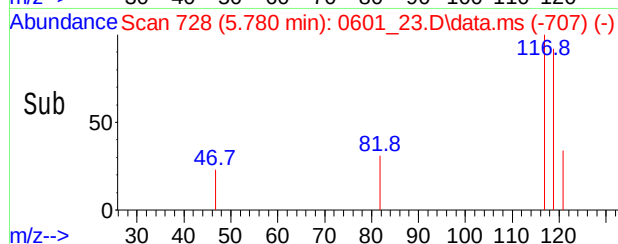
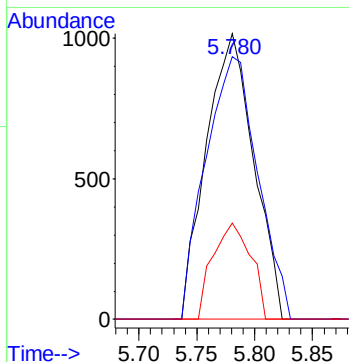
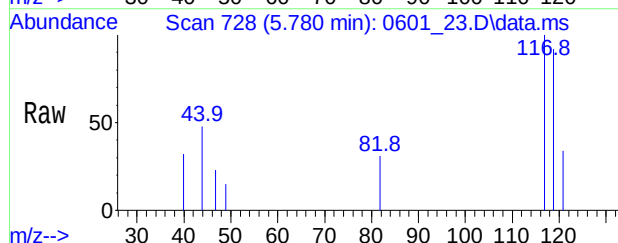
#14
Isopropylalcohol
Conc: 8\$ 1.328 ppbv
RT: 3.272 min Scan# 317
Delta R.T. -0.007 min
Lab File: 0601_23.D
Acq: 1 Jun 2020 7:26 pm

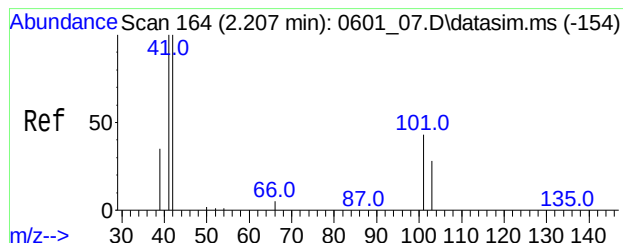
Tgt Ion: 45 Resp: 46751
Ion Ratio Lower Upper
45 100
43 192.4 137.3 205.9
59 3.6 0.0 0.0#



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.780 min Scan# 728
Delta R.T. 0.000 min
Lab File: 0601_23.D
Acq: 1 Jun 2020 7:26 pm

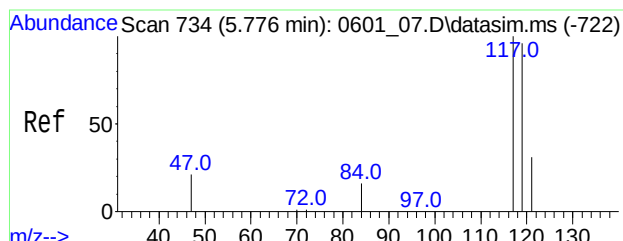
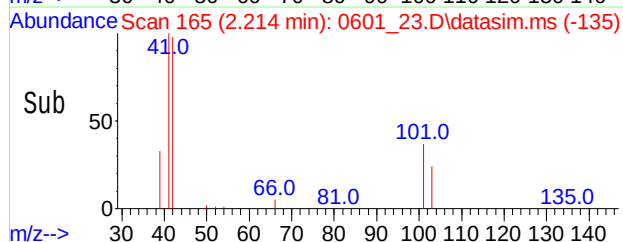
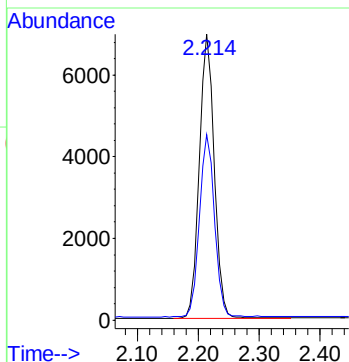
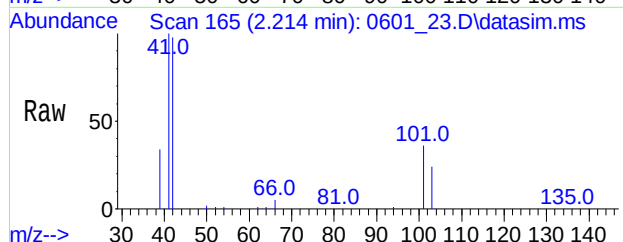
Tgt Ion: 117 Resp: 2883
Ion Ratio Lower Upper
117 100
119 100.7 75.0 115.0
121 26.8 6.8 46.8





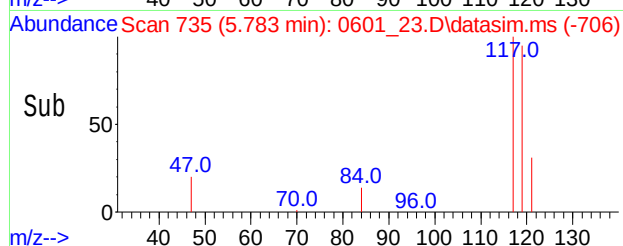
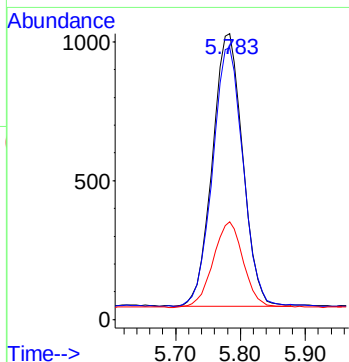
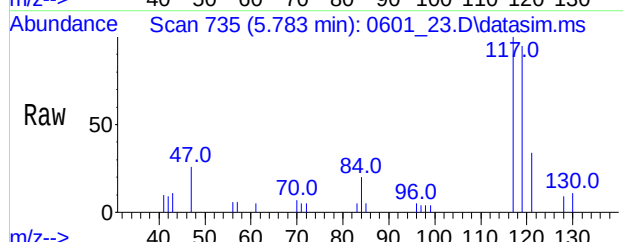
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.227 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_23.D
Acq: 1 Jun 2020 7:26 pm

Tgt Ion: 101 Resp: 11811
Ion Ratio Lower Upper
101 100
103 64.7 52.7 79.1



#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.075 ppbv
RT: 5.783 min Scan# 735
Delta R.T. 0.007 min
Lab File: 0601_23.D
Acq: 1 Jun 2020 7:26 pm

Tgt Ion: 117 Resp: 3201
Ion Ratio Lower Upper
117 100
119 95.6 76.6 115.0
121 31.3 24.6 36.8



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03900</u>
Canister:	<u>16010</u>	Lab File ID:	<u>0601_24.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>06/01/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.407		0.202	0.202	r
74-87-3	Chloromethane	0.538		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	47.5	ES	0.531	0.531	r
67-64-1	Acetone	3.71	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.268		0.178	0.178	r
67-63-0	Isopropylalcohol	2.18	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.517		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

IA-10

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03900

Canister: 16010 Lab File ID: 0601_24.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
56-23-5	Carbon Tetrachloride(sim)	0.079		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.270		0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_24.D
 Acq On : 1 Jun 2020 8:03 pm
 Operator : Keith
 Client ID : IA-10
 Lab ID : CG03900
 ALS Vial : 154 Sample Multiplier: 1

Quant Time: Jun 02 08:07:05 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

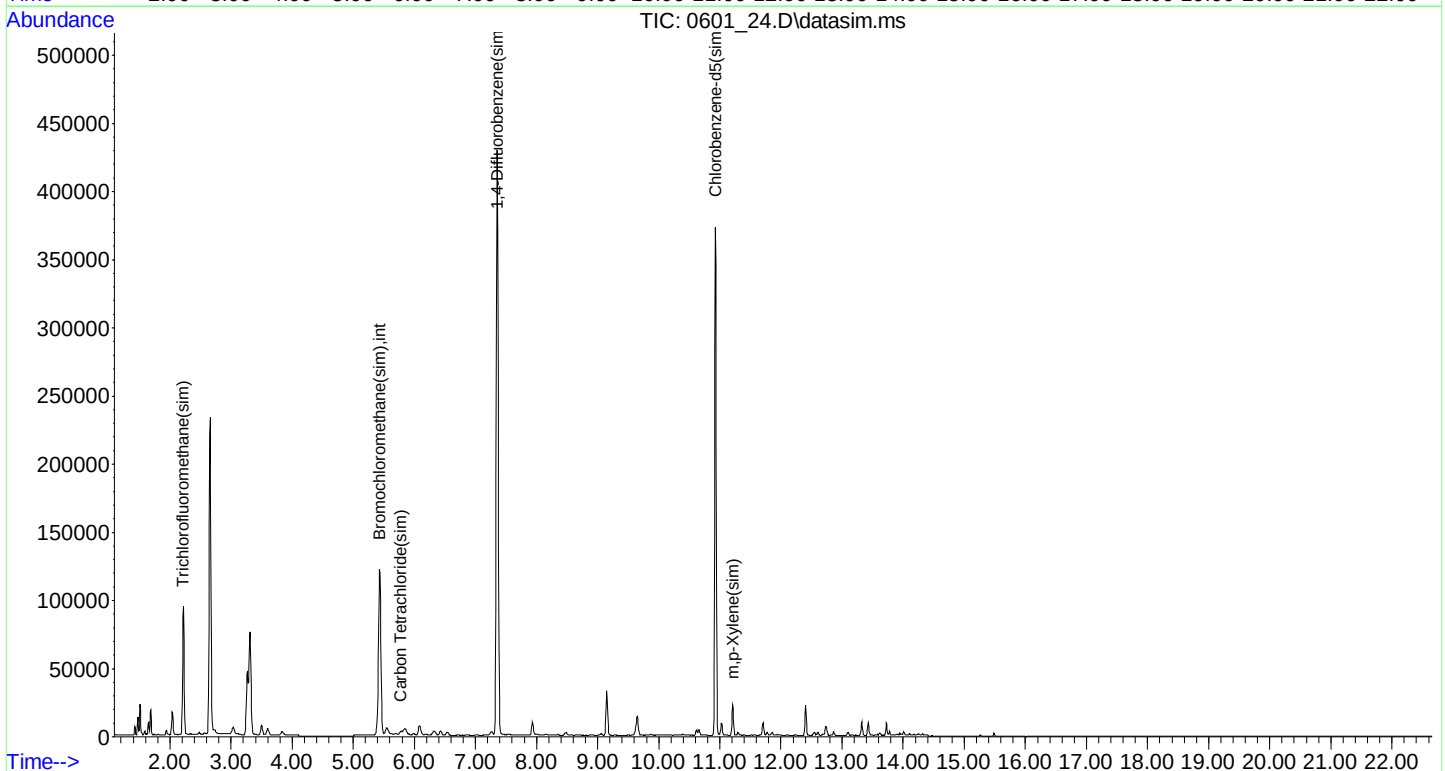
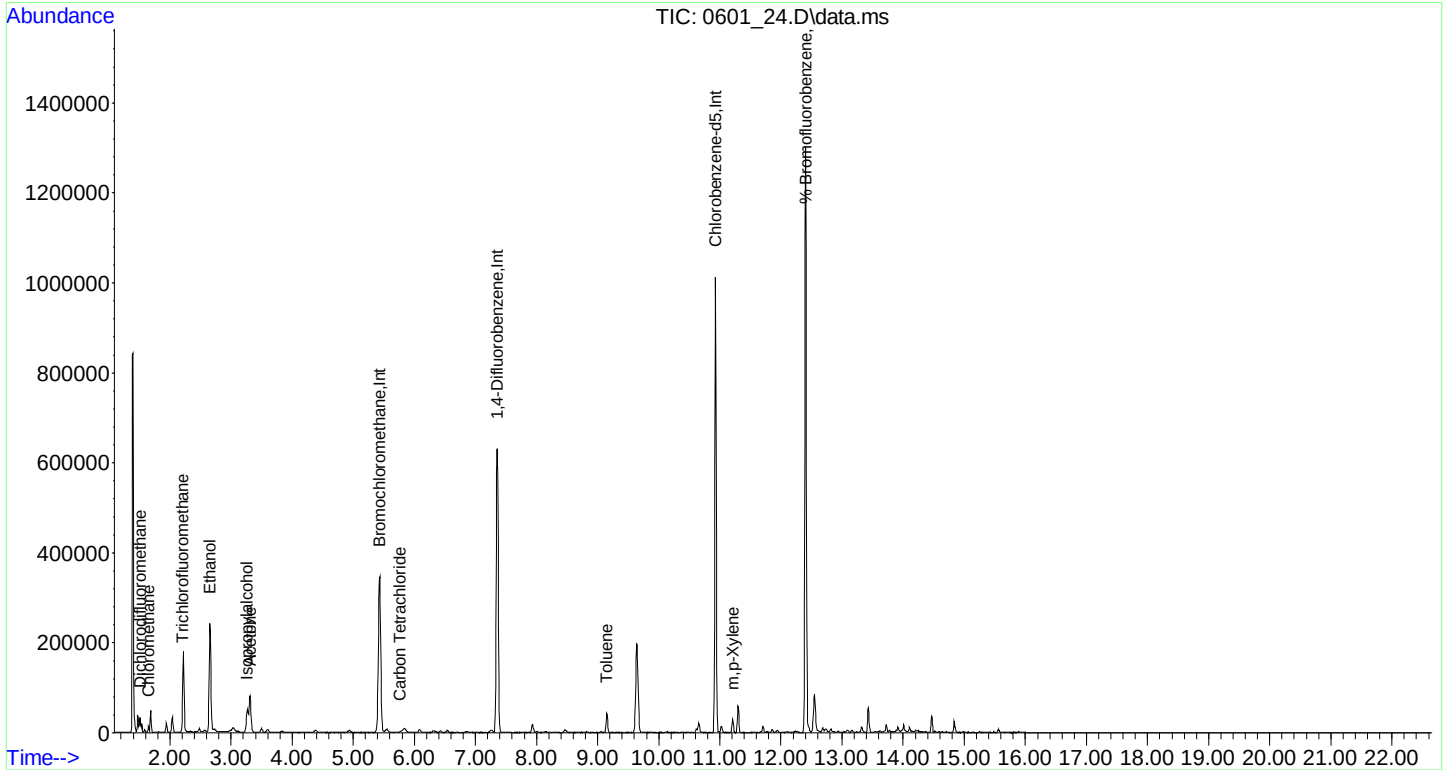
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.434	130	177611	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	623945	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	333517	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	174006	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	672502	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	352695	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.405	95	445690	9.858	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.60%
Target Compounds						
3) Dichlorodifluoromethane	1.513	85	15339	0.406	ppbv	Qvalue 98
4) Chloromethane	1.650	50	9807	0.538	ppbv	99
10) Ethanol	2.656	45	287889	47.480	ppbv#	73
12) Acetone	3.313	43	124494	3.712	ppbv#	83
13) Trichlorofluoromethane	2.211	101	12033	0.268	ppbv	97
14) Isopropylalcohol	3.265	45	72554	2.179	ppbv	100
34) Carbon Tetrachloride	5.773	117	3059	0.074	ppbv	99
48) Toluene	9.148	91	36175	0.517	ppbv	99
52) Tetrachloroethene	9.618	166	1088	0.033	ppbv#	72
57) m,p-Xylene	11.213	91	19102	0.288	ppbv	99
84) Trichlorofluoromethane...	2.214	101	12538	0.255	ppbv	98
86) Carbon Tetrachloride(sim)	5.776	117	3174	0.079	ppbv	100
103) Tetrachloroethene(sim)	9.618	166	1088	0.033	ppbv#	72
107) m,p-Xylene(sim)	11.213	91	19102	0.270	ppbv	99

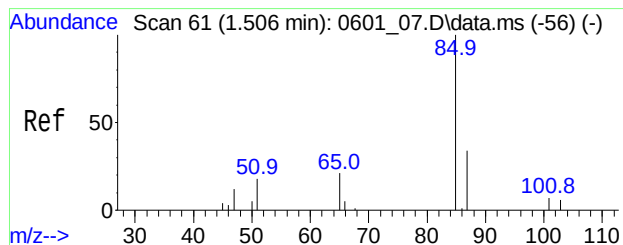
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_24.D
 Acq On : 1 Jun 2020 8:03 pm
 Operator : Keith
 Client ID : IA-10
 Lab ID : CG03900
 ALS Vial : 154 Sample Multiplier: 1

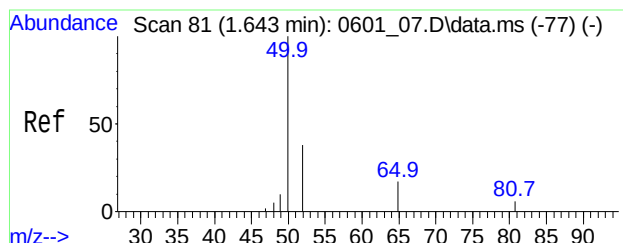
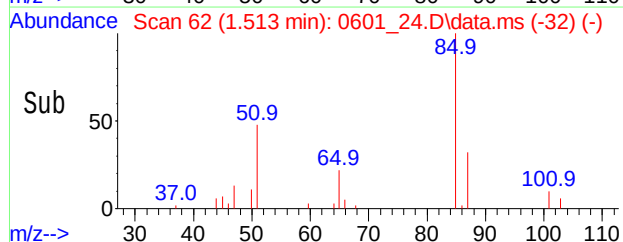
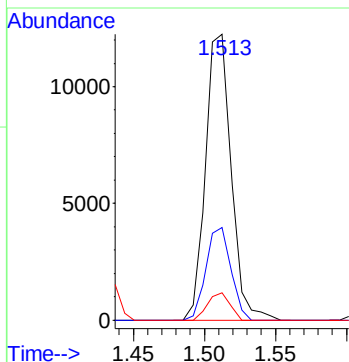
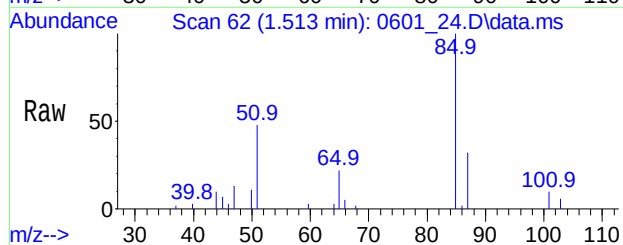
Quant Time: Jun 02 08:07:05 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration





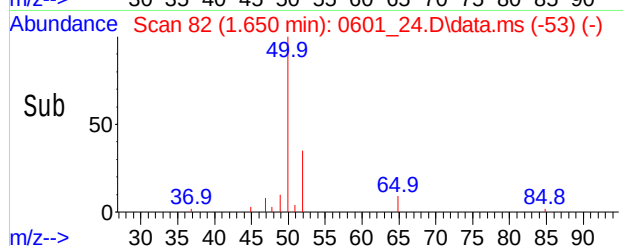
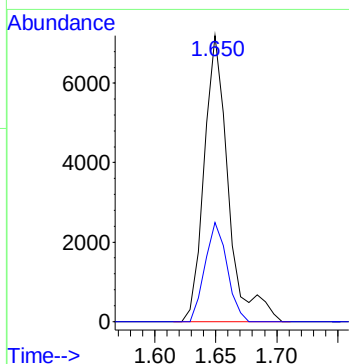
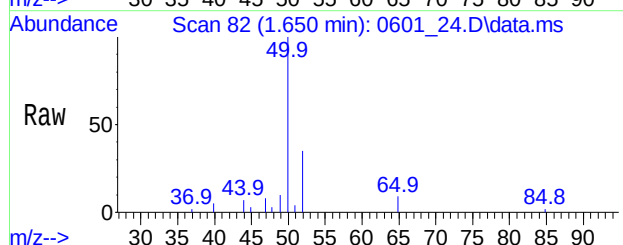
#3
Dichlorodifluoromethane
Conc: 8\$ 0.406 ppbv
RT: 1.513 min Scan# 62
Delta R.T. 0.006 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

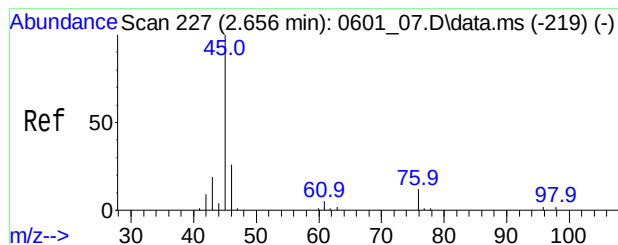
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	15339		
87	31.4	26.2	39.4	
101	8.2	6.2	9.4	



#4
Chloromethane
Conc: 8\$ 0.538 ppbv
RT: 1.650 min Scan# 82
Delta R.T. -0.000 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

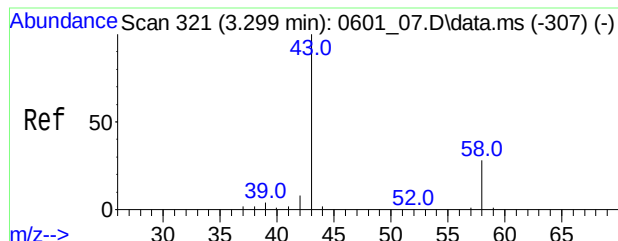
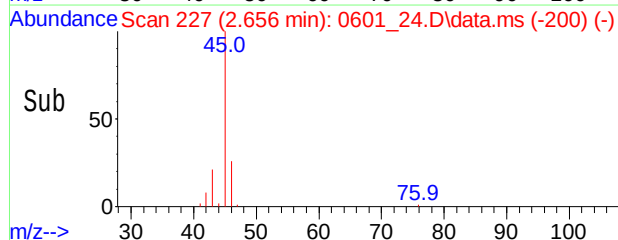
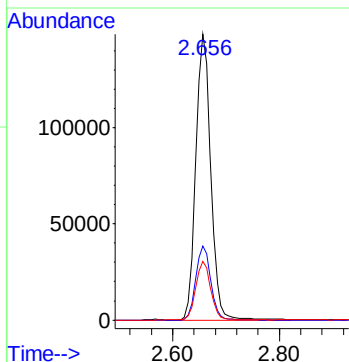
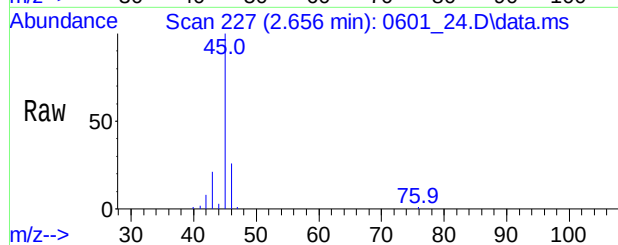
Tgt Ion	Ratio	Resp	Lower	Upper
50	100	9807		
52	31.7	12.2	52.2	





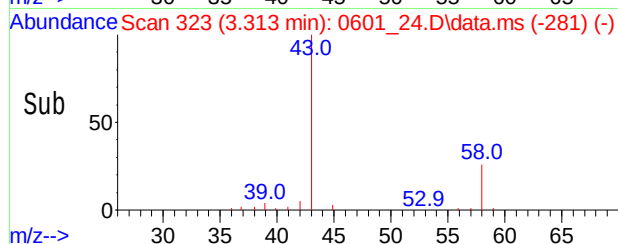
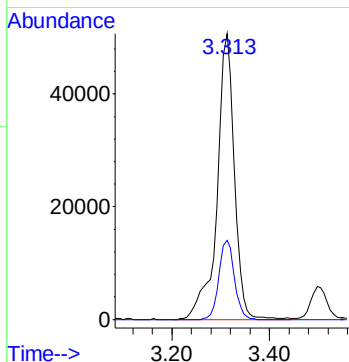
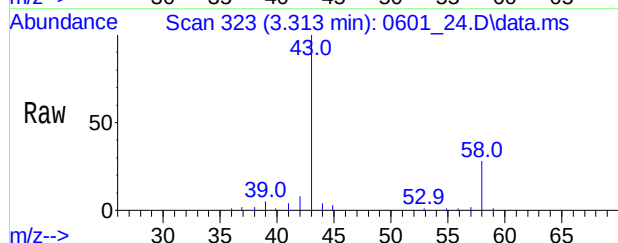
#10
Ethanol
Conc: 8\$ 47.480 ppbv
RT: 2.656 min Scan# 227
Delta R.T. -0.007 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

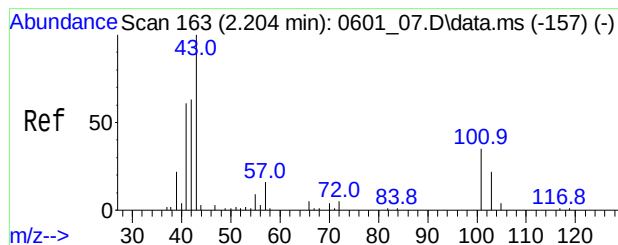
Tgt Ion: 45 Resp: 287889
Ion Ratio Lower Upper
45 100
46 25.8 0.0 0.0#
43 20.8 29.3 43.9#



#12
Acetone
Conc: 8\$ 3.712 ppbv
RT: 3.313 min Scan# 323
Delta R.T. -0.014 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

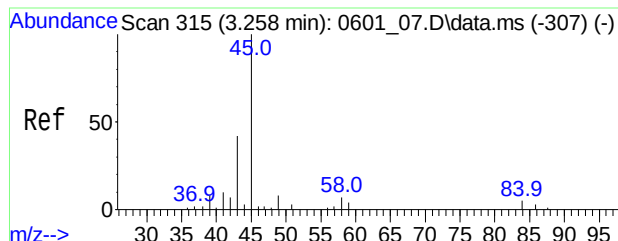
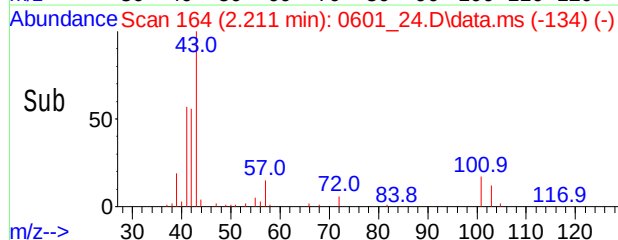
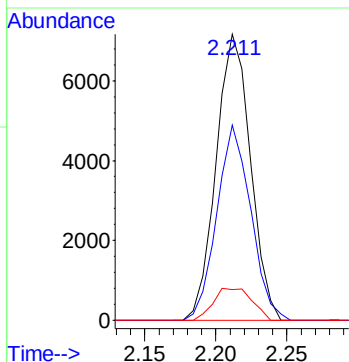
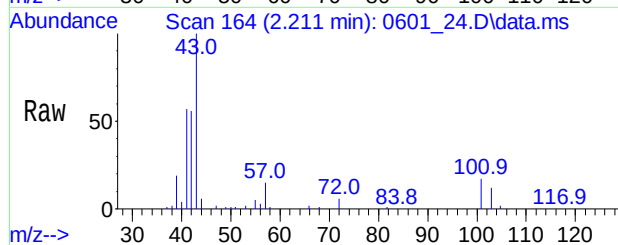
Tgt Ion: 43 Resp: 124494
Ion Ratio Lower Upper
43 100
58 24.8 13.8 20.6#





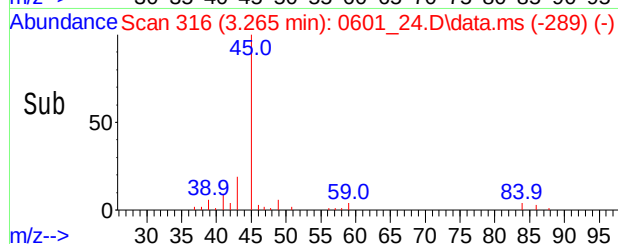
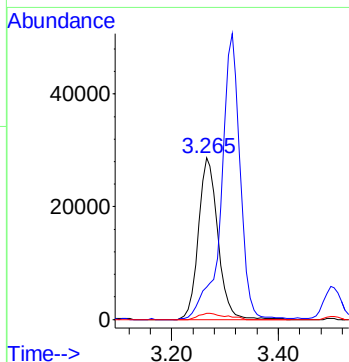
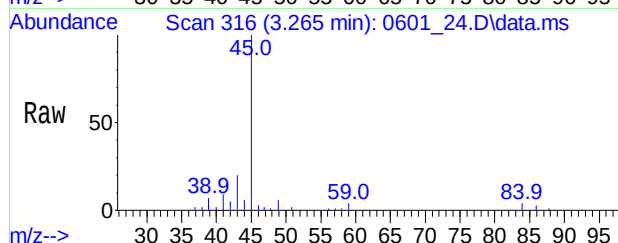
#13
Trichlorofluoromethane
Conc: 8\$ 0.268 ppbv
RT: 2.211 min Scan# 164
Delta R.T. 0.007 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

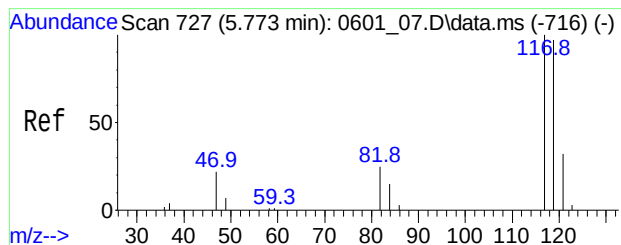
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	12033		
103	67.4	55.4	83.2	
66	12.6	11.4	17.0	



#14
Isopropylalcohol
Conc: 8\$ 2.179 ppbv
RT: 3.265 min Scan# 316
Delta R.T. -0.014 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

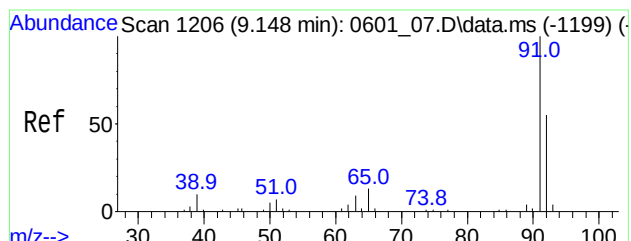
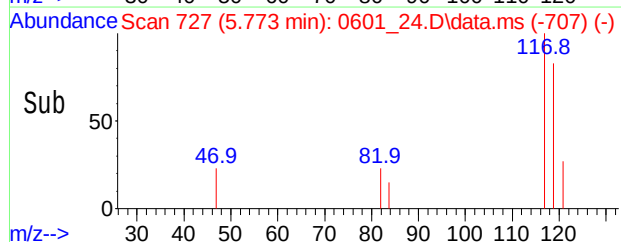
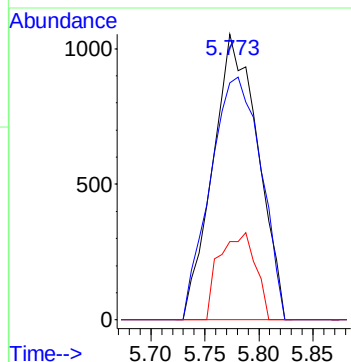
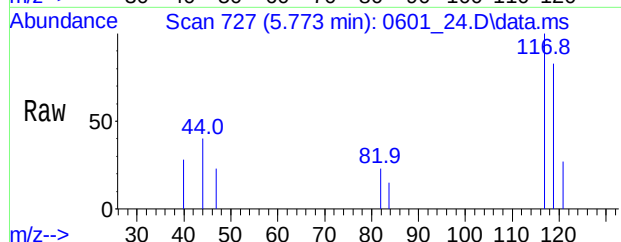
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	72554		
43	171.6	137.3	205.9	
59	5.3	0.0	0.0#	





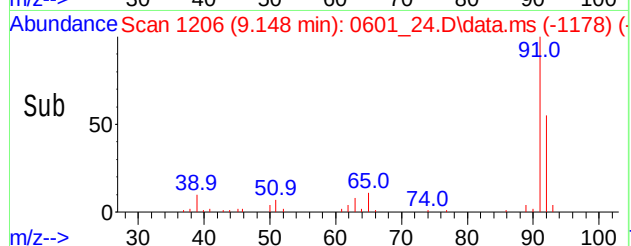
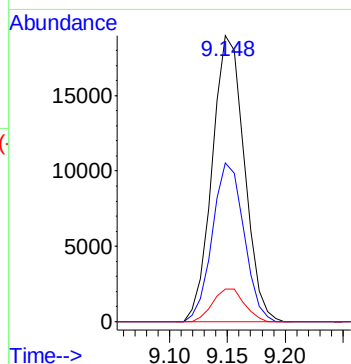
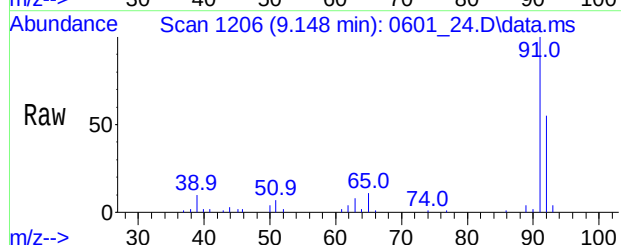
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.773 min Scan# 727
Delta R.T. -0.007 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

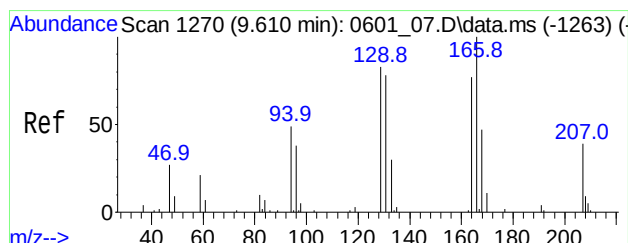
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3059		
119	95.6	75.0	115.0	
121	24.5	6.8	46.8	



#48
Toluene
Conc: 8\$ 0.517 ppbv
RT: 9.148 min Scan# 1206
Delta R.T. 0.000 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

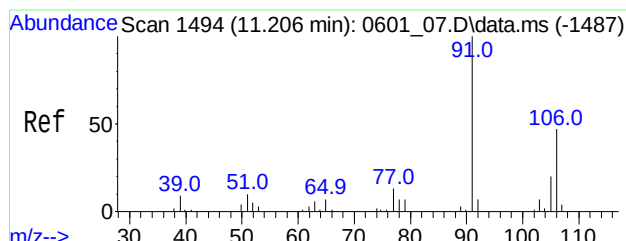
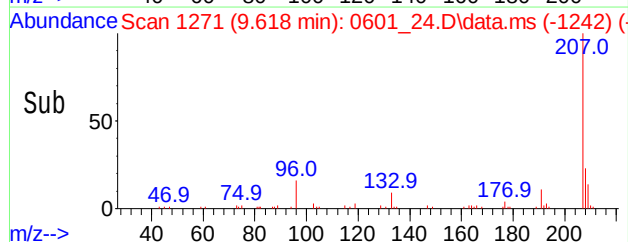
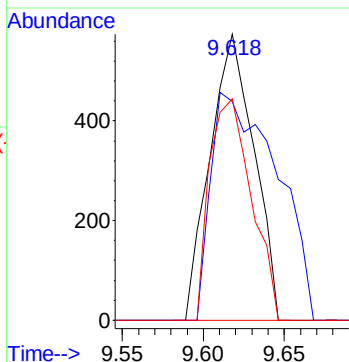
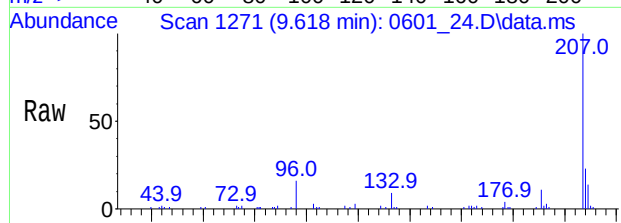
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	36175		
92	54.5	43.4	65.0	
65	11.2	8.2	12.4	





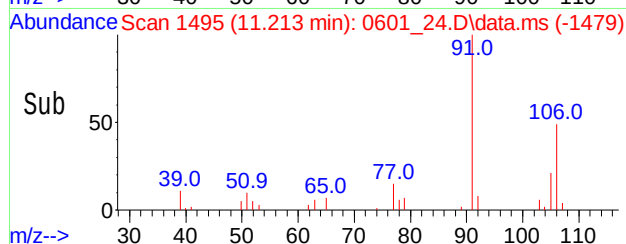
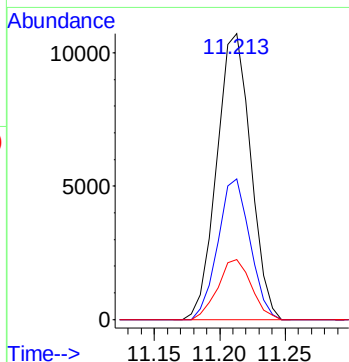
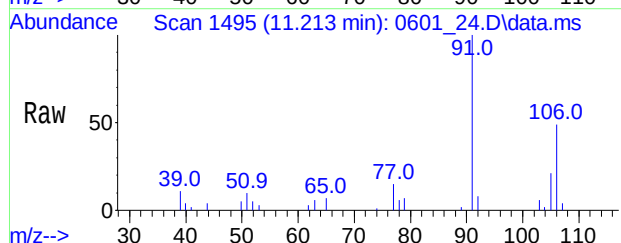
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 9.618 min Scan# 1271
Delta R.T. 0.008 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

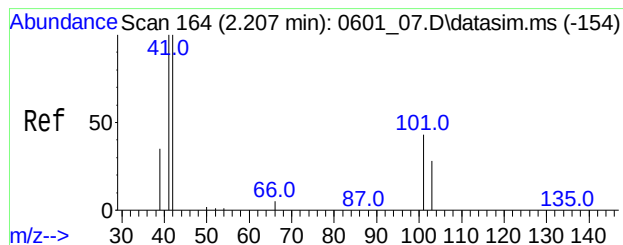
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1088		
164	118.8	61.0	91.6#	
129	73.6	63.7	95.5	



#57
m,p-Xylene
Conc: 8\$ 0.288 ppbv
RT: 11.213 min Scan# 1495
Delta R.T. 0.007 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

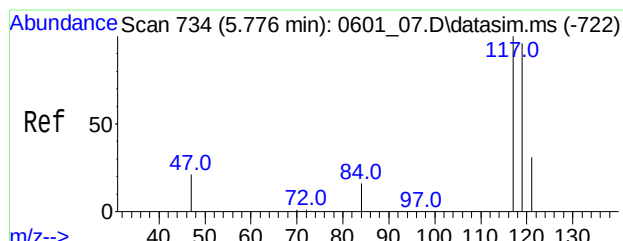
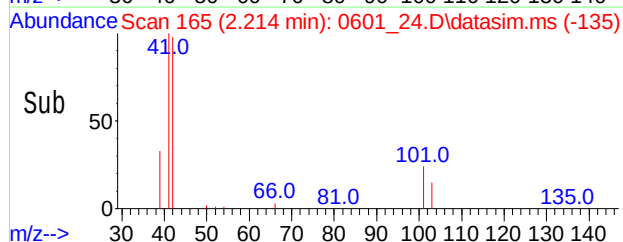
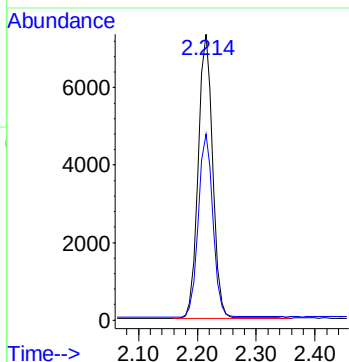
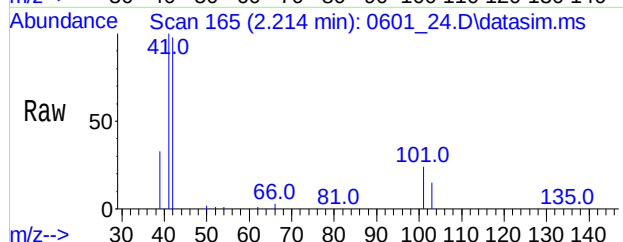
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	19102		
106	46.7	36.7	55.1	
105	20.8	16.9	25.3	





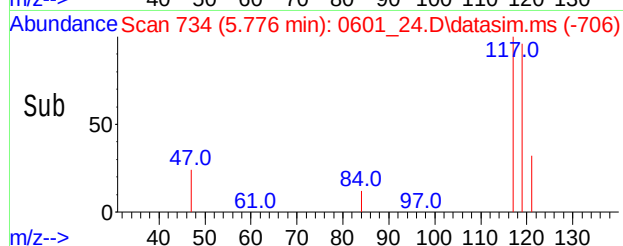
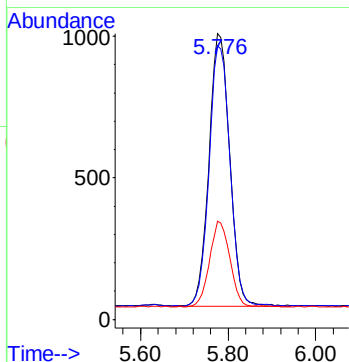
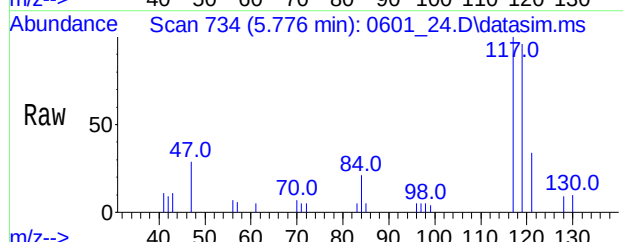
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.255 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.007 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

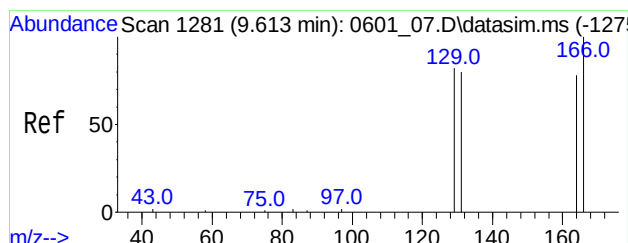
Tgt Ion: 101 Resp: 12538
Ion Ratio Lower Upper
101 100
103 64.5 52.7 79.1



#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.079 ppbv
RT: 5.776 min Scan# 734
Delta R.T. 0.000 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

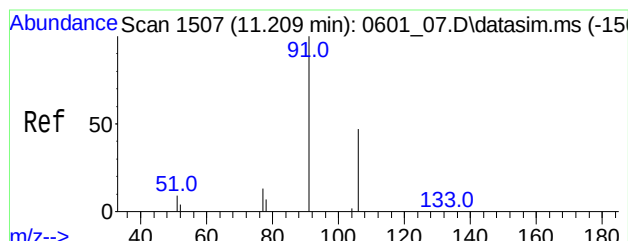
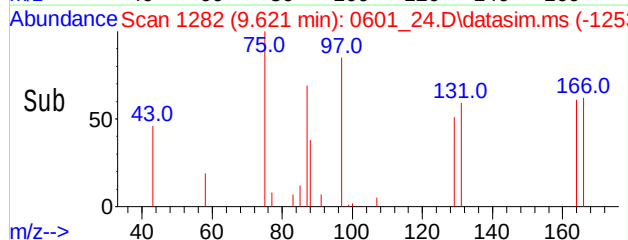
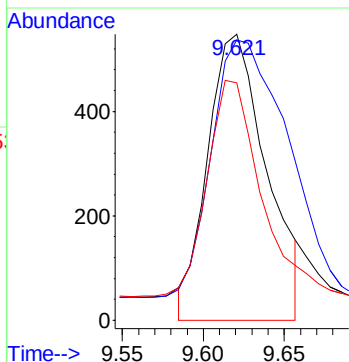
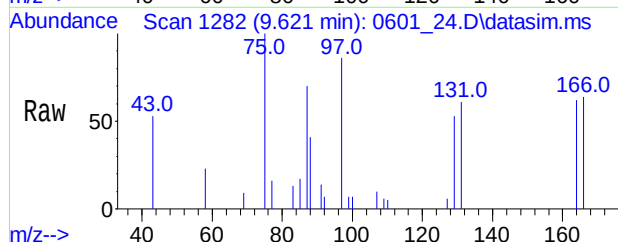
Tgt Ion: 117 Resp: 3174
Ion Ratio Lower Upper
117 100
119 95.9 76.6 115.0
121 30.6 24.6 36.8





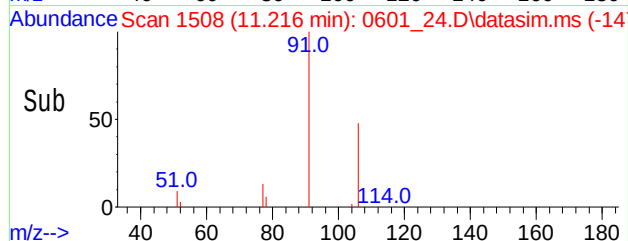
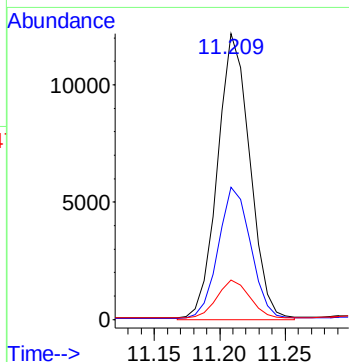
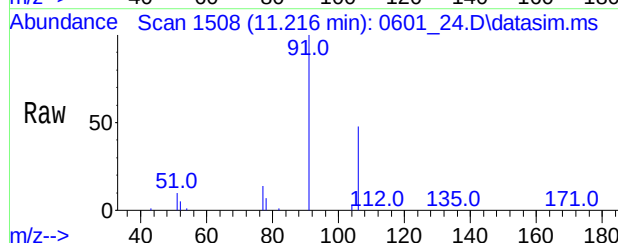
#103
Tetrachloroethene(sim)
Conc: 8\$ 0.033 ppbv
RT: 9.618 min Scan# 1282
Delta R.T. 0.008 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1088		
164	118.8	56.3	96.3	
129	73.6	59.6	99.6	



#107
m,p-Xylene(sim)
Conc: 8\$ 0.270 ppbv
RT: 11.213 min Scan# 1508
Delta R.T. 0.007 min
Lab File: 0601_24.D
Acq: 1 Jun 2020 8:03 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	19102		
106	46.7	41.3	50.5	
77	13.5	11.6	17.4	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03901</u>
Canister:	<u>173</u>	Lab File ID:	<u>0601_10.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>06/01/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.693		0.202	0.202	r
74-87-3	Chloromethane	0.636		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	60.4	ES	0.531	0.531	r
67-64-1	Acetone	6.08	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.259		0.178	0.178	r
67-63-0	Isopropylalcohol	2.51	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.460		0.339	0.339	r
110-54-3	Hexane	0.663	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.248		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.387		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	2.03		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.629		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.279		0.204	0.204	r
135-98-8	sec-Butylbenzene	0.182	U	0.182	0.182	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

IA-9

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CG03901
Canister:	173	Lab File ID:	0601_10.D
Instrument:	CHEM20	Column:	RTX-1 60M
Purge Volume	200	(cc)	06/01/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.092		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.040		0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.040		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_10.D
 Acq On : 1 Jun 2020 1:29 pm
 Operator :
 Client ID : IA-9
 Lab ID : CG03901
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 01 15:24:07 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

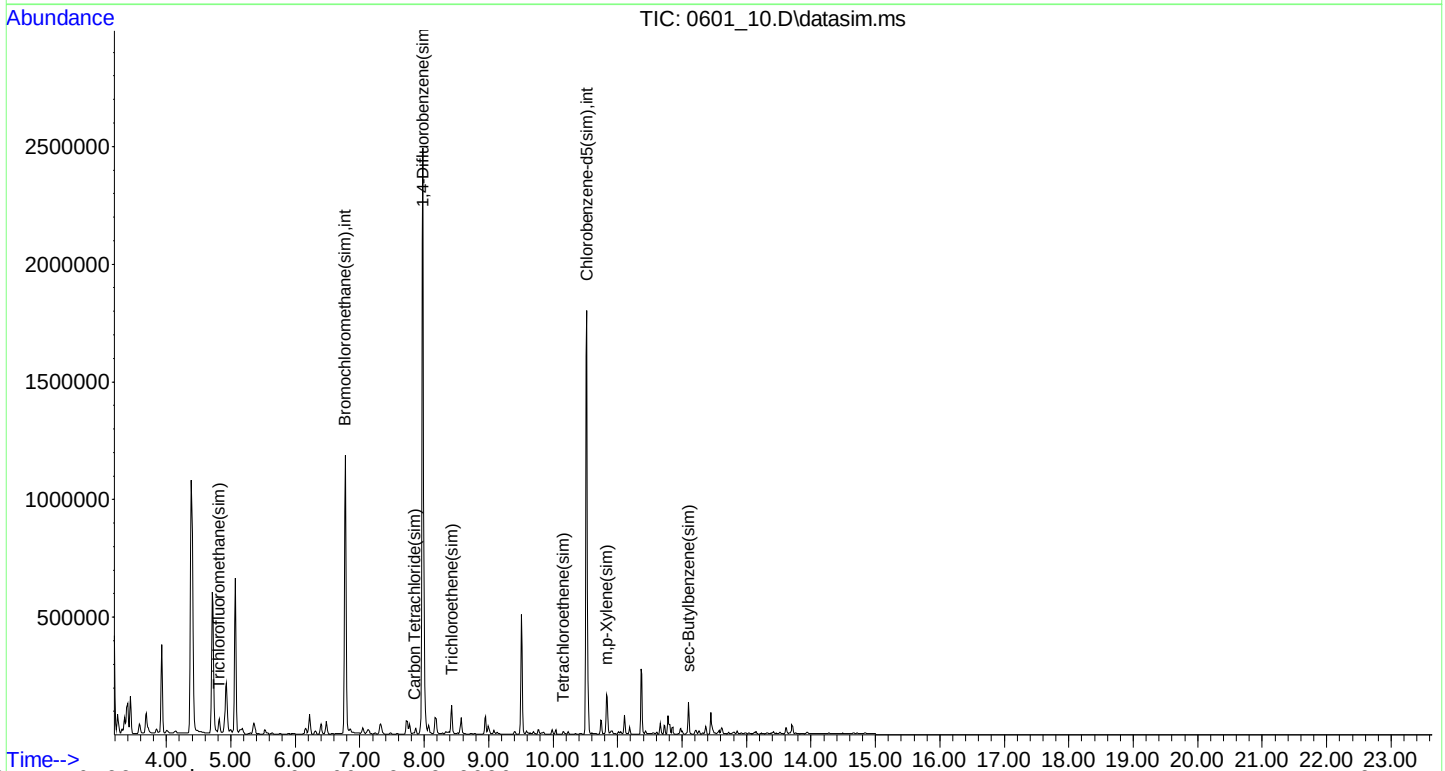
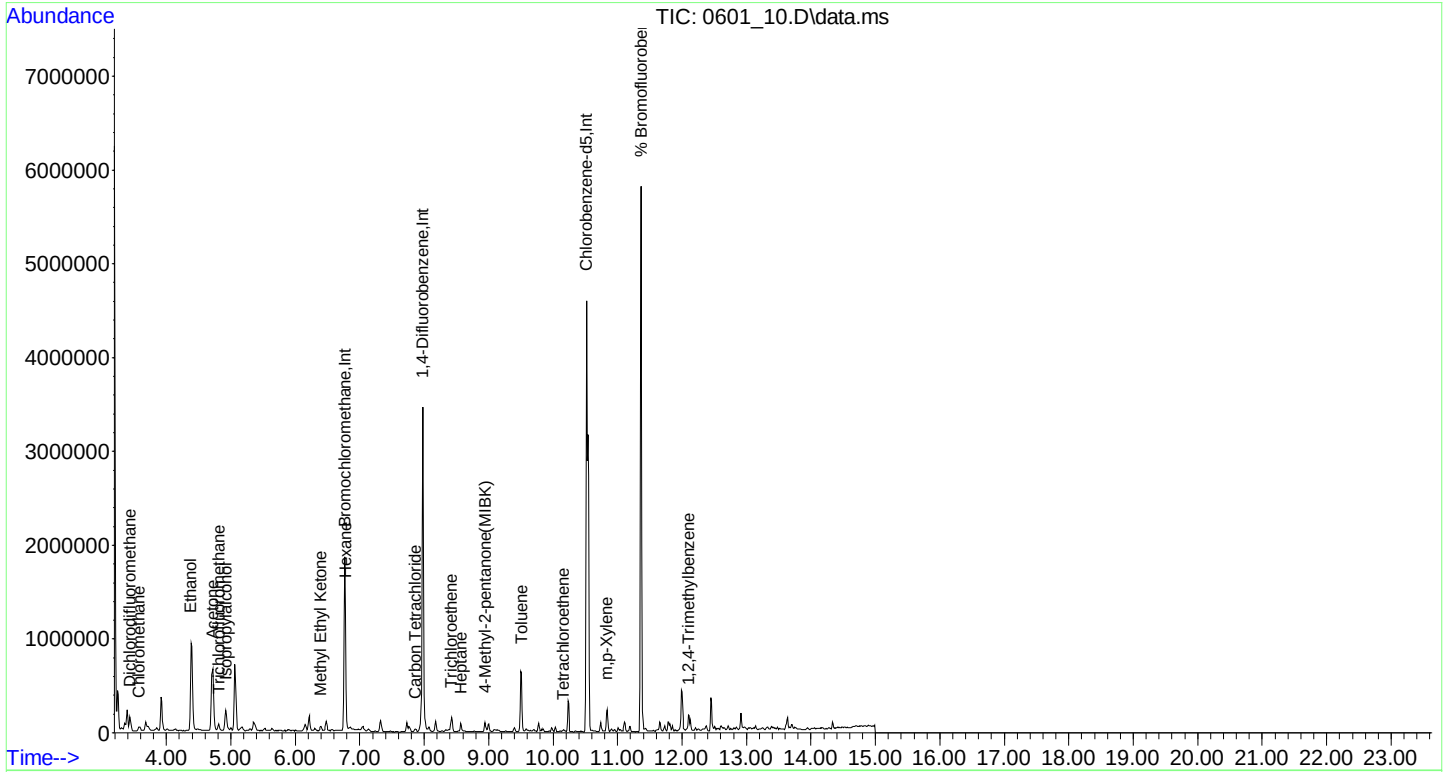
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	554774	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.976	114	2034188	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1052967	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.775	130	588111	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2379196	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1173542	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1447548	9.552	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	95.50%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.436	85	132957	0.692	ppbv	99
4) Chloromethane	3.576	50	37165	0.636	ppbv	98
11) Ethanol	4.384	45	1309087	60.375	ppbv	99
12) Acetone	4.718	43	623292	6.079	ppbv#	86
13) Trichlorofluoromethane	4.815	101	51129	0.259	ppbv#	91
14) Isopropylalcohol	4.923	45	284594	2.509	ppbv	98
25) Methyl Ethyl Ketone	6.392	43	50209	0.460	ppbv	99
27) Hexane	6.780	57	58401	0.663	ppbv	92
33) Benzene	7.765	78	38575	0.308	ppbv#	88
34) Carbon Tetrachloride	7.865	117	15387	0.093	ppbv	97
39) Trichloroethene	8.422	130	3378	0.043	ppbv#	81
43) Heptane	8.567	43	28684	0.248	ppbv	96
45) 4-Methyl-2-pentanone(M...)	8.945	43	63588	0.387	ppbv#	84
48) Toluene	9.510	91	379708	2.026	ppbv	99
52) Tetrachloroethene	10.161	166	4768	0.042	ppbv	90
57) m,p-Xylene	10.836	91	114505	0.628	ppbv	93
68) 1,2,4-Trimethylbenzene	12.107	105	72090	0.279	ppbv#	90
84) Trichlorofluoromethane...	4.821	101	56906	0.261	ppbv#	100
87) Carbon Tetrachloride(sim)	7.865	117	15387	0.092	ppbv	97
97) Trichloroethene(sim)	8.422	130	3378	0.040	ppbv	86
103) Tetrachloroethene(sim)	10.161	166	4768	0.039	ppbv	91
106) m,p-Xylene(sim)	10.831	91	132022	0.713	ppbv	98
113) sec-Butylbenzene(sim)	12.107	105	72442	0.322	ppbv	79

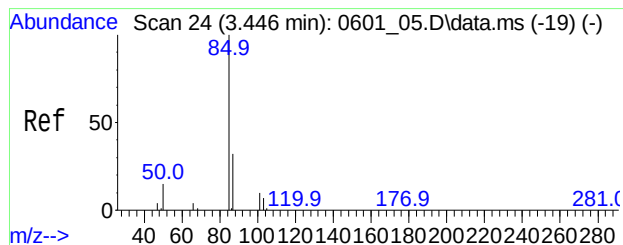
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_10.D
 Acq On : 1 Jun 2020 1:29 pm
 Operator :
 Client ID : IA-9
 Lab ID : CG03901
 ALS Vial : 7 Sample Multiplier: 1

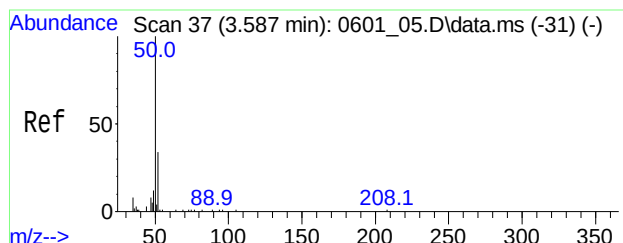
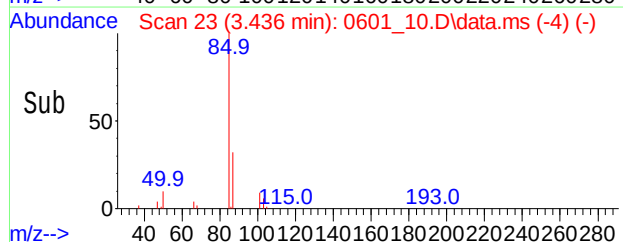
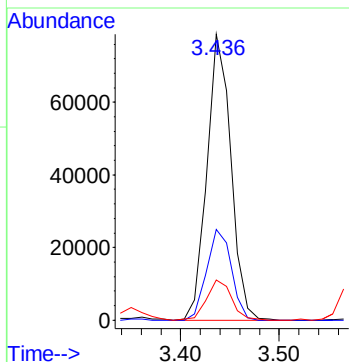
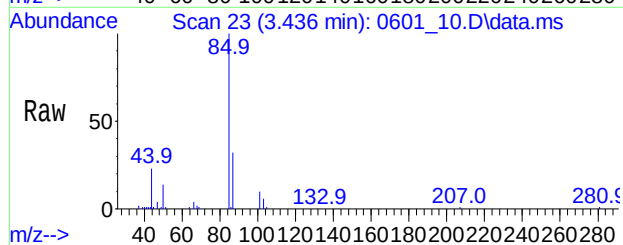
Quant Time: Jun 01 15:24:07 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration





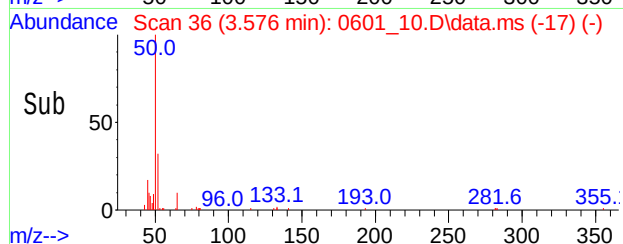
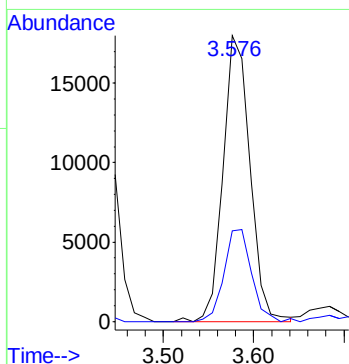
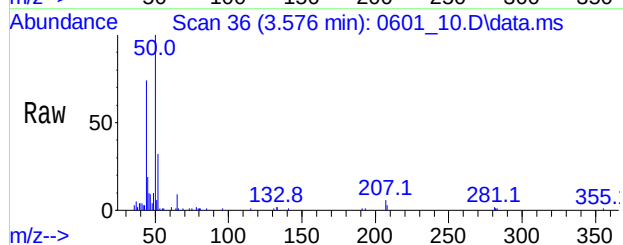
#3
Dichlorodifluoromethane
Conc: 8\$ 0.692 ppbv
RT: 3.436 min Scan# 23
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

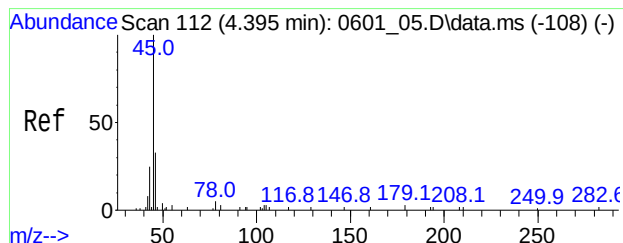
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	132957		
87	32.7	25.7	38.5	
50	14.6	11.0	16.6	



#4
Chloromethane
Conc: 8\$ 0.636 ppbv
RT: 3.576 min Scan# 36
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

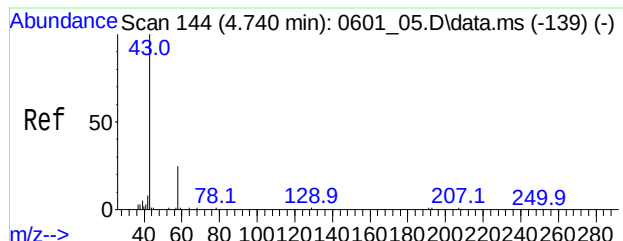
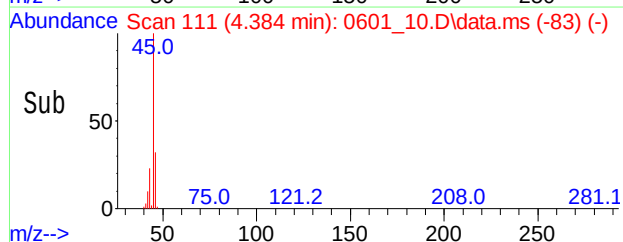
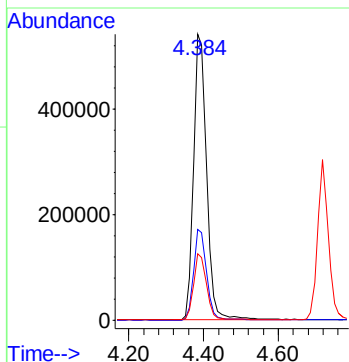
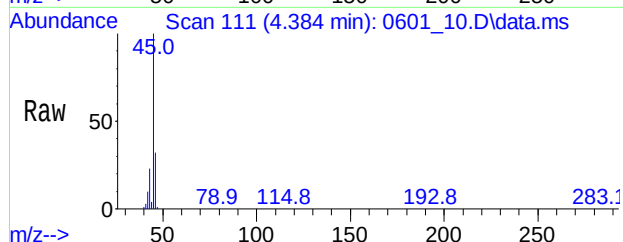
Tgt Ion	Ratio	Resp	Lower	Upper
50	100	37165		
52	33.1	14.0	54.0	





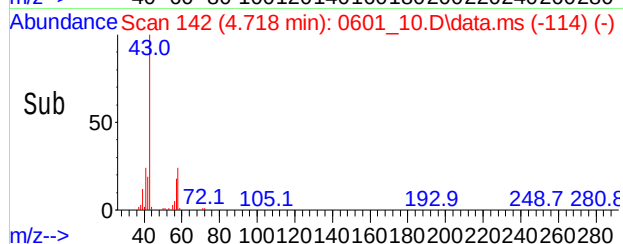
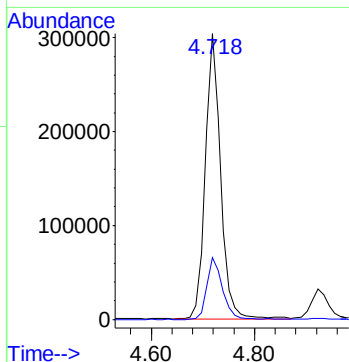
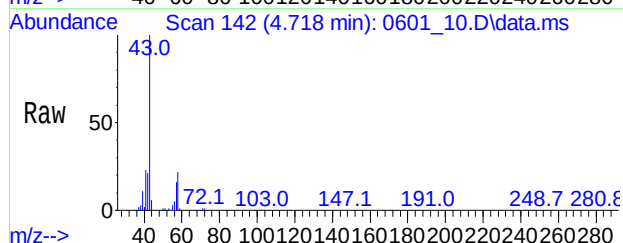
#11
Ethanol
Conc: 8\$ 60.375 ppbv
RT: 4.384 min Scan# 111
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

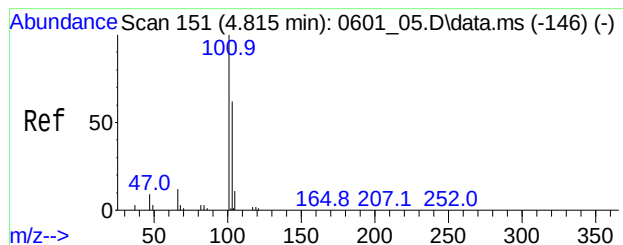
Tgt Ion: 45 Resp: 1309087
Ion Ratio Lower Upper
45 100
46 31.4 24.6 37.0
43 23.3 19.3 28.9



#12
Acetone
Conc: 8\$ 6.079 ppbv
RT: 4.718 min Scan# 142
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

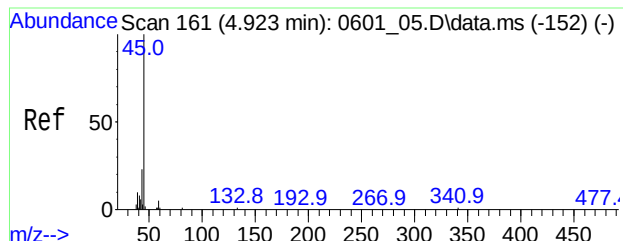
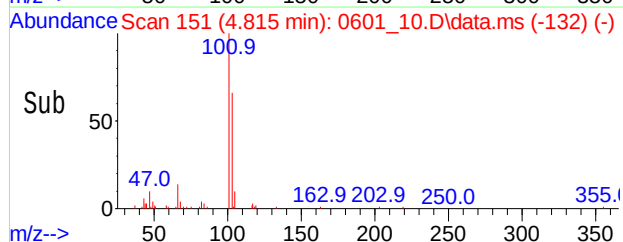
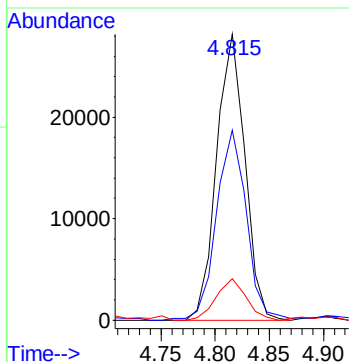
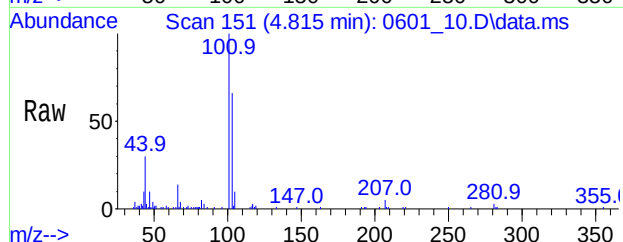
Tgt Ion: 43 Resp: 623292
Ion Ratio Lower Upper
43 100
58 22.1 23.8 35.8#





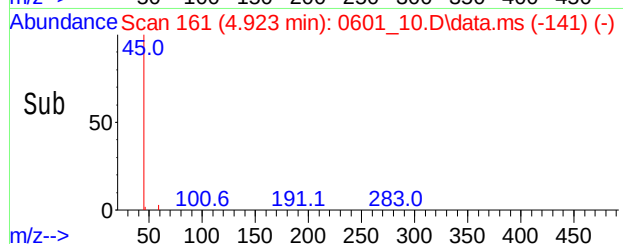
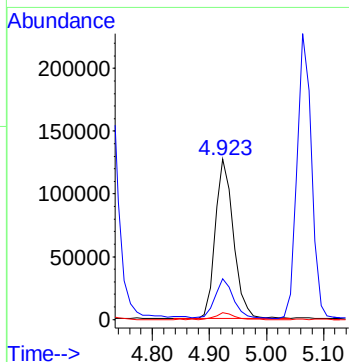
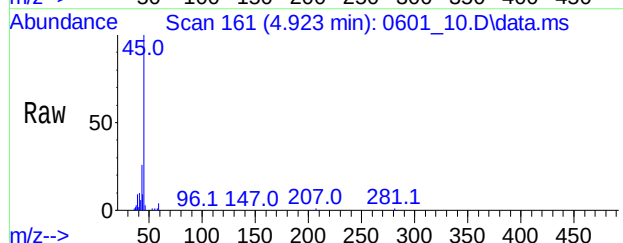
#13
Trichlorofluoromethane
Conc: 8\$ 0.259 ppbv
RT: 4.815 min Scan# 151
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

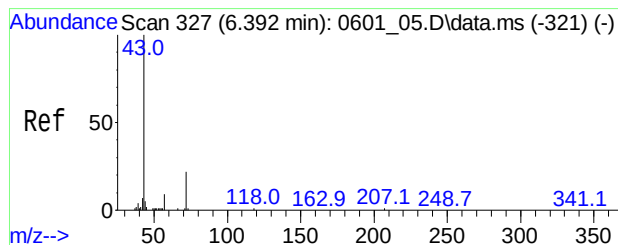
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	51129		
103	70.6	50.9	76.3	
66	15.3	10.0	15.0#	



#14
Isopropylalcohol
Conc: 8\$ 2.509 ppbv
RT: 4.923 min Scan# 161
Delta R.T. 0.011 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

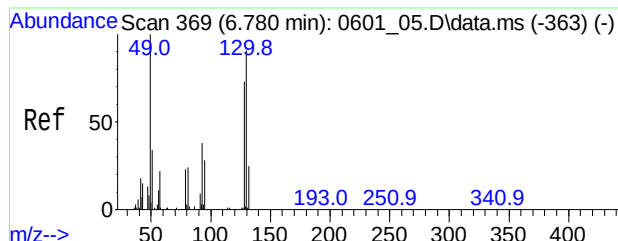
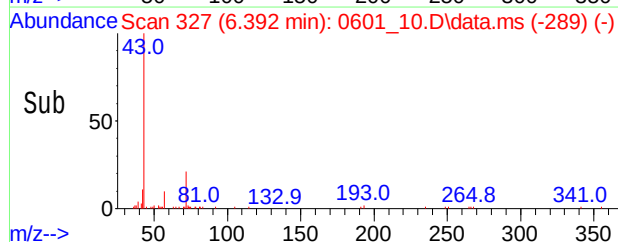
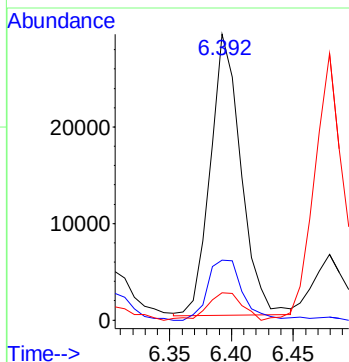
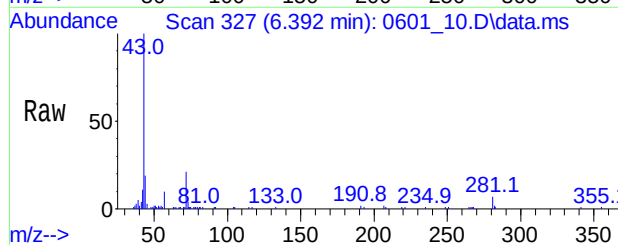
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	284594		
43	25.9	19.9	29.9	
59	4.2	3.6	5.4	





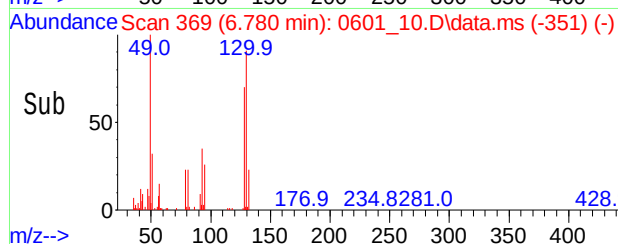
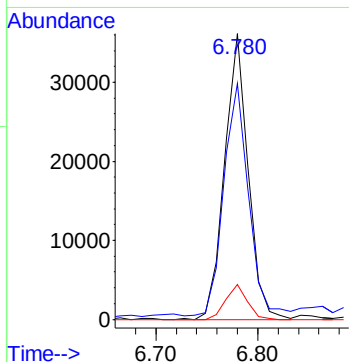
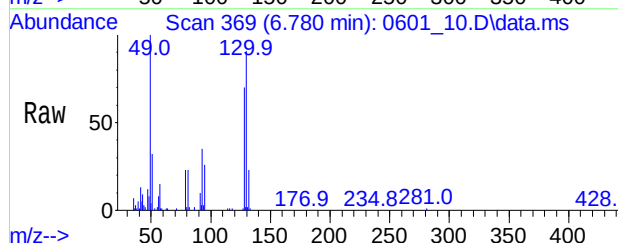
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.460 ppbv
RT: 6.392 min Scan# 327
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

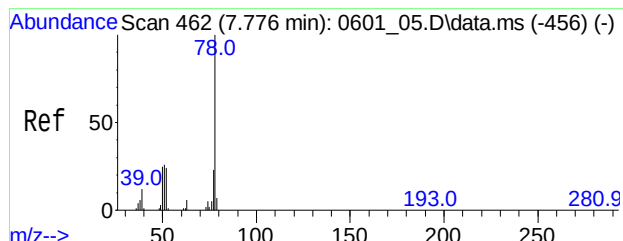
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	50209		
72	24.6	19.0	28.4	
57	10.9	8.6	12.8	



#27
Hexane
Conc: 8\$ 0.663 ppbv
RT: 6.780 min Scan# 369
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

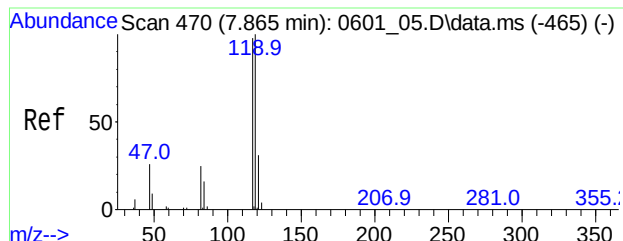
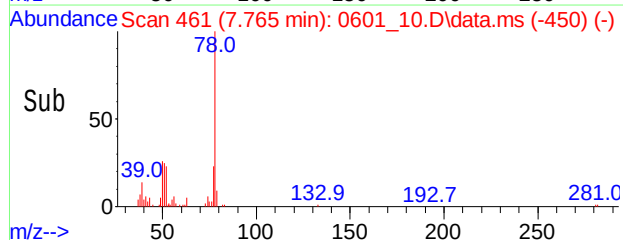
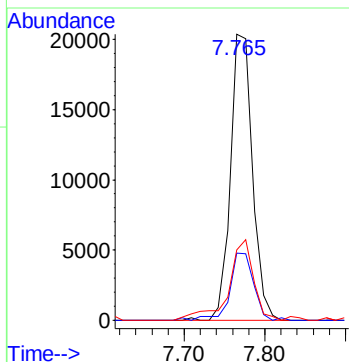
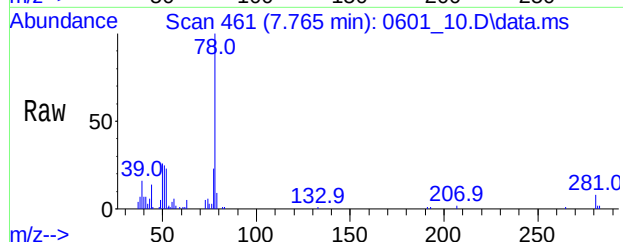
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	58401		
41	85.3	62.6	93.8	
86	11.2	8.1	12.1	





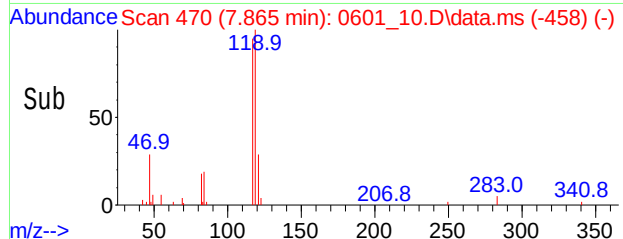
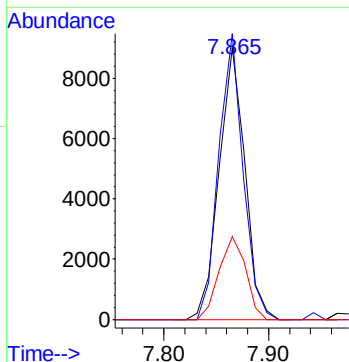
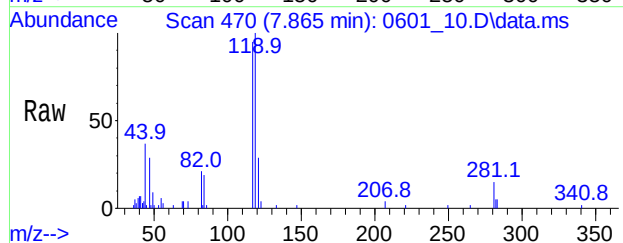
#33
Benzene
Conc: 8\$ 0.308 ppbv
RT: 7.765 min Scan# 461
Delta R.T. -0.011 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

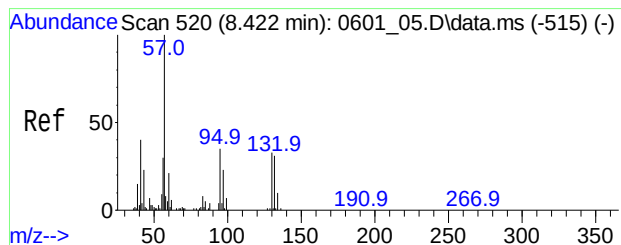
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	28.5	18.9		28.3#
51	36.2	23.2		34.8#



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.865 min Scan# 470
Delta R.T. -0.011 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

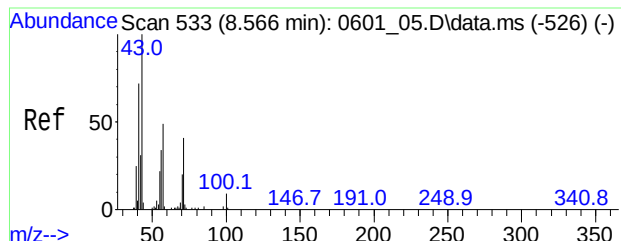
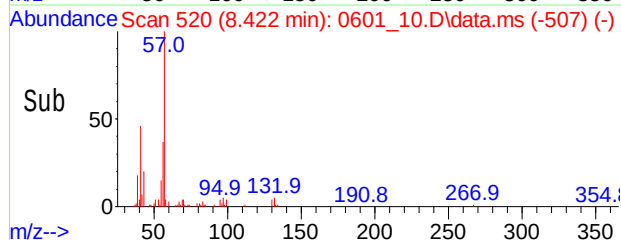
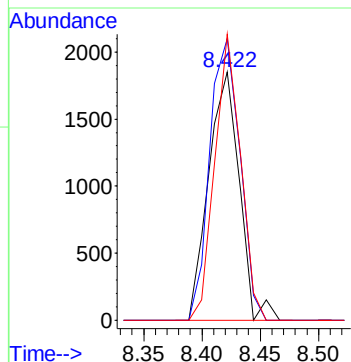
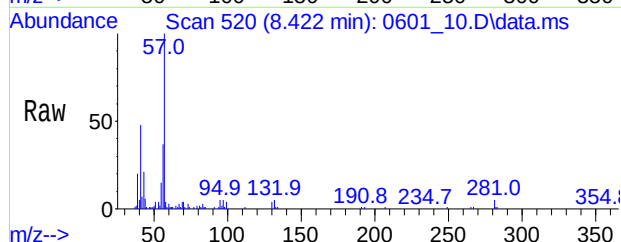
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	98.9	75.6		115.6
121	31.6	10.3		50.3





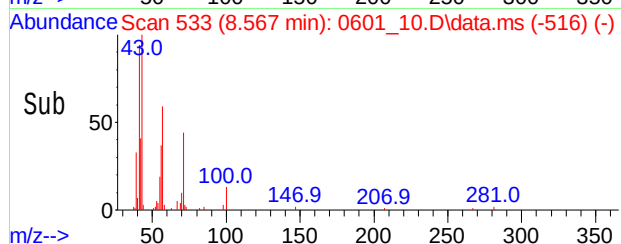
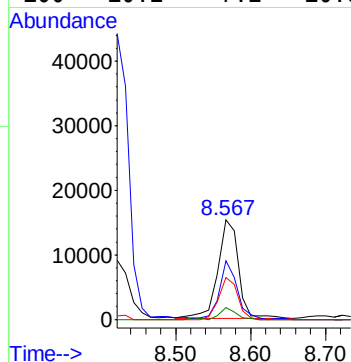
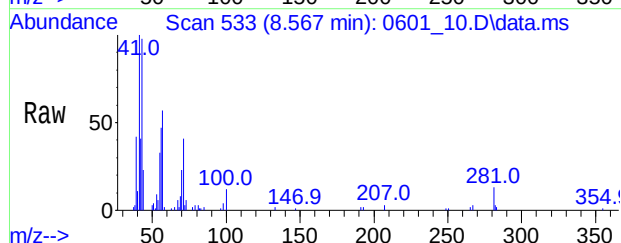
#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 8.422 min Scan# 520
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

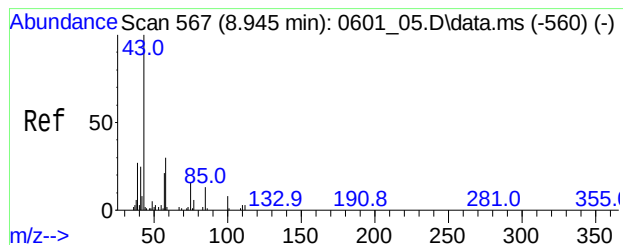
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	3378		
132	112.4	80.6	121.0	
97	96.6	58.1	87.1#	



#43
Heptane
Conc: 8\$ 0.248 ppbv
RT: 8.567 min Scan# 533
Delta R.T. -0.011 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

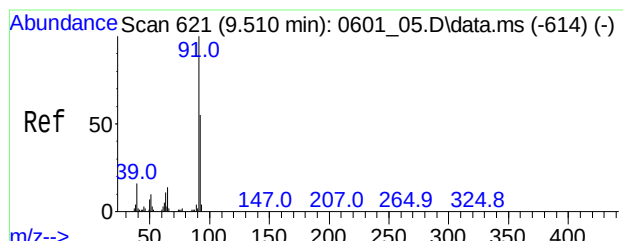
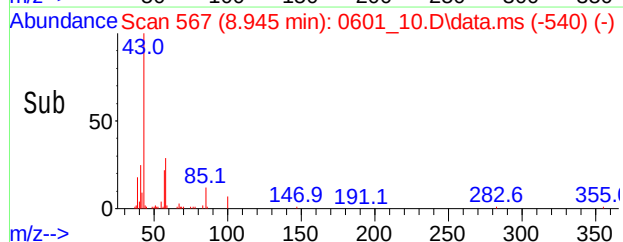
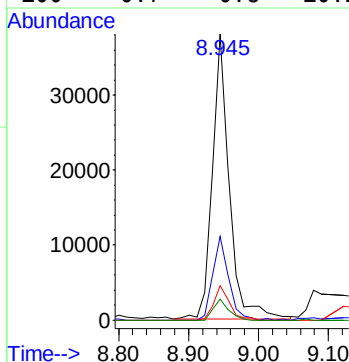
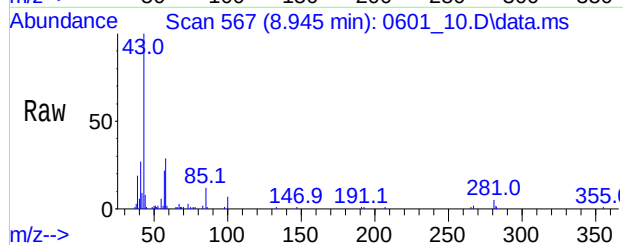
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	28684		
57	51.2	43.7	65.5	
71	38.5	32.4	48.6	
100	10.2	7.2	10.8	





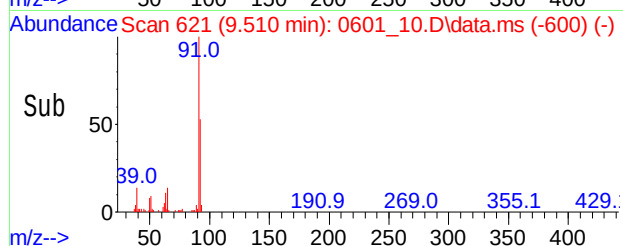
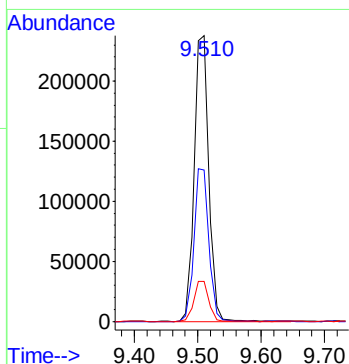
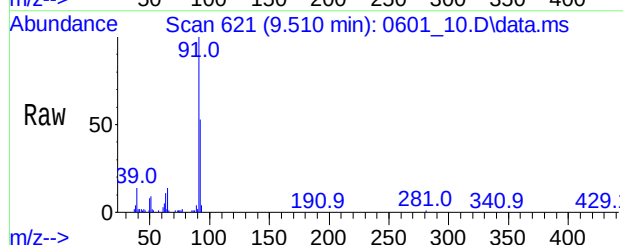
#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 0.387 ppbv
RT: 8.945 min Scan# 567
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

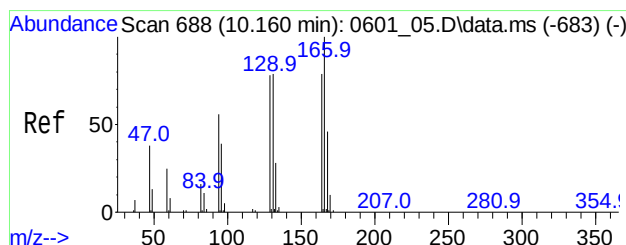
Tgt Ion:	43	Resp:	63588
Ion Ratio	Lower	Upper	
43	100		
58	27.5	32.2	48.2#
85	11.3	13.3	19.9#
100	6.7	6.8	10.2#



#48
Toluene
Conc: 8\$ 2.026 ppbv
RT: 9.510 min Scan# 621
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

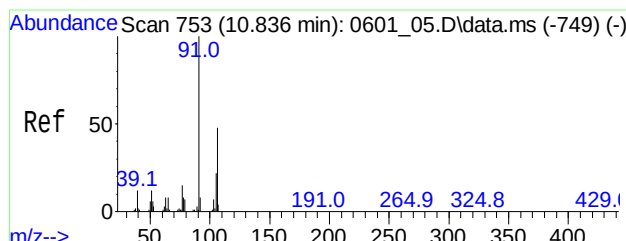
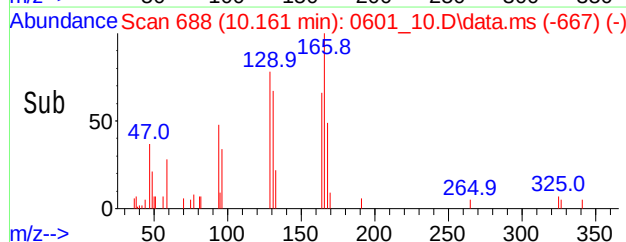
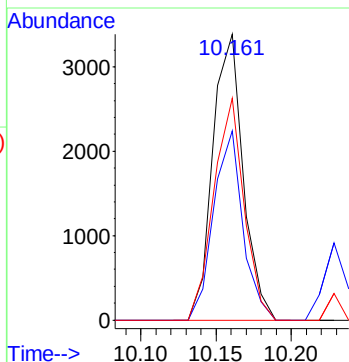
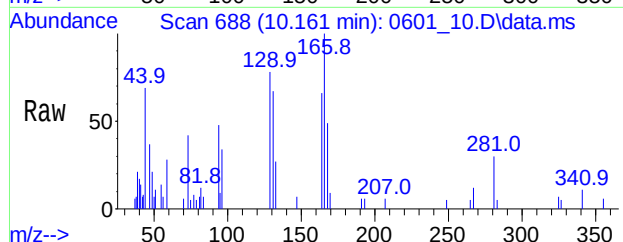
Tgt Ion:	91	Resp:	379708
Ion Ratio	Lower	Upper	
91	100		
92	54.0	43.6	65.4
65	14.3	12.2	18.4





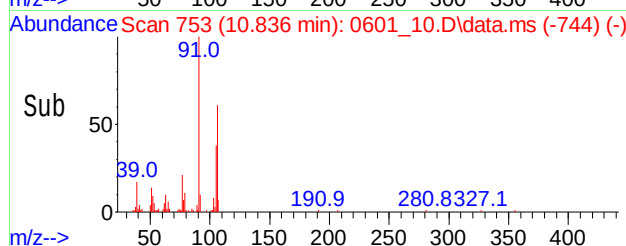
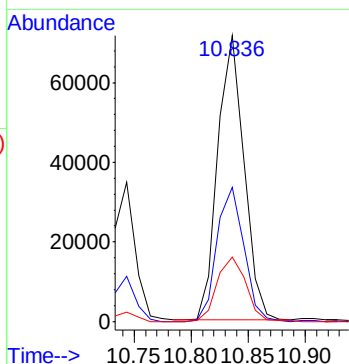
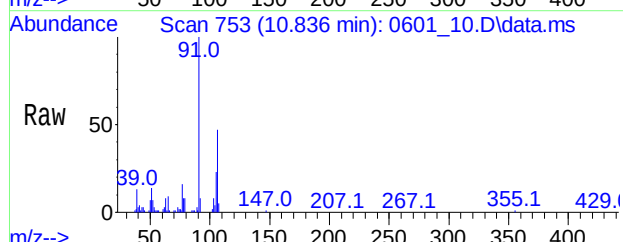
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.161 min Scan# 688
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

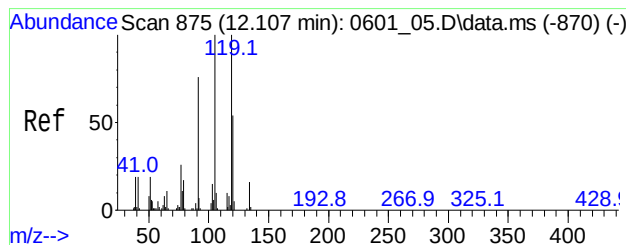
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	4768		
164	63.8	63.3	94.9	
129	77.7	61.2	91.8	



#57
m,p-Xylene
Conc: 8\$ 0.628 ppbv
RT: 10.836 min Scan# 753
Delta R.T. -0.010 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

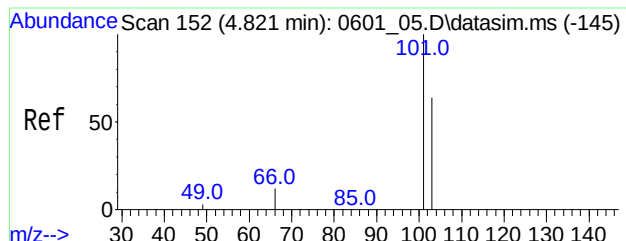
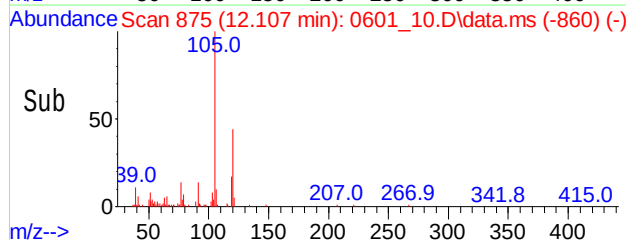
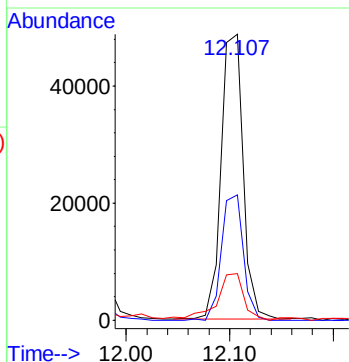
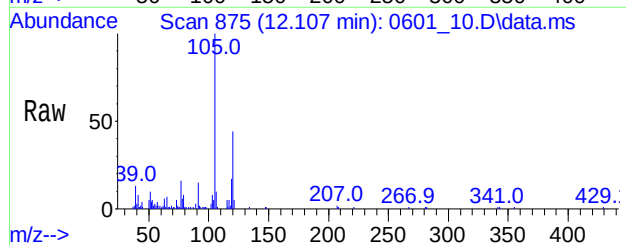
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	114505		
106	48.5	35.6	53.4	
105	25.1	17.1	25.7	





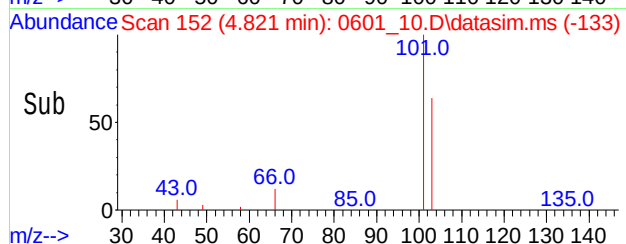
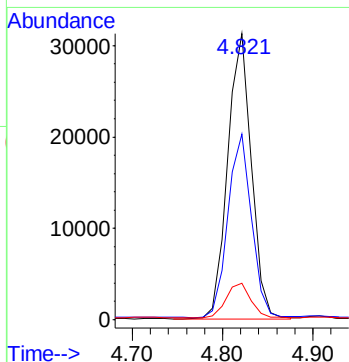
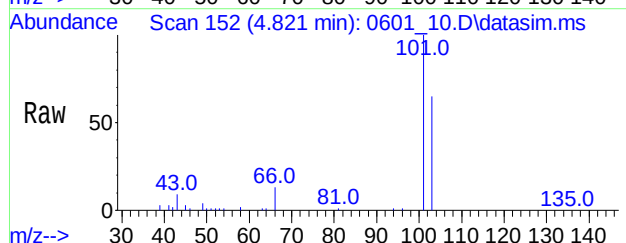
#68
1,2,4-Trimethylbenzene
Conc: 8\$ 0.279 ppbv
RT: 12.107 min Scan# 875
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

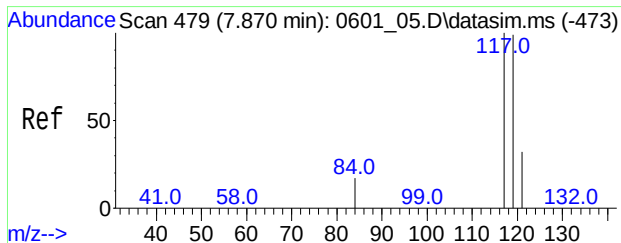
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	72090		
120	44.0	40.1	60.1	
77	20.4	21.1	31.7	#



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.261 ppbv
RT: 4.821 min Scan# 152
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

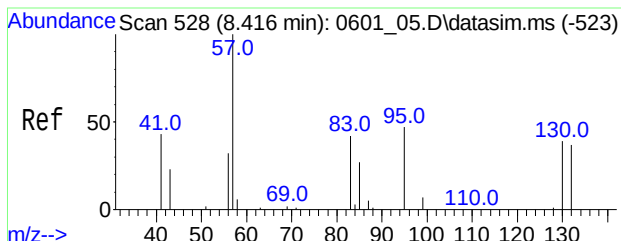
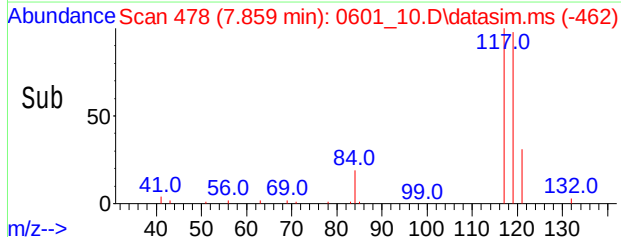
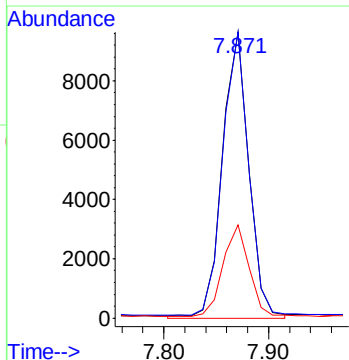
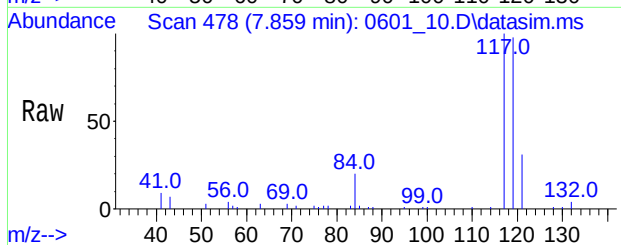
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	56906		
103	64.3	51.2	76.8	
66	12.6	12.8	12.8	#





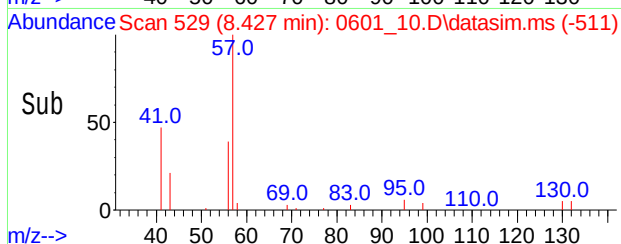
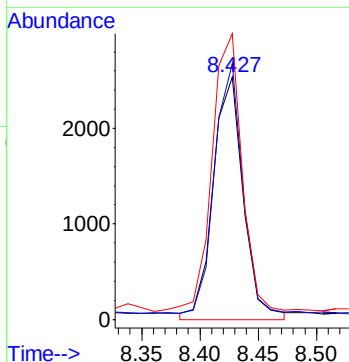
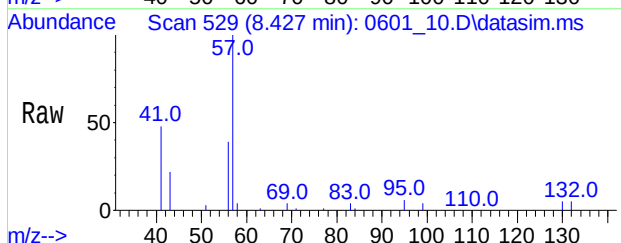
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.092 ppbv
RT: 7.865 min Scan# 478
Delta R.T. -0.011 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

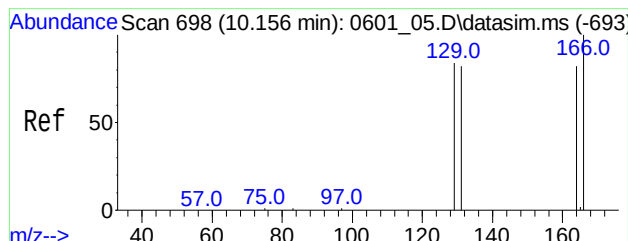
Tgt Ion: 117 Resp: 15387
Ion Ratio Lower Upper
117 100
119 98.9 76.5 114.7
121 31.6 24.2 36.4



#97
Trichloroethene(sim)
Conc: 8\$ 0.040 ppbv
RT: 8.422 min Scan# 529
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

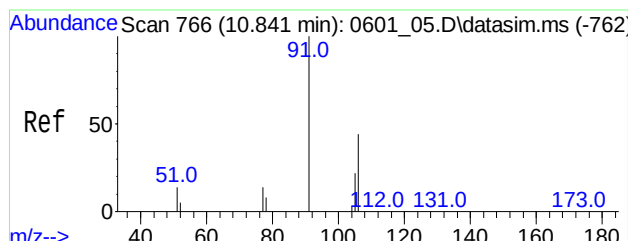
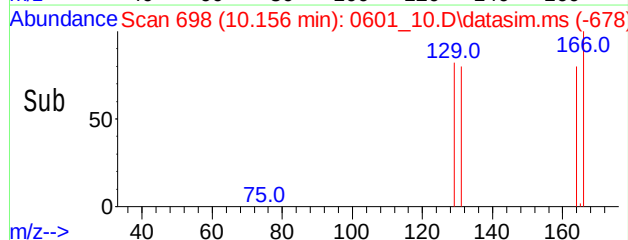
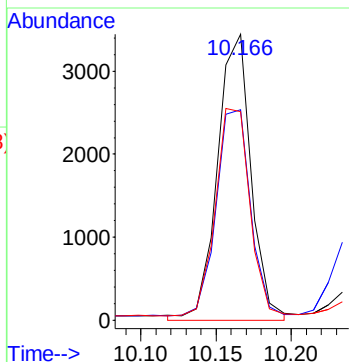
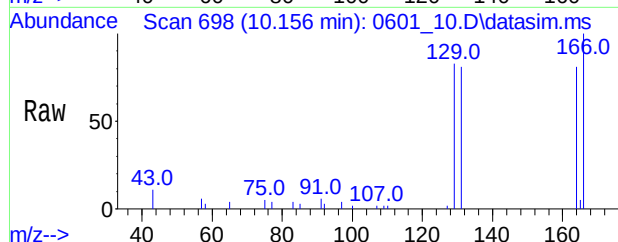
Tgt Ion: 130 Resp: 3378
Ion Ratio Lower Upper
130 100
132 112.4 80.6 120.8
95 130.4 90.4 135.6





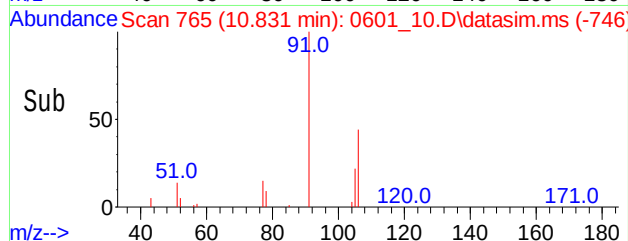
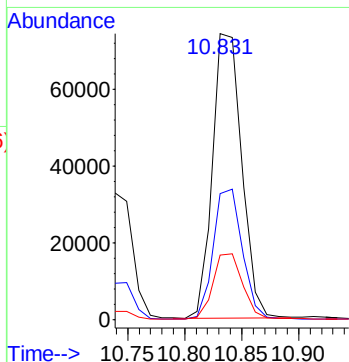
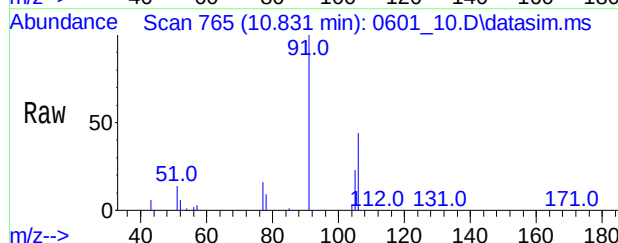
#103
Tetrachloroethene(sim)
Conc: 8\$ 0.039 ppbv
RT: 10.161 min Scan# 698
Delta R.T. -0.000 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

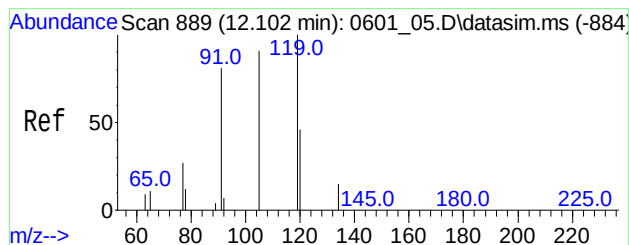
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	4768		
164	63.8	59.1	99.1	
129	77.7	56.6	96.6	



#106
m,p-Xylene(sim)
Conc: 8\$ 0.713 ppbv
RT: 10.831 min Scan# 765
Delta R.T. -0.010 min
Lab File: 0601_10.D
Acq: 1 Jun 2020 1:29 pm

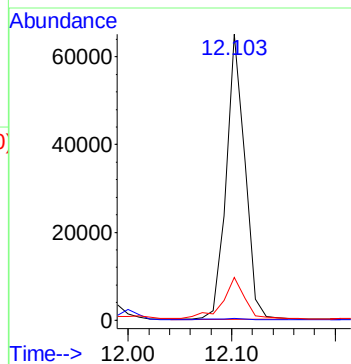
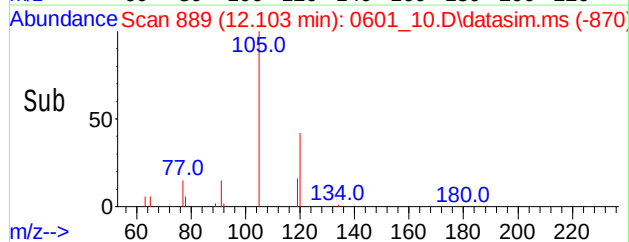
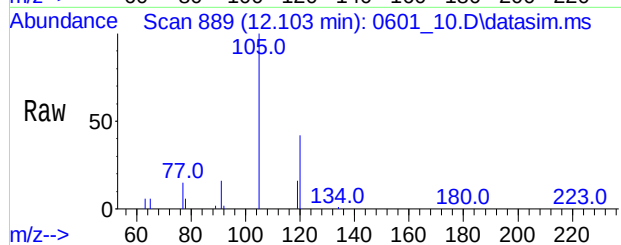
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	132022		
106	45.7	40.1	49.0	
105	23.4	17.3	25.9	





#113
 sec-Butylbenzene(sim)
 Conc: 8\$ 0.322 ppbv
 RT: 12.107 min Scan# 889
 Delta R.T. -0.000 min
 Lab File: 0601_10.D
 Acq: 1 Jun 2020 1:29 pm

Tgt Ion:	105	Resp:	72442
Ion Ratio	Lower	Upper	
105	100		
134	0.7	0.0	36.0
77	20.3	6.4	46.4



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03902</u>
Canister:	<u>215</u>	Lab File ID:	<u>0601_11.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>06/01/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.746		0.202	0.202	r
74-87-3	Chloromethane	0.729		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	52.0	ES	0.531	0.531	r
67-64-1	Acetone	20.4	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.423		0.178	0.178	r
67-63-0	Isopropylalcohol	3.61	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	1.46		0.339	0.339	r
110-54-3	Hexane	2.62	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	1.16		0.339	0.339	r
71-43-2	Benzene	1.53		0.313	0.313	r
110-82-7	Cyclohexane	0.994		0.291	0.291	r
142-82-5	Heptane	1.67		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	4.44		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	7.09		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.999		0.230	0.230	r
179601-23-1	m,p-Xylene	4.22		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	1.28		0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.209		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.822		0.204	0.204	r
135-98-8	sec-Butylbenzene	0.822		0.182	0.182	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

IA-3

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03902

Canister: 215 Lab File ID: 0601_11.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.091		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.147		0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.122		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_11.D
 Acq On : 1 Jun 2020 2:10 pm
 Operator :
 Client ID : IA-3
 Lab ID : CG03902
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 01 15:25:38 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

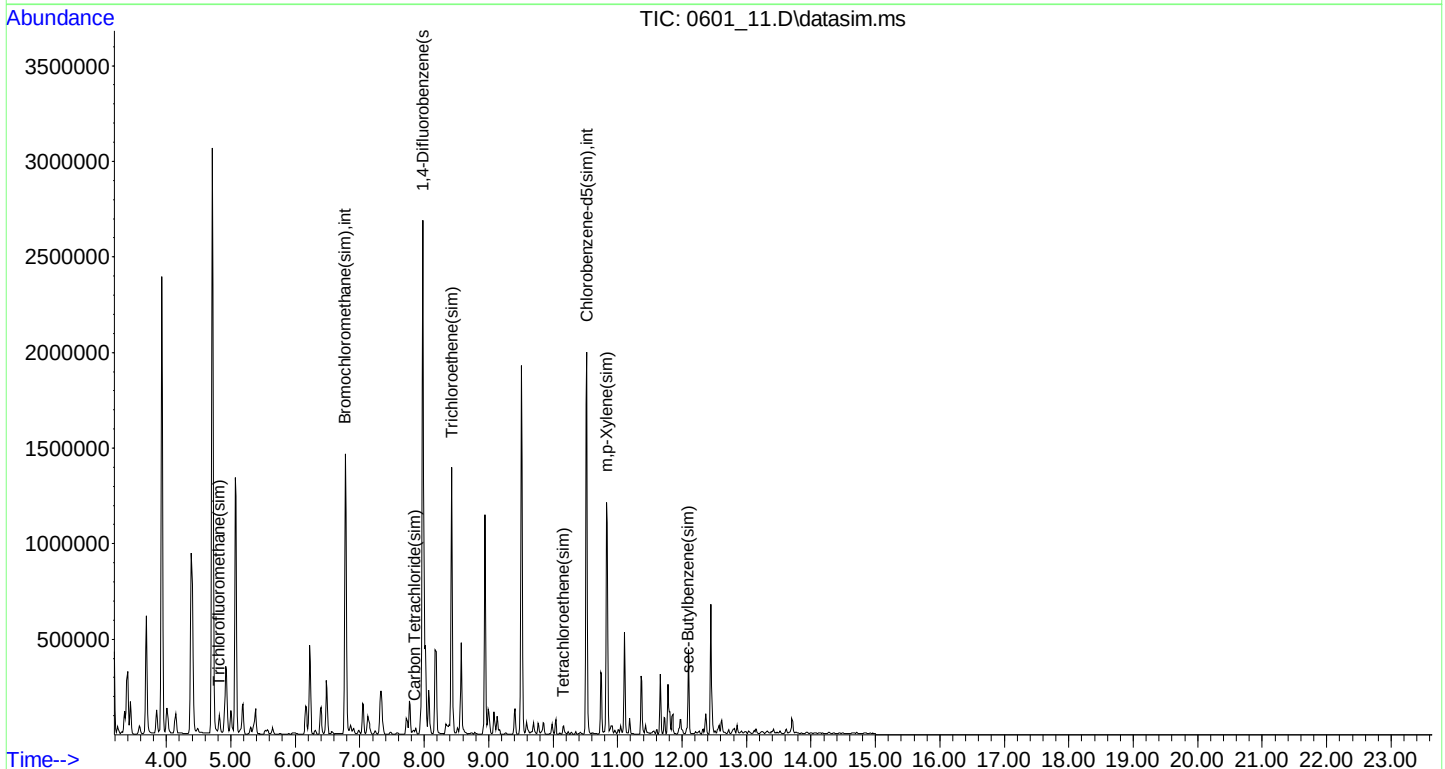
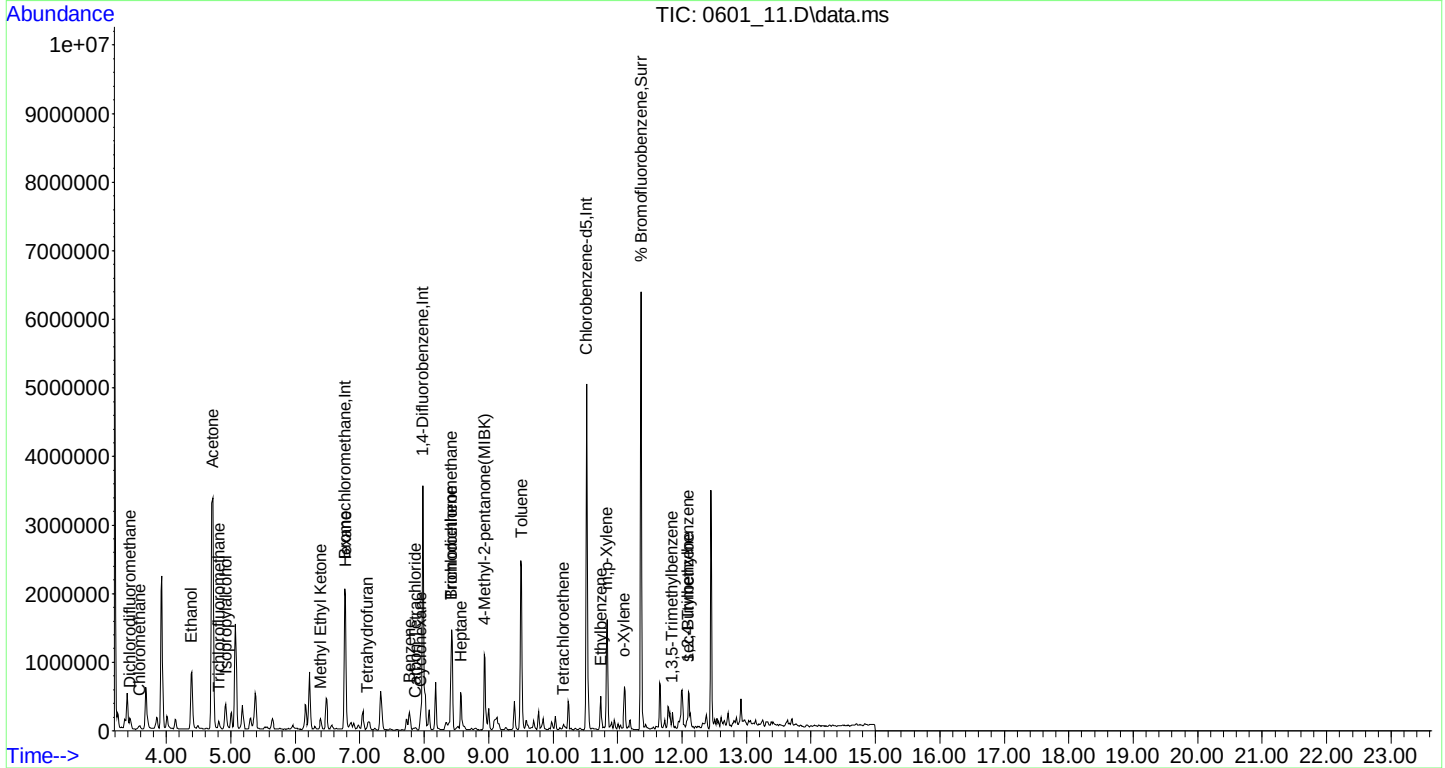
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	555204	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.976	114	2113149	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1168161	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.775	130	588825	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2431168	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1287898	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1587655	9.443	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	94.40%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.436	85	143289	0.746	ppbv	97
4) Chloromethane	3.587	50	42676	0.729	ppbv	94
11) Ethanol	4.395	45	1127366	51.954	ppbv	99
12) Acetone	4.718	43	2092475	20.392	ppbv#	73
13) Trichlorofluoromethane	4.815	101	83468	0.423	ppbv	96
14) Isopropylalcohol	4.923	45	409342	3.605	ppbv	97
25) Methyl Ethyl Ketone	6.392	43	159783	1.462	ppbv	99
27) Hexane	6.780	57	230597	2.615	ppbv	94
30) Tetrahydrofuran	7.124	42	59552	1.156	ppbv	92
33) Benzene	7.776	78	191268	1.528	ppbv	95
34) Carbon Tetrachloride	7.865	117	15235	0.092	ppbv	97
35) Cyclohexane	7.943	84	51747	0.994	ppbv	89
38) Bromodichloromethane	8.422	83	25438	0.151	ppbv#	31
39) Trichloroethene	8.422	130	12569	0.154	ppbv#	83
43) Heptane	8.567	43	200351	1.668	ppbv	93
45) 4-Methyl-2-pentanone(M...)	8.934	43	757092	4.436	ppbv#	86
48) Toluene	9.510	91	1379537	7.086	ppbv	99
52) Tetrachloroethene	10.160	166	15065	0.127	ppbv	96
56) Ethylbenzene	10.743	91	241708	0.999	ppbv	97
57) m,p-Xylene	10.836	91	853230	4.221	ppbv	98
61) o-Xylene	11.102	91	289082	1.280	ppbv	96
67) 1,3,5-Trimethylbenzene	11.851	105	59964	0.209	ppbv#	94
68) 1,2,4-Trimethylbenzene	12.097	105	235865	0.822	ppbv#	89
73) sec-Butylbenzene	12.097	105	235865	0.822	ppbv#	77
84) Trichlorofluoromethane...	4.821	101	89793	0.411	ppbv#	100
87) Carbon Tetrachloride(sim)	7.865	117	15235	0.091	ppbv	97
97) Trichloroethene(sim)	8.422	130	12569	0.147	ppbv	96
103) Tetrachloroethene(sim)	10.160	166	15065	0.122	ppbv	96
106) m,p-Xylene(sim)	10.831	91	959150	4.722	ppbv	100
113) sec-Butylbenzene(sim)	12.097	105	233090	0.882	ppbv	77

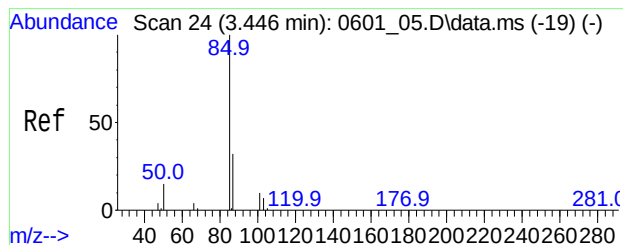
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_11.D
 Acq On : 1 Jun 2020 2:10 pm
 Operator :
 Client ID : IA-3
 Lab ID : CG03902
 ALS Vial : 8 Sample Multiplier: 1

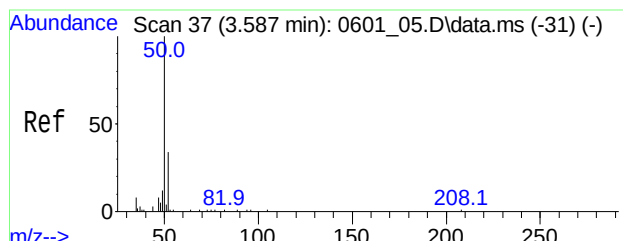
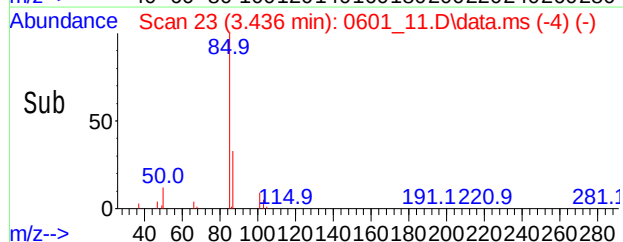
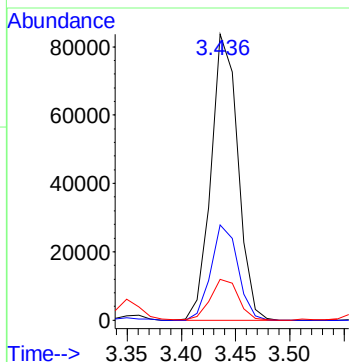
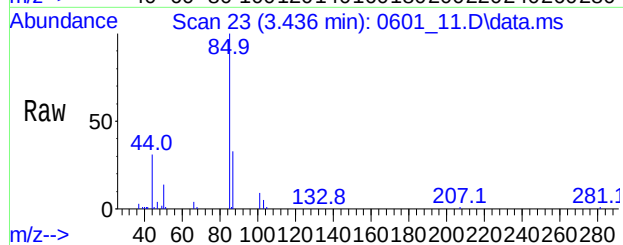
Quant Time: Jun 01 15:25:38 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration





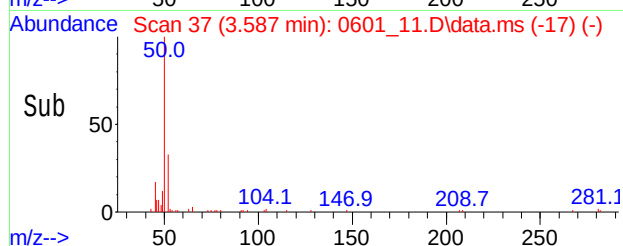
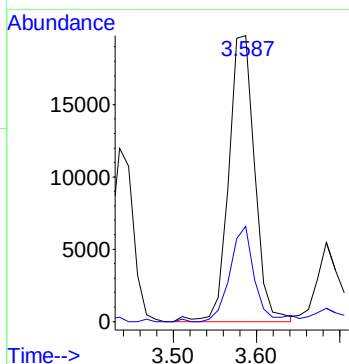
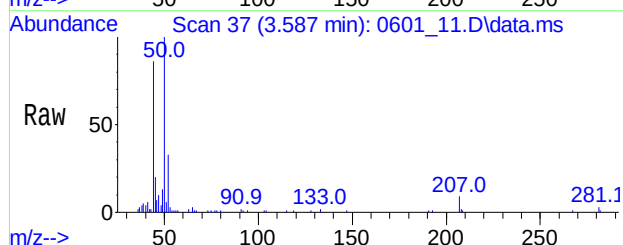
#3
Dichlorodifluoromethane
Conc: 8\$ 0.746 ppbv
RT: 3.436 min Scan# 23
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

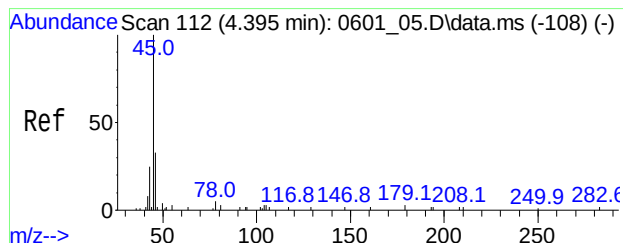
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	143289		
87	33.5	25.7	38.5	
50	14.9	11.0	16.6	



#4
Chloromethane
Conc: 8\$ 0.729 ppbv
RT: 3.587 min Scan# 37
Delta R.T. 0.011 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

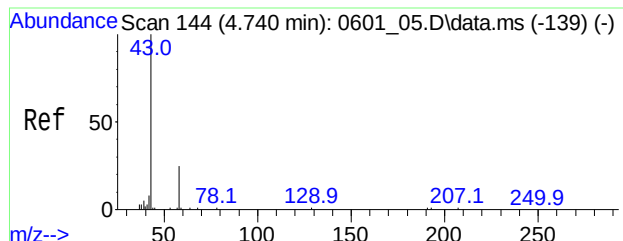
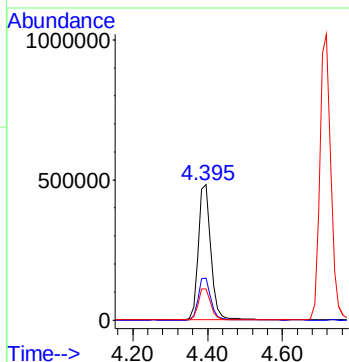
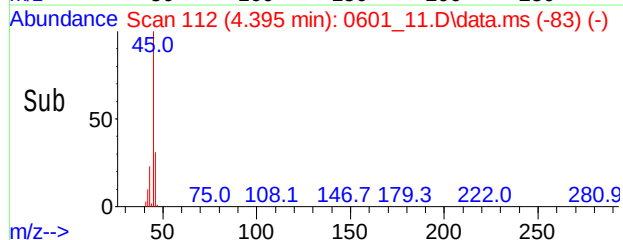
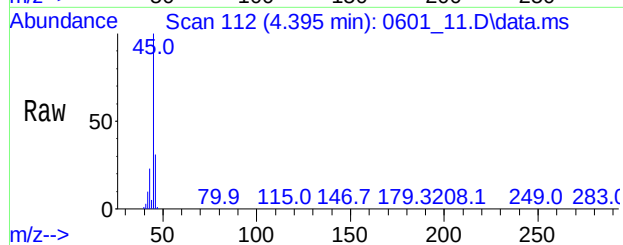
Tgt Ion	Ratio	Resp	Lower	Upper
50	100	42676		
52	30.7	14.0	54.0	





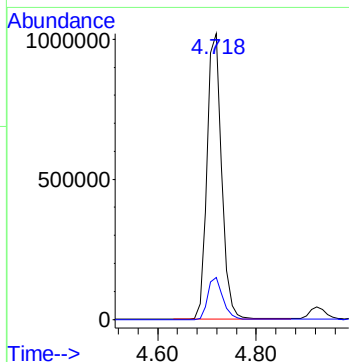
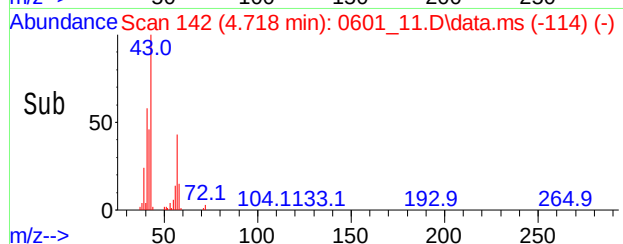
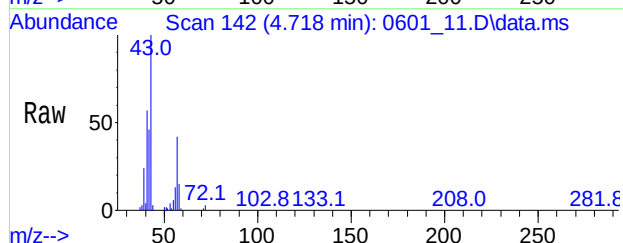
#11
Ethanol
Conc: 8\$ 51.954 ppbv
RT: 4.395 min Scan# 112
Delta R.T. 0.011 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

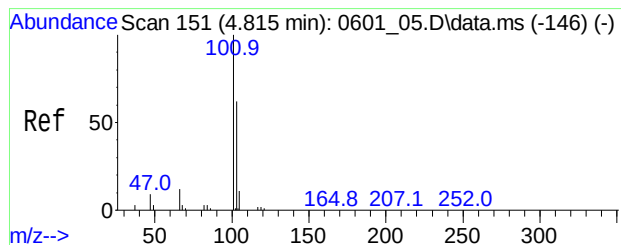
Tgt Ion: 45 Resp: 1127366
Ion Ratio Lower Upper
45 100
46 31.4 24.6 37.0
43 23.3 19.3 28.9



#12
Acetone
Conc: 8\$ 20.392 ppbv
RT: 4.718 min Scan# 142
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

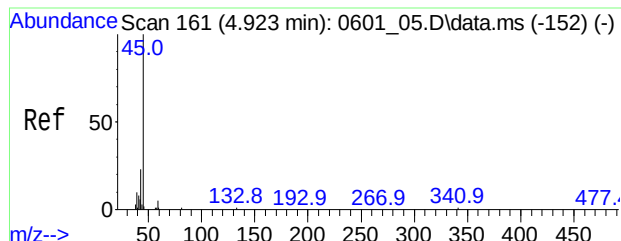
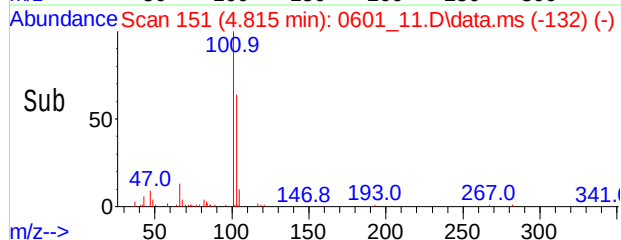
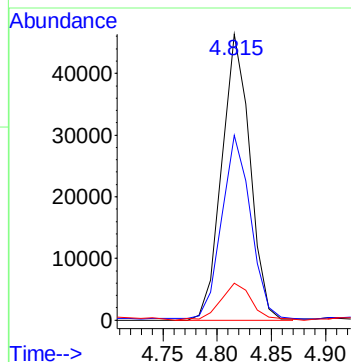
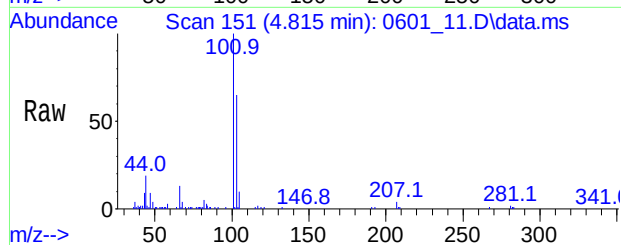
Tgt Ion: 43 Resp: 2092475
Ion Ratio Lower Upper
43 100
58 15.3 23.8 35.8#





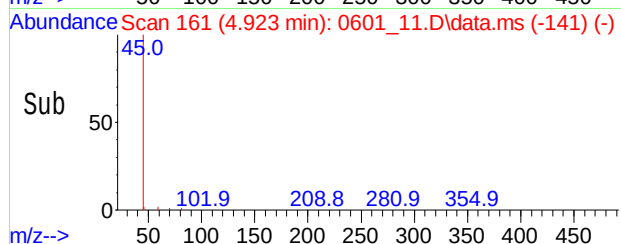
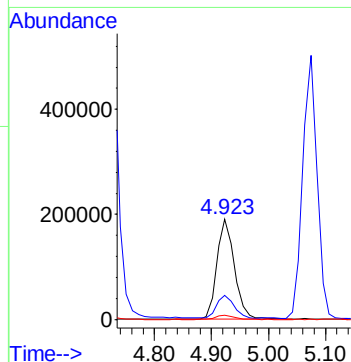
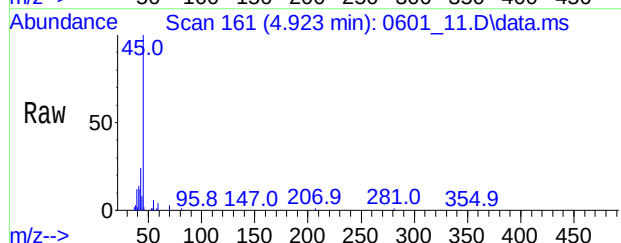
#13
Trichlorofluoromethane
Conc: 8\$ 0.423 ppbv
RT: 4.815 min Scan# 151
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

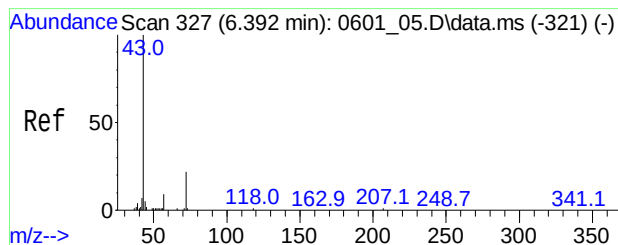
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	83468		
103	66.9	50.9	76.3	
66	14.4	10.0	15.0	



#14
Isopropylalcohol
Conc: 8\$ 3.605 ppbv
RT: 4.923 min Scan# 161
Delta R.T. 0.011 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

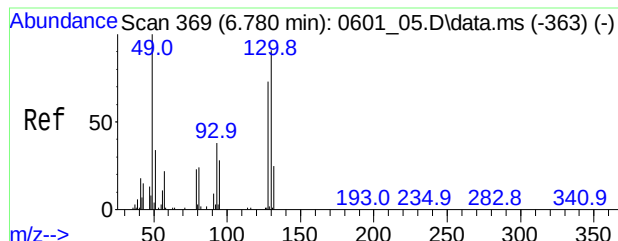
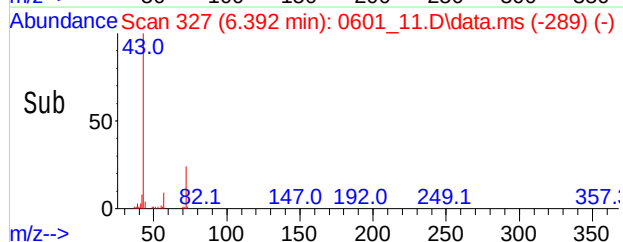
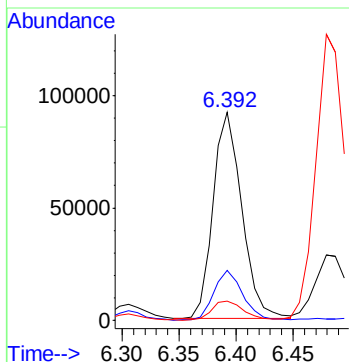
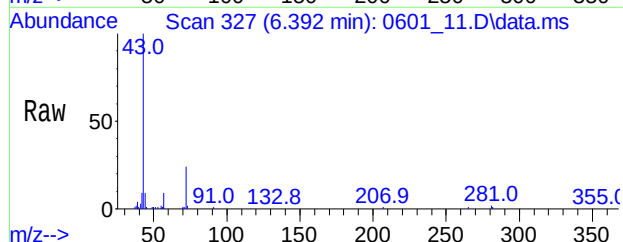
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	409342		
43	22.9	19.9	29.9	
59	4.3	3.6	5.4	





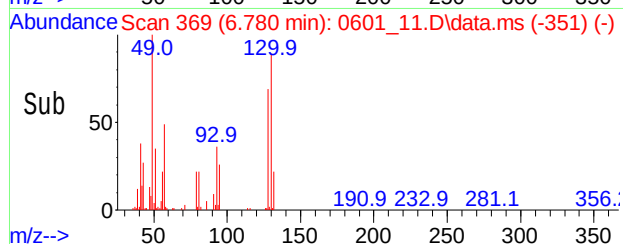
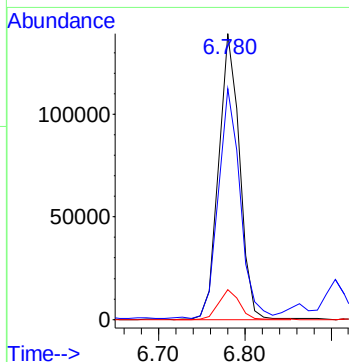
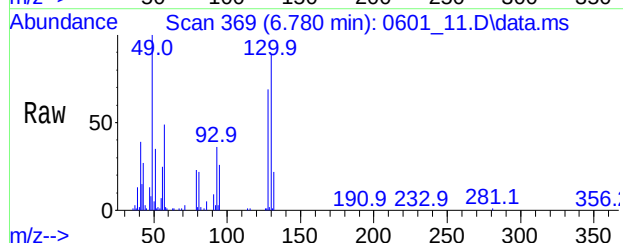
#25
Methyl Ethyl Ketone
Conc: 8\$ 1.462 ppbv
RT: 6.392 min Scan# 327
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

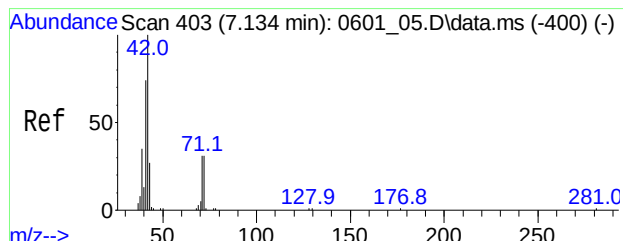
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	159783		
72	24.0	19.0	28.4	
57	10.0	8.6	12.8	



#27
Hexane
Conc: 8\$ 2.615 ppbv
RT: 6.780 min Scan# 369
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

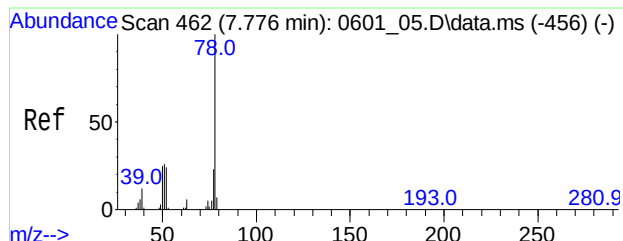
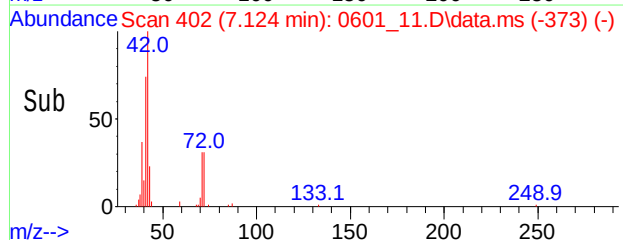
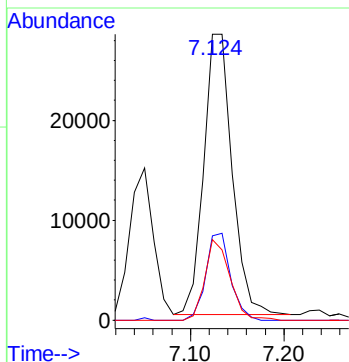
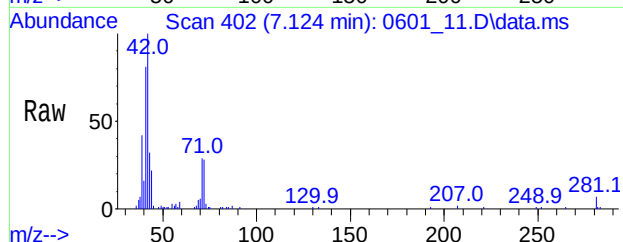
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	230597		
41	84.0	62.6	93.8	
86	10.5	8.1	12.1	





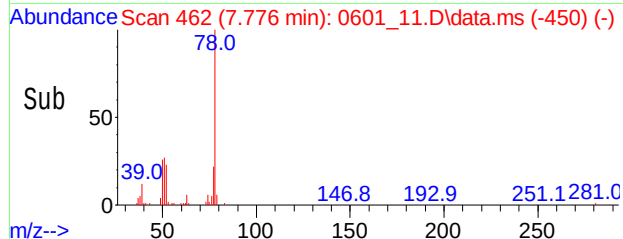
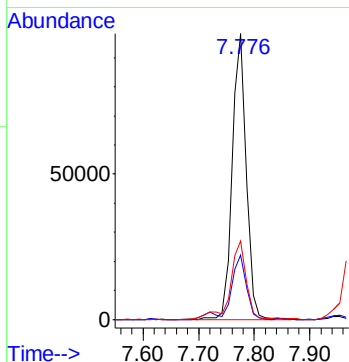
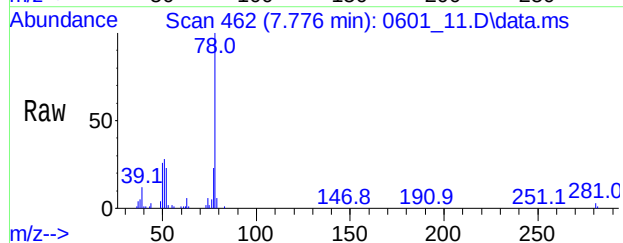
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Tetrahydrofuran
Conc: 8\$ 1.156 ppbv
RT: 7.124 min Scan# 402
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

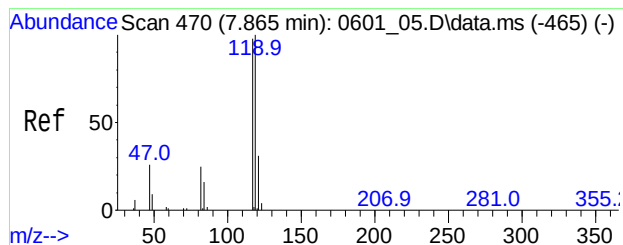
Tgt Ion	Ratio	Resp	Lower	Upper
42	100	59552		
71	26.7	25.0	37.6	
72	25.1	23.8	35.6	



#33
Benzene
Conc: 8\$ 1.528 ppbv
RT: 7.776 min Scan# 462
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

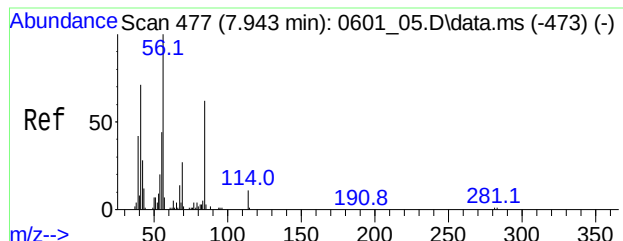
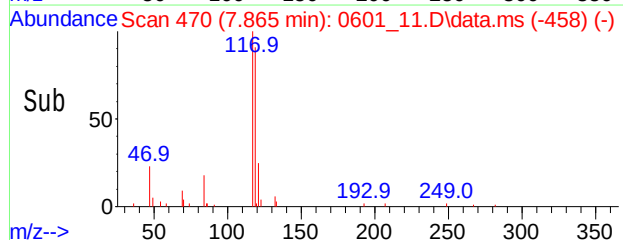
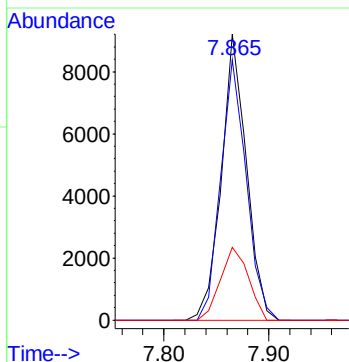
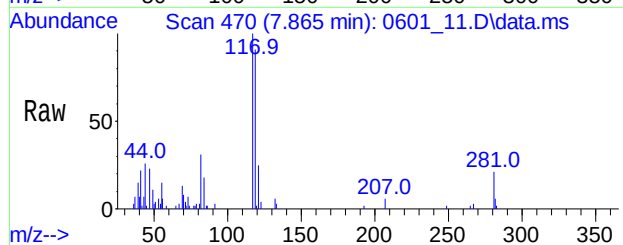
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	191268		
77	25.7	18.9	28.3	
51	32.1	23.2	34.8	





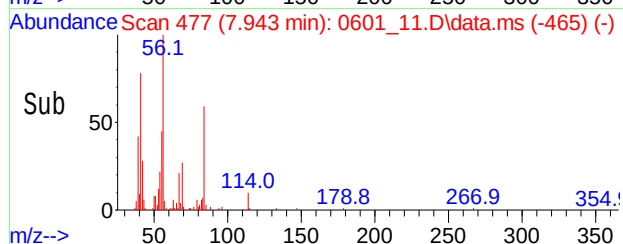
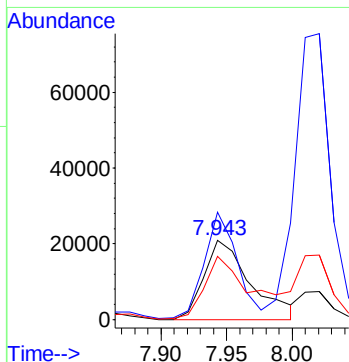
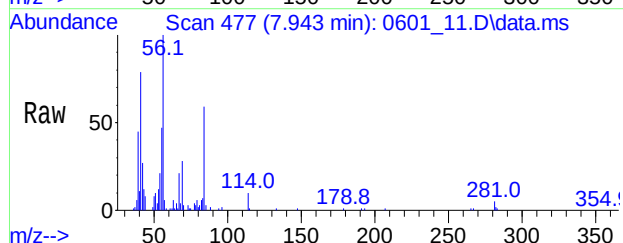
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.865 min Scan# 470
Delta R.T. -0.011 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

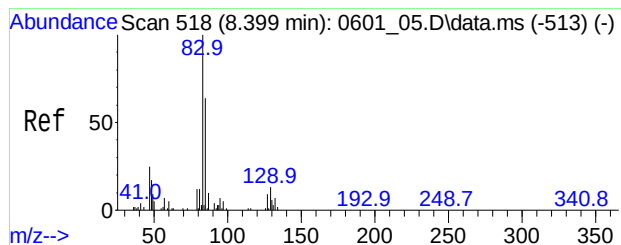
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	15235		
119	92.8	75.6	115.6	
121	28.4	10.3	50.3	



#35
Cyclohexane
Conc: 8\$ 0.994 ppbv
RT: 7.943 min Scan# 477
Delta R.T. -0.011 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

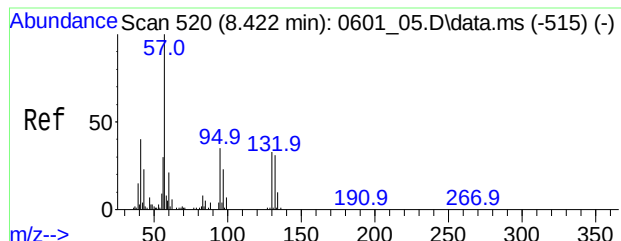
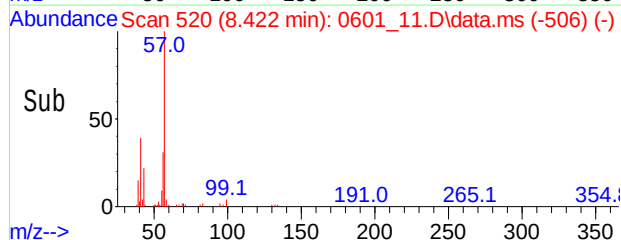
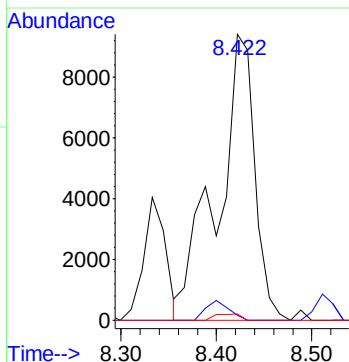
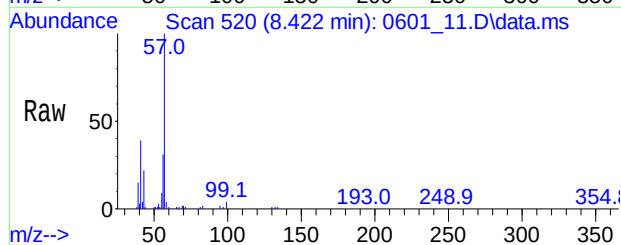
Tgt Ion	Ratio	Resp	Lower	Upper
84	100	51747		
41	93.9	90.3	135.5	
55	76.0	62.2	93.4	





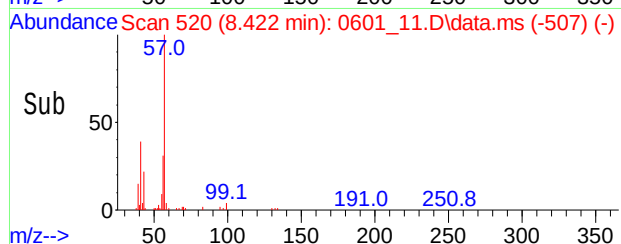
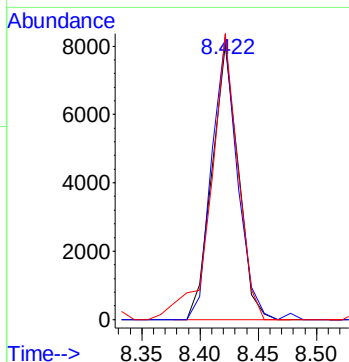
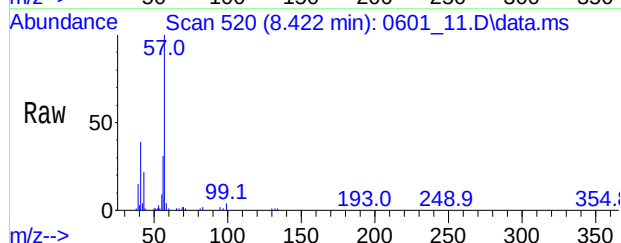
#38
Bromodichloromethane
Conc: 8\$ 0.151 ppbv
RT: 8.422 min Scan# 520
Delta R.T. 0.011 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

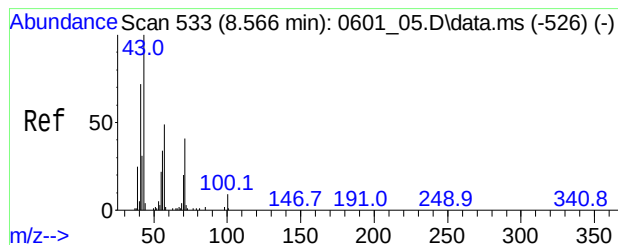
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	25438		
85	4.3	45.5	85.5#	
129	1.5	0.0	32.2	



#39
Trichloroethene
Conc: 8\$ 0.154 ppbv
RT: 8.422 min Scan# 520
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

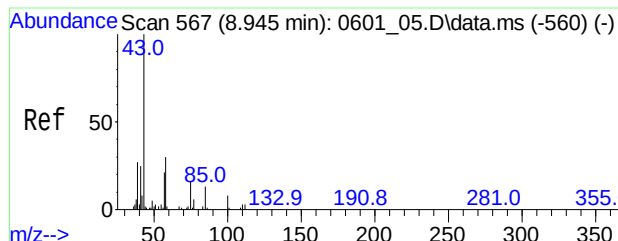
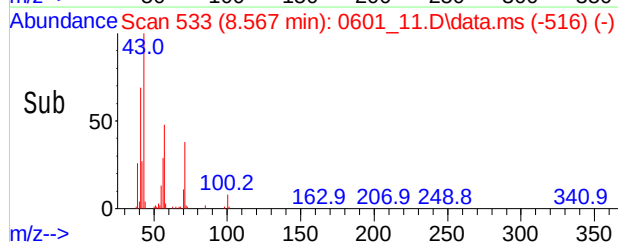
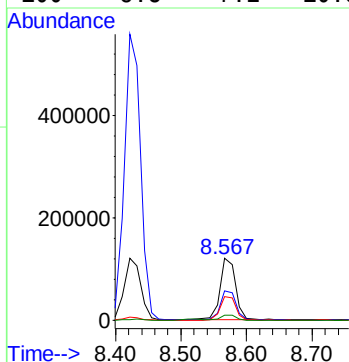
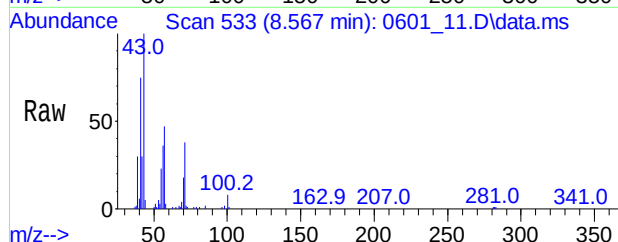
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	12569		
132	101.5	80.6	121.0	
97	105.7	58.1	87.1#	





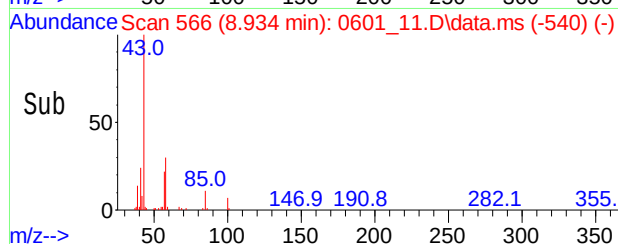
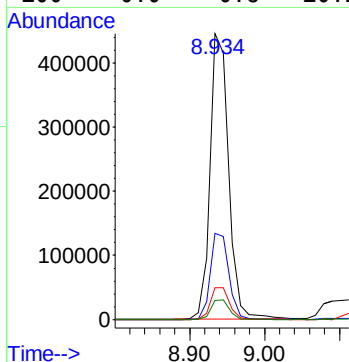
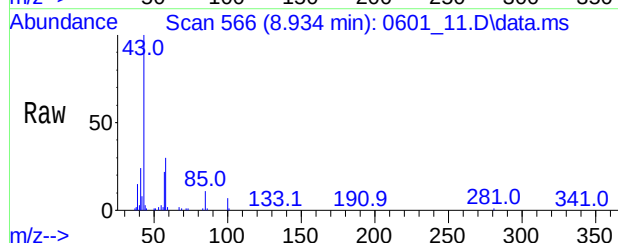
#43
Heptane
Conc: 8\$ 1.668 ppbv
RT: 8.567 min Scan# 533
Delta R.T. -0.011 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

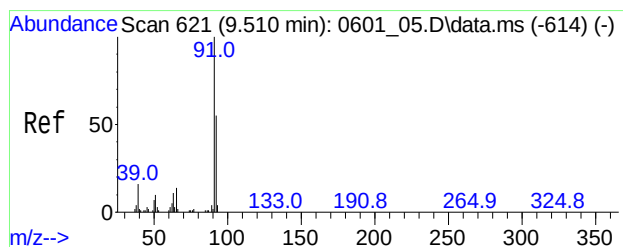
Tgt Ion: 43	Resp: 200351
Ion Ratio	Lower Upper
43 100	
57 47.7	43.7 65.5
71 38.0	32.4 48.6
100 8.3	7.2 10.8



#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 4.436 ppbv
RT: 8.934 min Scan# 566
Delta R.T. -0.011 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

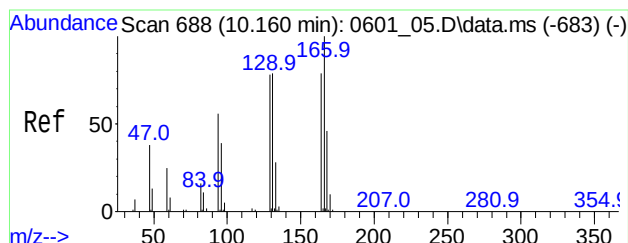
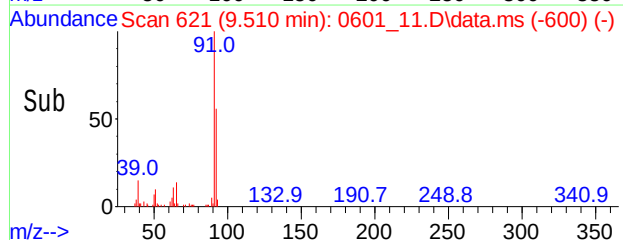
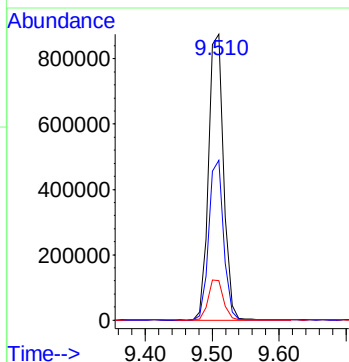
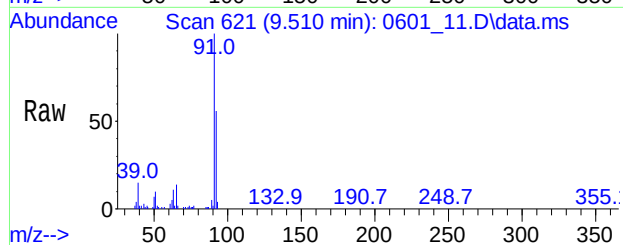
Tgt Ion: 43	Resp: 757092
Ion Ratio	Lower Upper
43 100	
58 30.2	32.2 48.2#
85 11.5	13.3 19.9#
100 6.9	6.8 10.2





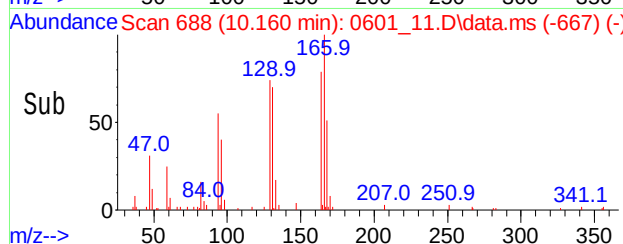
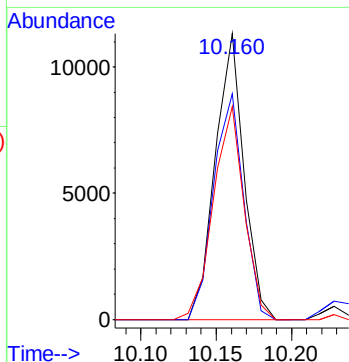
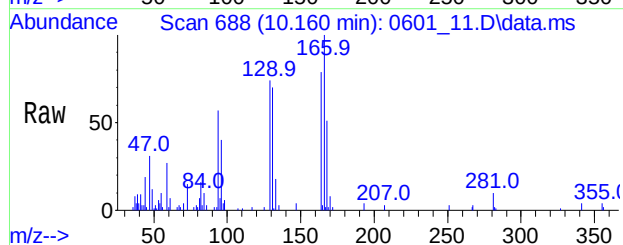
#48
Toluene
Conc: 8\$ 7.086 ppbv
RT: 9.510 min Scan# 621
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

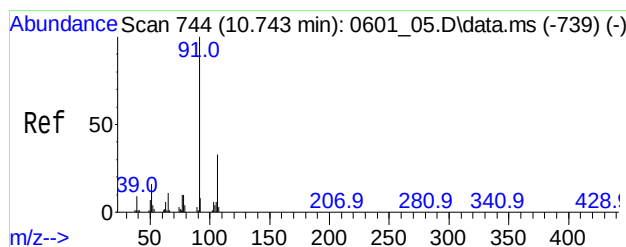
Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.6	65.4
65	14.2	12.2	18.4



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.160 min Scan# 688
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

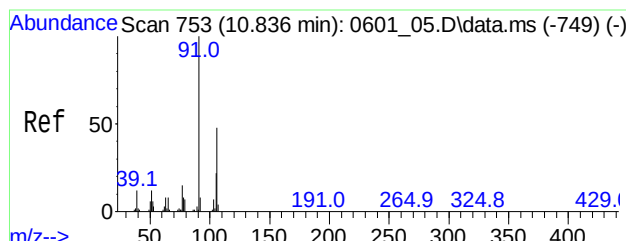
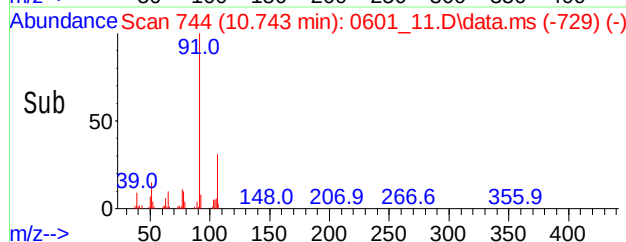
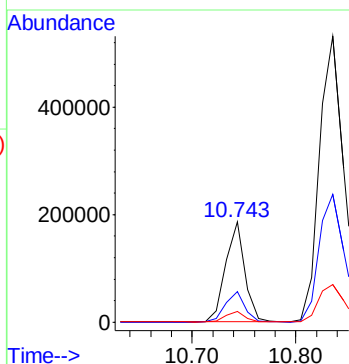
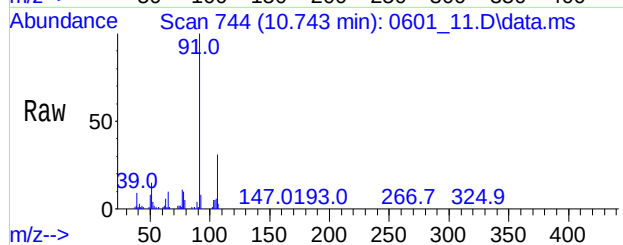
Tgt Ion	Ratio	Lower	Upper
166	100		
164	82.7	63.3	94.9
129	79.8	61.2	91.8





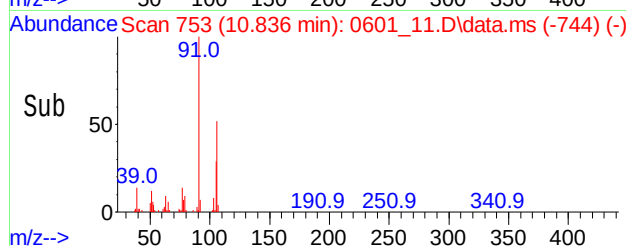
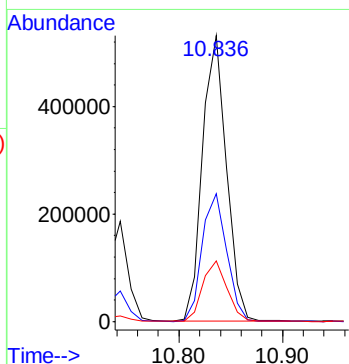
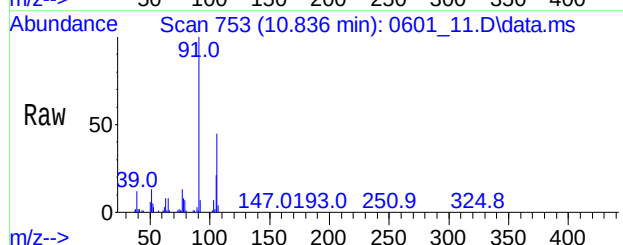
#56
Ethylbenzene
Conc: 8\$ 0.999 ppbv
RT: 10.743 min Scan# 744
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

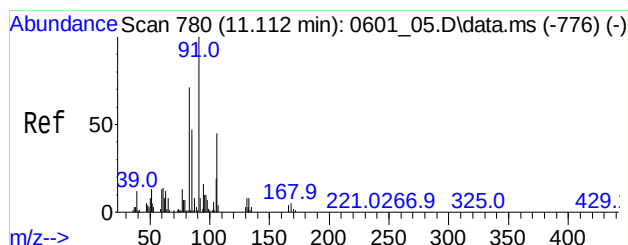
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	10.0	50.0
77	11.0	0.0	29.9



#57
m,p-Xylene
Conc: 8\$ 4.221 ppbv
RT: 10.836 min Scan# 753
Delta R.T. -0.010 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

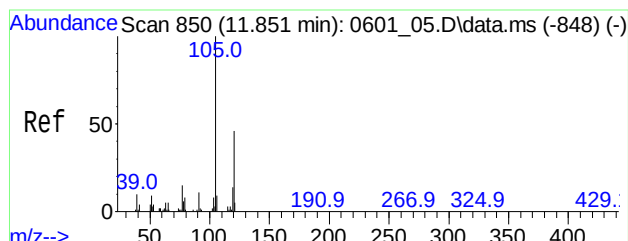
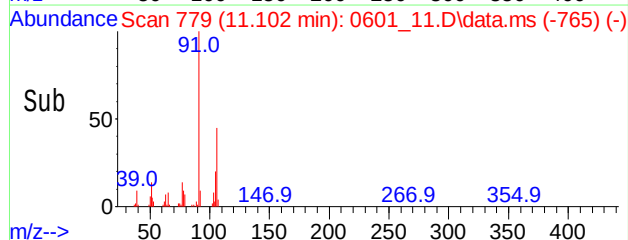
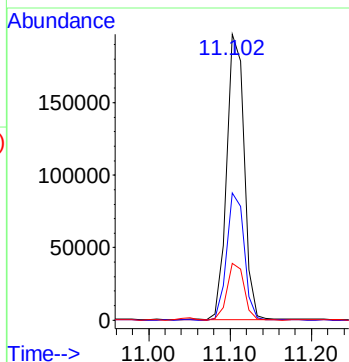
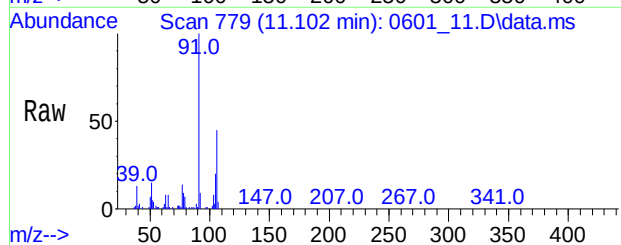
Tgt Ion	Ratio	Lower	Upper
91	100		
106	46.1	35.6	53.4
105	21.7	17.1	25.7





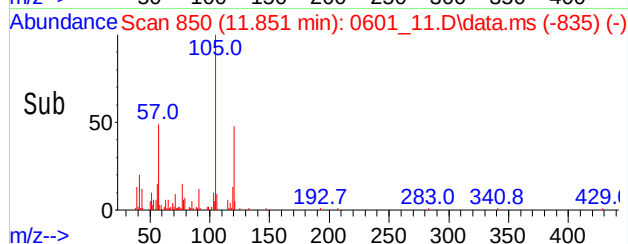
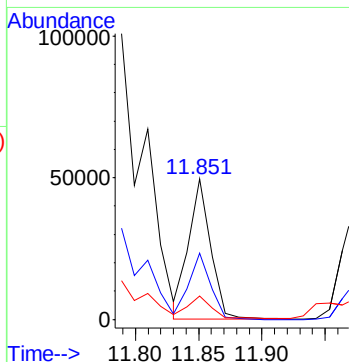
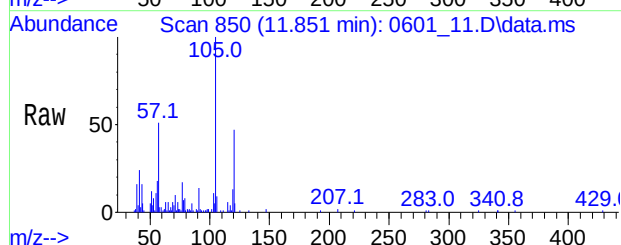
#61
o-Xylene
Conc: 8\$ 1.280 ppbv
RT: 11.102 min Scan# 779
Delta R.T. -0.010 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

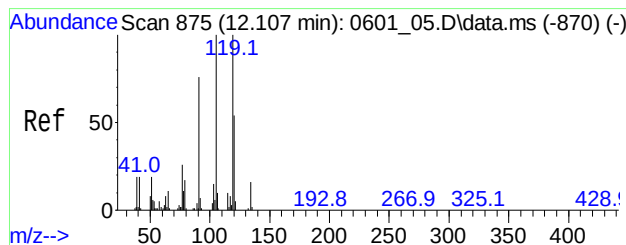
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	289082		
106	44.8	33.4	50.0	
105	19.7	14.7	22.1	



#67
1,3,5-Trimethylbenzene
Conc: 8\$ 0.209 ppbv
RT: 11.851 min Scan# 850
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

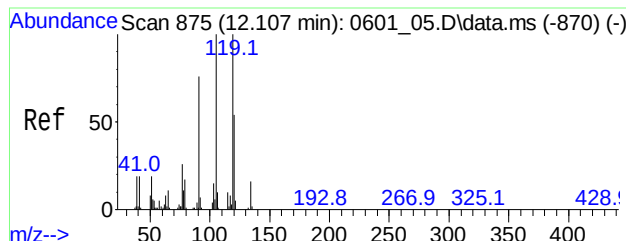
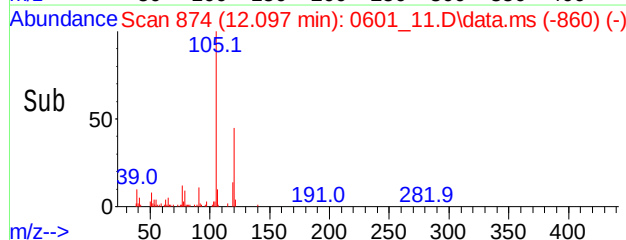
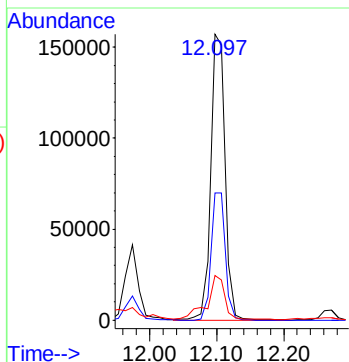
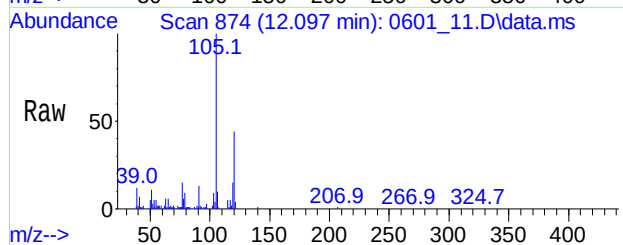
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	59964		
120	47.0	35.0	52.6	
77	17.3	11.0	16.4	





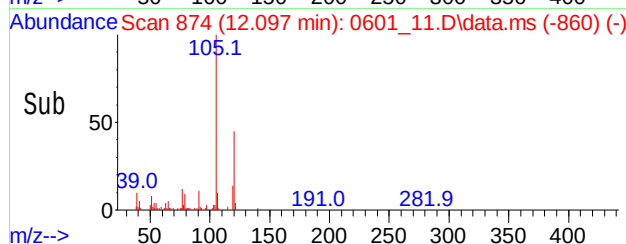
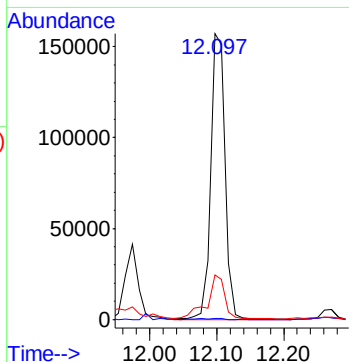
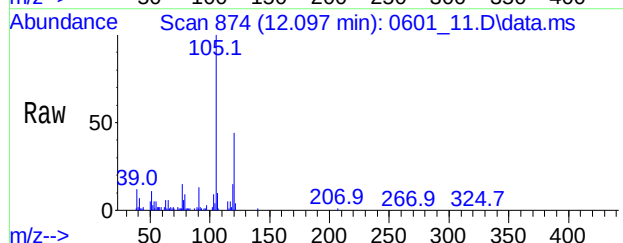
#68
1,2,4-Trimethylbenzene
Conc: 8\$ 0.822 ppbv
RT: 12.097 min Scan# 874
Delta R.T. -0.010 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

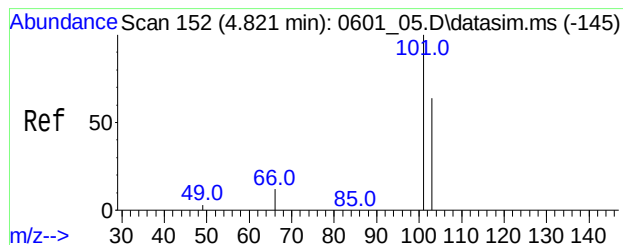
Tgt	Ion	Ratio	Resp	Lower	Upper
105	105	100	235865		
120	43.8	40.1	60.1		
77	18.9	21.1	31.7#		



#73
sec-Butylbenzene
Conc: 8\$ 0.822 ppbv
RT: 12.097 min Scan# 874
Delta R.T. -0.010 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

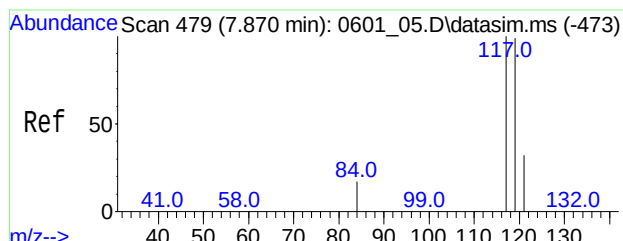
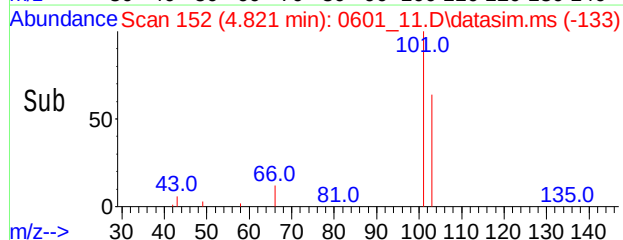
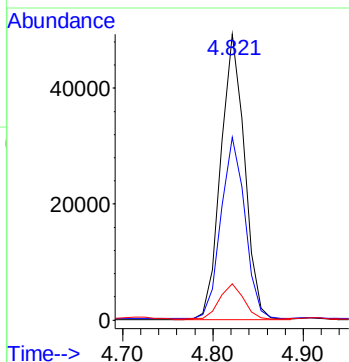
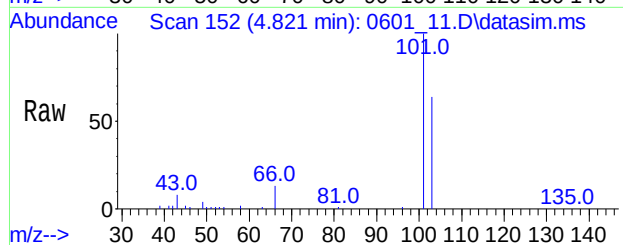
Tgt	Ion	Ratio	Resp	Lower	Upper
105	105	100	235865		
134	0.7	12.8	19.2#		
77	18.9	21.1	31.7#		





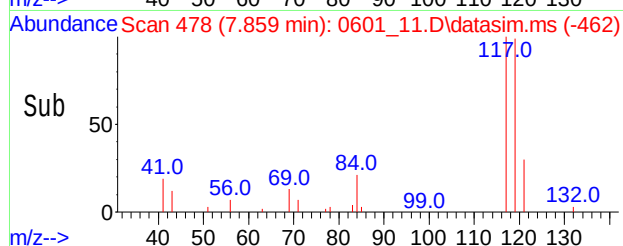
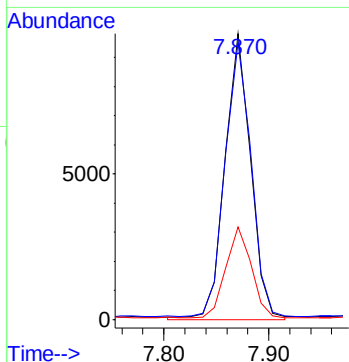
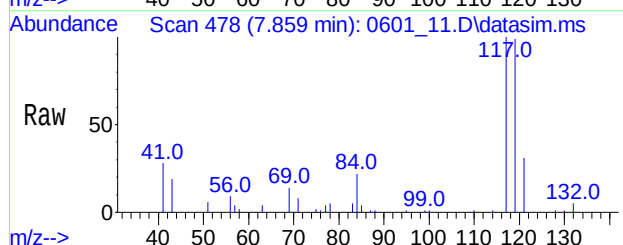
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.411 ppbv
RT: 4.821 min Scan# 152
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

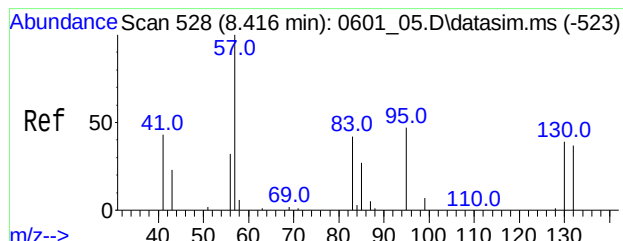
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	89793		
103	63.9	51.2	76.8	
66	12.4	12.8	12.8#	



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.091 ppbv
RT: 7.865 min Scan# 478
Delta R.T. -0.011 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

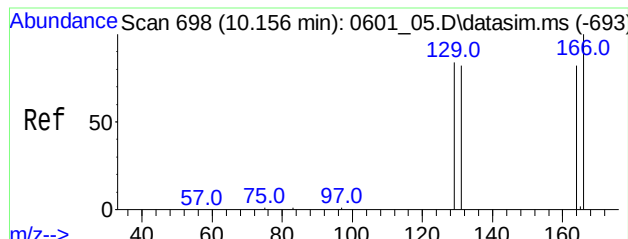
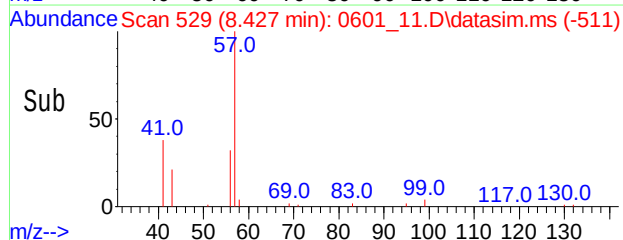
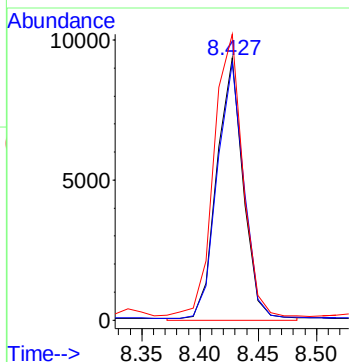
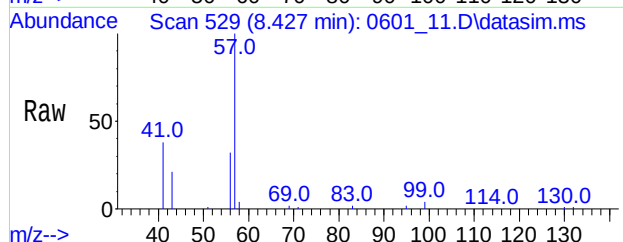
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	15235		
119	92.8	76.5	114.7	
121	28.4	24.2	36.4	





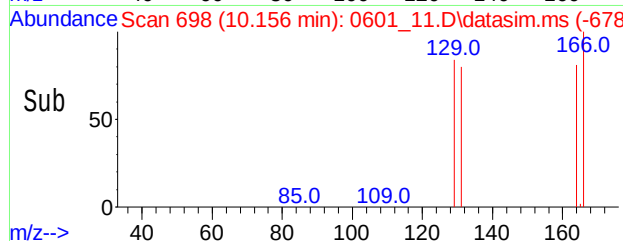
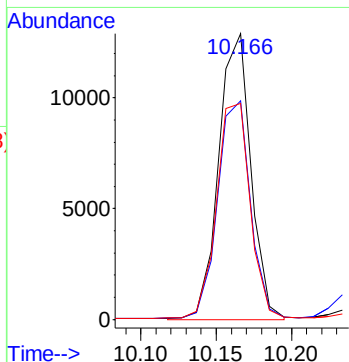
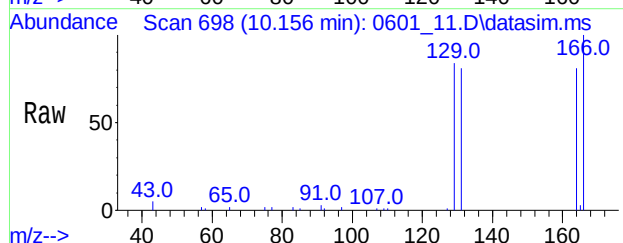
#97
Trichloroethene(sim)
Conc: 8\$ 0.147 ppbv
RT: 8.422 min Scan# 529
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

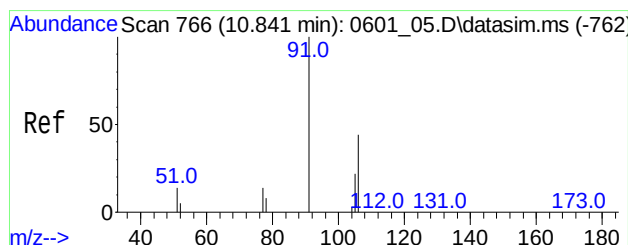
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	12569		
132	101.5	80.6	120.8	
95	121.2	90.4	135.6	



#103
Tetrachloroethene(sim)
Conc: 8\$ 0.122 ppbv
RT: 10.160 min Scan# 698
Delta R.T. -0.000 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

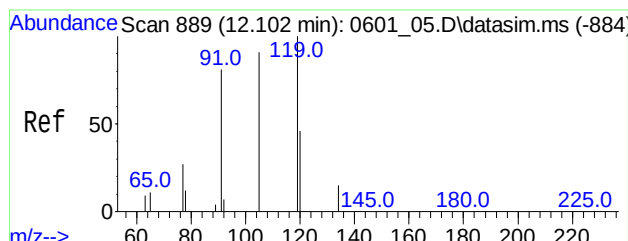
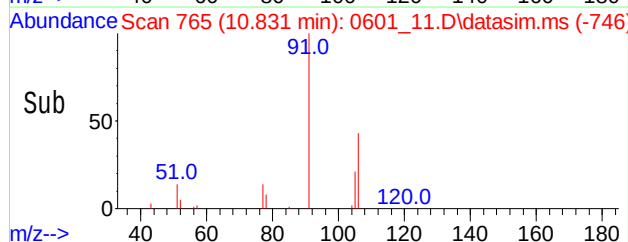
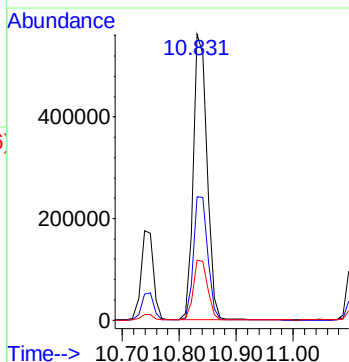
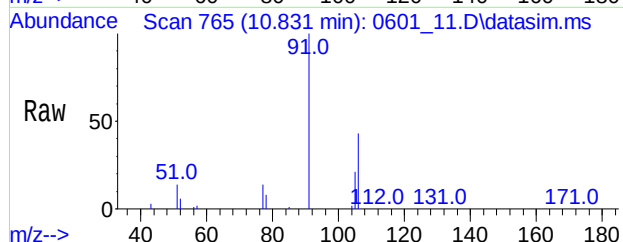
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	15065		
164	82.7	59.1	99.1	
129	79.8	56.6	96.6	





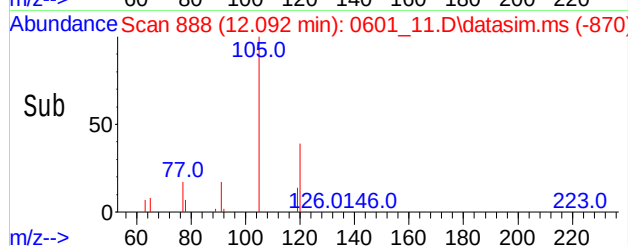
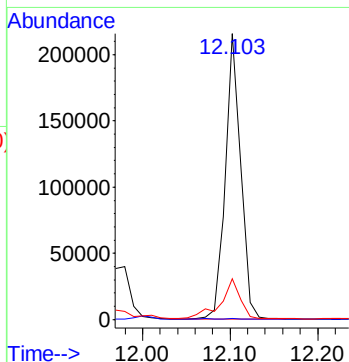
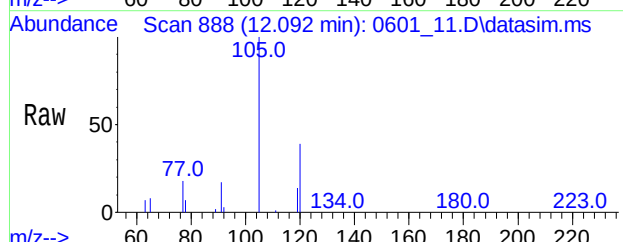
#106
m,p-Xylene(sim)
Conc: 8\$ 4.722 ppbv
RT: 10.831 min Scan# 765
Delta R.T. -0.010 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

Tgt	Ion	Ratio	Resp	Lower	Upper
91	100				
106	44.7	40.1	959150		49.0
105	21.7	17.3			25.9



#113
sec-Butylbenzene(sim)
Conc: 8\$ 0.882 ppbv
RT: 12.097 min Scan# 888
Delta R.T. -0.010 min
Lab File: 0601_11.D
Acq: 1 Jun 2020 2:10 pm

Tgt	Ion	Ratio	Resp	Lower	Upper
105	100				
134	0.7	0.0	233090		36.0
77	18.5	6.4			46.4



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	IA-4
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03903</u>	
Canister:	<u>21368</u>	Lab File ID:	<u>0601_12.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received: <u>06/01/20</u>
Purge Volume	<u>200</u> (cc)			Date Analyzed: <u>06/01/20</u>
Matrix:	<u>AIR</u>		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.945		0.202	0.202	r
74-87-3	Chloromethane	0.802		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	103	ES	0.531	0.531	r
67-64-1	Acetone	28.4	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.857		0.178	0.178	r
67-63-0	Isopropylalcohol	9.21	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	6.49		0.339	0.339	r
110-54-3	Hexane	0.806	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	5.03		0.339	0.339	r
71-43-2	Benzene	0.388		0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.503		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	2.10		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	3.78		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.813		0.230	0.230	r
179601-23-1	m,p-Xylene	3.80		0.230	0.230	r
100-42-5	Styrene	0.346		0.235	0.235	r
95-47-6	o-Xylene	1.19		0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.547		0.204	0.204	r
135-98-8	sec-Butylbenzene	0.547		0.182	0.182	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

IA-4

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03903

Canister: 21368 Lab File ID: 0601_12.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.088		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.095		0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.065		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_12.D
 Acq On : 1 Jun 2020 2:51 pm
 Operator :
 Client ID : IA-4
 Lab ID : CG03903
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 01 15:26:41 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

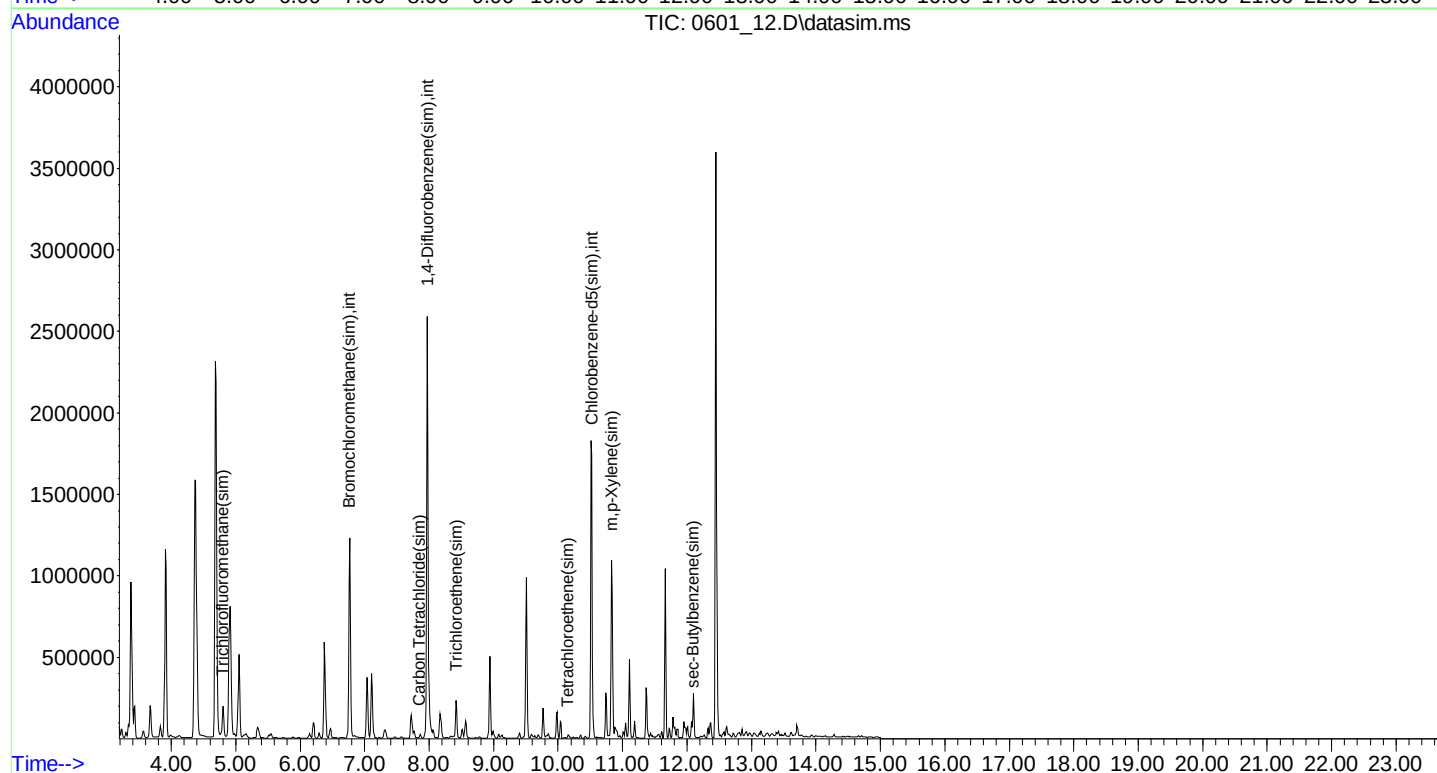
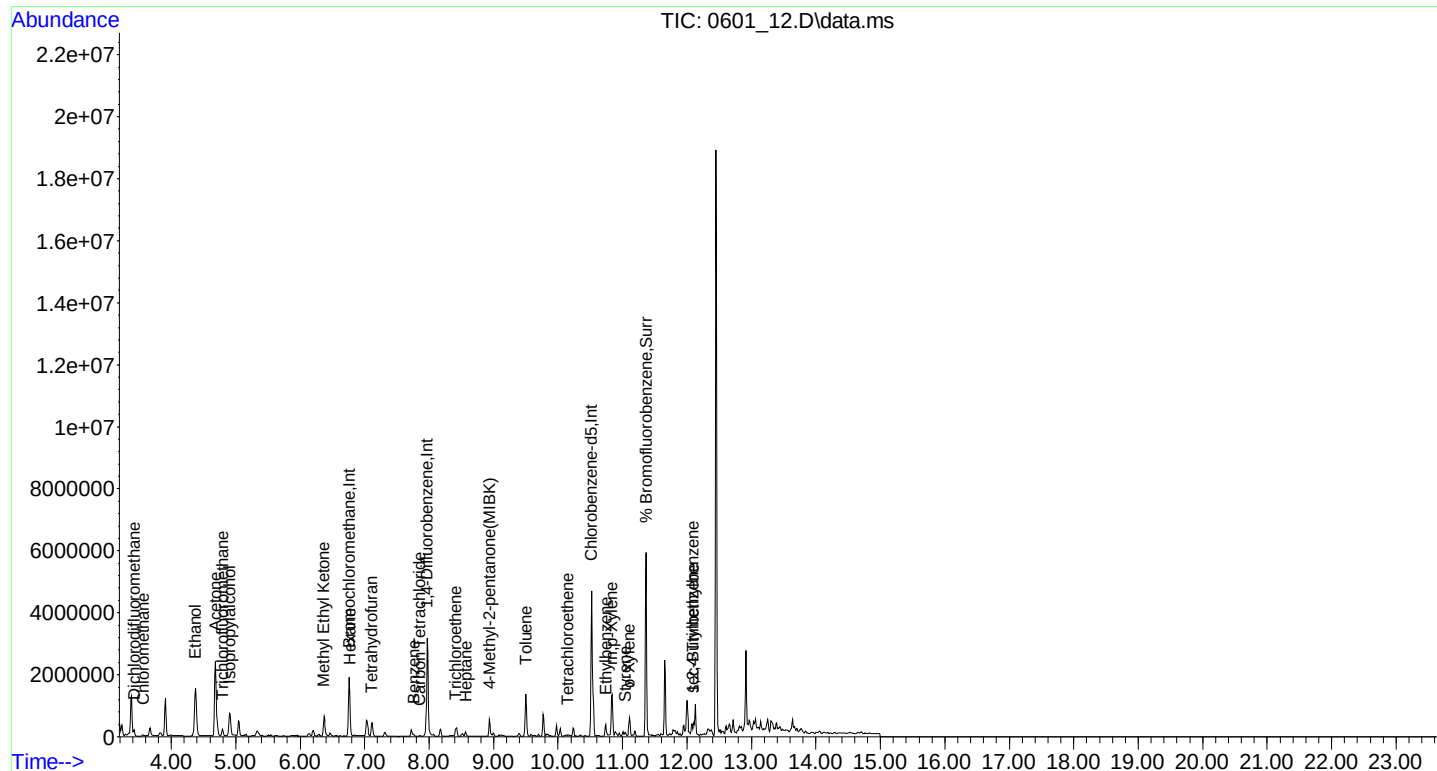
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.759	130	543179	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.965	114	2048086	10.000	ng	-0.02
53) Chlorobenzene-d5	10.518	82	1122037	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.765	130	580287	10.000	ng	#-0.02
94) 1,4-Difluorobenzene(sim)	7.971	114	2349803	10.000	ng	-0.01
104) Chlorobenzene-d5(sim)	10.524	82	1228551	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1544153	9.562	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	95.60%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.425	85	177683	0.945	ppbv	98
4) Chloromethane	3.565	50	45932	0.802	ppbv	98
11) Ethanol	4.374	45	2184469	102.898	ppbv	99
12) Acetone	4.686	43	2846243	28.351	ppbv	93
13) Trichlorofluoromethane	4.794	101	165567	0.857	ppbv	97
14) Isopropylalcohol	4.902	45	1023435	9.214	ppbv	98
25) Methyl Ethyl Ketone	6.369	43	693683	6.489	ppbv	98
27) Hexane	6.770	57	69512	0.806	ppbv	96
30) Tetrahydrofuran	7.113	42	253356	5.027	ppbv	96
33) Benzene	7.765	78	47523	0.388	ppbv	93
34) Carbon Tetrachloride	7.854	117	14386	0.089	ppbv	92
39) Trichloroethene	8.411	130	7867	0.099	ppbv	92
43) Heptane	8.567	43	58565	0.503	ppbv#	81
45) 4-Methyl-2-pentanone(M...)	8.934	43	347748	2.102	ppbv#	86
48) Toluene	9.501	91	712205	3.775	ppbv	99
52) Tetrachloroethene	10.151	166	7770	0.067	ppbv	95
56) Ethylbenzene	10.744	91	188819	0.813	ppbv	97
57) m,p-Xylene	10.836	91	736848	3.795	ppbv	97
59) Styrene	11.041	104	45988	0.346	ppbv	95
61) o-Xylene	11.102	91	257358	1.186	ppbv	95
68) 1,2,4-Trimethylbenzene	12.097	105	150720	0.547	ppbv#	89
73) sec-Butylbenzene	12.097	105	150720	0.547	ppbv#	79
84) Trichlorofluoromethane...	4.800	101	180699	0.840	ppbv#	100
87) Carbon Tetrachloride(sim)	7.854	117	14386	0.088	ppbv	92
97) Trichloroethene(sim)	8.411	130	7867	0.095	ppbv	98
103) Tetrachloroethene(sim)	10.151	166	7770	0.065	ppbv	95
106) m,p-Xylene(sim)	10.831	91	826980	4.268	ppbv	100
113) sec-Butylbenzene(sim)	12.097	105	149001	0.611	ppbv	79

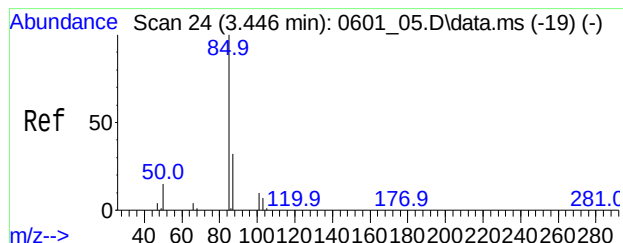
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_12.D
 Acq On : 1 Jun 2020 2:51 pm
 Operator :
 Client ID : IA-4
 Lab ID : CG03903
 ALS Vial : 9 Sample Multiplier: 1

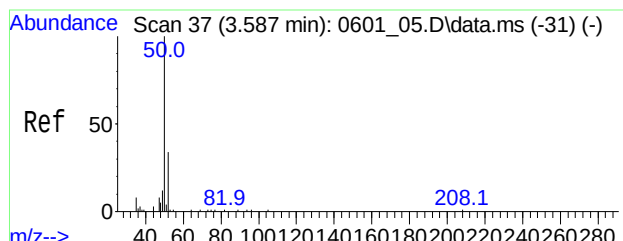
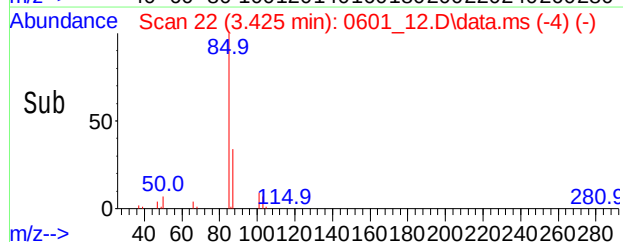
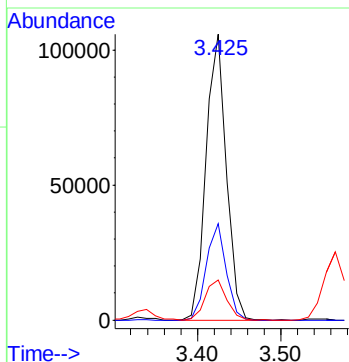
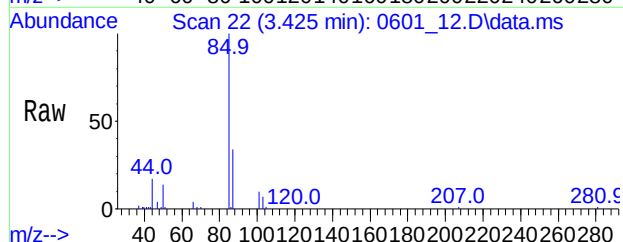
Quant Time: Jun 01 15:26:41 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration





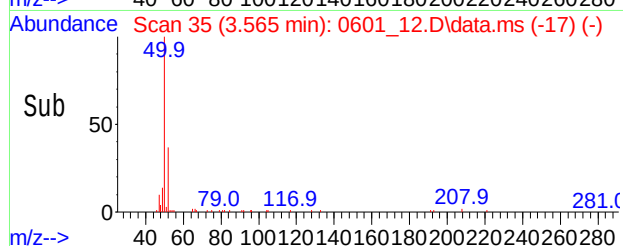
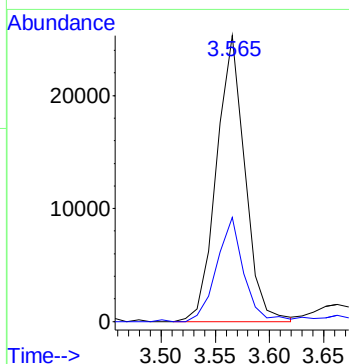
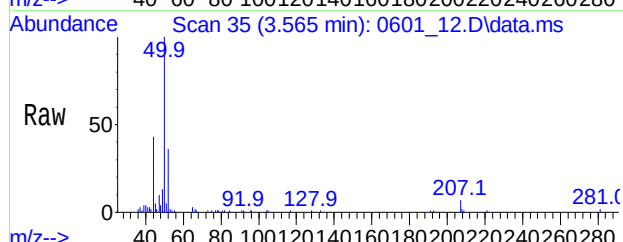
#3
Dichlorodifluoromethane
Conc: 8\$ 0.945 ppbv
RT: 3.425 min Scan# 22
Delta R.T. -0.011 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

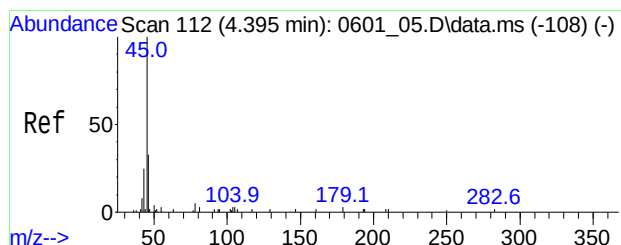
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	177683		
87	33.0	25.7	38.5	
50	14.9	11.0	16.6	



#4
Chloromethane
Conc: 8\$ 0.802 ppbv
RT: 3.565 min Scan# 35
Delta R.T. -0.011 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

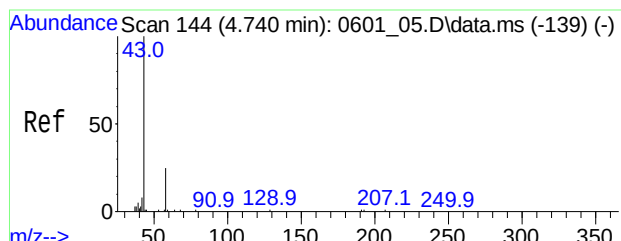
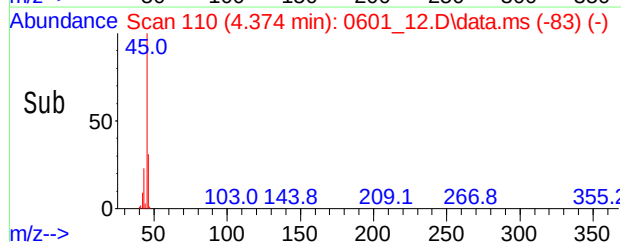
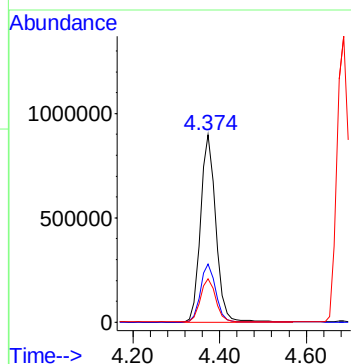
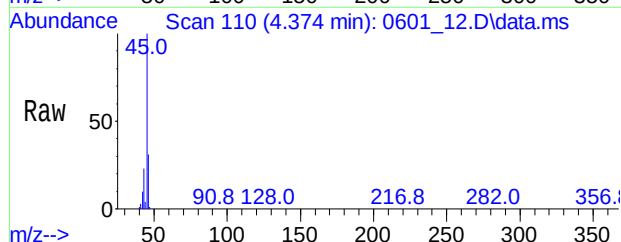
Tgt Ion	Ratio	Resp	Lower	Upper
50	100	45932		
52	35.0	14.0	54.0	





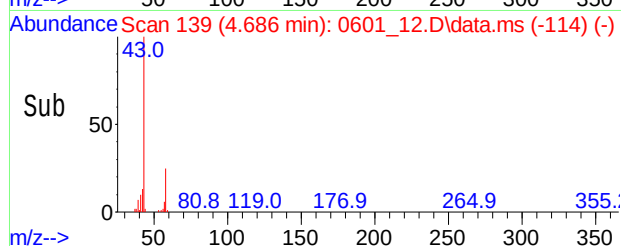
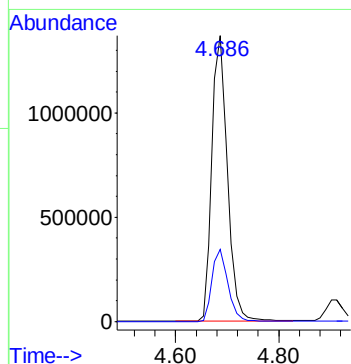
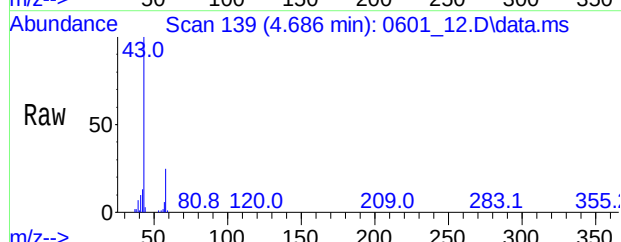
#11
Ethanol
Conc: 8\$ 102.898 ppbv
RT: 4.374 min Scan# 110
Delta R.T. -0.011 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

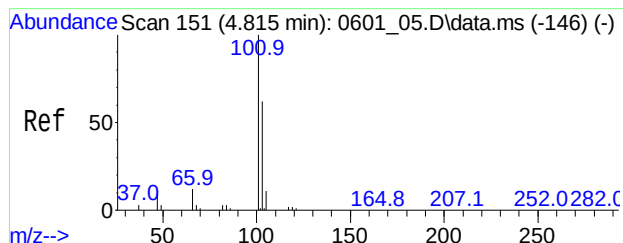
Tgt Ion: 45 Resp: 2184469
Ion Ratio Lower Upper
45 100
46 31.2 24.6 37.0
43 23.5 19.3 28.9



#12
Acetone
Conc: 8\$ 28.351 ppbv
RT: 4.686 min Scan# 139
Delta R.T. -0.032 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

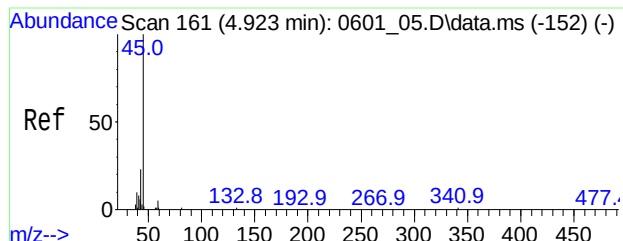
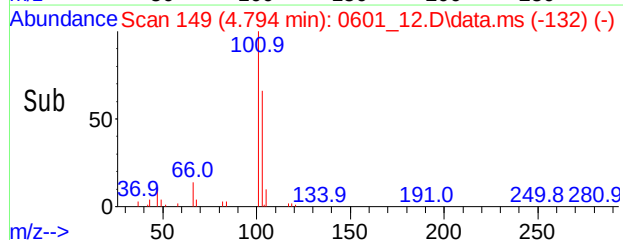
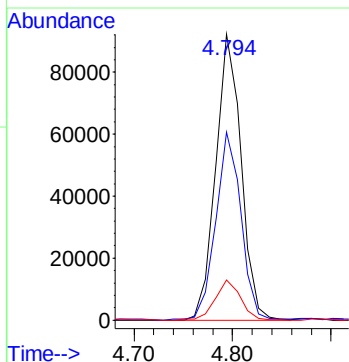
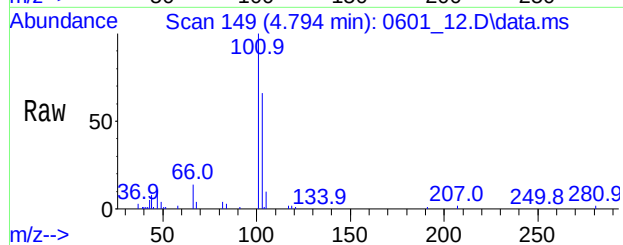
Tgt Ion: 43 Resp: 2846243
Ion Ratio Lower Upper
43 100
58 25.9 23.8 35.8





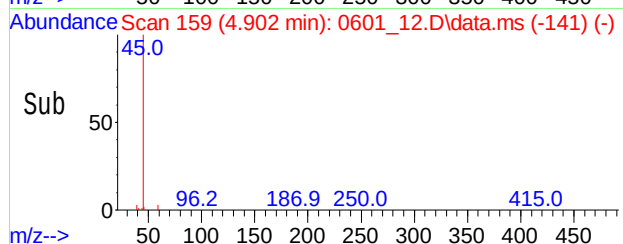
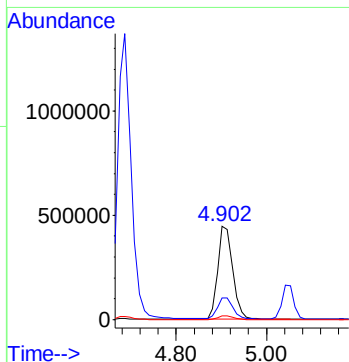
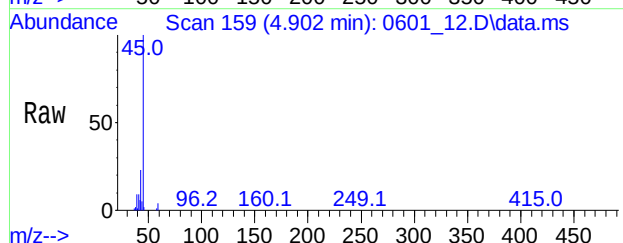
#13
Trichlorofluoromethane
Conc: 8\$ 0.857 ppbv
RT: 4.794 min Scan# 149
Delta R.T. -0.021 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

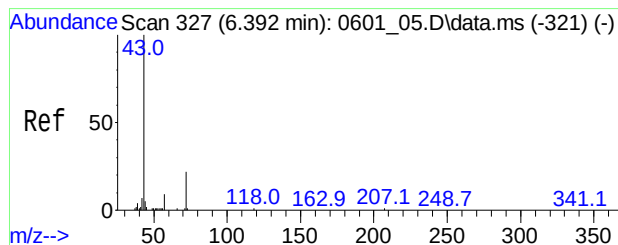
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	165567		
103	65.6	50.9	76.3	
66	14.1	10.0	15.0	



#14
Isopropylalcohol
Conc: 8\$ 9.214 ppbv
RT: 4.902 min Scan# 159
Delta R.T. -0.011 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

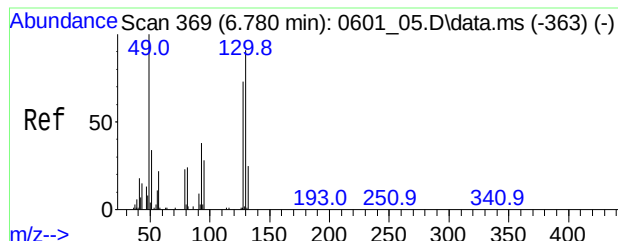
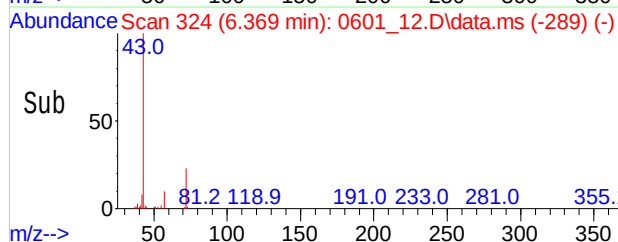
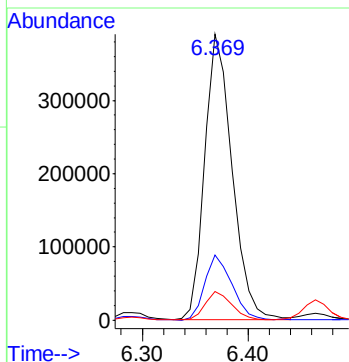
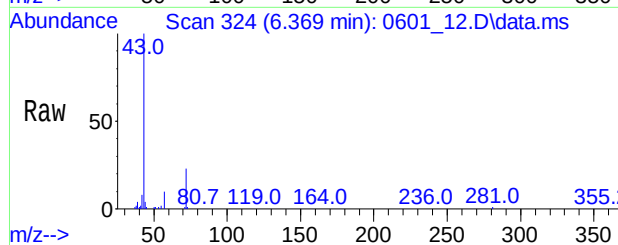
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	1023435		
43	24.0	19.9	29.9	
59	4.0	3.6	5.4	





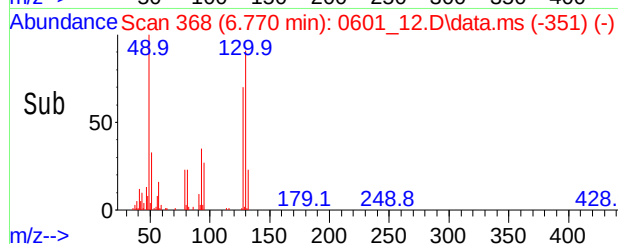
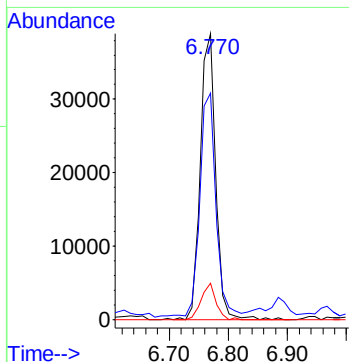
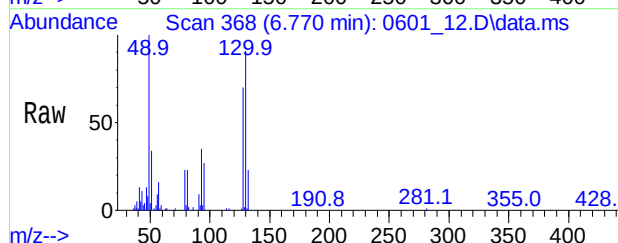
#25
Methyl Ethyl Ketone
Conc: 8\$ 6.489 ppbv
RT: 6.369 min Scan# 324
Delta R.T. -0.024 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

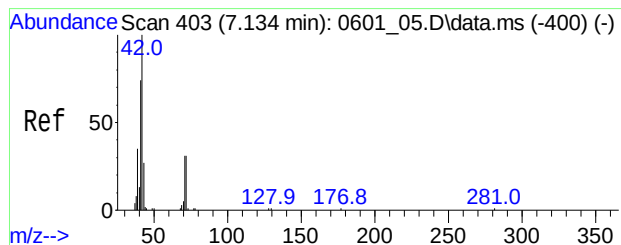
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	693683		
72	22.6	19.0	28.4	
57	9.8	8.6	12.8	



#27
Hexane
Conc: 8\$ 0.806 ppbv
RT: 6.770 min Scan# 368
Delta R.T. -0.010 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

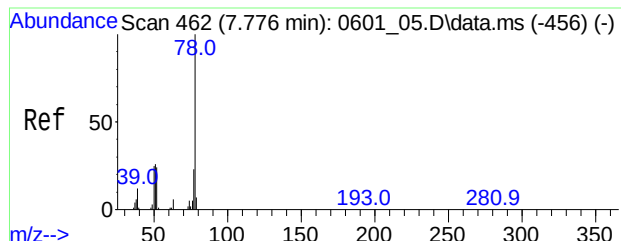
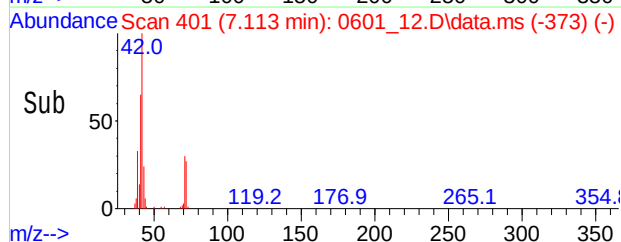
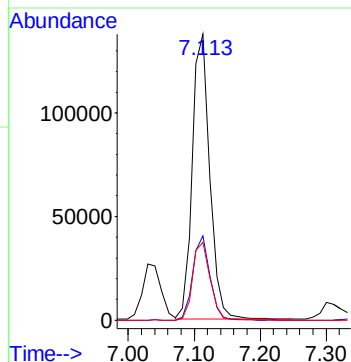
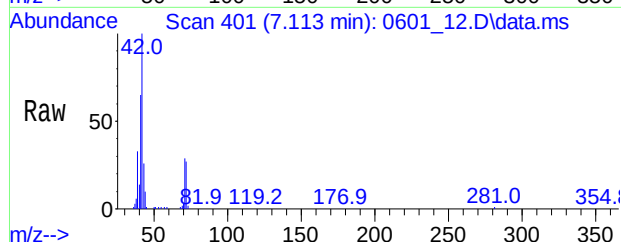
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	69512		
41	81.4	62.6	93.8	
86	12.1	8.1	12.1	





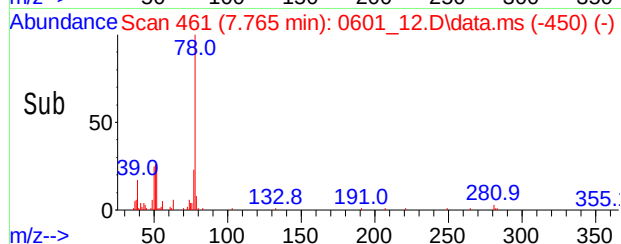
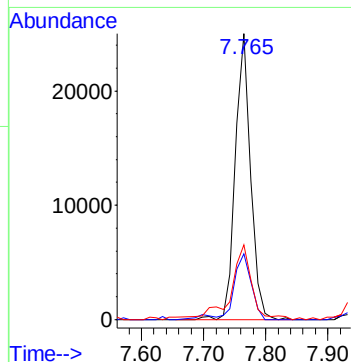
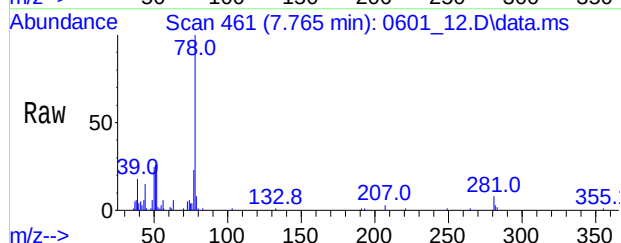
#30
Tetrahydrofuran
Conc: 8\$ 5.027 ppbv
RT: 7.113 min Scan# 401
Delta R.T. -0.010 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

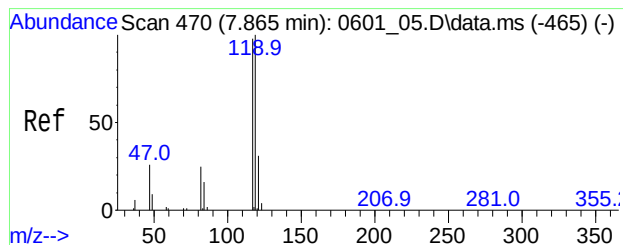
Tgt Ion	Ratio	Resp	Lower	Upper
42	100	253356		
71	28.8	25.0	37.6	
72	27.3	23.8	35.6	



#33
Benzene
Conc: 8\$ 0.388 ppbv
RT: 7.765 min Scan# 461
Delta R.T. -0.011 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

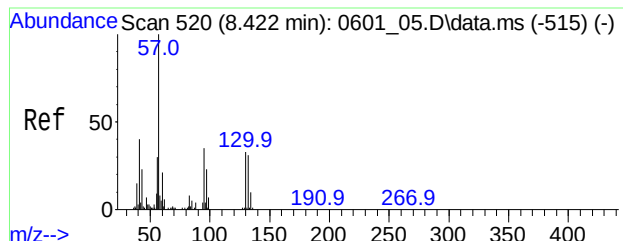
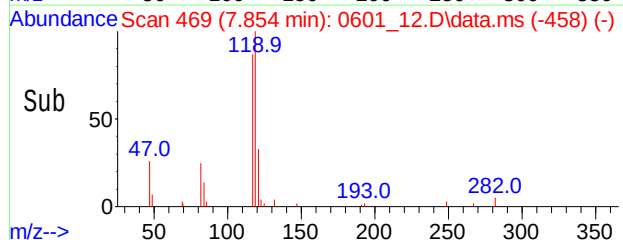
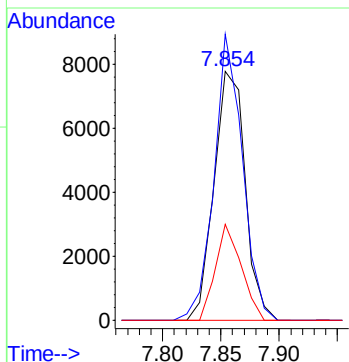
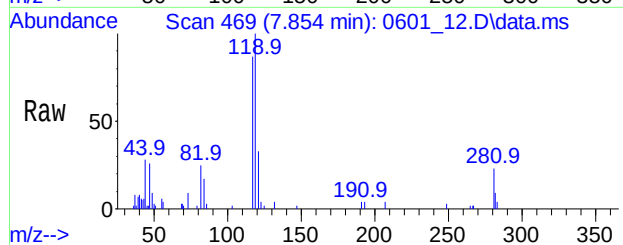
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	47523		
77	22.0	18.9	28.3	
51	34.7	23.2	34.8	





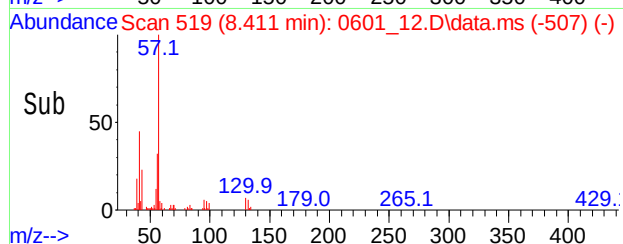
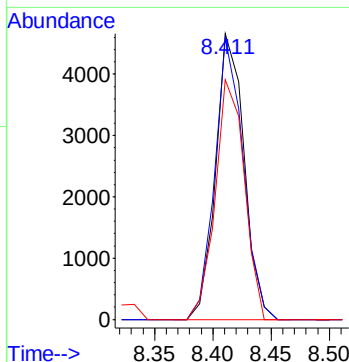
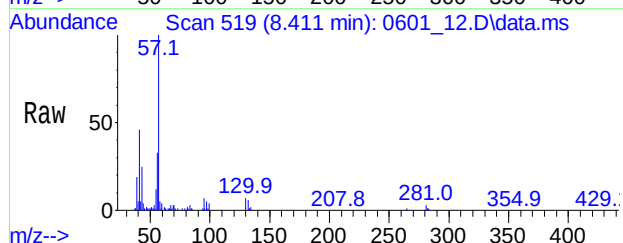
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.854 min Scan# 469
Delta R.T. -0.022 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

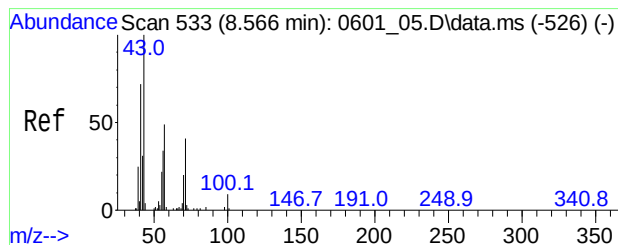
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	14386		
119	104.8	75.6	115.6	
121	31.8	10.3	50.3	



#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 8.411 min Scan# 519
Delta R.T. -0.011 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

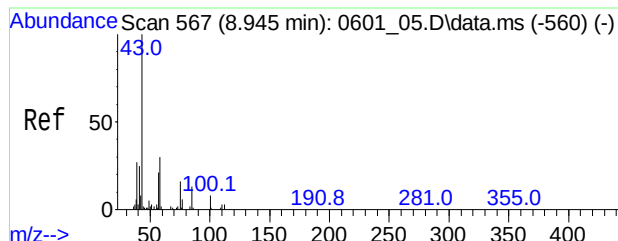
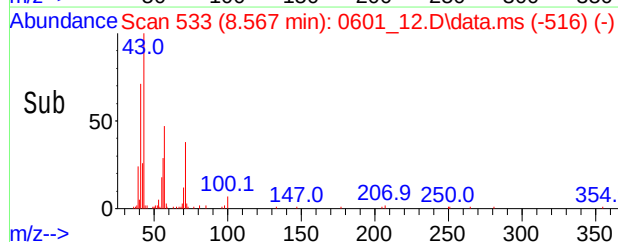
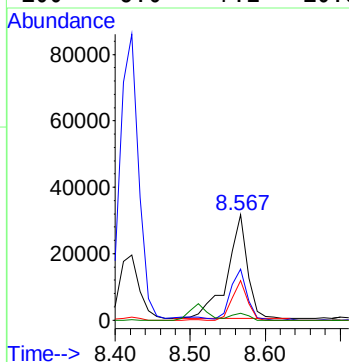
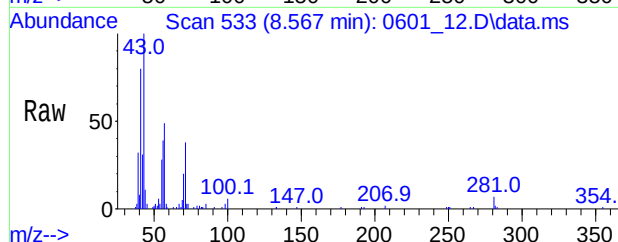
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	7867		
132	98.7	80.6	121.0	
97	85.8	58.1	87.1	





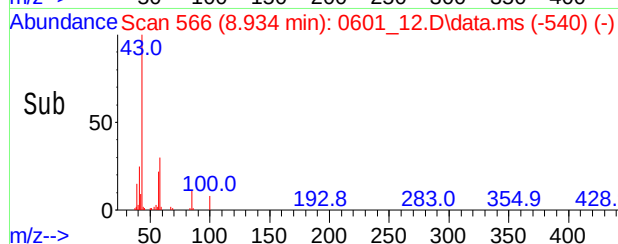
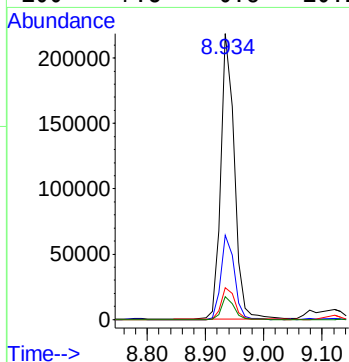
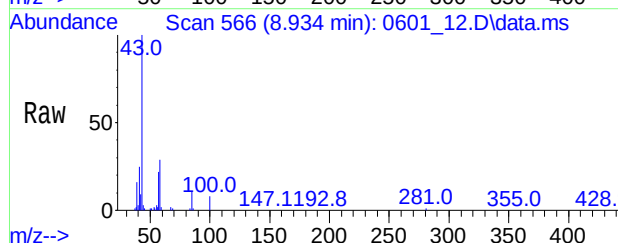
#43
Heptane
Conc: 8\$ 0.503 ppbv
RT: 8.567 min Scan# 533
Delta R.T. -0.011 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

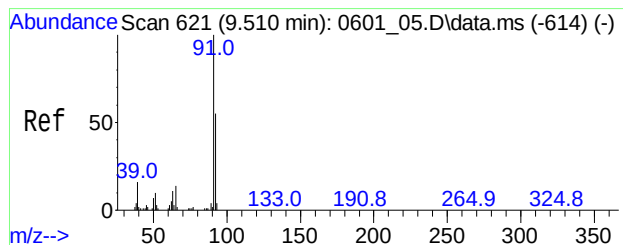
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	58565		
57	39.9	43.7	65.5#	
71	28.6	32.4	48.6#	
100	5.6	7.2	10.8#	



#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 2.102 ppbv
RT: 8.934 min Scan# 566
Delta R.T. -0.011 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

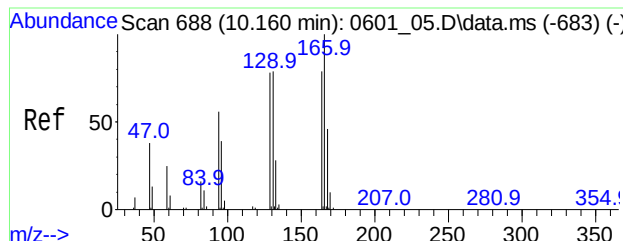
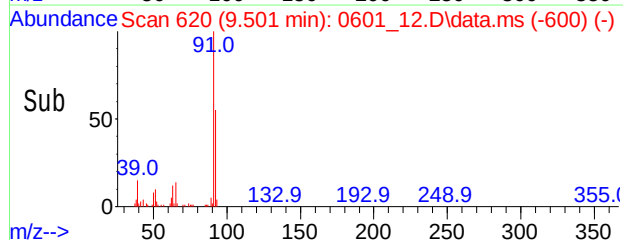
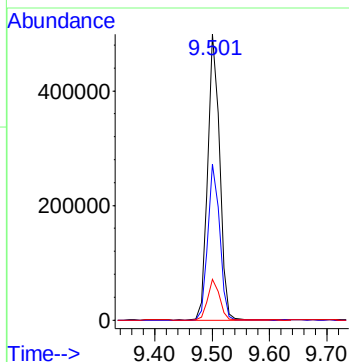
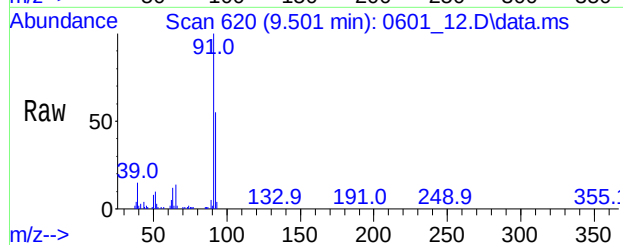
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	347748		
58	29.3	32.2	48.2#	
85	11.4	13.3	19.9#	
100	7.3	6.8	10.2	





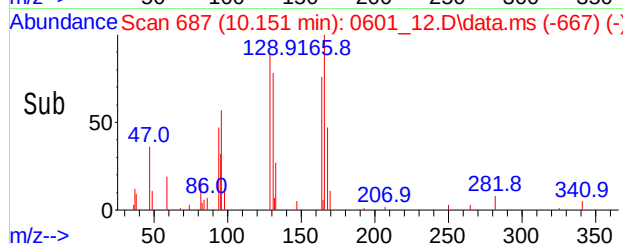
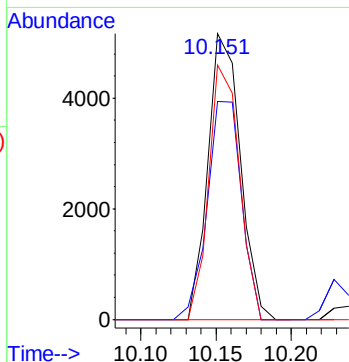
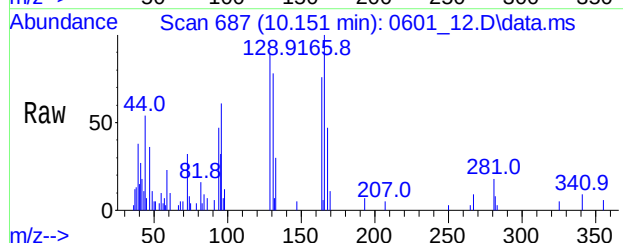
#48
Toluene
Conc: 8\$ 3.775 ppbv
RT: 9.501 min Scan# 620
Delta R.T. -0.010 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

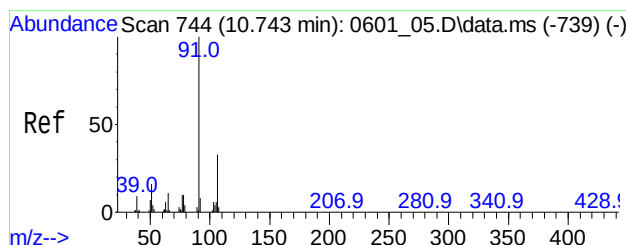
Tgt	Ion	Ratio	Resp	Lower	Upper
91	100		712205		
92	54.5	43.6	65.4		
65	14.3	12.2	18.4		



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.151 min Scan# 687
Delta R.T. -0.010 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

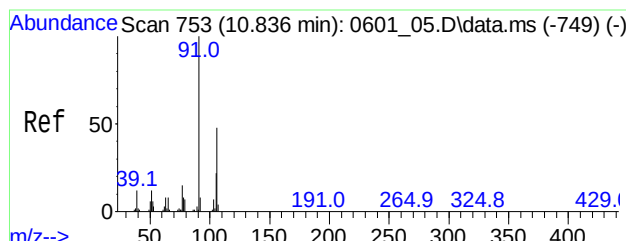
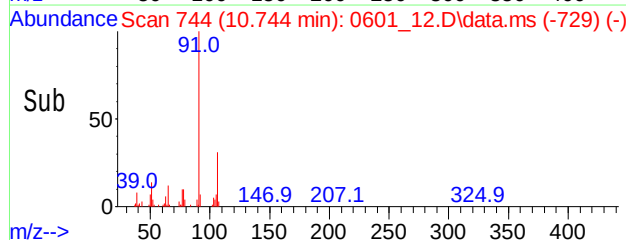
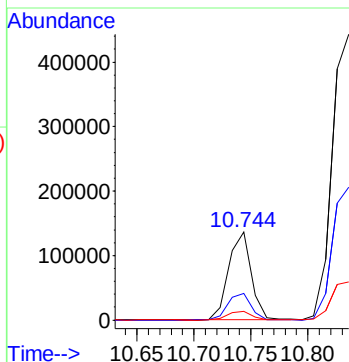
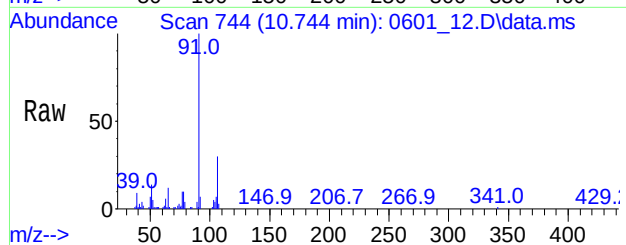
Tgt	Ion	Ratio	Resp	Lower	Upper
166	100		7770		
164	80.4	63.3	94.9		
129	83.8	61.2	91.8		





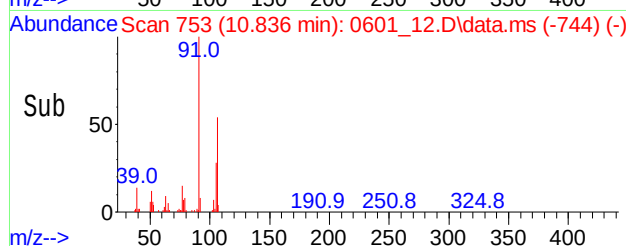
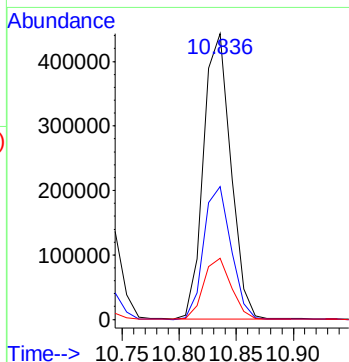
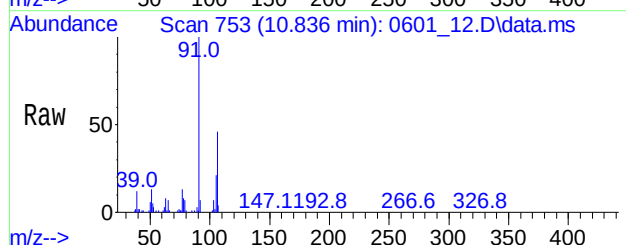
#56
Ethylbenzene
Conc: 8\$ 0.813 ppbv
RT: 10.744 min Scan# 744
Delta R.T. 0.000 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

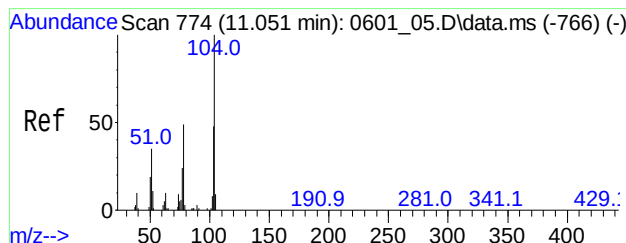
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	188819		
106	31.7	10.0	50.0	
77	11.1	0.0	29.9	



#57
m,p-Xylene
Conc: 8\$ 3.795 ppbv
RT: 10.836 min Scan# 753
Delta R.T. -0.010 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

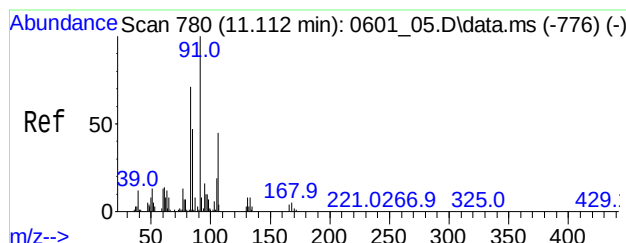
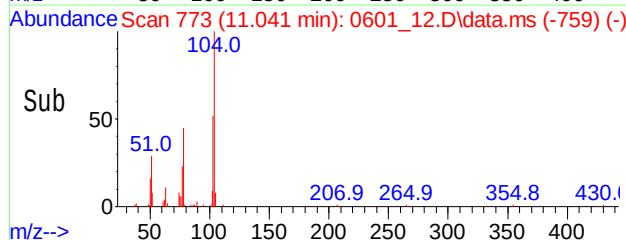
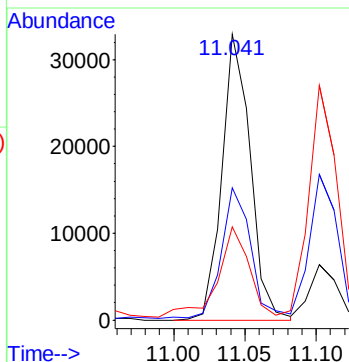
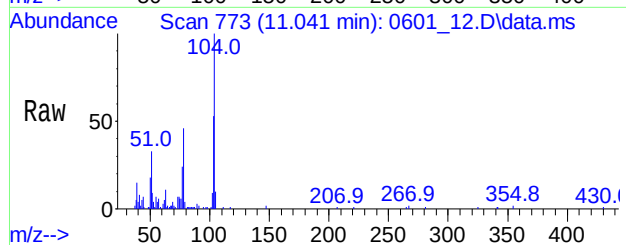
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	736848		
106	46.8	35.6	53.4	
105	21.7	17.1	25.7	





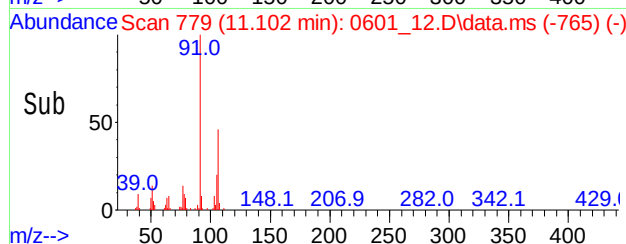
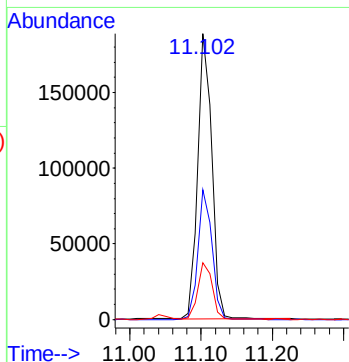
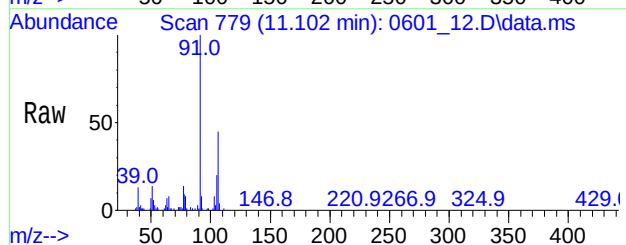
#59
Styrene
Conc: 8\$ 0.346 ppbv
RT: 11.041 min Scan# 773
Delta R.T. -0.010 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

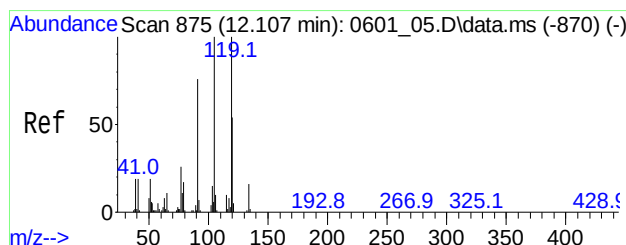
Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.1	42.0	63.0
51	34.6	27.8	41.8



#61
o-Xylene
Conc: 8\$ 1.186 ppbv
RT: 11.102 min Scan# 779
Delta R.T. -0.010 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

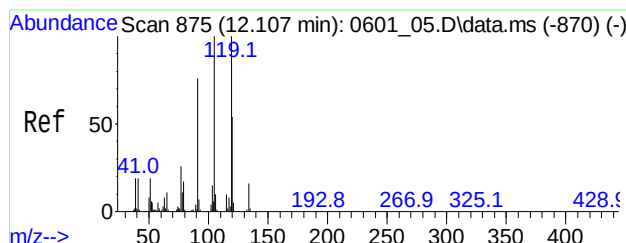
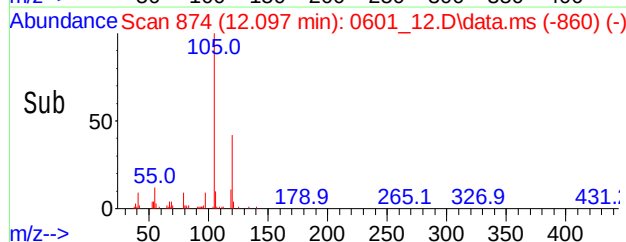
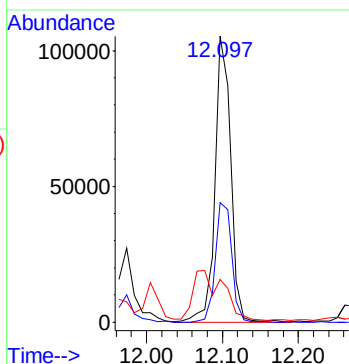
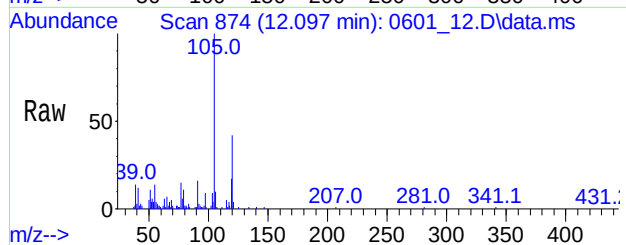
Tgt Ion	Ratio	Lower	Upper
91	100		
106	45.2	33.4	50.0
105	20.7	14.7	22.1





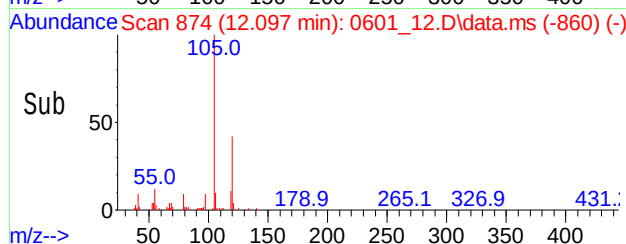
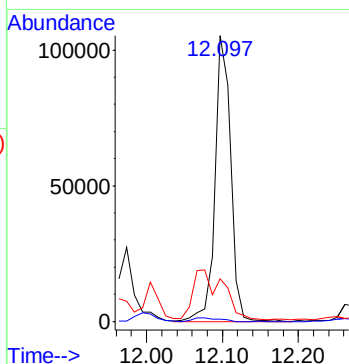
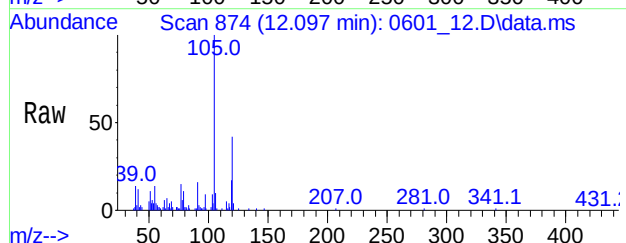
#68
1,2,4-Trimethylbenzene
Conc: 8\$ 0.547 ppbv
RT: 12.097 min Scan# 874
Delta R.T. -0.010 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

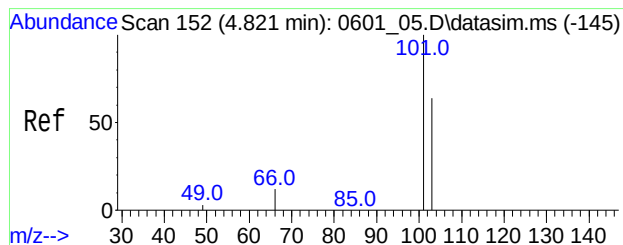
Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	40.1	60.1
77	33.3	21.1	31.7#



#73
sec-Butylbenzene
Conc: 8\$ 0.547 ppbv
RT: 12.097 min Scan# 874
Delta R.T. -0.010 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

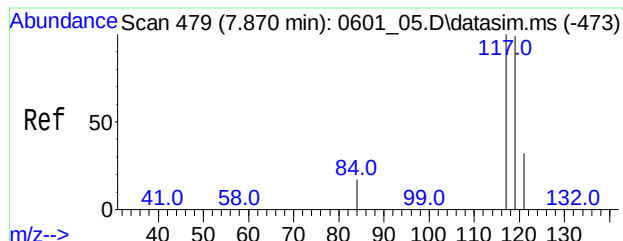
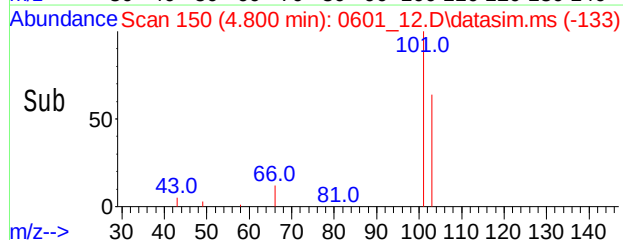
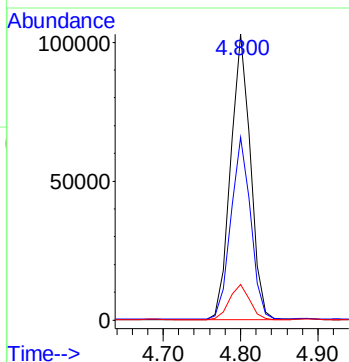
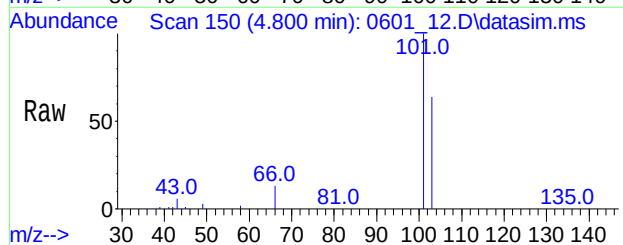
Tgt Ion	Ratio	Lower	Upper
105	100		
134	2.2	12.8	19.2#
77	33.3	21.1	31.7#





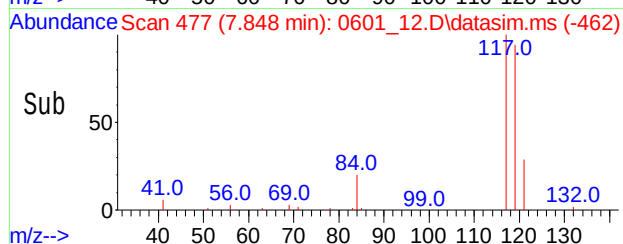
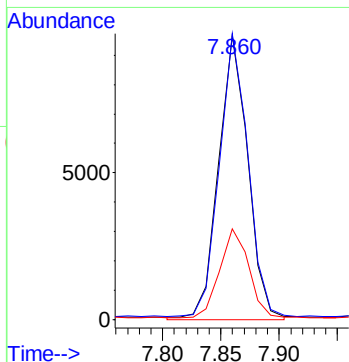
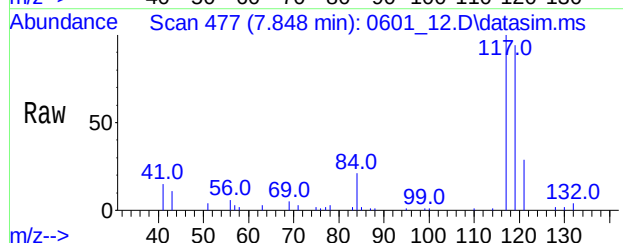
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.840 ppbv
RT: 4.800 min Scan# 150
Delta R.T. -0.021 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

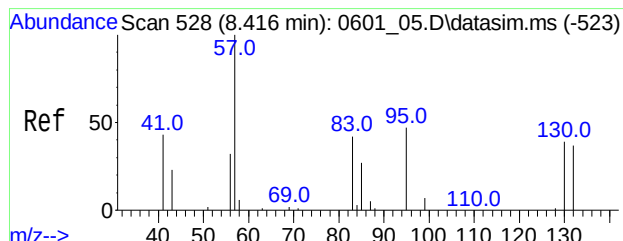
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	180699		
103	64.0	51.2	76.8	
66	12.4	12.8	12.8#	



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.088 ppbv
RT: 7.854 min Scan# 477
Delta R.T. -0.022 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

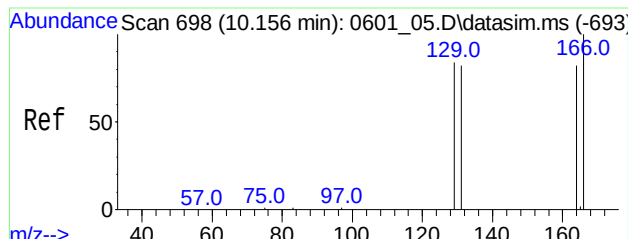
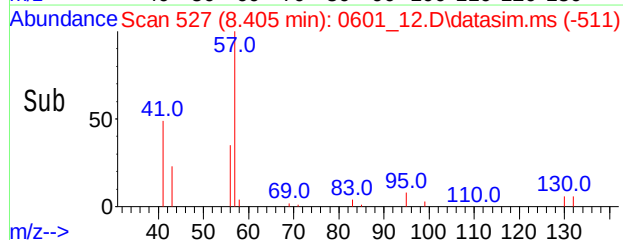
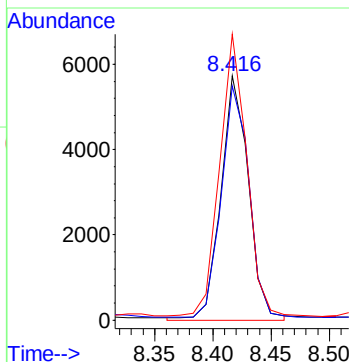
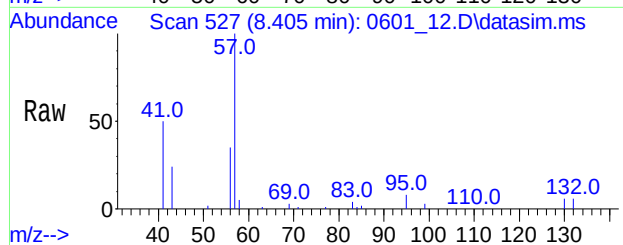
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	14386		
119	104.8	76.5	114.7	
121	31.8	24.2	36.4	





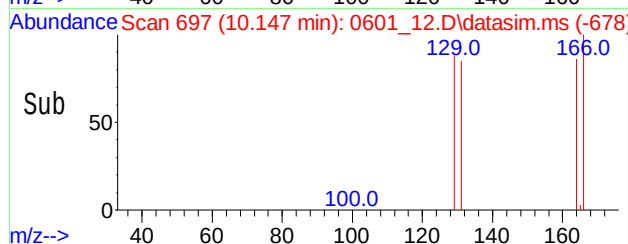
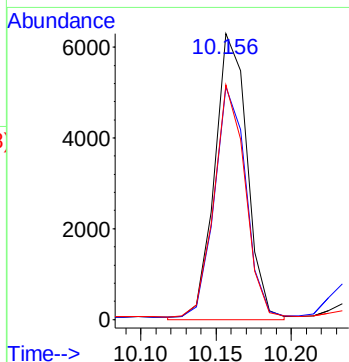
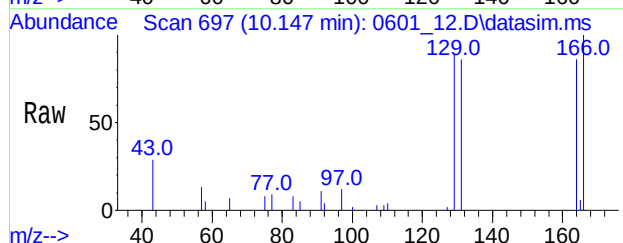
#97
Trichloroethene(sim)
Conc: 8\$ 0.095 ppbv
RT: 8.411 min Scan# 527
Delta R.T. -0.011 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

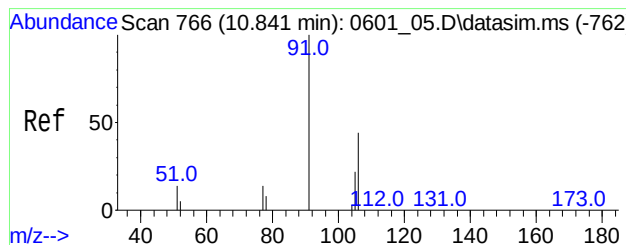
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	7867		
132	98.7	80.6	120.8	
95	116.0	90.4	135.6	



#103
Tetrachloroethene(sim)
Conc: 8\$ 0.065 ppbv
RT: 10.151 min Scan# 697
Delta R.T. -0.010 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

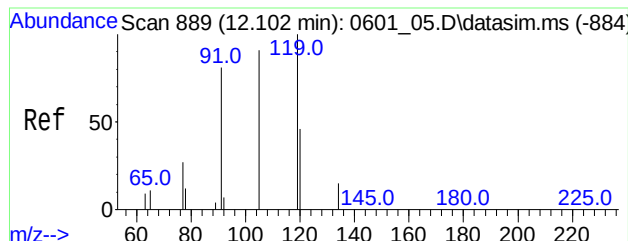
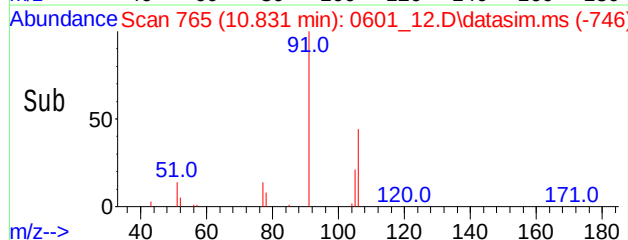
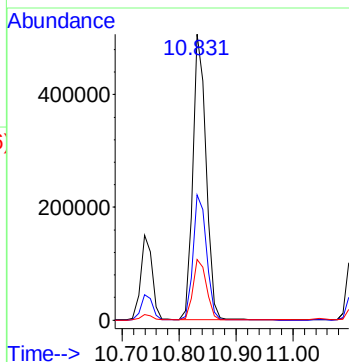
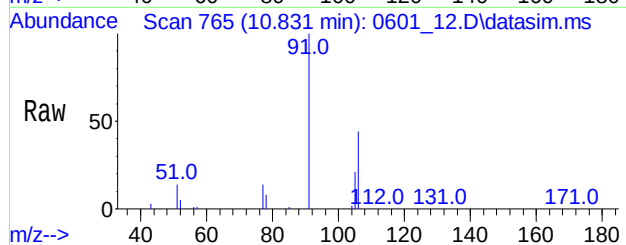
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	7770		
164	80.4	59.1	99.1	
129	83.8	56.6	96.6	





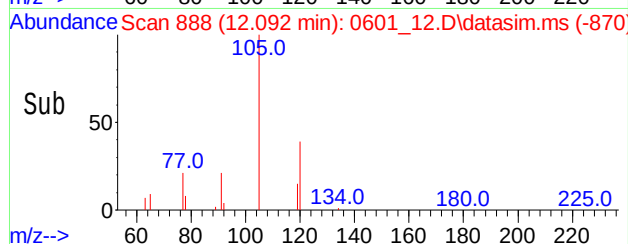
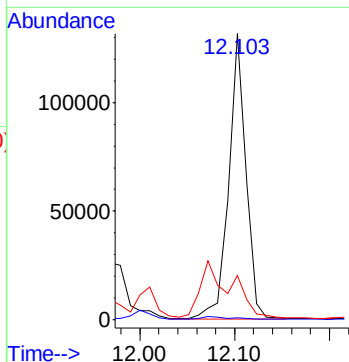
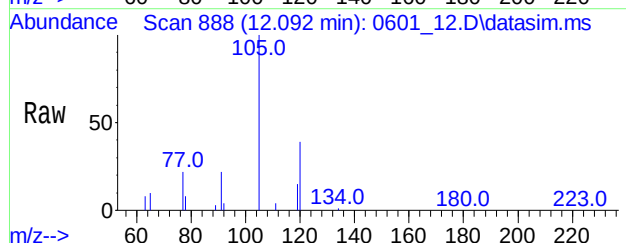
#106
m,p-Xylene(sim)
Conc: 8\$ 4.268 ppbv
RT: 10.831 min Scan# 765
Delta R.T. -0.010 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	826980		
106	44.7	40.1	49.0	
105	21.8	17.3	25.9	



#113
sec-Butylbenzene(sim)
Conc: 8\$ 0.611 ppbv
RT: 12.097 min Scan# 888
Delta R.T. -0.010 min
Lab File: 0601_12.D
Acq: 1 Jun 2020 2:51 pm

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	149001		
134	2.2	0.0	36.0	
77	33.6	6.4	46.4	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03904</u>
Canister:	<u>11290</u>	Lab File ID:	<u>0601_13.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>06/01/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.875		0.202	0.202	r
74-87-3	Chloromethane	0.743		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	45.6	ES	0.531	0.531	r
67-64-1	Acetone	3.97	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.264		0.178	0.178	r
67-63-0	Isopropylalcohol	2.19	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.329		0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.320		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

IA-7

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03904

Canister: 11290 Lab File ID: 0601_13.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.083		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.063		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_13.D
 Acq On : 1 Jun 2020 3:32 pm
 Operator :
 Client ID : IA-7
 Lab ID : CG03904
 ALS Vial : 10 Sample Multiplier: 1

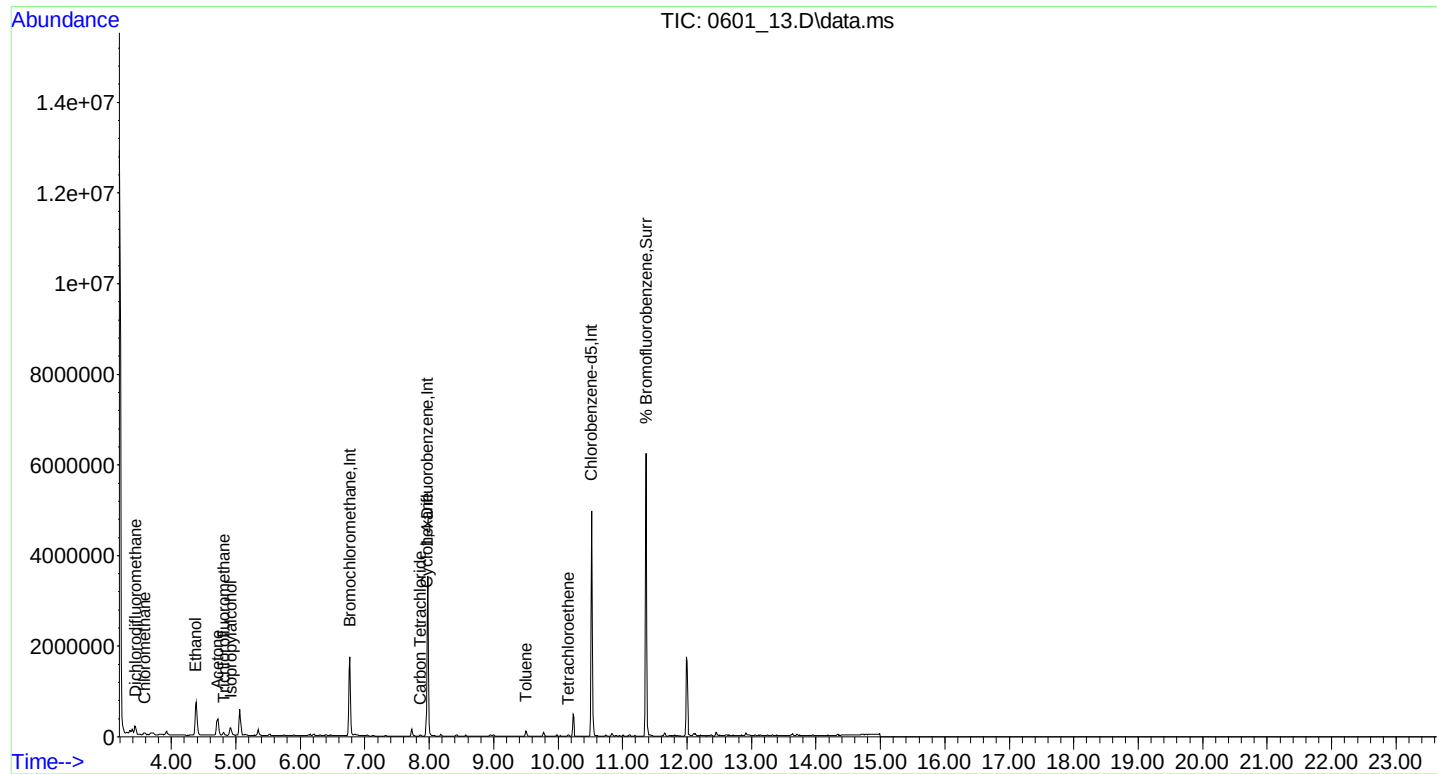
Quant Time: Jun 02 08:16:43 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

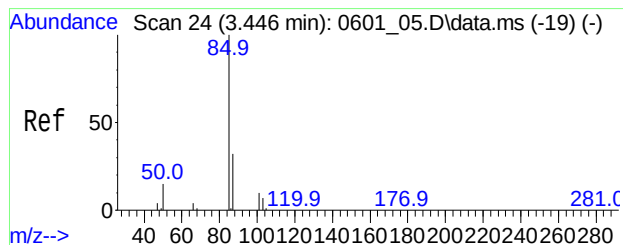
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	561321	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.976	114	2163576	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1166576	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.775	130	603497	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2474033	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.523	82	1287086	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1565315	9.323	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	93.20%
Target Compounds						
3) Dichlorodifluoromethane	3.446	85	170014	0.875	ppbv	Qvalue 99
4) Chloromethane	3.587	50	43938	0.743	ppbv	96
11) Ethanol	4.384	45	1001244	45.639	ppbv	99
12) Acetone	4.718	43	411933	3.971	ppbv	95
13) Trichlorofluoromethane	4.815	101	52705	0.264	ppbv	93
14) Isopropylalcohol	4.923	45	250798	2.185	ppbv	97
34) Carbon Tetrachloride	7.865	117	14110	0.085	ppbv	94
35) Cyclohexane	7.965	84	17336	0.329	ppbv#	48
48) Toluene	9.500	91	63717	0.320	ppbv	99
52) Tetrachloroethene	10.160	166	7870	0.065	ppbv	97
84) Trichlorofluoromethane...	4.821	101	56657	0.253	ppbv#	100
87) Carbon Tetrachloride(sim)	7.865	117	14110	0.083	ppbv	94
103) Tetrachloroethene(sim)	10.160	166	7870	0.063	ppbv	98

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
Data File : 0601_13.D
Acq On : 1 Jun 2020 3:32 pm
Operator :
Client ID : IA-7
Lab ID : CG03904
ALS Vial : 10 Sample Multiplier: 1

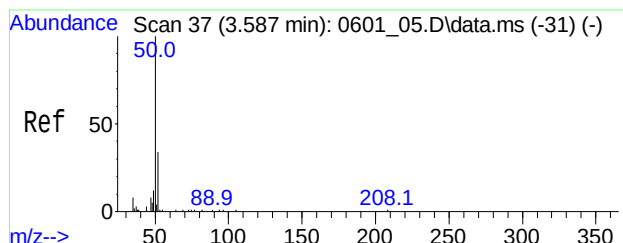
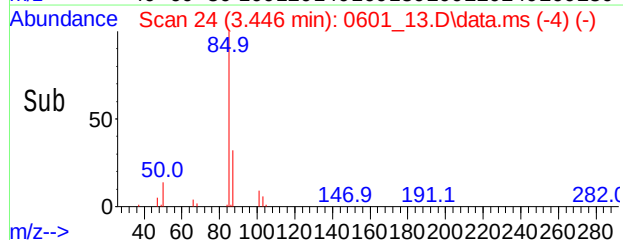
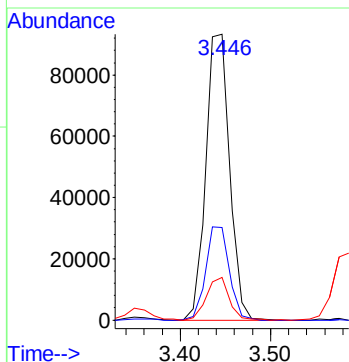
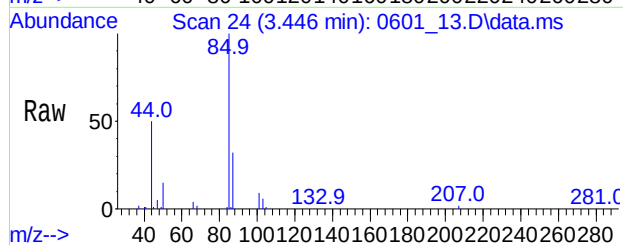
Quant Time: Jun 02 08:16:43 2020
Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Wed May 27 10:44:12 2020
Response via : Initial Calibration





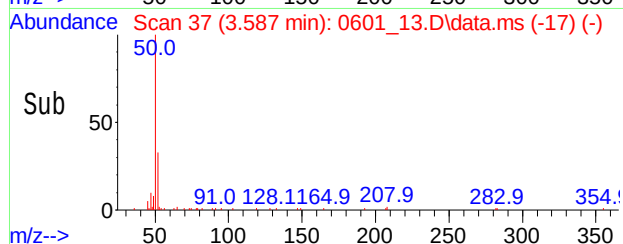
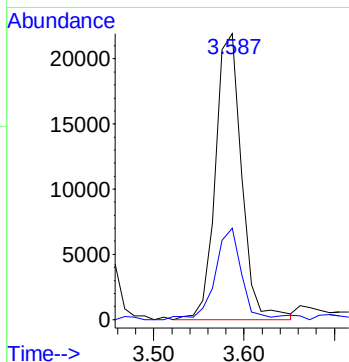
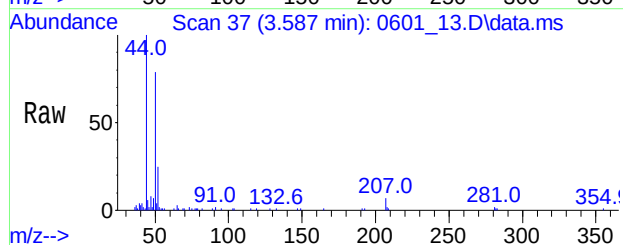
#3
Dichlorodifluoromethane
Conc: 8\$ 0.875 ppbv
RT: 3.446 min Scan# 24
Delta R.T. 0.011 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 3:32 pm

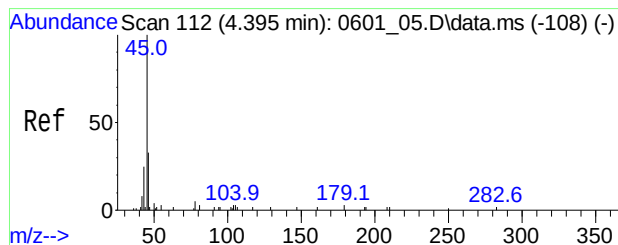
Tgt Ion	85	Resp	170014
Ion Ratio	Lower	Upper	
85	100		
87	32.3	25.7	38.5
50	14.4	11.0	16.6



#4
Chloromethane
Conc: 8\$ 0.743 ppbv
RT: 3.587 min Scan# 37
Delta R.T. 0.011 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 3:32 pm

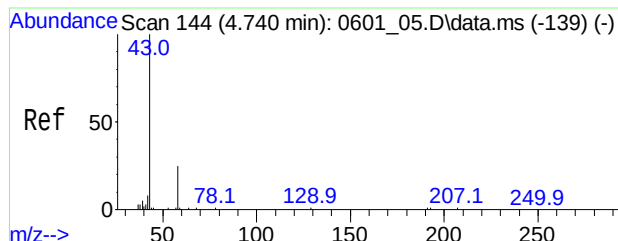
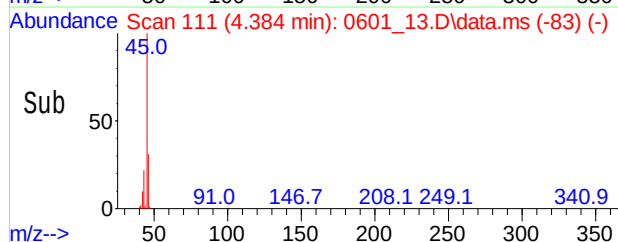
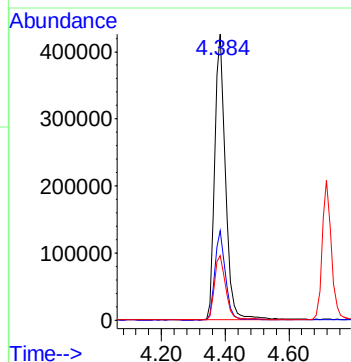
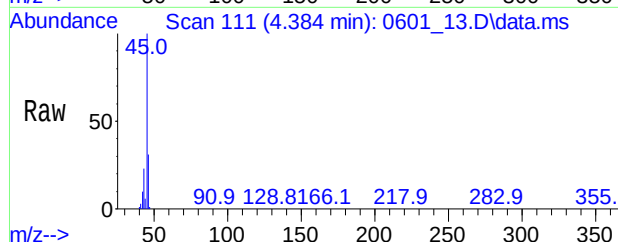
Tgt Ion	50	Resp	43938
Ion Ratio	Lower	Upper	
50	100		
52	31.6	14.0	54.0





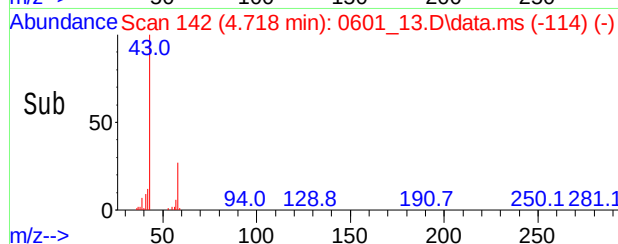
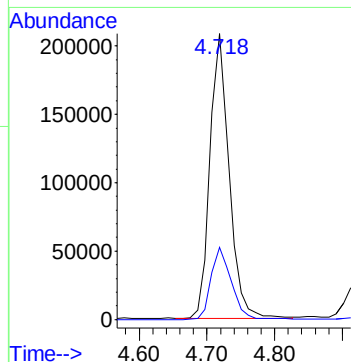
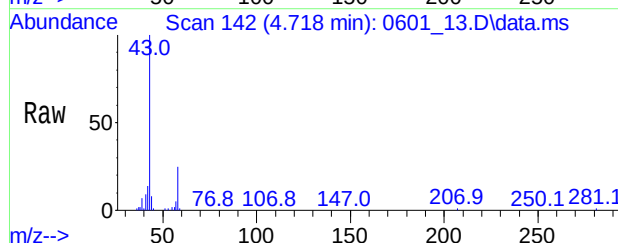
#11
Ethanol
Conc: 8\$ 45.639 ppbv
RT: 4.384 min Scan# 111
Delta R.T. -0.000 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 3:32 pm

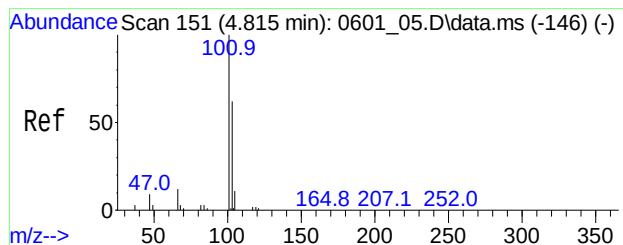
Tgt Ion	Ratio	Lower	Upper
45	100		
46	31.4	24.6	37.0
43	23.4	19.3	28.9



#12
Acetone
Conc: 8\$ 3.971 ppbv
RT: 4.718 min Scan# 142
Delta R.T. -0.000 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 3:32 pm

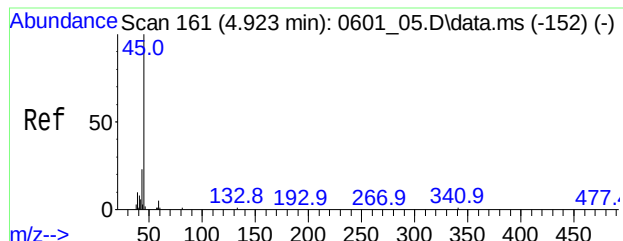
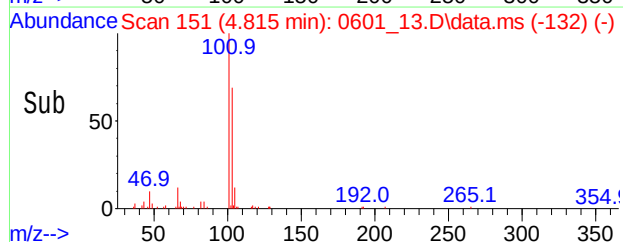
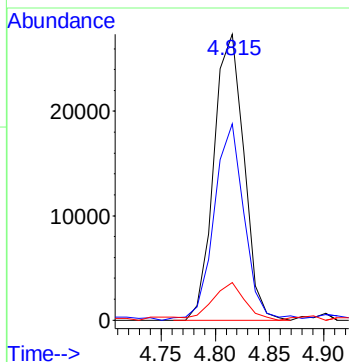
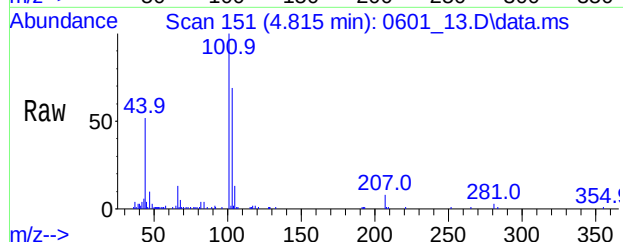
Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.9	23.8	35.8





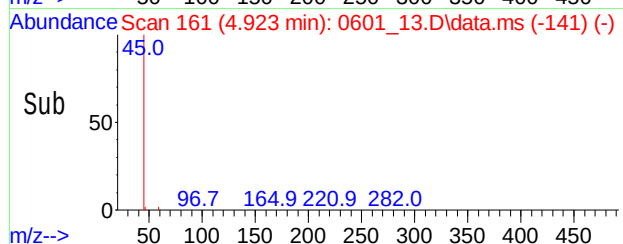
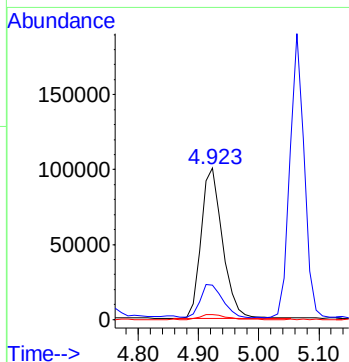
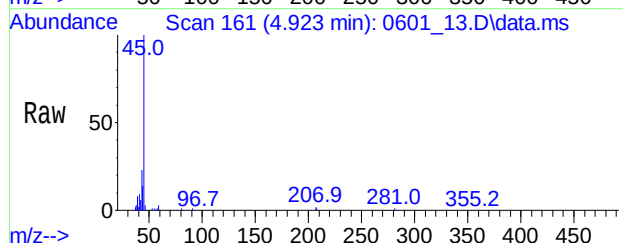
#13
Trichlorofluoromethane
Conc: 8\$ 0.264 ppbv
RT: 4.815 min Scan# 151
Delta R.T. -0.000 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 3:32 pm

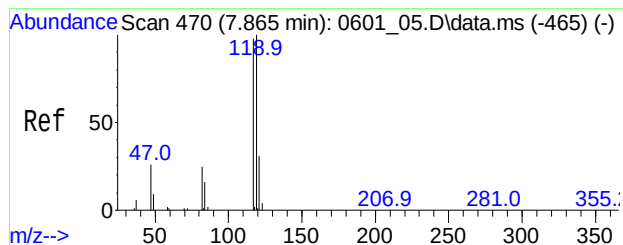
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	52705		
103	69.1	50.9	76.3	
66	15.0	10.0	15.0	



#14
Isopropylalcohol
Conc: 8\$ 2.185 ppbv
RT: 4.923 min Scan# 161
Delta R.T. 0.011 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 3:32 pm

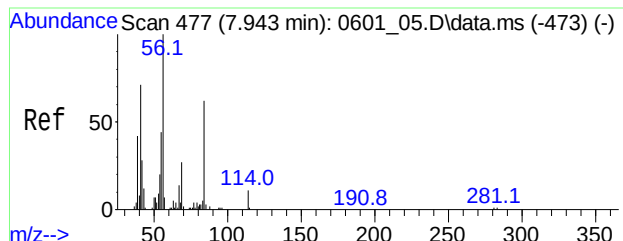
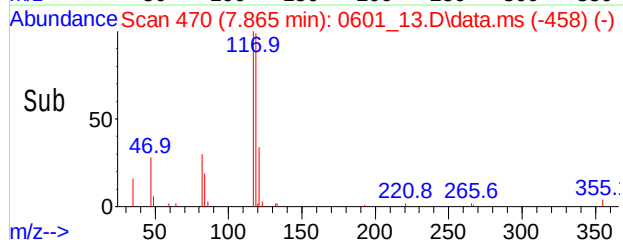
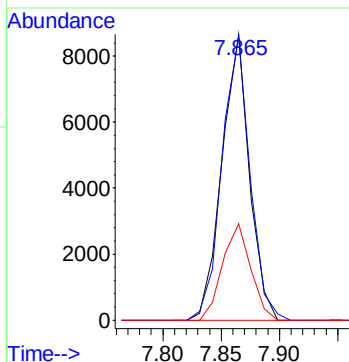
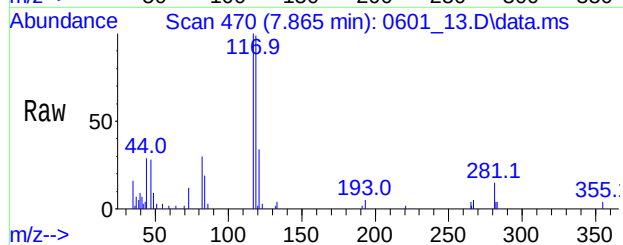
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	250798		
43	23.2	19.9	29.9	
59	4.0	3.6	5.4	





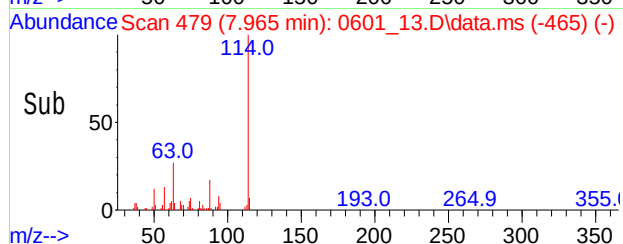
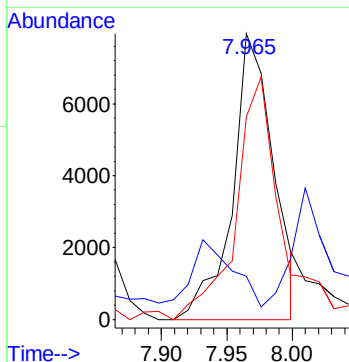
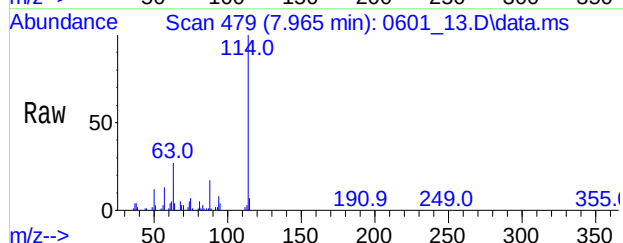
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.865 min Scan# 470
Delta R.T. -0.011 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 3:32 pm

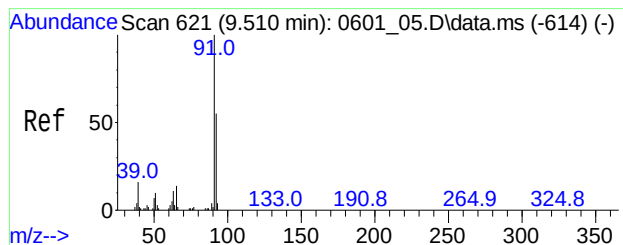
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	14110		
119	101.1	75.6	115.6	
121	34.6	10.3	50.3	



#35
Cyclohexane
Conc: 8\$ 0.329 ppbv
RT: 7.965 min Scan# 479
Delta R.T. 0.011 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 3:32 pm

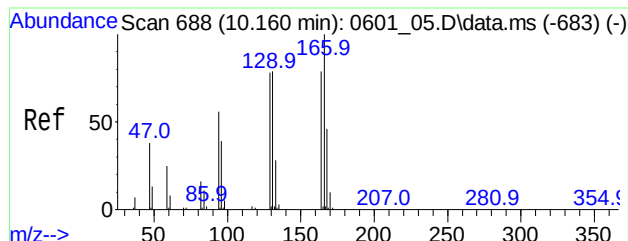
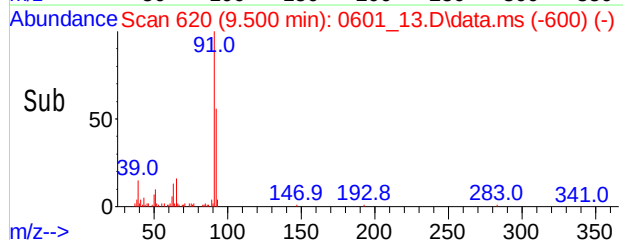
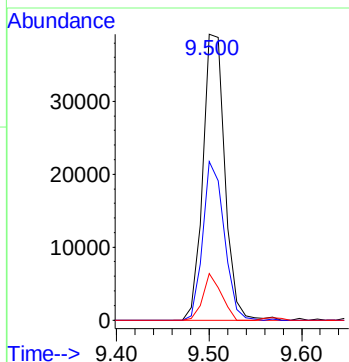
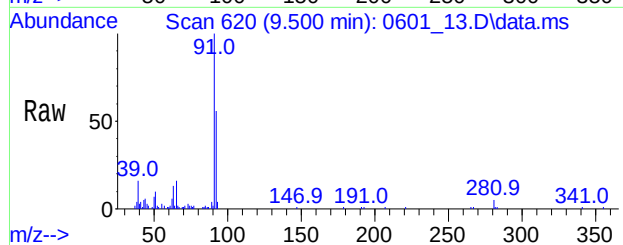
Tgt Ion	Ratio	Resp	Lower	Upper
84	100	17336		
41	23.3	90.3	135.5#	
55	82.6	62.2	93.4	





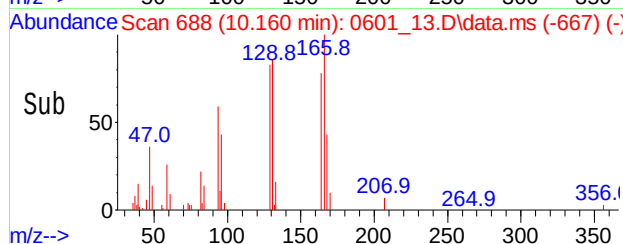
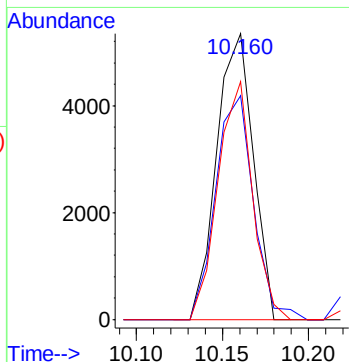
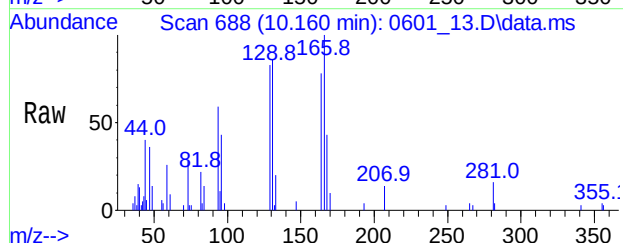
#48
Toluene
Conc: 8\$ 0.320 ppbv
RT: 9.500 min Scan# 620
Delta R.T. -0.010 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 3:32 pm

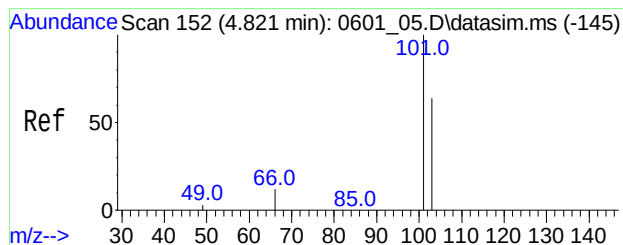
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	63717		
92	54.0	43.6	65.4	
65	13.5	12.2	18.4	



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.160 min Scan# 688
Delta R.T. -0.000 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 3:32 pm

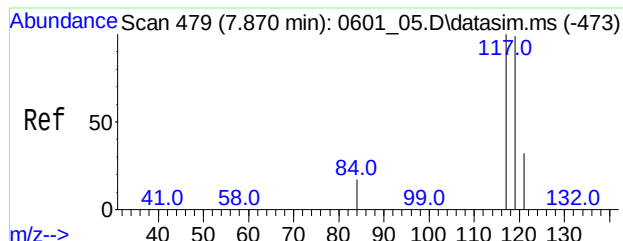
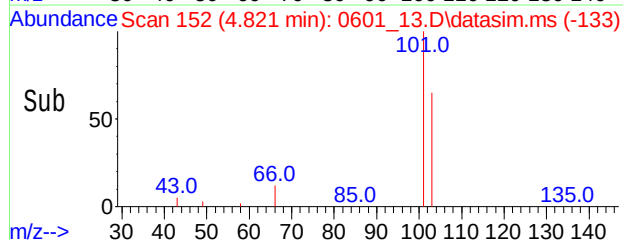
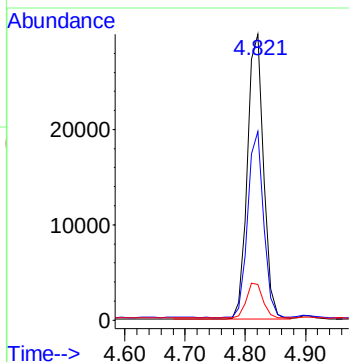
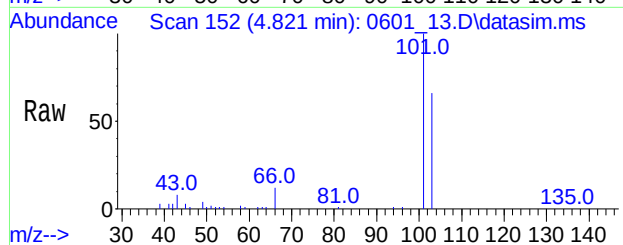
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	7870		
164	81.1	63.3	94.9	
129	78.8	61.2	91.8	





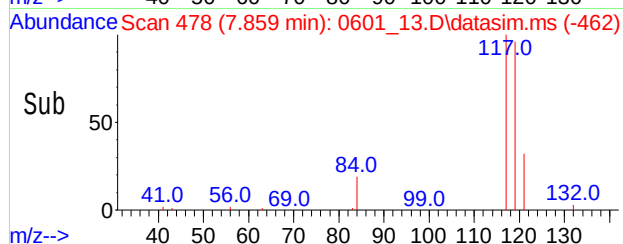
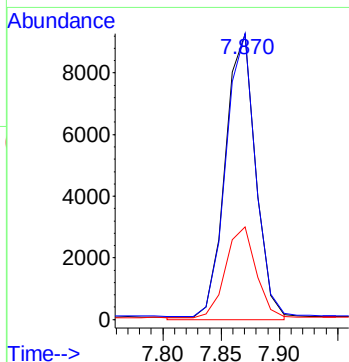
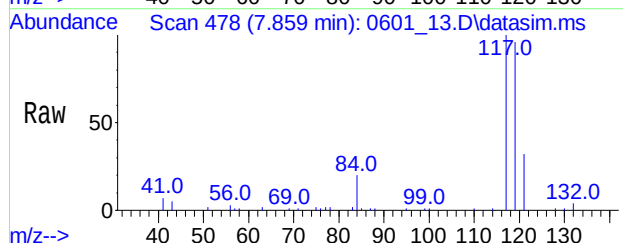
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.253 ppbv
RT: 4.821 min Scan# 152
Delta R.T. -0.000 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 3:32 pm

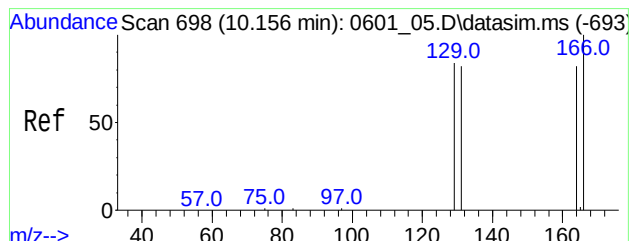
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	56657		
103	64.0	51.2	76.8	
66	12.5	12.8	12.8#	



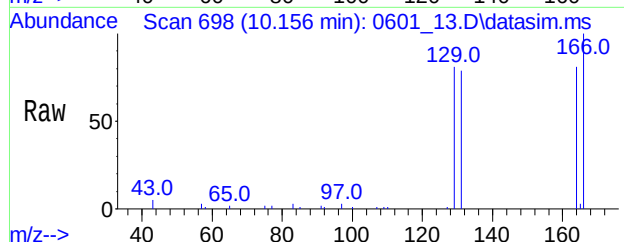
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.083 ppbv
RT: 7.865 min Scan# 478
Delta R.T. -0.011 min
Lab File: 0601_13.D
Acq: 1 Jun 2020 3:32 pm

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	14110		
119	101.1	76.5	114.7	
121	34.6	24.2	36.4	

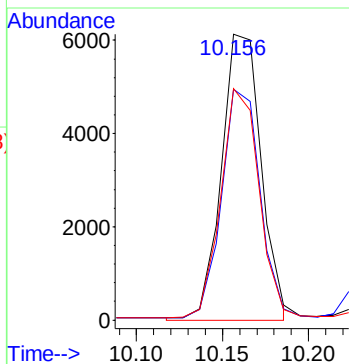
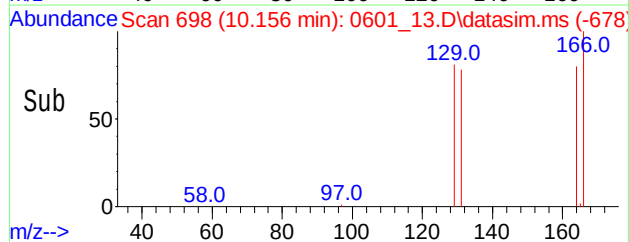




#103
 Tetrachloroethene(sim)
 Conc: 8\$ 0.063 ppbv
 RT: 10.160 min Scan# 698
 Delta R.T. -0.000 min
 Lab File: 0601_13.D
 Acq: 1 Jun 2020 3:32 pm



Tgt Ion:	166	Resp:	7870
Ion Ratio		Lower	Upper
166	100		
164	81.1	59.1	99.1
129	78.8	56.6	96.6



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03905</u>
Canister:	<u>28557</u>	Lab File ID:	<u>0601_14.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>06/01/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.716		0.202	0.202	r
74-87-3	Chloromethane	0.706		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	28.0	S	0.531	0.531	r
67-64-1	Acetone	7.66	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.266		0.178	0.178	r
67-63-0	Isopropylalcohol	2.24	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	1.66		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	1.71		0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.399		0.291	0.291	r
142-82-5	Heptane	0.294		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.976		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	1.34		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.483		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

IA-2

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03905

Canister: 28557 Lab File ID: 0601_14.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.084		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_14.D
 Acq On : 1 Jun 2020 4:13 pm
 Operator :
 Client ID : IA-2
 Lab ID : CG03905
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 02 08:17:51 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

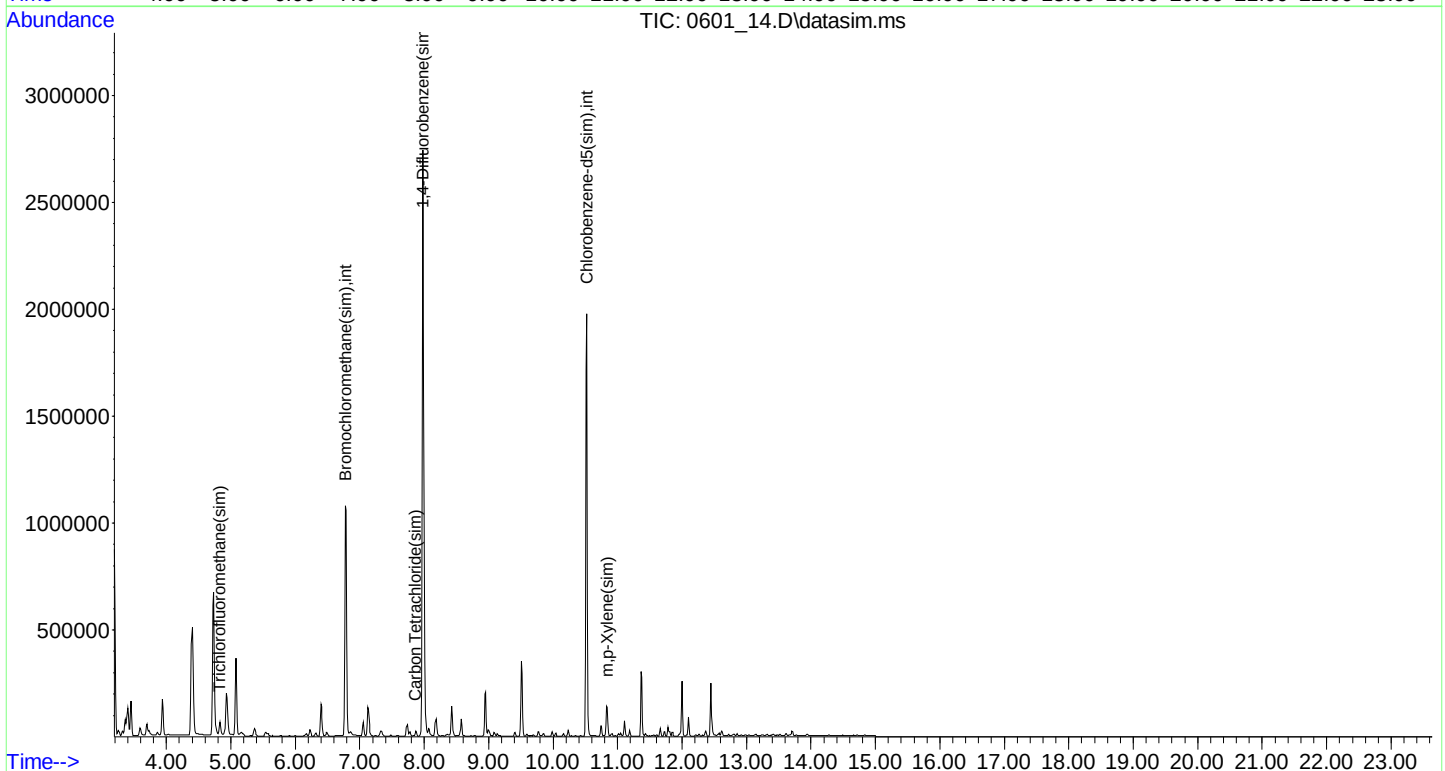
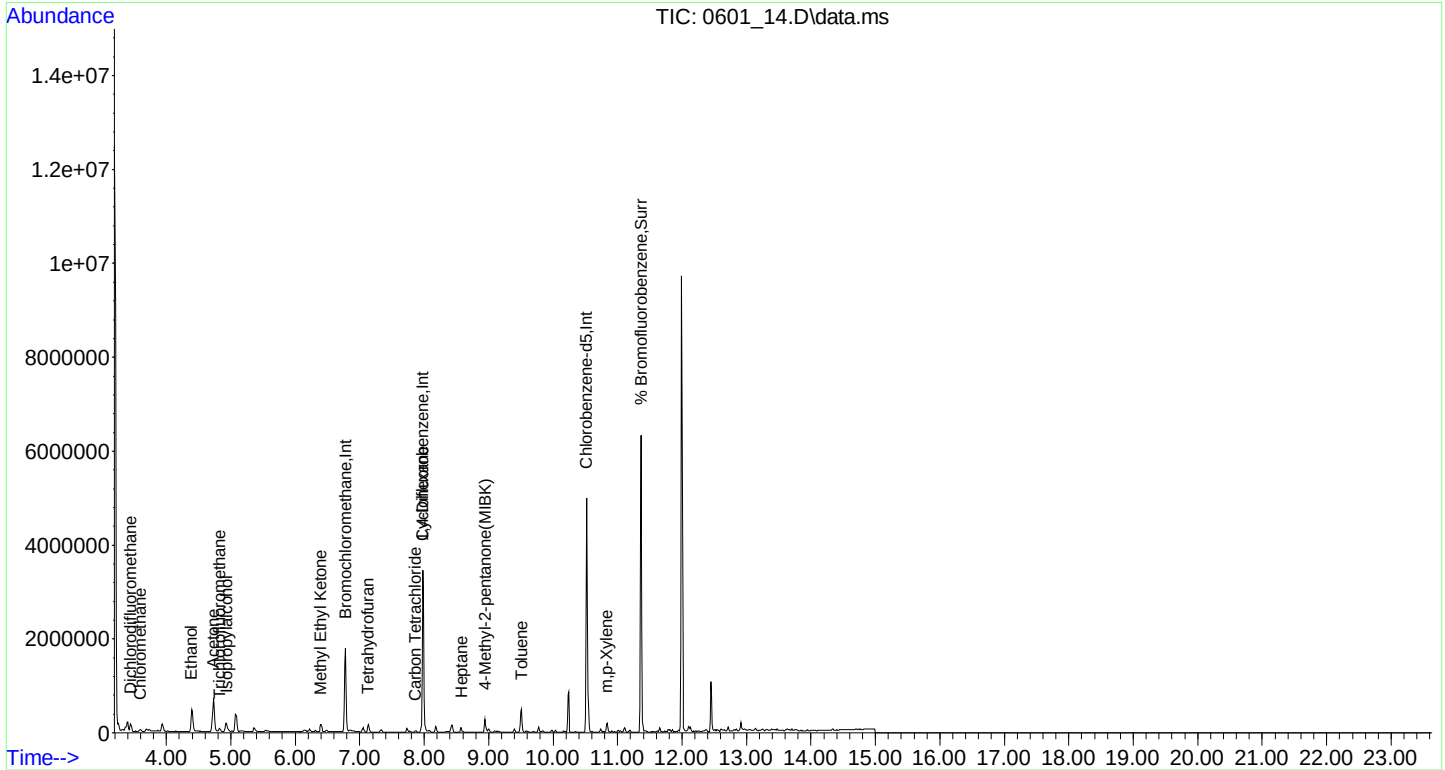
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.780	130	558113	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.976	114	2115411	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1154206	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.785	130	594633	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.982	114	2407544	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1277025	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1590643	9.575	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	95.80%
Target Compounds						
3) Dichlorodifluoromethane	3.447	85	138374	0.716	ppbv	Qvalue 98
4) Chloromethane	3.597	50	41530	0.706	ppbv	99
11) Ethanol	4.395	45	610459	27.986	ppbv	98
12) Acetone	4.729	43	790043	7.659	ppbv	92
13) Trichlorofluoromethane	4.826	101	52821	0.266	ppbv	99
14) Isopropylalcohol	4.934	45	255061	2.235	ppbv	99
25) Methyl Ethyl Ketone	6.400	43	181937	1.656	ppbv	98
30) Tetrahydrofuran	7.134	42	88700	1.713	ppbv	98
34) Carbon Tetrachloride	7.865	117	14216	0.086	ppbv	89
35) Cyclohexane	7.976	84	20889	0.399	ppbv#	58
43) Heptane	8.578	43	35408	0.294	ppbv#	93
45) 4-Methyl-2-pentanone(M...)	8.945	43	166674	0.976	ppbv#	86
48) Toluene	9.510	91	260267	1.335	ppbv	100
52) Tetrachloroethene	10.160	166	4385	0.037	ppbv	91
57) m,p-Xylene	10.836	91	96463	0.483	ppbv	92
84) Trichlorofluoromethane...	4.832	101	56775	0.258	ppbv#	99
87) Carbon Tetrachloride(sim)	7.865	117	14216	0.084	ppbv	89
103) Tetrachloroethene(sim)	10.160	166	4385	0.036	ppbv	92
106) m,p-Xylene(sim)	10.841	91	111022	0.551	ppbv	97

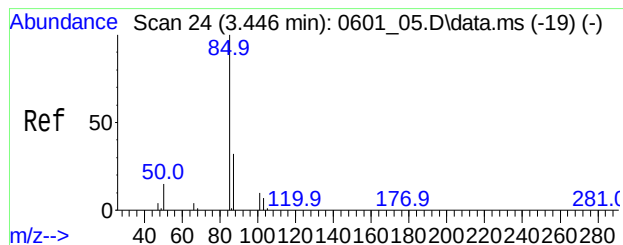
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_14.D
 Acq On : 1 Jun 2020 4:13 pm
 Operator :
 Client ID : IA-2
 Lab ID : CG03905
 ALS Vial : 11 Sample Multiplier: 1

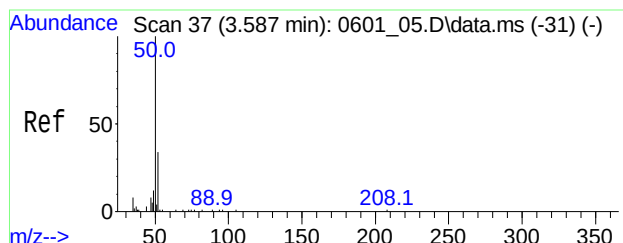
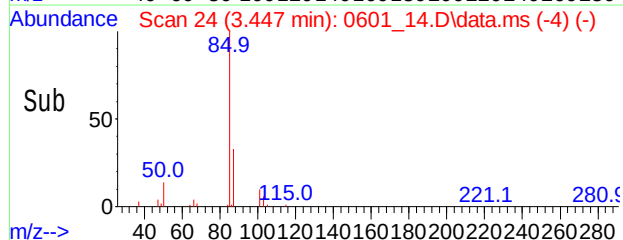
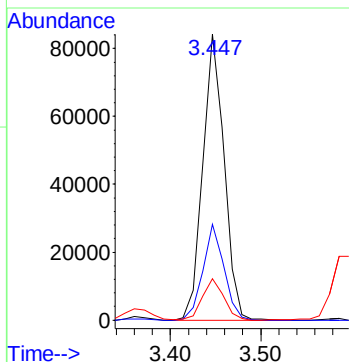
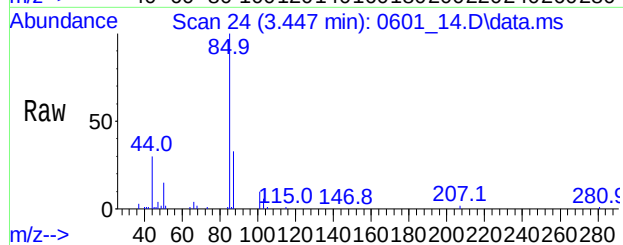
Quant Time: Jun 02 08:17:51 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration





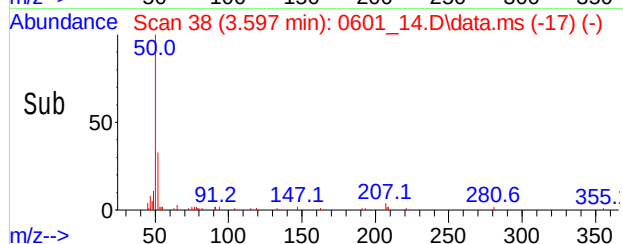
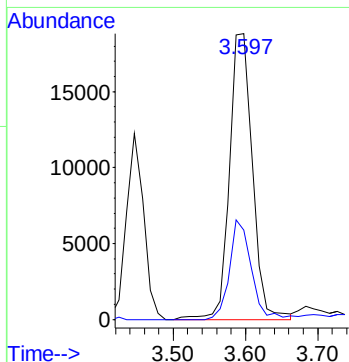
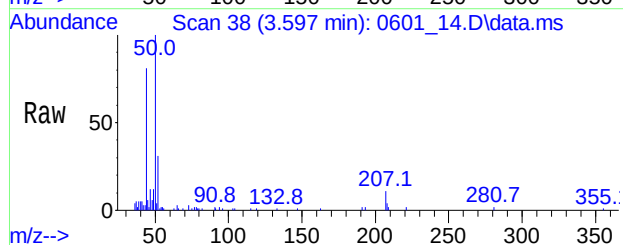
#3
 Dichlorodifluoromethane
 Conc: 8\$ 0.716 ppbv
 RT: 3.447 min Scan# 24
 Delta R.T. 0.011 min
 Lab File: 0601_14.D
 Acq: 1 Jun 2020 4:13 pm

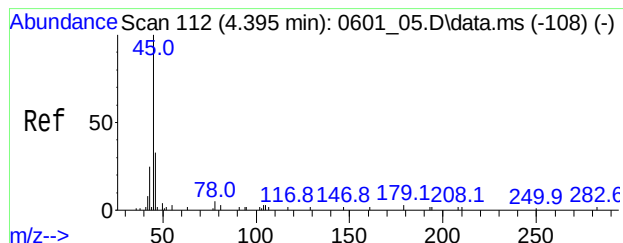
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	138374		
87	33.1	25.7	38.5	
50	14.6	11.0	16.6	



#4
 Chloromethane
 Conc: 8\$ 0.706 ppbv
 RT: 3.597 min Scan# 38
 Delta R.T. 0.021 min
 Lab File: 0601_14.D
 Acq: 1 Jun 2020 4:13 pm

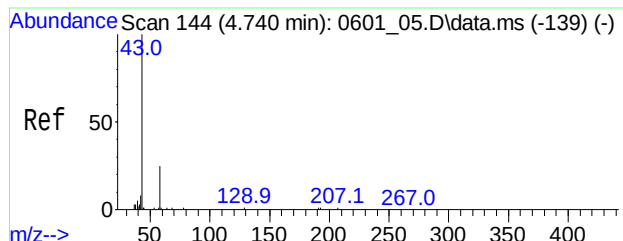
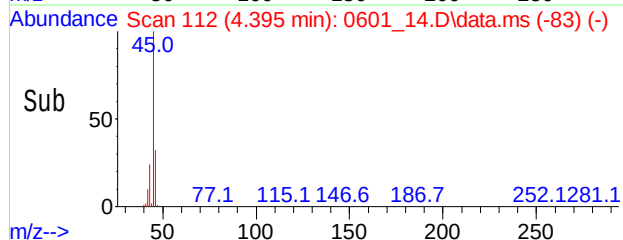
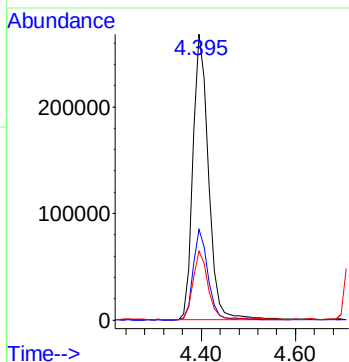
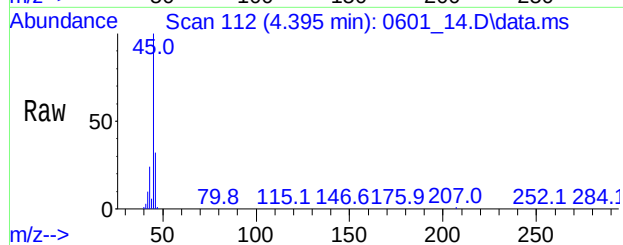
Tgt Ion	Ratio	Resp	Lower	Upper
50	100	41530		
52	33.2	14.0	54.0	





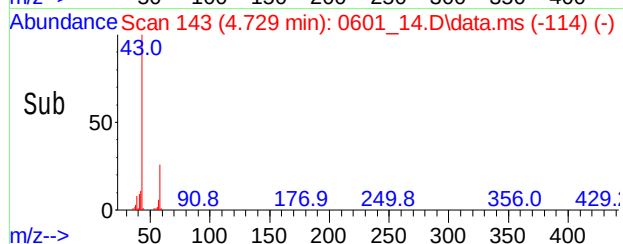
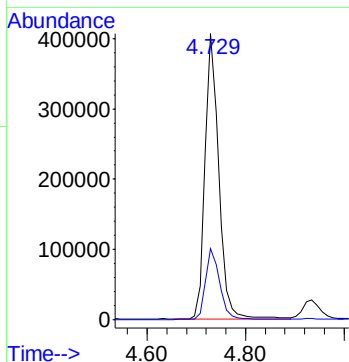
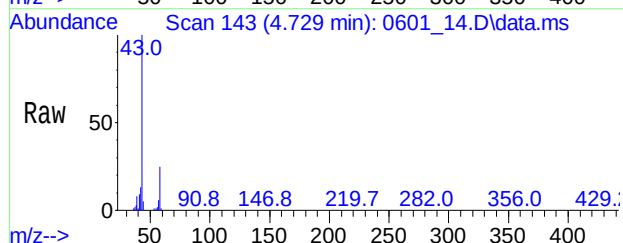
#11
Ethanol
Conc: 8\$ 27.986 ppbv
RT: 4.395 min Scan# 112
Delta R.T. 0.011 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

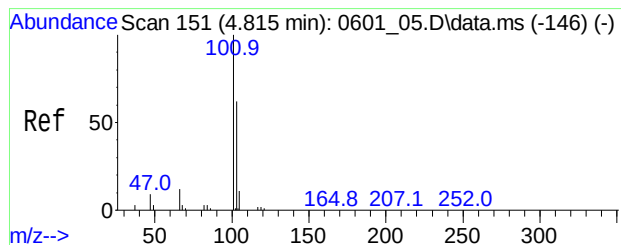
Tgt Ion	Ratio	Lower	Upper
45	100		
46	30.0	24.6	37.0
43	22.9	19.3	28.9



#12
Acetone
Conc: 8\$ 7.659 ppbv
RT: 4.729 min Scan# 143
Delta R.T. 0.011 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

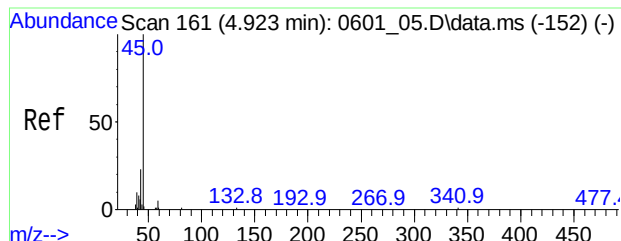
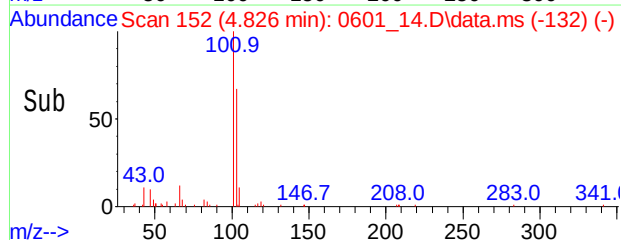
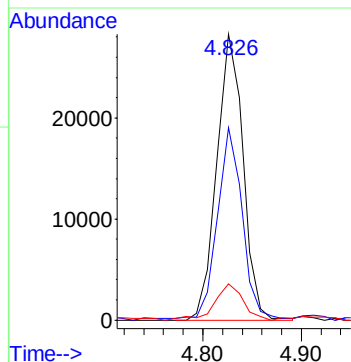
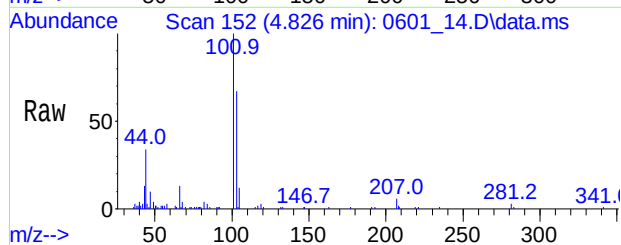
Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.6	23.8	35.8





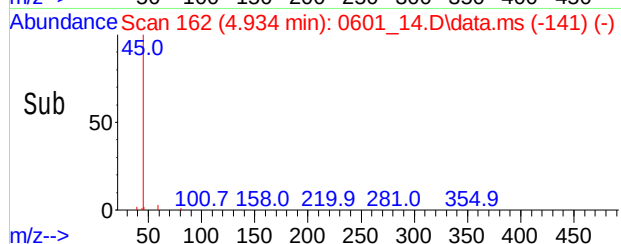
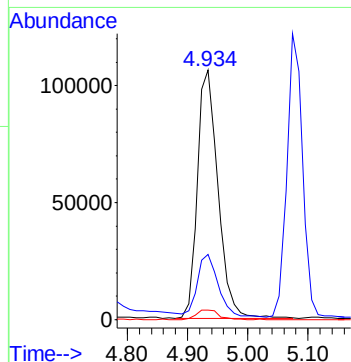
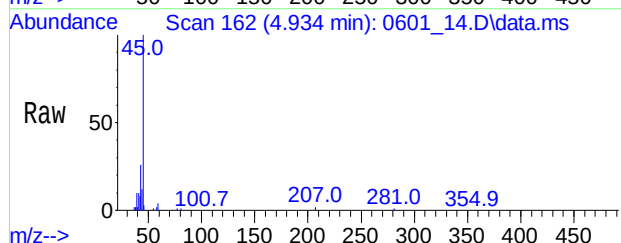
#13
Trichlorofluoromethane
Conc: 8\$ 0.266 ppbv
RT: 4.826 min Scan# 152
Delta R.T. 0.011 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

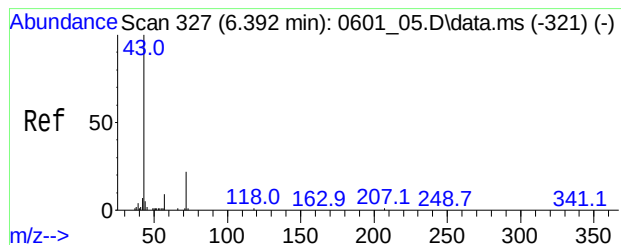
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	52821		
103	64.6	50.9	76.3	
66	13.6	10.0	15.0	



#14
Isopropyl alcohol
Conc: 8\$ 2.235 ppbv
RT: 4.934 min Scan# 162
Delta R.T. 0.021 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

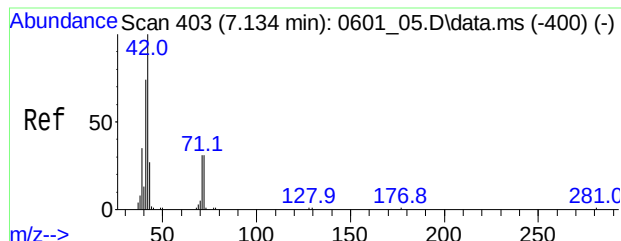
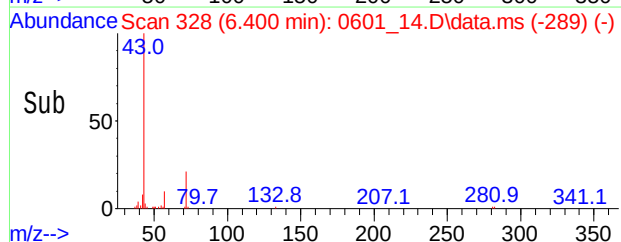
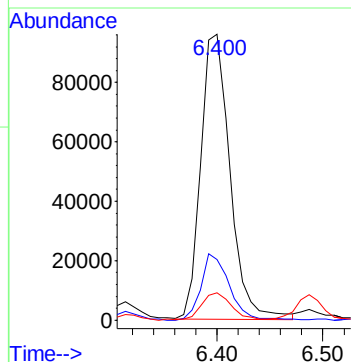
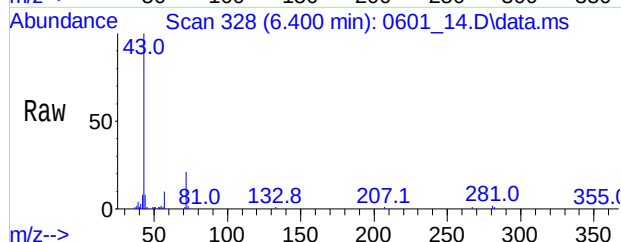
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	255061		
43	25.5	19.9	29.9	
59	4.0	3.6	5.4	





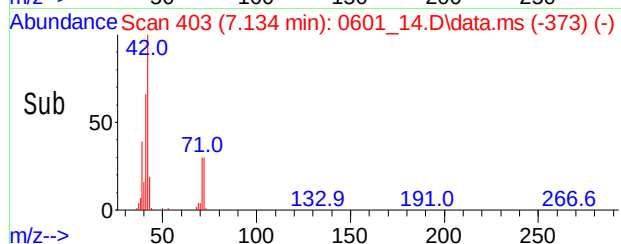
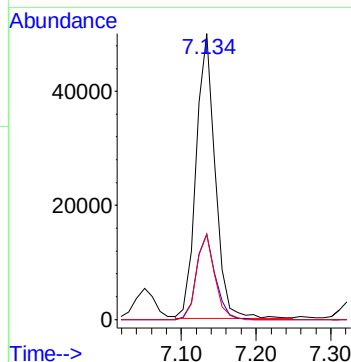
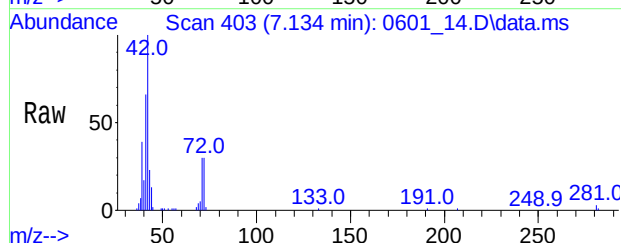
#25
Methyl Ethyl Ketone
Conc: 8\$ 1.656 ppbv
RT: 6.400 min Scan# 328
Delta R.T. 0.008 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

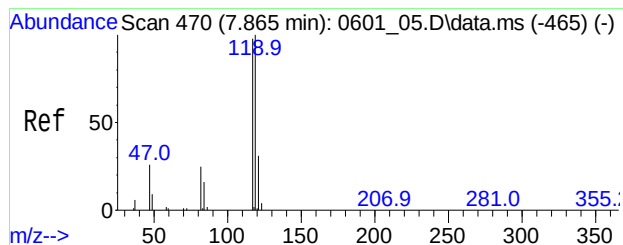
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	181937		
72	22.4	19.0	28.4	
57	10.0	8.6	12.8	



#30
Tetrahydrofuran
Conc: 8\$ 1.713 ppbv
RT: 7.134 min Scan# 403
Delta R.T. 0.010 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

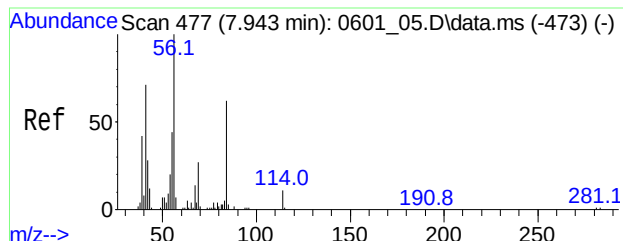
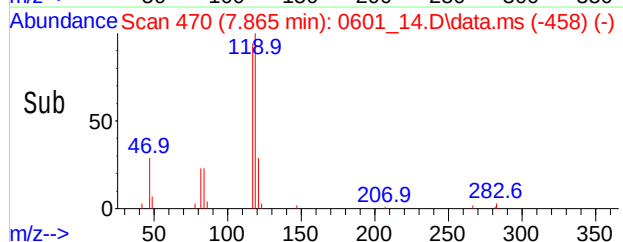
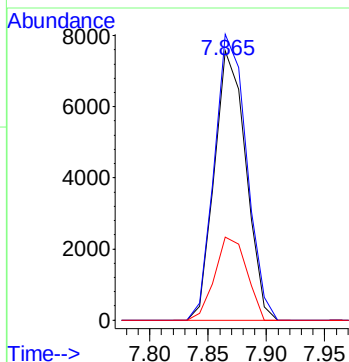
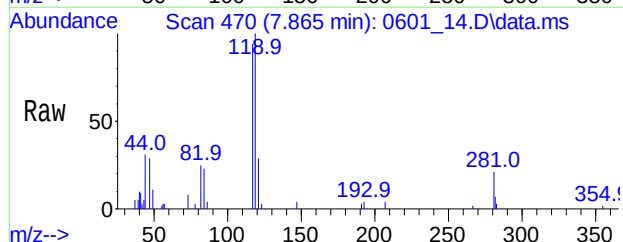
Tgt Ion	Ratio	Resp	Lower	Upper
42	100	88700		
71	29.7	25.0	37.6	
72	28.7	23.8	35.6	





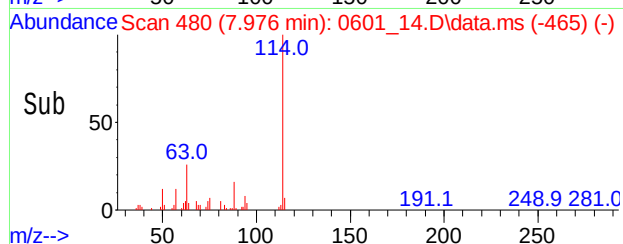
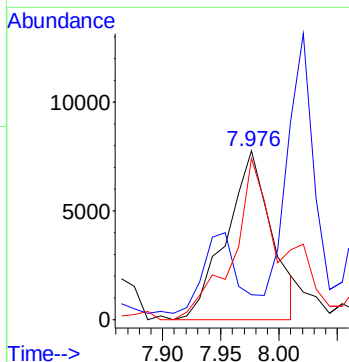
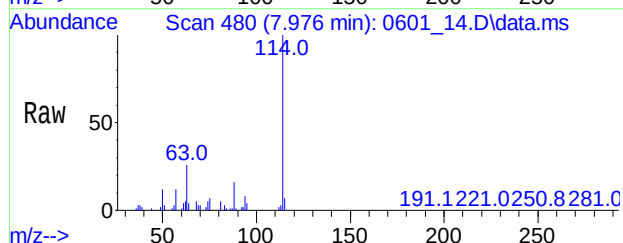
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.865 min Scan# 470
Delta R.T. -0.011 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

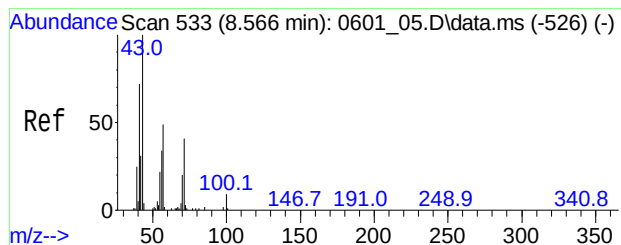
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	14216		
119	108.7	75.6	115.6	
121	31.2	10.3	50.3	



#35
Cyclohexane
Conc: 8\$ 0.399 ppbv
RT: 7.976 min Scan# 480
Delta R.T. 0.022 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

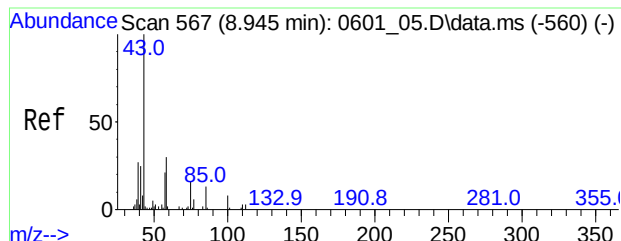
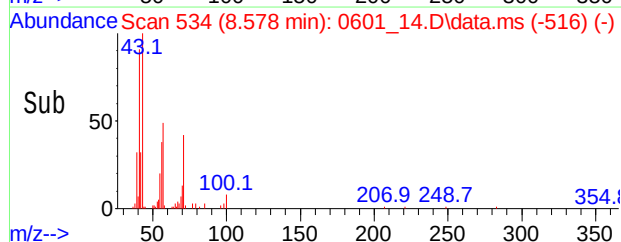
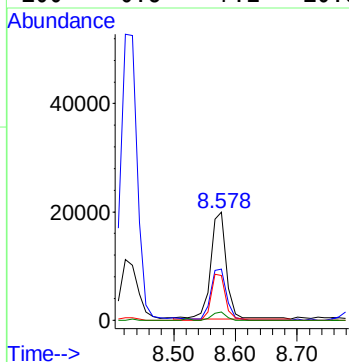
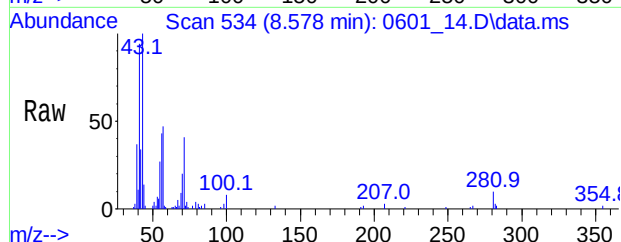
Tgt Ion	Ratio	Resp	Lower	Upper
84	100	20889		
41	37.9	90.3	135.5#	
55	77.3	62.2	93.4	





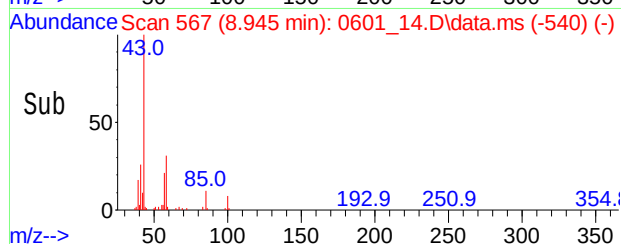
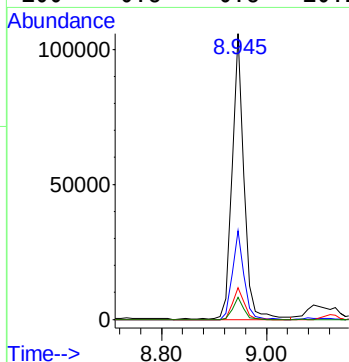
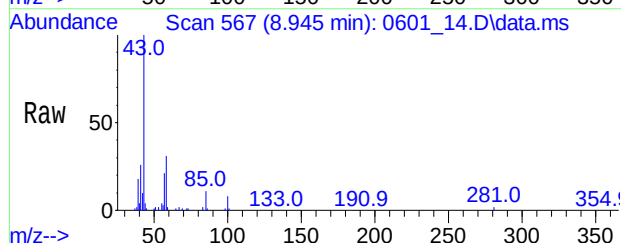
#43
Heptane
Conc: 8\$ 0.294 ppbv
RT: 8.578 min Scan# 534
Delta R.T. -0.000 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

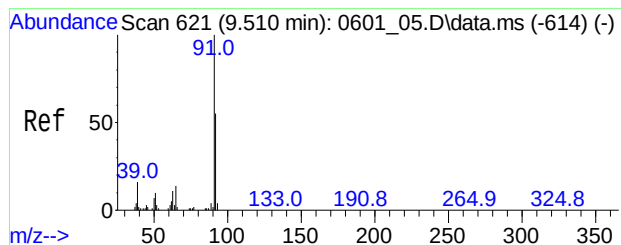
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	35408		
57	47.7	43.7	65.5	
71	38.9	32.4	48.6	
100	6.5	7.2	10.8	#



#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 0.976 ppbv
RT: 8.945 min Scan# 567
Delta R.T. -0.000 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

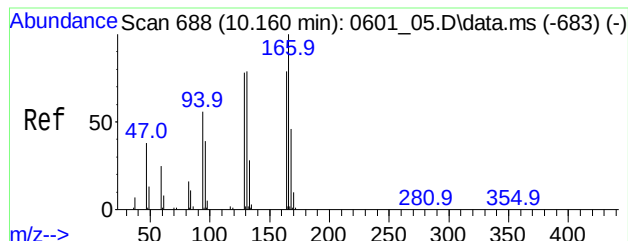
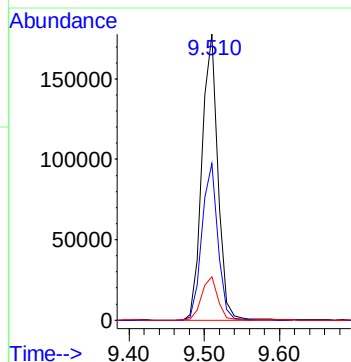
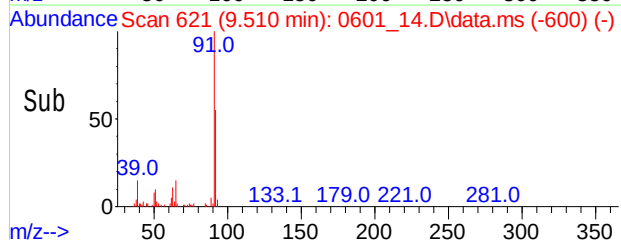
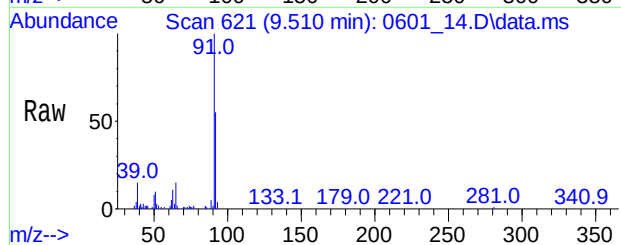
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	166674		
58	30.1	32.2	48.2	#
85	10.8	13.3	19.9	#
100	6.8	6.8	10.2	





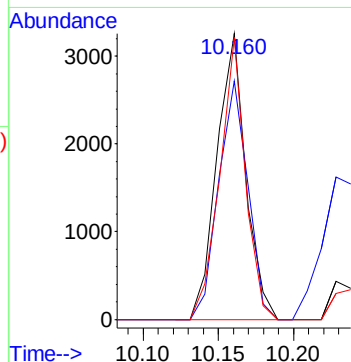
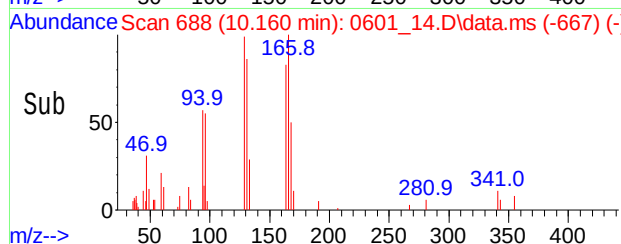
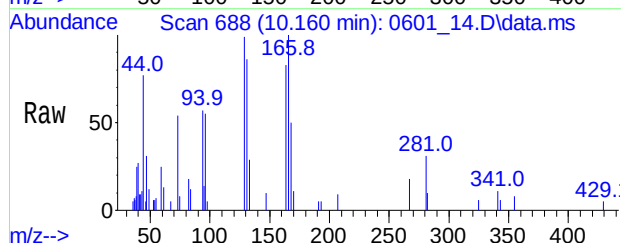
#48
Toluene
Conc: 8\$ 1.335 ppbv
RT: 9.510 min Scan# 621
Delta R.T. -0.000 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

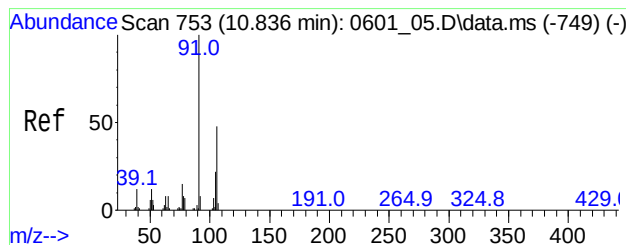
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	260267		
92	54.7	43.6	65.4	
65	15.2	12.2	18.4	



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.160 min Scan# 688
Delta R.T. -0.000 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

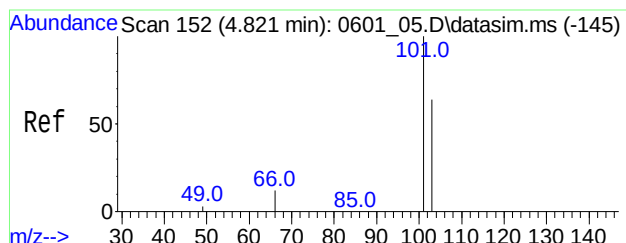
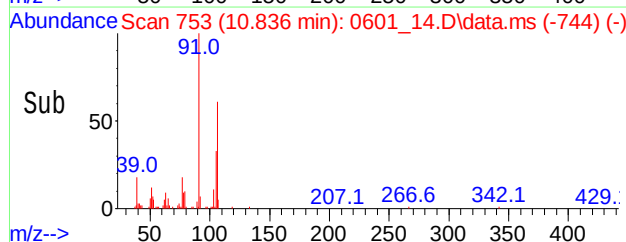
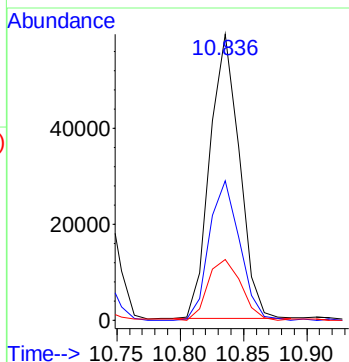
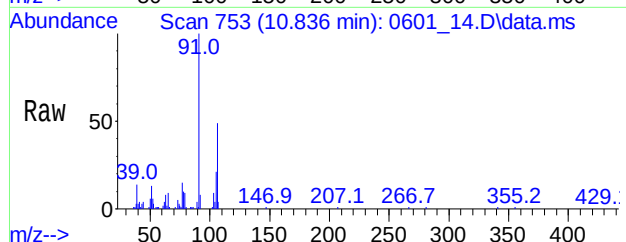
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	4385		
164	84.4	63.3	94.9	
129	87.3	61.2	91.8	





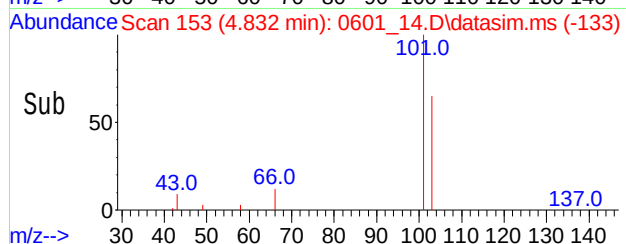
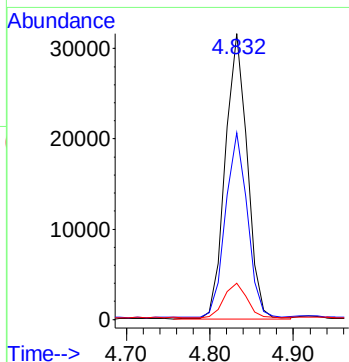
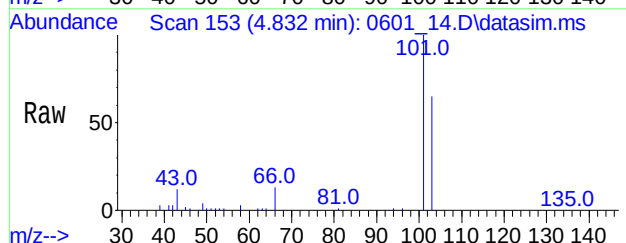
#57
m,p-Xylene
Conc: 8\$ 0.483 ppbv
RT: 10.836 min Scan# 753
Delta R.T. -0.010 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

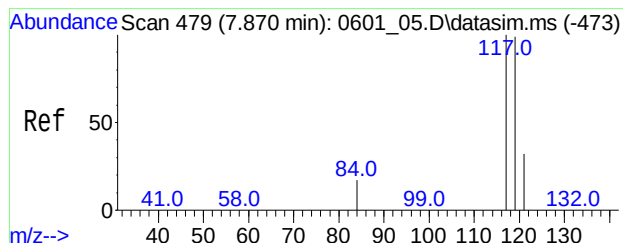
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	96463		
106	50.6	35.6	53.4	
105	23.8	17.1	25.7	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.258 ppbv
RT: 4.832 min Scan# 153
Delta R.T. 0.011 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

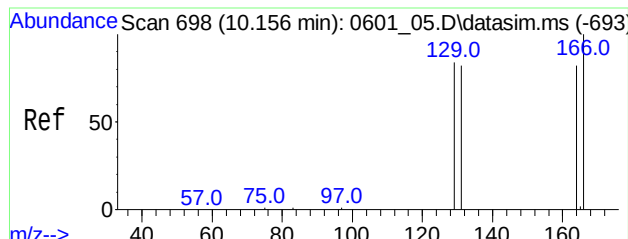
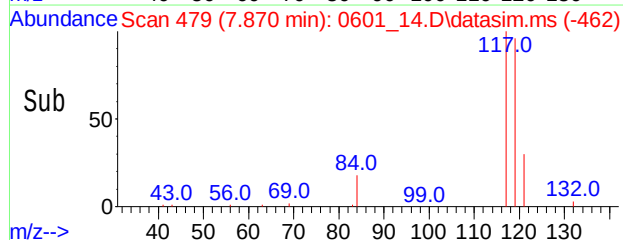
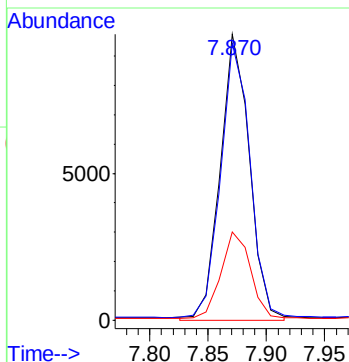
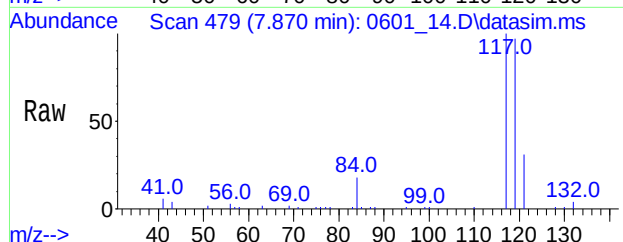
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	56775		
103	64.6	51.2	76.8	
66	12.7	12.8	12.8#	





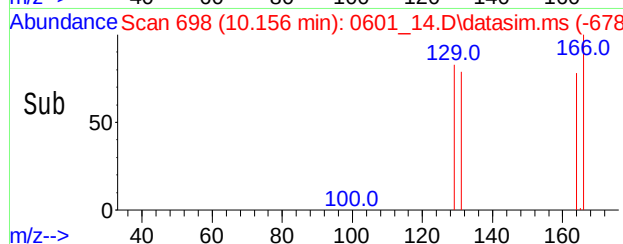
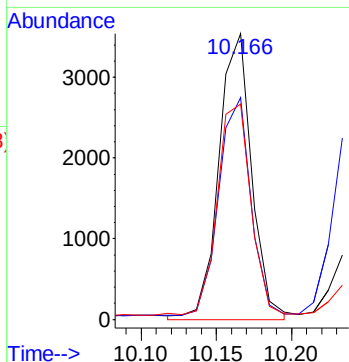
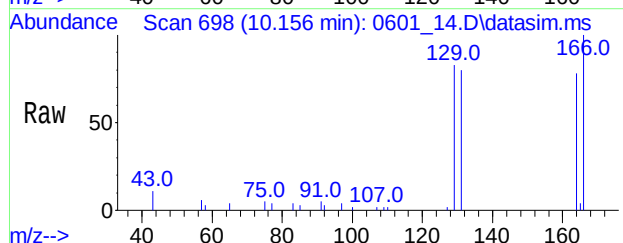
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.084 ppbv
RT: 7.865 min Scan# 479
Delta R.T. -0.011 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

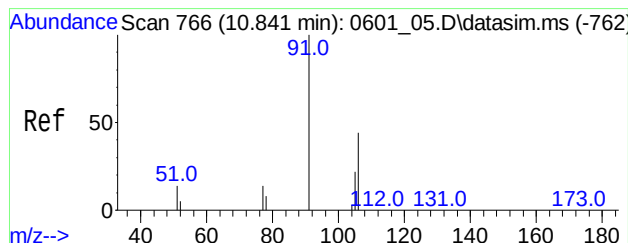
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	14216		
119	108.7	76.5	114.7	
121	31.2	24.2	36.4	



#103
Tetrachloroethene(sim)
Conc: 8\$ 0.036 ppbv
RT: 10.160 min Scan# 698
Delta R.T. -0.000 min
Lab File: 0601_14.D
Acq: 1 Jun 2020 4:13 pm

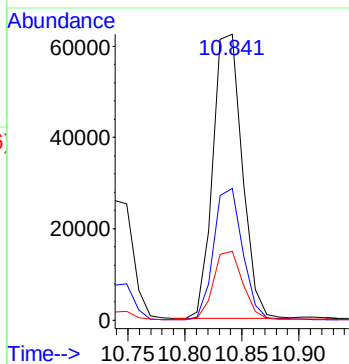
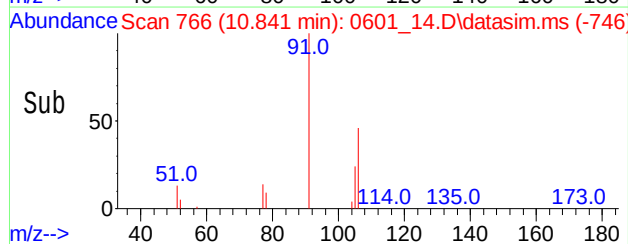
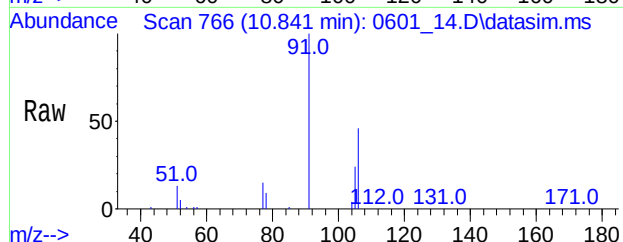
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	4385		
164	82.0	59.1	99.1	
129	87.3	56.6	96.6	





#106
 m,p-Xylene(sim)
 Conc: 8\$ 0.551 ppbv
 RT: 10.841 min Scan# 766
 Delta R.T. -0.000 min
 Lab File: 0601_14.D
 Acq: 1 Jun 2020 4:13 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	111022		
106	45.8	40.1	49.0	
105	24.4	17.3	25.9	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

IA-6

SDG No.: GCG03886

Lab Sample ID: CG03906

Canister: 12871

Lab File ID: 0601_15.D

Instrument: CHEM20 Column: RTX-1 60M

Date Received: 06/01/20

Purge Volume 200 (cc)

Date Analyzed: 06/01/20

Matrix: AIR

Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.759		0.202	0.202	r
74-87-3	Chloromethane	0.743		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	121	ES	0.531	0.531	r
67-64-1	Acetone	36.6	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.283		0.178	0.178	r
67-63-0	Isopropylalcohol	8.99	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	1.23		0.339	0.339	r
110-54-3	Hexane	1.77	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.755		0.313	0.313	r
110-82-7	Cyclohexane	1.04		0.291	0.291	r
79-01-6	Trichloroethene	0.898		0.037	0.037	r
142-82-5	Heptane	2.44		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.813		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	6.19		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
127-18-4	Tetrachloroethene	0.698		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	2.97		0.230	0.230	r
179601-23-1	m,p-Xylene	3.66		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	1.03		0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.364		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.335		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	1.40		0.204	0.204	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CG03906
Canister:	12871	Lab File ID:	0601_15.D
Instrument:	CHEM20	Column:	RTX-1 60M
Purge Volume	200	(cc)	06/01/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.092		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_15.D
 Acq On : 1 Jun 2020 4:53 pm
 Operator :
 Client ID : IA-6
 Lab ID : CG03906
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 02 08:19:19 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

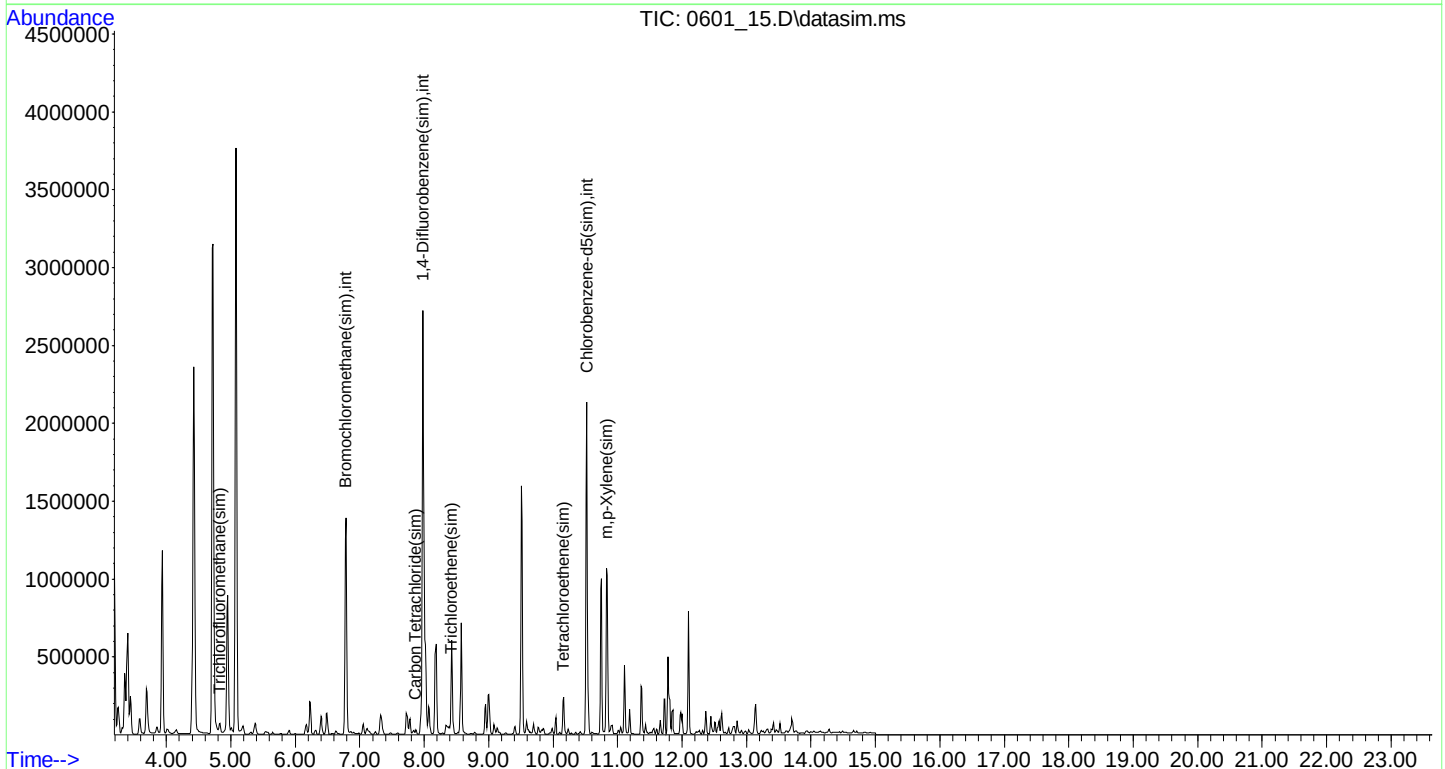
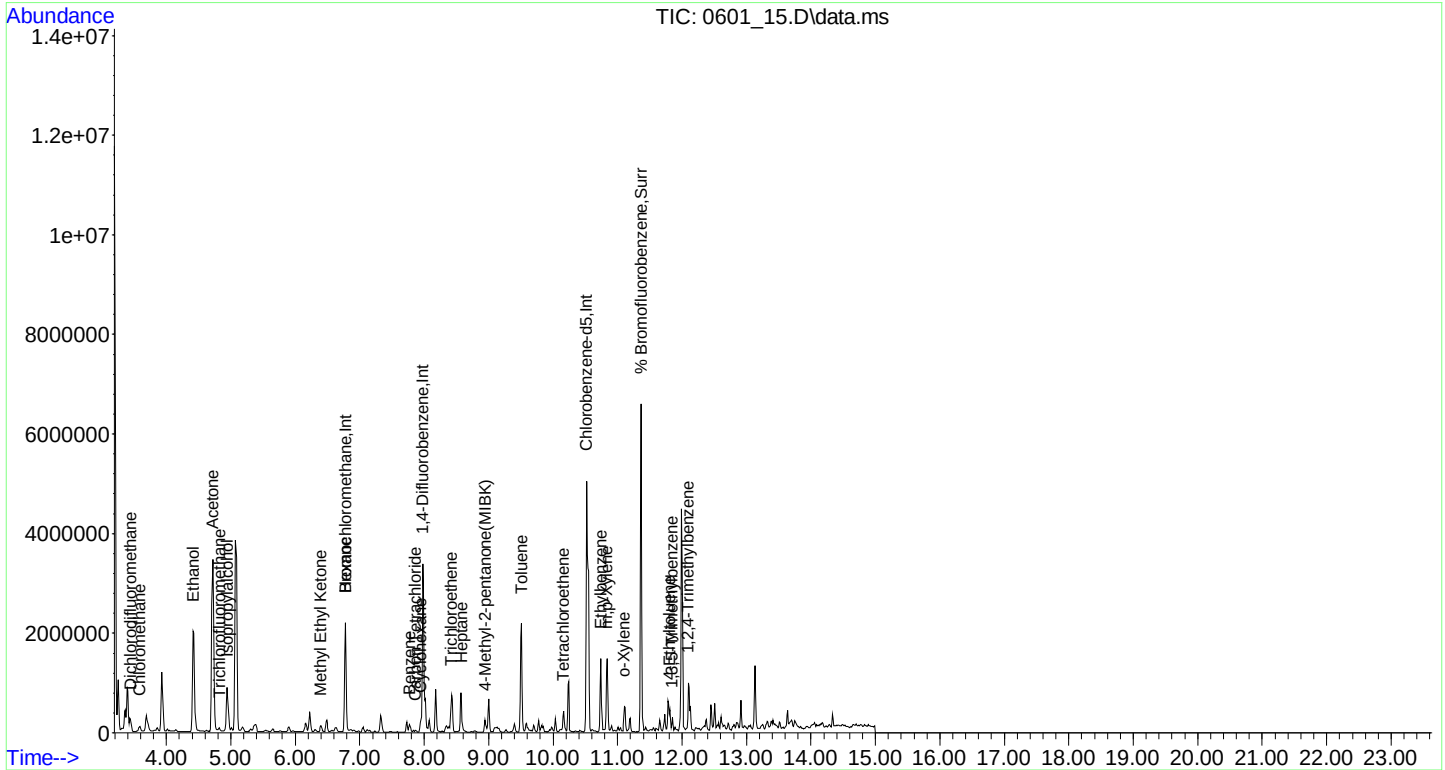
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.780	130	566819	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.976	114	2125465	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1186287	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.785	130	603156	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.982	114	2436756	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1301730	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1652480	9.678	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.80%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.447	85	148890	0.759	ppbv	98
4) Chloromethane	3.587	50	44389	0.743	ppbv	99
11) Ethanol	4.417	45	2675275	120.762	ppbv	99
12) Acetone	4.718	43	3837471	36.630	ppbv	91
13) Trichlorofluoromethane	4.826	101	57104	0.283	ppbv	97
14) Isopropylalcohol	4.945	45	1041707	8.987	ppbv	97
25) Methyl Ethyl Ketone	6.400	43	137041	1.229	ppbv	98
27) Hexane	6.780	57	159610	1.773	ppbv	93
33) Benzene	7.776	78	96503	0.755	ppbv	94
34) Carbon Tetrachloride	7.865	117	15729	0.093	ppbv	98
35) Cyclohexane	7.943	84	55380	1.042	ppbv#	80
39) Trichloroethene	8.422	130	73813	0.898	ppbv	98
43) Heptane	8.578	43	294468	2.437	ppbv	95
45) 4-Methyl-2-pentanone(M...)	8.945	43	139619	0.813	ppbv#	85
48) Toluene	9.510	91	1211136	6.185	ppbv	99
52) Tetrachloroethene	10.160	166	83429	0.698	ppbv	93
56) Ethylbenzene	10.743	91	730327	2.973	ppbv	98
57) m,p-Xylene	10.836	91	751809	3.663	ppbv	97
61) o-Xylene	11.102	91	237187	1.034	ppbv	96
66) 4-Ethyltoluene	11.810	105	116456m	0.364	ppbv	96
67) 1,3,5-Trimethylbenzene	11.851	105	97806	0.335	ppbv	100
68) 1,2,4-Trimethylbenzene	12.097	105	407859	1.400	ppbv#	87
84) Trichlorofluoromethane...	4.832	101	61354	0.274	ppbv#	100
87) Carbon Tetrachloride(sim)	7.865	117	15729	0.092	ppbv	98
97) Trichloroethene(sim)	8.422	130	73813	0.862	ppbv	98
103) Tetrachloroethene(sim)	10.160	166	83429	0.674	ppbv	93
106] m,p-Xylene(sim)	10.831	91	848614	4.133	ppbv	99

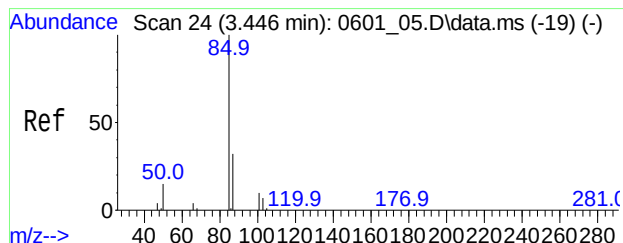
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\01\
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 Acq On : 1 Jun 2020 4:53 pm
 Operator :
 Client ID : IA-6
 Lab ID : CG03906
 ALS Vial : 12 Sample Multiplier: 1

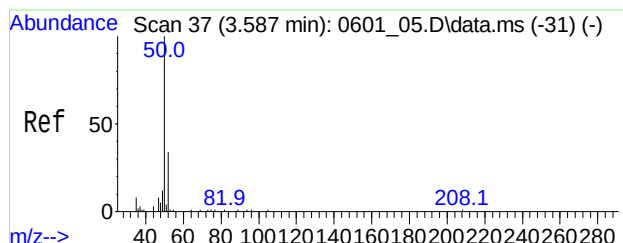
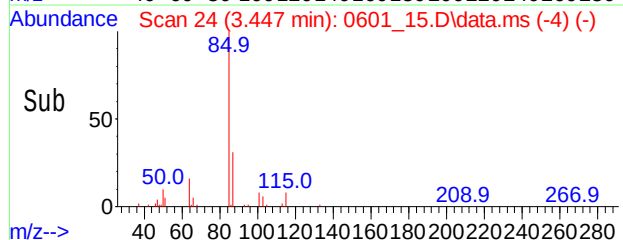
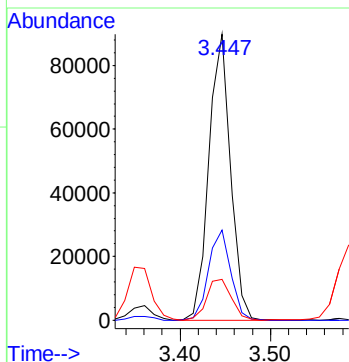
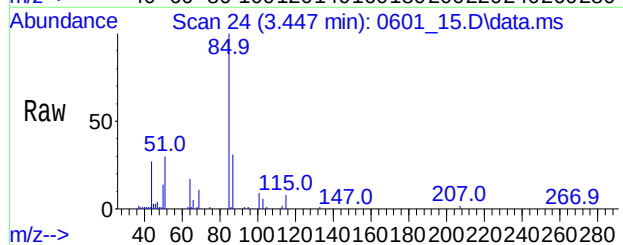
Quant Time: Jun 02 08:19:19 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration





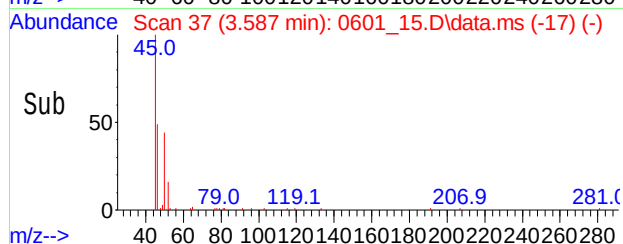
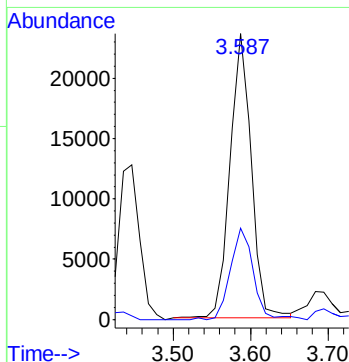
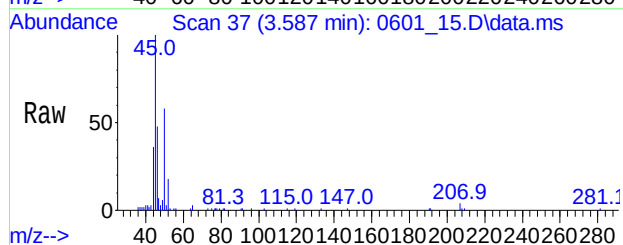
#3
Dichlorodifluoromethane
Conc: 8\$ 0.759 ppbv
RT: 3.447 min Scan# 24
Delta R.T. 0.011 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

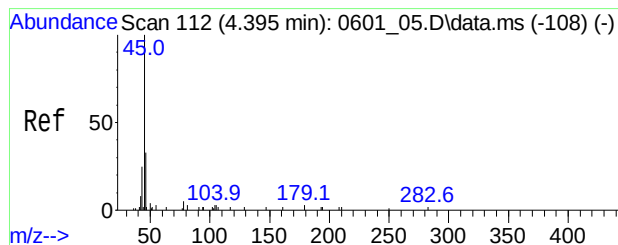
Tgt Ion	85	Resp	148890
Ion Ratio	Lower	Upper	
85	100		
87	32.2	25.7	38.5
50	16.3	11.0	16.6



#4
Chloromethane
Conc: 8\$ 0.743 ppbv
RT: 3.587 min Scan# 37
Delta R.T. 0.011 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

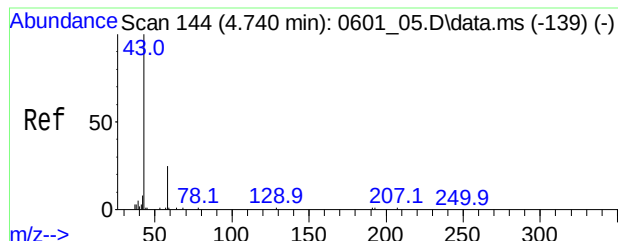
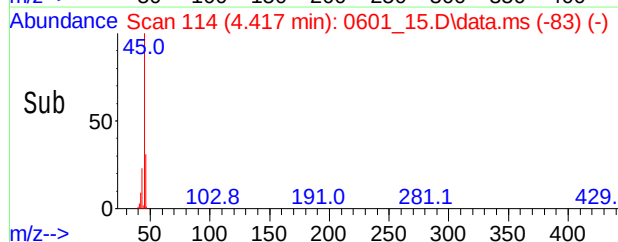
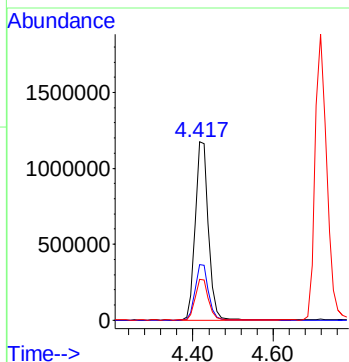
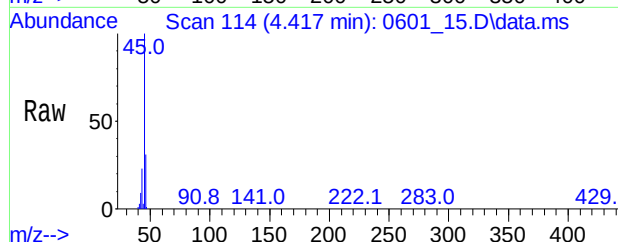
Tgt Ion	50	Resp	44389
Ion Ratio	Lower	Upper	
50	100		
52	34.8	14.0	54.0





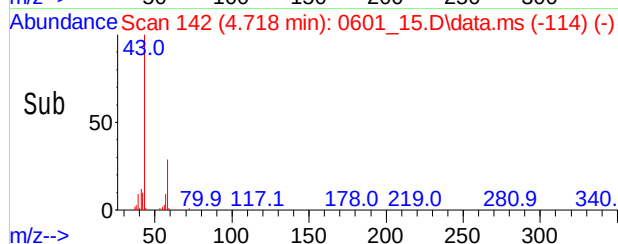
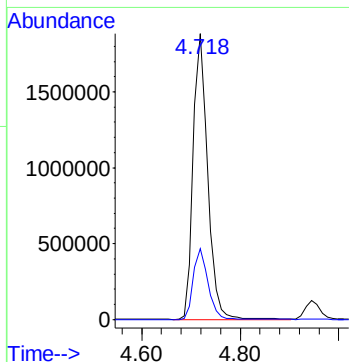
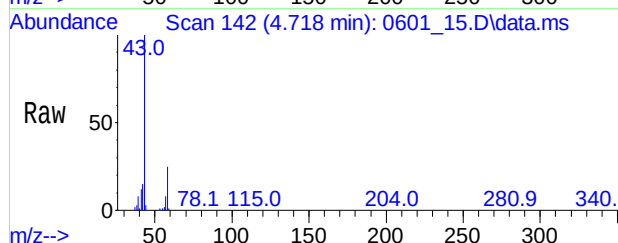
#11
Ethanol
Conc: 8\$ 120.762 ppbv
RT: 4.417 min Scan# 114
Delta R.T. 0.032 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

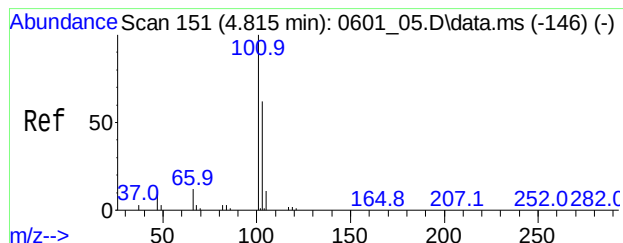
Tgt Ion: 45 Resp: 2675275
Ion Ratio Lower Upper
45 100
46 31.3 24.6 37.0
43 23.0 19.3 28.9



#12
Acetone
Conc: 8\$ 36.630 ppbv
RT: 4.718 min Scan# 142
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

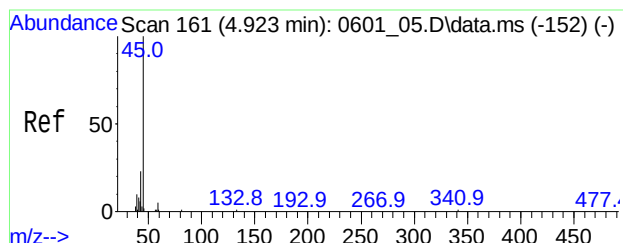
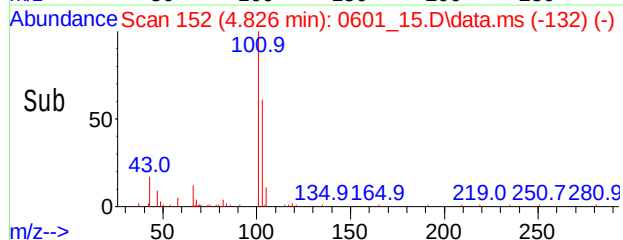
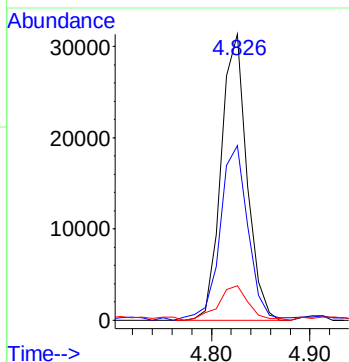
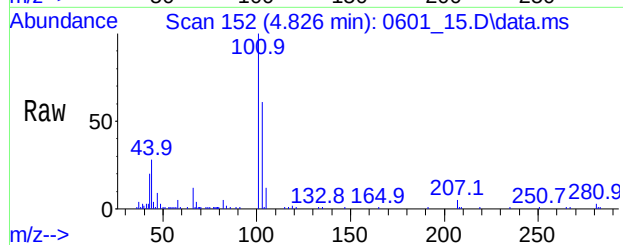
Tgt Ion: 43 Resp: 3837471
Ion Ratio Lower Upper
43 100
58 25.2 23.8 35.8





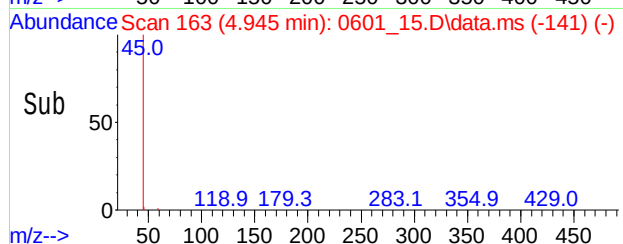
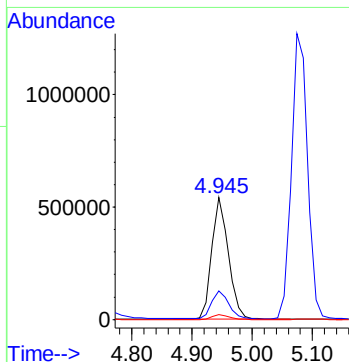
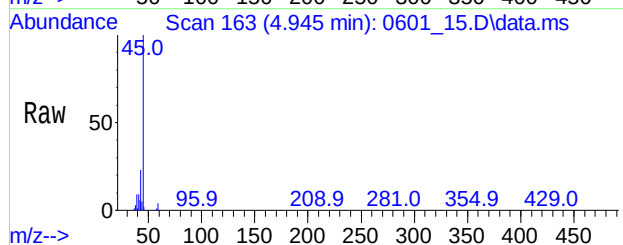
#13
Trichlorofluoromethane
Conc: 8\$ 0.283 ppbv
RT: 4.826 min Scan# 152
Delta R.T. 0.011 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

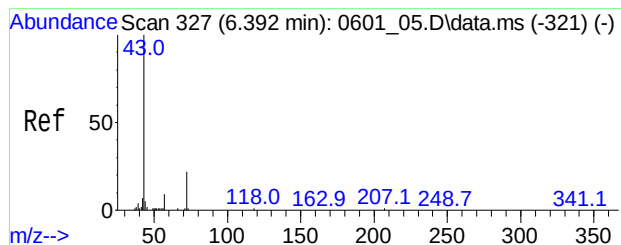
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	57104		
103	66.3	50.9	76.3	
66	13.9	10.0	15.0	



#14
Isopropylalcohol
Conc: 8\$ 8.987 ppbv
RT: 4.945 min Scan# 163
Delta R.T. 0.032 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

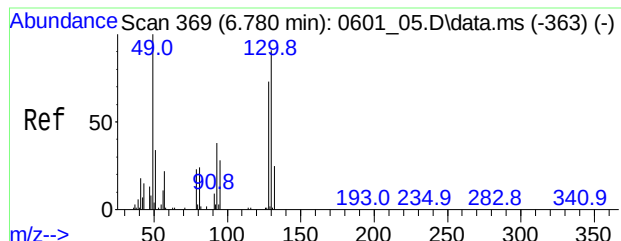
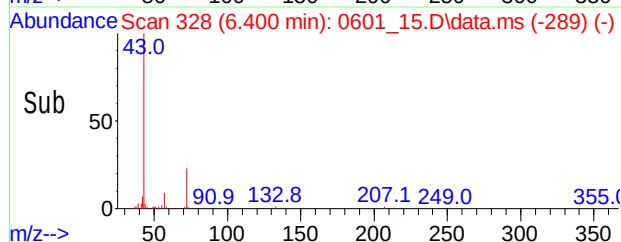
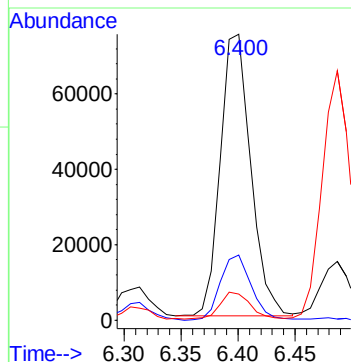
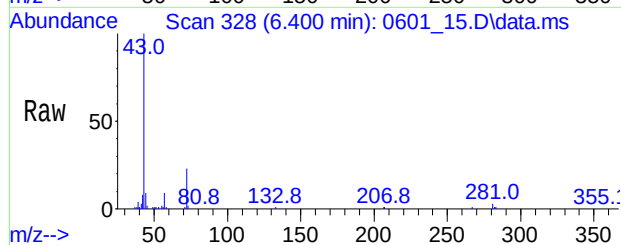
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	1041707		
43	23.5	19.9	29.9	
59	3.9	3.6	5.4	





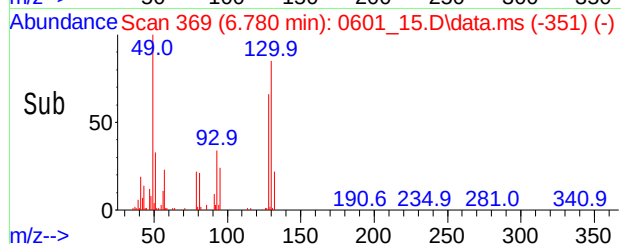
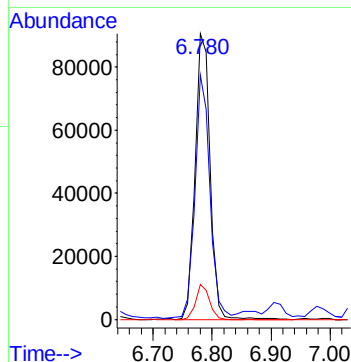
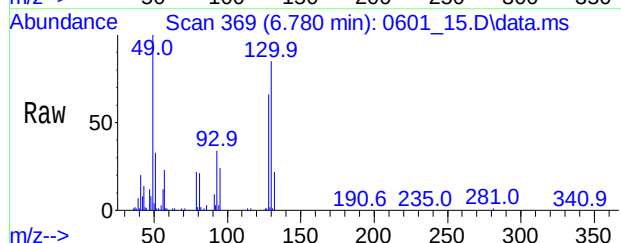
#25
Methyl Ethyl Ketone
Conc: 8\$ 1.229 ppbv
RT: 6.400 min Scan# 328
Delta R.T. 0.008 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

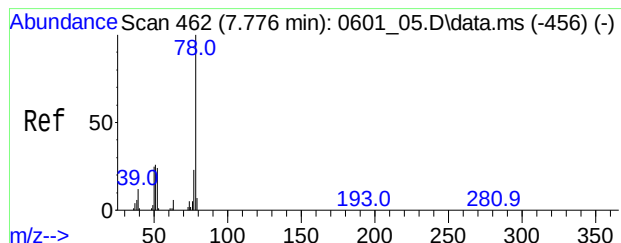
Tgt Ion: 43 Resp: 137041
Ion Ratio Lower Upper
43 100
72 23.2 19.0 28.4
57 9.3 8.6 12.8



#27
Hexane
Conc: 8\$ 1.773 ppbv
RT: 6.780 min Scan# 369
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

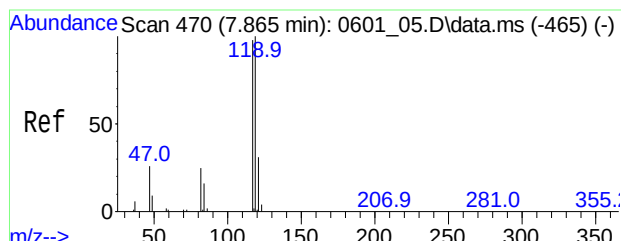
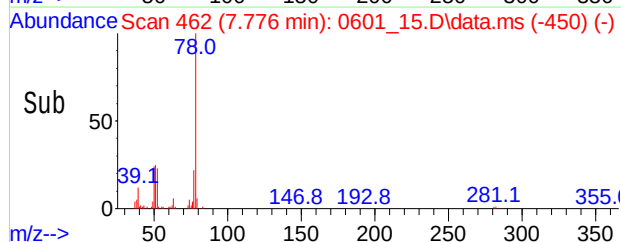
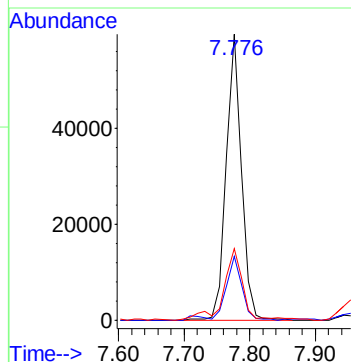
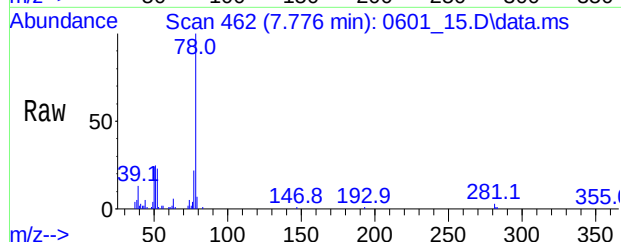
Tgt Ion: 57 Resp: 159610
Ion Ratio Lower Upper
57 100
41 84.4 62.6 93.8
86 11.2 8.1 12.1





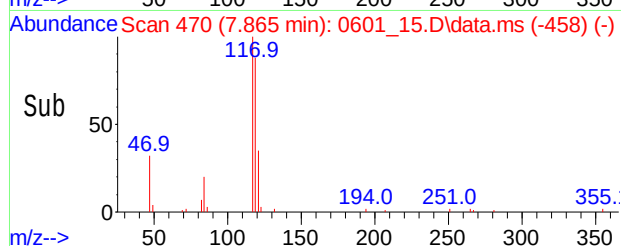
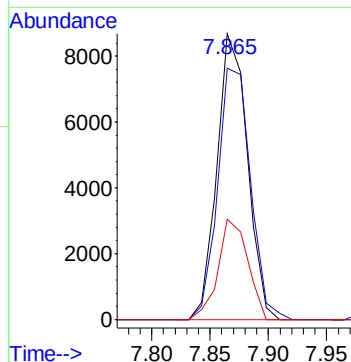
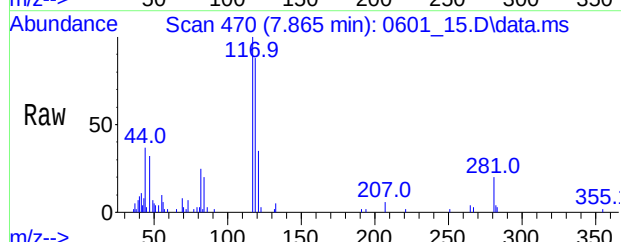
#33
Benzene
Conc: 8\$ 0.755 ppbv
RT: 7.776 min Scan# 462
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

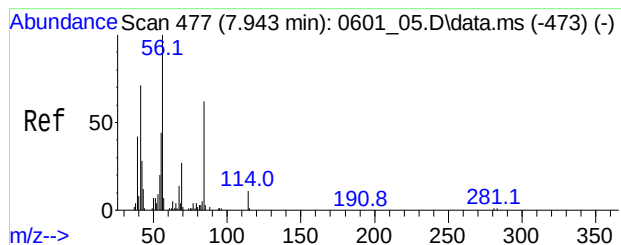
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	96503		
77	22.6	18.9	28.3	
51	34.2	23.2	34.8	



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.865 min Scan# 470
Delta R.T. -0.011 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

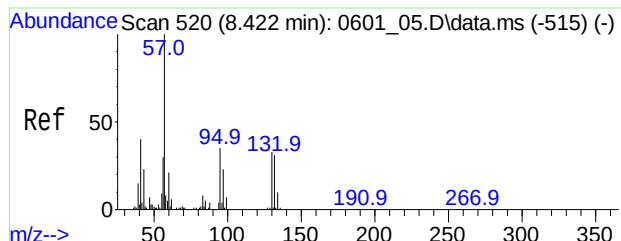
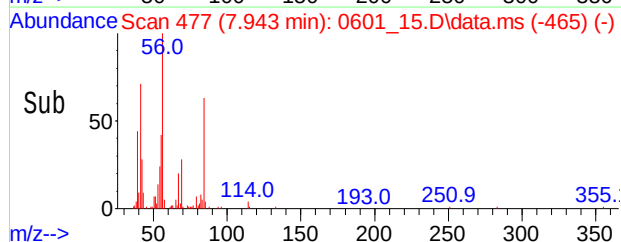
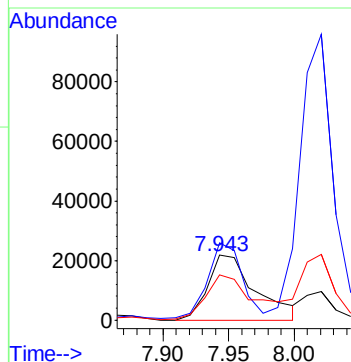
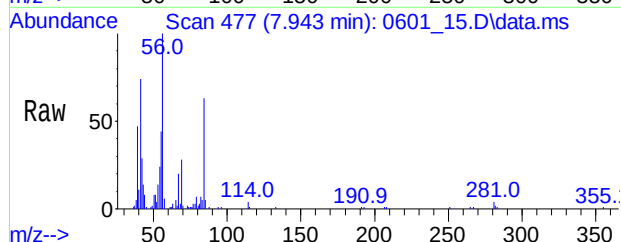
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	15729		
119	94.8	75.6	115.6	
121	34.1	10.3	50.3	





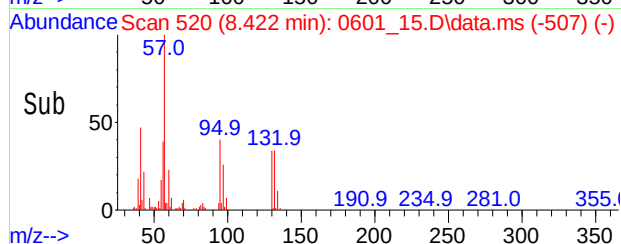
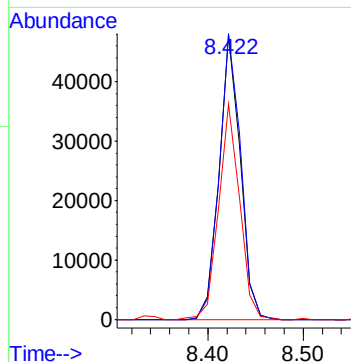
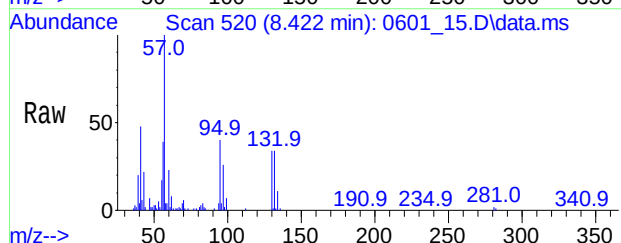
#35
Cyclohexane
Conc: 8\$ 1.042 ppbv
RT: 7.943 min Scan# 477
Delta R.T. -0.011 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

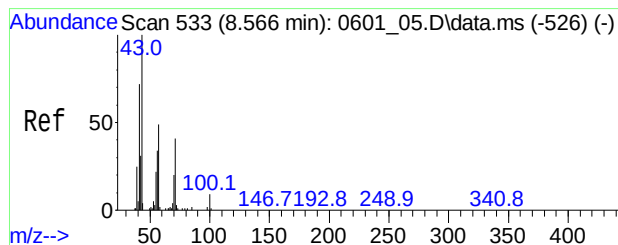
Tgt Ion	Ratio	Resp	Lower	Upper
84	100	55380		
41	84.6	90.3	135.5#	
55	68.2	62.2	93.4	



#39
Trichloroethene
Conc: 8\$ 0.898 ppbv
RT: 8.422 min Scan# 520
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

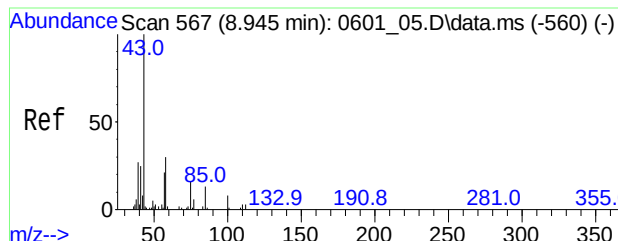
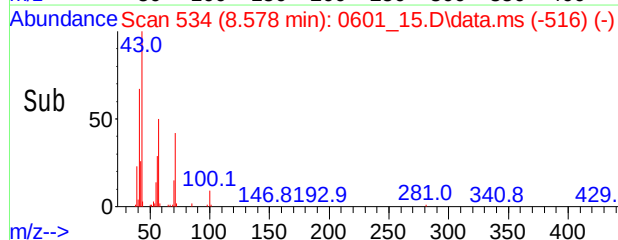
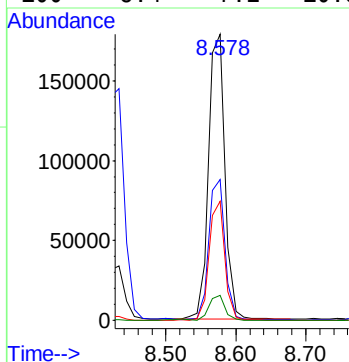
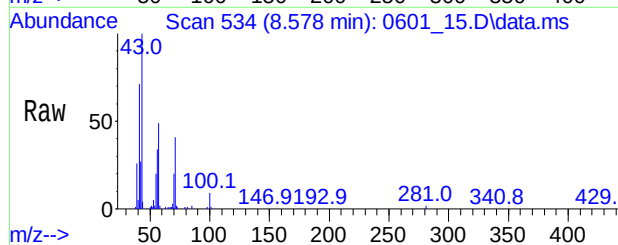
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	73813		
132	102.0	80.6	121.0	
97	75.5	58.1	87.1	





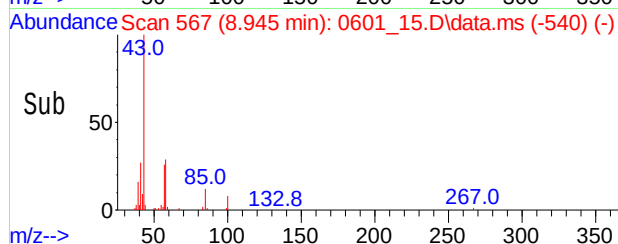
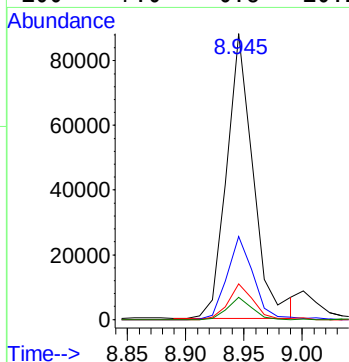
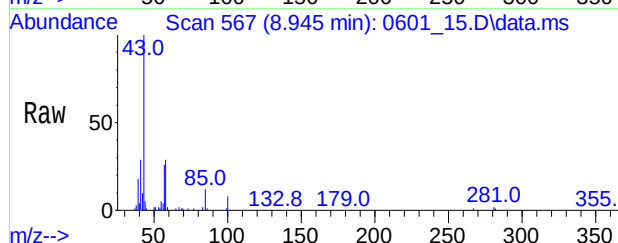
#43
Heptane
Conc: 8\$ 2.437 ppbv
RT: 8.578 min Scan# 534
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

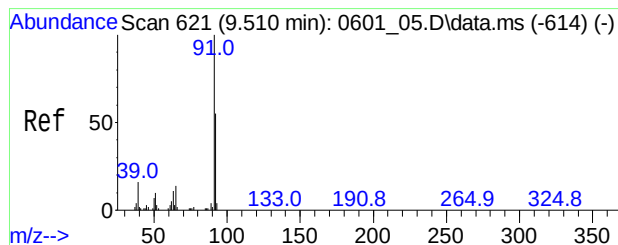
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	294468		
57	49.0	43.7	65.5	
71	39.5	32.4	48.6	
100	8.4	7.2	10.8	



#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 0.813 ppbv
RT: 8.945 min Scan# 567
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

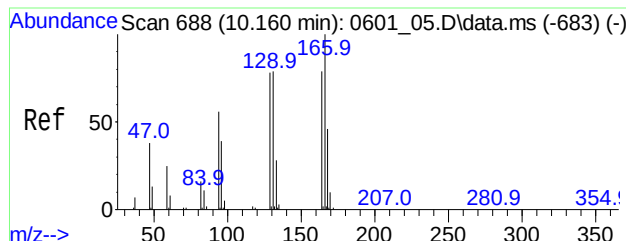
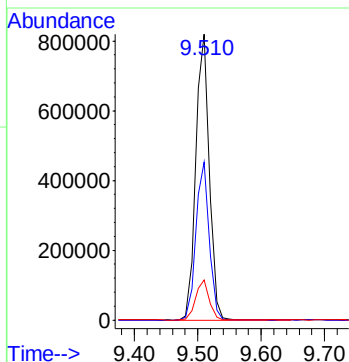
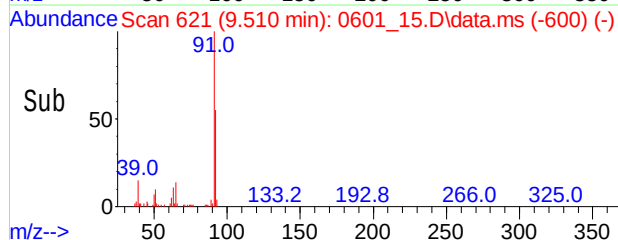
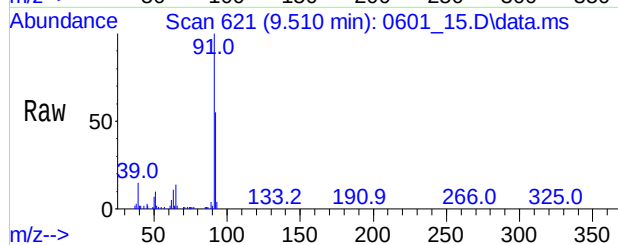
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	139619		
58	29.0	32.2	48.2#	
85	11.7	13.3	19.9#	
100	7.0	6.8	10.2	





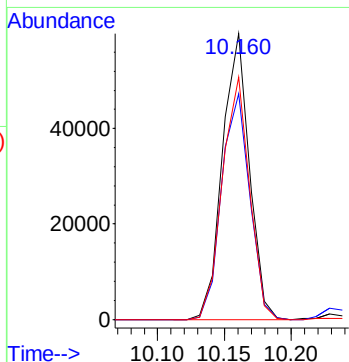
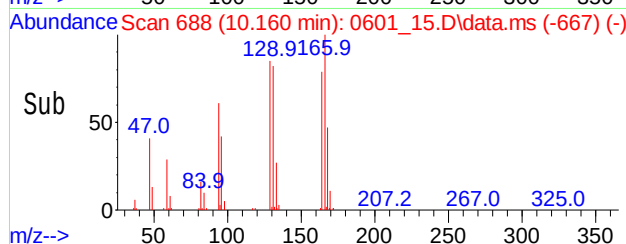
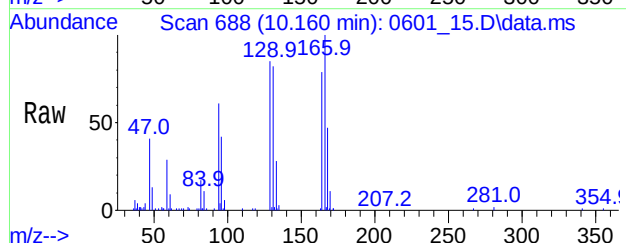
#48
Toluene
Conc: 8\$ 6.185 ppbv
RT: 9.510 min Scan# 621
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

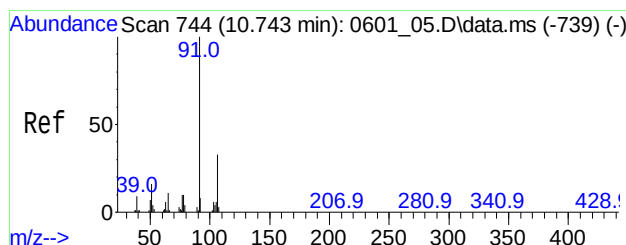
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1211136		
92	54.4	43.6	65.4	
65	14.1	12.2	18.4	



#52
Tetrachloroethene
Conc: 8\$ 0.698 ppbv
RT: 10.160 min Scan# 688
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

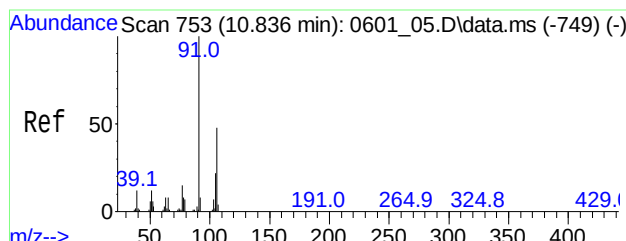
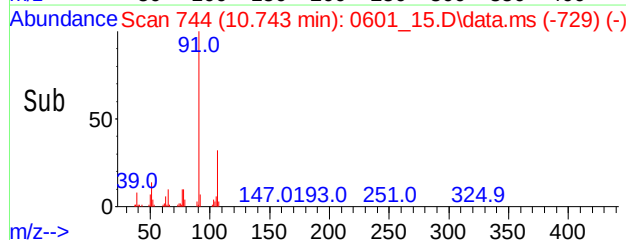
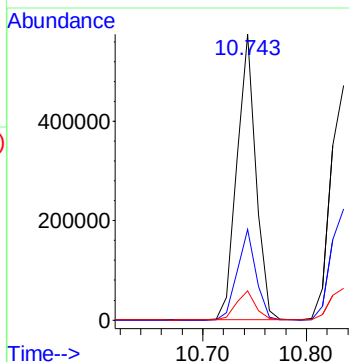
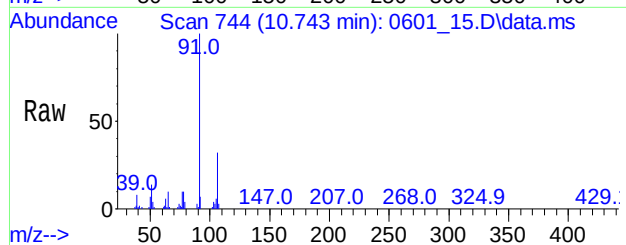
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	83429		
164	82.6	63.3	94.9	
129	85.4	61.2	91.8	





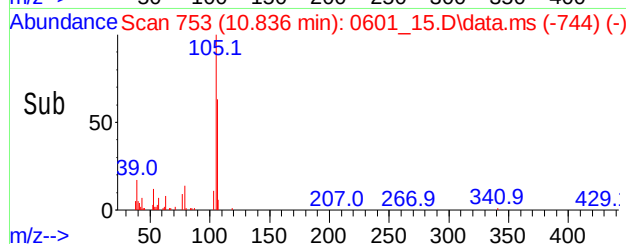
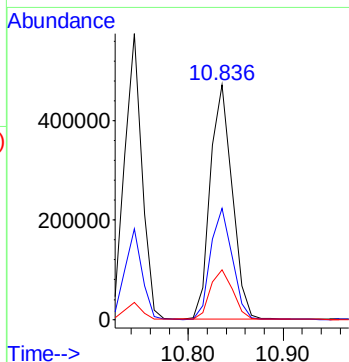
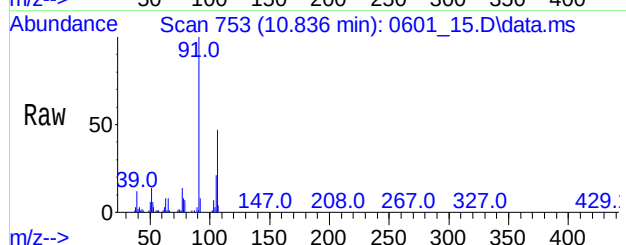
#56
Ethylbenzene
Conc: 8\$ 2.973 ppbv
RT: 10.743 min Scan# 744
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

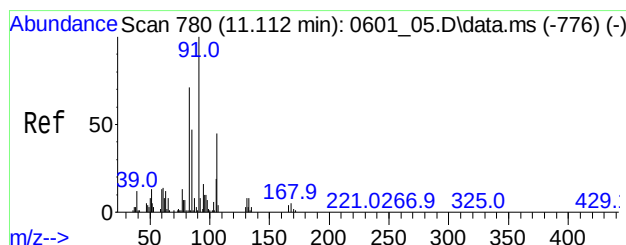
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	730327		
106	31.4	10.0	50.0	
77	10.6	0.0	29.9	



#57
m,p-Xylene
Conc: 8\$ 3.663 ppbv
RT: 10.836 min Scan# 753
Delta R.T. -0.010 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

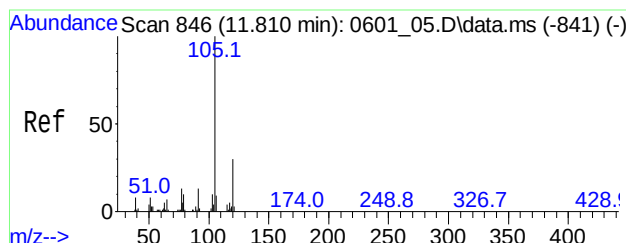
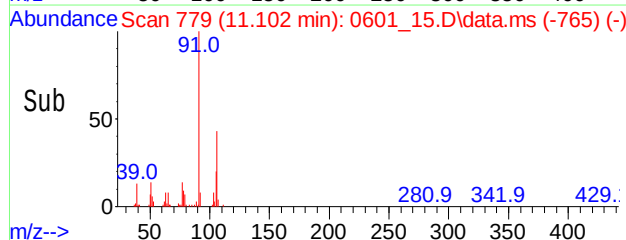
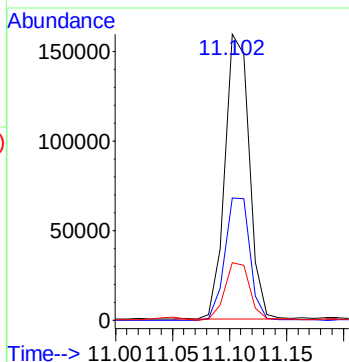
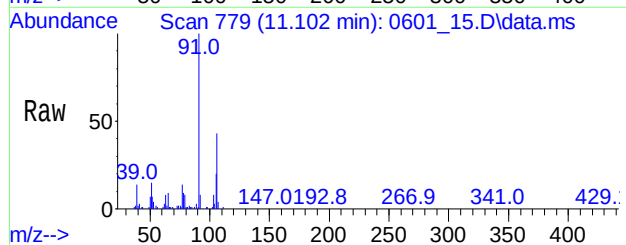
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	751809		
106	47.0	35.6	53.4	
105	22.1	17.1	25.7	





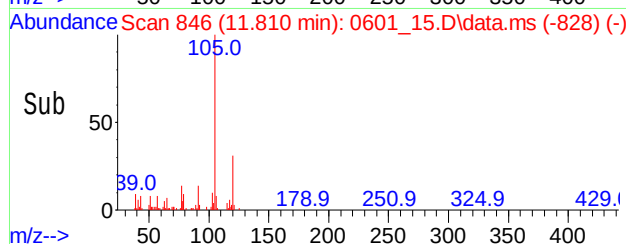
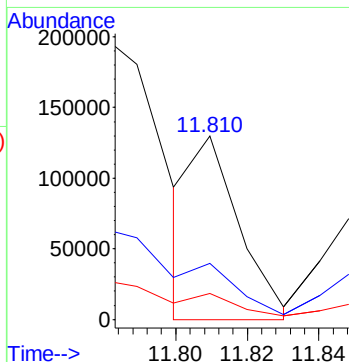
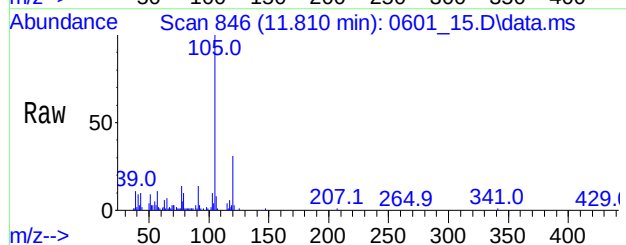
#61
o-Xylene
Conc: 8\$ 1.034 ppbv
RT: 11.102 min Scan# 779
Delta R.T. -0.010 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

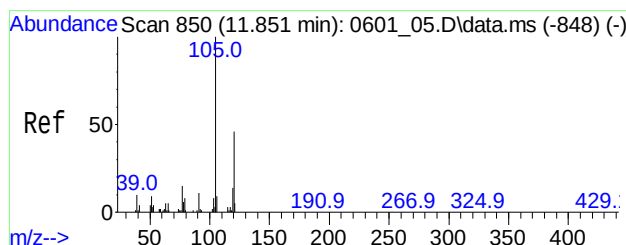
Tgt Ion: 91 Resp: 237187
Ion Ratio Lower Upper
91 100
106 44.2 33.4 50.0
105 20.9 14.7 22.1



#66
4-Ethyltoluene
Conc: 8\$ 0.364 ppbv
RT: 11.810 min Scan# 846
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

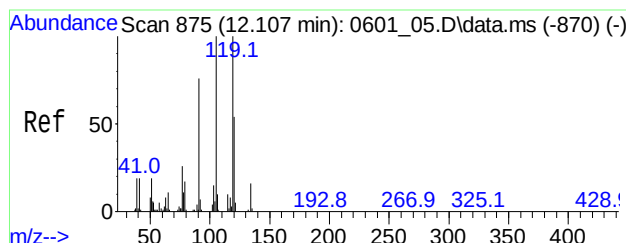
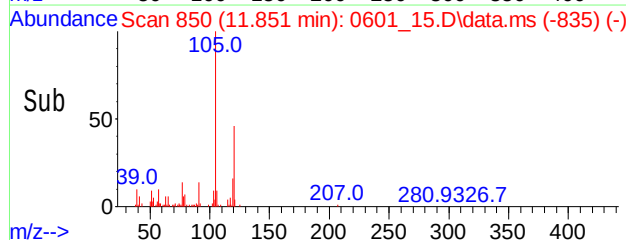
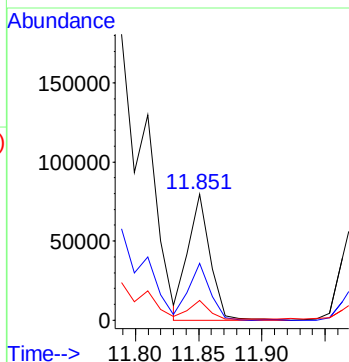
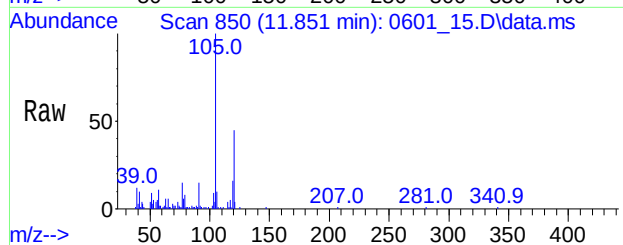
Tgt Ion: 105 Resp: 116456
Ion Ratio Lower Upper
105 100
120 119.6 23.3 34.9#
77 49.2 10.2 15.4#





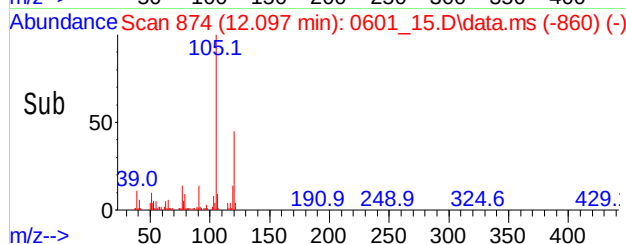
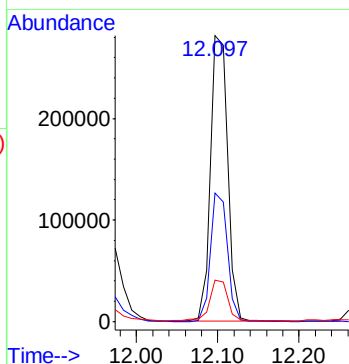
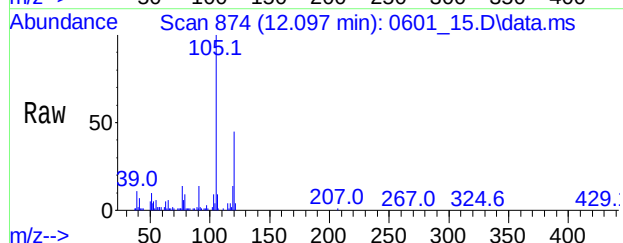
#67
1,3,5-Trimethylbenzene
Conc: 8\$ 0.335 ppbv
RT: 11.851 min Scan# 850
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

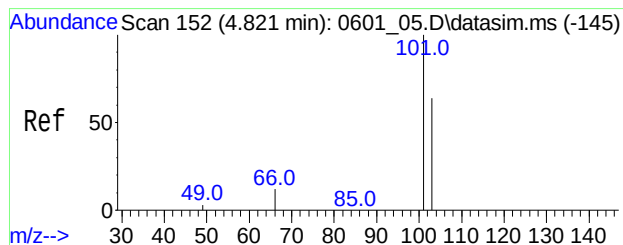
Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	35.0	52.6
77	13.2	11.0	16.4



#68
1,2,4-Trimethylbenzene
Conc: 8\$ 1.400 ppbv
RT: 12.097 min Scan# 874
Delta R.T. -0.010 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

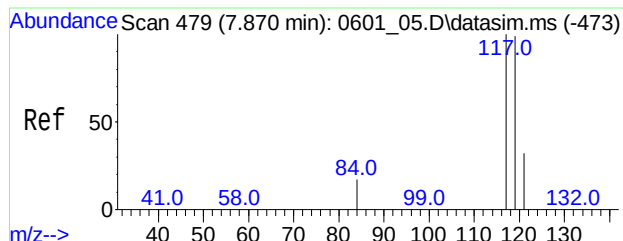
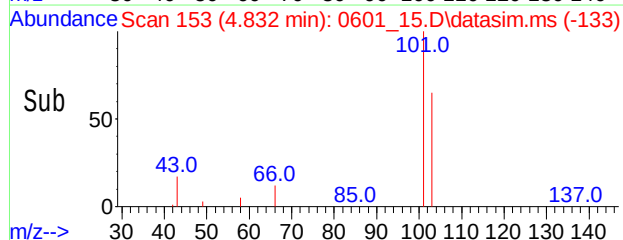
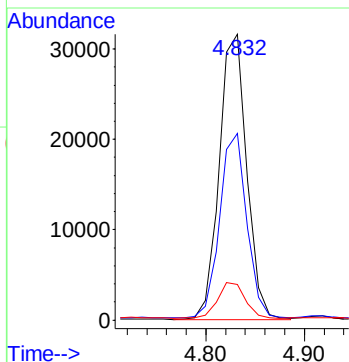
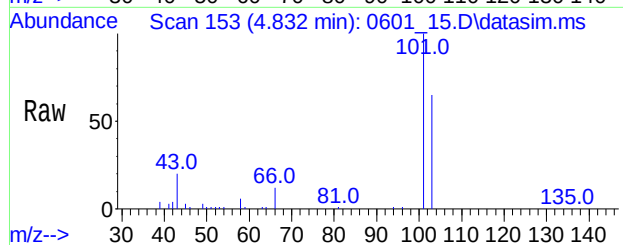
Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	40.1	60.1
77	15.4	21.1	31.7#





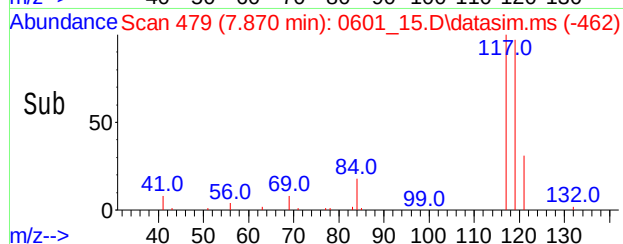
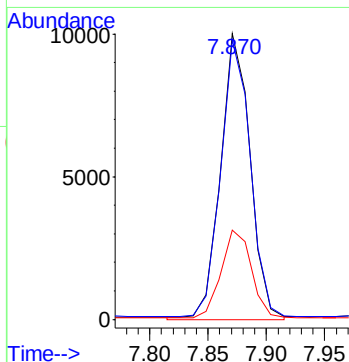
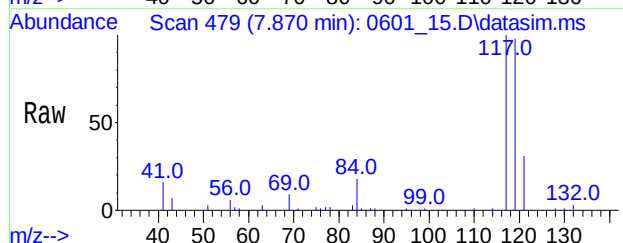
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.274 ppbv
RT: 4.832 min Scan# 153
Delta R.T. 0.011 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

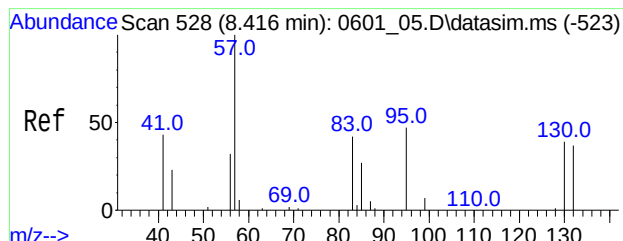
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	61354		
103	63.7	51.2	76.8	
66	12.5	12.8		12.8#



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.092 ppbv
RT: 7.865 min Scan# 479
Delta R.T. -0.011 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

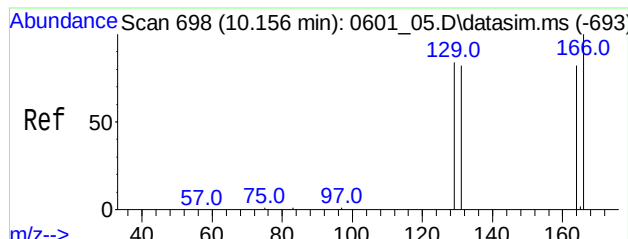
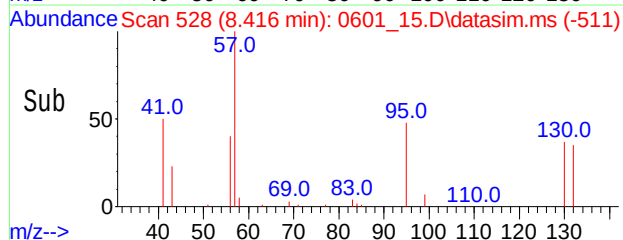
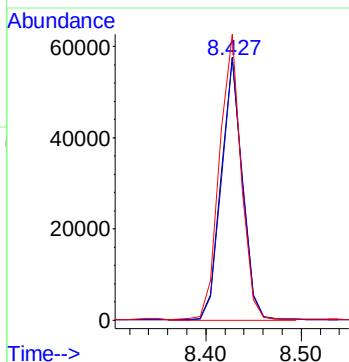
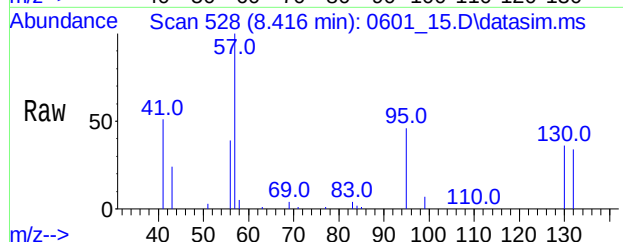
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	15729		
119	94.8	76.5	114.7	
121	34.1	24.2	36.4	





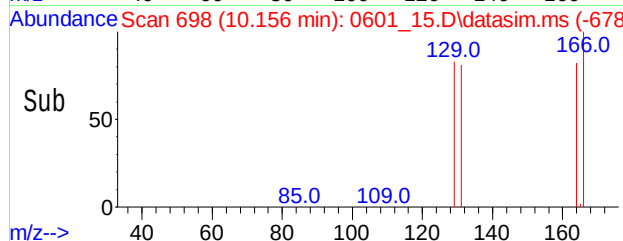
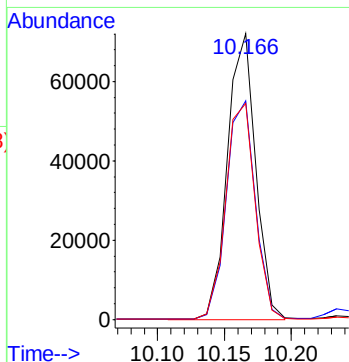
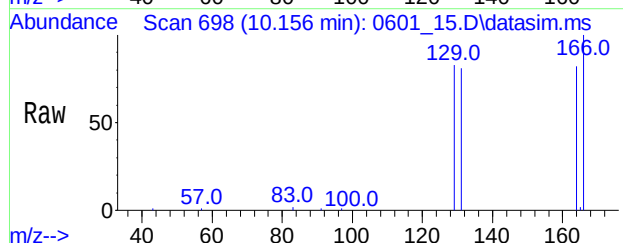
#97
Trichloroethene(sim)
Conc: 8\$ 0.862 ppbv
RT: 8.422 min Scan# 528
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

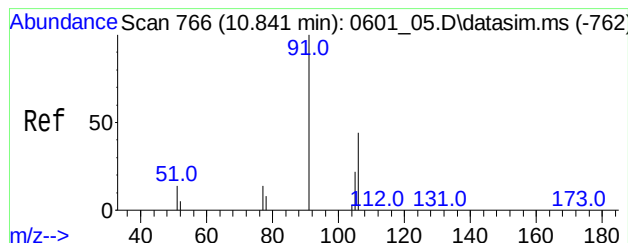
Tgt Ion	Ratio	Lower	Upper
130	100		
132	102.0	80.6	120.8
95	116.0	90.4	135.6



#103
Tetrachloroethene(sim)
Conc: 8\$ 0.674 ppbv
RT: 10.160 min Scan# 698
Delta R.T. -0.000 min
Lab File: 0601_15.D
Acq: 1 Jun 2020 4:53 pm

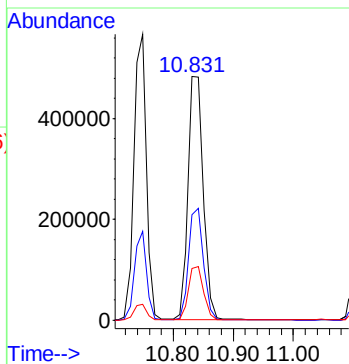
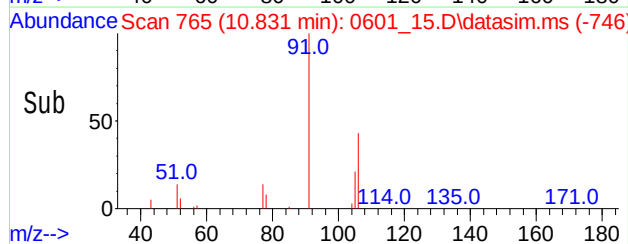
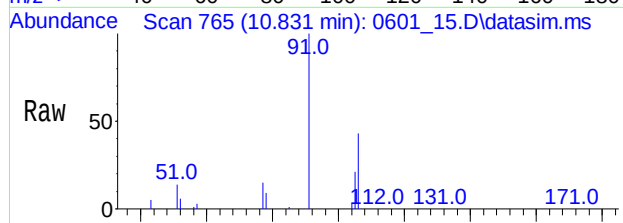
Tgt Ion	Ratio	Lower	Upper
166	100		
164	82.6	59.1	99.1
129	85.4	56.6	96.6





#106
 m,p-Xylene(sim)
 Conc: 8\$ 4.133 ppbv
 RT: 10.831 min Scan# 765
 Delta R.T. -0.010 min
 Lab File: 0601_15.D
 Acq: 1 Jun 2020 4:53 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	848614		
106	44.9	40.1	49.0	
105	22.0	17.3	25.9	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	IA-5D
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03907</u>	
Canister:	<u>17157</u>	Lab File ID:	<u>0601_16.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.666		0.202	0.202	r
74-87-3	Chloromethane	0.672		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	46.5	ES	0.531	0.531	r
67-64-1	Acetone	4.25	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.245		0.178	0.178	r
67-63-0	Isopropylalcohol	2.58	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.343		0.339	0.339	r
110-54-3	Hexane	0.366	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.405		0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.283		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.908		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.548		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

IA-5D

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03907

Canister: 17157 Lab File ID: 0601_16.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.080		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 060116.D
 Acq On : 1 Jun 2020 5:34 pm
 Operator :
 Client ID : IA-5D
 Lab ID : CG03907
 ALS Vial : 13 Sample Multiplier: 1

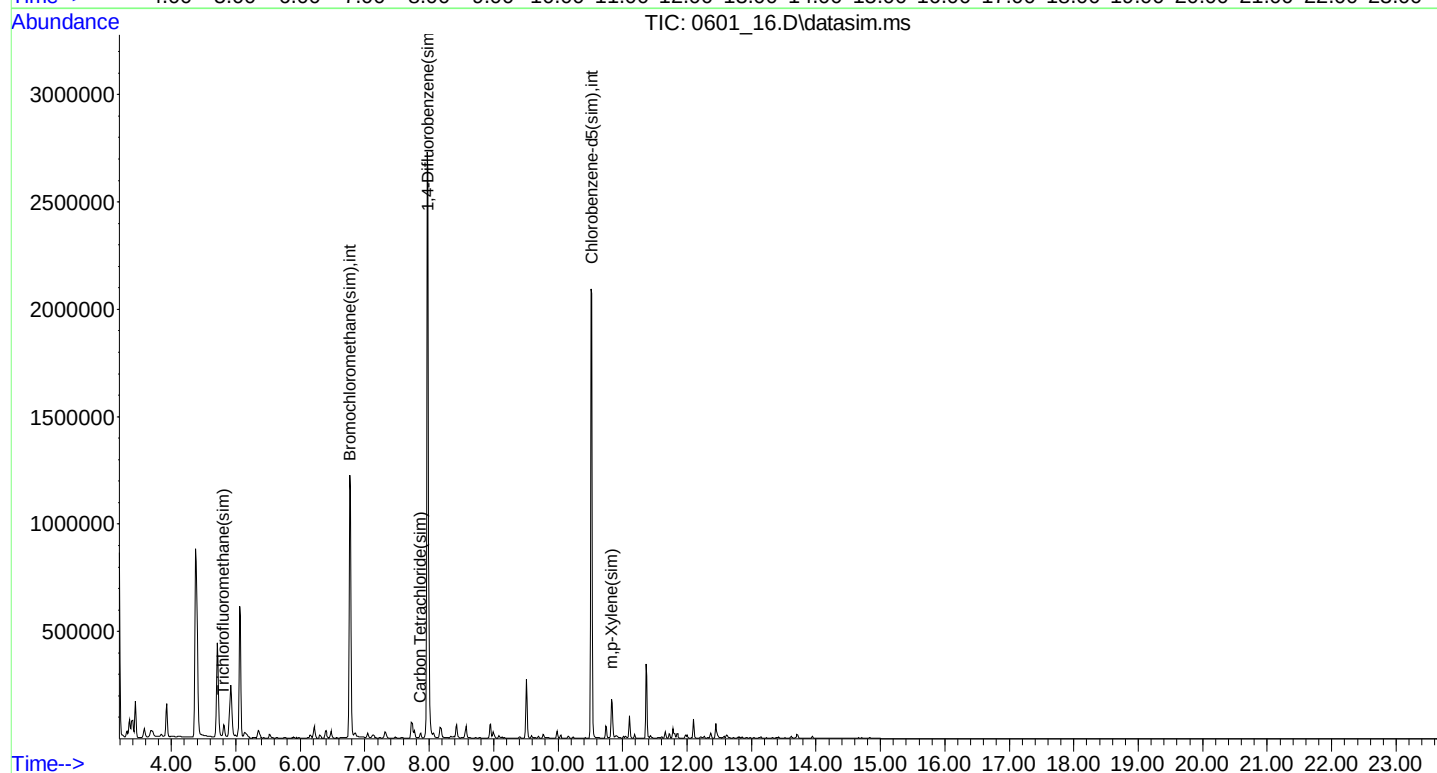
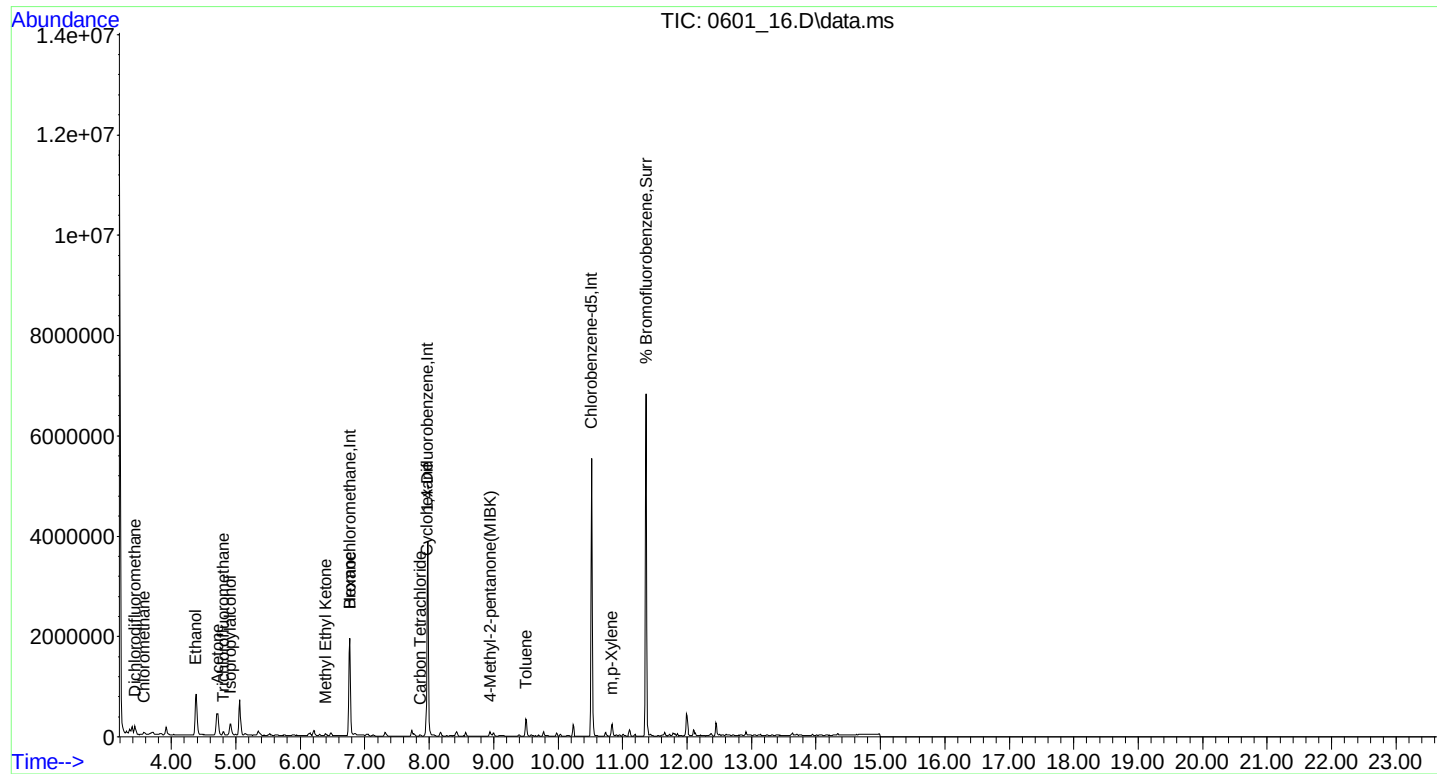
Quant Time: Jun 02 08:20:16 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

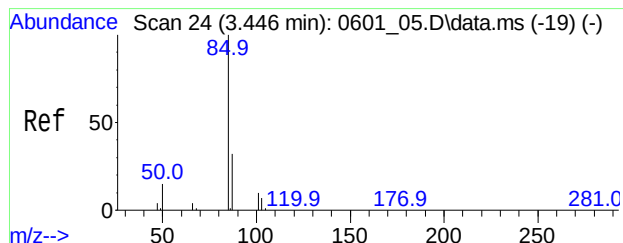
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	614264	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.976	114	2381995	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1305716	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.775	130	656618	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2736376	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1436326	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1744572	9.283	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	92.80%
Target Compounds						
3) Dichlorodifluoromethane	3.436	85	141582	0.666	ppbv	Qvalue 98
4) Chloromethane	3.576	50	43503	0.672	ppbv	96
11) Ethanol	4.384	45	1116287	46.497	ppbv	99
12) Acetone	4.719	43	482014	4.246	ppbv	91
13) Trichlorofluoromethane	4.805	101	53553	0.245	ppbv	96
14) Isopropylalcohol	4.913	45	323579	2.576	ppbv	97
25) Methyl Ethyl Ketone	6.393	43	41431	0.343	ppbv	98
27) Hexane	6.769	57	35746	0.366	ppbv	93
34) Carbon Tetrachloride	7.865	117	14908	0.082	ppbv	98
35) Cyclohexane	7.965	84	23331	0.405	ppbv#	58
45) 4-Methyl-2-pentanone(M...)	8.945	43	54437	0.283	ppbv#	83
48) Toluene	9.501	91	199185	0.908	ppbv	99
57) m,p-Xylene	10.836	91	123801	0.548	ppbv	94
84) Trichlorofluoromethane...	4.810	101	56593	0.232	ppbv#	99
87) Carbon Tetrachloride(sim)	7.865	117	14908	0.080	ppbv	98
106) m,p-Xylene(sim)	10.831	91	139931	0.618	ppbv	97

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
Data File : 0601_16.D
Acq On : 1 Jun 2020 5:34 pm
Operator :
Client ID : IA-5D
Lab ID : CG03907
ALS Vial : 13 Sample Multiplier: 1

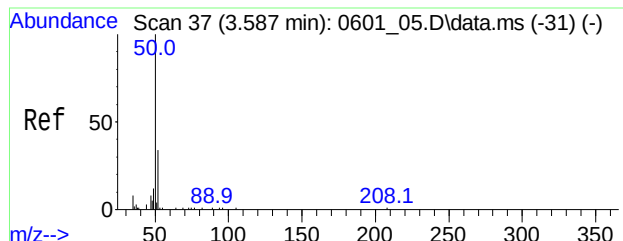
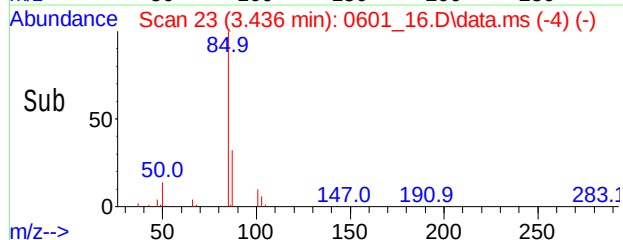
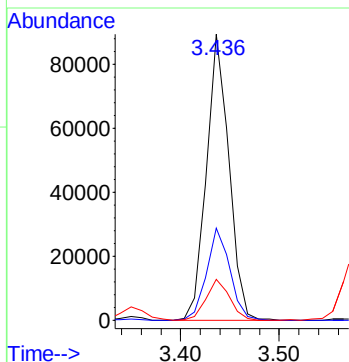
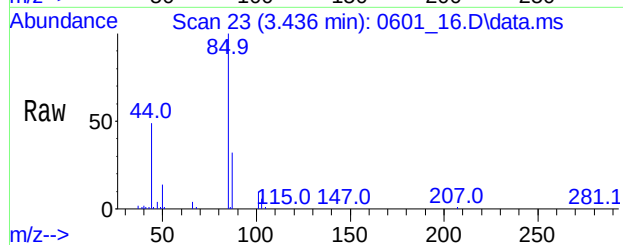
Quant Time: Jun 02 08:20:16 2020
Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Wed May 27 10:44:12 2020
Response via : Initial Calibration





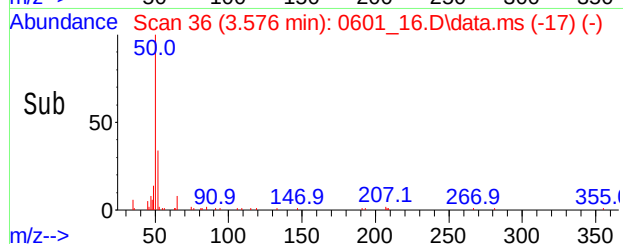
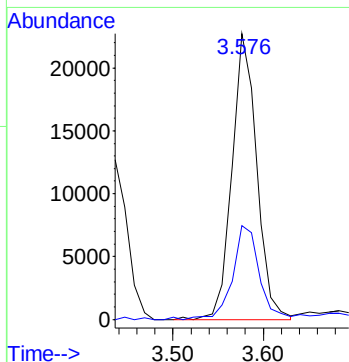
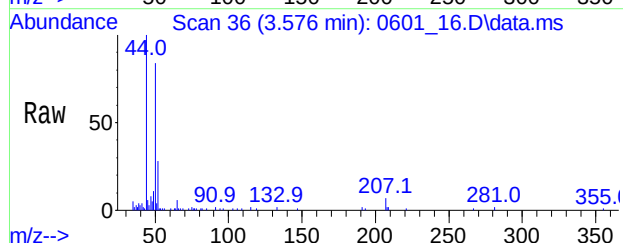
#3
Dichlorodifluoromethane
Conc: 8\$ 0.666 ppbv
RT: 3.436 min Scan# 23
Delta R.T. 0.000 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

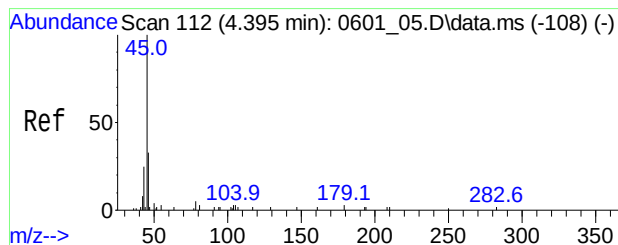
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	141582		
87	33.2	25.7	38.5	
50	14.9	11.0	16.6	



#4
Chloromethane
Conc: 8\$ 0.672 ppbv
RT: 3.576 min Scan# 36
Delta R.T. 0.000 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

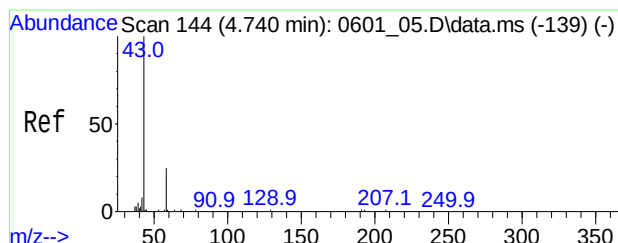
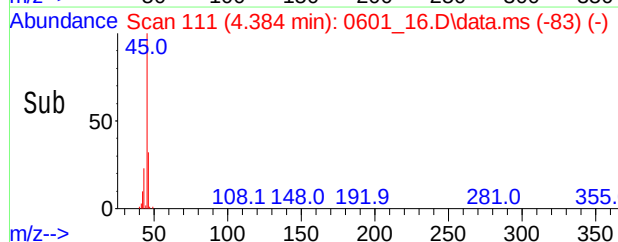
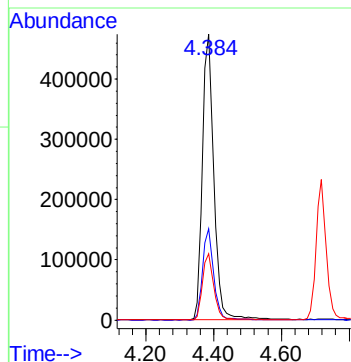
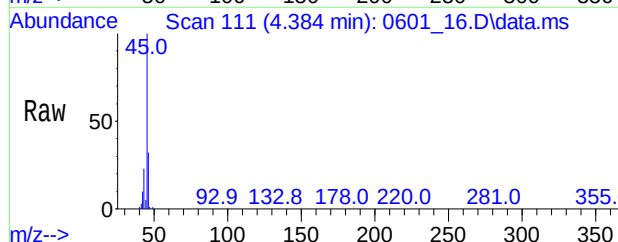
Tgt Ion	Ratio	Resp	Lower	Upper
50	100	43503		
52	36.0	14.0	54.0	





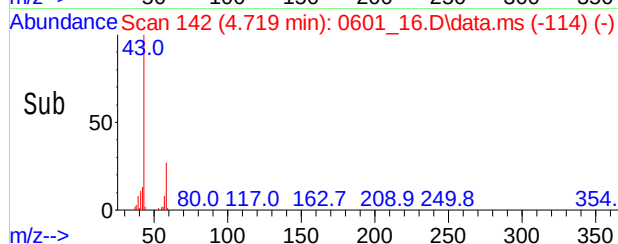
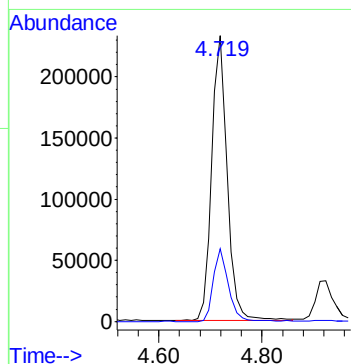
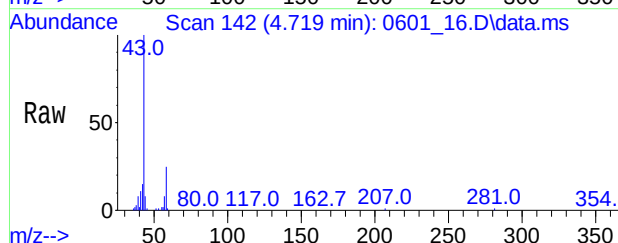
#11
Ethanol
Conc: 8\$ 46.497 ppbv
RT: 4.384 min Scan# 111
Delta R.T. 0.000 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

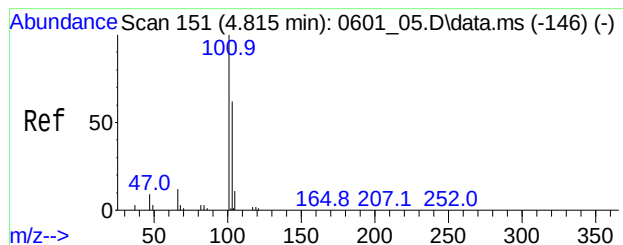
Tgt Ion: 45 Resp: 1116287
Ion Ratio Lower Upper
45 100
46 30.9 24.6 37.0
43 23.0 19.3 28.9



#12
Acetone
Conc: 8\$ 4.246 ppbv
RT: 4.719 min Scan# 142
Delta R.T. 0.000 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

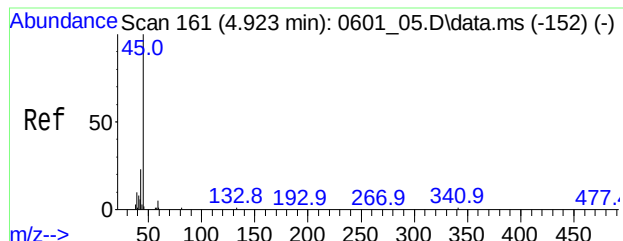
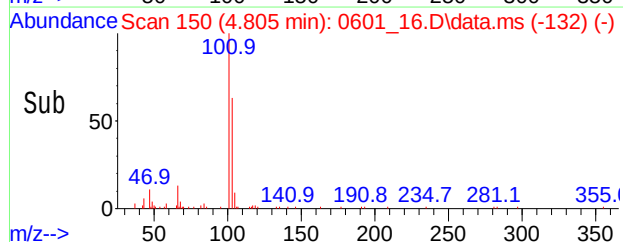
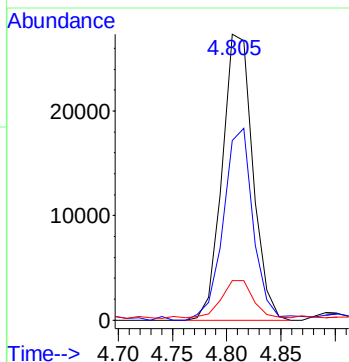
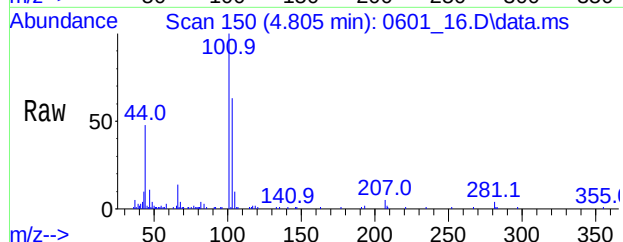
Tgt Ion: 43 Resp: 482014
Ion Ratio Lower Upper
43 100
58 25.1 23.8 35.8





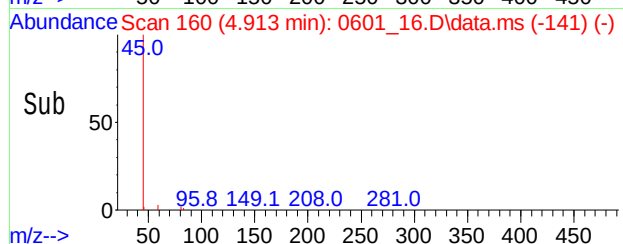
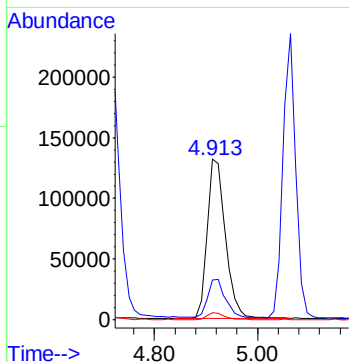
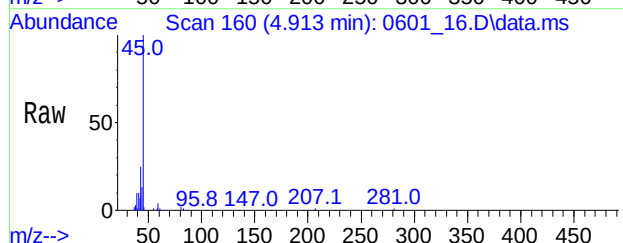
#13
Trichlorofluoromethane
Conc: 8\$ 0.245 ppbv
RT: 4.805 min Scan# 150
Delta R.T. -0.011 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

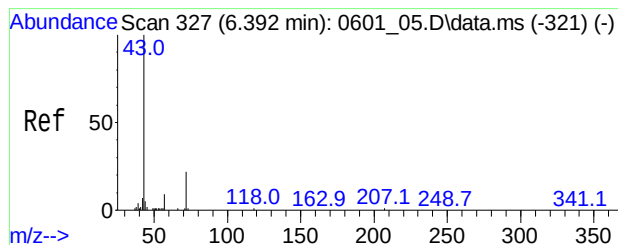
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	53553		
103	66.6	50.9	76.3	
66	14.5	10.0	15.0	



#14
Isopropylalcohol
Conc: 8\$ 2.576 ppbv
RT: 4.913 min Scan# 160
Delta R.T. 0.000 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

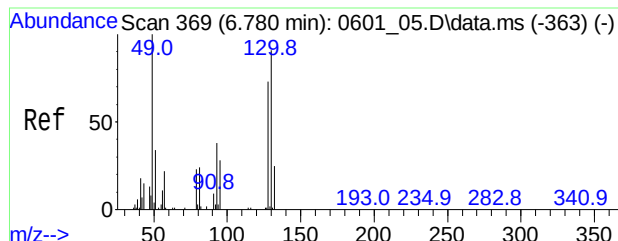
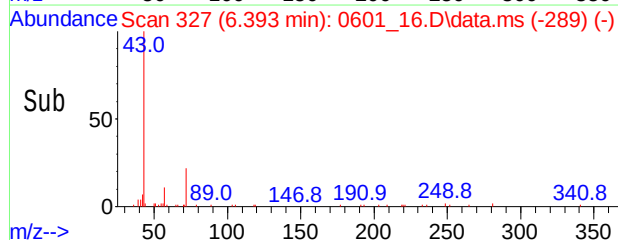
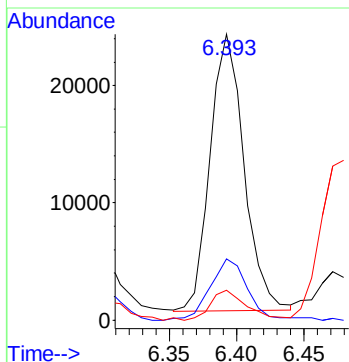
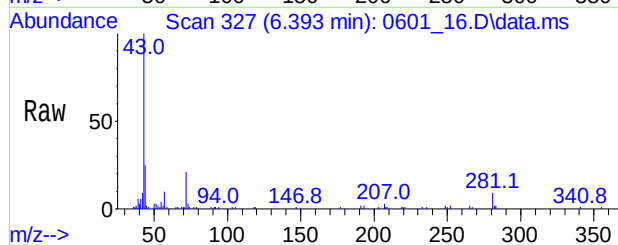
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	323579		
43	23.3	19.9	29.9	
59	3.8	3.6	5.4	





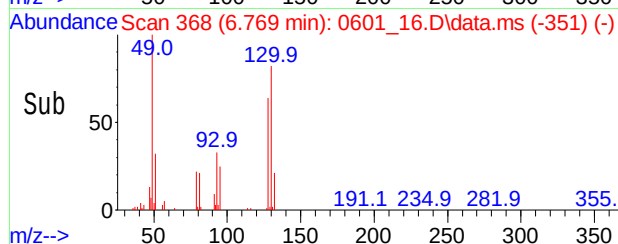
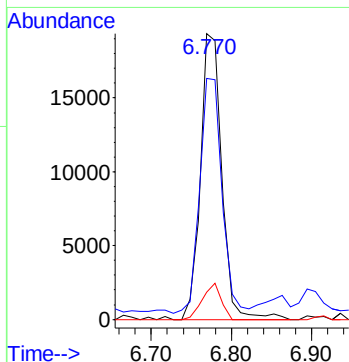
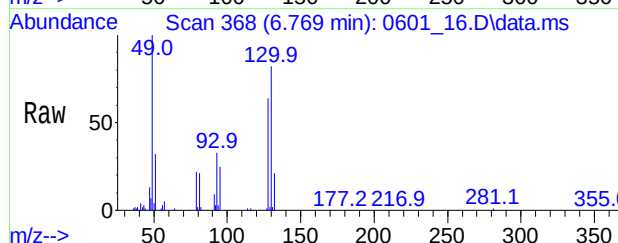
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.343 ppbv
RT: 6.393 min Scan# 327
Delta R.T. 0.000 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

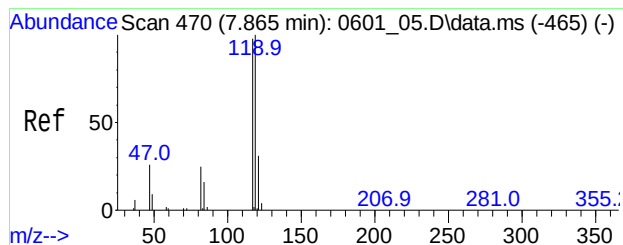
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	41431		
72	24.4	19.0	28.4	
57	11.5	8.6	12.8	



#27
Hexane
Conc: 8\$ 0.366 ppbv
RT: 6.769 min Scan# 368
Delta R.T. -0.010 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

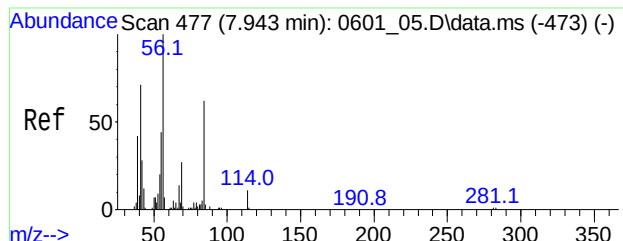
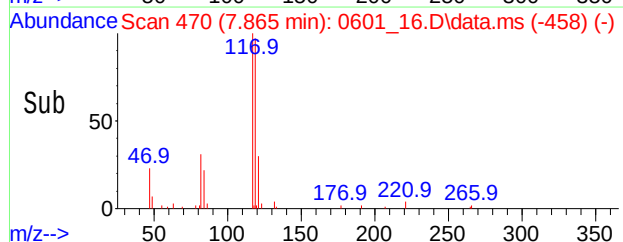
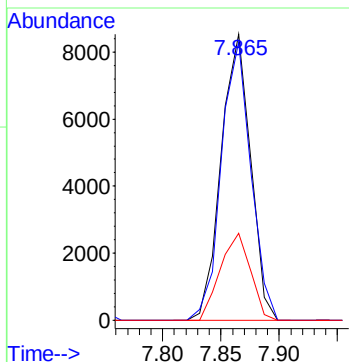
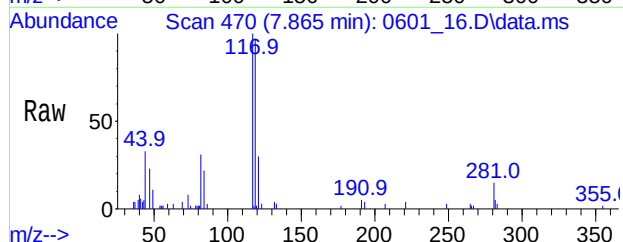
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	35746		
41	85.0	62.6	93.8	
86	11.1	8.1	12.1	





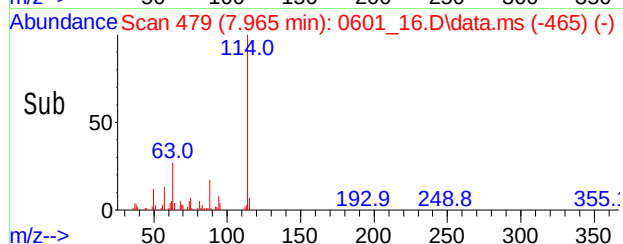
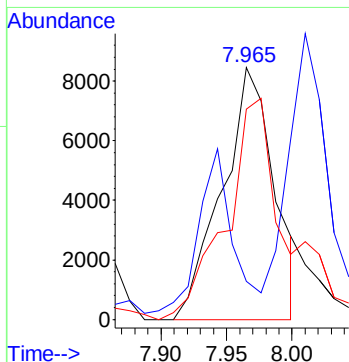
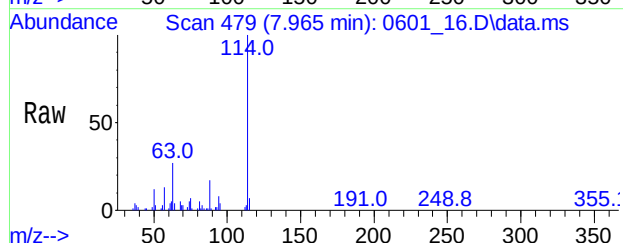
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.865 min Scan# 470
Delta R.T. -0.011 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

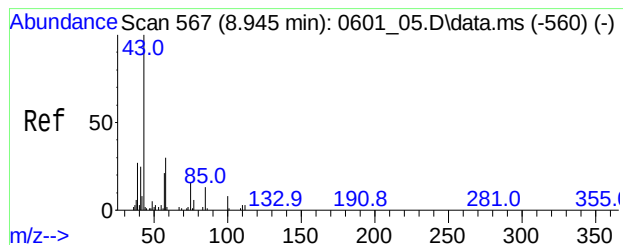
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	14908		
119	97.6	75.6	115.6	
121	31.2	10.3	50.3	



#35
Cyclohexane
Conc: 8\$ 0.405 ppbv
RT: 7.965 min Scan# 479
Delta R.T. 0.011 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

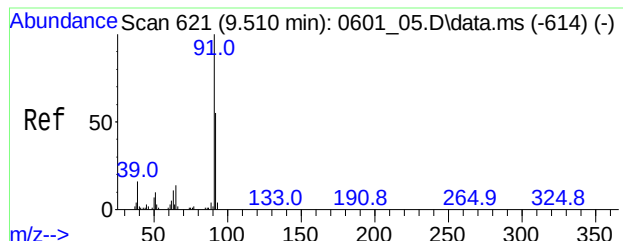
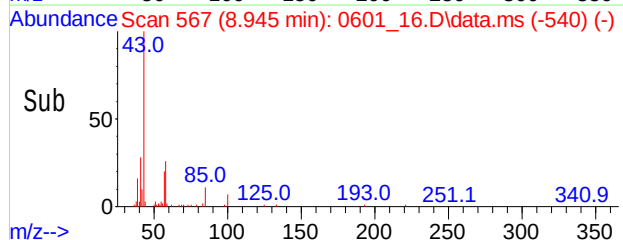
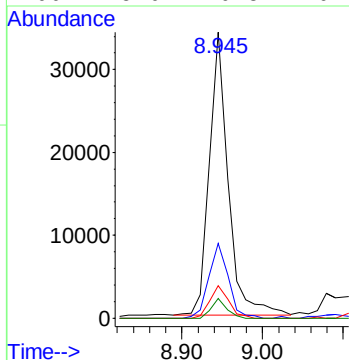
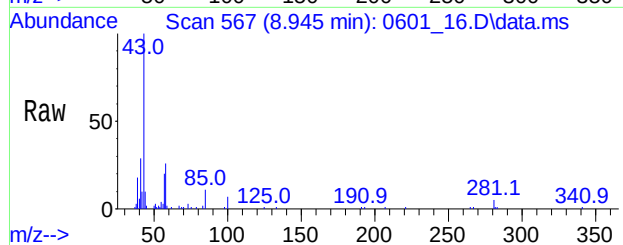
Tgt Ion	Ratio	Resp	Lower	Upper
84	100	23331		
41	41.9	90.3	135.5#	
55	83.0	62.2	93.4	





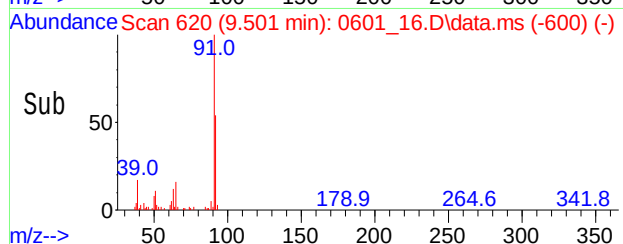
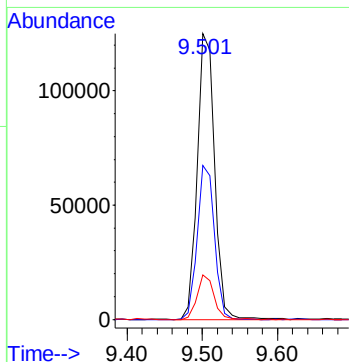
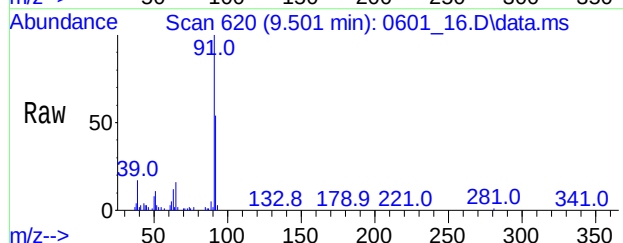
#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 0.283 ppbv
RT: 8.945 min Scan# 567
Delta R.T. 0.000 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

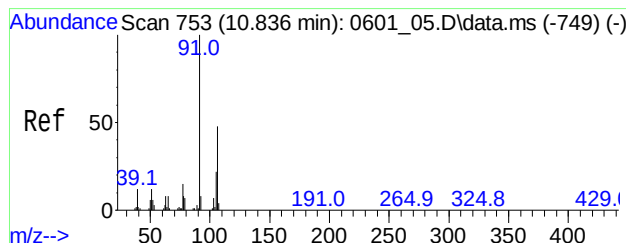
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	54437		
58	27.3	32.2	48.2#	
85	11.3	13.3	19.9#	
100	5.6	6.8	10.2#	



#48
Toluene
Conc: 8\$ 0.908 ppbv
RT: 9.501 min Scan# 620
Delta R.T. -0.010 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

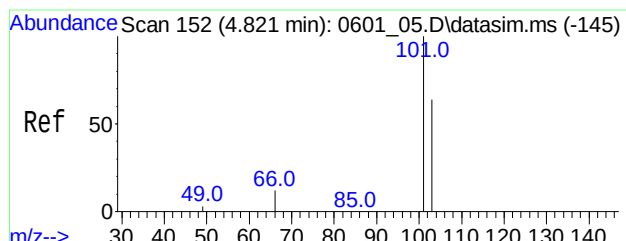
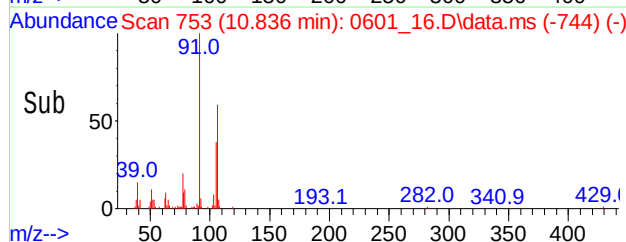
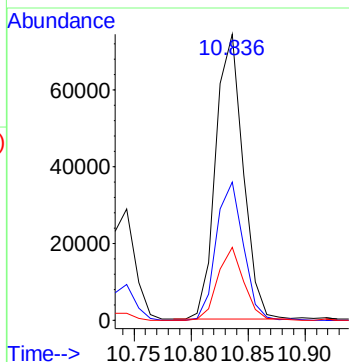
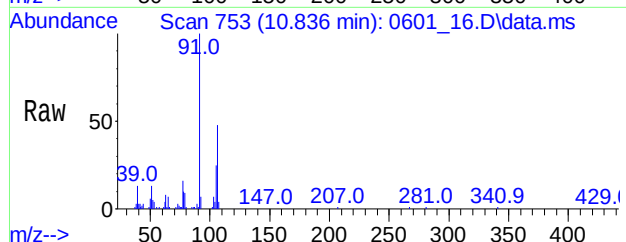
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	199185		
92	53.5	43.6	65.4	
65	15.4	12.2	18.4	





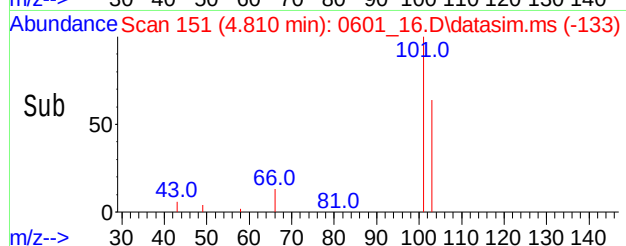
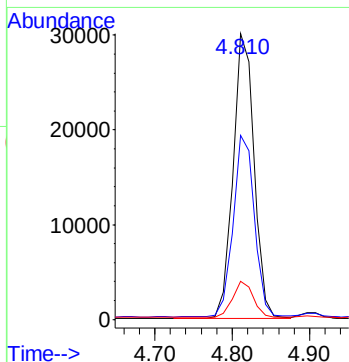
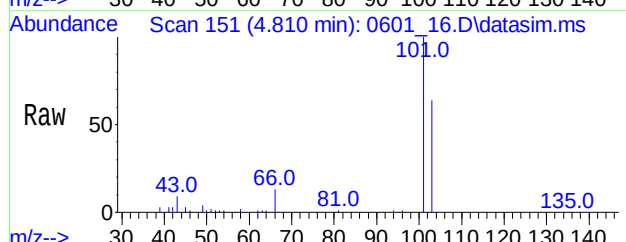
#57
m,p-Xylene
Conc: 8\$ 0.548 ppbv
RT: 10.836 min Scan# 753
Delta R.T. -0.010 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

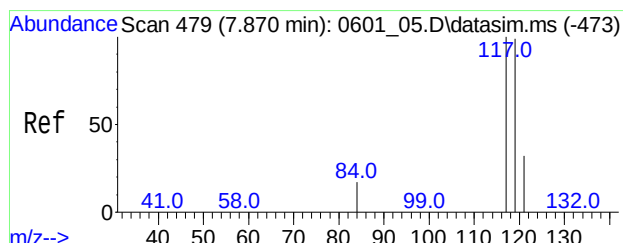
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	123801		
106	48.0	35.6	53.4	
105	24.4	17.1	25.7	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.232 ppbv
RT: 4.810 min Scan# 151
Delta R.T. -0.011 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

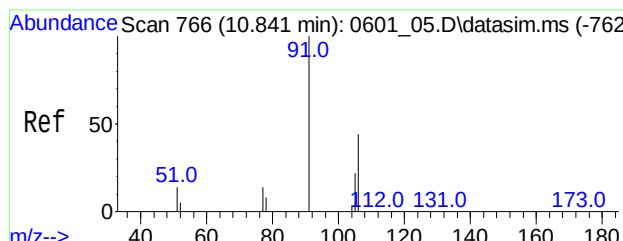
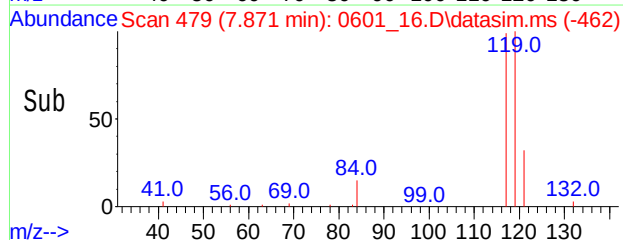
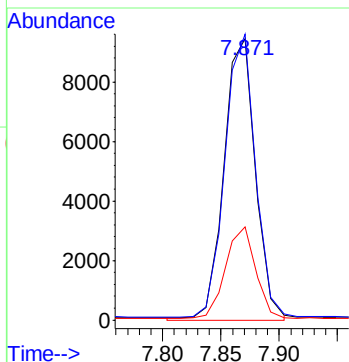
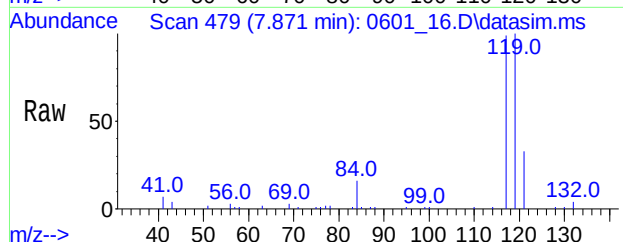
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	56593		
103	64.6	51.2	76.8	
66	12.4	12.8	12.8#	





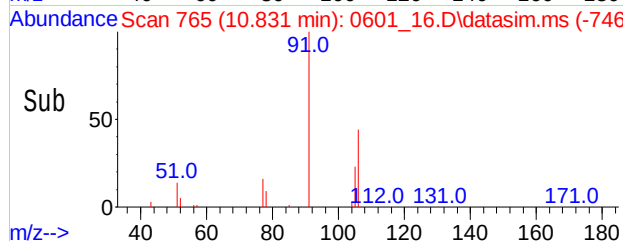
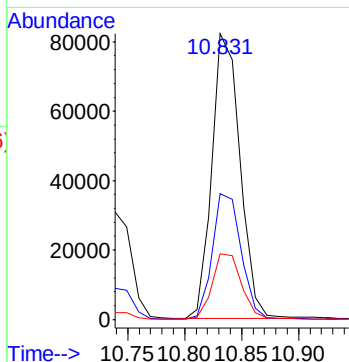
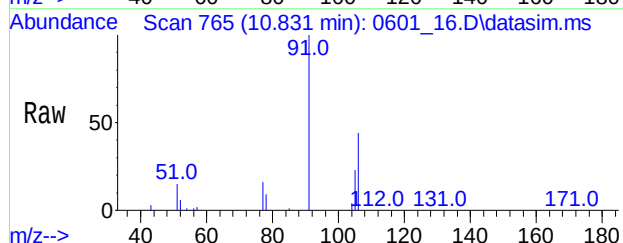
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.080 ppbv
RT: 7.865 min Scan# 479
Delta R.T. -0.011 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

Tgt Ion:	117	Resp:	14908
Ion Ratio		Lower	Upper
117	100		
119	97.6	76.5	114.7
121	31.2	24.2	36.4



#106
m,p-Xylene(sim)
Conc: 8\$ 0.618 ppbv
RT: 10.831 min Scan# 765
Delta R.T. -0.010 min
Lab File: 0601_16.D
Acq: 1 Jun 2020 5:34 pm

Tgt Ion:	91	Resp:	139931
Ion Ratio		Lower	Upper
91	100		
106	45.7	40.1	49.0
105	24.2	17.3	25.9



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

IA-1

SDG No.: GCG03886 Lab Sample ID: CG03908

Canister: 13635 Lab File ID: 0601_17.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.702		0.202	0.202	r
74-87-3	Chloromethane	0.682		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	43.3	ES	0.531	0.531	r
67-64-1	Acetone	3.88	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.258		0.178	0.178	r
67-63-0	Isopropylalcohol	1.87	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.370		0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.345		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CG03908
Canister:	13635	Lab File ID:	0601_17.D
Instrument:	CHEM20	Column:	RTX-1 60M
Purge Volume	200	(cc)	06/01/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.084		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.040		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_17.D
 Acq On : 1 Jun 2020 6:15 pm
 Operator :
 Client ID : IA-1
 Lab ID : CG03908
 ALS Vial : 14 Sample Multiplier: 1

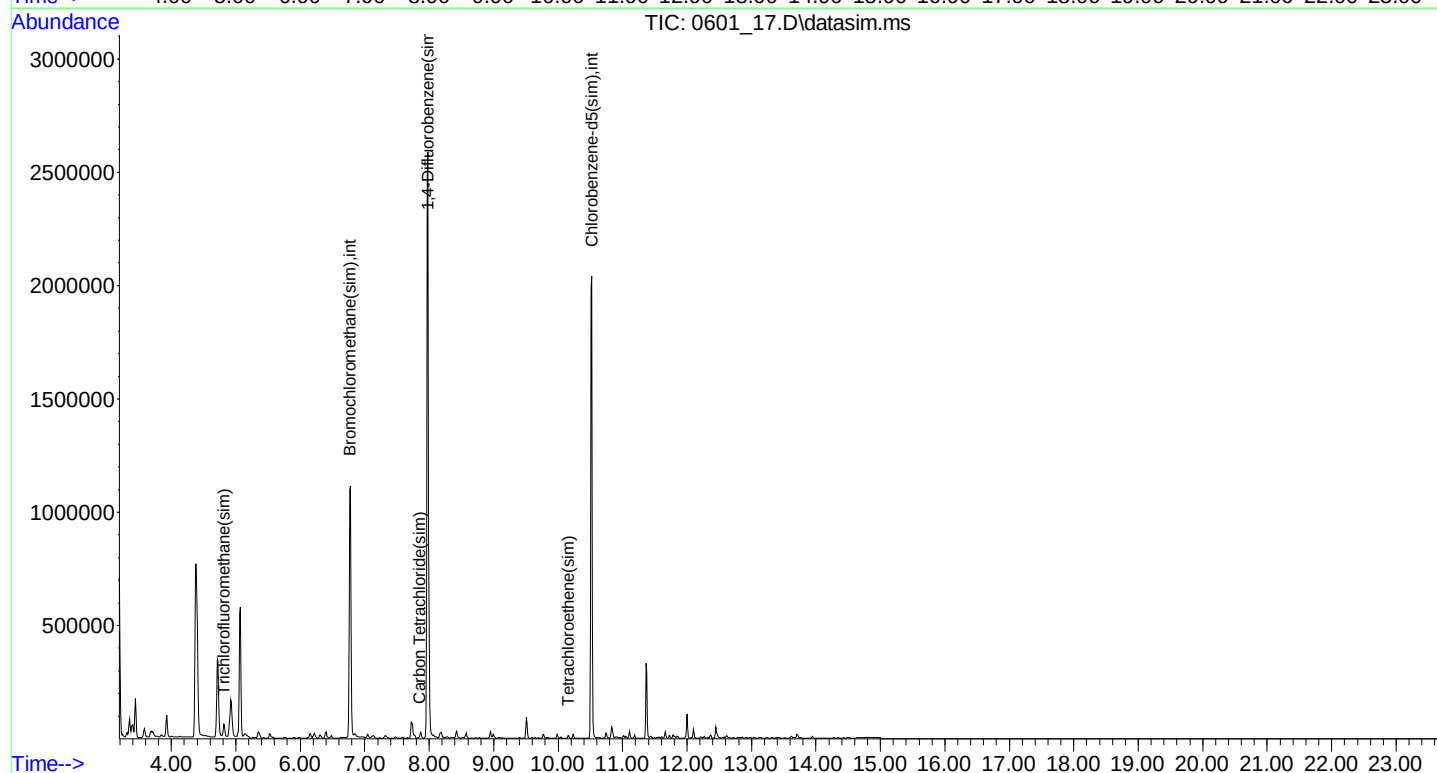
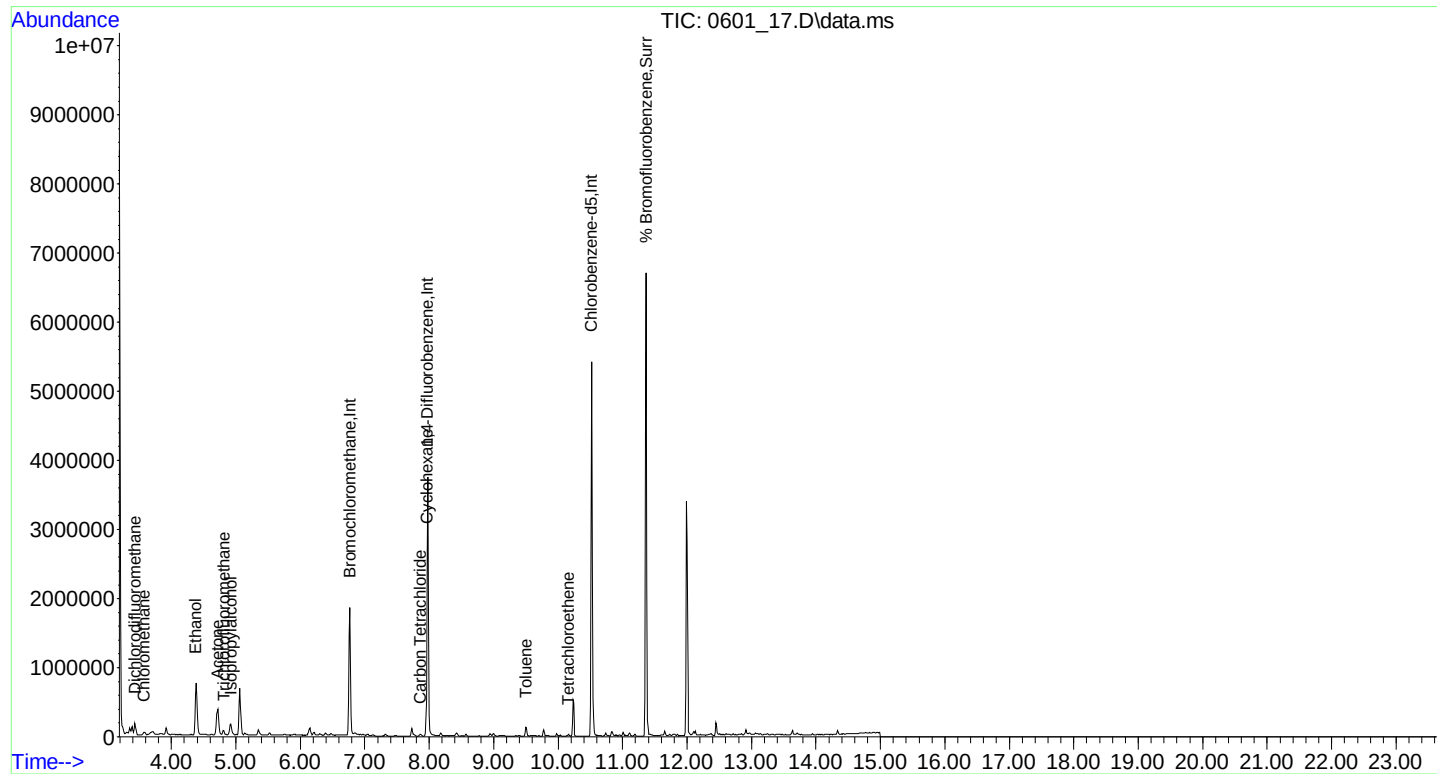
Quant Time: Jun 02 08:20:45 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

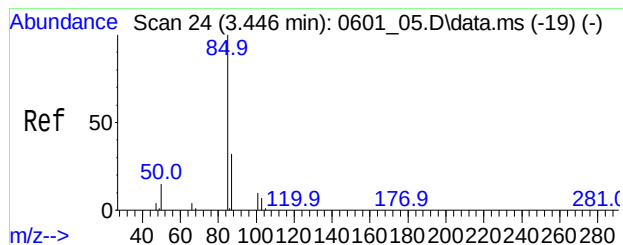
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	588295	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.976	114	2261218	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1258349	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.775	130	622924	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2569835	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1378326	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1681061	9.282	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	92.80%
Target Compounds						
3) Dichlorodifluoromethane	3.436	85	142912	0.702	ppbv	Qvalue 96
4) Chloromethane	3.576	50	42299	0.682	ppbv	97
11) Ethanol	4.384	45	996515	43.341	ppbv	98
12) Acetone	4.718	43	422048	3.882	ppbv	92
13) Trichlorofluoromethane	4.815	101	53915	0.258	ppbv	98
14) Isopropylalcohol	4.923	45	224640	1.867	ppbv	97
34) Carbon Tetrachloride	7.865	117	14739	0.084	ppbv	96
35) Cyclohexane	7.965	84	20429	0.370	ppbv#	51
48) Toluene	9.501	91	71834	0.345	ppbv	98
52) Tetrachloroethene	10.161	166	5231	0.041	ppbv	91
84) Trichlorofluoromethane...	4.821	101	57604	0.249	ppbv#	100
87) Carbon Tetrachloride(sim)	7.865	117	14739	0.084	ppbv	97
103) Tetrachloroethene(sim)	10.161	166	5231	0.040	ppbv	91

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
Data File : 0601_17.D
Acq On : 1 Jun 2020 6:15 pm
Operator :
Client ID : IA-1
Lab ID : CG03908
ALS Vial : 14 Sample Multiplier: 1

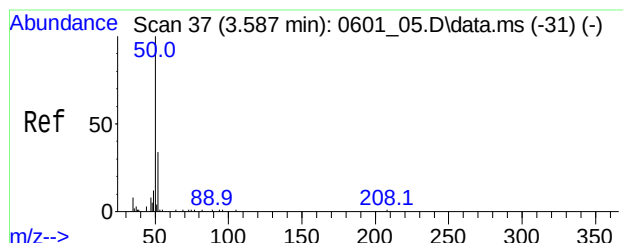
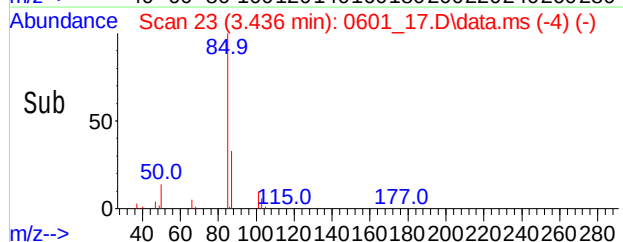
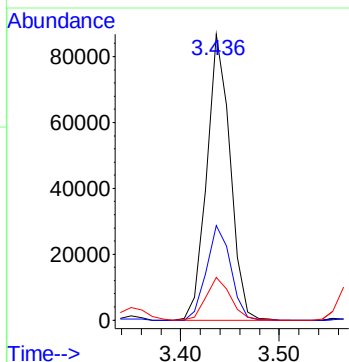
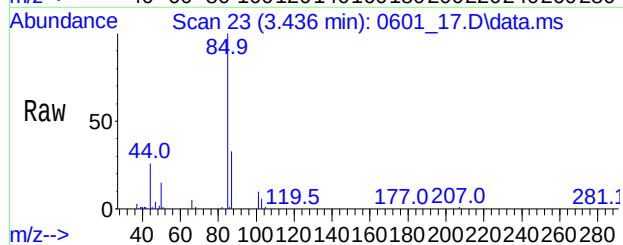
Quant Time: Jun 02 08:20:45 2020
Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Wed May 27 10:44:12 2020
Response via : Initial Calibration





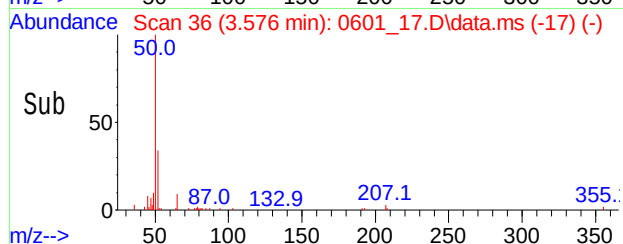
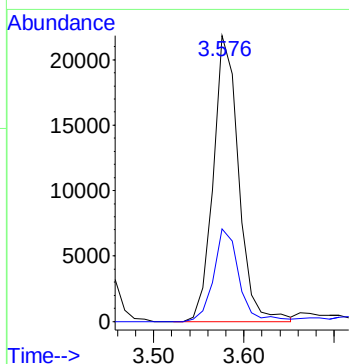
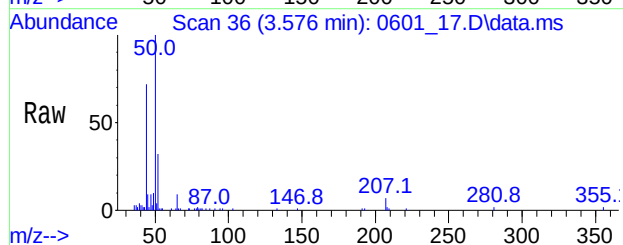
#3
Dichlorodifluoromethane
Conc: 8\$ 0.702 ppbv
RT: 3.436 min Scan# 23
Delta R.T. -0.000 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 6:15 pm

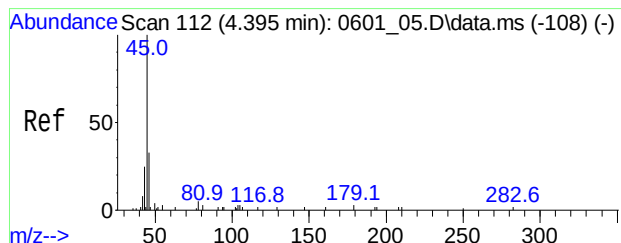
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	142912		
87	34.4	25.7	38.5	
50	15.7	11.0	16.6	



#4
Chloromethane
Conc: 8\$ 0.682 ppbv
RT: 3.576 min Scan# 36
Delta R.T. -0.000 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 6:15 pm

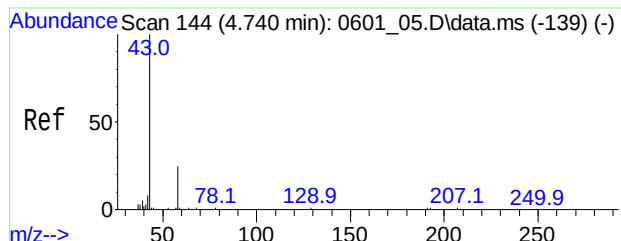
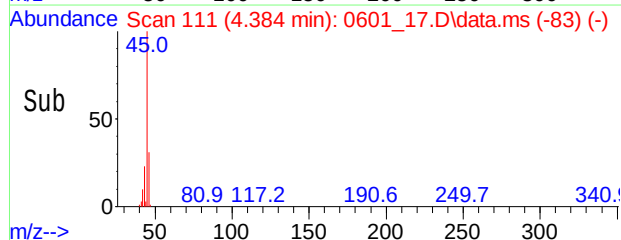
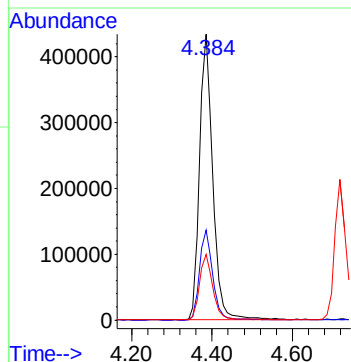
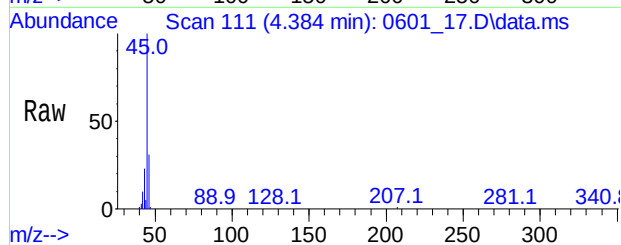
Tgt Ion	Ratio	Resp	Lower	Upper
50	100	42299		
52	32.5	14.0	54.0	





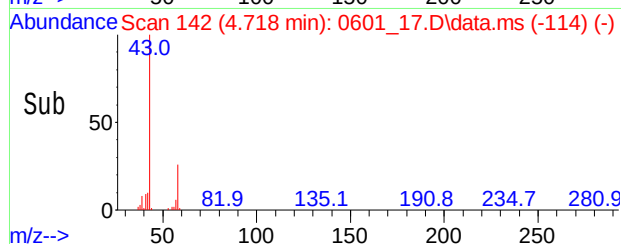
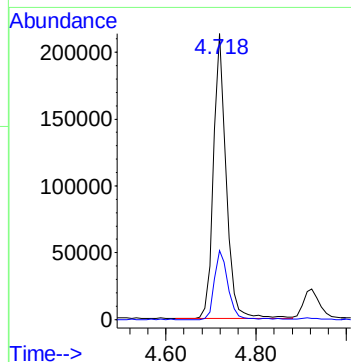
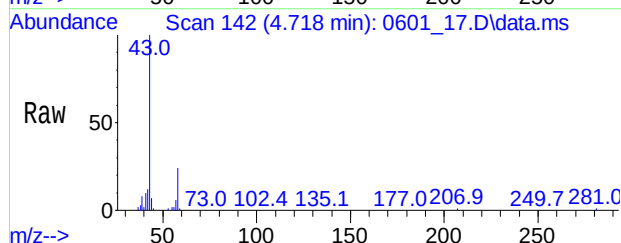
#11
Ethanol
Conc: 8\$ 43.341 ppbv
RT: 4.384 min Scan# 111
Delta R.T. -0.000 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 6:15 pm

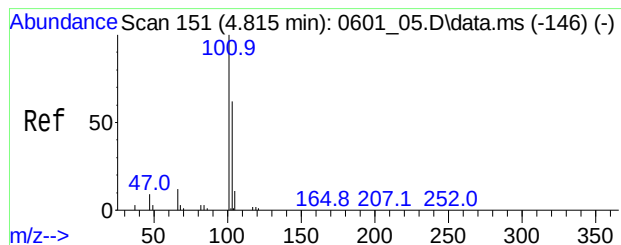
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	996515		
46	31.6	24.6	37.0	
43	23.0	19.3	28.9	



#12
Acetone
Conc: 8\$ 3.882 ppbv
RT: 4.718 min Scan# 142
Delta R.T. -0.000 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 6:15 pm

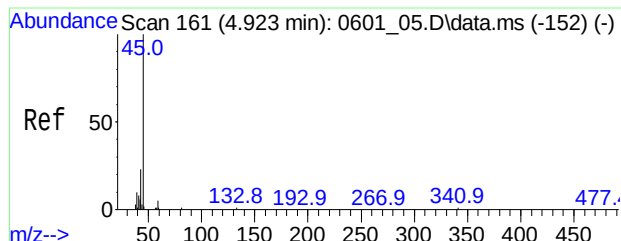
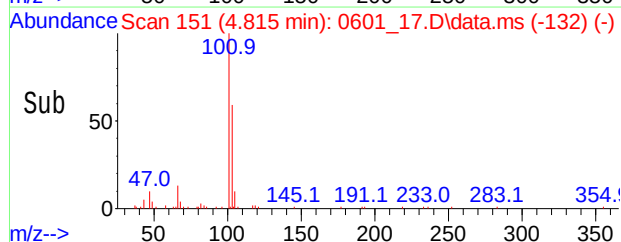
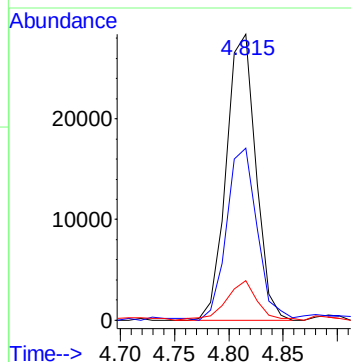
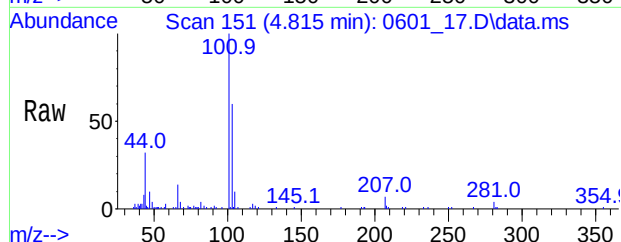
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	422048		
58	25.5	23.8	35.8	





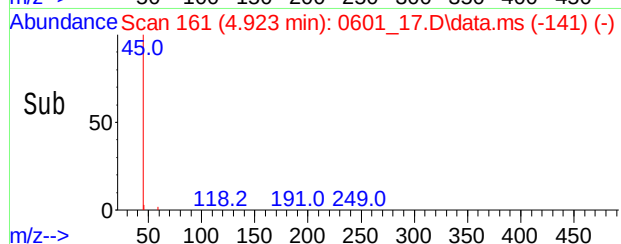
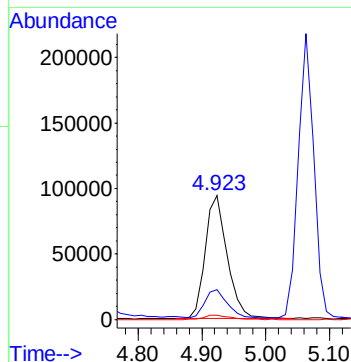
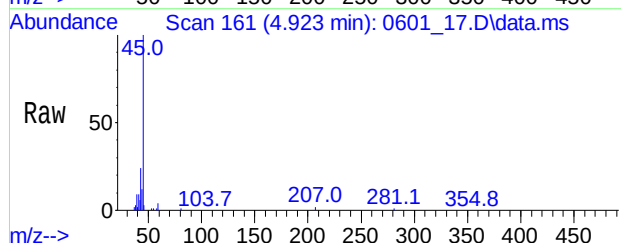
#13
Trichlorofluoromethane
Conc: 8\$ 0.258 ppbv
RT: 4.815 min Scan# 151
Delta R.T. -0.000 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 6:15 pm

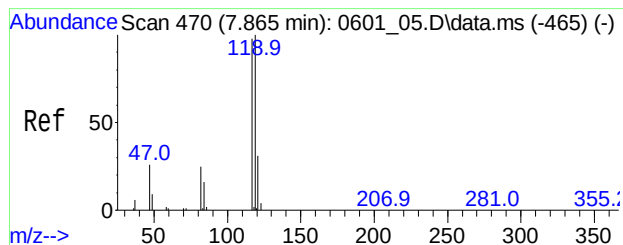
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	53915		
103	62.8	50.9	76.3	
66	14.4	10.0	15.0	



#14
Isopropylalcohol
Conc: 8\$ 1.867 ppbv
RT: 4.923 min Scan# 161
Delta R.T. 0.011 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 6:15 pm

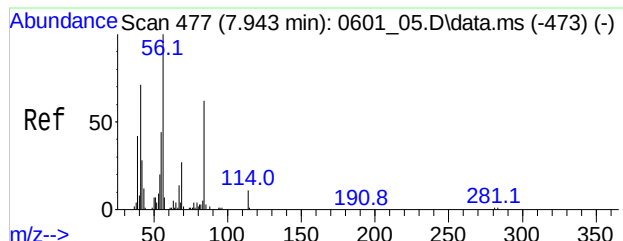
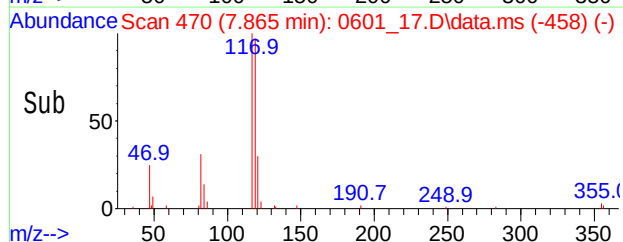
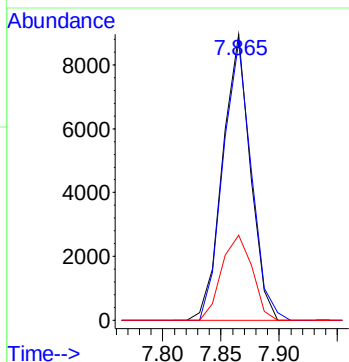
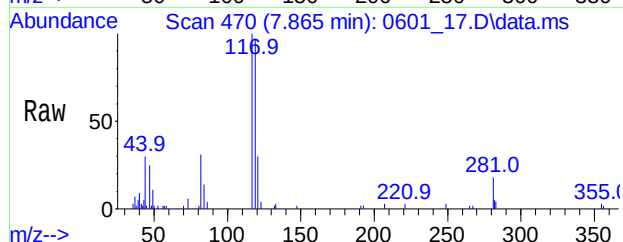
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	224640		
43	23.4	19.9	29.9	
59	4.2	3.6	5.4	





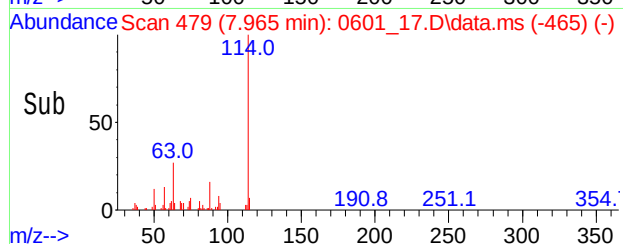
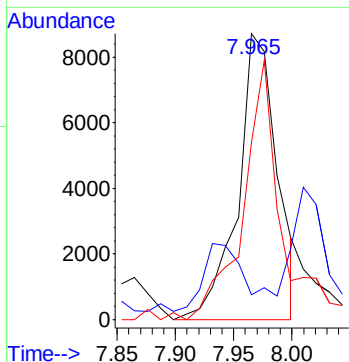
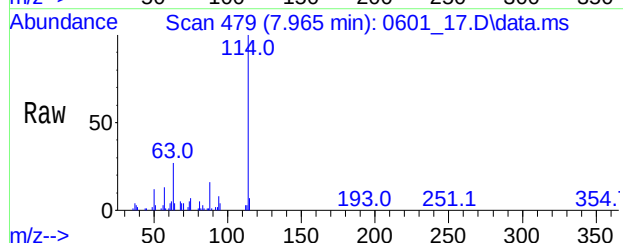
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.865 min Scan# 470
Delta R.T. -0.011 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 6:15 pm

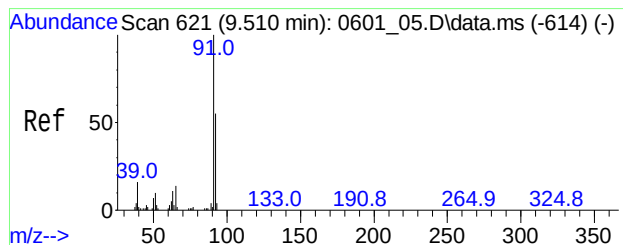
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	14739		
119	99.1	75.6	115.6	
121	32.7	10.3	50.3	



#35
Cyclohexane
Conc: 8\$ 0.370 ppbv
RT: 7.965 min Scan# 479
Delta R.T. 0.011 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 6:15 pm

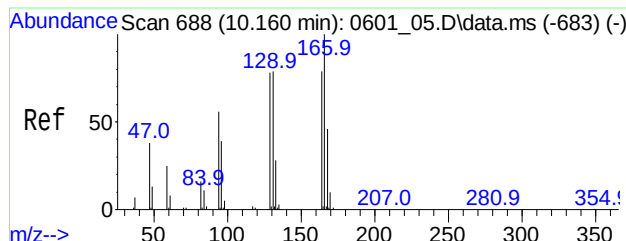
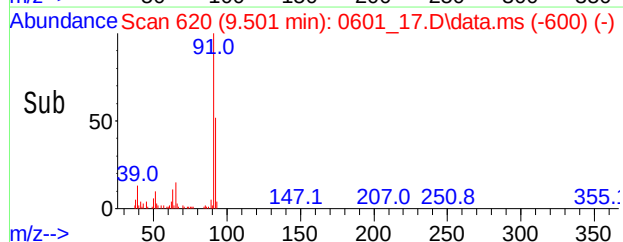
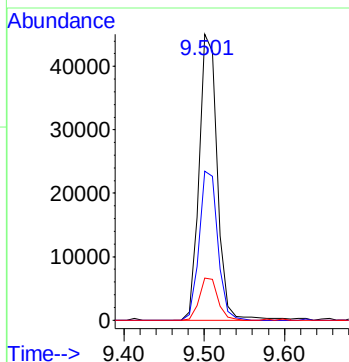
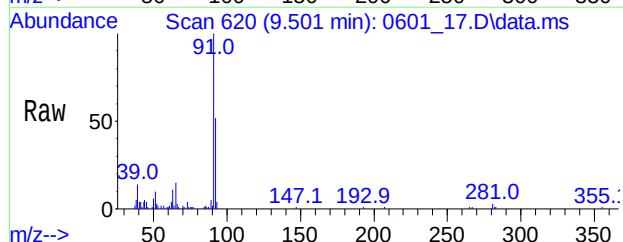
Tgt Ion	Ratio	Resp	Lower	Upper
84	100	20429		
41	27.2	90.3	135.5#	
55	74.8	62.2	93.4	





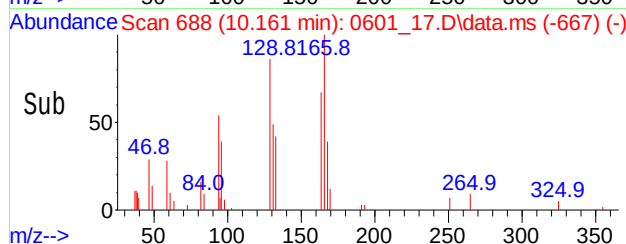
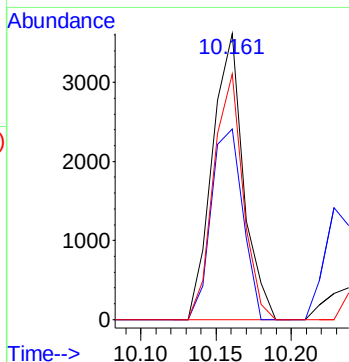
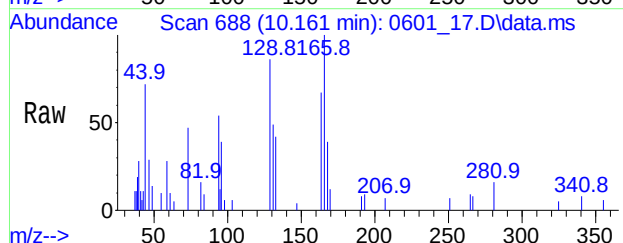
#48
Toluene
Conc: 8\$ 0.345 ppbv
RT: 9.501 min Scan# 620
Delta R.T. -0.010 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 6:15 pm

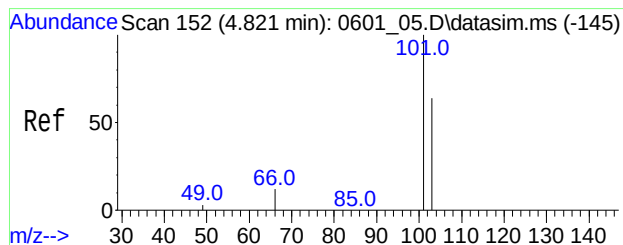
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	71834		
92	53.0	43.6	65.4	
65	14.9	12.2	18.4	



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.161 min Scan# 688
Delta R.T. -0.000 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 6:15 pm

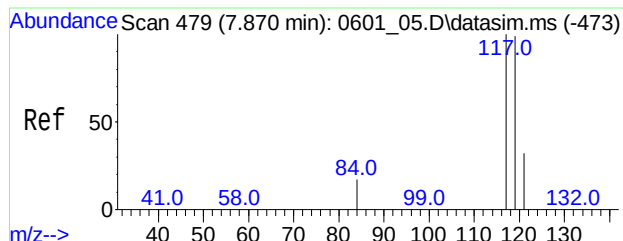
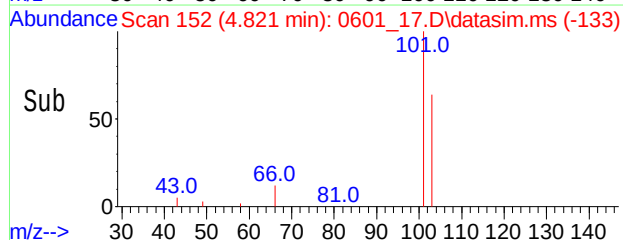
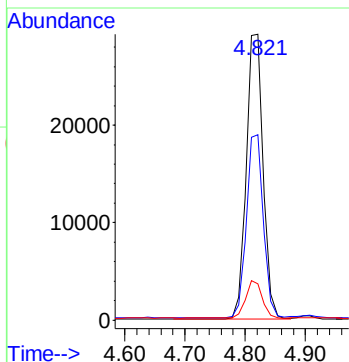
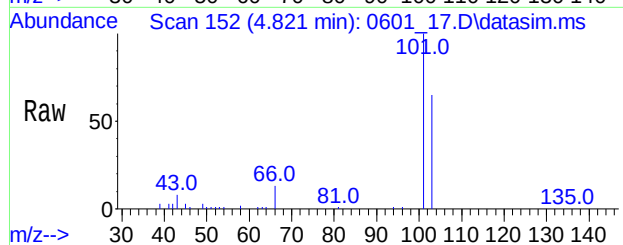
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	5231		
164	67.8	63.3	94.9	
129	81.2	61.2	91.8	





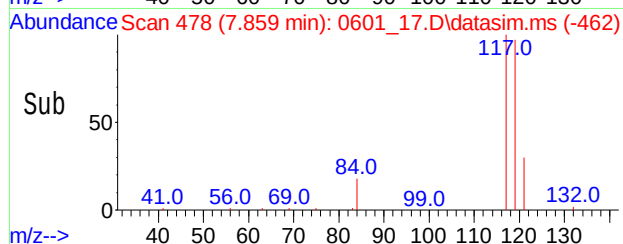
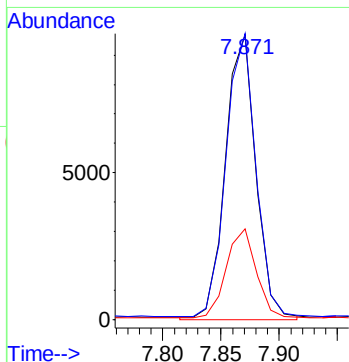
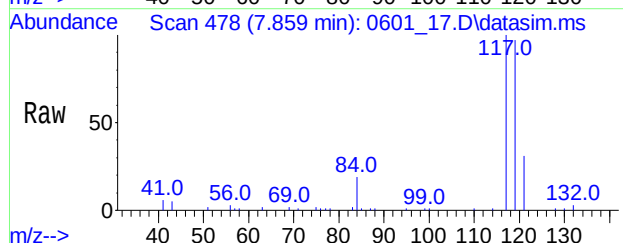
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.249 ppbv
RT: 4.821 min Scan# 152
Delta R.T. -0.000 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 6:15 pm

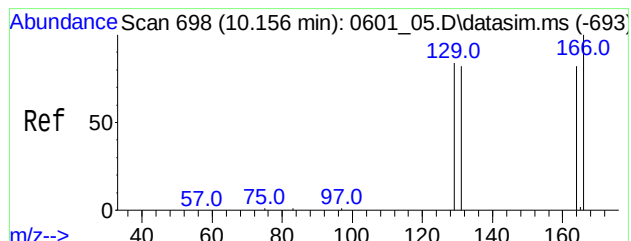
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	57604		
103	64.2	51.2	76.8	
66	12.8	12.8	12.8	



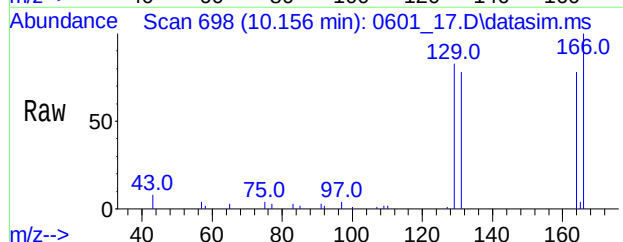
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.084 ppbv
RT: 7.865 min Scan# 478
Delta R.T. -0.011 min
Lab File: 0601_17.D
Acq: 1 Jun 2020 6:15 pm

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	14739		
119	99.1	76.5	114.7	
121	31.5	24.2	36.4	

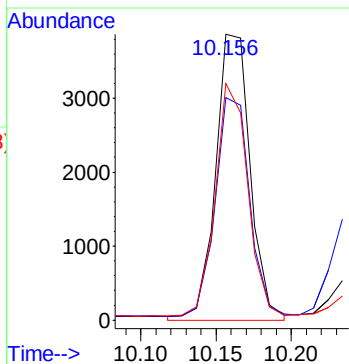
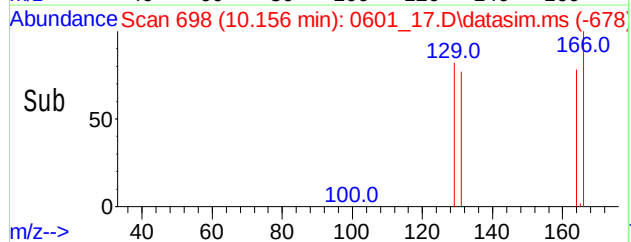




#103
 Tetrachloroethene(sim)
 Conc: 8\$ 0.040 ppbv
 RT: 10.161 min Scan# 698
 Delta R.T. -0.000 min
 Lab File: 0601_17.D
 Acq: 1 Jun 2020 6:15 pm



Tgt Ion:	166	Resp:	5231
Ion Ratio	Lower	Upper	
166	100		
164	67.8	59.1	99.1
129	81.2	56.6	96.6



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

IA-5

SDG No.: GCG03886

Lab Sample ID: CG03909

Canister: 28560

Lab File ID: 0601_18.D

Instrument: CHEM20 Column: RTX-1 60M

Date Received: 06/01/20

Purge Volume 200 (cc)

Date Analyzed: 06/01/20

Matrix: AIR

Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.649		0.202	0.202	r
74-87-3	Chloromethane	0.642		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	46.6	ES	0.531	0.531	r
67-64-1	Acetone	4.21	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.242		0.178	0.178	r
67-63-0	Isopropylalcohol	2.39	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.398	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.477		0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.295		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.974		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
179601-23-1	m,p-Xylene	0.551		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03909

Canister: 28560 Lab File ID: 0601_18.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

IA-5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.086		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_18.D
 Acq On : 1 Jun 2020 6:56 pm
 Operator :
 Client ID : IA-5
 Lab ID : CG03909
 ALS Vial : 15 Sample Multiplier: 1

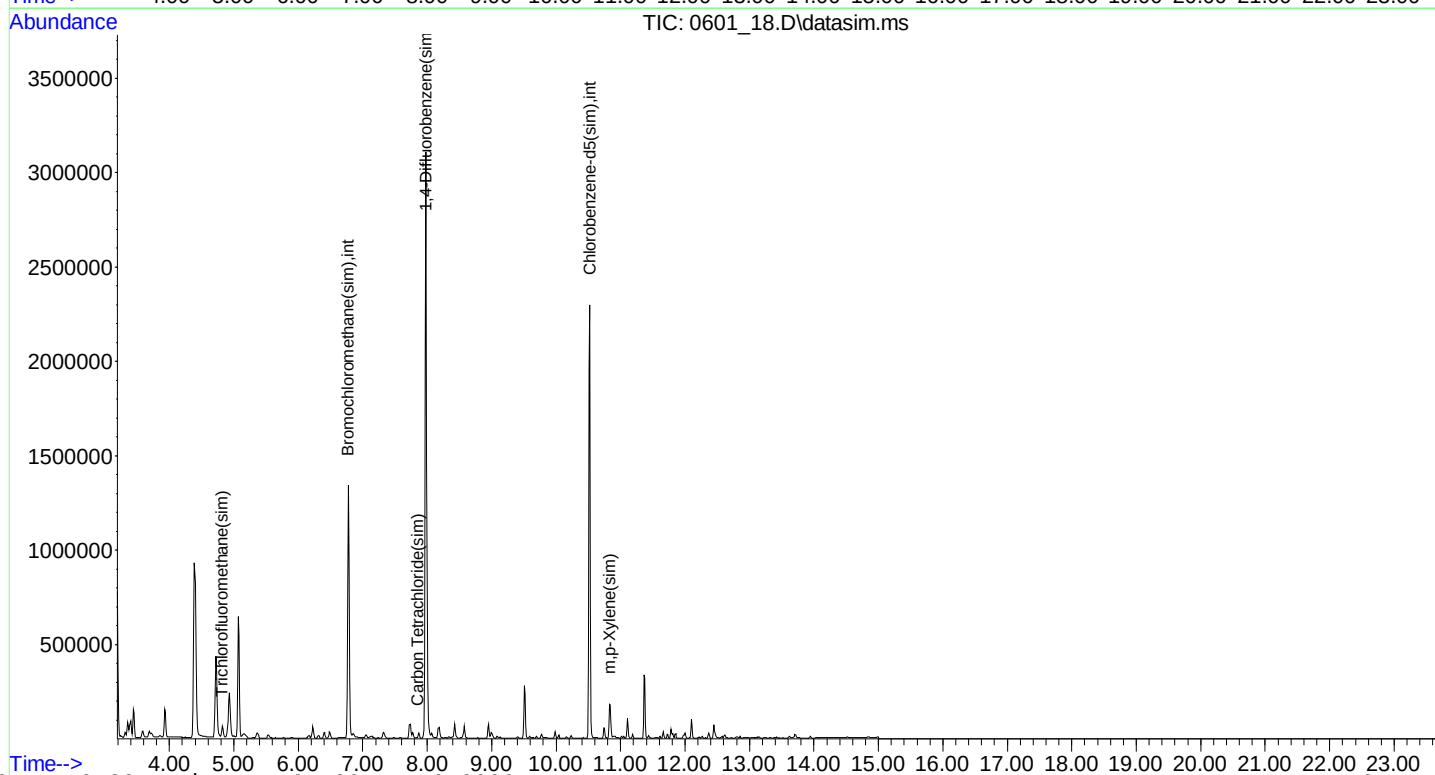
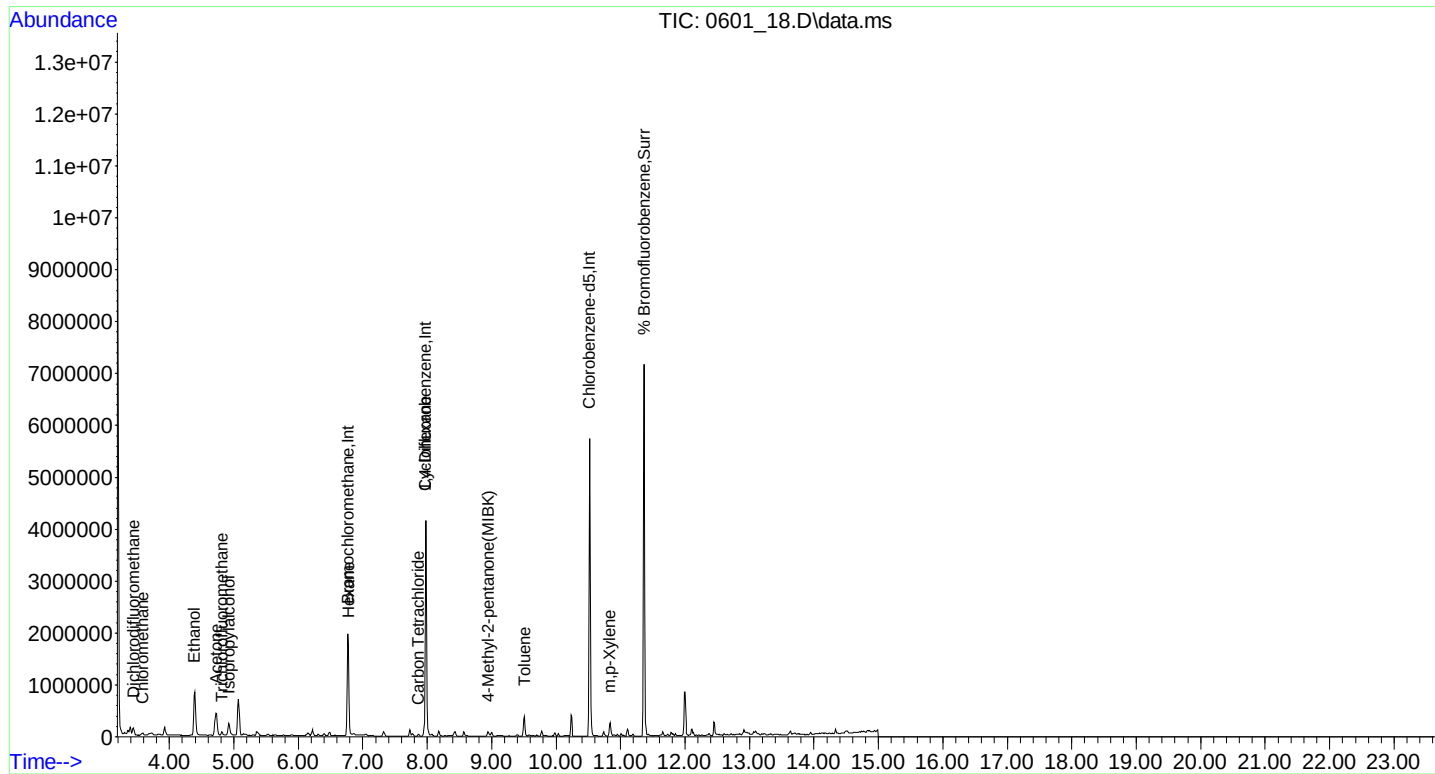
Quant Time: Jun 02 08:21:37 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

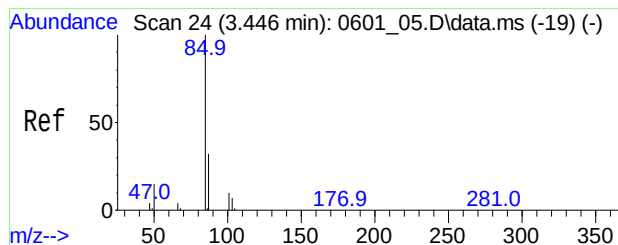
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	618333	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.976	114	2397551	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1327953	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.775	130	661090	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2751907	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1474762	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1790877	9.370	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	93.70%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.447	85	138865	0.649	ppbv	100
4) Chloromethane	3.587	50	41836	0.642	ppbv	100
11) Ethanol	4.395	45	1126879	46.629	ppbv	99
12) Acetone	4.729	43	480496	4.204	ppbv	90
13) Trichlorofluoromethane	4.815	101	53241	0.242	ppbv#	93
14) Isopropylalcohol	4.923	45	302376	2.391	ppbv	100
27) Hexane	6.780	57	39093	0.398	ppbv	94
34) Carbon Tetrachloride	7.865	117	16165	0.088	ppbv	99
35) Cyclohexane	7.976	84	27686	0.477	ppbv#	58
45) 4-Methyl-2-pentanone(M...)	8.945	43	57031	0.295	ppbv#	87
48) Toluene	9.510	91	215055	0.974	ppbv	99
57) m,p-Xylene	10.836	91	126568	0.551	ppbv	94
61) o-Xylene	11.102	91	58323	0.227	ppbv	96
84) Trichlorofluoromethane...	4.821	101	57181	0.233	ppbv#	100
87) Carbon Tetrachloride(sim)	7.865	117	16165	0.086	ppbv	99
106) m,p-Xylene(sim)	10.831	91	145692	0.626	ppbv	98

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
Data File : 0601_18.D
Acq On : 1 Jun 2020 6:56 pm
Operator :
Client ID : IA-5
Lab ID : CG03909
ALS Vial : 15 Sample Multiplier: 1

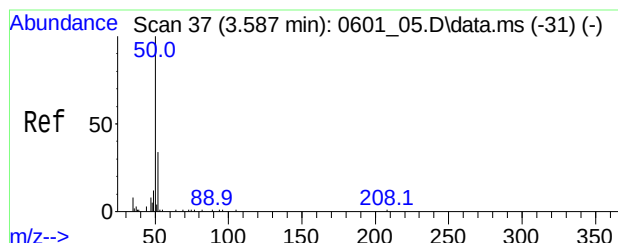
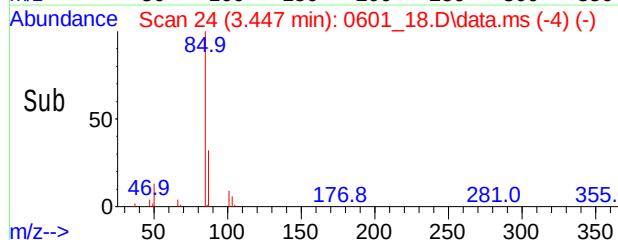
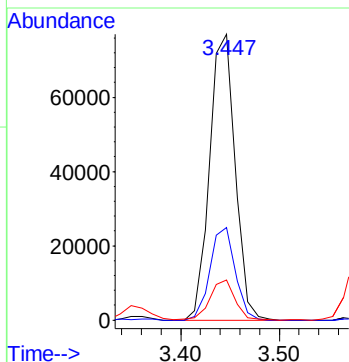
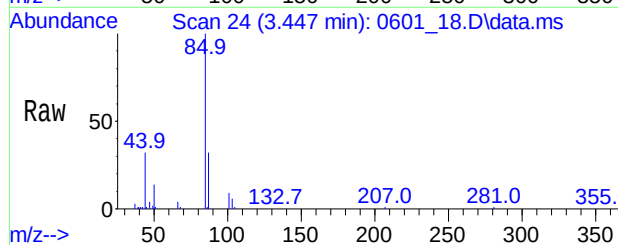
Quant Time: Jun 02 08:21:37 2020
Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Wed May 27 10:44:12 2020
Response via : Initial Calibration





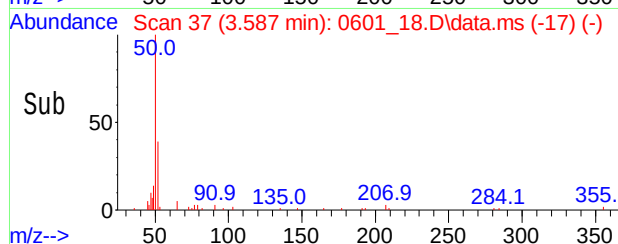
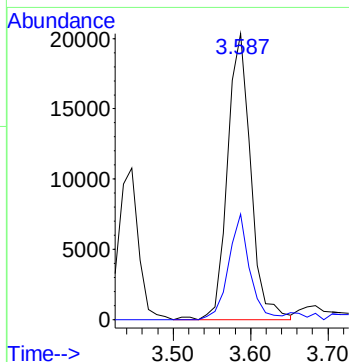
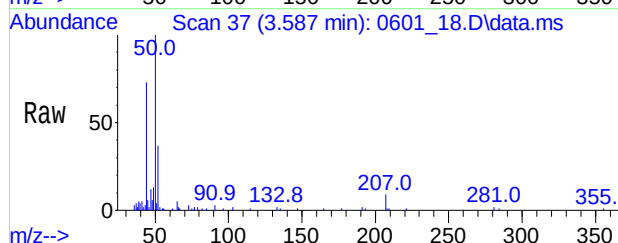
#3
Dichlorodifluoromethane
Conc: 8\$ 0.649 ppbv
RT: 3.447 min Scan# 24
Delta R.T. 0.011 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

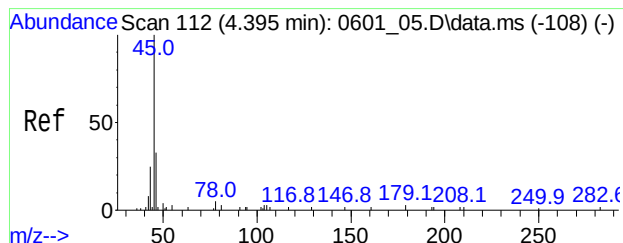
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	138865		
87	32.0	25.7	38.5	
50	14.0	11.0	16.6	



#4
Chloromethane
Conc: 8\$ 0.642 ppbv
RT: 3.587 min Scan# 37
Delta R.T. 0.011 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

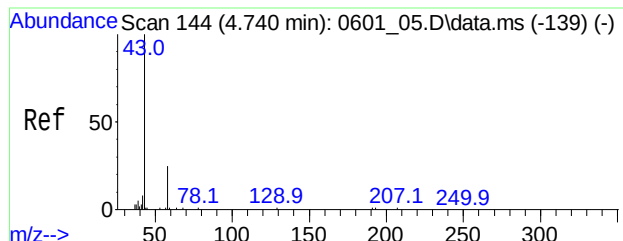
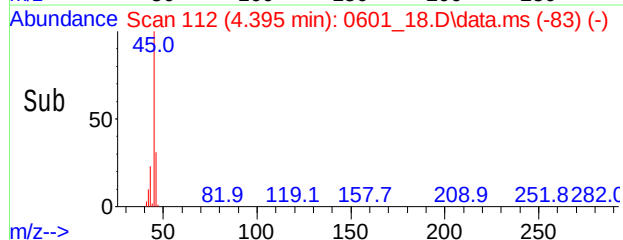
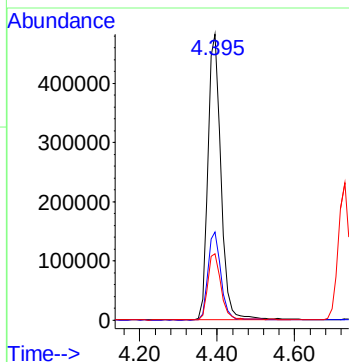
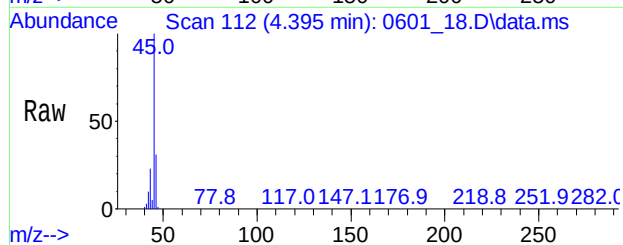
Tgt Ion	Ratio	Resp	Lower	Upper
50	100	41836		
52	33.9	14.0	54.0	





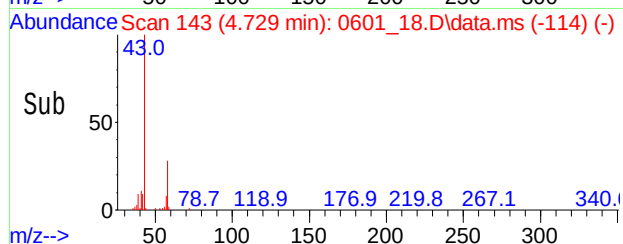
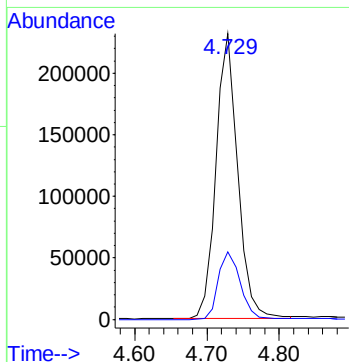
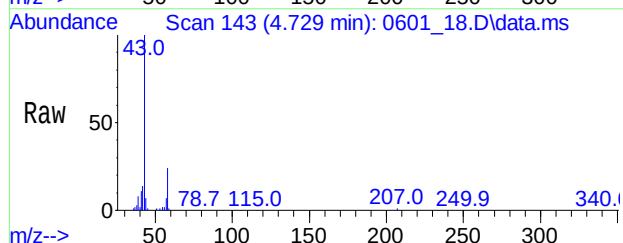
#11
Ethanol
Conc: 8\$ 46.629 ppbv
RT: 4.395 min Scan# 112
Delta R.T. 0.011 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

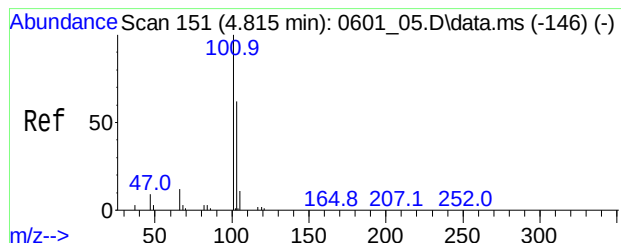
Tgt Ion: 45 Resp: 1126879
Ion Ratio Lower Upper
45 100
46 31.0 24.6 37.0
43 23.4 19.3 28.9



#12
Acetone
Conc: 8\$ 4.204 ppbv
RT: 4.729 min Scan# 143
Delta R.T. 0.011 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

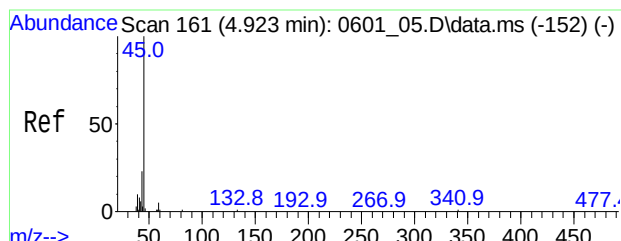
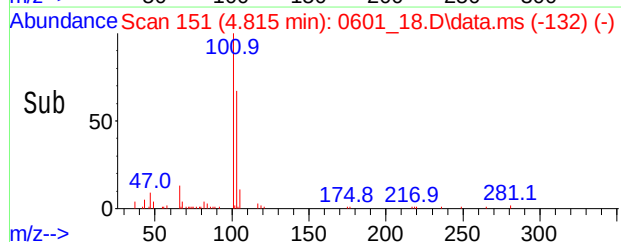
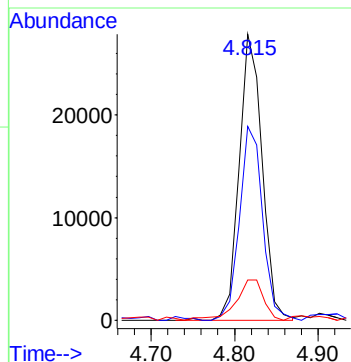
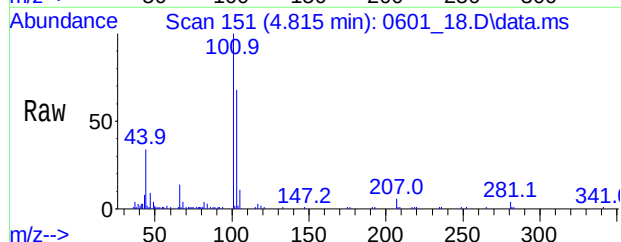
Tgt Ion: 43 Resp: 480496
Ion Ratio Lower Upper
43 100
58 24.5 23.8 35.8





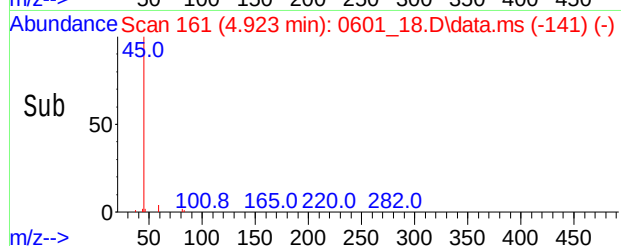
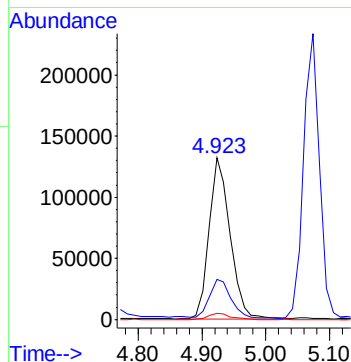
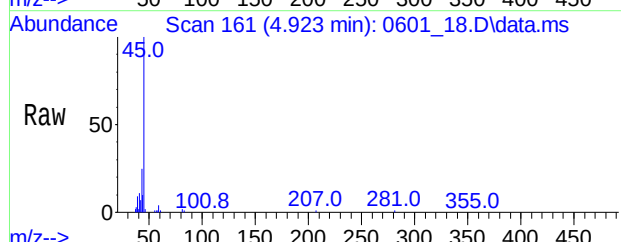
#13
Trichlorofluoromethane
Conc: 8\$ 0.242 ppbv
RT: 4.815 min Scan# 151
Delta R.T. -0.000 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

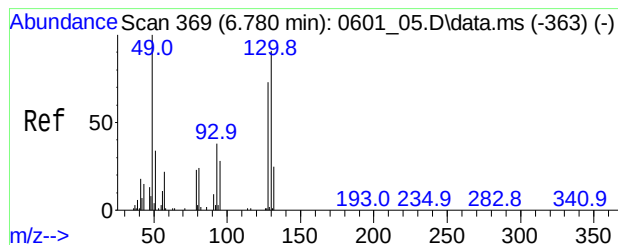
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	53241		
103	68.2	50.9	76.3	
66	16.9	10.0	15.0	



#14
Isopropylalcohol
Conc: 8\$ 2.391 ppbv
RT: 4.923 min Scan# 161
Delta R.T. 0.011 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

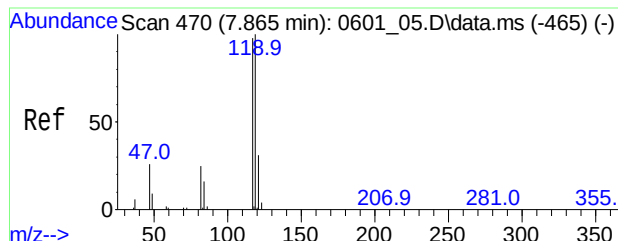
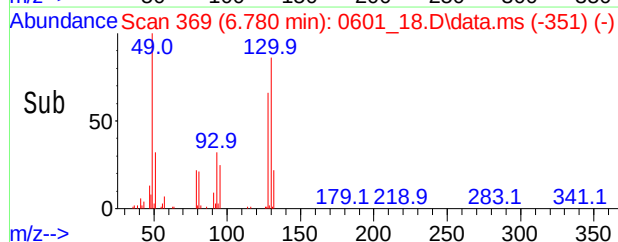
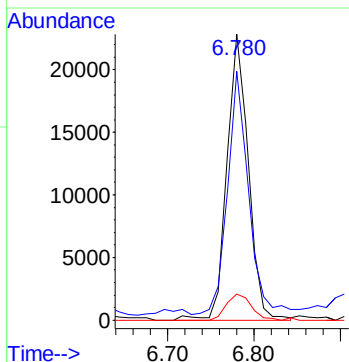
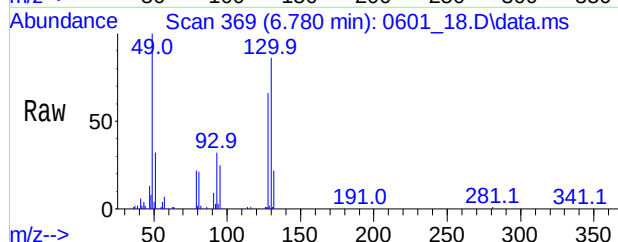
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	302376		
43	24.8	19.9	29.9	
59	4.1	3.6	5.4	





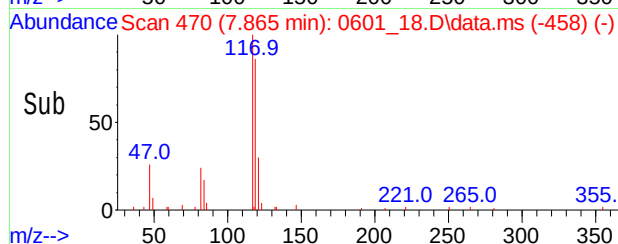
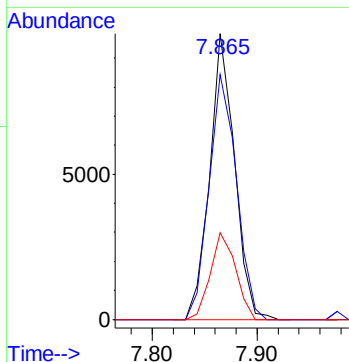
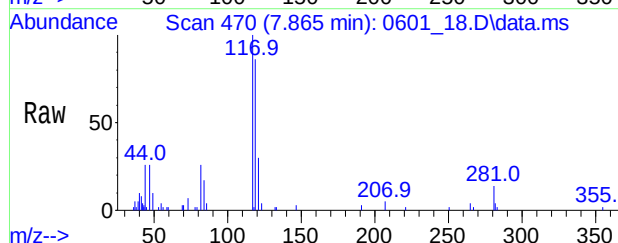
#27
Hexane
Conc: 8\$ 0.398 ppbv
RT: 6.780 min Scan# 369
Delta R.T. -0.000 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

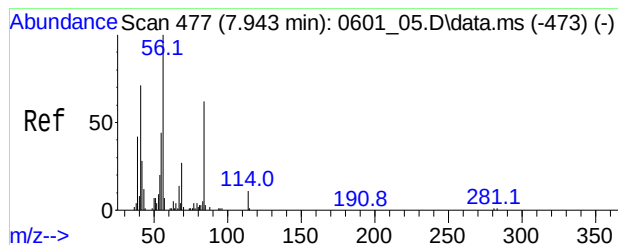
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	39093		
41	83.9	62.6		93.8
86	10.6	8.1		12.1



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.865 min Scan# 470
Delta R.T. -0.011 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

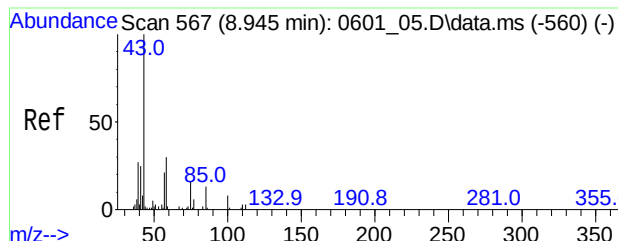
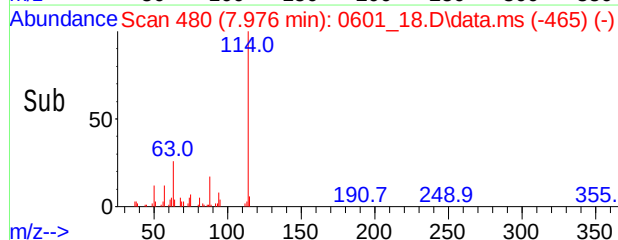
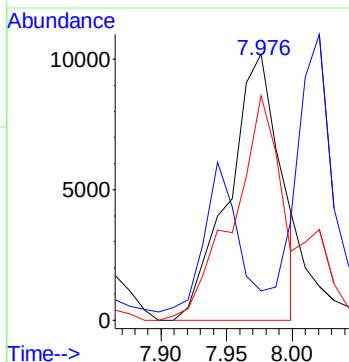
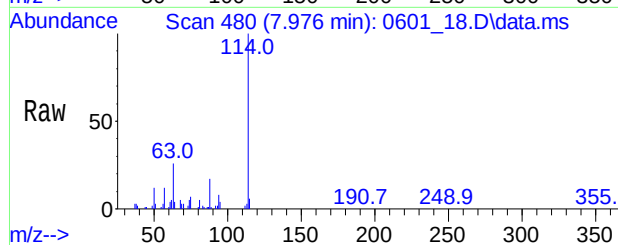
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	16165		
119	94.2	75.6		115.6
121	30.7	10.3		50.3





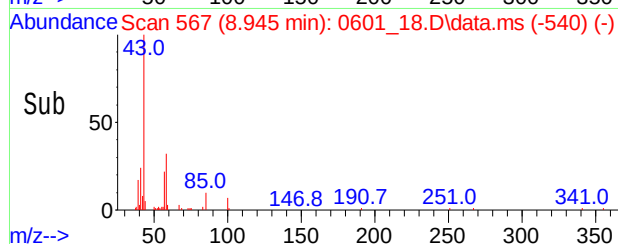
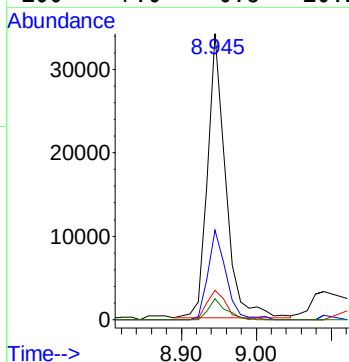
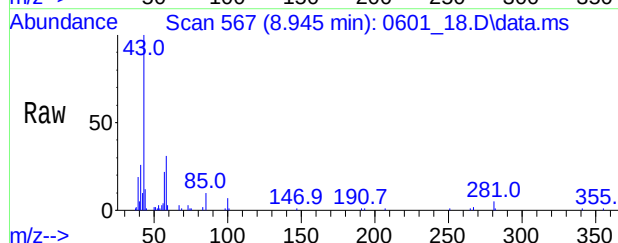
#35
Cyclohexane
Conc: 8\$ 0.477 ppbv
RT: 7.976 min Scan# 480
Delta R.T. 0.022 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

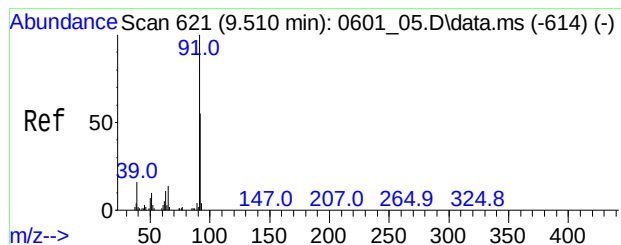
Tgt Ion	Ratio	Resp	Lower	Upper
84	100	27686		
41	36.7	90.3	135.5#	
55	78.1	62.2	93.4	



#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 0.295 ppbv
RT: 8.945 min Scan# 567
Delta R.T. -0.000 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

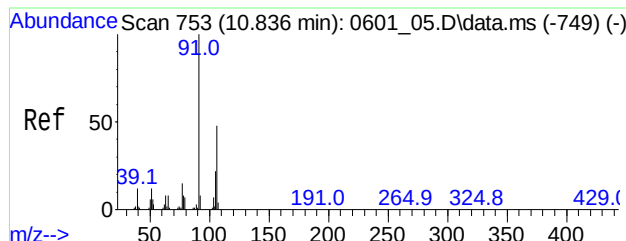
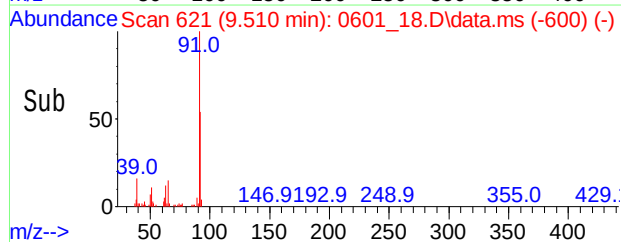
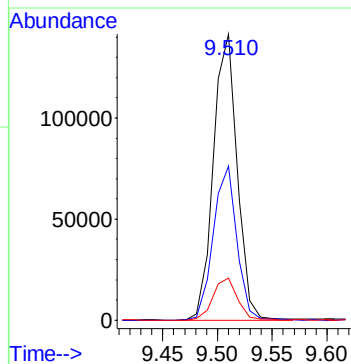
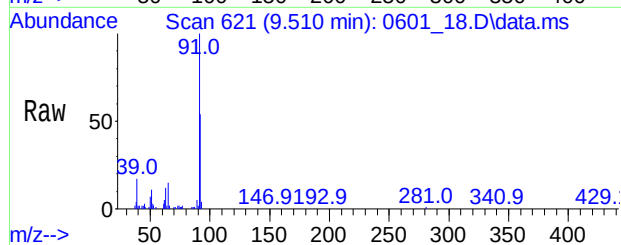
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	57031		
58	31.3	32.2	48.2#	
85	10.8	13.3	19.9#	
100	7.0	6.8	10.2	





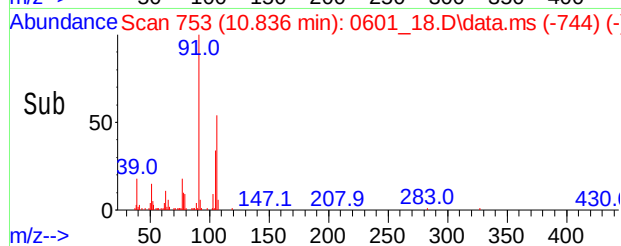
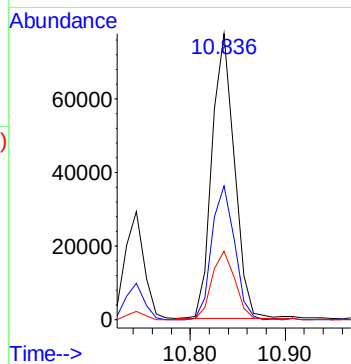
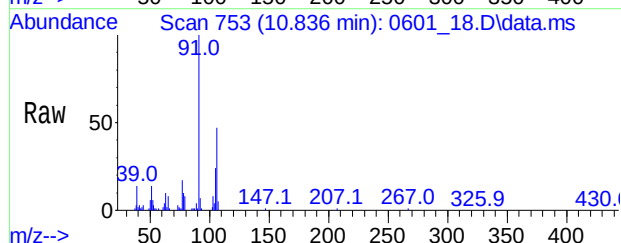
#48
Toluene
Conc: 8\$ 0.974 ppbv
RT: 9.510 min Scan# 621
Delta R.T. -0.000 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

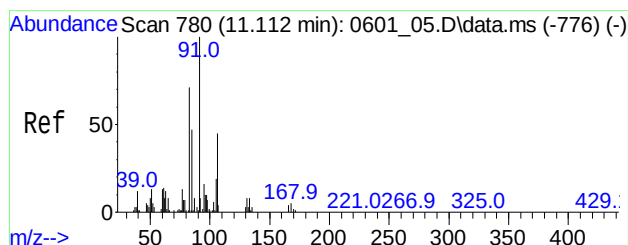
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	215055		
92	53.3	43.6	65.4	
65	15.1	12.2	18.4	



#57
m,p-Xylene
Conc: 8\$ 0.551 ppbv
RT: 10.836 min Scan# 753
Delta R.T. -0.010 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

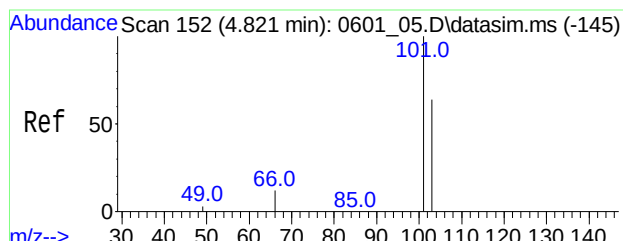
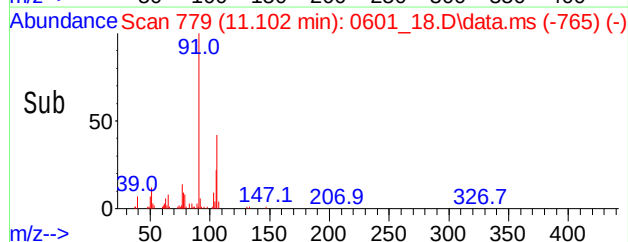
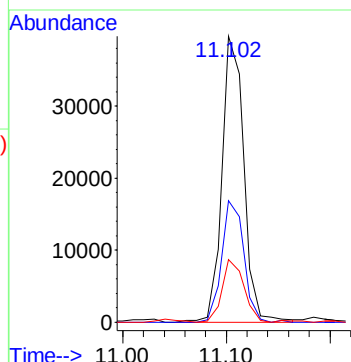
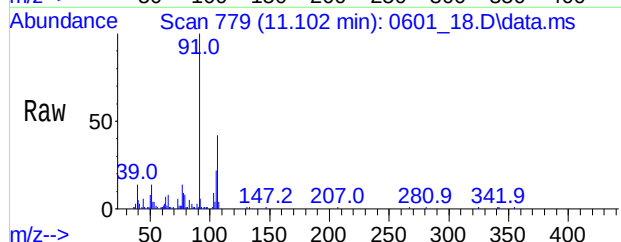
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	126568		
106	47.7	35.6	53.4	
105	24.9	17.1	25.7	





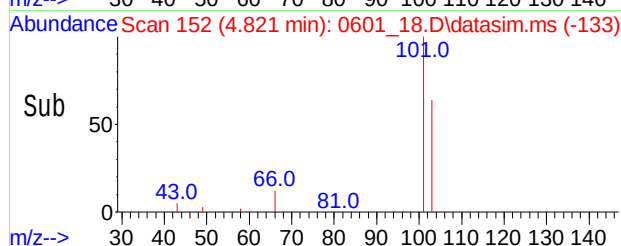
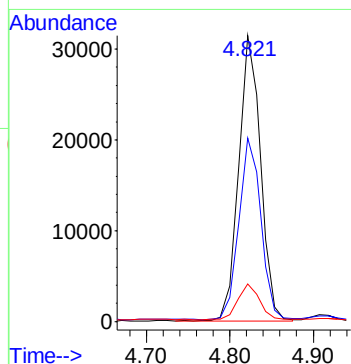
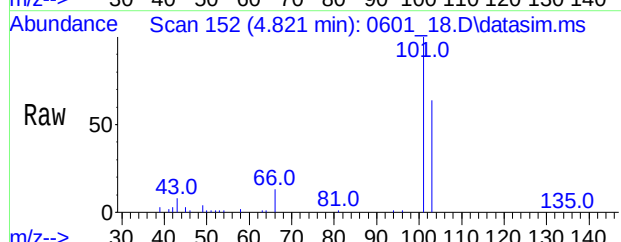
#61
o-Xylene
Conc: 8\$ 0.227 ppbv
RT: 11.102 min Scan# 779
Delta R.T. -0.010 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

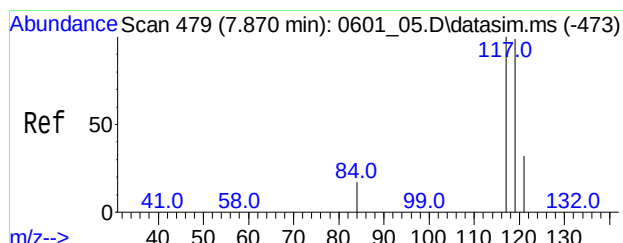
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	58323		
106	43.1	33.4	50.0	
105	21.8	14.7	22.1	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.233 ppbv
RT: 4.821 min Scan# 152
Delta R.T. -0.000 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

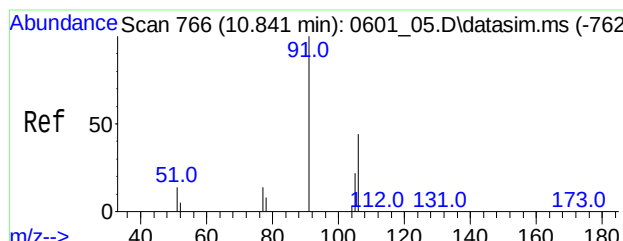
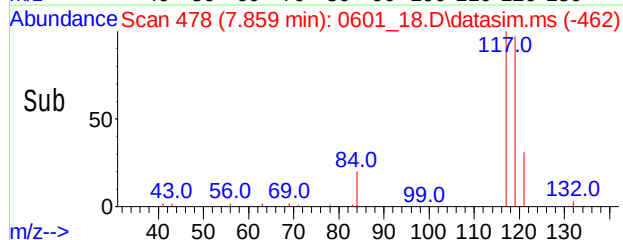
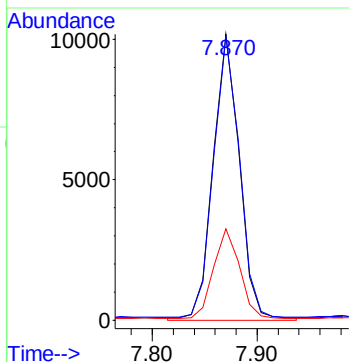
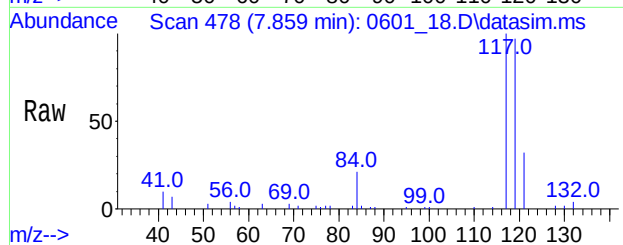
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	57181		
103	64.2	51.2	76.8	
66	12.5	12.8	12.8#	





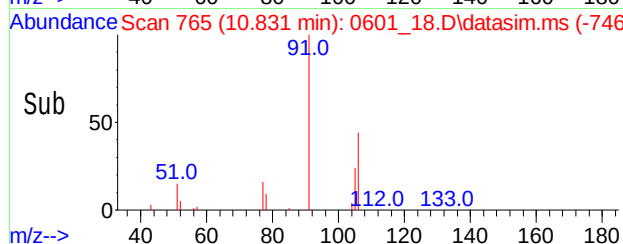
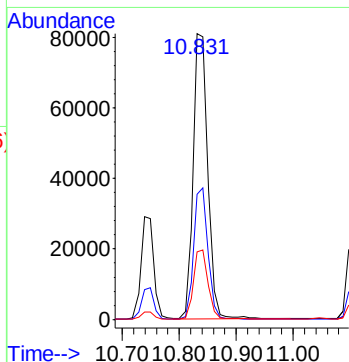
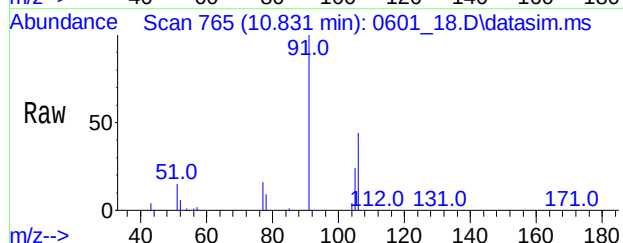
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.086 ppbv
RT: 7.865 min Scan# 478
Delta R.T. -0.011 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

Tgt Ion: 117 Resp: 16165
Ion Ratio Lower Upper
117 100
119 94.2 76.5 114.7
121 30.7 24.2 36.4



#106
m,p-Xylene(sim)
Conc: 8\$ 0.626 ppbv
RT: 10.831 min Scan# 765
Delta R.T. -0.010 min
Lab File: 0601_18.D
Acq: 1 Jun 2020 6:56 pm

Tgt Ion: 91 Resp: 145692
Ion Ratio Lower Upper
91 100
106 45.0 40.1 49.0
105 24.3 17.3 25.9



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	BLOWER-2
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03910</u>	
Canister:	<u>466</u>	Lab File ID:	<u>0601_07.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>	Date Received:
				<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.441		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	14.9	S	0.531	0.531	r
67-64-1	Acetone	78.4	ES	0.421	0.421	
75-69-4	Trichlorofluoromethane	0.500		0.178	0.178	r
67-63-0	Isopropylalcohol	2.63	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
75-34-3	1,1-Dichloroethane	1.29		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	1.35		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	5.68		0.051	0.051	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
67-66-3	Chloroform	2.73		0.205	0.205	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-55-6	1,1,1-Trichloroethane	1.95		0.183	0.183	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride	1.07		0.032	0.032	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
79-01-6	Trichloroethene	19.6		0.037	0.037	r
142-82-5	Heptane	0.450		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.774		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.460		0.244	0.244	r
127-18-4	Tetrachloroethene	0.864		0.037	0.037	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.277		0.230	0.230	r
179601-23-1	m,p-Xylene	0.567		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03910</u>
Canister:	<u>466</u>	Lab File ID:	<u>0601_07.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>06/01/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.094		0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-35-4	1,1-Dichloroethene(sim)	0.137		0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
79-34-5	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_07.D
 Acq On : 1 Jun 2020 9:28 am
 Operator : Keith
 Client ID : BLOWER-2
 Lab ID : CG03910
 ALS Vial : 137 Sample Multiplier: 1

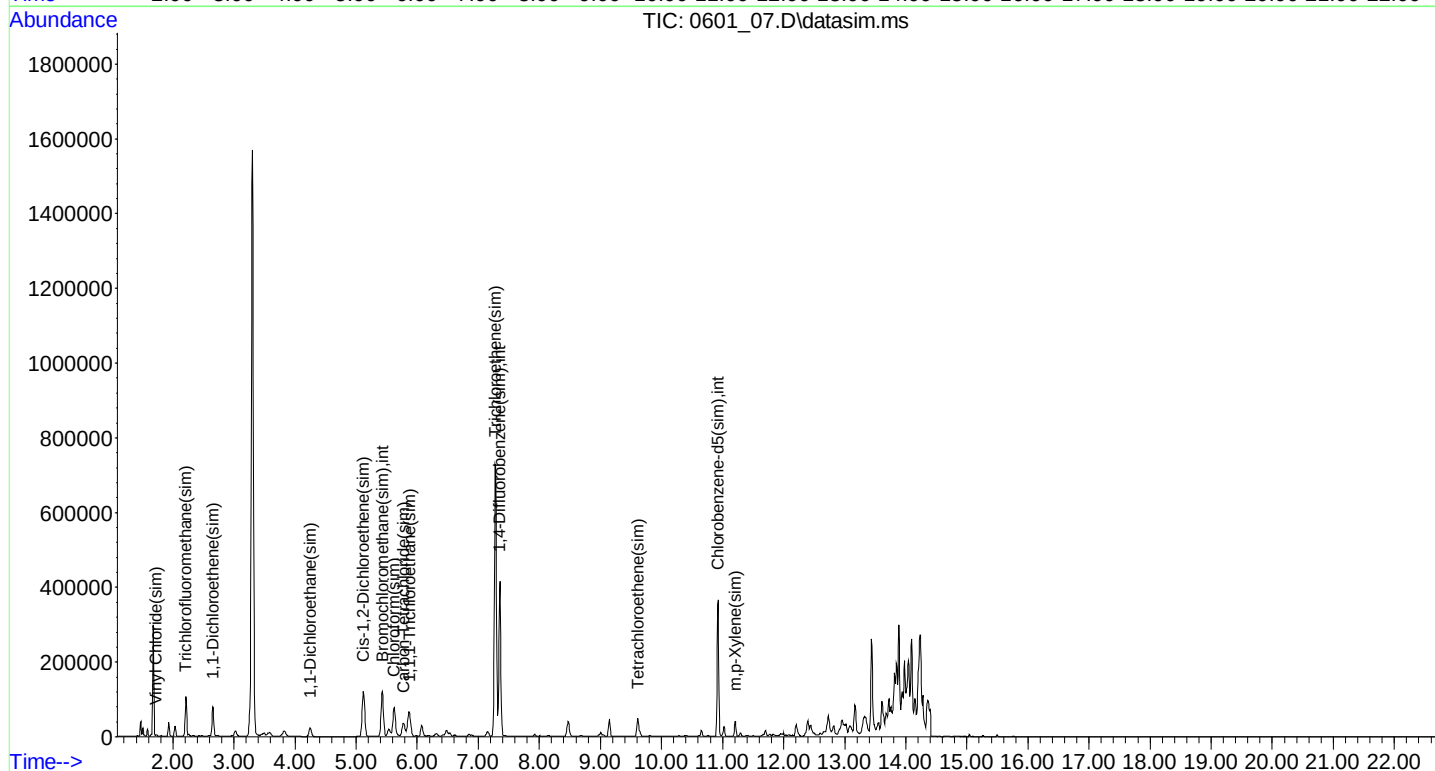
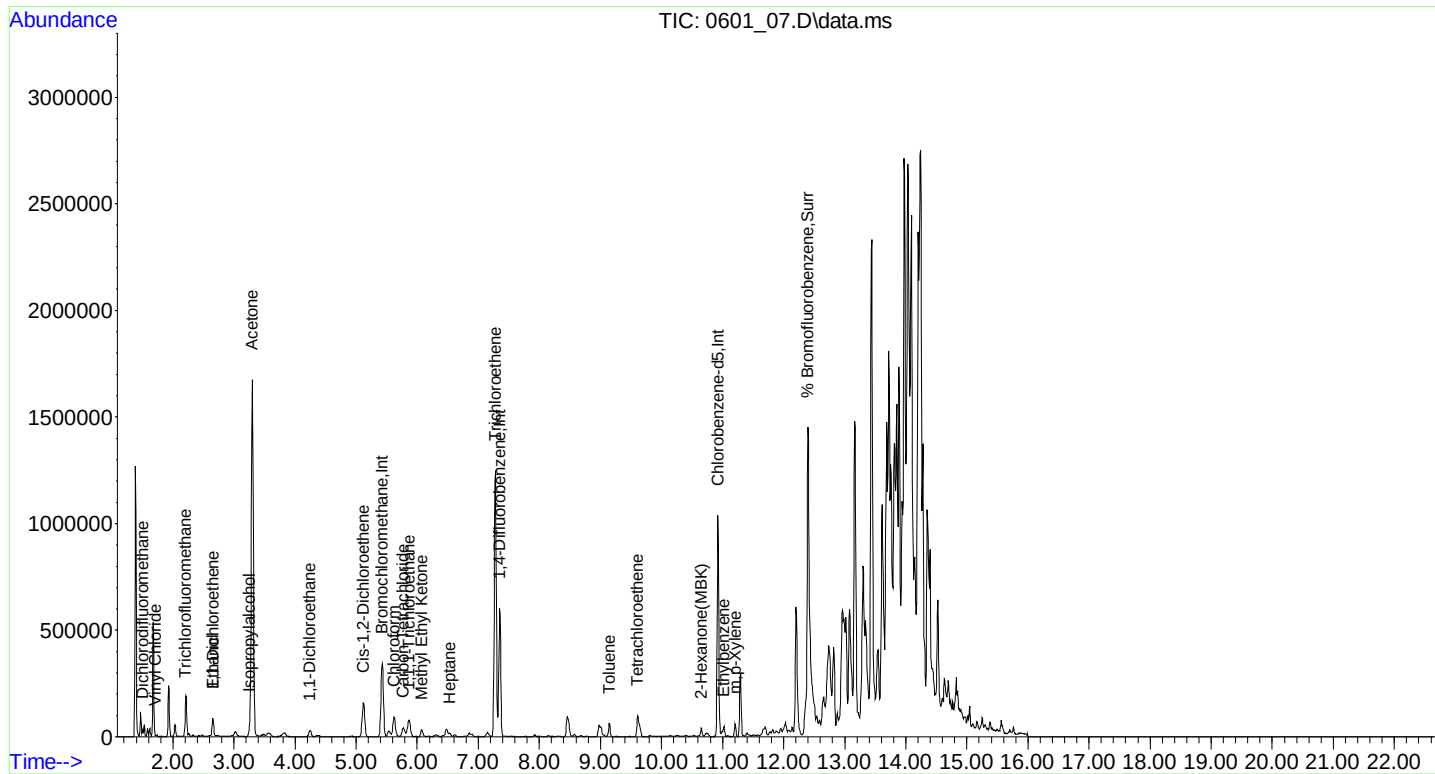
Quant Time: Jun 01 11:18:00 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

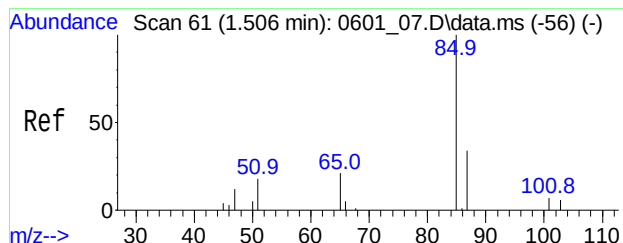
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	168807	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.350	114	583366	10.000	ng	0.00
53) Chlorobenzene-d5	10.925	82	325783	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	167083	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.353	114	626771	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	343835	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.398	95	438819	9.936	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.40%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.506	85	15820	0.441	ppbv	99
6) Vinyl Chloride	1.718	62	1720	0.100	ppbv#	1
10) Ethanol	2.656	45	85611	14.856	ppbv#	76
12) Acetone	3.299	43	2499831	78.425	ppbv#	75
13) Trichlorofluoromethane	2.204	101	21325	0.500	ppbv	94
14) Isopropylalcohol	3.258	45	83306	2.632	ppbv#	1
16) 1,1-Dichloroethene	2.656	61	3714	0.146	ppbv	93
23) 1,1-Dichloroethane	4.242	63	43346	1.287	ppbv	95
25) Methyl Ethyl Ketone	6.076	43	50537	1.345	ppbv#	85
26) Cis-1,2-Dichloroethene	5.117	61	151205	5.675	ppbv	95
28) Chloroform	5.622	83	111686	2.727	ppbv	93
32) 1,1,1-Trichloroethane	5.867	97	74939	1.952	ppbv#	88
34) Carbon Tetrachloride	5.773	117	41835	1.067	ppbv	96
39) Trichloroethene	7.281	130	484837	19.579	ppbv	100
43) Heptane	6.535	43	14095	0.450	ppbv	92
48) Toluene	9.148	91	50588	0.774	ppbv	97
50) 2-Hexanone(MBK)	10.657	43	19639m	0.460	ppbv#	77
52) Tetrachloroethene	9.610	166	26846	0.864	ppbv	97
56) Ethylbenzene	11.021	91	23454	0.277	ppbv	97
57) m,p-Xylene	11.206	91	36773	0.567	ppbv	99
82) Vinyl Chloride(sim)	1.721	62	1778	0.094	ppbv#	1
84) Trichlorofluoromethane...	2.207	101	21854	0.462	ppbv	99
85) 1,1,1-Trichloroethane(...)	5.867	97	74939	1.877	ppbv#	88
86) Carbon Tetrachloride(sim)	5.776	117	42609	1.103	ppbv	99
87) 1,1-Dichloroethene(sim)	2.656	61	3714	0.137	ppbv	93
90) 1,1-Dichloroethane(sim)	4.250	63	45566	1.266	ppbv	100
91) Cis-1,2-Dichloroethene...	5.117	61	151205	5.542	ppbv	95
92) Chloroform(sim)	5.625	83	115941	2.701	ppbv	97
97) Trichloroethene(sim)	7.281	130	484553	19.172	ppbv	98
103) Tetrachloroethene(sim)	9.610	166	26751	0.861	ppbv	97
107) m,p-Xylene(sim)	11.206	91	36773	0.534	ppbv	98

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_07.D
Acq On : 1 Jun 2020 9:28 am
Operator : Keith
Client ID : BLOWER-2
Lab ID : CG03910
ALS Vial : 137 Sample Multiplier: 1

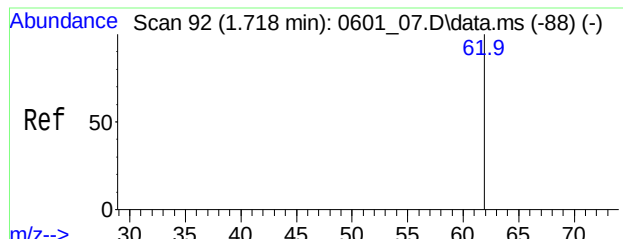
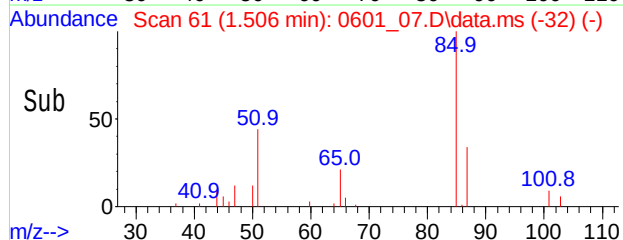
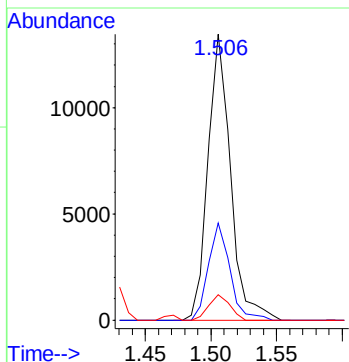
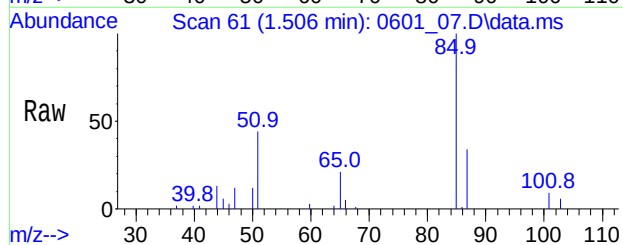
Quant Time: Jun 01 11:18:00 2020
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Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





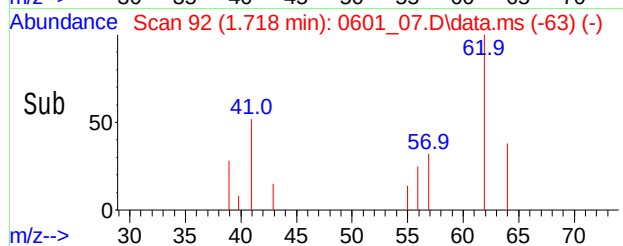
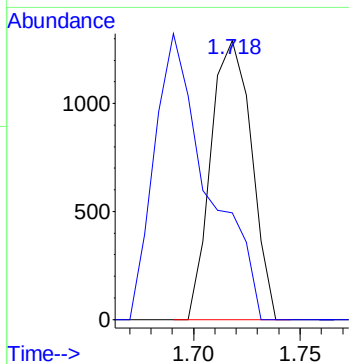
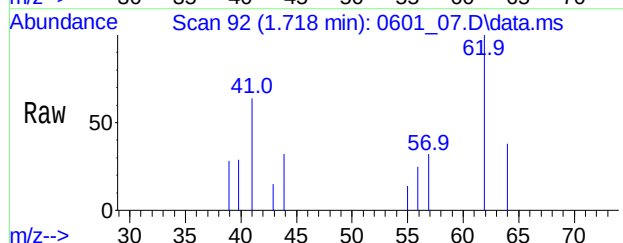
#3
Dichlorodifluoromethane
Conc: 8\$ 0.441 ppbv
RT: 1.506 min Scan# 61
Delta R.T. -0.000 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

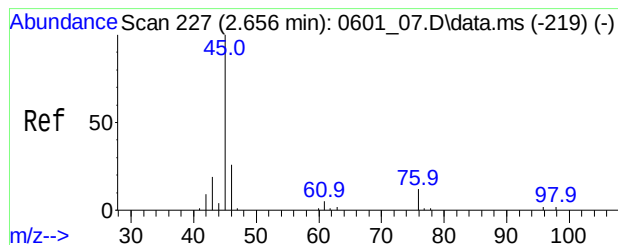
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	15820		
87	32.3	26.2	39.4	
101	8.4	6.2	9.4	



#6
Vinyl Chloride
Conc: 8\$ Below Cal
RT: 1.718 min Scan# 92
Delta R.T. 0.000 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

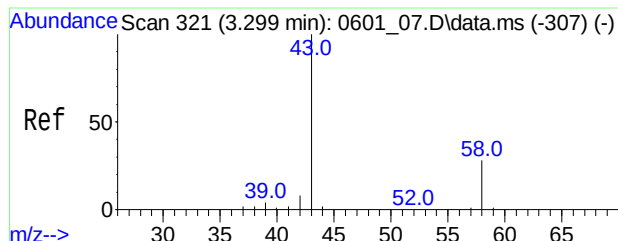
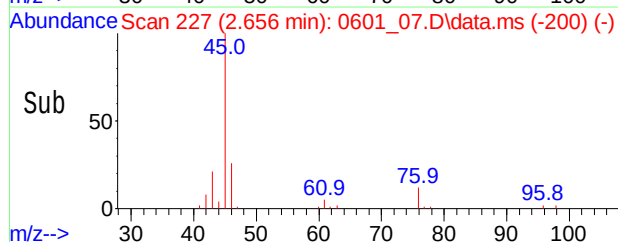
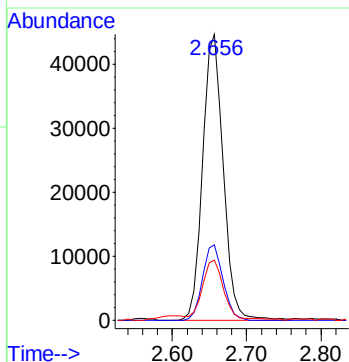
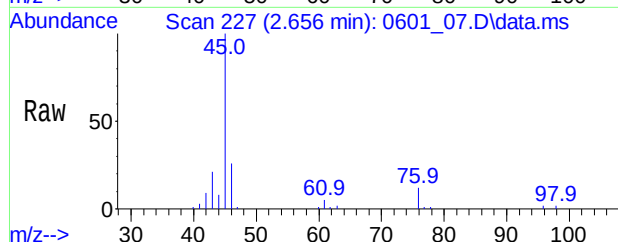
Tgt Ion	Ratio	Resp	Lower	Upper
62	100	1720		
64	135.4	18.6	58.6#	





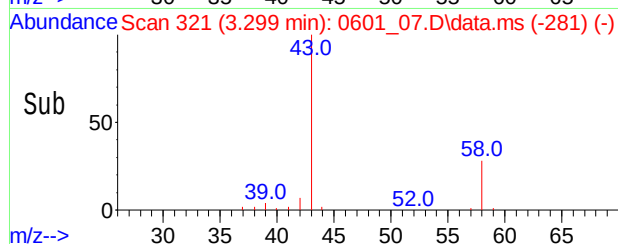
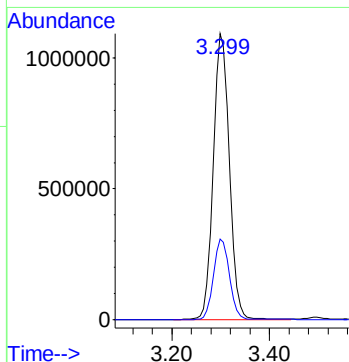
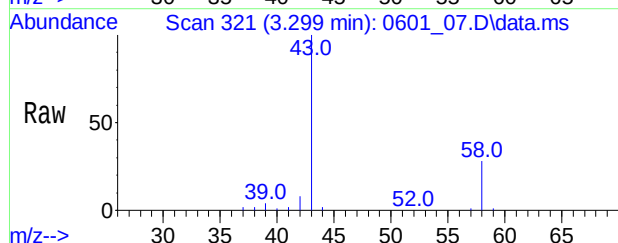
#10
Ethanol
Conc: 8\$ 14.856 ppbv
RT: 2.656 min Scan# 227
Delta R.T. -0.007 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

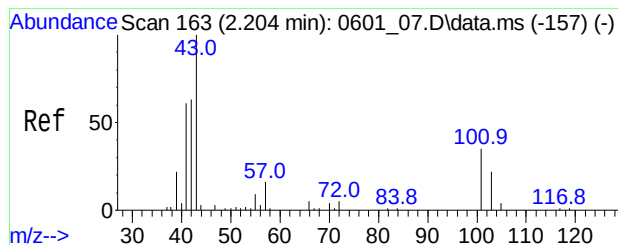
Tgt Ion: 45 Resp: 85611
Ion Ratio Lower Upper
45 100
46 26.0 0.0 0.0#
43 22.1 29.3 43.9#



#12
Acetone
Conc: 8\$ 78.425 ppbv
RT: 3.299 min Scan# 321
Delta R.T. -0.028 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

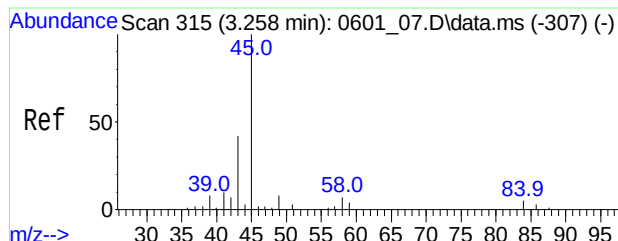
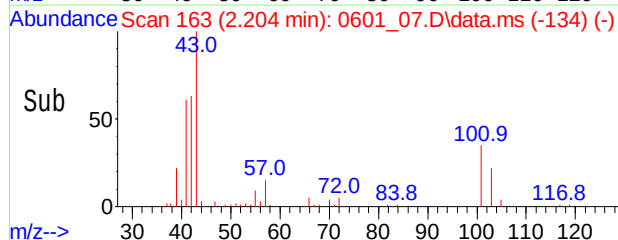
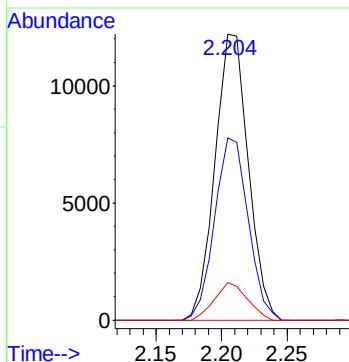
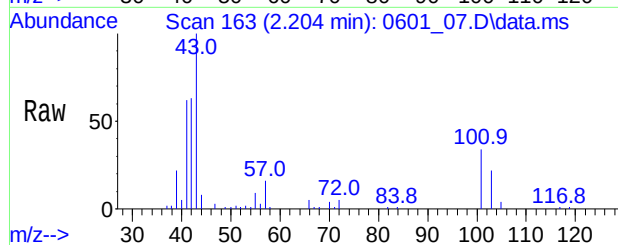
Tgt Ion: 43 Resp: 2499831
Ion Ratio Lower Upper
43 100
58 27.9 13.8 20.6#





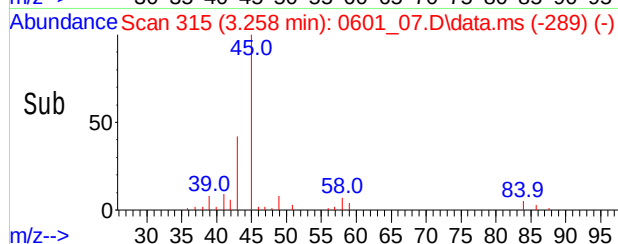
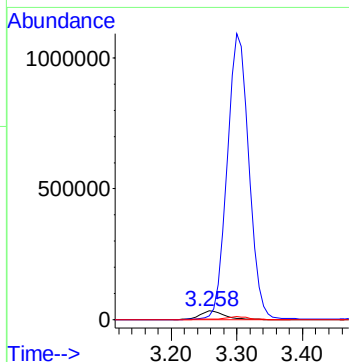
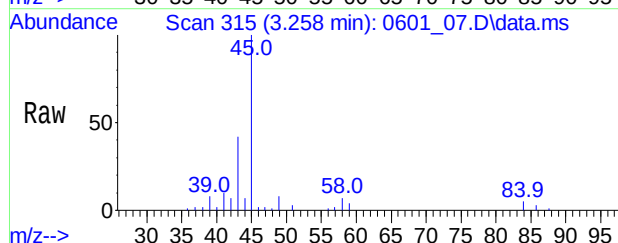
#13
Trichlorofluoromethane
Conc: 8\$ 0.500 ppbv
RT: 2.204 min Scan# 163
Delta R.T. 0.000 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

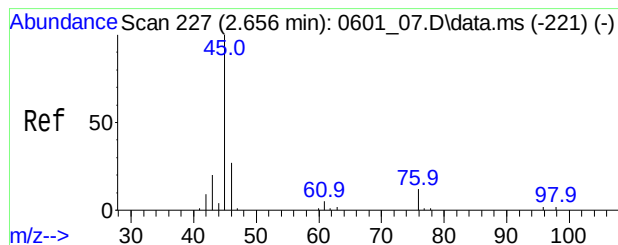
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	21325		
103	64.1	55.4	83.2	
66	12.9	11.4	17.0	



#14
Isopropylalcohol
Conc: 8\$ 2.632 ppbv
RT: 3.258 min Scan# 315
Delta R.T. -0.021 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

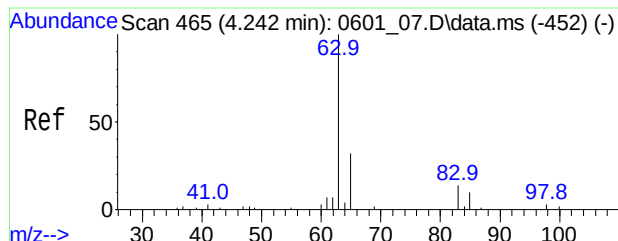
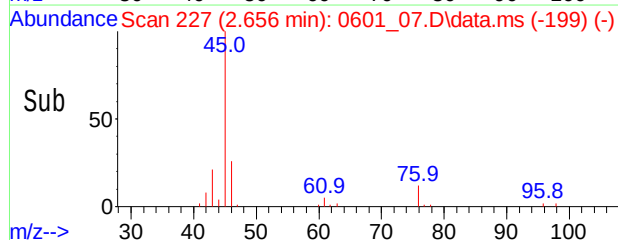
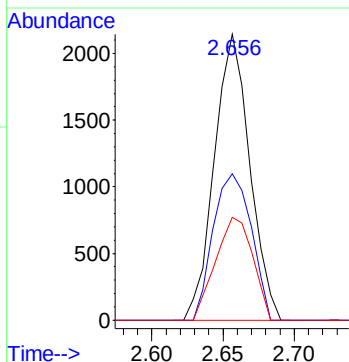
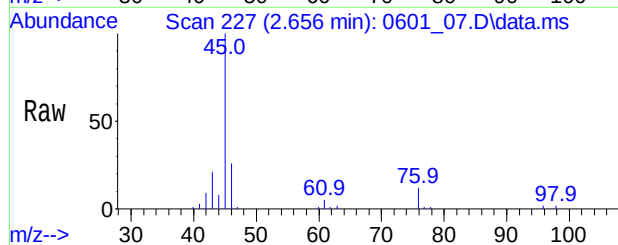
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	83306		
43	3000.8	137.3	205.9#	
59	31.6	0.0	0.0#	





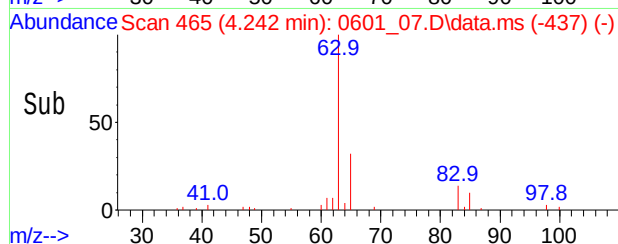
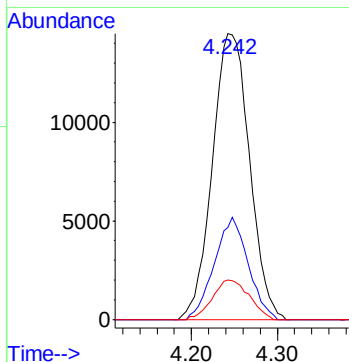
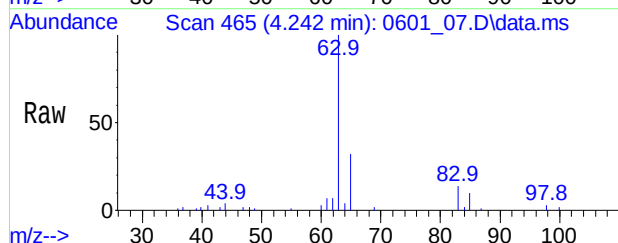
#16
1,1-Dichloroethene
Conc: 8\$ Below Cal
RT: 2.656 min Scan# 227
Delta R.T. 0.000 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

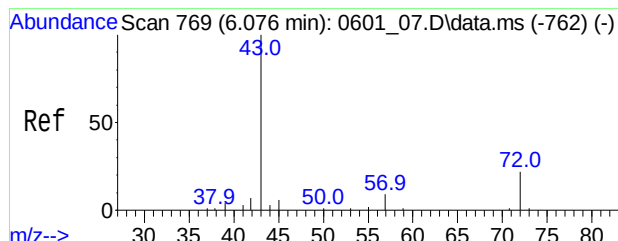
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	3714		
96	55.0	49.5	74.3	
98	37.7	28.1	42.1	



#23
1,1-Dichloroethane
Conc: 8\$ 1.287 ppbv
RT: 4.242 min Scan# 465
Delta R.T. 0.000 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

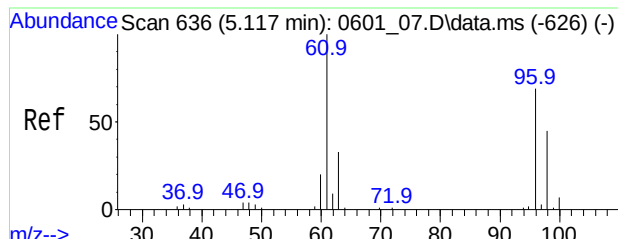
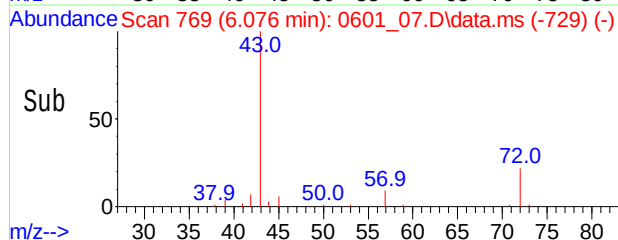
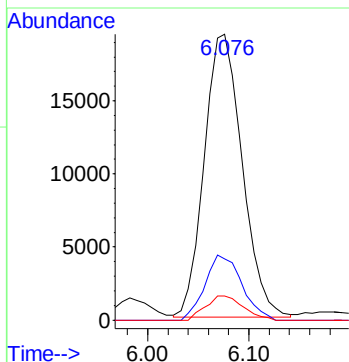
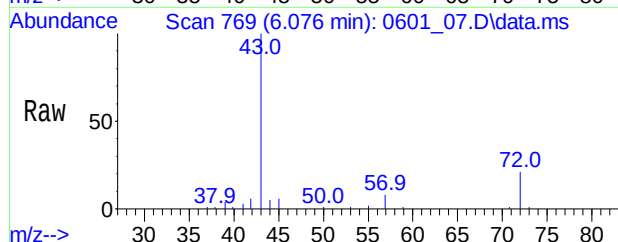
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	43346		
65	32.5	13.7	53.7	
83	13.7	0.0	27.0	





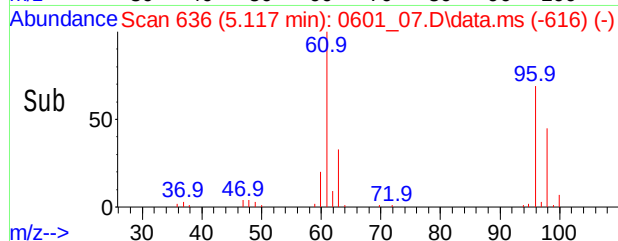
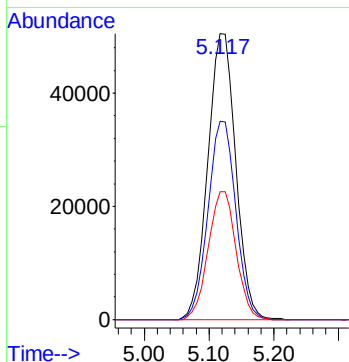
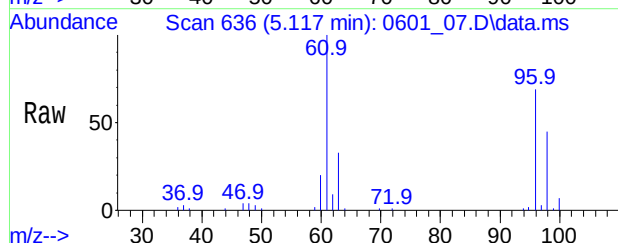
#25
Methyl Ethyl Ketone
Conc: 8\$ 1.345 ppbv
RT: 6.076 min Scan# 769
Delta R.T. -0.014 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

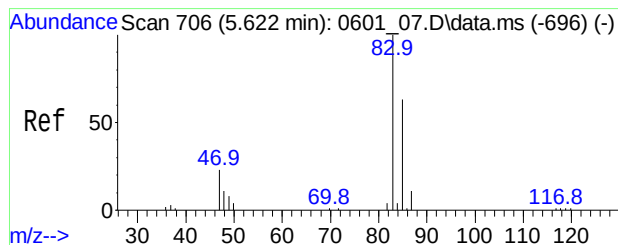
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	50537		
72	22.3	12.6	19.0#	
57	8.4	0.0	0.0#	



#26
Cis-1,2-Dichloroethene
Conc: 8\$ 5.675 ppbv
RT: 5.117 min Scan# 636
Delta R.T. -0.008 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

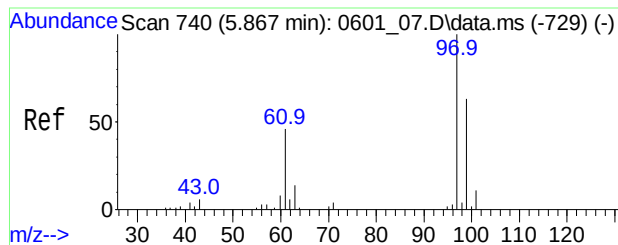
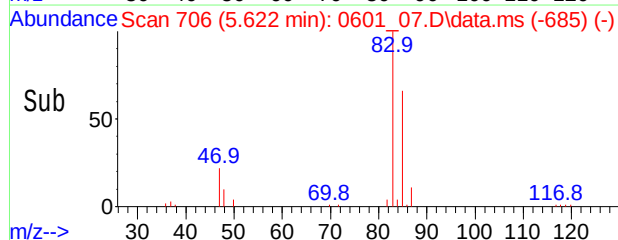
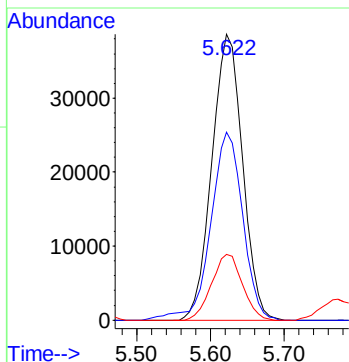
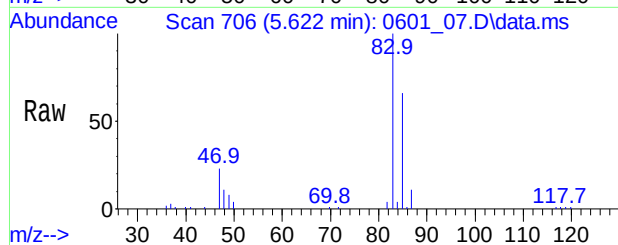
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	151205		
96	69.1	58.4	87.6	
98	44.6	33.0	49.4	





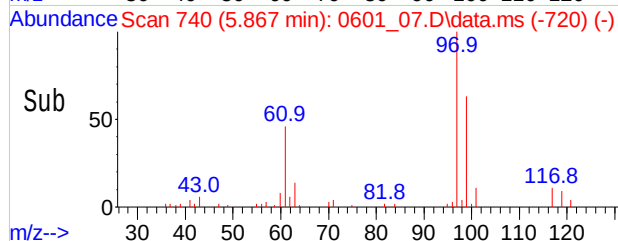
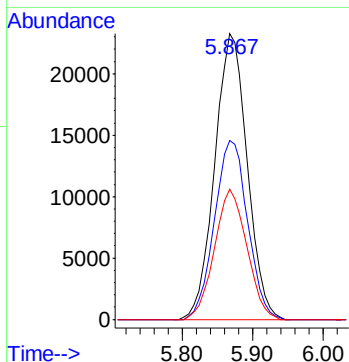
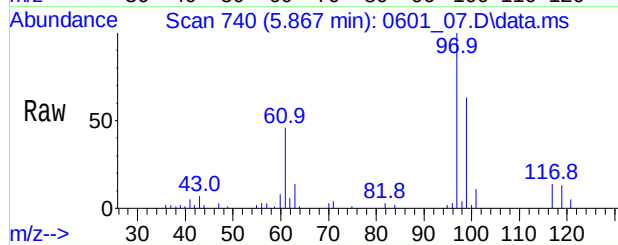
#28
Chloroform
Conc: 8\$ 2.727 ppbv
RT: 5.622 min Scan# 706
Delta R.T. -0.000 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

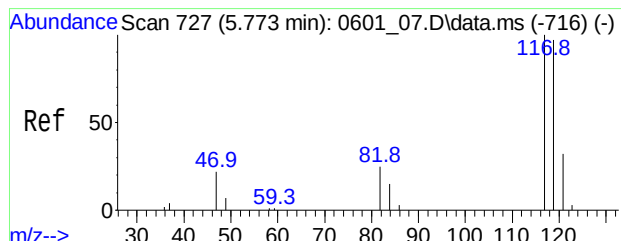
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	111686		
85	68.6	42.5	82.5	
47	23.1	1.5	41.5	



#32
1,1,1-Trichloroethane
Conc: 8\$ 1.952 ppbv
RT: 5.867 min Scan# 740
Delta R.T. -0.007 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

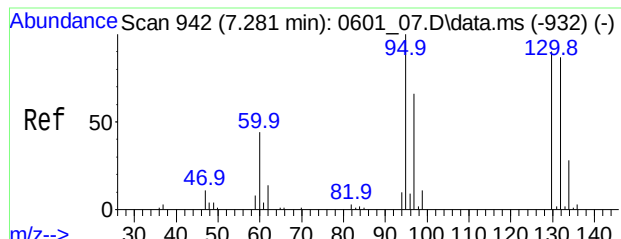
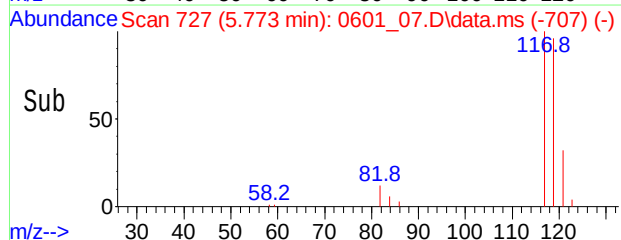
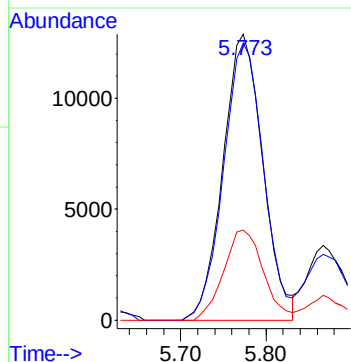
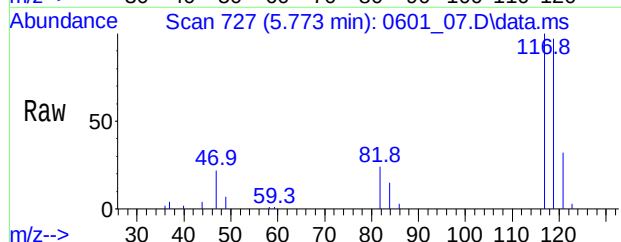
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	74939		
99	64.1	48.0	72.0	
61	45.5	47.5	71.3#	





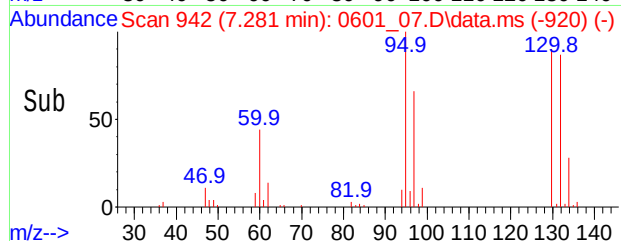
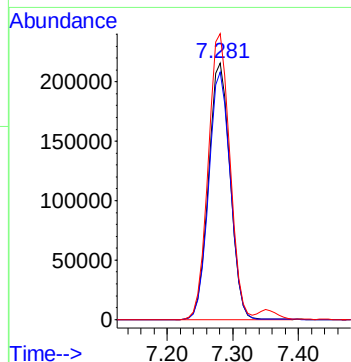
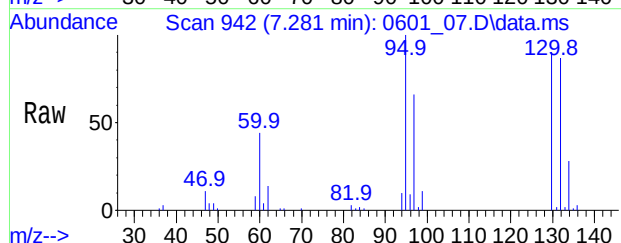
#34
Carbon Tetrachloride
Conc: 8\$ 1.067 ppbv
RT: 5.773 min Scan# 727
Delta R.T. -0.007 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

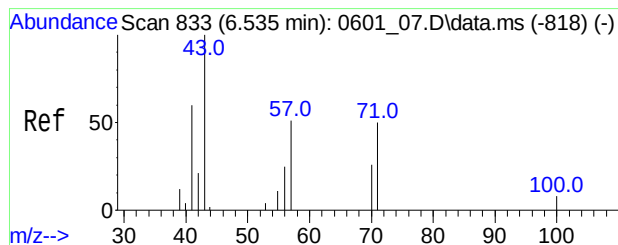
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41835		
119	97.3	75.0	115.0	
121	31.4	6.8	46.8	



#39
Trichloroethene
Conc: 8\$ 19.579 ppbv
RT: 7.281 min Scan# 942
Delta R.T. 0.000 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

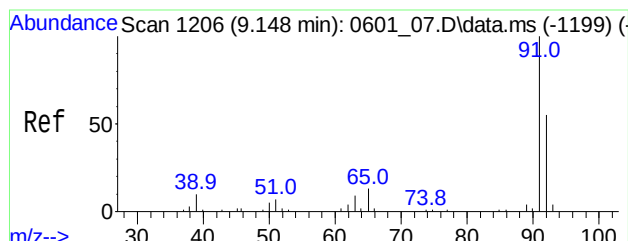
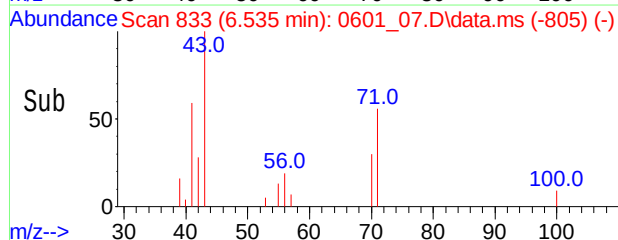
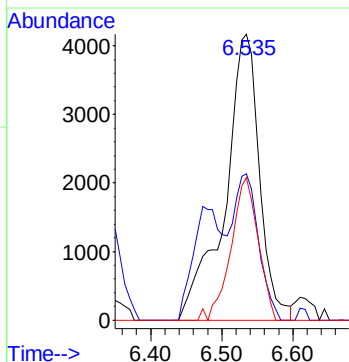
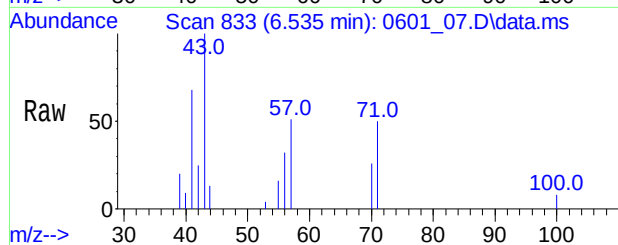
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	484837		
132	96.4	76.6	114.8	
95	112.3	89.6	134.4	





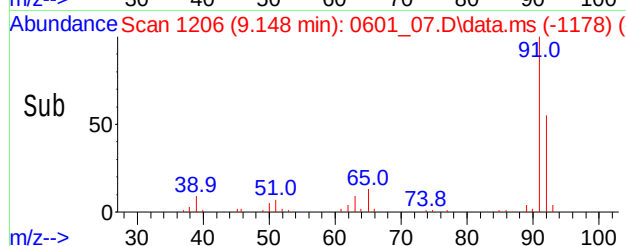
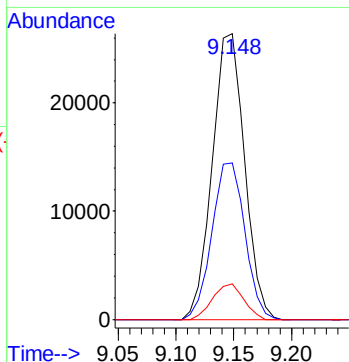
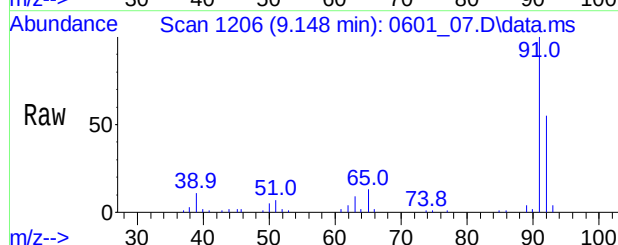
#43
Heptane
Conc: 8\$ 0.450 ppbv
RT: 6.535 min Scan# 833
Delta R.T. -0.007 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

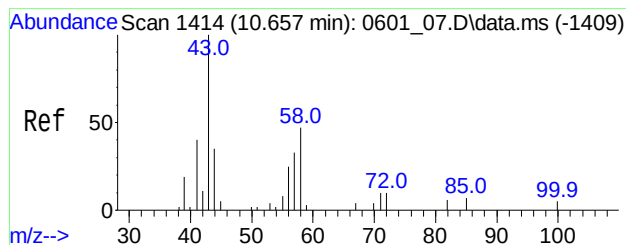
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	14095		
57	36.8	35.9		53.9
71	39.2	33.4		50.0



#48
Toluene
Conc: 8\$ 0.774 ppbv
RT: 9.148 min Scan# 1206
Delta R.T. 0.000 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

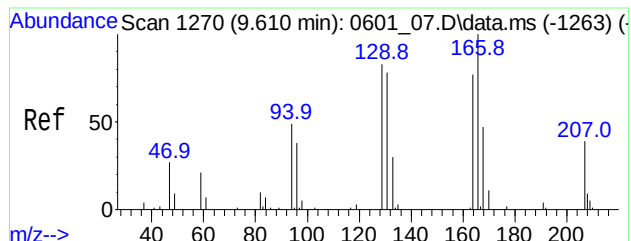
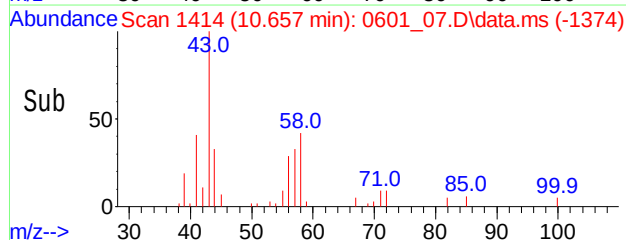
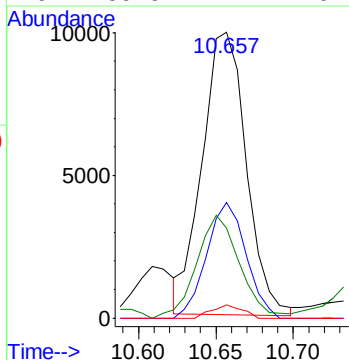
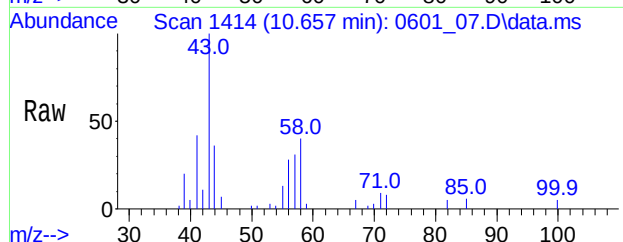
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	50588		
92	55.9	43.4		65.0
65	12.1	8.2		12.4





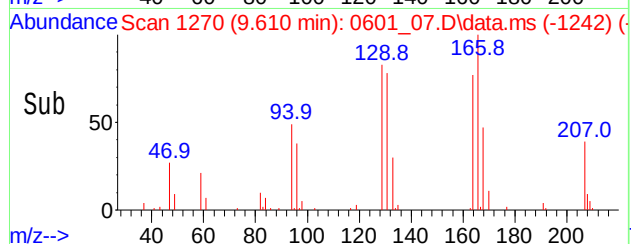
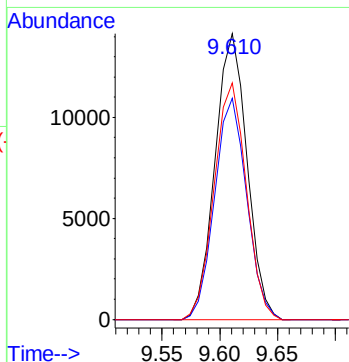
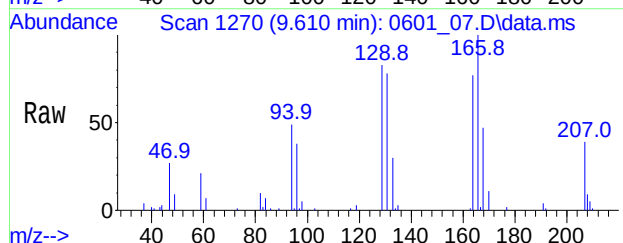
#50
2-Hexanone(MBK)
Conc: 8\$ 0.460 ppbv
RT: 10.657 min Scan# 1414
Delta R.T. -0.007 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

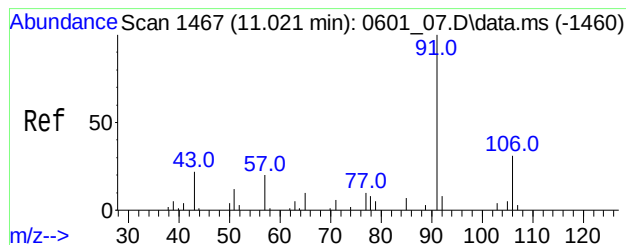
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	19639		
58	36.4	37.3	55.9#	
100	3.2	0.0	0.0#	
57	35.3	12.2	18.2#	



#52
Tetrachloroethene
Conc: 8\$ 0.864 ppbv
RT: 9.610 min Scan# 1270
Delta R.T. 0.000 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

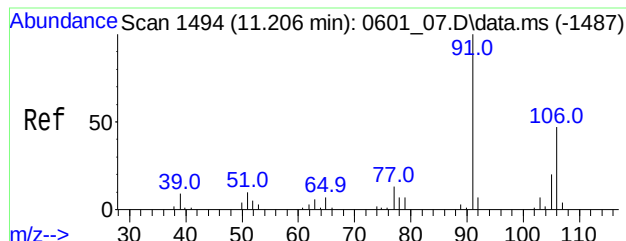
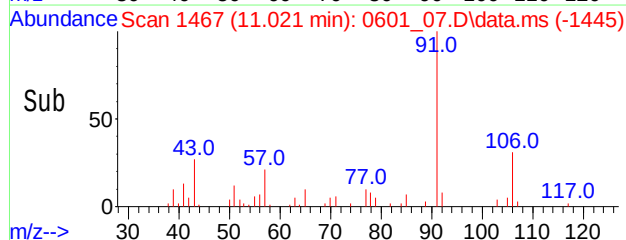
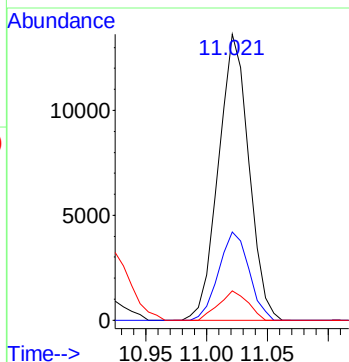
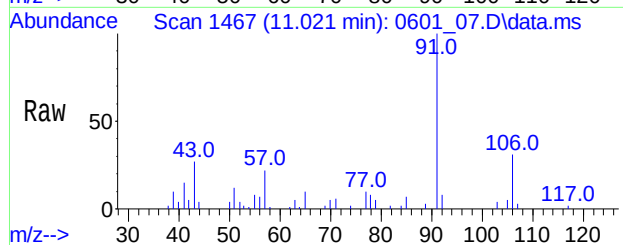
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	26846		
164	77.6	61.0	91.6	
129	83.3	63.7	95.5	





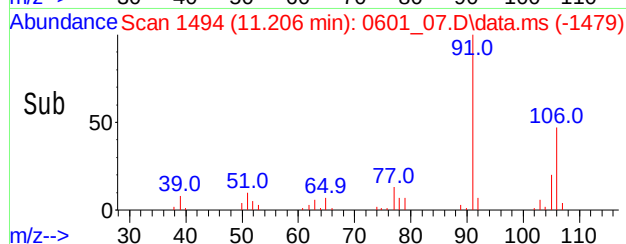
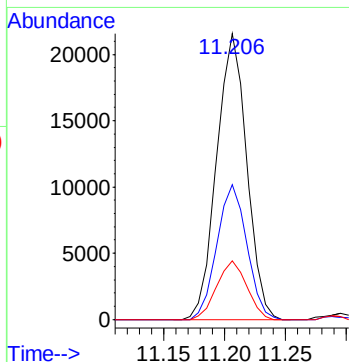
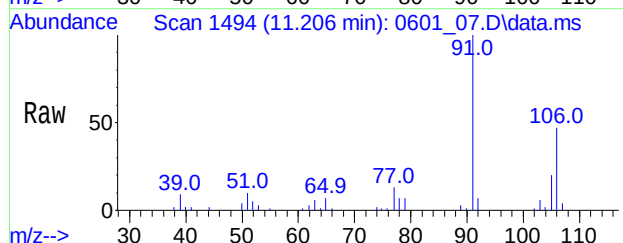
#56
Ethylbenzene
Conc: 8\$ 0.277 ppbv
RT: 11.021 min Scan# 1467
Delta R.T. -0.000 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

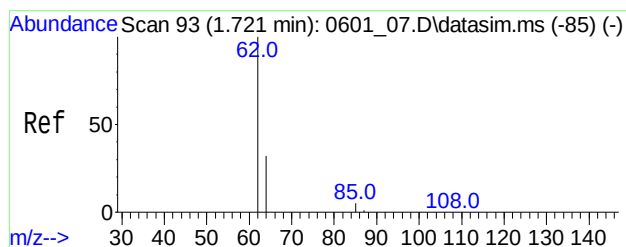
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	23454		
106	30.7	9.2	49.2	
77	9.9	0.0	29.2	



#57
m,p-Xylene
Conc: 8\$ 0.567 ppbv
RT: 11.206 min Scan# 1494
Delta R.T. -0.000 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

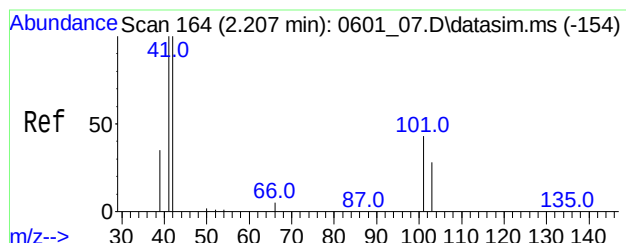
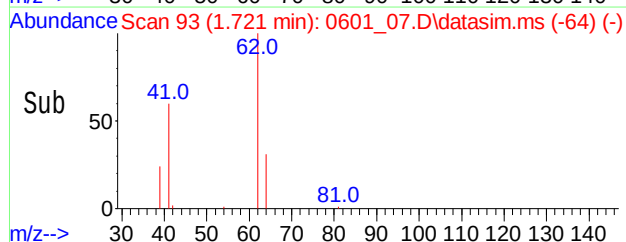
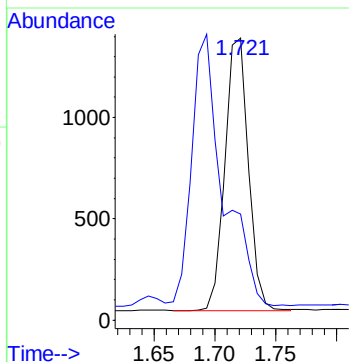
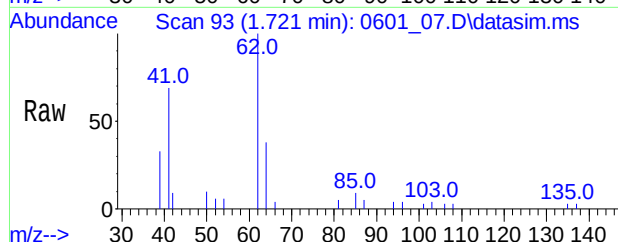
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	36773		
106	46.9	36.7	55.1	
105	20.5	16.9	25.3	





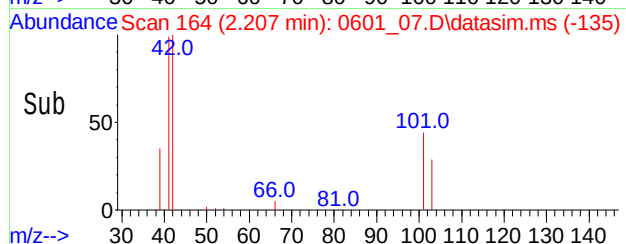
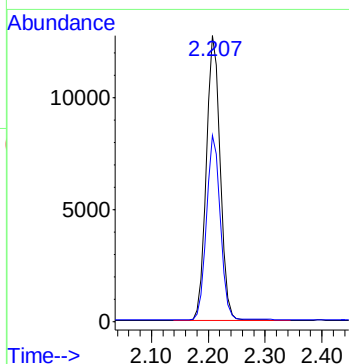
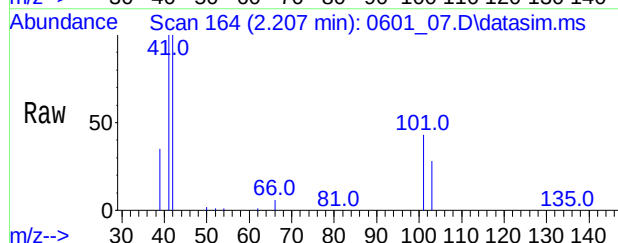
#82
 Vinyl Chloride(sim)
 Conc: 8\$ 0.094 ppbv
 RT: 1.721 min Scan# 93
 Delta R.T. -0.000 min
 Lab File: 0601_07.D
 Acq: 1 Jun 2020 9:28 am

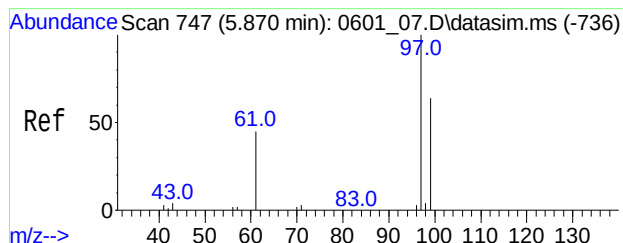
Tgt Ion: 62 Resp: 1778
 Ion Ratio Lower Upper
 62 100
 64 135.5 26.1 39.1#



#84
 Trichlorofluoromethane(sim)
 Conc: 8\$ 0.462 ppbv
 RT: 2.207 min Scan# 164
 Delta R.T. 0.000 min
 Lab File: 0601_07.D
 Acq: 1 Jun 2020 9:28 am

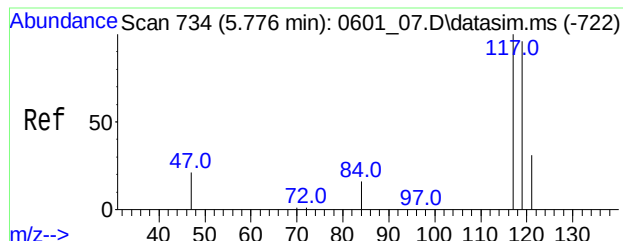
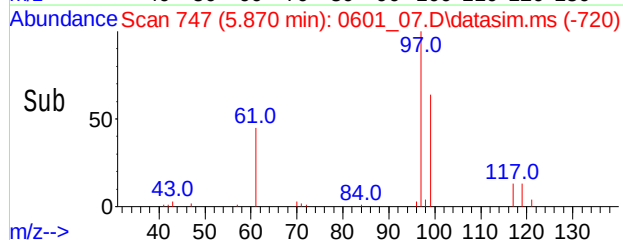
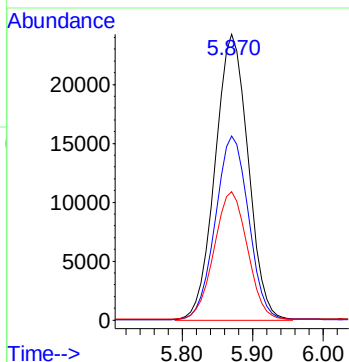
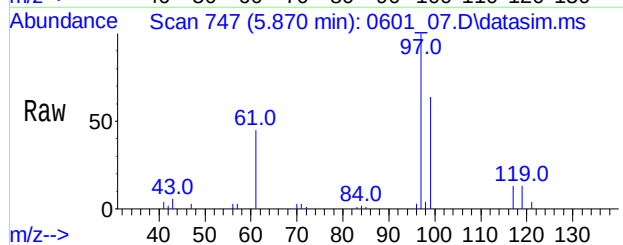
Tgt Ion: 101 Resp: 21854
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.7 79.1





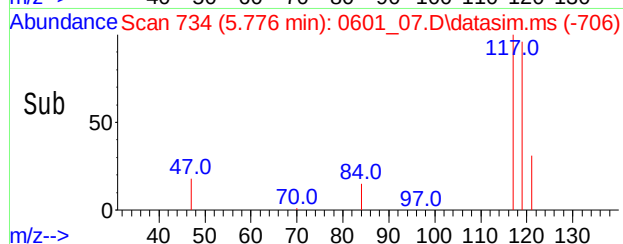
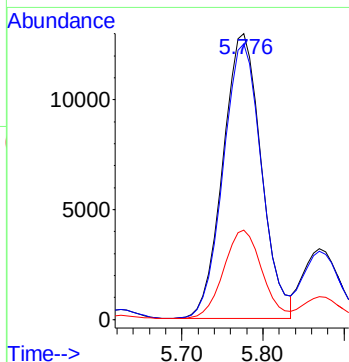
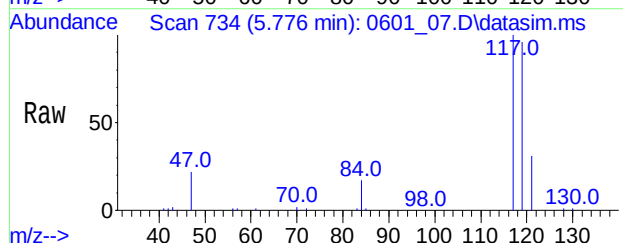
#85
1,1,1-Trichloroethane(sim)
Conc: 8\$ 1.877 ppbv
RT: 5.867 min Scan# 747
Delta R.T. -0.007 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

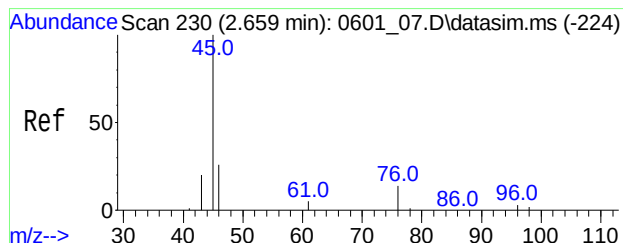
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	74939		
99	64.1	60.0	60.0	60.0
61	45.5	47.5	47.5	71.3



#86
Carbon Tetrachloride(sim)
Conc: 8\$ 1.103 ppbv
RT: 5.776 min Scan# 734
Delta R.T. 0.000 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

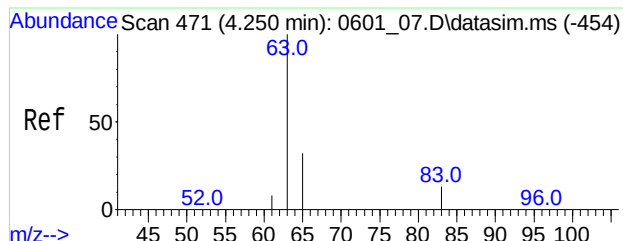
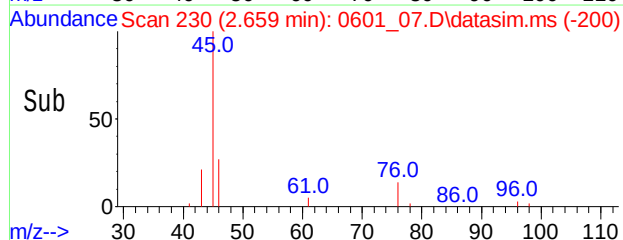
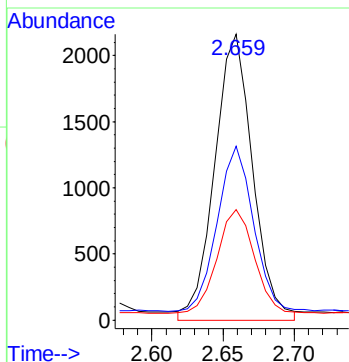
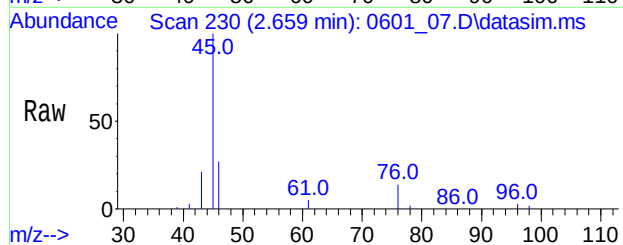
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42609		
119	96.5	76.6	76.6	115.0
121	31.0	24.6	24.6	36.8





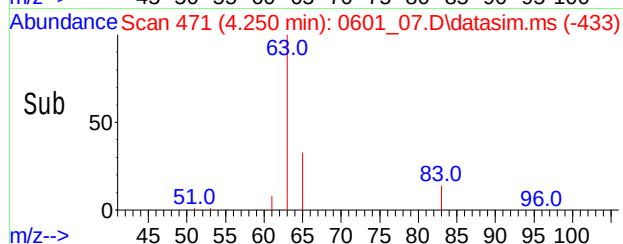
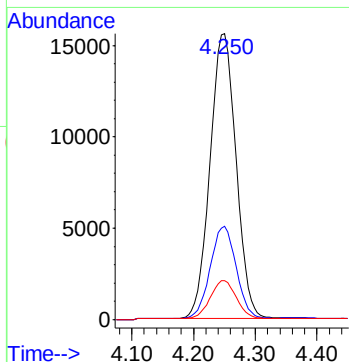
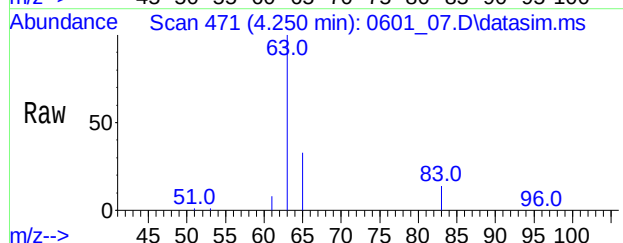
#87
 1,1-Dichloroethene(sim)
 Conc: 8\$ 0.137 ppbv
 RT: 2.656 min Scan# 230
 Delta R.T. 0.000 min
 Lab File: 0601_07.D
 Acq: 1 Jun 2020 9:28 am

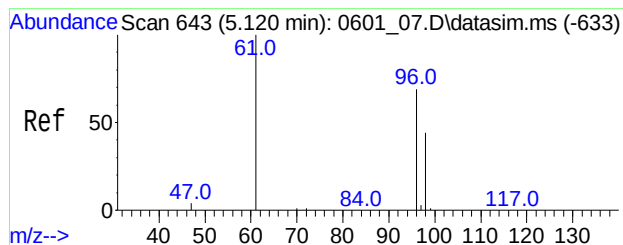
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	3714		
96	55.0	49.5	74.3	
98	37.7	28.1	42.1	



#90
 1,1-Dichloroethane(sim)
 Conc: 8\$ 1.266 ppbv
 RT: 4.250 min Scan# 471
 Delta R.T. 0.005 min
 Lab File: 0601_07.D
 Acq: 1 Jun 2020 9:28 am

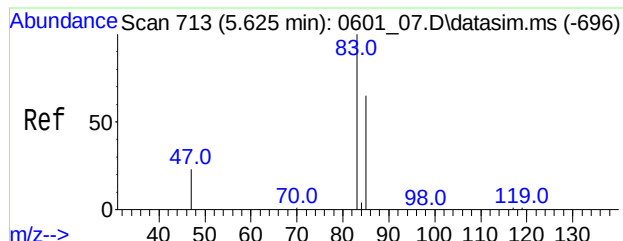
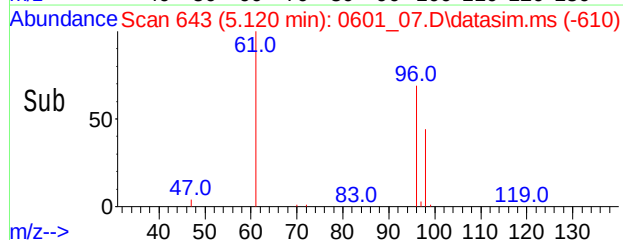
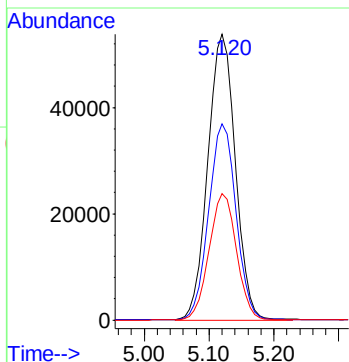
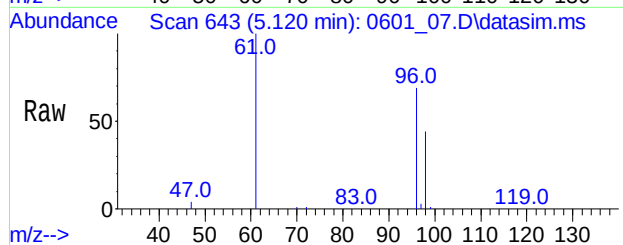
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	45566		
65	32.1	25.9	38.9	
83	13.3	10.8	16.2	





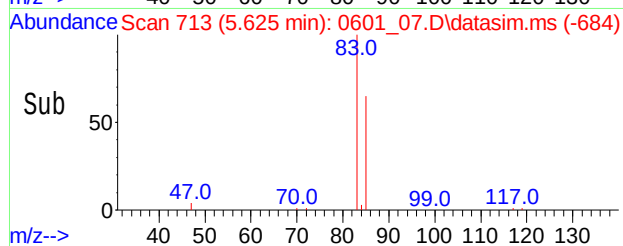
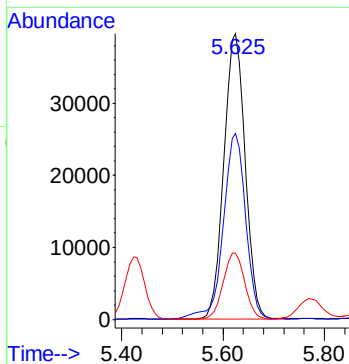
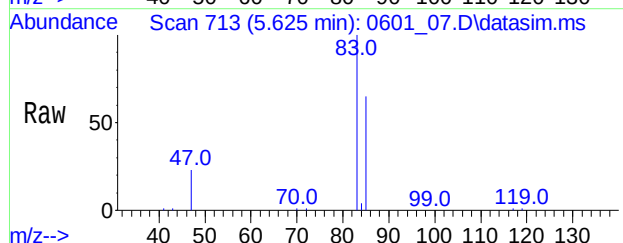
#91
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 5.542 ppbv
RT: 5.117 min Scan# 643
Delta R.T. -0.008 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

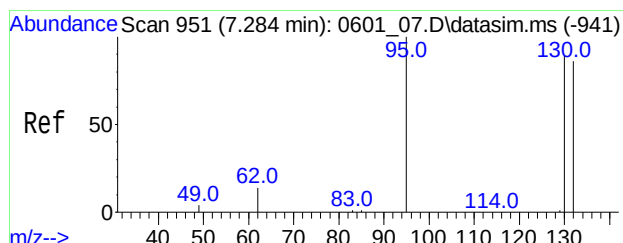
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	151205		
96	69.1	58.4	87.6	
98	44.6	33.0	49.4	



#92
Chloroform(sim)
Conc: 8\$ 2.701 ppbv
RT: 5.625 min Scan# 713
Delta R.T. 0.007 min
Lab File: 0601_07.D
Acq: 1 Jun 2020 9:28 am

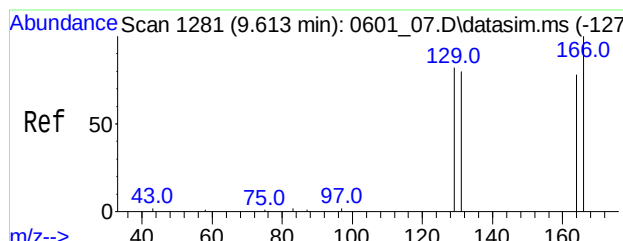
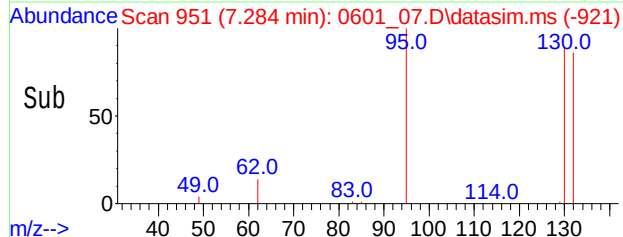
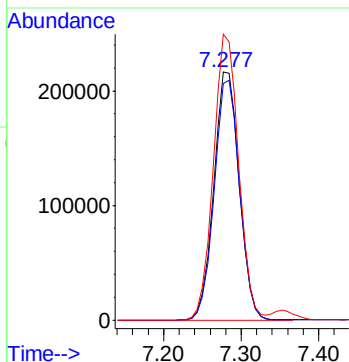
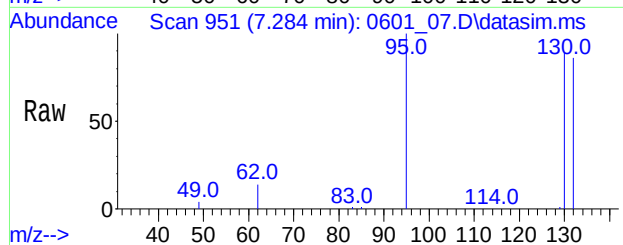
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	115941		
85	68.2	52.6	78.8	
47	23.3	19.3	28.9	





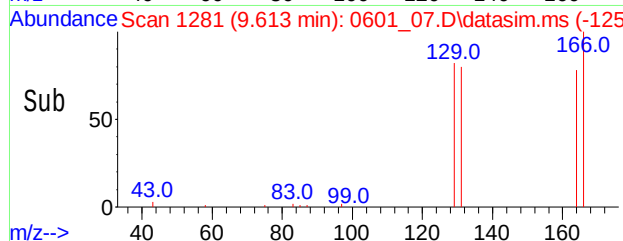
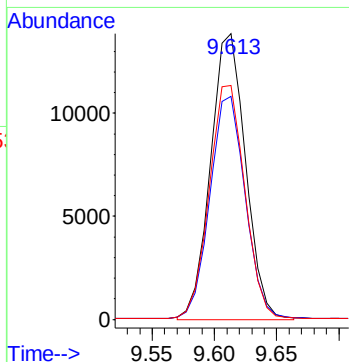
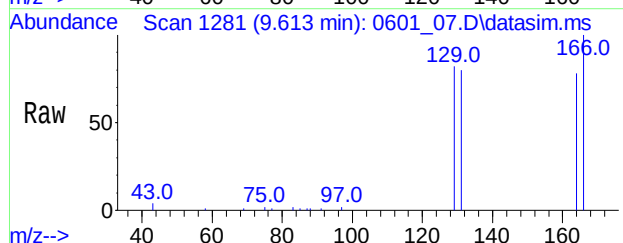
#97
 Trichloroethene(sim)
 Conc: 8\$ 19.172 ppbv
 RT: 7.281 min Scan# 951
 Delta R.T. 0.000 min
 Lab File: 0601_07.D
 Acq: 1 Jun 2020 9:28 am

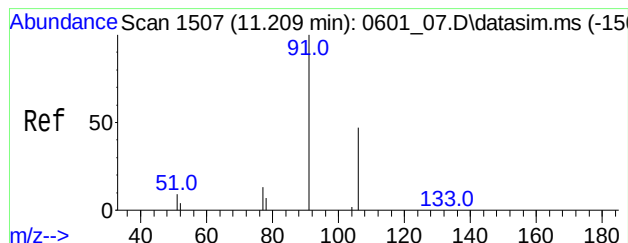
Tgt Ion:	130	Resp:	484553
Ion Ratio	Lower	Upper	
130	100		
132	96.5	74.3	111.5
95	112.4	89.6	134.4



#103
 Tetrachloroethene(sim)
 Conc: 8\$ 0.861 ppbv
 RT: 9.610 min Scan# 1281
 Delta R.T. 0.000 min
 Lab File: 0601_07.D
 Acq: 1 Jun 2020 9:28 am

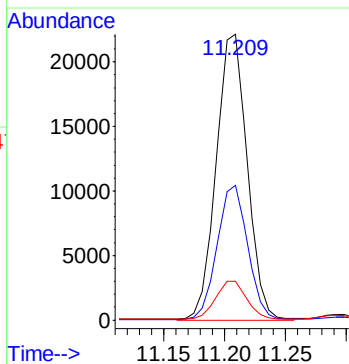
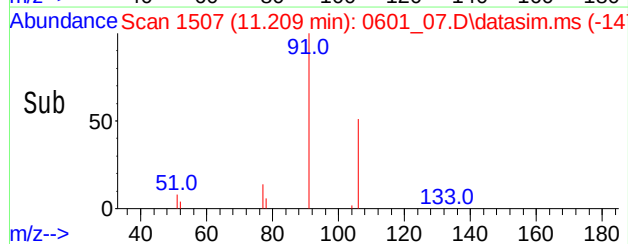
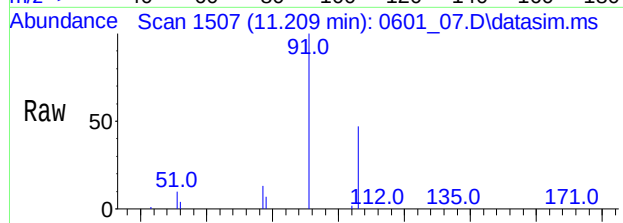
Tgt Ion:	166	Resp:	26751
Ion Ratio	Lower	Upper	
166	100		
164	77.9	56.3	96.3
129	83.6	59.6	99.6





#107
 m,p-Xylene(sim)
 Conc: 8\$ 0.534 ppbv
 RT: 11.206 min Scan# 1507
 Delta R.T. -0.000 min
 Lab File: 0601_07.D
 Acq: 1 Jun 2020 9:28 am

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	36773		
106	46.9	41.3	50.5	
77	13.9	11.6	17.4	



BLOWER-2 5X

ppbv

r

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_09.D
 Acq On : 1 Jun 2020 10:37 am
 Operator : Keith
 Client ID : BLOWER-2 5X
 Lab ID : CG03910 5X
 ALS Vial : 139 Sample Multiplier: 1

Quant Time: Jun 01 11:16:03 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

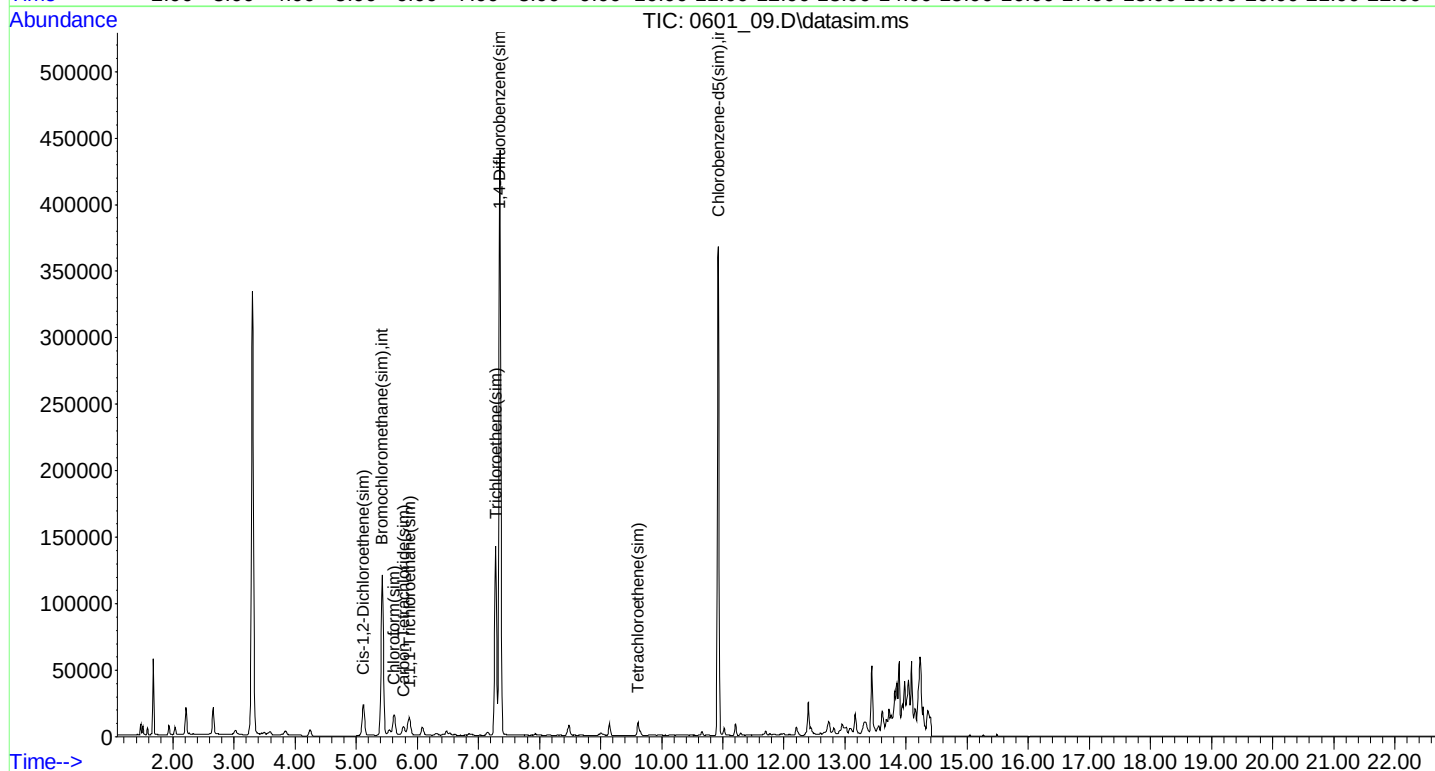
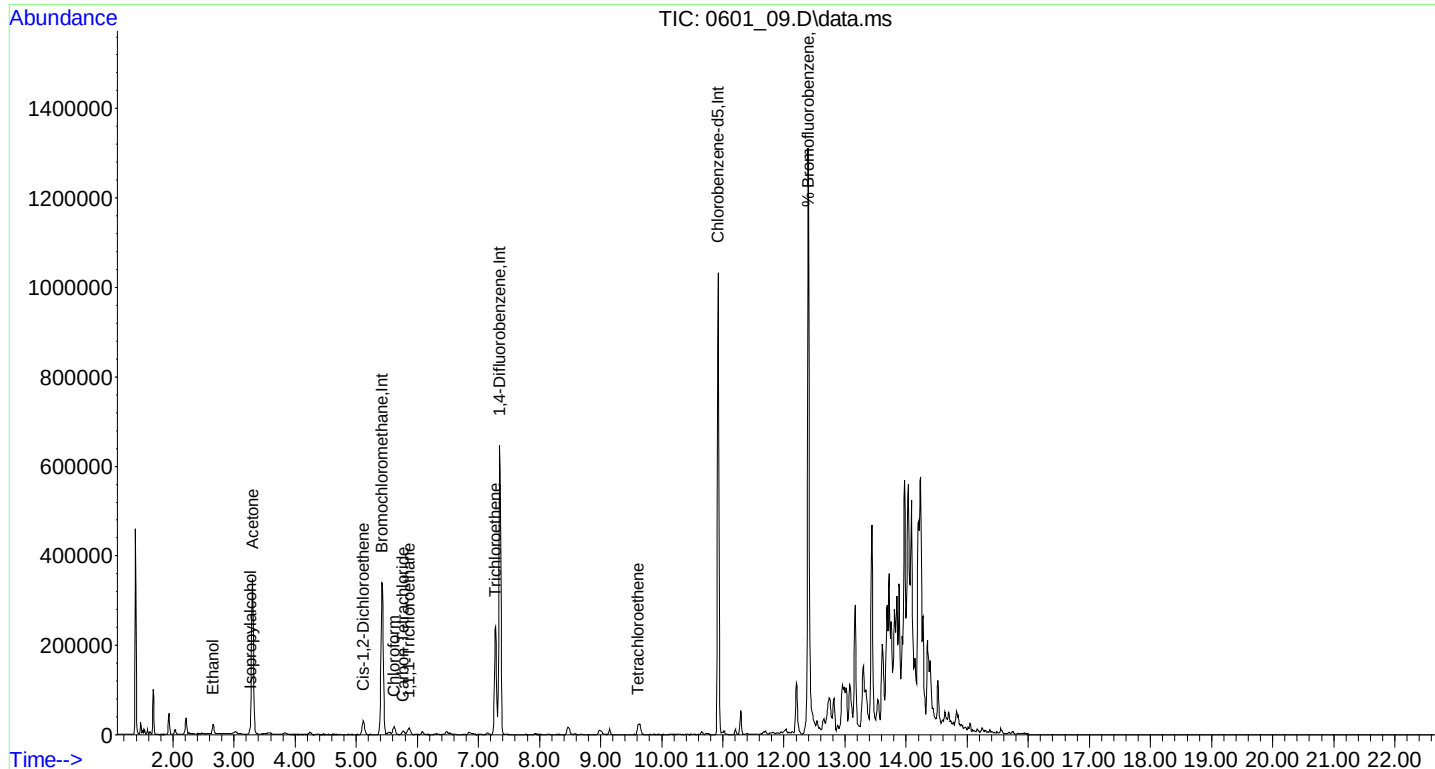
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.420	130	174304	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.350	114	620388	10.000	ng	0.00
53) Chlorobenzene-d5	10.924	82	336838	10.000	ng	0.00
80) Bromochloromethane(sim)	5.423	130	172021	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.352	114	669604	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	351902	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.398	95	450033	9.856	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.60%
Target Compounds						
10) Ethanol	2.656	45	19457	3.270	ppbv#	78
12) Acetone	3.306	43	515263	15.655	ppbv#	76
14) Isopropylalcohol	3.272	45	17054	0.522	ppbv#	1
26) Cis-1,2-Dichloroethene	5.117	61	29197	1.061	ppbv	95
28) Chloroform	5.622	83	21272	0.503	ppbv	93
32) 1,1,1-Trichloroethane	5.867	97	13981	0.353	ppbv#	88
34) Carbon Tetrachloride	5.773	117	8215	0.203	ppbv	99
39) Trichloroethene	7.281	130	93178	3.538	ppbv	99
52) Tetrachloroethene	9.610	166	5341	0.162	ppbv	97
85] 1,1,1-Trichloroethane(...	5.867	97	13981	0.340	ppbv#	88
86] Carbon Tetrachloride(sim)	5.776	117	7971	0.200	ppbv	99
91] Cis-1,2-Dichloroethene...	5.117	61	29197	1.039	ppbv	95
92] Chloroform(sim)	5.617	83	22442	0.508	ppbv	97
97] Trichloroethene(sim)	7.281	130	93178	3.451	ppbv	98
103] Tetrachloroethene(sim)	9.610	166	5224	0.157	ppbv	95

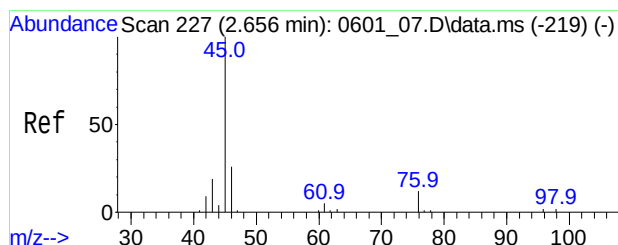
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_09.D
 Acq On : 1 Jun 2020 10:37 am
 Operator : Keith
 Client ID : BLOWER-2 5X
 Lab ID : CG03910 5X
 ALS Vial : 139 Sample Multiplier: 1

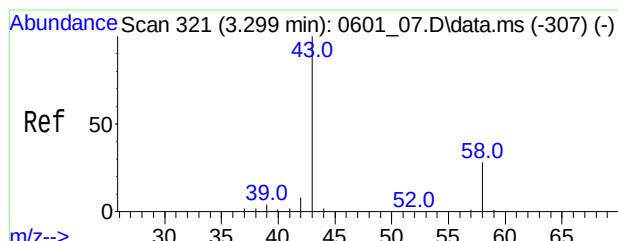
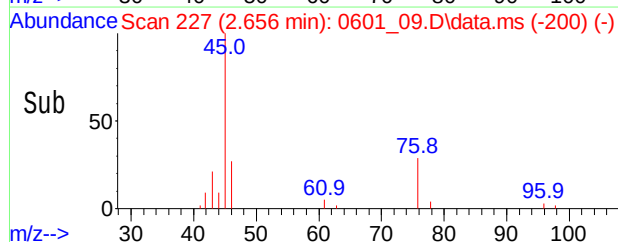
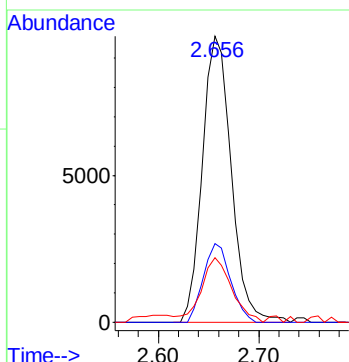
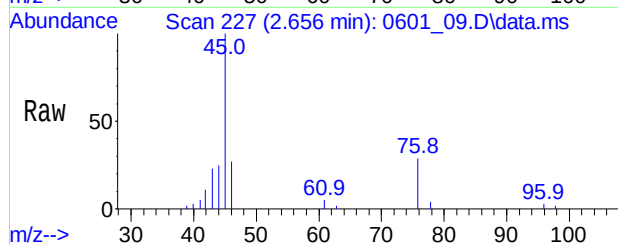
Quant Time: Jun 01 11:16:03 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration





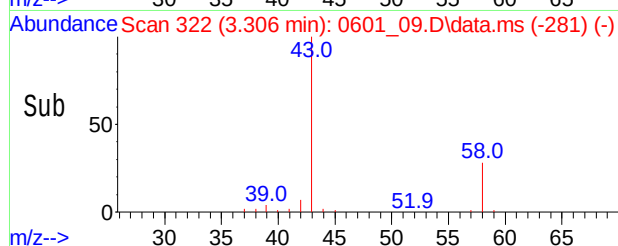
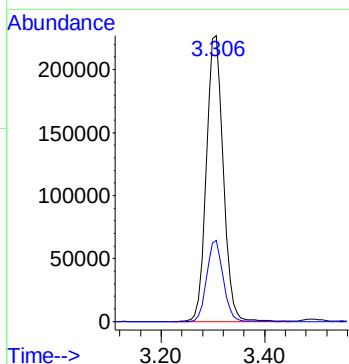
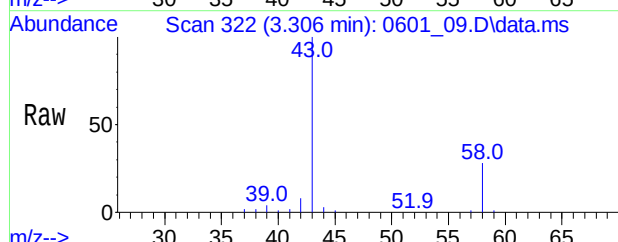
#10
Ethanol
Conc: 8\$ 3.270 ppbv
RT: 2.656 min Scan# 227
Delta R.T. -0.007 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am

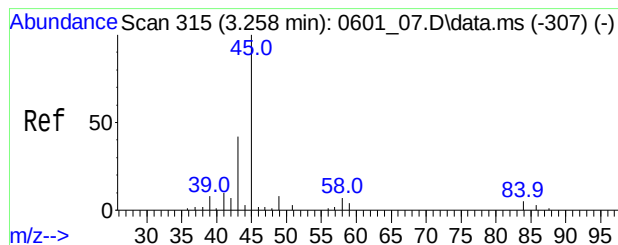
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	19457		
46	25.6	0.0	0.0#	
43	23.7	29.3	43.9#	



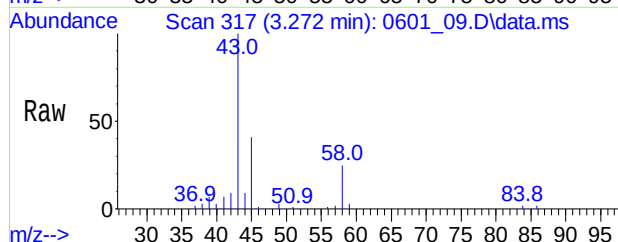
#12
Acetone
Conc: 8\$ 15.655 ppbv
RT: 3.306 min Scan# 322
Delta R.T. -0.021 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	515263		
58	27.7	13.8	20.6#	

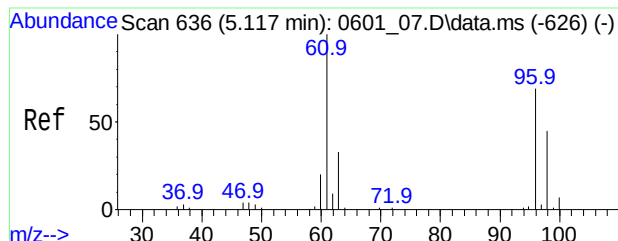
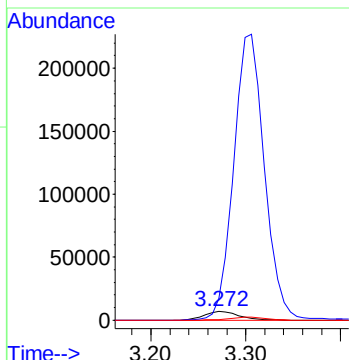
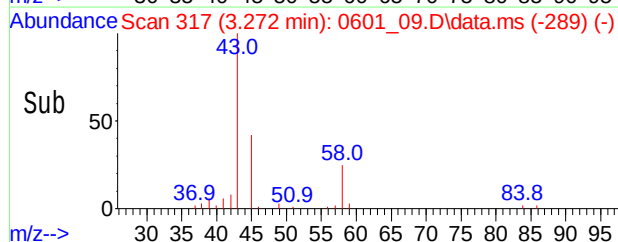




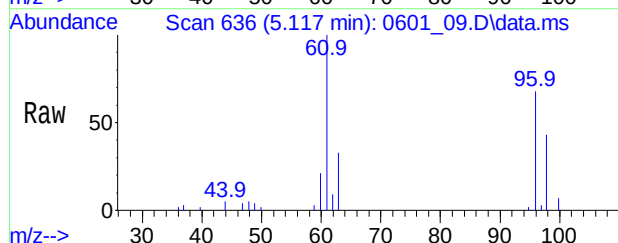
#14
Isopropylalcohol
Conc: 8\$ 0.522 ppbv
RT: 3.272 min Scan# 317
Delta R.T. -0.007 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am



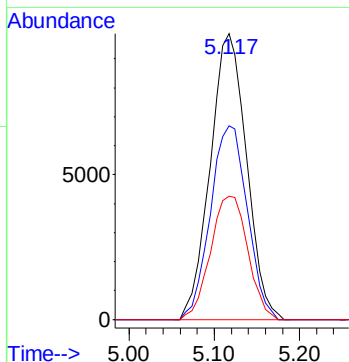
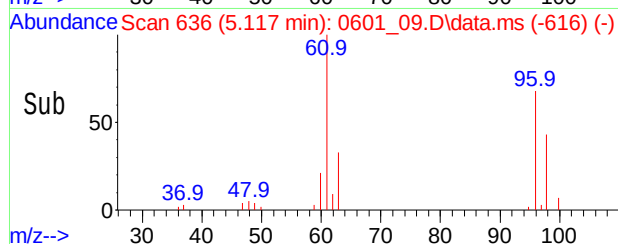
Tgt Ion: 45 Resp: 17054
Ion Ratio Lower Upper
45 100
43 3021.4 137.3 205.9#
59 30.6 0.0 0.0#

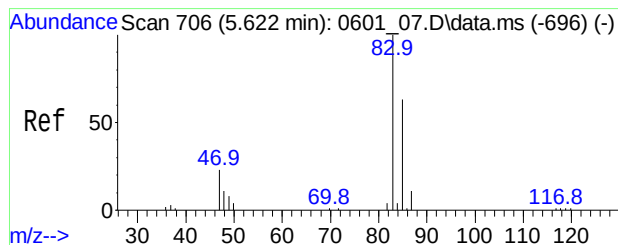


#26
Cis-1,2-Dichloroethene
Conc: 8\$ 1.061 ppbv
RT: 5.117 min Scan# 636
Delta R.T. -0.008 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am



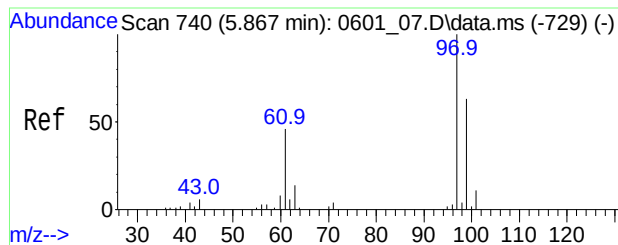
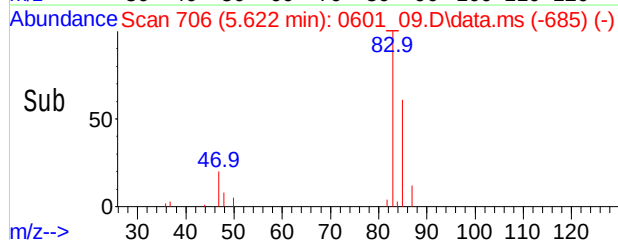
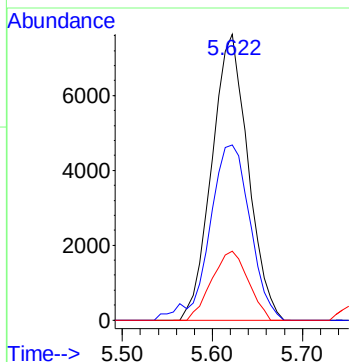
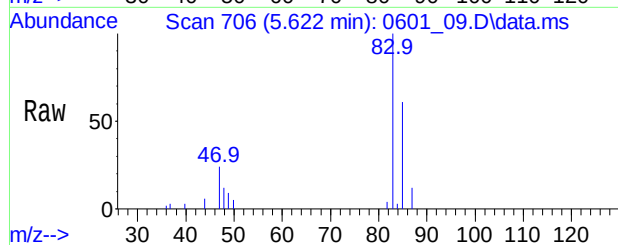
Tgt Ion: 61 Resp: 29197
Ion Ratio Lower Upper
61 100
96 68.9 58.4 87.6
98 44.3 33.0 49.4





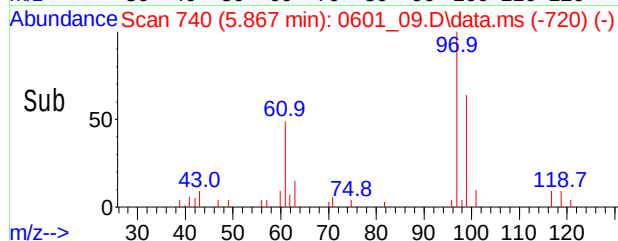
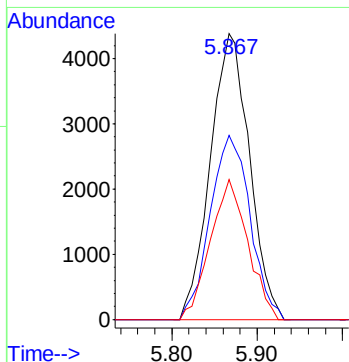
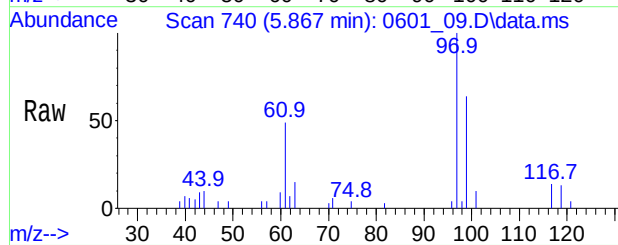
#28
Chloroform
Conc: 8\$ 0.503 ppbv
RT: 5.622 min Scan# 706
Delta R.T. -0.000 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am

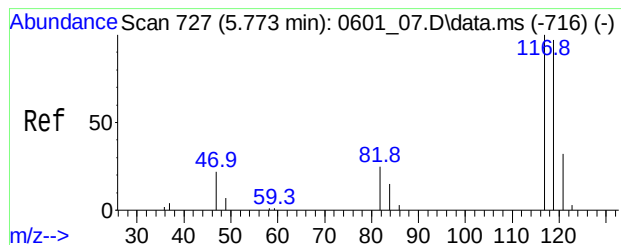
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	21272		
85	68.5	42.5	82.5	
47	24.4	1.5	41.5	



#32
1,1,1-Trichloroethane
Conc: 8\$ 0.353 ppbv
RT: 5.867 min Scan# 740
Delta R.T. -0.007 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am

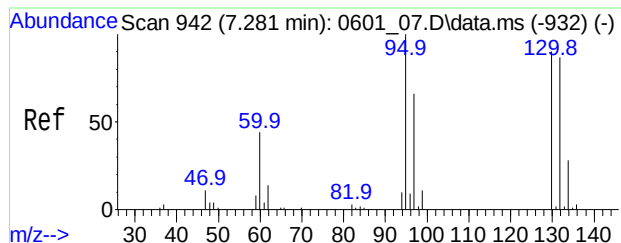
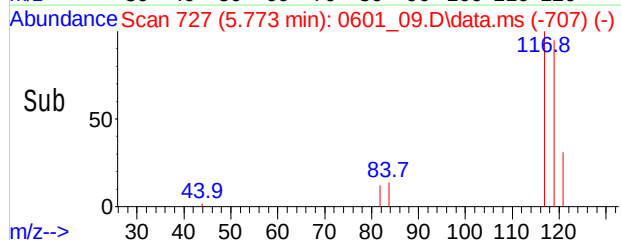
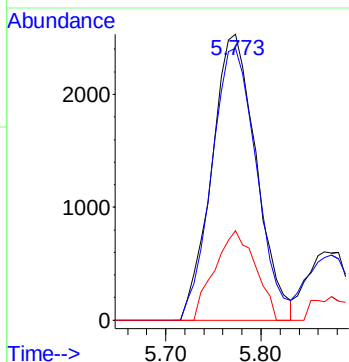
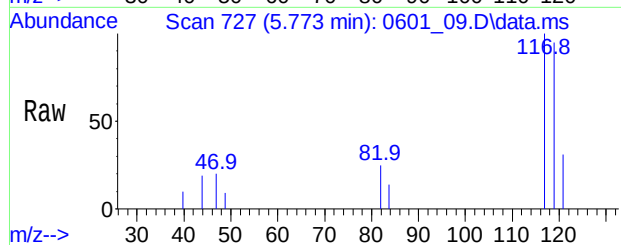
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	13981		
99	65.7	48.0	72.0	
61	46.8	47.5	71.3#	





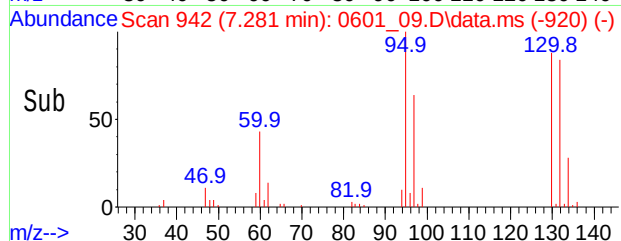
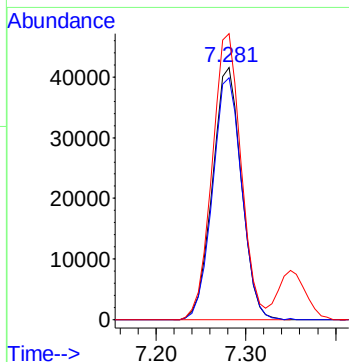
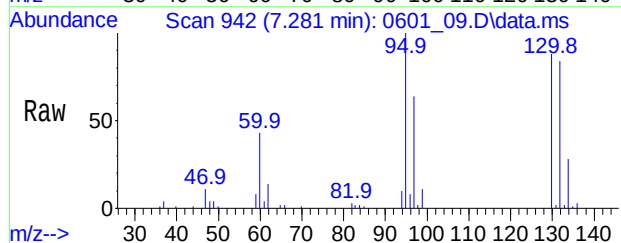
#34
Carbon Tetrachloride
Conc: 8\$ 0.203 ppbv
RT: 5.773 min Scan# 727
Delta R.T. -0.007 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am

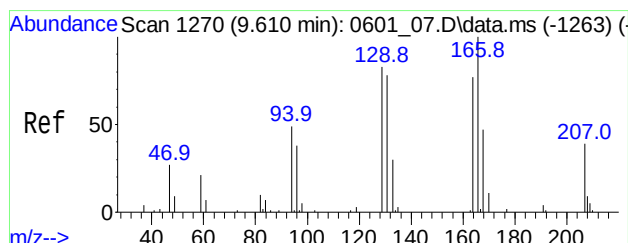
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	8215		
119	95.9	75.0	115.0	
121	28.6	6.8	46.8	



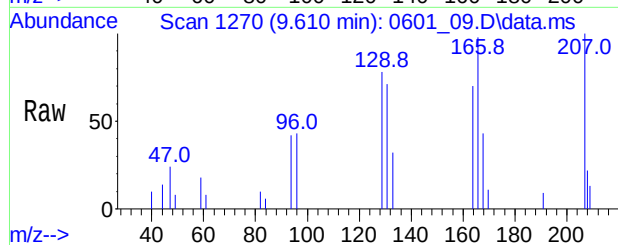
#39
Trichloroethene
Conc: 8\$ 3.538 ppbv
RT: 7.281 min Scan# 942
Delta R.T. 0.000 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	93178		
132	96.5	76.6	114.8	
95	113.6	89.6	134.4	

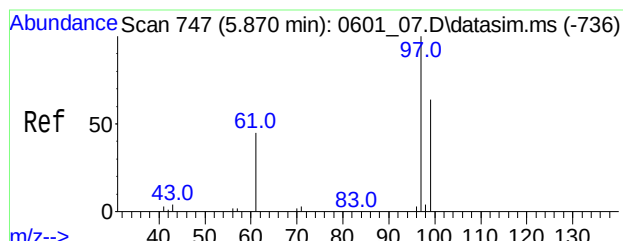
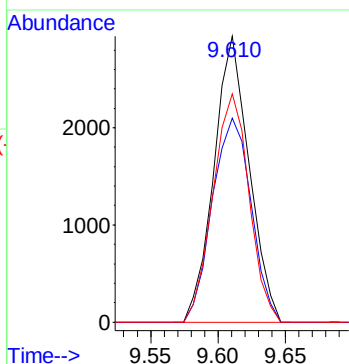
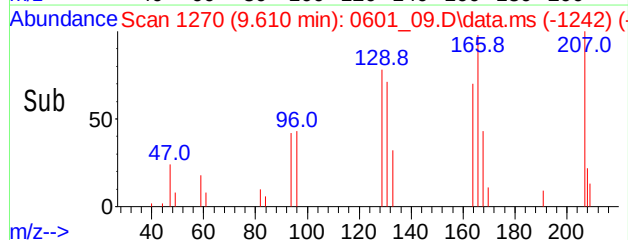




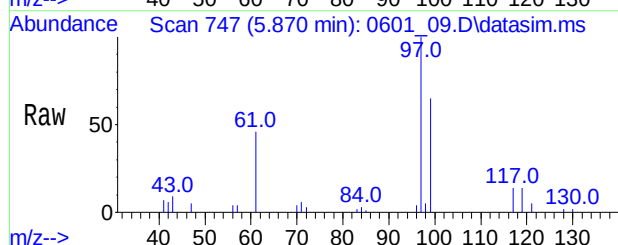
#52
Tetrachloroethene
Conc: 8\$ 0.162 ppbv
RT: 9.610 min Scan# 1270
Delta R.T. 0.000 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am



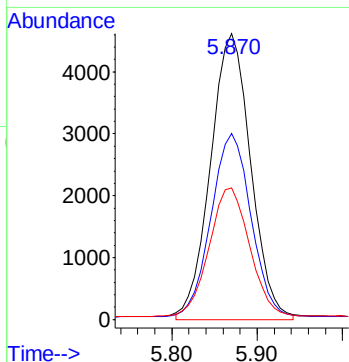
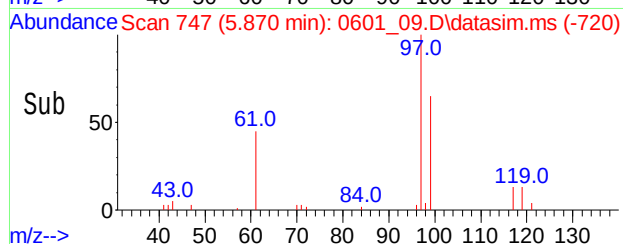
Tgt Ion: 166 Resp: 5341
Ion Ratio Lower Upper
166 100
164 78.7 61.0 91.6
129 81.7 63.7 95.5

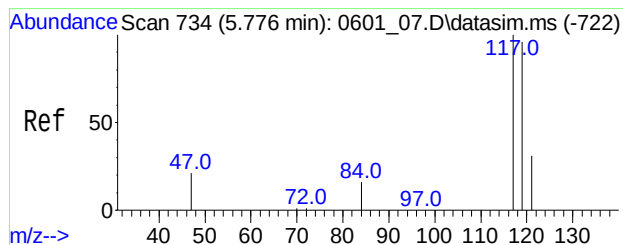


#85
1,1,1-Trichloroethane(sim)
Conc: 8\$ 0.340 ppbv
RT: 5.867 min Scan# 747
Delta R.T. -0.007 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am



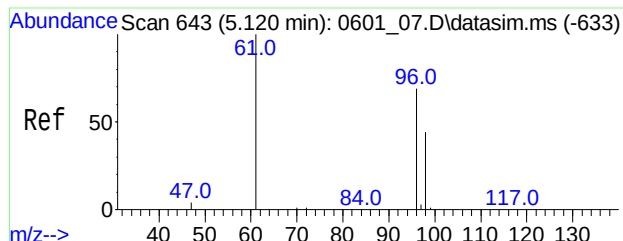
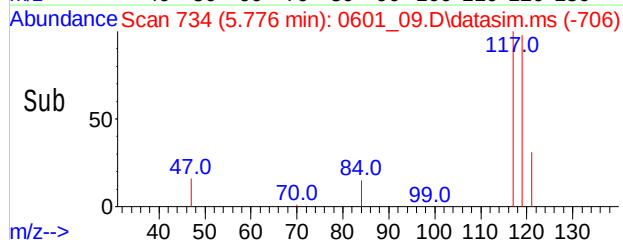
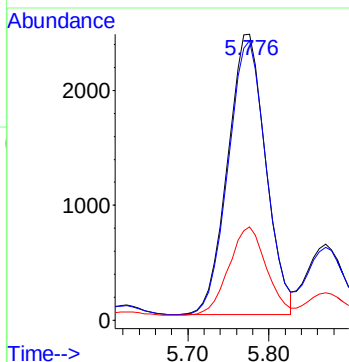
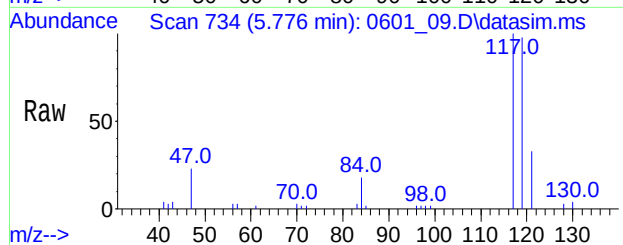
Tgt Ion: 97 Resp: 13981
Ion Ratio Lower Upper
97 100
99 65.7 60.0 60.0#
61 46.8 47.5 71.3#





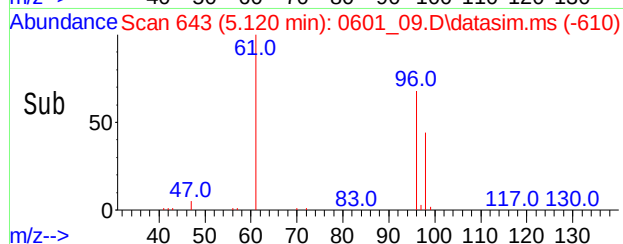
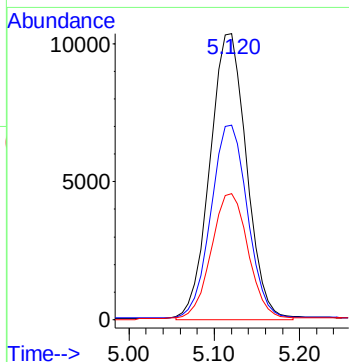
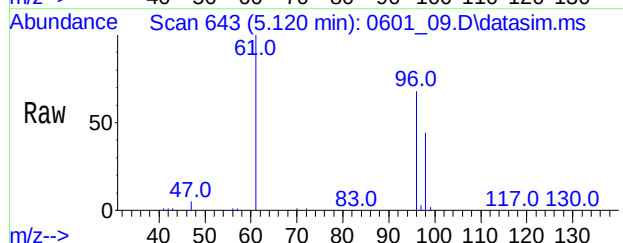
#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.200 ppbv
RT: 5.776 min Scan# 734
Delta R.T. -0.000 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am

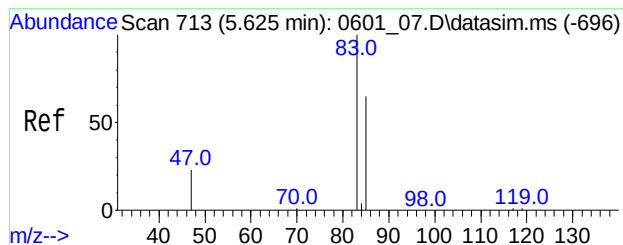
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	7971		
119	97.2	76.6	115.0	
121	31.3	24.6	36.8	



#91
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 1.039 ppbv
RT: 5.117 min Scan# 643
Delta R.T. -0.008 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am

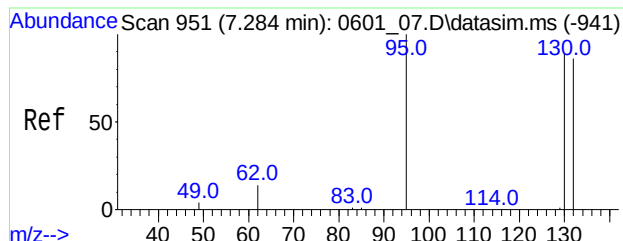
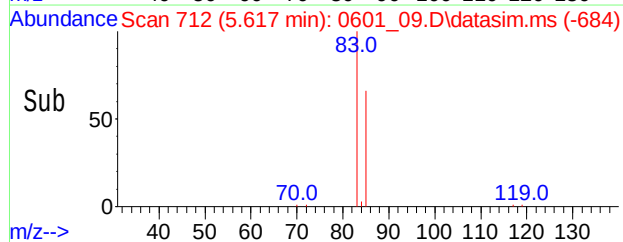
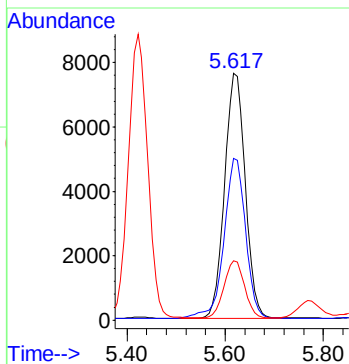
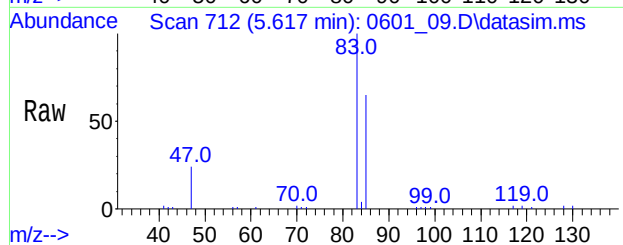
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	29197		
96	68.9	58.4	87.6	
98	44.3	33.0	49.4	





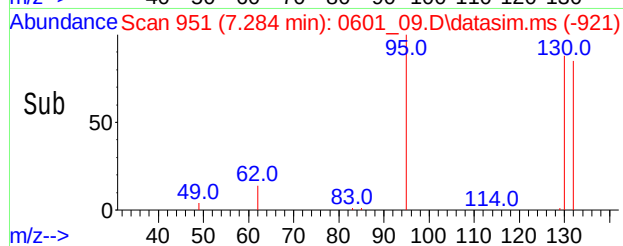
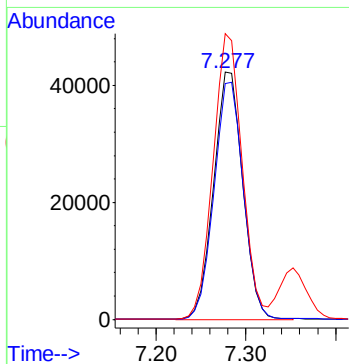
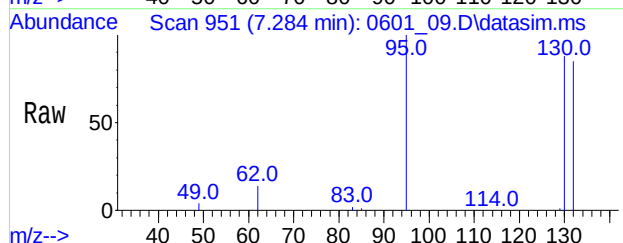
#92
Chloroform(sim)
Conc: 8\$ 0.508 ppbv
RT: 5.617 min Scan# 712
Delta R.T. -0.001 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am

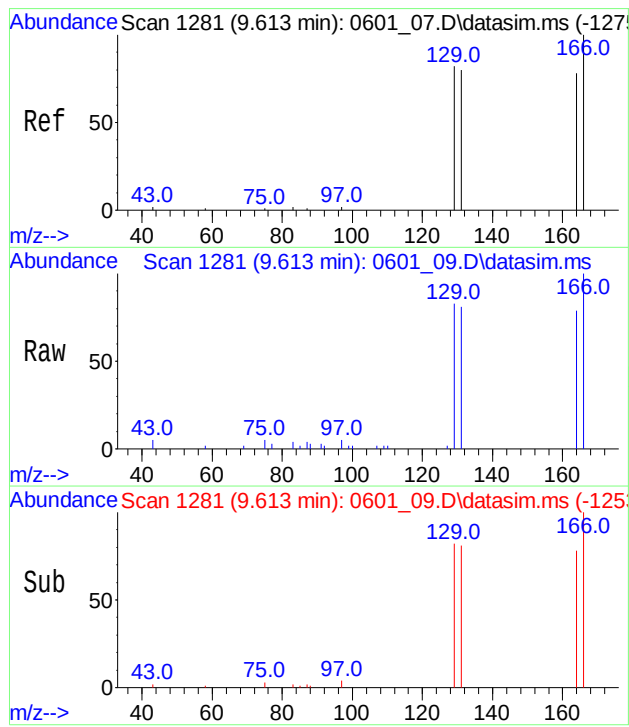
Tgt Ion: 83 Resp: 22442
Ion Ratio Lower Upper
83 100
85 68.0 52.6 78.8
47 23.1 19.3 28.9



#97
Trichloroethene(sim)
Conc: 8\$ 3.451 ppbv
RT: 7.281 min Scan# 951
Delta R.T. 0.000 min
Lab File: 0601_09.D
Acq: 1 Jun 2020 10:37 am

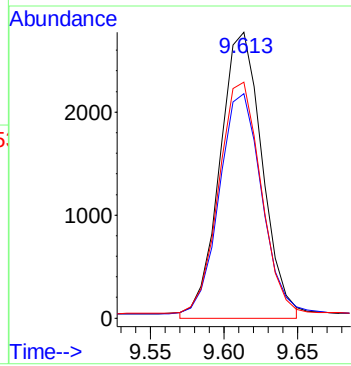
Tgt Ion: 130 Resp: 93178
Ion Ratio Lower Upper
130 100
132 96.5 74.3 111.5
95 113.6 89.6 134.4





#103
 Tetrachloroethene(sim)
 Conc: 8\$ 0.157 ppbv
 RT: 9.610 min Scan# 1281
 Delta R.T. 0.000 min
 Lab File: 0601_09.D
 Acq: 1 Jun 2020 10:37 am

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	5224		
164	80.5	56.3	96.3	
129	83.6	59.6	99.6	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

BLOWER-1

SDG No.: GCG03886

Lab Sample ID: CG03911

Canister: 12862

Lab File ID: 0601_19.D

Instrument: CHEM20 Column: RTX-1 60M

Date Received: 06/01/20

Purge Volume 200 (cc)

Date Analyzed: 06/01/20

Matrix: AIR

Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.798		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	15.3	S	0.531	0.531	r
67-64-1	Acetone	75.4	ES	0.421	0.421	
75-69-4	Trichlorofluoromethane	0.436		0.178	0.178	r
67-63-0	Isopropylalcohol	1.94	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
75-34-3	1,1-Dichloroethane	1.19		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	1.12		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	5.14		0.051	0.051	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
67-66-3	Chloroform	2.60		0.205	0.205	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-55-6	1,1,1-Trichloroethane	2.17		0.183	0.183	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride	1.09		0.032	0.032	r
110-82-7	Cyclohexane	0.436		0.291	0.291	r
79-01-6	Trichloroethene	20.2		0.037	0.037	r
142-82-5	Heptane	0.315		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.299		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.663		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
127-18-4	Tetrachloroethene	0.825		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.233		0.230	0.230	r
179601-23-1	m,p-Xylene	0.506		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CG03911
Canister:	12862	Lab File ID:	0601_19.D
Instrument:	CHEM20	Column:	RTX-1 60M
Purge Volume	200	(cc)	
		Date Received:	06/01/20
		Date Analyzed:	06/01/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.084		0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
75-35-4	1,1-Dichloroethene(sim)	0.119		0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_19.D
 Acq On : 1 Jun 2020 7:37 pm
 Operator :
 Client ID : BLOWER-1
 Lab ID : CG03911
 ALS Vial : 16 Sample Multiplier: 1

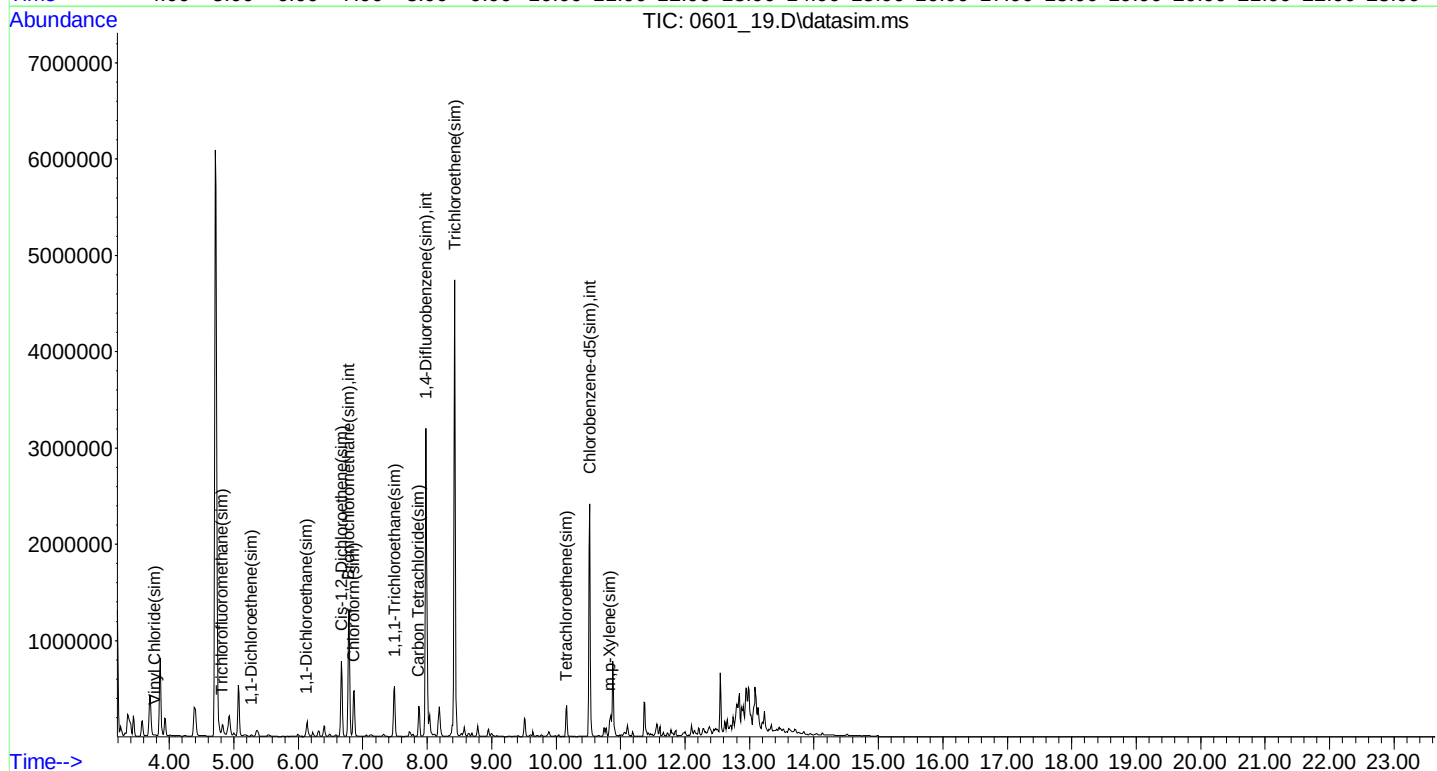
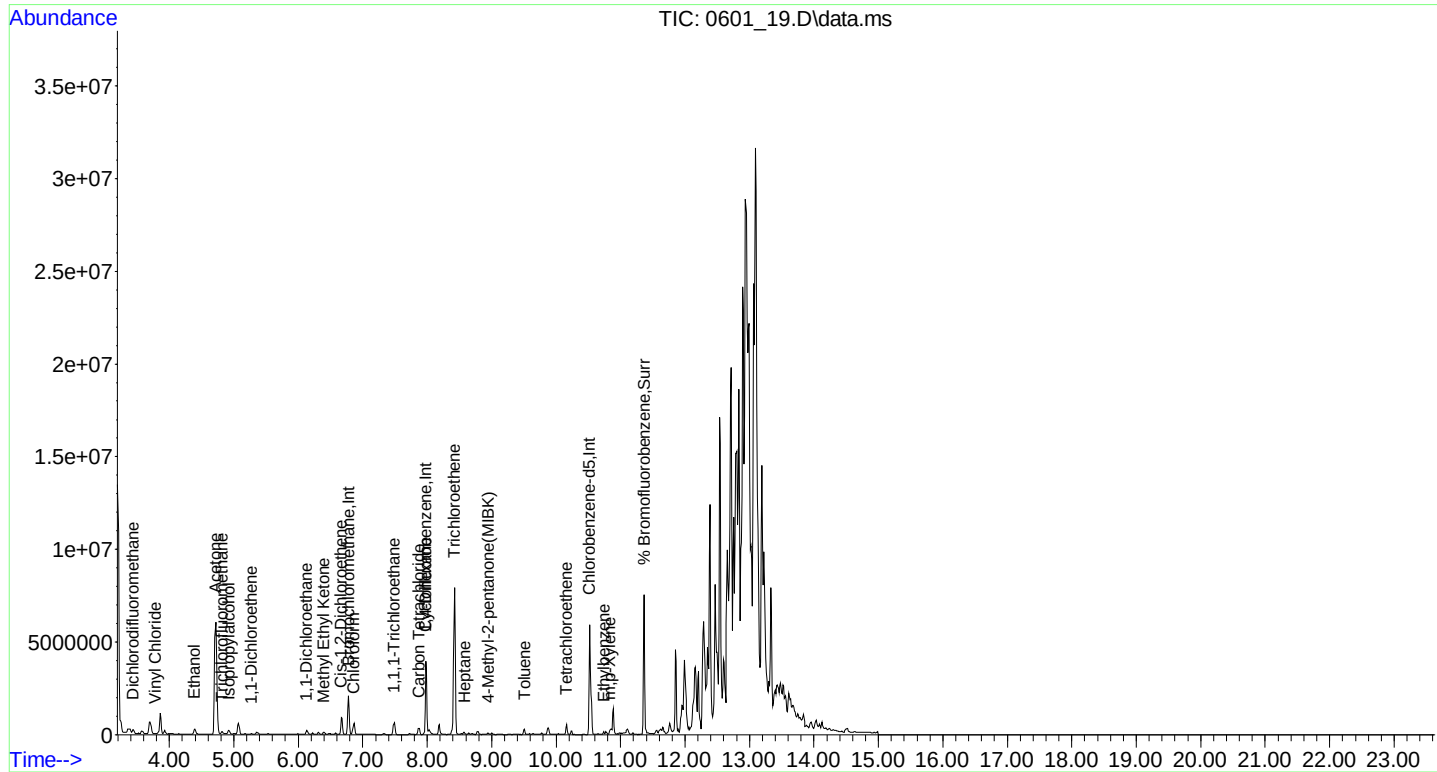
Quant Time: Jun 02 08:22:58 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

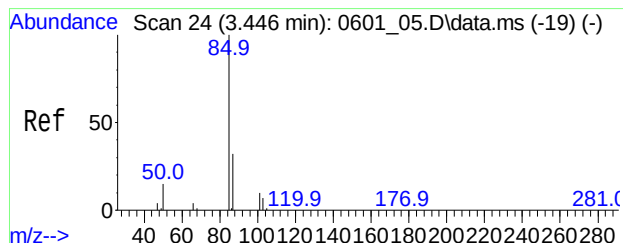
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.780	130	622598	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.976	114	2429188	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1373026	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.785	130	667047	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.982	114	2784241	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1512329	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1886429	9.546	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	95.50%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.436	85	171872	0.798	ppbv	99
6) Vinyl Chloride	3.781	62	7096	0.093	ppbv	77
11) Ethanol	4.395	45	371283	15.258	ppbv	99
12) Acetone	4.718	43	8677660	75.411	ppbv	95
13) Trichlorofluoromethane	4.815	101	96473	0.436	ppbv	97
14) Isopropylalcohol	4.923	45	247453	1.944	ppbv	98
16) 1,1-Dichloroethene	5.275	61	17220	0.115	ppbv#	89
23) 1,1-Dichloroethane	6.132	63	160958	1.188	ppbv	98
25) Methyl Ethyl Ketone	6.400	43	137689	1.124	ppbv	97
26) Cis-1,2-Dichloroethene	6.665	61	596092	5.143	ppbv	99
28) Chloroform	6.863	83	400559	2.603	ppbv	98
32) 1,1,1-Trichloroethane	7.488	97	351721	2.170	ppbv	98
34) Carbon Tetrachloride	7.876	117	201020	1.087	ppbv	97
35) Cyclohexane	7.976	84	25487	0.436	ppbv#	48
39) Trichloroethene	8.422	130	1896624	20.194	ppbv	99
43) Heptane	8.578	43	43525	0.315	ppbv#	87
45) 4-Methyl-2-pentanone(M...)	8.945	43	58680	0.299	ppbv#	87
48) Toluene	9.510	91	148291	0.663	ppbv	99
52) Tetrachloroethene	10.161	166	112743	0.825	ppbv	96
56) Ethylbenzene	10.744	91	66139	0.233	ppbv	99
57) m,p-Xylene	10.836	91	120131	0.506	ppbv	94
82) Vinyl Chloride(sim)	3.776	62	7353	0.084	ppbv	96
84) Trichlorofluoromethane...	4.821	101	103410	0.418	ppbv#	100
86) 1,1,1-Trichloroethane(...)	7.494	97	403311	2.153	ppbv#	98
87) Carbon Tetrachloride(sim)	7.876	117	201020	1.064	ppbv	97
88) 1,1-Dichloroethene(sim)	5.272	61	19356	0.119	ppbv	95
91) 1,1-Dichloroethane(sim)	6.132	63	160958	1.069	ppbv	99
92) Cis-1,2-Dichloroethene...	6.671	61	582988	4.944	ppbv	95
93) Chloroform(sim)	6.863	83	400559	2.308	ppbv	98
97) Trichloroethene(sim)	8.422	130	1898785	19.407	ppbv	99
103) Tetrachloroethene(sim)	10.161	166	112743	0.797	ppbv	96
106) m,p-Xylene(sim)	10.831	91	136389	0.572	ppbv	99

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
Data File : 0601_19.D
Acq On : 1 Jun 2020 7:37 pm
Operator :
Client ID : BLOWER-1
Lab ID : CG03911
ALS Vial : 16 Sample Multiplier: 1

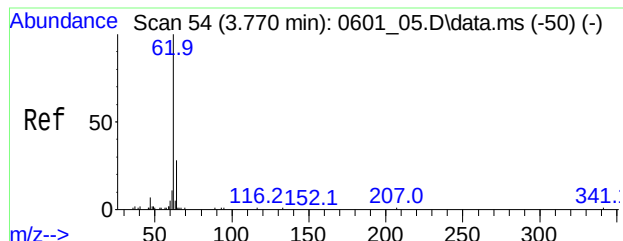
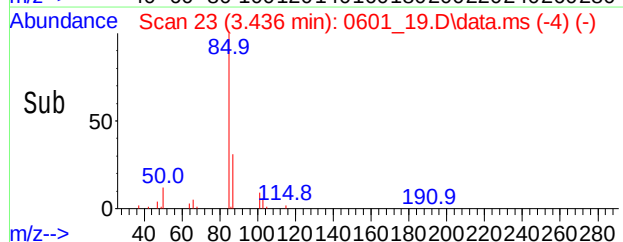
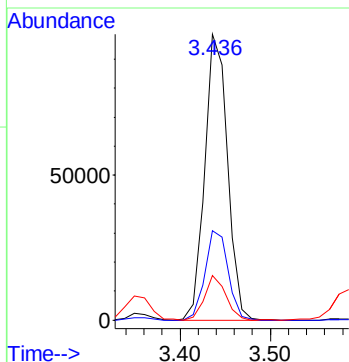
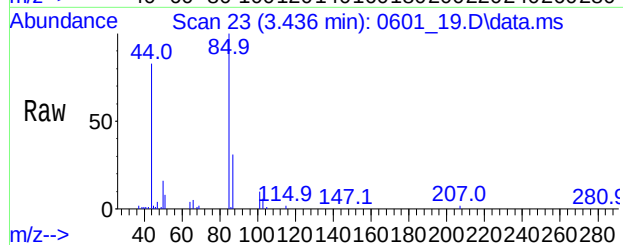
Quant Time: Jun 02 08:22:58 2020
Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Wed May 27 10:44:12 2020
Response via : Initial Calibration





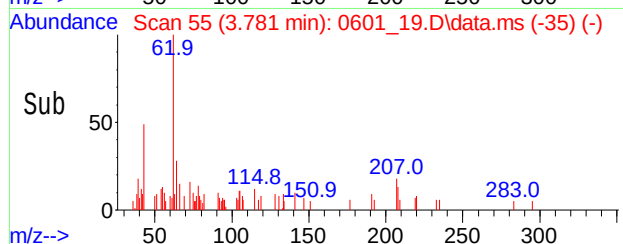
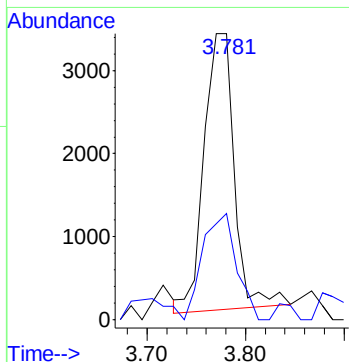
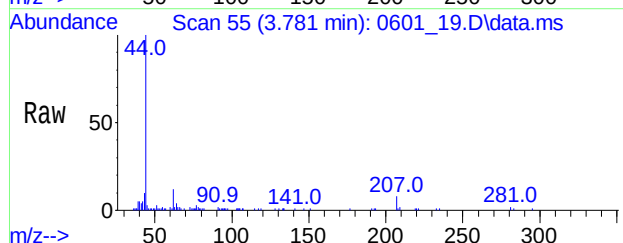
#3
Dichlorodifluoromethane
Conc: 8\$ 0.798 ppbv
RT: 3.436 min Scan# 23
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

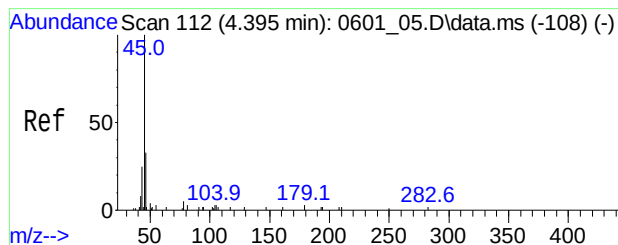
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	171872		
87	31.7	25.7	38.5	
50	14.7	11.0	16.6	



#6
Vinyl Chloride
Conc: 8\$ Below Cal
RT: 3.781 min Scan# 55
Delta R.T. 0.011 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

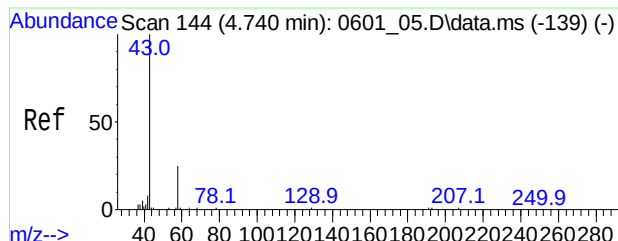
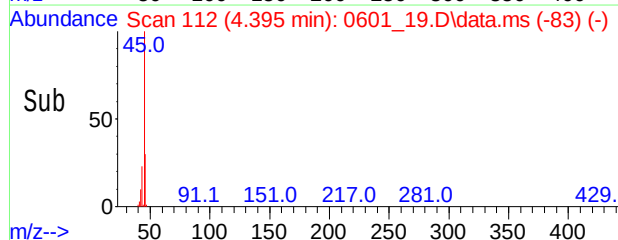
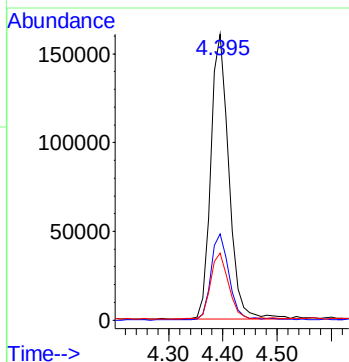
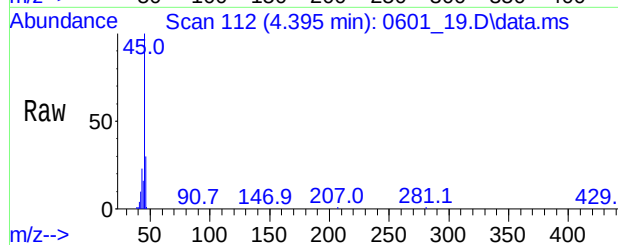
Tgt Ion	Ratio	Resp	Lower	Upper
62	100	7096		
64	42.9	10.5	50.5	





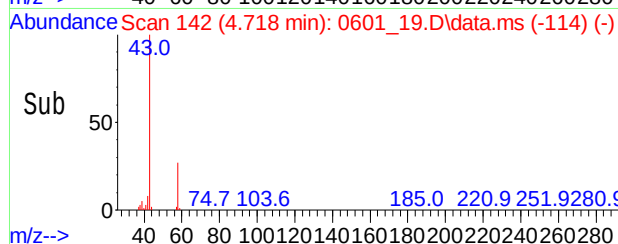
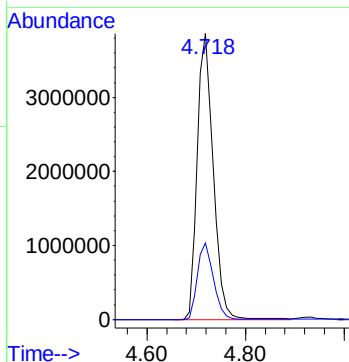
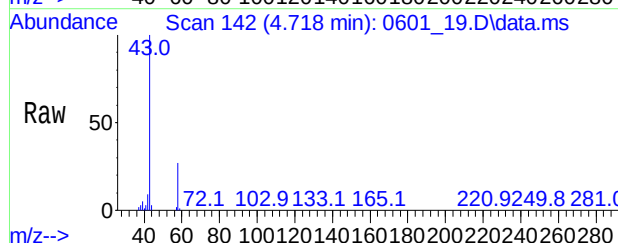
#11
Ethanol
Conc: 8\$ 15.258 ppbv
RT: 4.395 min Scan# 112
Delta R.T. 0.011 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

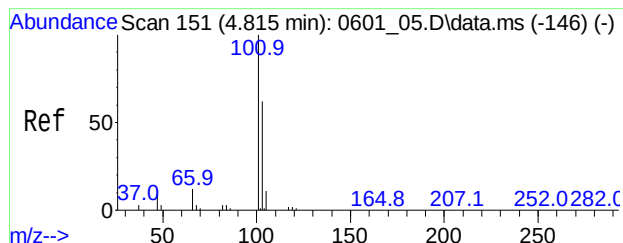
Tgt Ion	Ratio	Lower	Upper
45	100		
46	30.7	24.6	37.0
43	23.2	19.3	28.9



#12
Acetone
Conc: 8\$ 75.411 ppbv
RT: 4.718 min Scan# 142
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

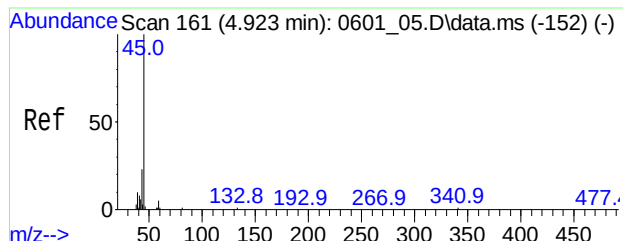
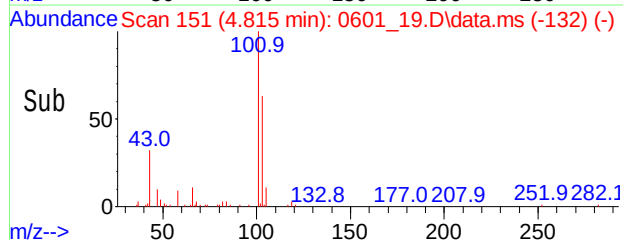
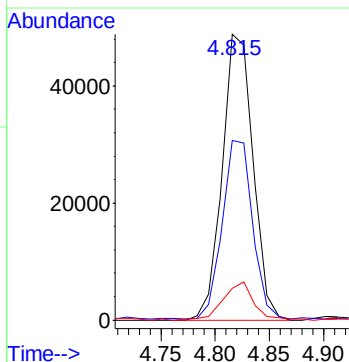
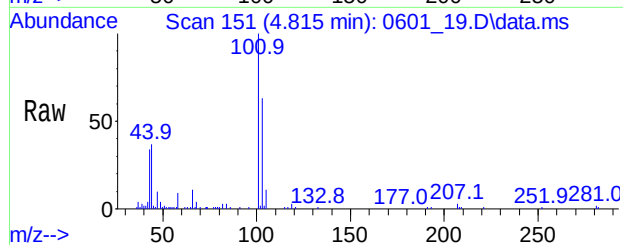
Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.9	23.8	35.8





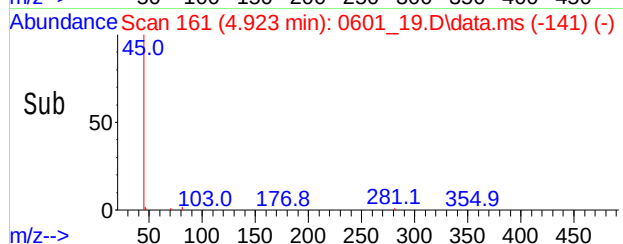
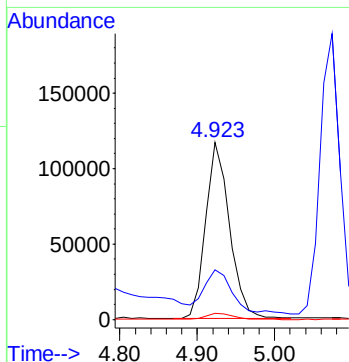
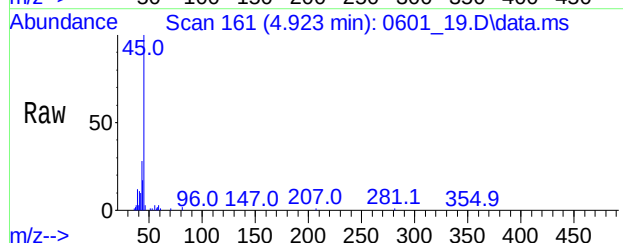
#13
Trichlorofluoromethane
Conc: 8\$ 0.436 ppbv
RT: 4.815 min Scan# 151
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

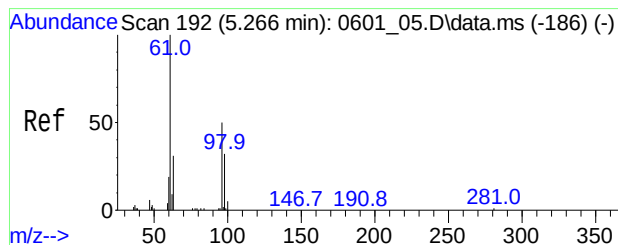
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	96473		
103	61.5	50.9	76.3	
66	13.2	10.0	15.0	



#14
Isopropylalcohol
Conc: 8\$ 1.944 ppbv
RT: 4.923 min Scan# 161
Delta R.T. 0.011 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

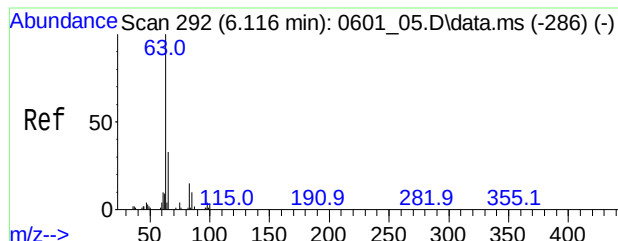
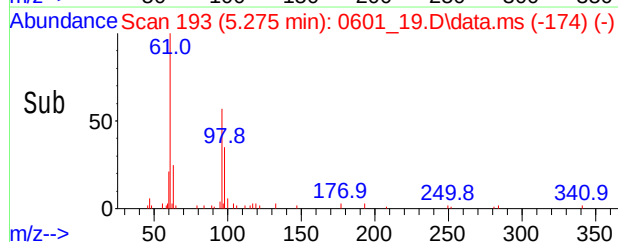
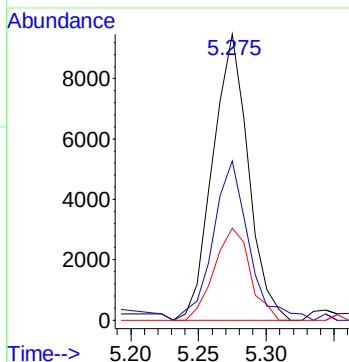
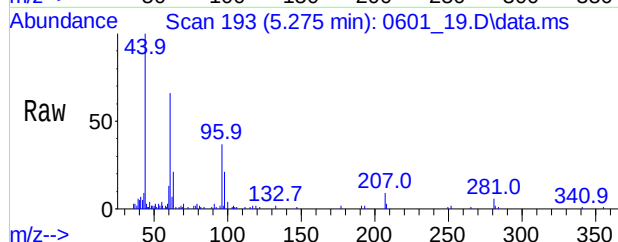
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	247453		
43	26.2	19.9	29.9	
59	4.2	3.6	5.4	





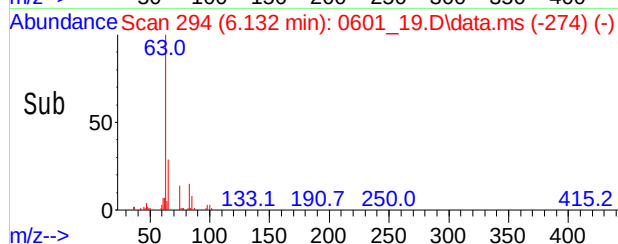
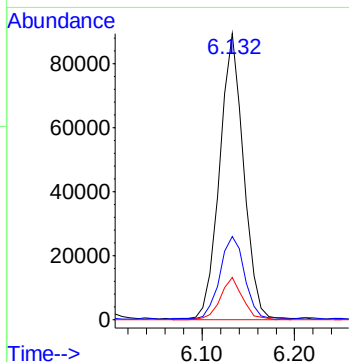
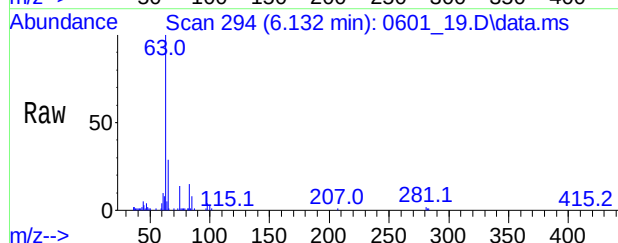
#16
1,1-Dichloroethene
Conc: 8\$ Below Cal
RT: 5.275 min Scan# 193
Delta R.T. 0.009 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

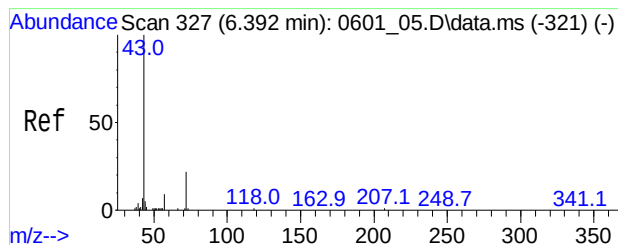
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	17220		
96	56.2	36.6	55.0#	
98	32.4	23.8	35.8	



#23
1,1-Dichloroethane
Conc: 8\$ 1.188 ppbv
RT: 6.132 min Scan# 294
Delta R.T. 0.008 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

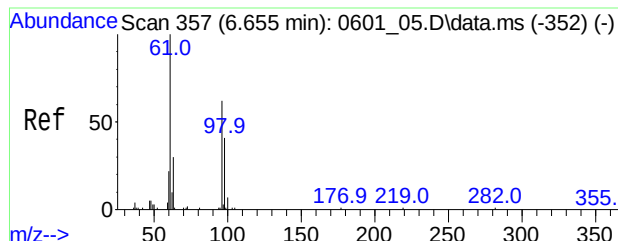
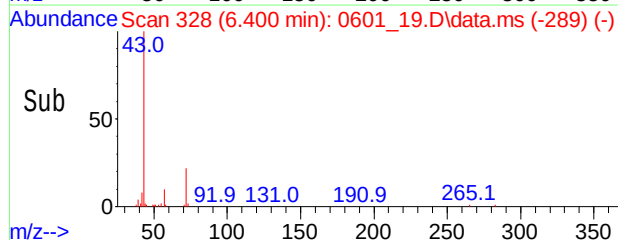
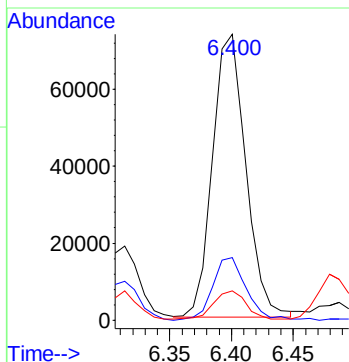
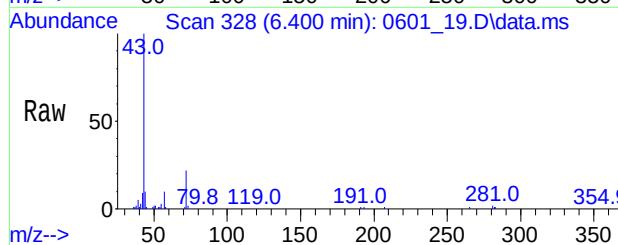
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	160958		
65	29.9	10.7	50.7	
83	13.6	0.0	32.4	





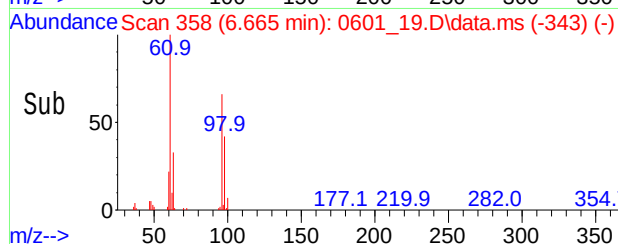
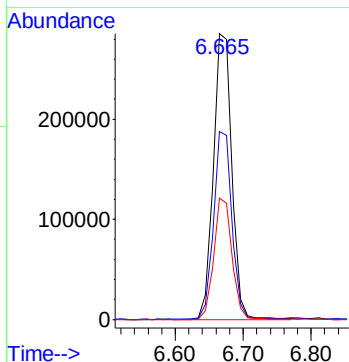
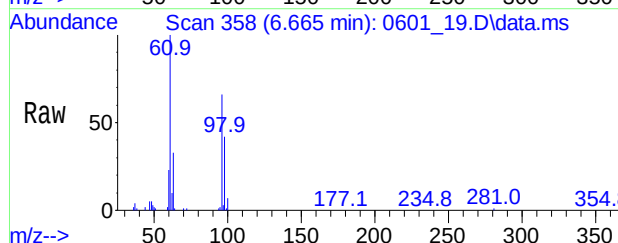
#25
Methyl Ethyl Ketone
Conc: 8\$ 1.124 ppbv
RT: 6.400 min Scan# 328
Delta R.T. 0.008 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

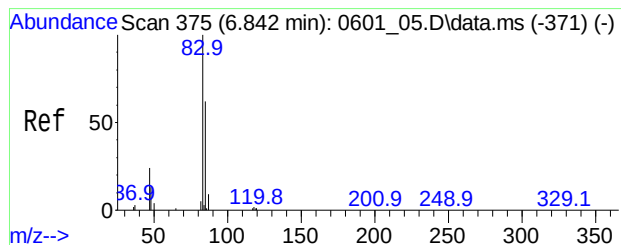
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	137689		
72	22.1	19.0	28.4	
57	9.9	8.6	12.8	



#26
Cis-1,2-Dichloroethene
Conc: 8\$ 5.143 ppbv
RT: 6.665 min Scan# 358
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

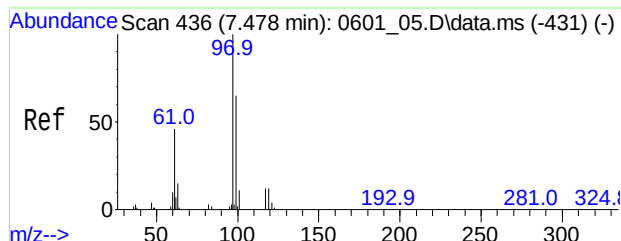
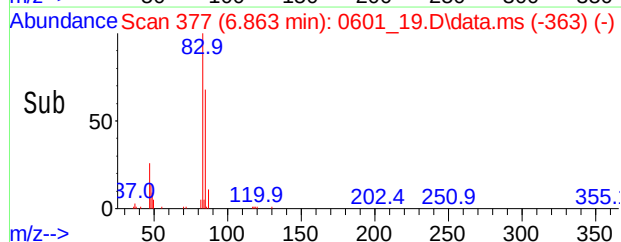
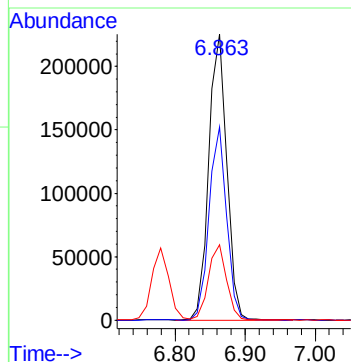
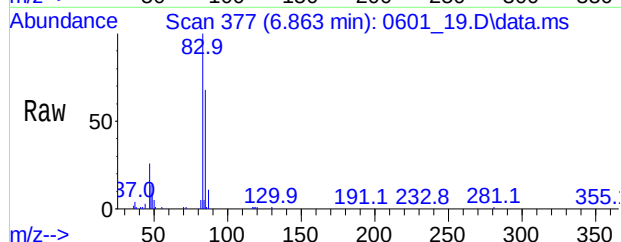
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	596092		
96	63.5	50.5	75.7	
98	41.9	32.3	48.5	





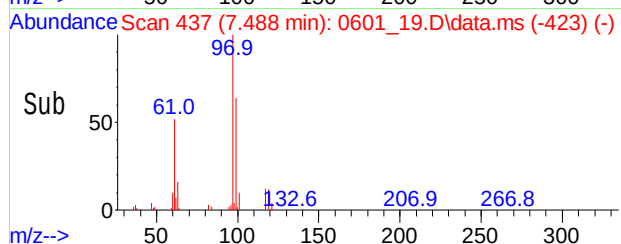
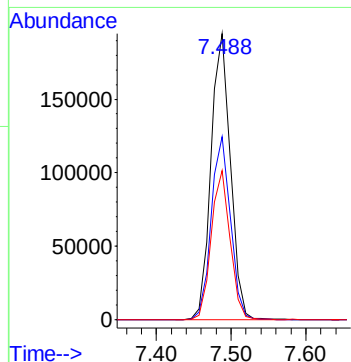
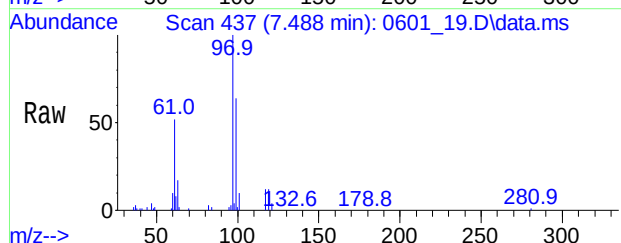
#28
Chloroform
Conc: 8\$ 2.603 ppbv
RT: 6.863 min Scan# 377
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

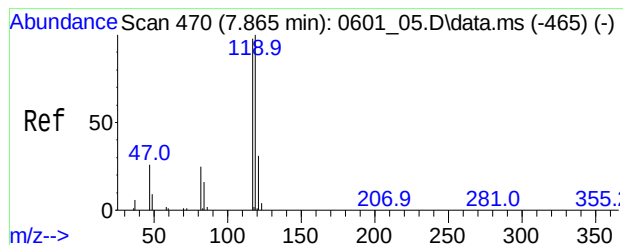
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	400559		
85	65.7	47.3		87.3
47	26.3	6.7		46.7



#32
1,1,1-Trichloroethane
Conc: 8\$ 2.170 ppbv
RT: 7.488 min Scan# 437
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

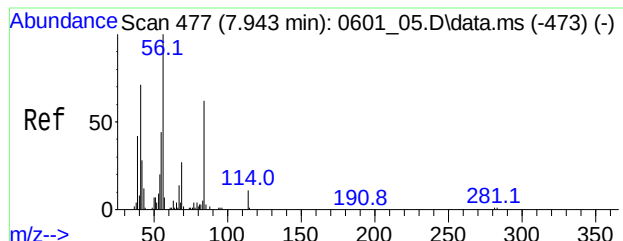
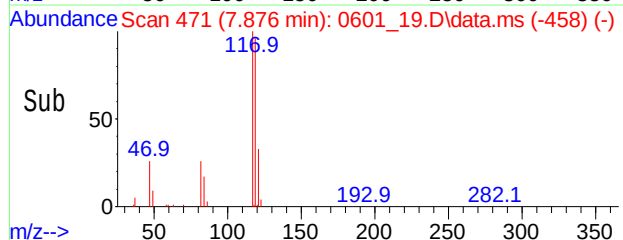
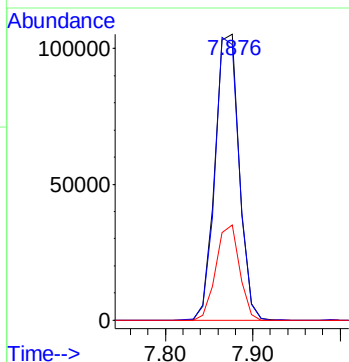
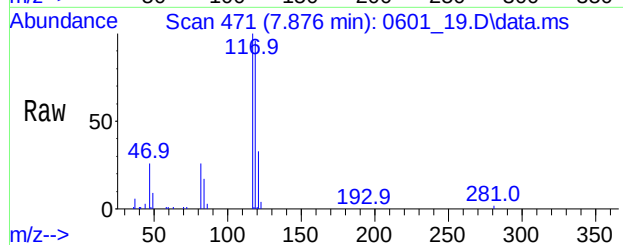
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	351721		
99	63.4	51.2		76.8
61	50.6	41.8		62.8





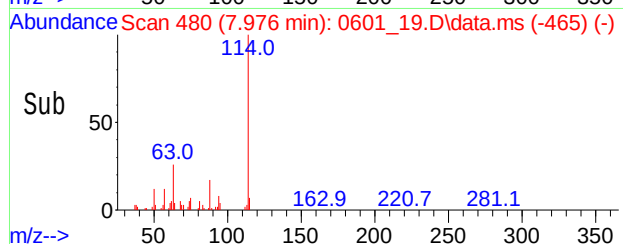
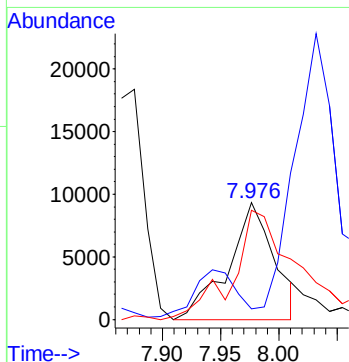
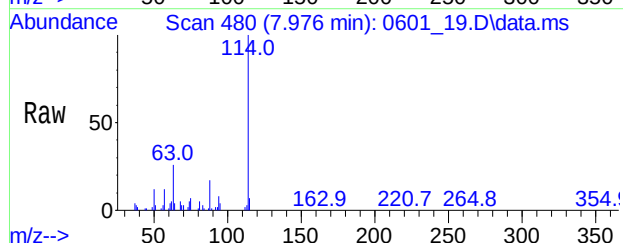
#34
Carbon Tetrachloride
Conc: 8\$ 1.087 ppbv
RT: 7.876 min Scan# 471
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

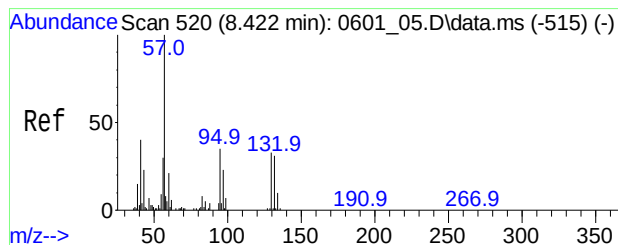
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	201020		
119	98.2	75.6	115.6	
121	32.4	10.3	50.3	



#35
Cyclohexane
Conc: 8\$ 0.436 ppbv
RT: 7.976 min Scan# 480
Delta R.T. 0.022 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

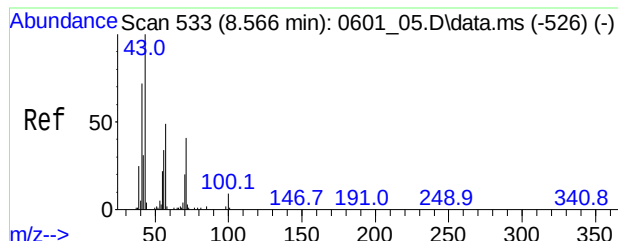
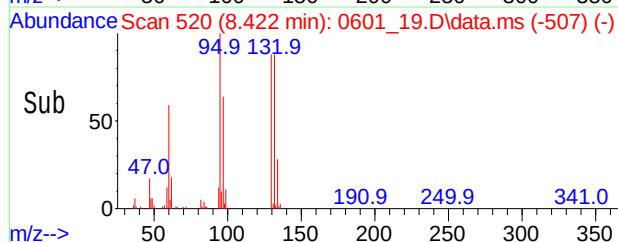
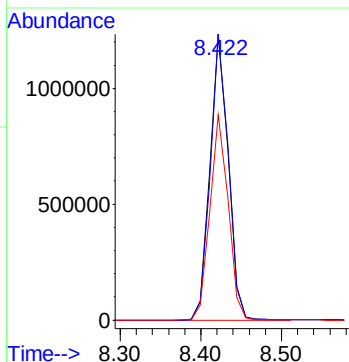
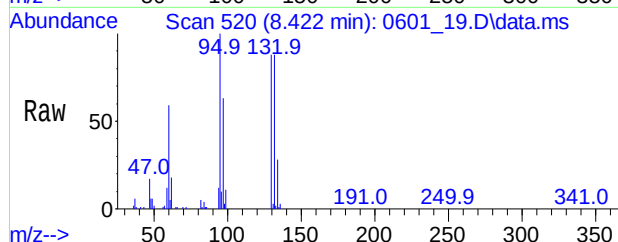
Tgt Ion	Ratio	Resp	Lower	Upper
84	100	25487		
41	37.4	90.3	135.5#	
55	99.5	62.2	93.4#	





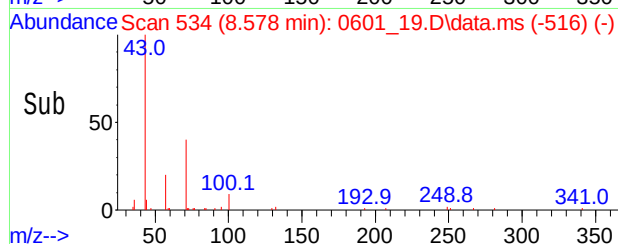
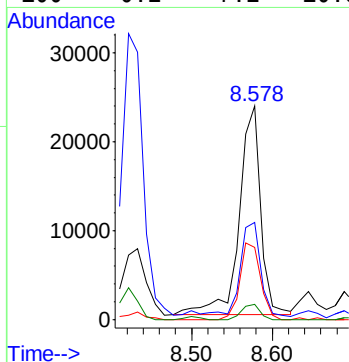
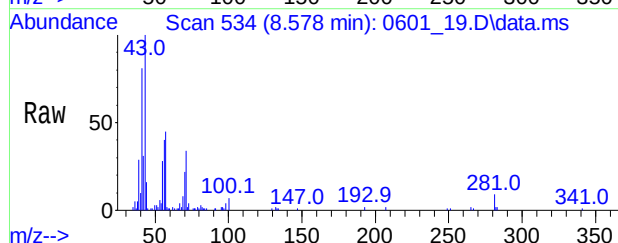
#39
Trichloroethene
Conc: 8\$ 20.194 ppbv
RT: 8.422 min Scan# 520
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

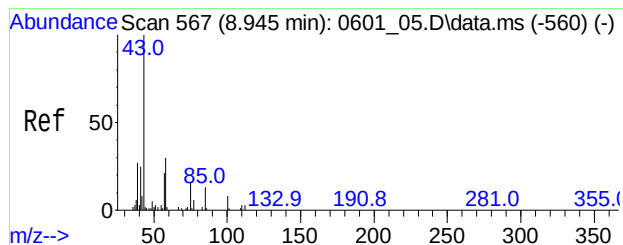
Tgt Ion	Ratio	Lower	Upper
130	100		
132	99.3	80.6	121.0
97	72.2	58.1	87.1



#43
Heptane
Conc: 8\$ 0.315 ppbv
RT: 8.578 min Scan# 534
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

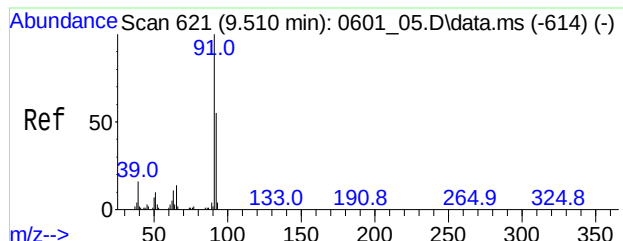
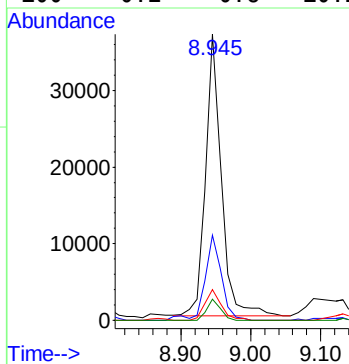
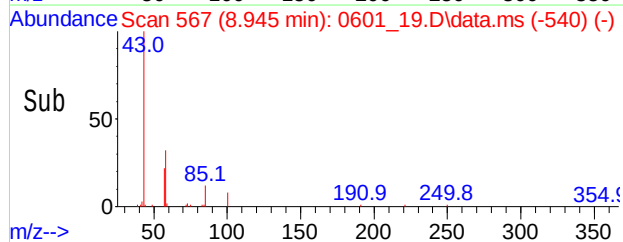
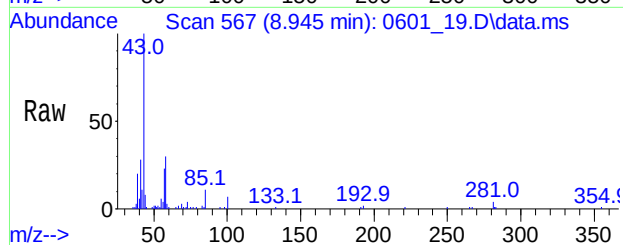
Tgt Ion	Ratio	Lower	Upper
43	100		
57	42.2	43.7	65.5#
71	35.1	32.4	48.6
100	6.2	7.2	10.8#





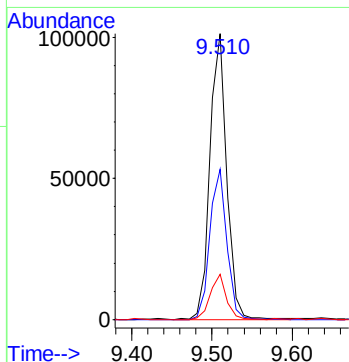
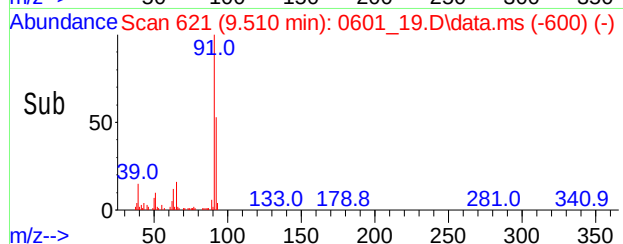
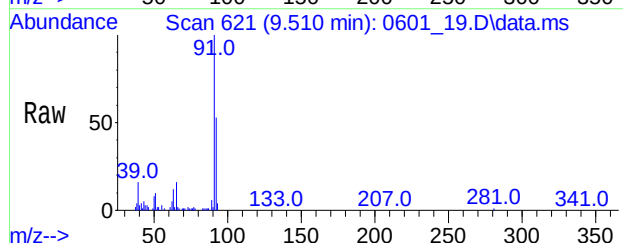
#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 0.299 ppbv
RT: 8.945 min Scan# 567
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

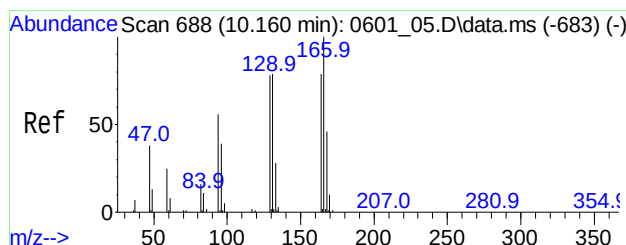
Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
58	30.9	32.2	48.2#	
85	11.1	13.3	19.9#	
100	6.2	6.8	10.2#	



#48
Toluene
Conc: 8\$ 0.663 ppbv
RT: 9.510 min Scan# 621
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

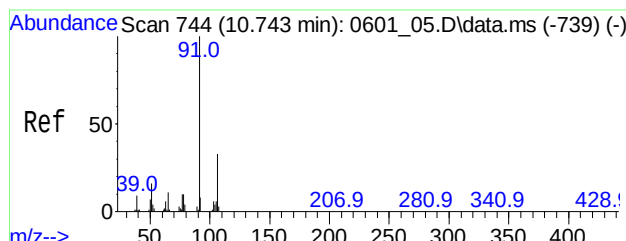
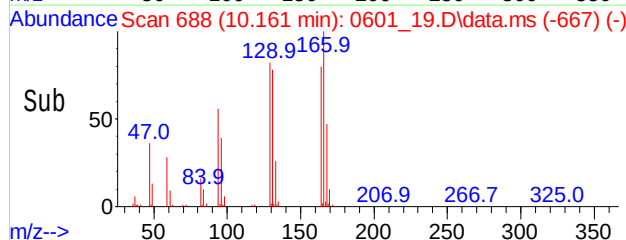
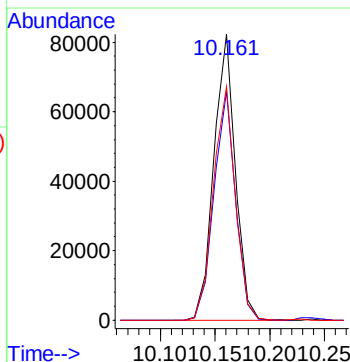
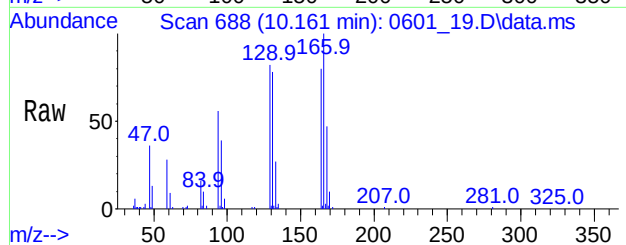
Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.2	43.6	65.4	
65	15.3	12.2	18.4	





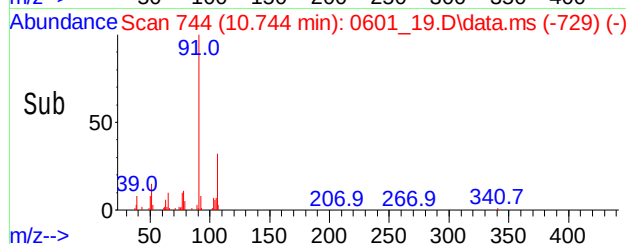
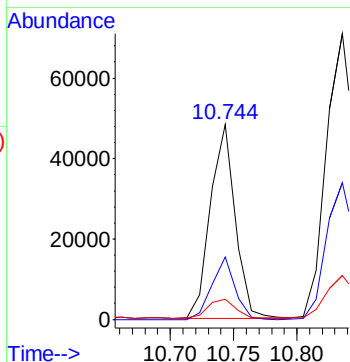
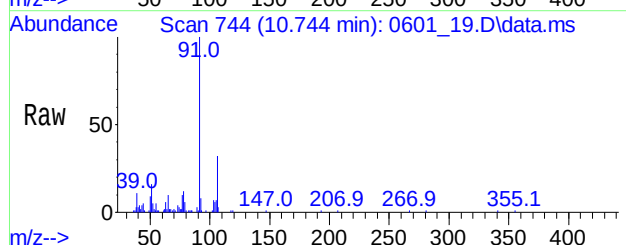
#52
Tetrachloroethene
Conc: 8\$ 0.825 ppbv
RT: 10.161 min Scan# 688
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

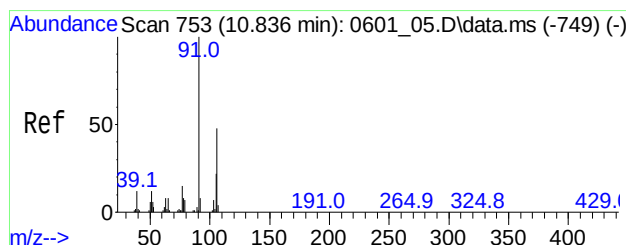
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	112743		
164	80.2	63.3	94.9	
129	82.9	61.2	91.8	



#56
Ethylbenzene
Conc: 8\$ 0.233 ppbv
RT: 10.744 min Scan# 744
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

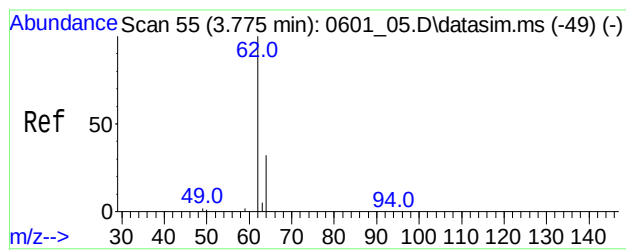
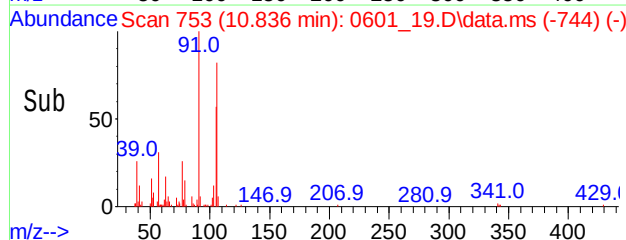
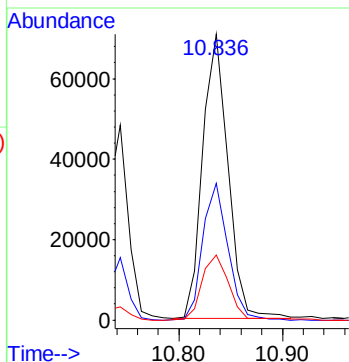
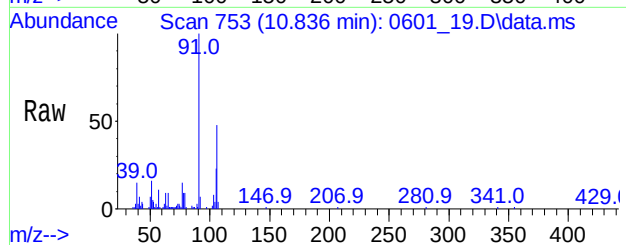
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	66139		
106	29.8	10.0	50.0	
77	11.3	0.0	29.9	





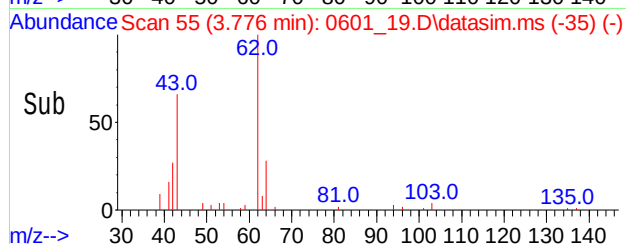
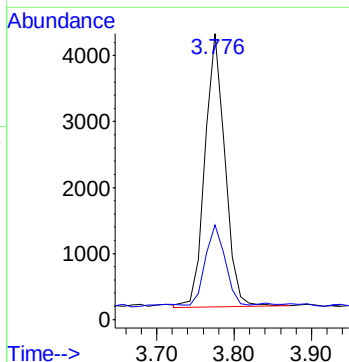
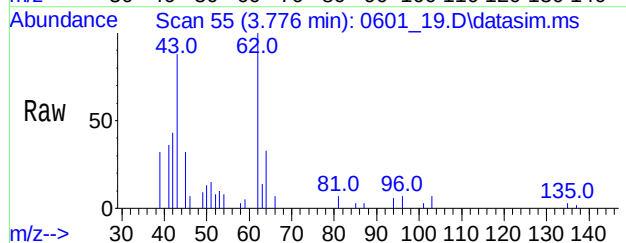
#57
m,p-Xylene
Conc: 8\$ 0.506 ppbv
RT: 10.836 min Scan# 753
Delta R.T. -0.010 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

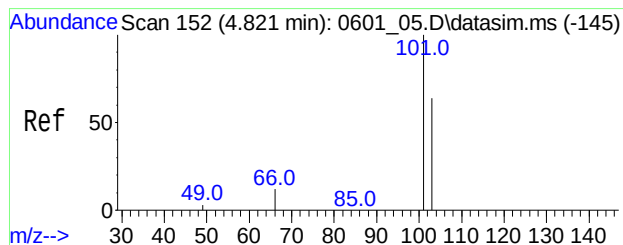
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	120131		
106	48.0	35.6	53.4	
105	24.6	17.1	25.7	



#82
Vinyl Chloride(sim)
Conc: 8\$ 0.084 ppbv
RT: 3.776 min Scan# 55
Delta R.T. 0.011 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

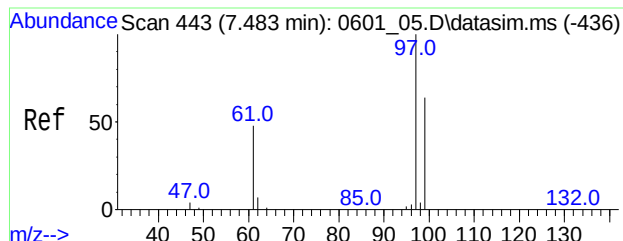
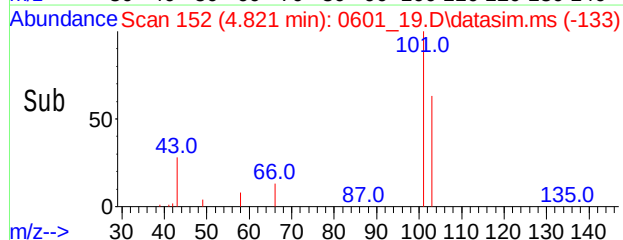
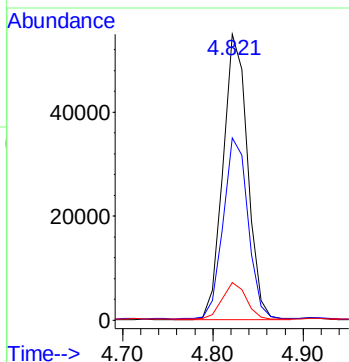
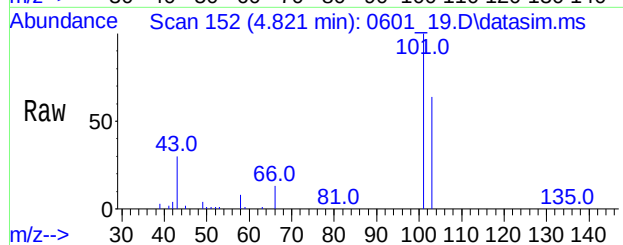
Tgt Ion	Ratio	Resp	Lower	Upper
62	100	7353		
64	28.8	24.6	37.0	





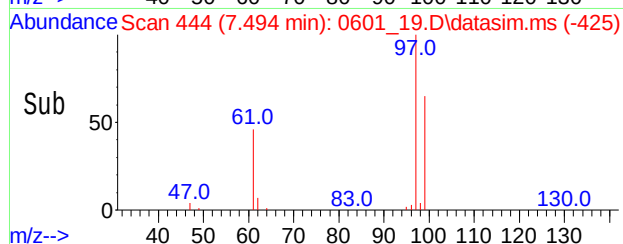
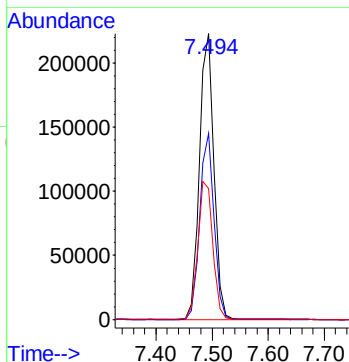
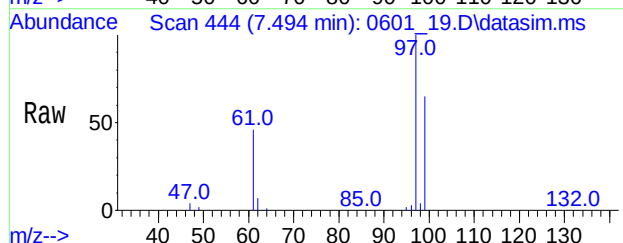
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.418 ppbv
RT: 4.821 min Scan# 152
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

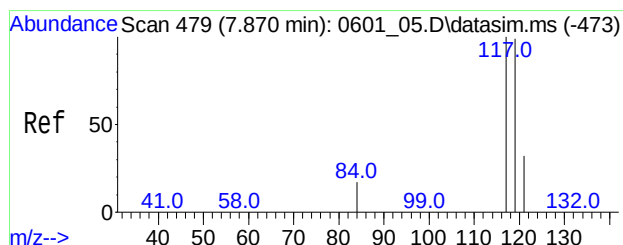
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	103410		
103	64.2	51.2	76.8	
66	12.5	12.8	12.8#	



#86
1,1,1-Trichloroethane(sim)
Conc: 8\$ 2.153 ppbv
RT: 7.494 min Scan# 444
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

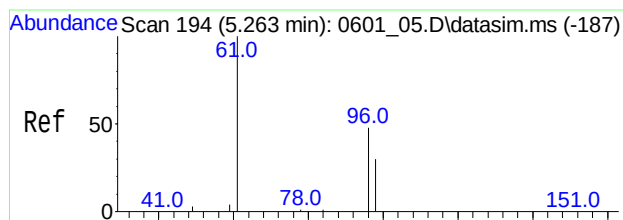
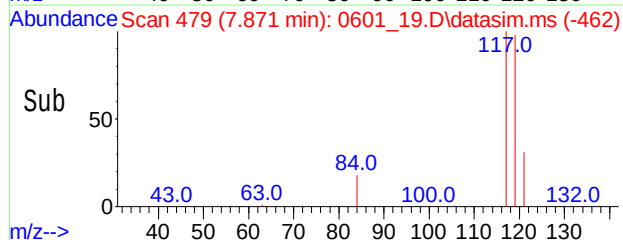
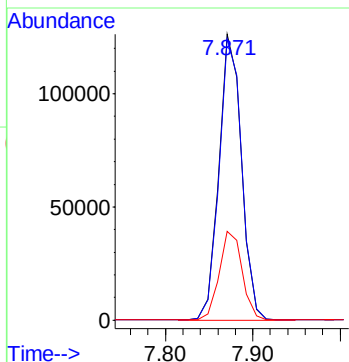
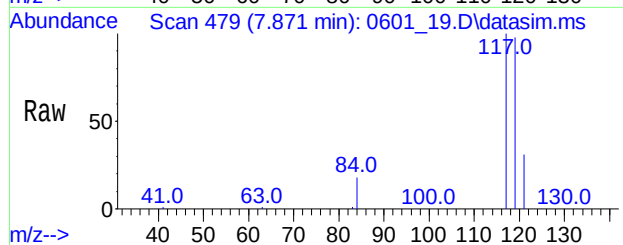
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	403311		
99	64.2	63.8	63.8#	
61	49.9	42.0	63.0	





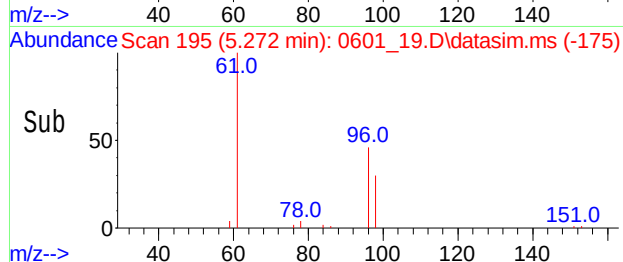
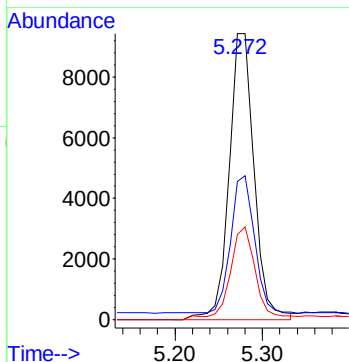
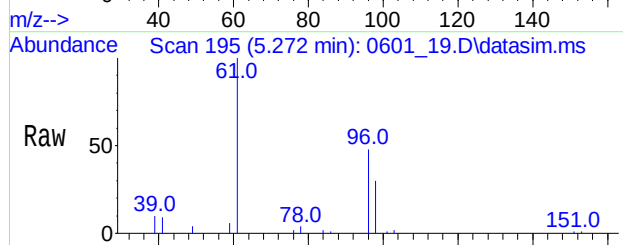
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 1.064 ppbv
RT: 7.876 min Scan# 479
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

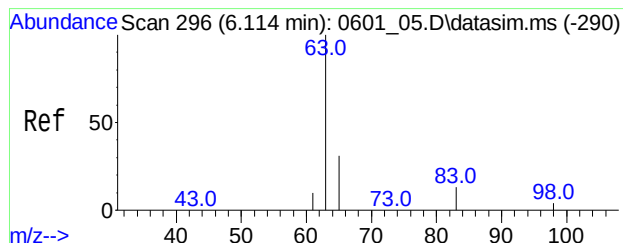
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	201020		
119	98.1	76.5		114.7
121	32.4	24.2		36.4



#88
1,1-Dichloroethene(sim)
Conc: 8\$ 0.119 ppbv
RT: 5.272 min Scan# 195
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

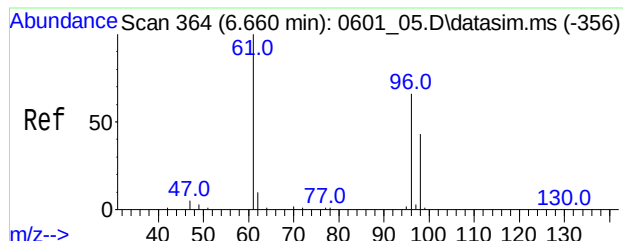
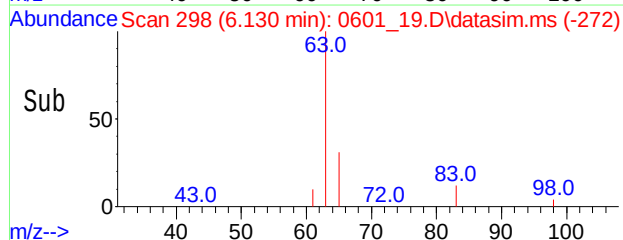
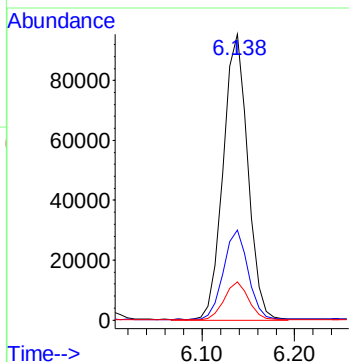
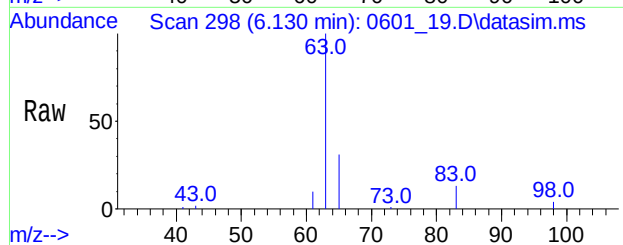
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	19356		
96	47.0	36.5		54.7
98	33.2	23.0		34.6





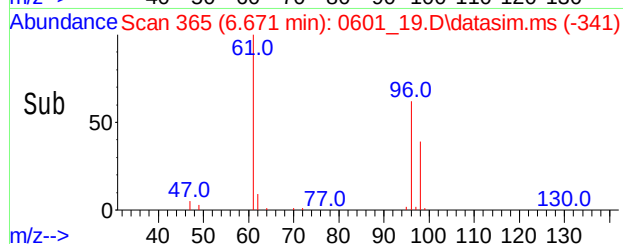
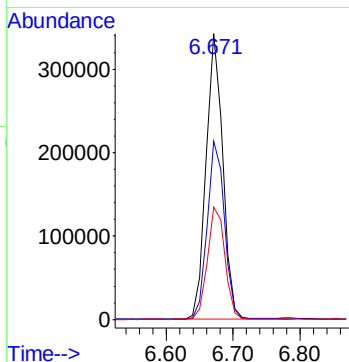
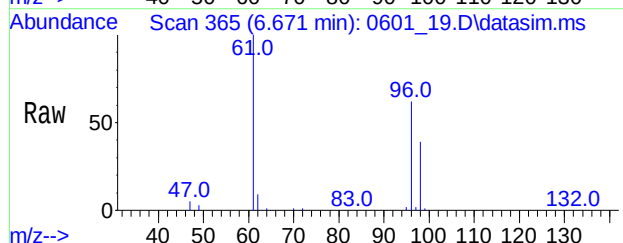
#91
1,1-Dichloroethane(sim)
Conc: 8\$ 1.069 ppbv
RT: 6.132 min Scan# 298
Delta R.T. 0.008 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

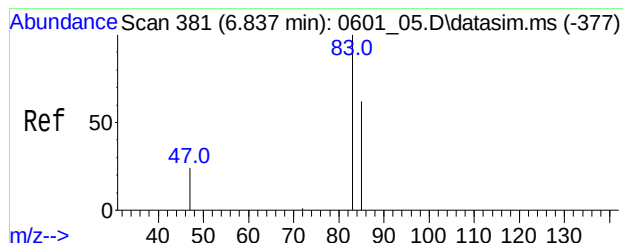
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	160958		
65	30.2	24.6	36.8	
83	13.6	9.9	14.9	



#92
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 4.944 ppbv
RT: 6.671 min Scan# 365
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

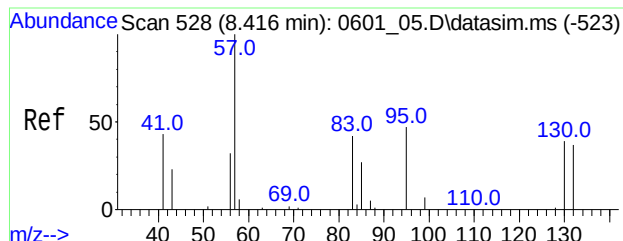
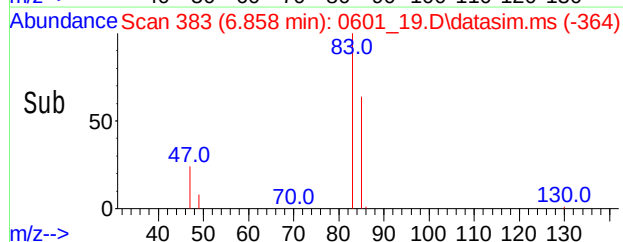
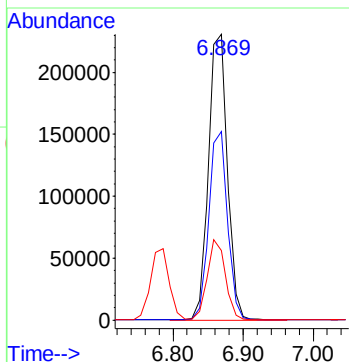
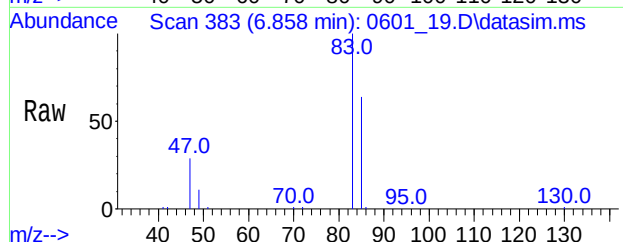
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	582988		
96	62.9	47.0	70.6	
98	41.1	30.7	46.1	





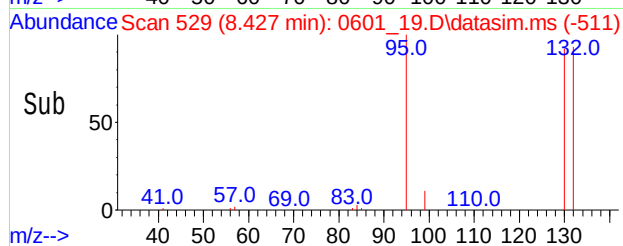
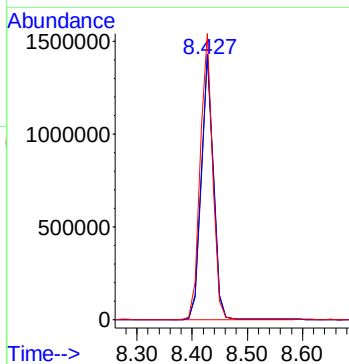
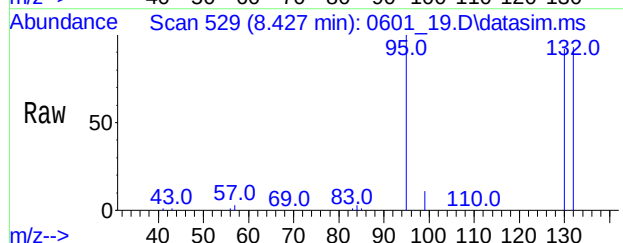
#93
Chloroform(sim)
Conc: 8\$ 2.308 ppbv
RT: 6.863 min Scan# 383
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

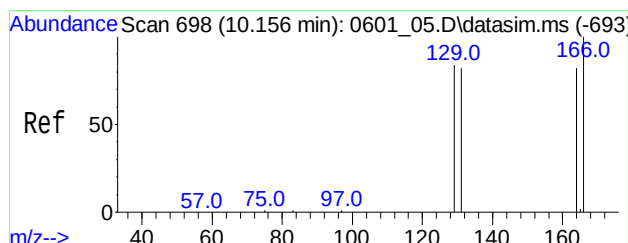
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	400559		
85	65.7	53.8	80.8	
47	26.5	21.4	32.0	



#97
Trichloroethene(sim)
Conc: 8\$ 19.407 ppbv
RT: 8.422 min Scan# 529
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

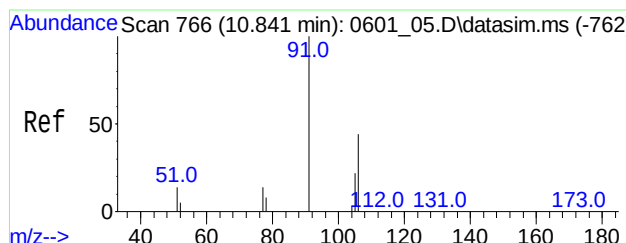
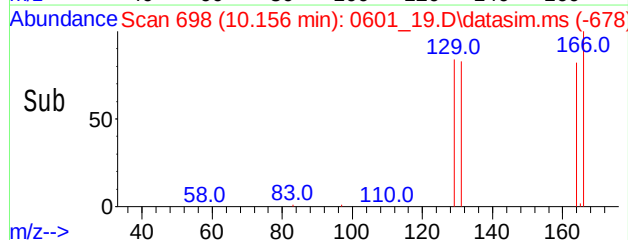
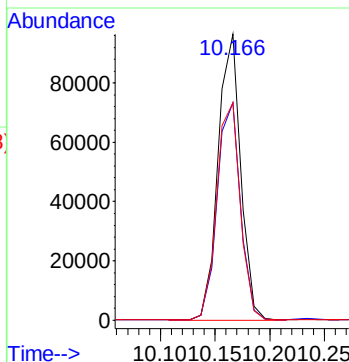
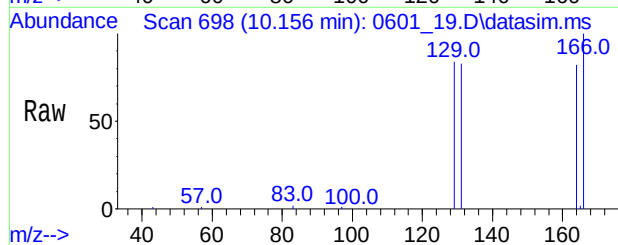
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	1898785		
132	99.3	80.6	120.8	
95	112.9	90.4	135.6	





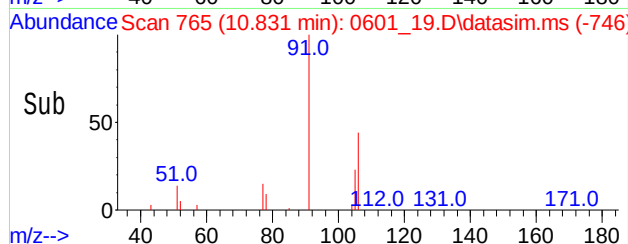
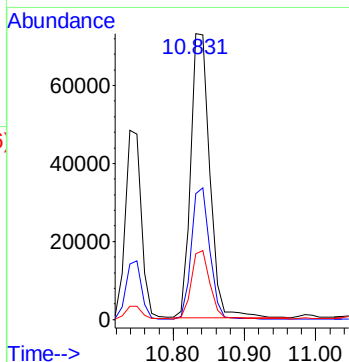
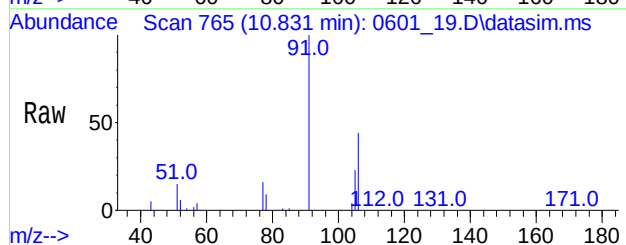
#103
Tetrachloroethene(sim)
Conc: 8\$ 0.797 ppbv
RT: 10.161 min Scan# 698
Delta R.T. -0.000 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	112743		
164	80.2	59.1		99.1
129	82.9	56.6		96.6



#106
m,p-Xylene(sim)
Conc: 8\$ 0.572 ppbv
RT: 10.831 min Scan# 765
Delta R.T. -0.010 min
Lab File: 0601_19.D
Acq: 1 Jun 2020 7:37 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	136389		
106	44.7	40.1		49.0
105	23.5	17.3		25.9



CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

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Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0602_01.D
 Acq On : 1 Jun 2020 11:49 pm
 Operator :
 Client ID : BLOWER-1 20X
 Lab ID : CG03911 20X
 ALS Vial : 21 Sample Multiplier: 1

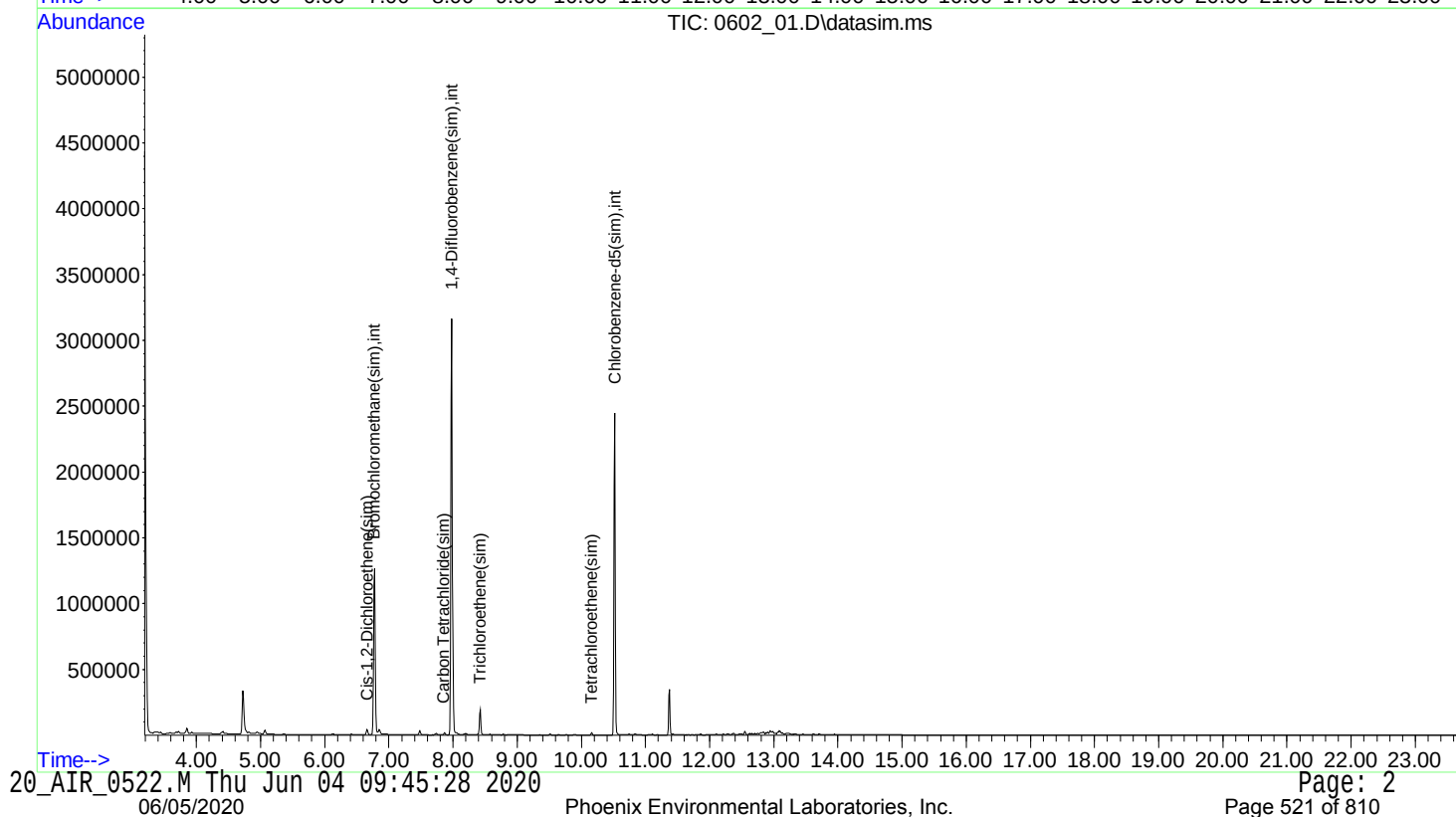
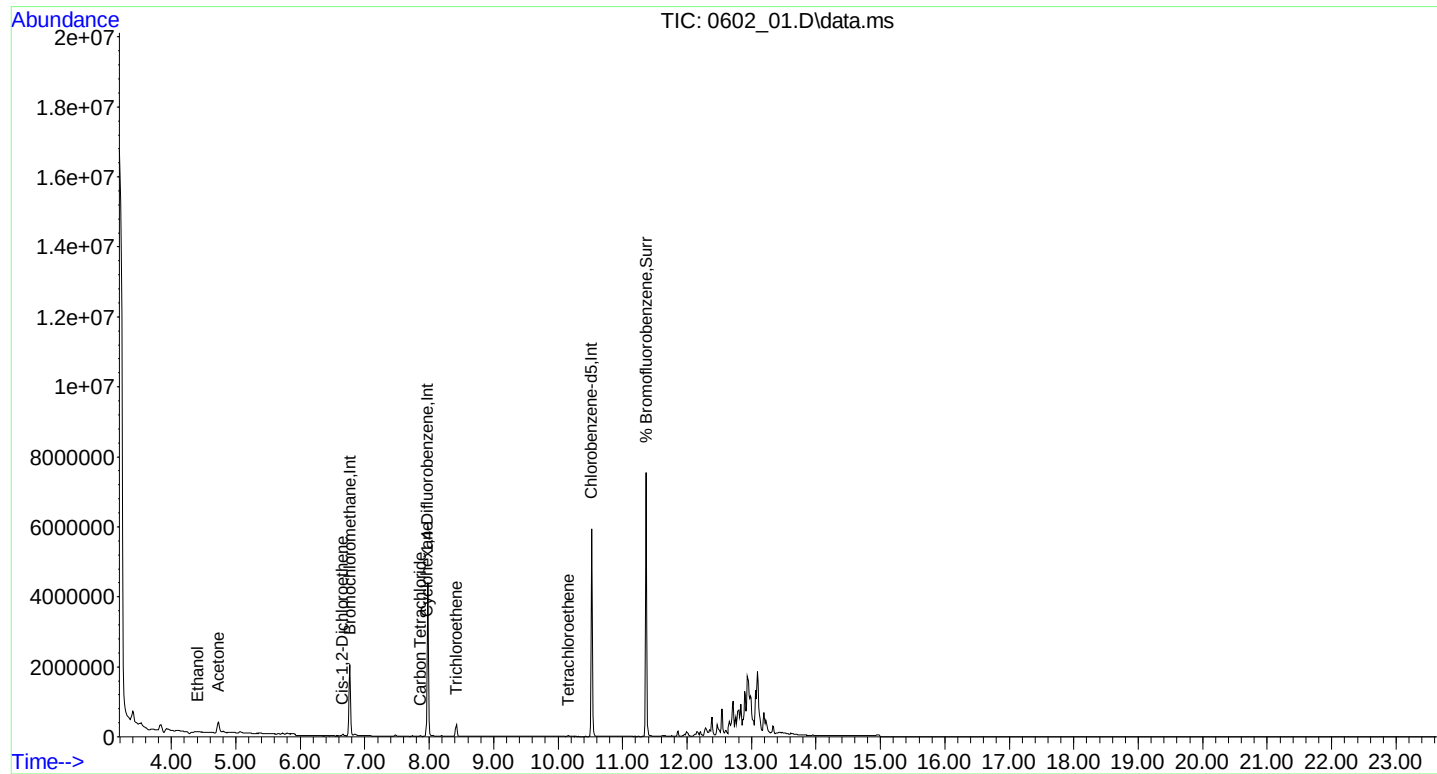
Quant Time: Jun 02 07:58:11 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

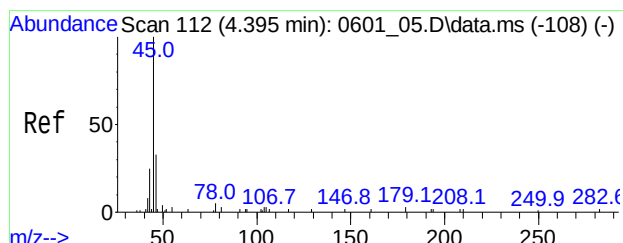
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	628015	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.976	114	2552138	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1375084	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.775	130	689528	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2928752	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1522057	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1812627	9.159	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	91.60%
Target Compounds						
11) Ethanol	4.406	45	23845	0.971	ppbv	Qvalue 96
12) Acetone	4.729	43	456042	3.929	ppbv	96
26) Cis-1,2-Dichloroethene	6.655	61	30671	0.262	ppbv	99
34) Carbon Tetrachloride	7.865	117	11232	0.060	ppbv	94
35) Cyclohexane	7.965	84	22286	0.378	ppbv#	9
39) Trichloroethene	8.422	130	82366	0.835	ppbv	99
52) Tetrachloroethene	10.160	166	5664	0.039	ppbv	94
87) Carbon Tetrachloride(sim)	7.865	117	11232	0.058	ppbv	94
92) Cis-1,2-Dichloroethene...	6.660	61	28029	0.230	ppbv	94
97) Trichloroethene(sim)	8.422	130	82484	0.801	ppbv	99
103) Tetrachloroethene(sim)	10.160	166	5664	0.038	ppbv	94

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
Data File : 0602_01.D
Acq On : 1 Jun 2020 11:49 pm
Operator :
Client ID : BLOWER-1 20X
Lab ID : CG03911 20X
ALS Vial : 21 Sample Multiplier: 1

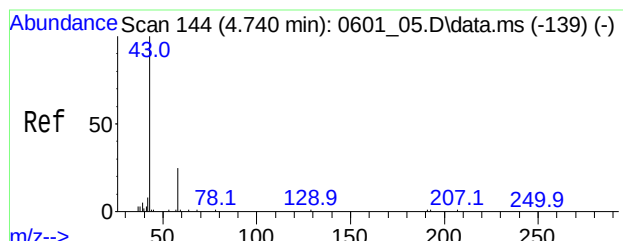
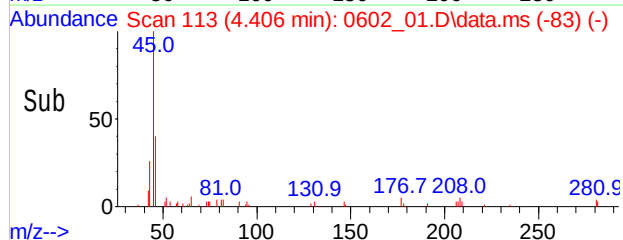
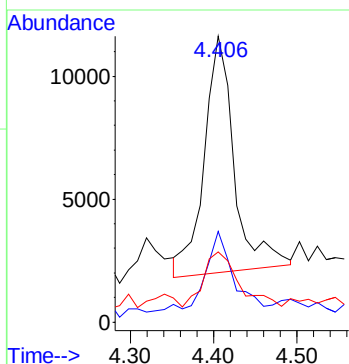
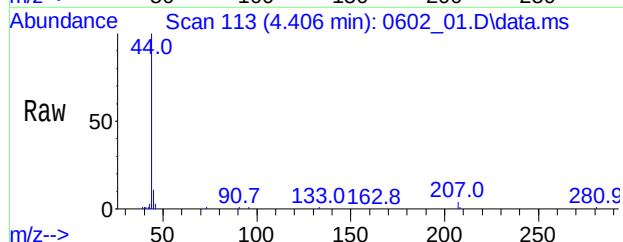
Quant Time: Jun 02 07:58:11 2020
Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Wed May 27 10:44:12 2020
Response via : Initial Calibration





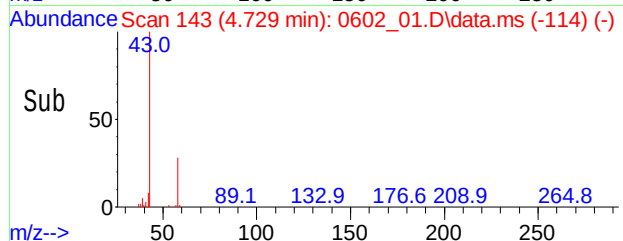
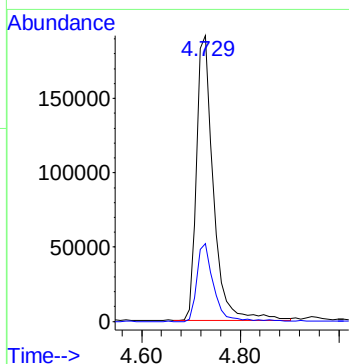
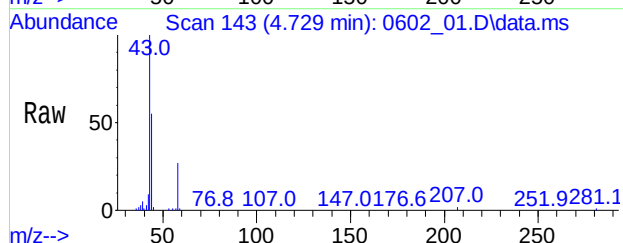
#11
Ethanol
Conc: 8\$ 0.971 ppbv
RT: 4.406 min Scan# 113
Delta R.T. 0.021 min
Lab File: 0602_01.D
Acq: 1 Jun 2020 11:49 pm

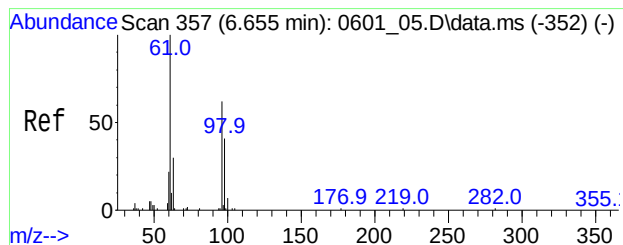
Tgt Ion: 45 Resp: 23845
Ion Ratio Lower Upper
45 100
46 31.7 24.6 37.0
43 27.2 19.3 28.9



#12
Acetone
Conc: 8\$ 3.929 ppbv
RT: 4.729 min Scan# 143
Delta R.T. 0.011 min
Lab File: 0602_01.D
Acq: 1 Jun 2020 11:49 pm

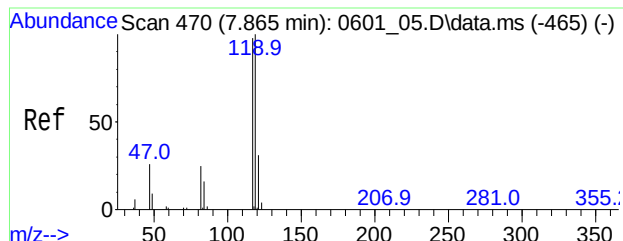
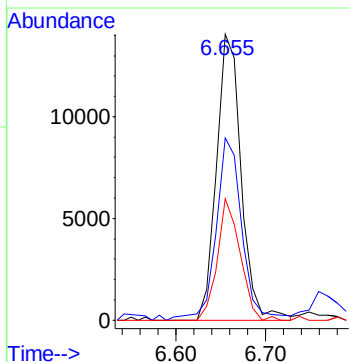
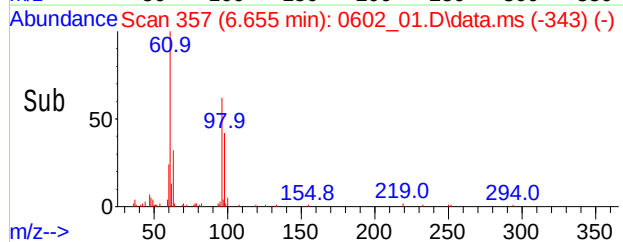
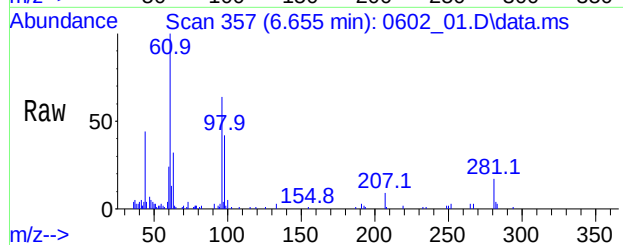
Tgt Ion: 43 Resp: 456042
Ion Ratio Lower Upper
43 100
58 27.4 23.8 35.8





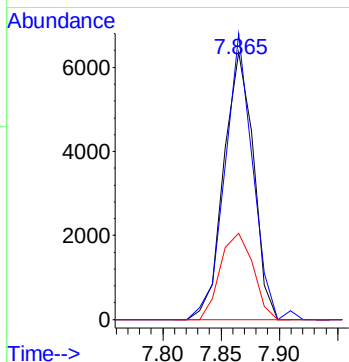
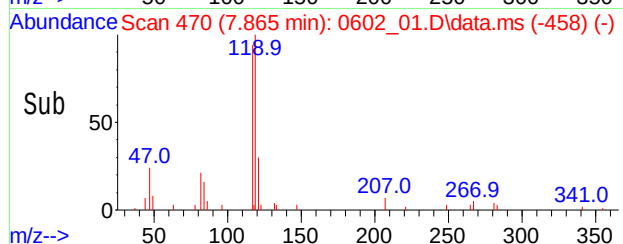
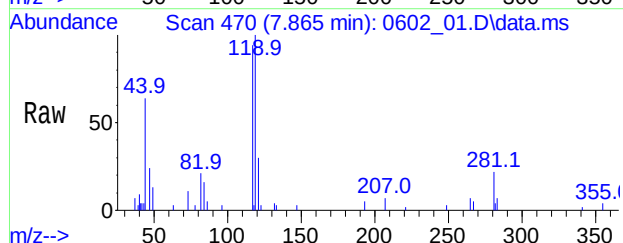
#26
Cis-1,2-Dichloroethene
Conc: 8\$ 0.262 ppbv
RT: 6.655 min Scan# 357
Delta R.T. -0.011 min
Lab File: 0602_01.D
Acq: 1 Jun 2020 11:49 pm

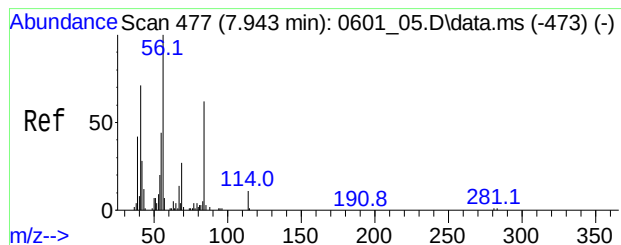
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	30671		
96	63.9	50.5	75.7	
98	39.2	32.3	48.5	



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.865 min Scan# 470
Delta R.T. -0.011 min
Lab File: 0602_01.D
Acq: 1 Jun 2020 11:49 pm

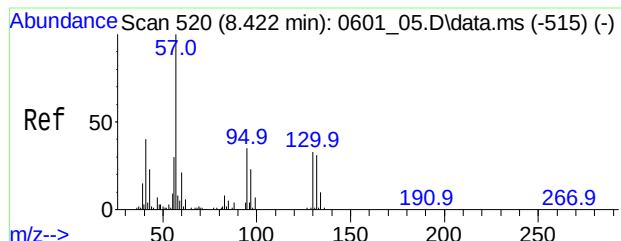
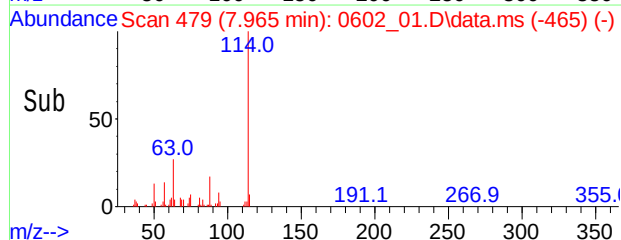
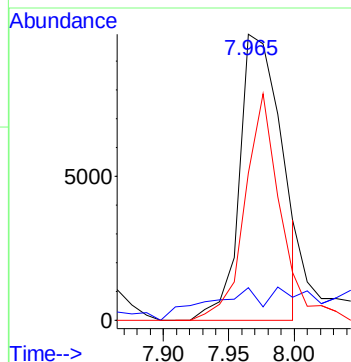
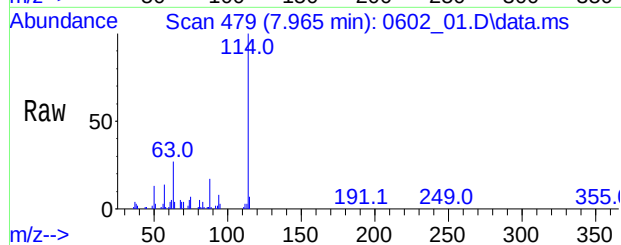
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	11232		
119	100.1	75.6	115.6	
121	35.7	10.3	50.3	





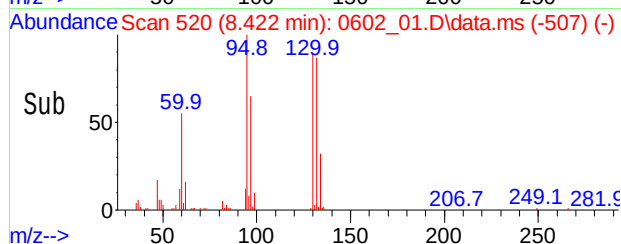
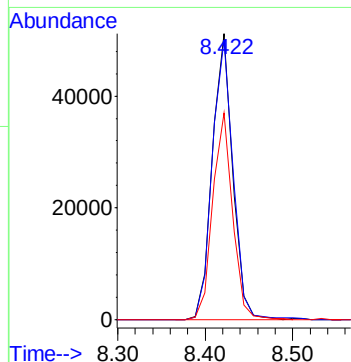
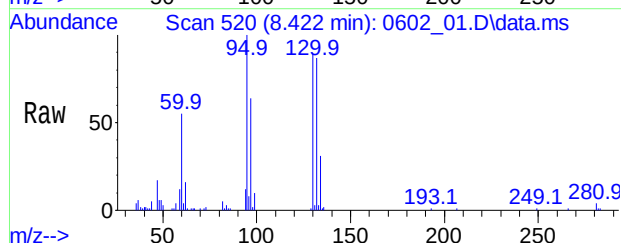
#35
Cyclohexane
Conc: 8\$ 0.378 ppbv
RT: 7.965 min Scan# 479
Delta R.T. 0.011 min
Lab File: 0602_01.D
Acq: 1 Jun 2020 11:49 pm

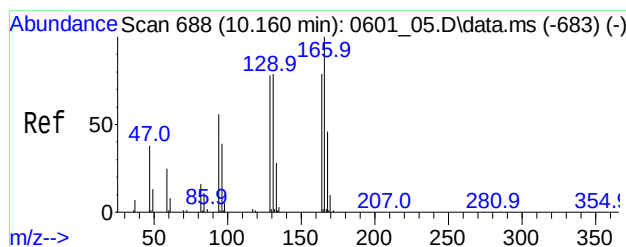
Tgt Ion	Ratio	Resp	Lower	Upper
84	100	22286		
41	13.8	90.3	135.5#	
55	0.0	62.2	93.4#	



#39
Trichloroethene
Conc: 8\$ 0.835 ppbv
RT: 8.422 min Scan# 520
Delta R.T. -0.000 min
Lab File: 0602_01.D
Acq: 1 Jun 2020 11:49 pm

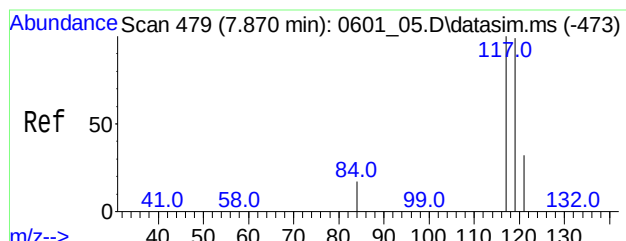
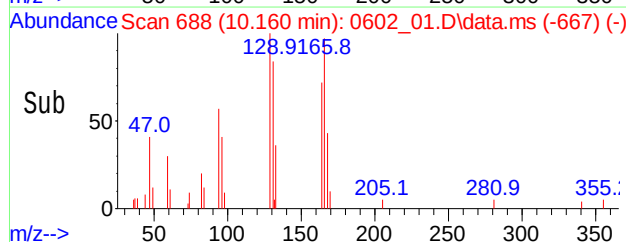
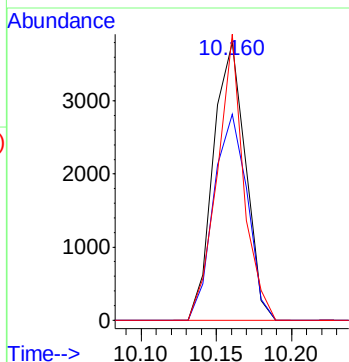
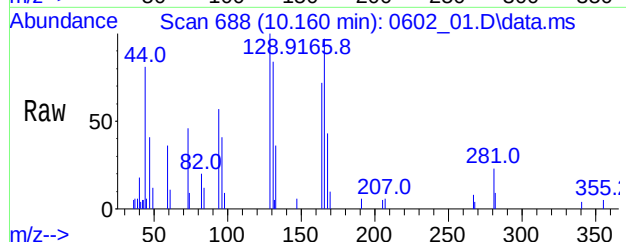
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	82366		
132	100.6	80.6	121.0	
97	70.7	58.1	87.1	





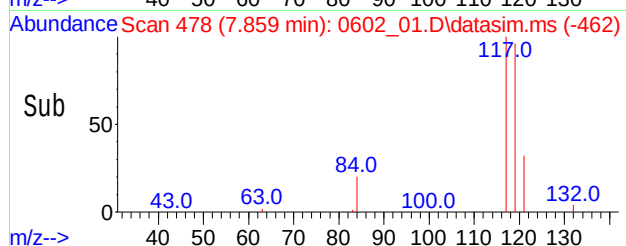
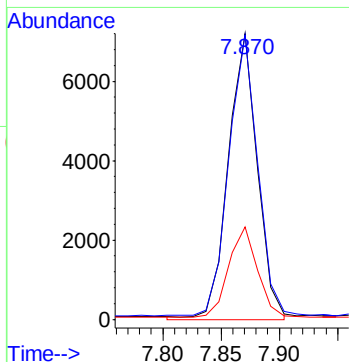
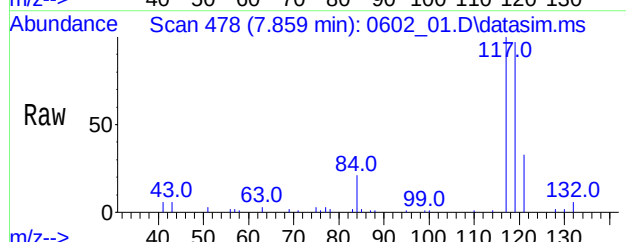
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.160 min Scan# 688
Delta R.T. -0.000 min
Lab File: 0602_01.D
Acq: 1 Jun 2020 11:49 pm

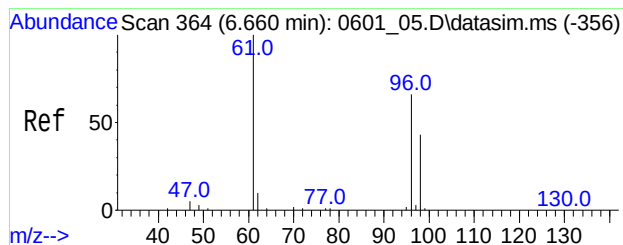
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	5664		
164	77.6	63.3	94.9	
129	85.1	61.2	91.8	



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.058 ppbv
RT: 7.865 min Scan# 478
Delta R.T. -0.011 min
Lab File: 0602_01.D
Acq: 1 Jun 2020 11:49 pm

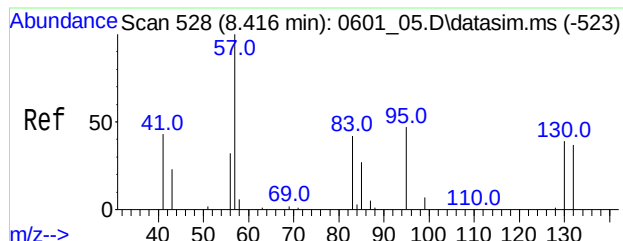
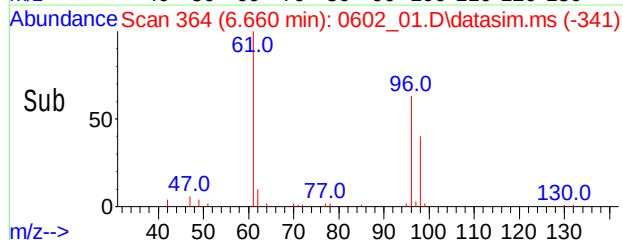
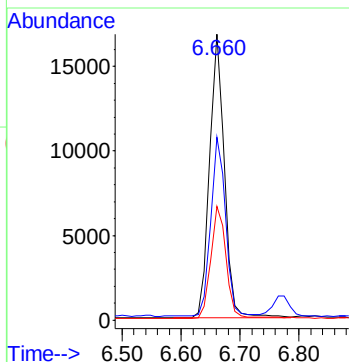
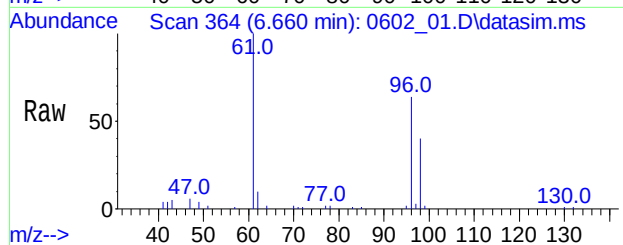
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	11232		
119	100.1	76.5	114.7	
121	35.7	24.2	36.4	





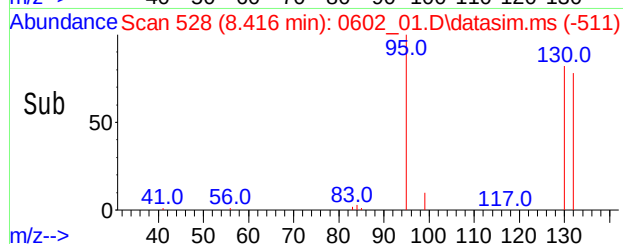
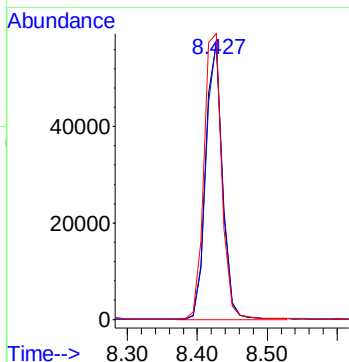
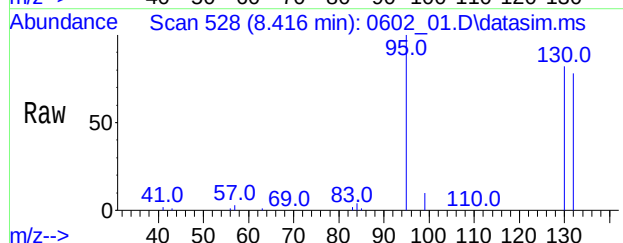
#92
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 0.230 ppbv
RT: 6.660 min Scan# 364
Delta R.T. -0.011 min
Lab File: 0602_01.D
Acq: 1 Jun 2020 11:49 pm

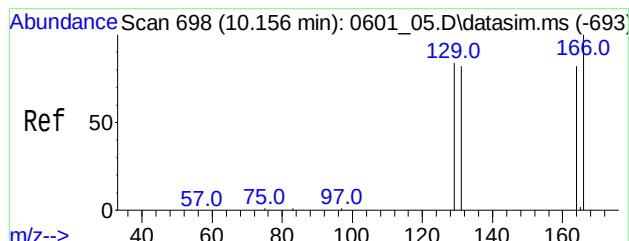
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	28029		
96	63.2	47.0	70.6	
98	41.8	30.7	46.1	



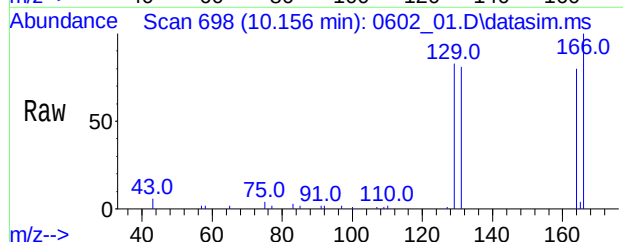
#97
Trichloroethene(sim)
Conc: 8\$ 0.801 ppbv
RT: 8.422 min Scan# 528
Delta R.T. -0.000 min
Lab File: 0602_01.D
Acq: 1 Jun 2020 11:49 pm

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	82484		
132	100.7	80.6	120.8	
95	111.8	90.4	135.6	

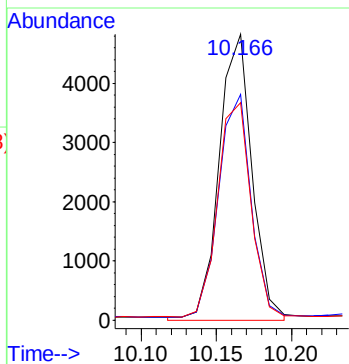
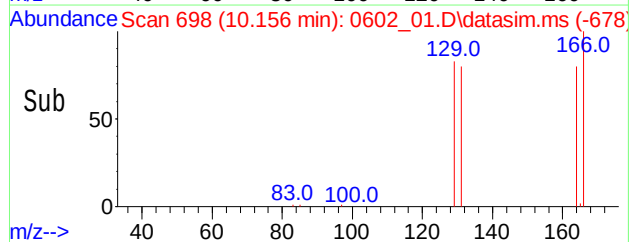




#103
 Tetrachloroethene(sim)
 Conc: 8\$ 0.038 ppbv
 RT: 10.160 min Scan# 698
 Delta R.T. -0.000 min
 Lab File: 0602_01.D
 Acq: 1 Jun 2020 11:49 pm



Tgt Ion: 166 Resp: 5664
 Ion Ratio Lower Upper
 166 100
 164 77.6 59.1 99.1
 129 85.1 56.6 96.6



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	BLOWER-3D
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03912</u>	
Canister:	<u>13634</u>	Lab File ID:	<u>0601_20.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	5.68		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.822		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	24.9	S	0.531	0.531	r
67-64-1	Acetone	242	ES	0.421	0.421	
75-69-4	Trichlorofluoromethane	0.968		0.178	0.178	r
67-63-0	Isopropylalcohol	2.30	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	2.52		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.395		0.291	0.291	r
79-01-6	Trichloroethene	1.93		0.037	0.037	r
142-82-5	Heptane	0.279		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.334		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.555		0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03912

Canister: 13634 Lab File ID: 0601_20.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

BLOWER-3D

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.091		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.107		0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.074		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.323		0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_20.D
 Acq On : 1 Jun 2020 8:17 pm
 Operator :
 Client ID : BLOWER-3D
 Lab ID : CG03912
 ALS Vial : 17 Sample Multiplier: 1

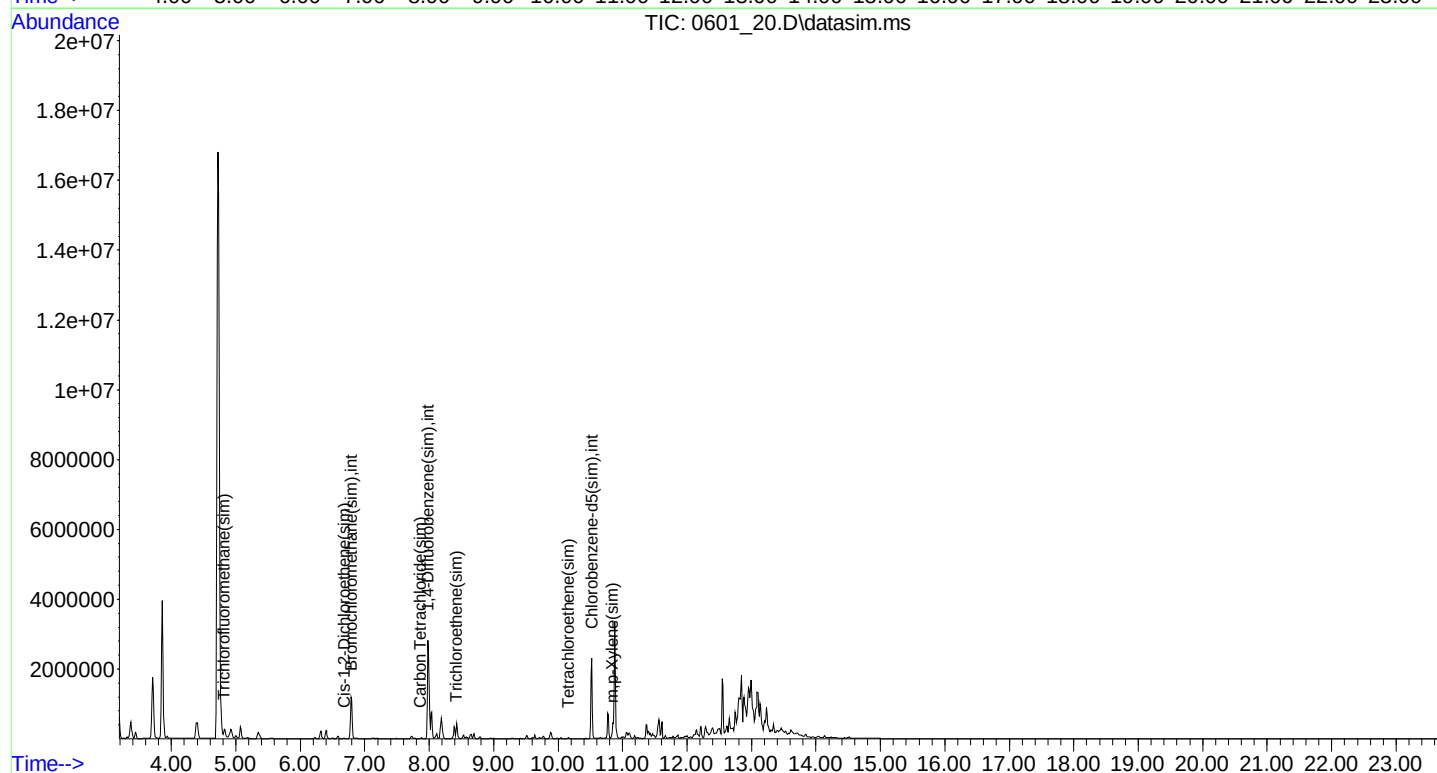
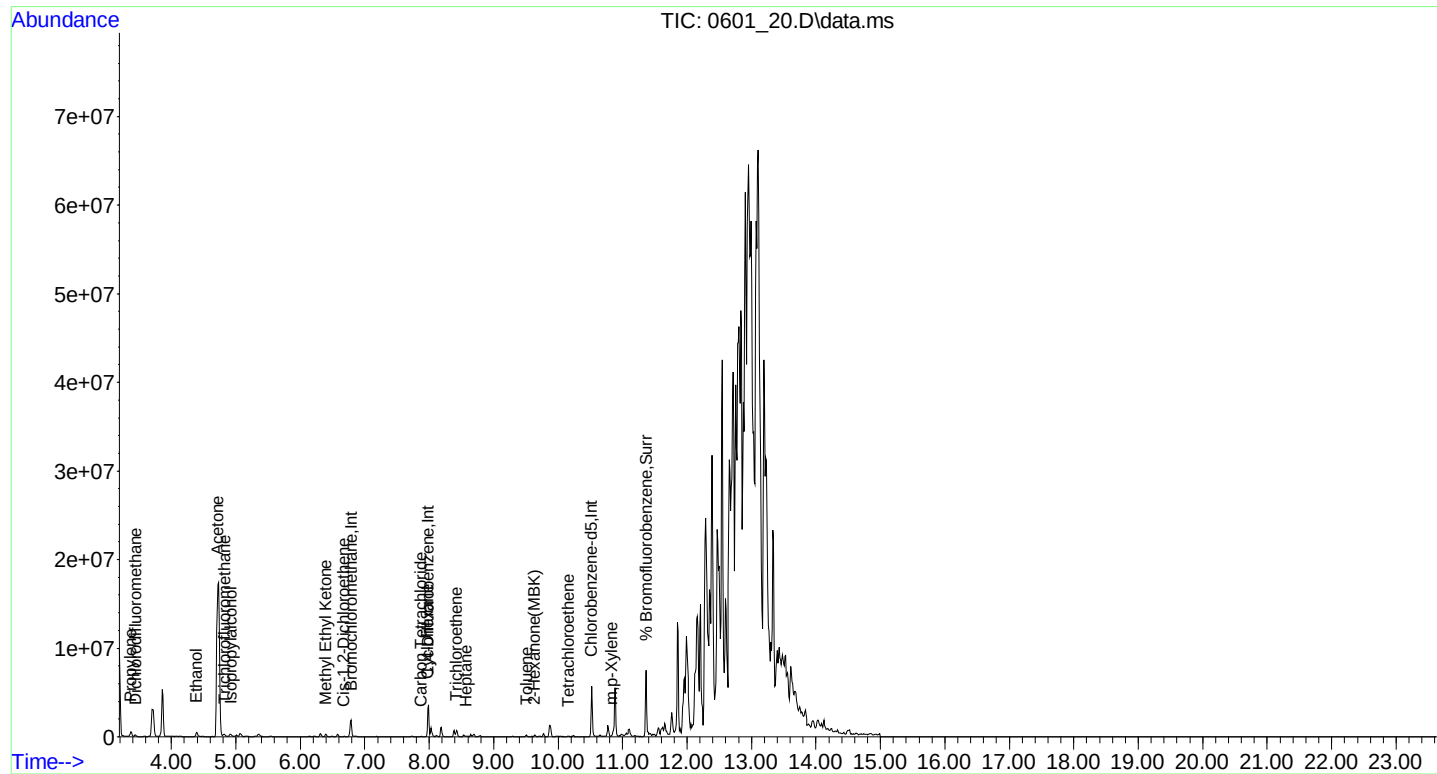
Quant Time: Jun 02 08:23:45 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

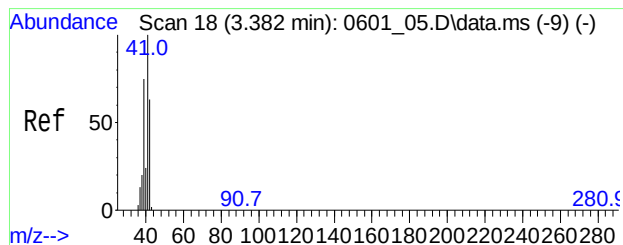
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.790	130	587390	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.987	114	2281858	10.000	ng	0.00
53) Chlorobenzene-d5	10.518	82	1315565	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.796	130	621445	10.000	ng	# 0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2630362	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1452545	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1843382	9.736	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.40%
Target Compounds						
					Qvalue	
2) Propylene	3.371	41	290053	5.675	ppbv	94
3) Dichlorodifluoromethane	3.447	85	167027	0.822	ppbv	99
11) Ethanol	4.395	45	571228	24.882	ppbv	97
12) Acetone	4.718	43	26250715	241.800	ppbv#	86
13) Trichlorofluoromethane	4.826	101	202223	0.968	ppbv	98
14) Isopropylalcohol	4.923	45	276782	2.304	ppbv#	81
25) Methyl Ethyl Ketone	6.392	43	291327	2.520	ppbv	95
26) Cis-1,2-Dichloroethene	6.676	61	11556	0.106	ppbv	87
34) Carbon Tetrachloride	7.876	117	16084	0.092	ppbv	98
35) Cyclohexane	7.976	84	21769	0.395	ppbv#	27
39) Trichloroethene	8.422	130	170539	1.933	ppbv	97
43) Heptane	8.567	43	36223	0.279	ppbv#	72
48) Toluene	9.510	91	70188	0.334	ppbv	99
50) 2-Hexanone(MBK)	9.636	43	91794	0.555	ppbv#	91
52) Tetrachloroethene	10.160	166	9822	0.077	ppbv	92
57) m,p-Xylene	10.836	91	65347	0.287	ppbv#	96
84) Trichlorofluoromethane...	4.821	101	219523	0.953	ppbv#	100
87) Carbon Tetrachloride(sim)	7.876	117	16084	0.091	ppbv	97
92) Cis-1,2-Dichloroethene...	6.681	61	11776	0.107	ppbv	93
97) Trichloroethene(sim)	8.422	130	170539	1.845	ppbv	99
103) Tetrachloroethene(sim)	10.160	166	9822	0.074	ppbv	91
106) m,p-Xylene(sim)	10.841	91	73884	0.323	ppbv	98

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
Data File : 0601_20.D
Acq On : 1 Jun 2020 8:17 pm
Operator :
Client ID : BLOWER-3D
Lab ID : CG03912
ALS Vial : 17 Sample Multiplier: 1

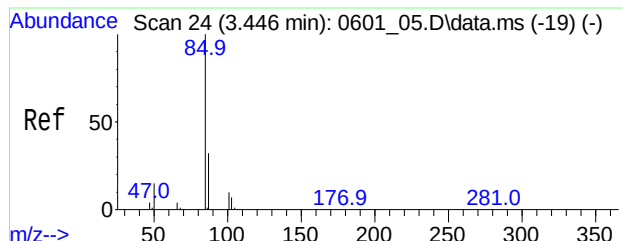
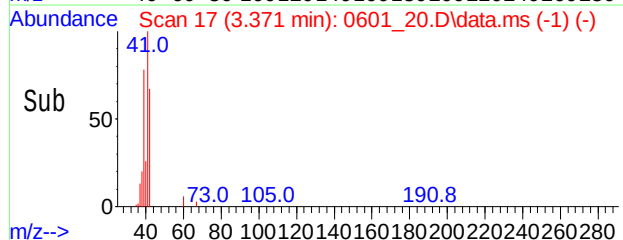
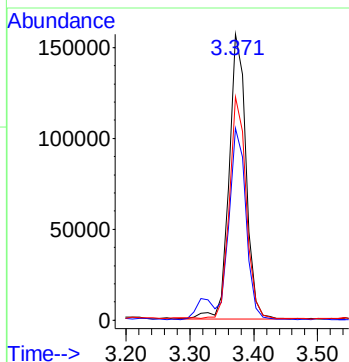
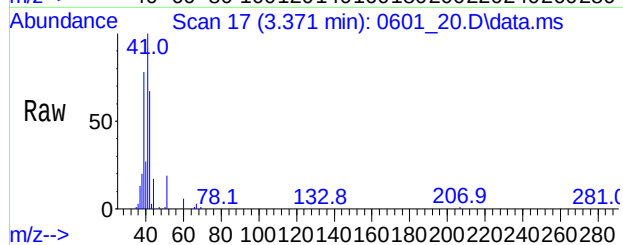
Quant Time: Jun 02 08:23:45 2020
Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Wed May 27 10:44:12 2020
Response via : Initial Calibration





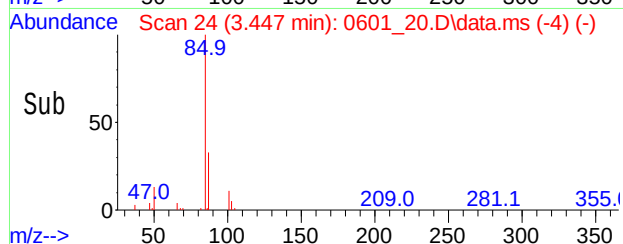
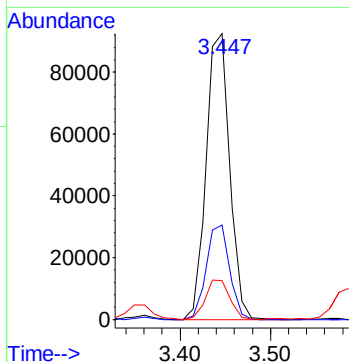
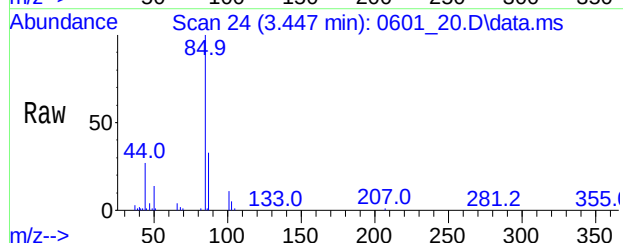
#2
Propylene
Conc: 8\$ 5.675 ppbv
RT: 3.371 min Scan# 17
Delta R.T. -0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

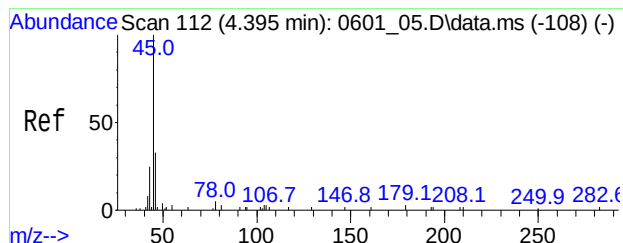
Tgt Ion	Ratio	Resp	Lower	Upper
41	100	290053		
42	73.5	53.3	79.9	
39	77.3	65.2	97.8	



#3
Dichlorodifluoromethane
Conc: 8\$ 0.822 ppbv
RT: 3.447 min Scan# 24
Delta R.T. 0.011 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

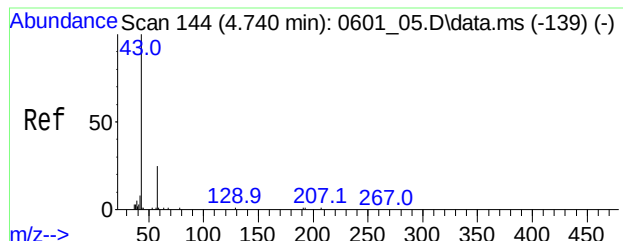
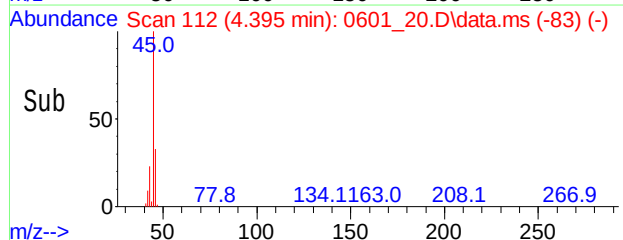
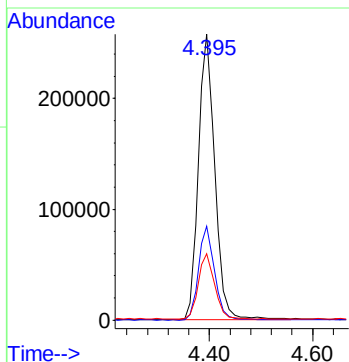
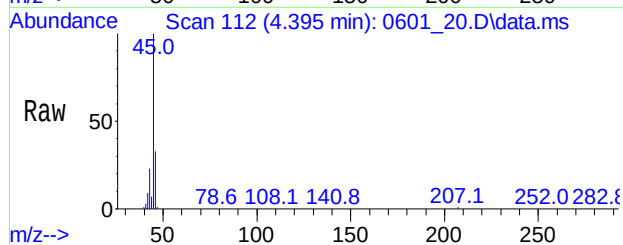
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	167027		
87	32.8	25.7	38.5	
50	14.3	11.0	16.6	





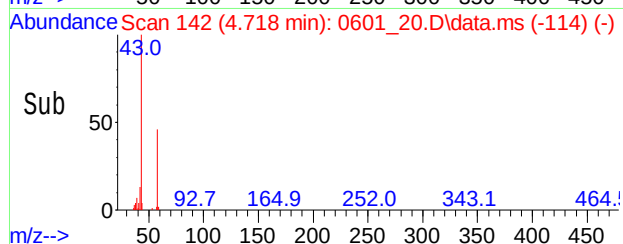
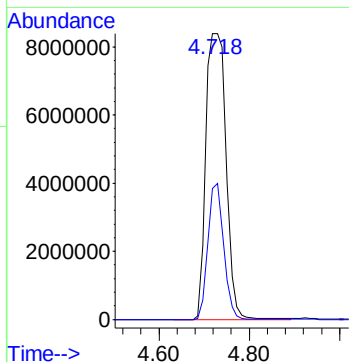
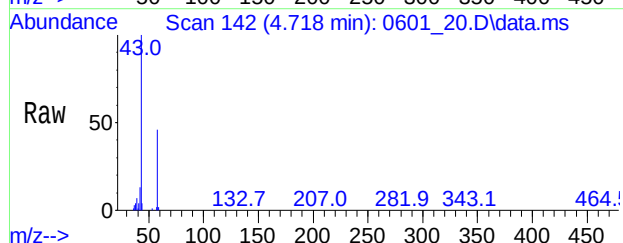
#11
Ethanol
Conc: 8\$ 24.882 ppbv
RT: 4.395 min Scan# 112
Delta R.T. 0.011 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

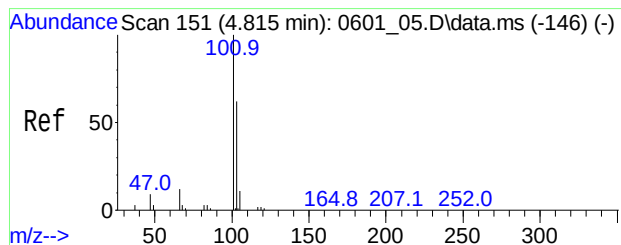
Tgt Ion	Ratio	Lower	Upper
45	100		
46	32.2	24.6	37.0
43	22.8	19.3	28.9



#12
Acetone
Conc: 8\$ 241.800 ppbv
RT: 4.718 min Scan# 142
Delta R.T. -0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

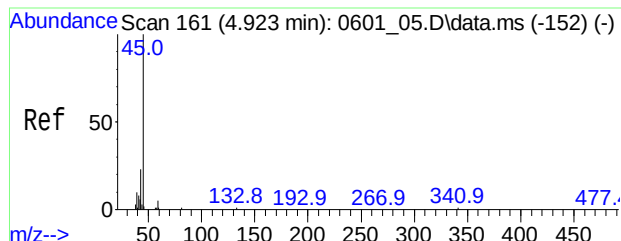
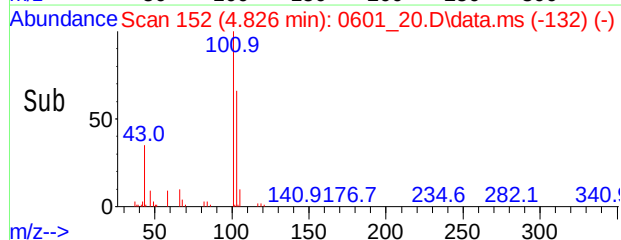
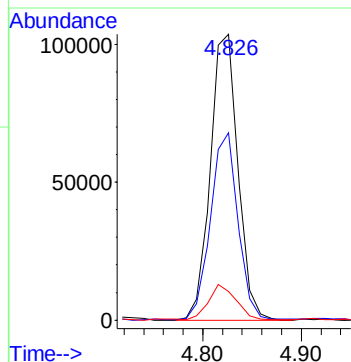
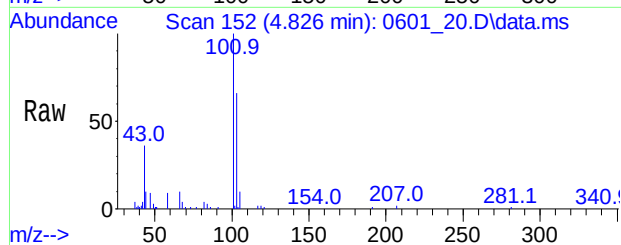
Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	23.8	35.8#





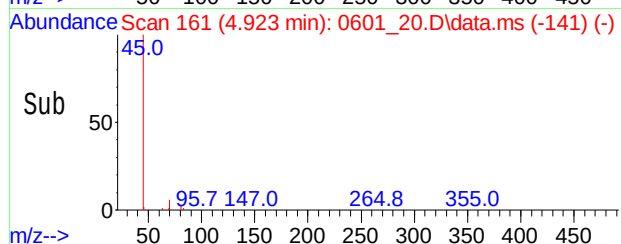
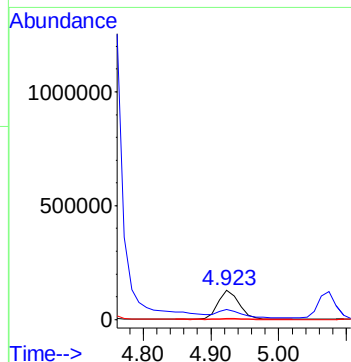
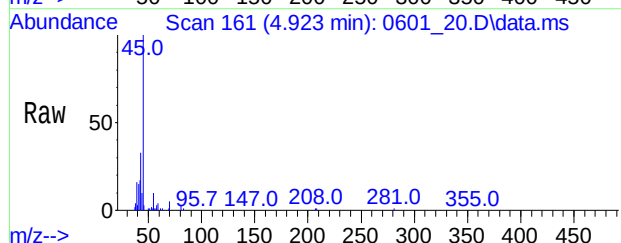
#13
Trichlorofluoromethane
Conc: 8\$ 0.968 ppbv
RT: 4.826 min Scan# 152
Delta R.T. 0.011 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

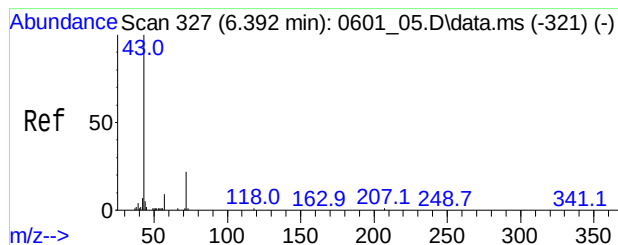
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	202223		
103	65.7	50.9	76.3	
66	12.9	10.0	15.0	



#14
Isopropylalcohol
Conc: 8\$ 2.304 ppbv
RT: 4.923 min Scan# 161
Delta R.T. 0.011 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

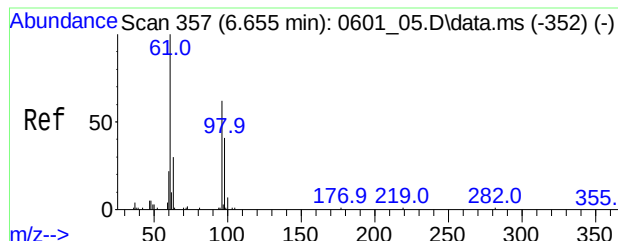
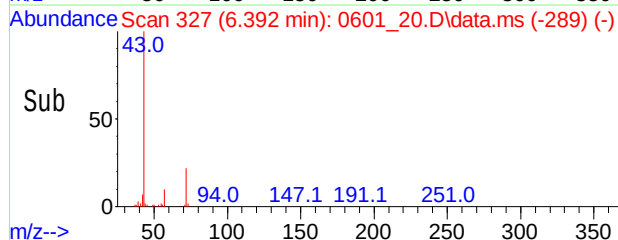
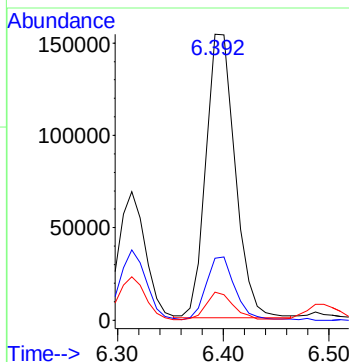
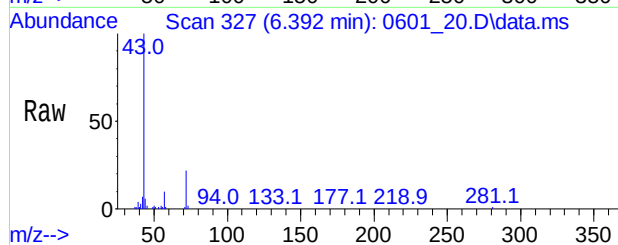
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	276782		
43	36.1	19.9	29.9#	
59	3.8	3.6	5.4	





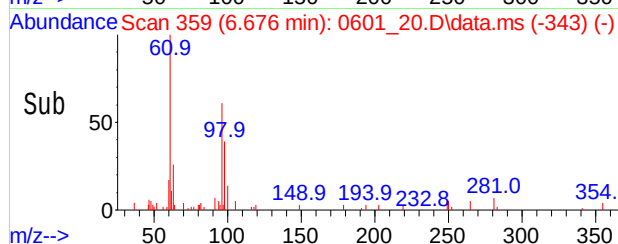
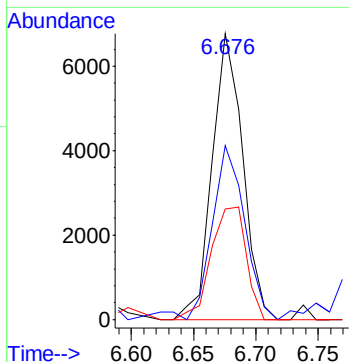
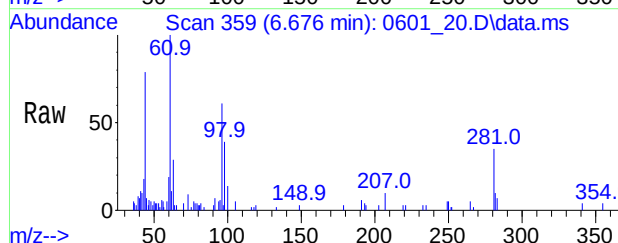
#25
Methyl Ethyl Ketone
Conc: 8\$ 2.520 ppbv
RT: 6.392 min Scan# 327
Delta R.T. -0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

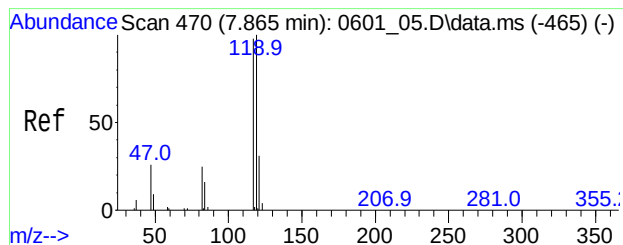
Tgt Ion: 43 Resp: 291327
Ion Ratio Lower Upper
43 100
72 21.2 19.0 28.4
57 9.4 8.6 12.8



#26
Cis-1,2-Dichloroethene
Conc: 8\$ Below Cal
RT: 6.676 min Scan# 359
Delta R.T. 0.010 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

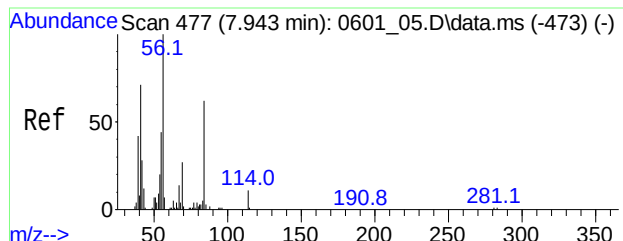
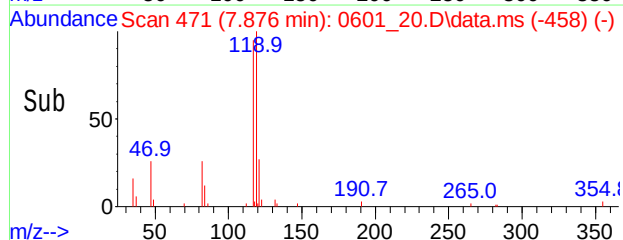
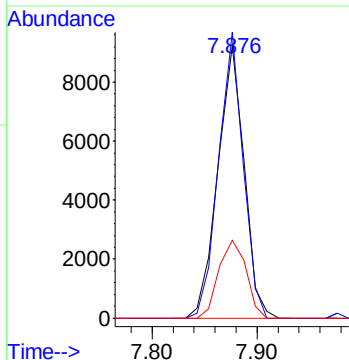
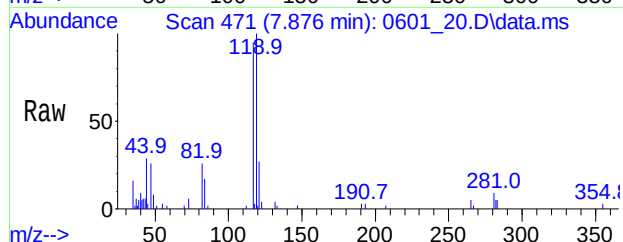
Tgt Ion: 61 Resp: 11556
Ion Ratio Lower Upper
61 100
96 75.4 50.5 75.7
98 45.0 32.3 48.5





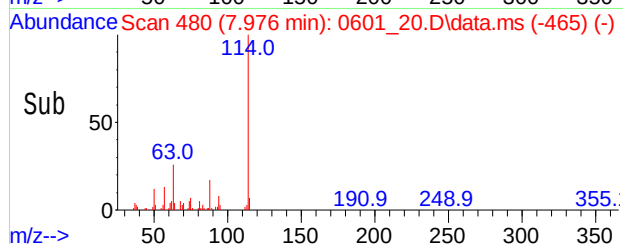
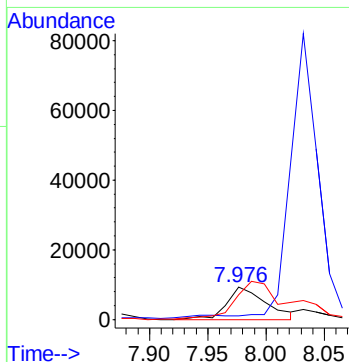
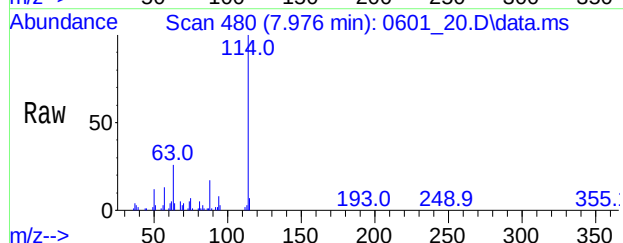
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.876 min Scan# 471
Delta R.T. -0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

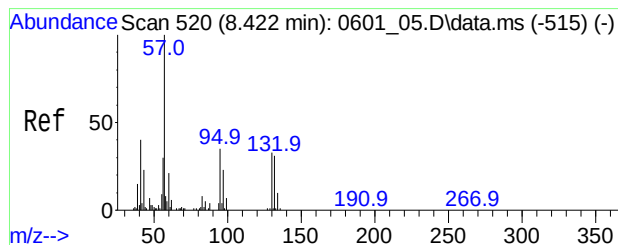
Tgt Ion: 117 Resp: 16084
Ion Ratio Lower Upper
117 100
119 97.9 75.6 115.6
121 29.7 10.3 50.3



#35
Cyclohexane
Conc: 8\$ 0.395 ppbv
RT: 7.976 min Scan# 480
Delta R.T. 0.022 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

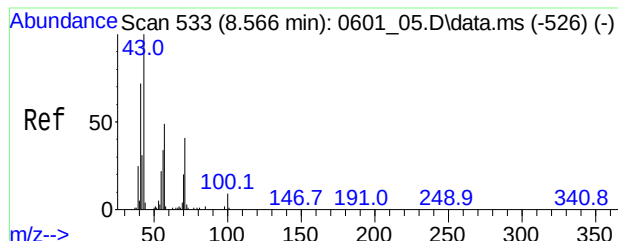
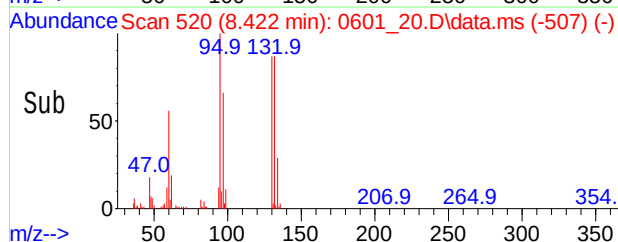
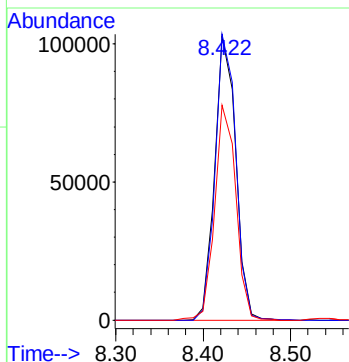
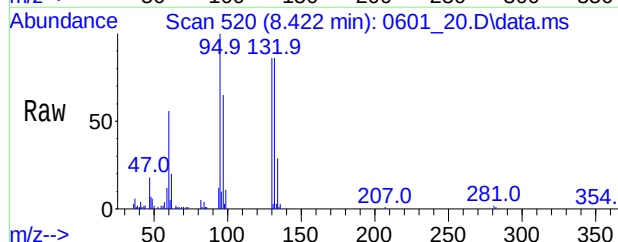
Tgt Ion: 84 Resp: 21769
Ion Ratio Lower Upper
84 100
41 11.6 90.3 135.5#
55 113.9 62.2 93.4#





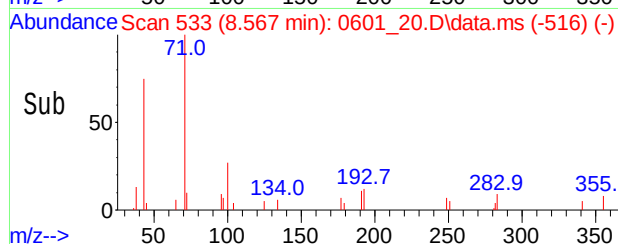
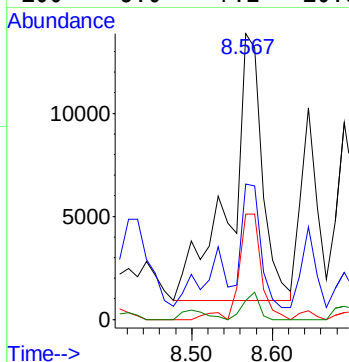
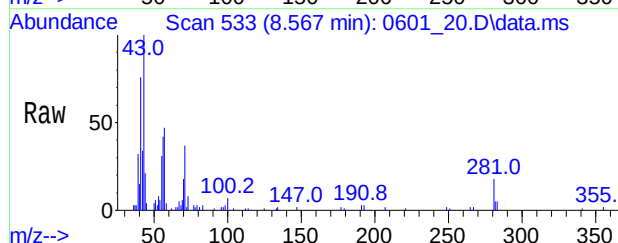
#39
Trichloroethene
Conc: 8\$ 1.933 ppbv
RT: 8.422 min Scan# 520
Delta R.T. -0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

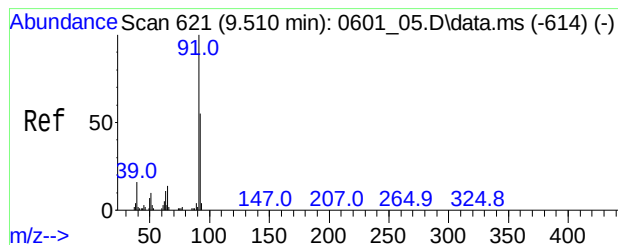
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	170539		
132	99.1	80.6	121.0	
97	76.0	58.1	87.1	



#43
Heptane
Conc: 8\$ 0.279 ppbv
RT: 8.567 min Scan# 533
Delta R.T. -0.011 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

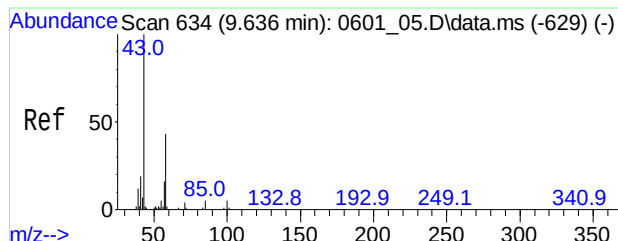
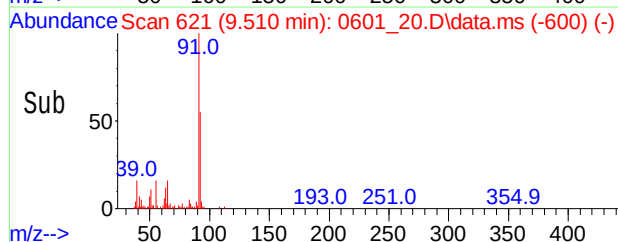
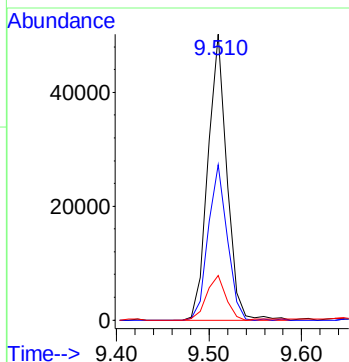
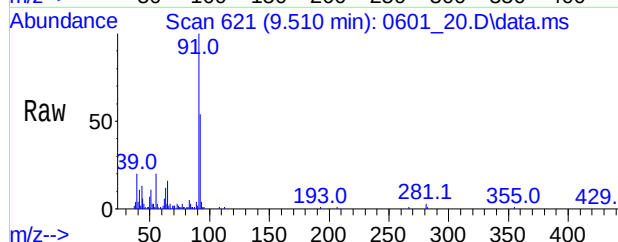
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	36223		
57	29.1	43.7	65.5#	
71	27.1	32.4	48.6#	
100	5.0	7.2	10.8#	





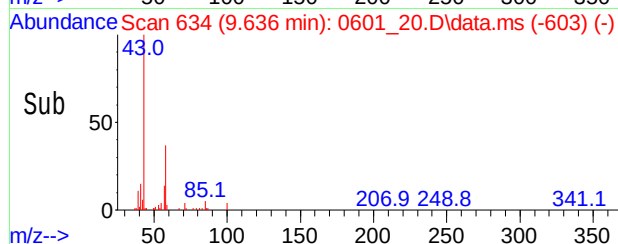
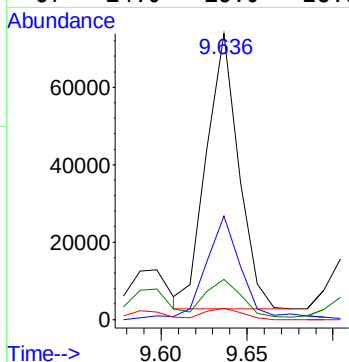
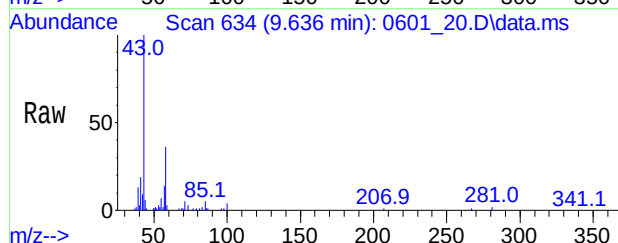
#48
Toluene
Conc: 8\$ 0.334 ppbv
RT: 9.510 min Scan# 621
Delta R.T. -0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

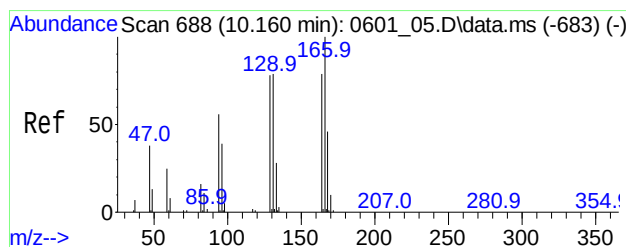
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	70188		
92	54.4	43.6	65.4	
65	16.2	12.2	18.4	



#50
2-Hexanone(MBK)
Conc: 8\$ 0.555 ppbv
RT: 9.636 min Scan# 634
Delta R.T. -0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

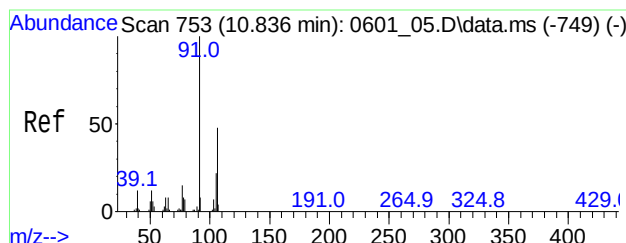
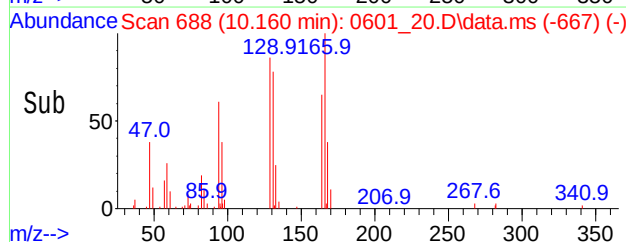
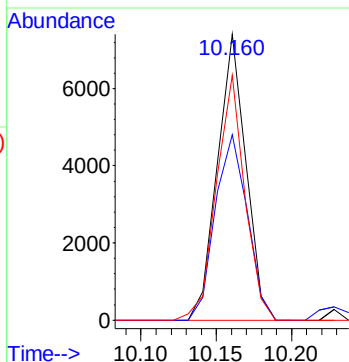
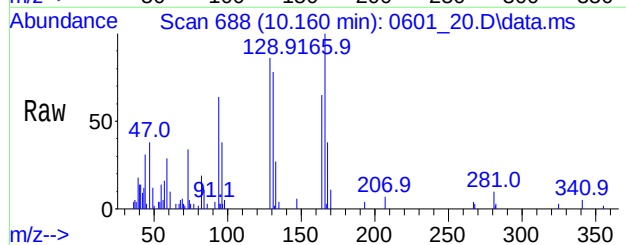
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	91794		
58	43.3	39.1	58.7	
100	4.6	4.6	6.8	
57	14.9	15.9	23.9	





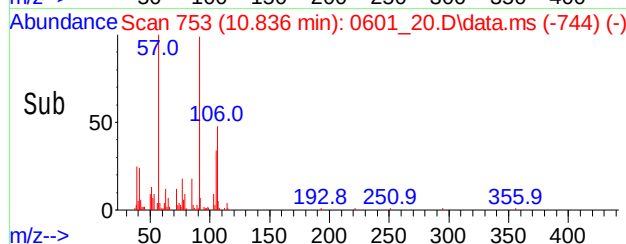
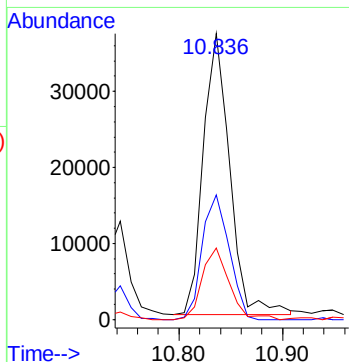
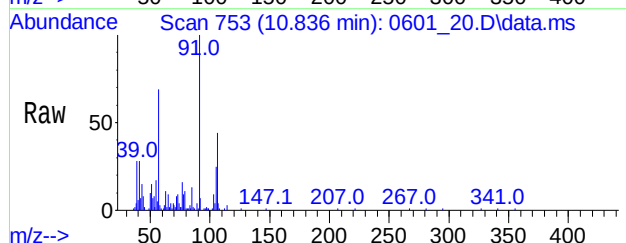
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.160 min Scan# 688
Delta R.T. -0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

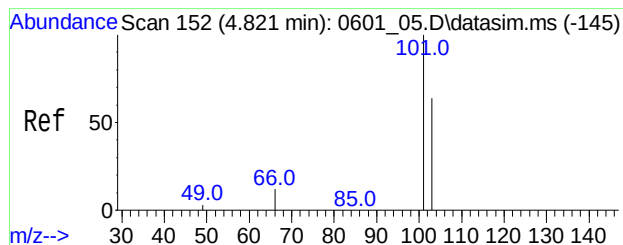
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	9822		
164	73.1	63.3	94.9	
129	85.2	61.2	91.8	



#57
m,p-Xylene
Conc: 8\$ 0.287 ppbv
RT: 10.836 min Scan# 753
Delta R.T. -0.010 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

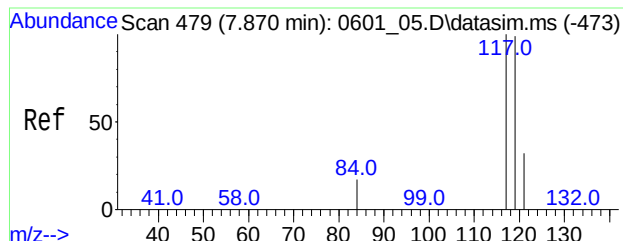
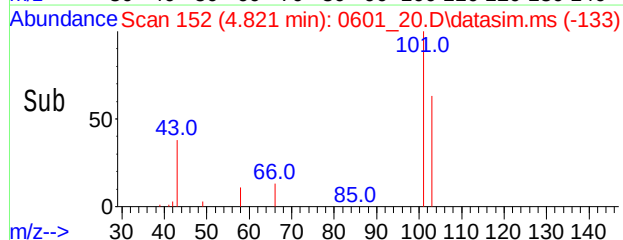
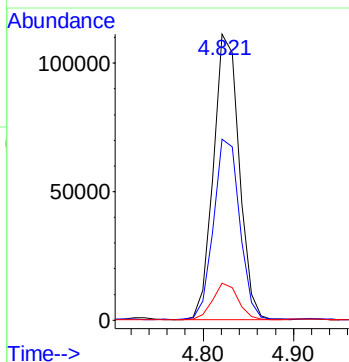
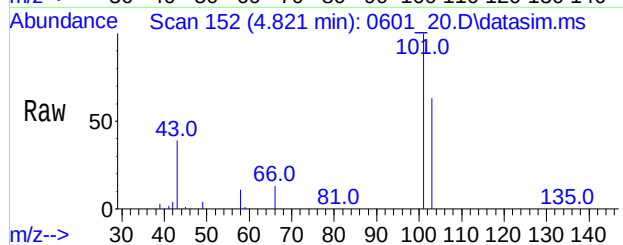
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	65347		
106	45.2	35.6	53.4	
105	26.1	17.1	25.7#	





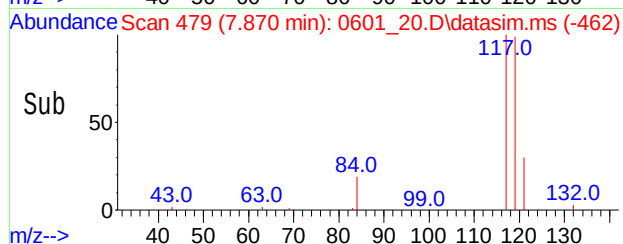
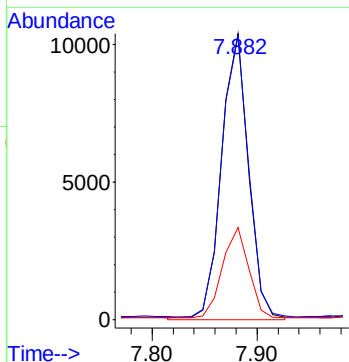
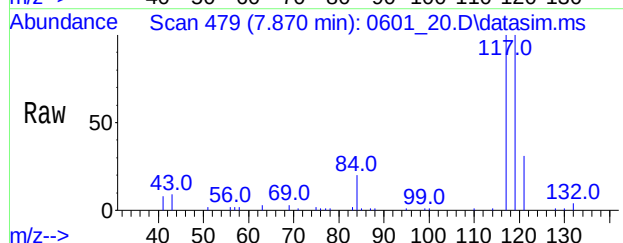
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.953 ppbv
RT: 4.821 min Scan# 152
Delta R.T. -0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

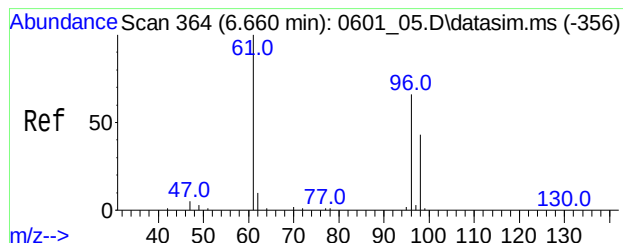
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	219523		
103	63.9	51.2	76.8	
66	12.4	12.8	12.8#	



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.091 ppbv
RT: 7.876 min Scan# 479
Delta R.T. -0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

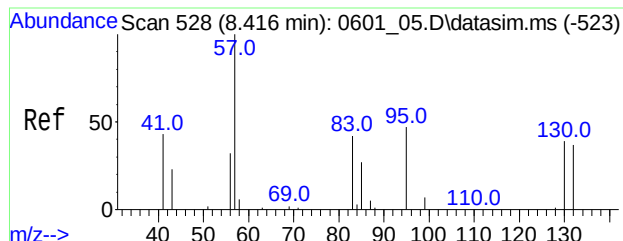
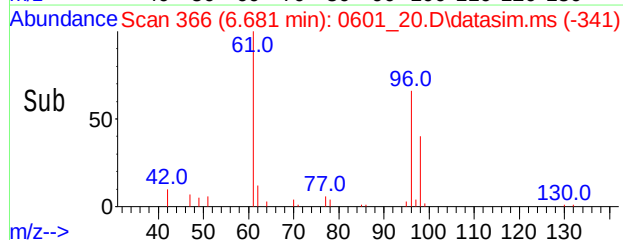
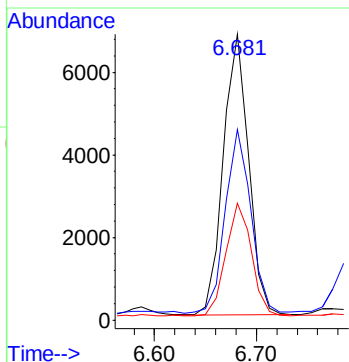
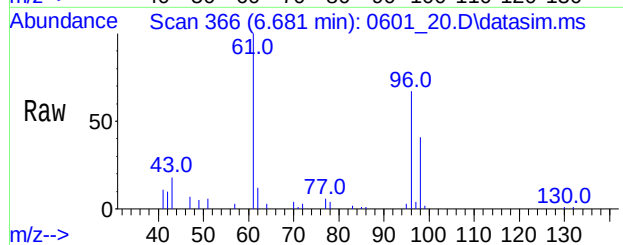
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	16084		
119	97.9	76.5	114.7	
121	28.0	24.2	36.4	





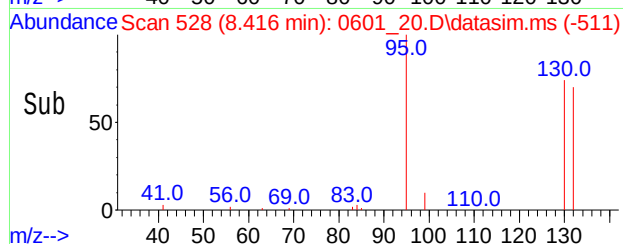
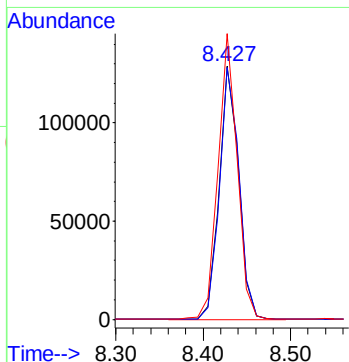
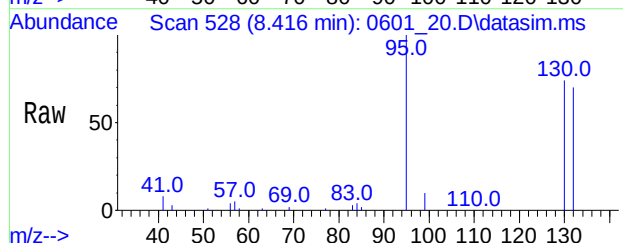
#92
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 0.107 ppbv
RT: 6.681 min Scan# 366
Delta R.T. 0.010 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

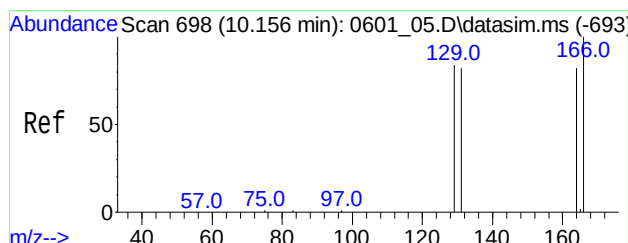
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	11776		
96	65.8	47.0	70.6	
98	40.7	30.7	46.1	



#97
Trichloroethene(sim)
Conc: 8\$ 1.845 ppbv
RT: 8.422 min Scan# 528
Delta R.T. -0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

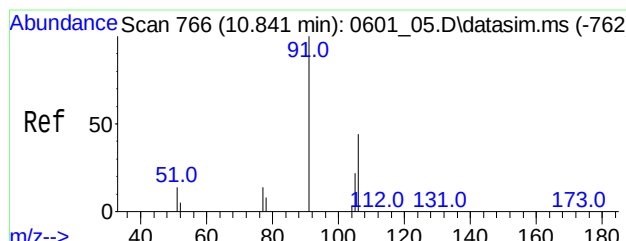
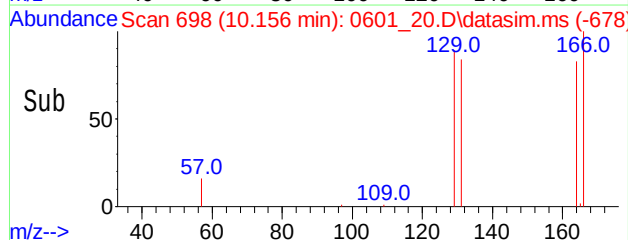
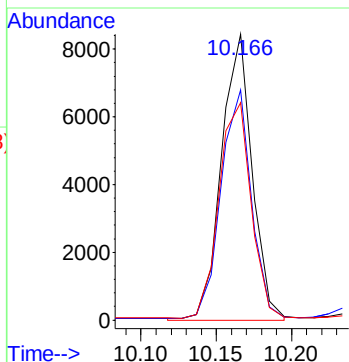
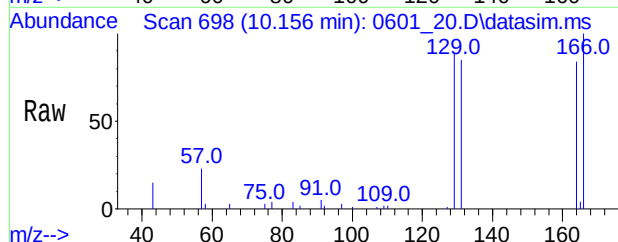
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	170539		
132	99.1	80.6	120.8	
95	114.5	90.4	135.6	





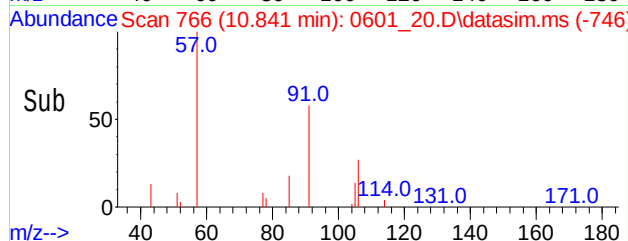
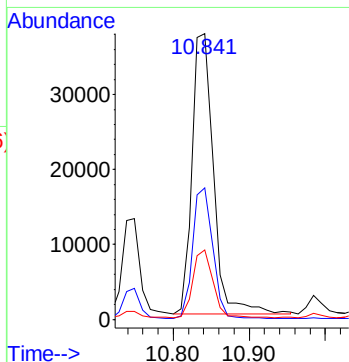
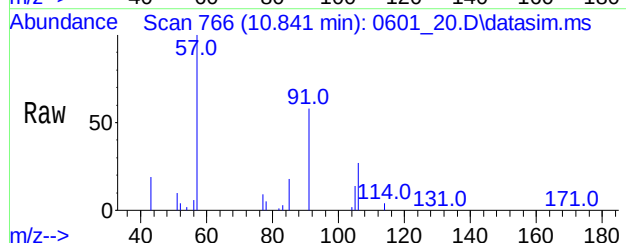
#103
Tetrachloroethene(sim)
Conc: 8\$ 0.074 ppbv
RT: 10.160 min Scan# 698
Delta R.T. -0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	9822		
164	73.1	59.1	99.1	
129	86.4	56.6	96.6	



#106
m,p-Xylene(sim)
Conc: 8\$ 0.323 ppbv
RT: 10.841 min Scan# 766
Delta R.T. -0.000 min
Lab File: 0601_20.D
Acq: 1 Jun 2020 8:17 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	73884		
106	43.8	40.1	49.0	
105	22.8	17.3	25.9	



BLOWER-3D 30X

ppbv

r

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_06.D
 Acq On : 2 Jun 2020 9:17 am
 Operator : Keith
 Client ID : BLOWER-3D 30X
 Lab ID : CG03912 30X
 ALS Vial : 164 Sample Multiplier: 1

Quant Time: Jun 02 09:54:57 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

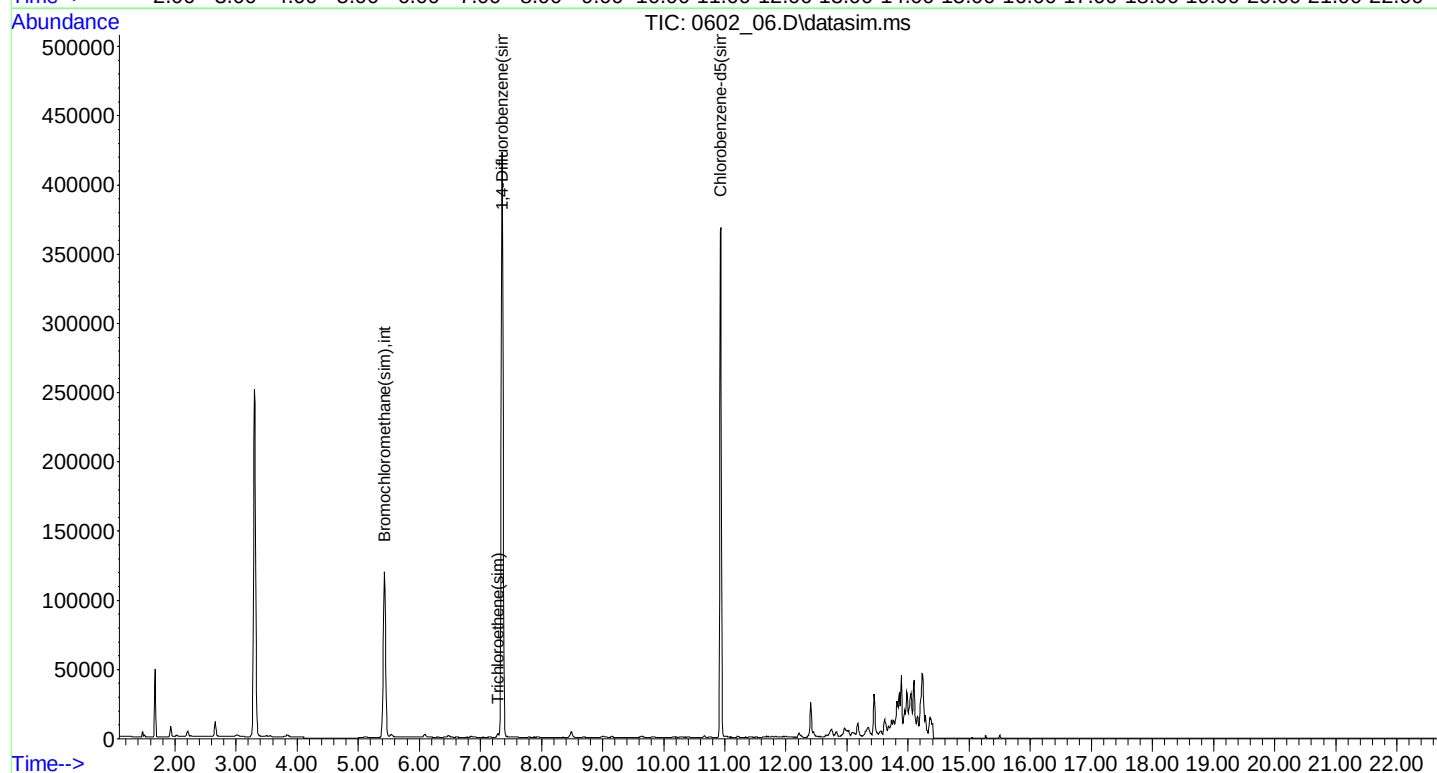
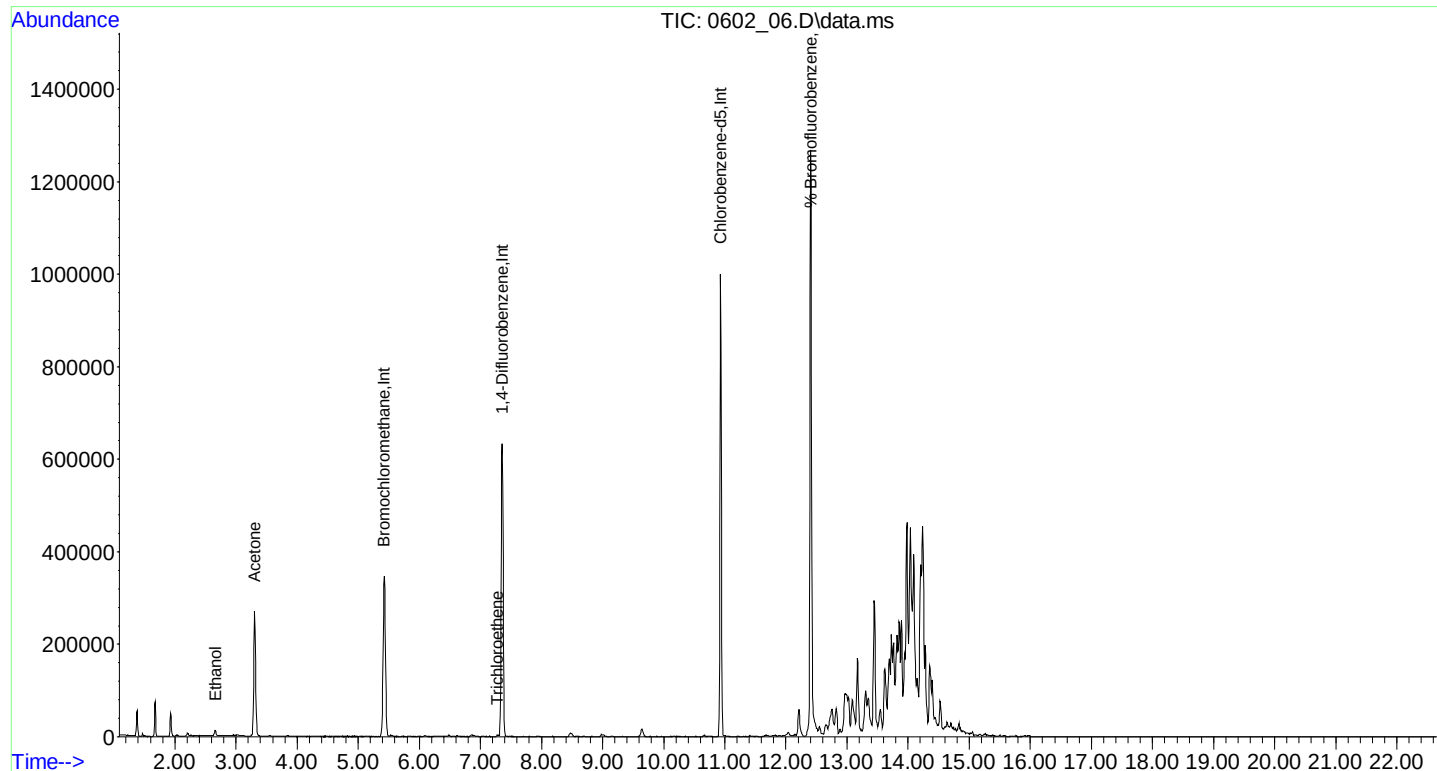
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

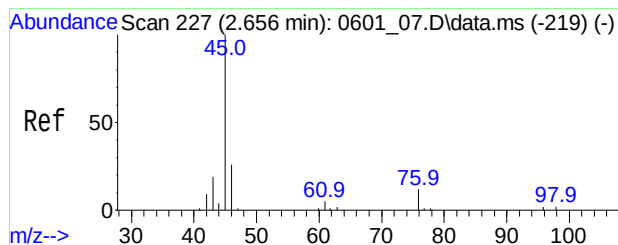
Internal Standards						
1) Bromochloromethane	5.427	130	171645	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	601349	10.000	ng	0.00
53) Chlorobenzene-d5	10.932	82	324427	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	171007	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.360	114	652767	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.934	82	345389	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.405	95	433768	9.863	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.60%
Target Compounds						
					Qvalue	
10) Ethanol	2.663	45	5745	0.980	ppbv#	81
12) Acetone	3.306	43	399440	12.324	ppbv#	77
39) Trichloroethene	7.281	130	1670	0.065	ppbv	98
97] Trichloroethene(sim)	7.281	130	1670	0.063	ppbv	97

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0602_06.D
Acq On : 2 Jun 2020 9:17 am
Operator : Keith
Client ID : BLOWER-3D 30X
Lab ID : CG03912 30X
ALS Vial : 164 Sample Multiplier: 1

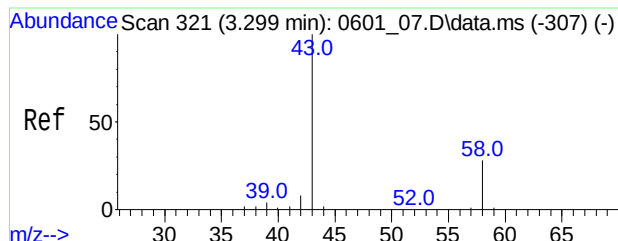
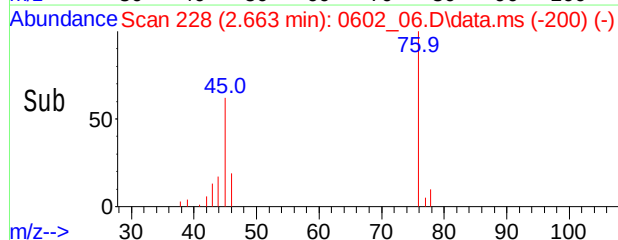
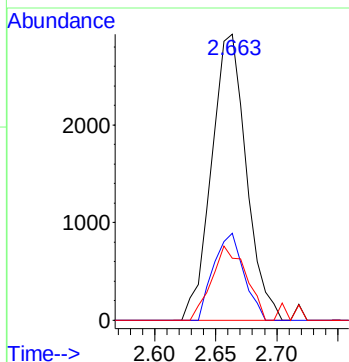
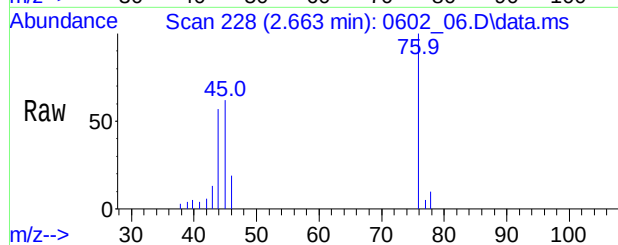
Quant Time: Jun 02 09:54:57 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





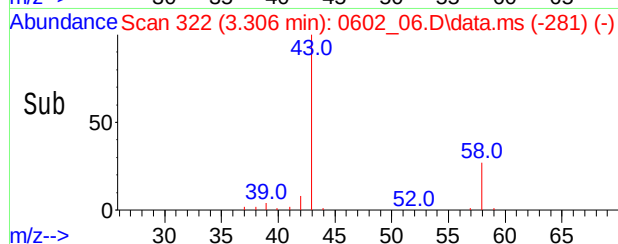
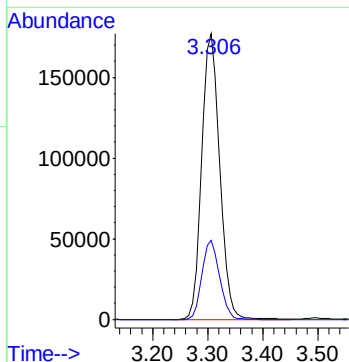
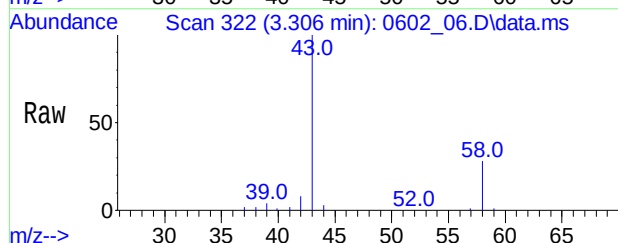
#10
Ethanol
Conc: 8\$ 0.980 ppbv
RT: 2.663 min Scan# 228
Delta R.T. 0.000 min
Lab File: 0602_06.D
Acq: 2 Jun 2020 9:17 am

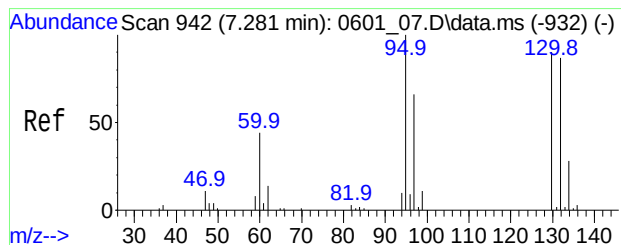
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	5745		
46	26.4	0.0	0.0#	
43	25.5	29.3	43.9#	



#12
Acetone
Conc: 8\$ 12.324 ppbv
RT: 3.306 min Scan# 322
Delta R.T. -0.021 min
Lab File: 0602_06.D
Acq: 2 Jun 2020 9:17 am

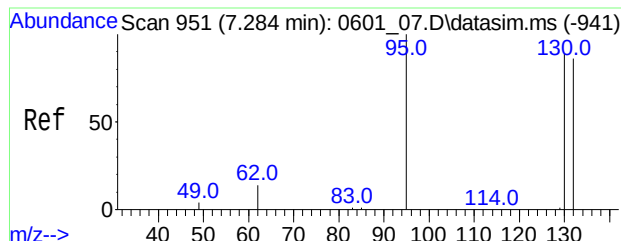
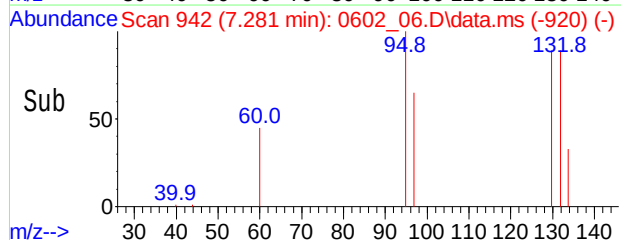
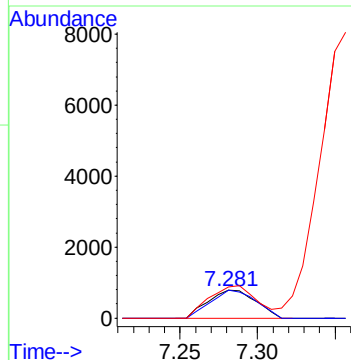
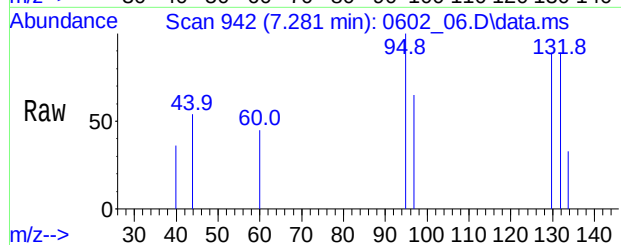
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	399440		
58	27.1	13.8	20.6#	





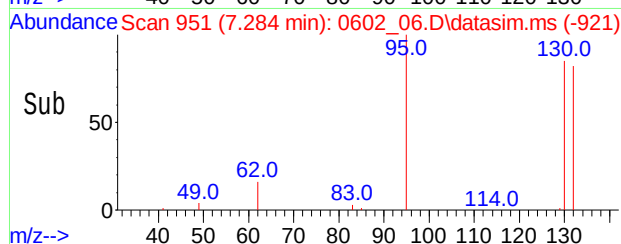
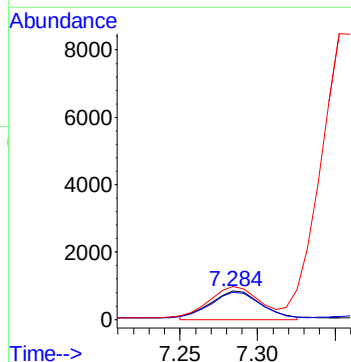
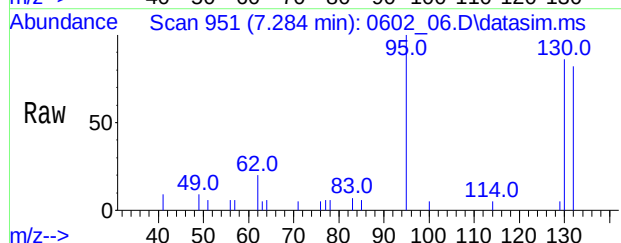
#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 7.281 min Scan# 942
Delta R.T. 0.000 min
Lab File: 0602_06.D
Acq: 2 Jun 2020 9:17 am

Tgt Ion:130 Resp: 1670
Ion Ratio Lower Upper
130 100
132 95.3 76.6 114.8
95 115.0 89.6 134.4



#97
Trichloroethene(sim)
Conc: 8\$ 0.063 ppbv
RT: 7.281 min Scan# 951
Delta R.T. 0.000 min
Lab File: 0602_06.D
Acq: 2 Jun 2020 9:17 am

Tgt Ion:130 Resp: 1670
Ion Ratio Lower Upper
130 100
132 95.3 74.3 111.5
95 115.0 89.6 134.4



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	BLOWER-3
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03913</u>	
Canister:	<u>21369</u>	Lab File ID:	<u>0601_22.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	5.39		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.802		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	25.4	S	0.531	0.531	r
67-64-1	Acetone	237	ES	0.421	0.421	
75-69-4	Trichlorofluoromethane	0.953		0.178	0.178	r
67-63-0	Isopropylalcohol	2.37	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	2.58		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.373		0.291	0.291	r
79-01-6	Trichloroethene	1.97		0.037	0.037	r
142-82-5	Heptane	0.260		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.348		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.570		0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03913

Canister: 21369 Lab File ID: 0601_22.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

BLOWER-3

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.091		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.113		0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.070		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.329		0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_22.D
 Acq On : 1 Jun 2020 9:38 pm
 Operator :
 Client ID : BLOWER-3
 Lab ID : CG03913
 ALS Vial : 19 Sample Multiplier: 1

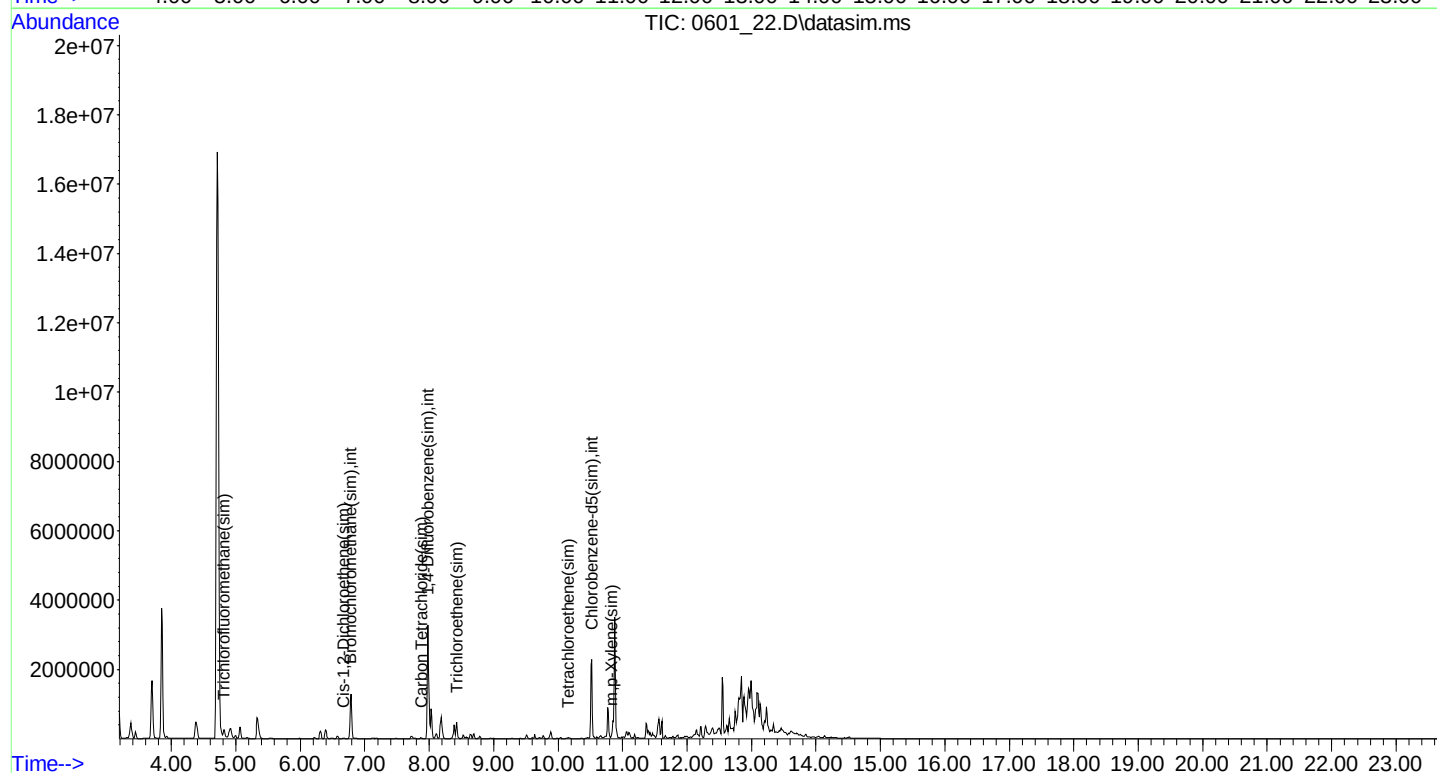
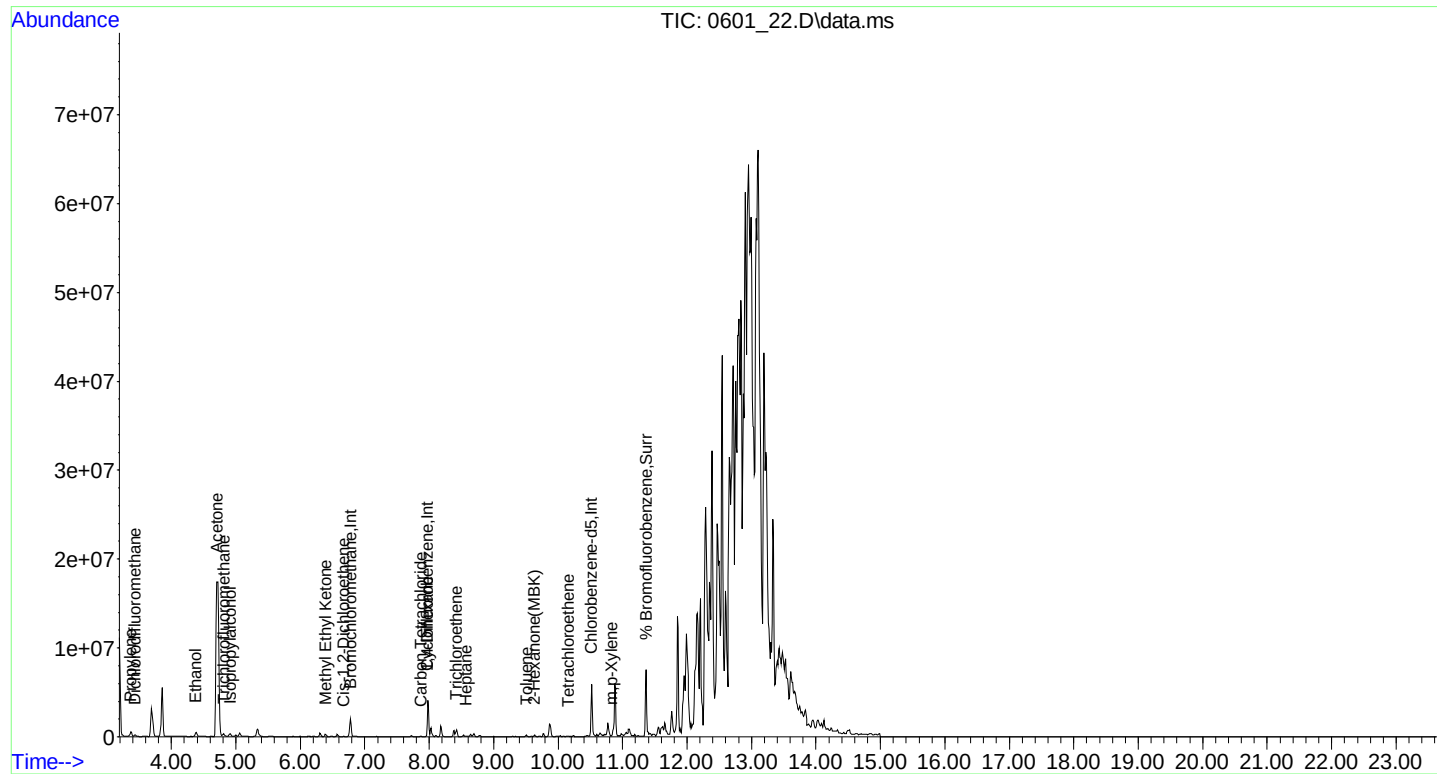
Quant Time: Jun 02 08:25:41 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

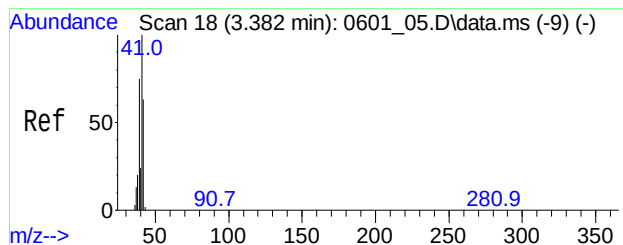
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.780	130	602443	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.976	114	2495796	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1408029	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.785	130	637785	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.982	114	2868242	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1552923	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1945913	9.602	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.00%
Target Compounds						
					Qvalue	
2) Propylene	3.371	41	282295	5.385	ppbv	98
3) Dichlorodifluoromethane	3.436	85	167217	0.802	ppbv	99
11) Ethanol	4.384	45	597046	25.357	ppbv	99
12) Acetone	4.708	43	26410679	237.195	ppbv#	86
13) Trichlorofluoromethane	4.815	101	204265	0.953	ppbv	99
14) Isopropylalcohol	4.912	45	292019	2.370	ppbv#	83
25) Methyl Ethyl Ketone	6.392	43	306324	2.584	ppbv	97
26) Cis-1,2-Dichloroethene	6.676	61	13824	0.123	ppbv	93
34) Carbon Tetrachloride	7.876	117	16472	0.092	ppbv	97
35) Cyclohexane	7.976	84	21063	0.373	ppbv#	26
39) Trichloroethene	8.422	130	190530	1.975	ppbv	98
43) Heptane	8.567	43	36874	0.260	ppbv#	81
48) Toluene	9.510	91	79979	0.348	ppbv	97
50) 2-Hexanone(MBK)	9.636	43	103062	0.570	ppbv#	91
52) Tetrachloroethene	10.160	166	10252	0.073	ppbv	90
57) m,p-Xylene	10.836	91	70287	0.289	ppbv	96
84) Trichlorofluoromethane...	4.821	101	220407	0.932	ppbv#	100
87) Carbon Tetrachloride(sim)	7.876	117	16472	0.091	ppbv	97
92) Cis-1,2-Dichloroethene...	6.671	61	12721	0.113	ppbv	93
97) Trichloroethene(sim)	8.422	130	190525	1.890	ppbv	98
103) Tetrachloroethene(sim)	10.160	166	10252	0.070	ppbv	89
106) m,p-Xylene(sim)	10.831	91	80493	0.329	ppbv	98

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
Data File : 0601_22.D
Acq On : 1 Jun 2020 9:38 pm
Operator :
Client ID : BLOWER-3
Lab ID : CG03913
ALS Vial : 19 Sample Multiplier: 1

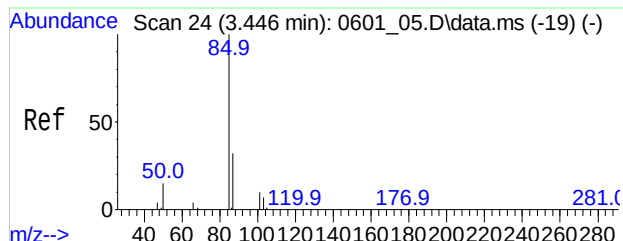
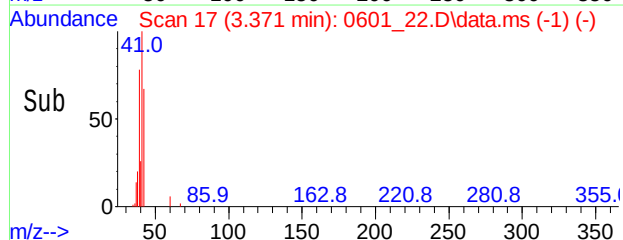
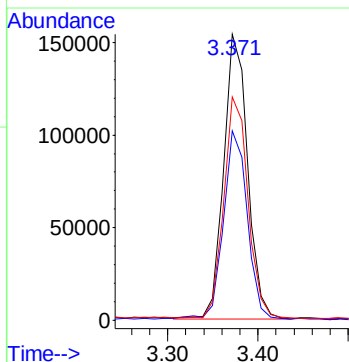
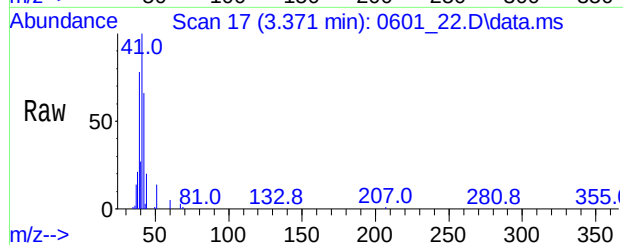
Quant Time: Jun 02 08:25:41 2020
Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Wed May 27 10:44:12 2020
Response via : Initial Calibration





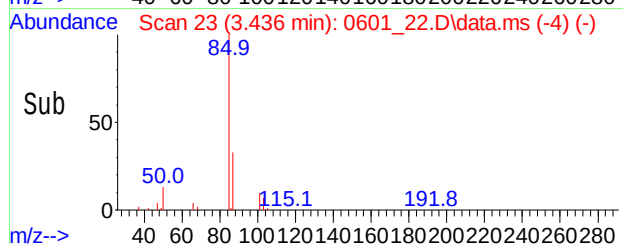
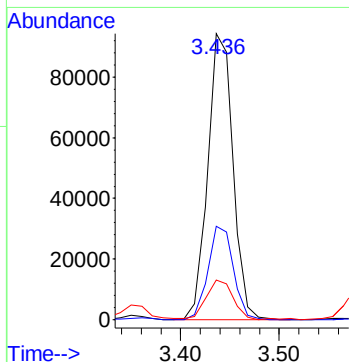
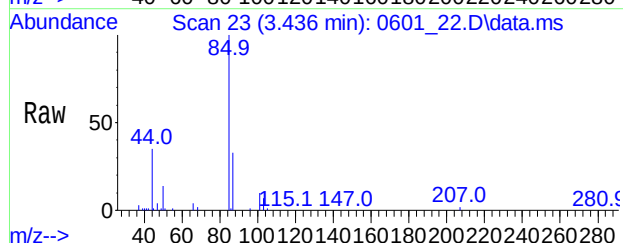
#2
Propylene
Conc: 8\$ 5.385 ppbv
RT: 3.371 min Scan# 17
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

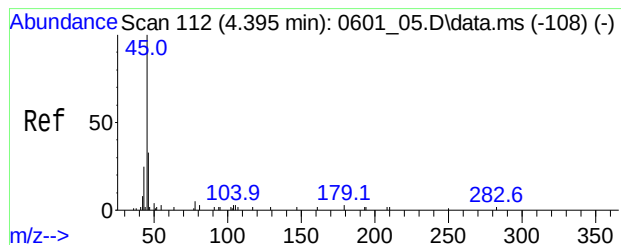
Tgt Ion: 41 Resp: 282295
Ion Ratio Lower Upper
41 100
42 66.4 53.3 79.9
39 79.1 65.2 97.8



#3
Dichlorodifluoromethane
Conc: 8\$ 0.802 ppbv
RT: 3.436 min Scan# 23
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

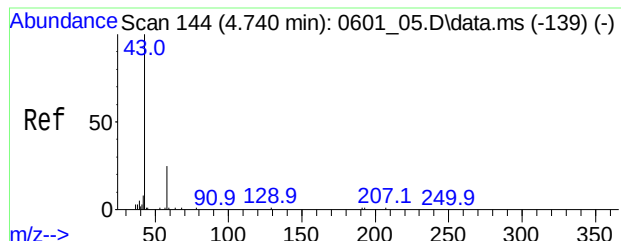
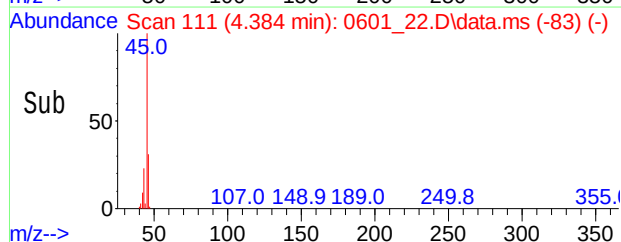
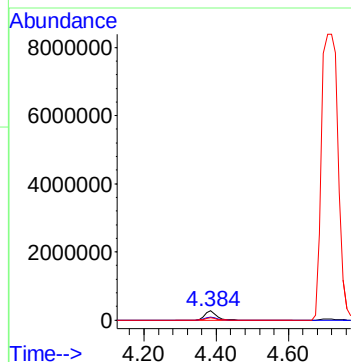
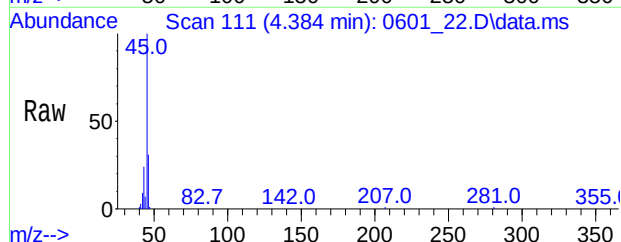
Tgt Ion: 85 Resp: 167217
Ion Ratio Lower Upper
85 100
87 32.9 25.7 38.5
50 14.1 11.0 16.6





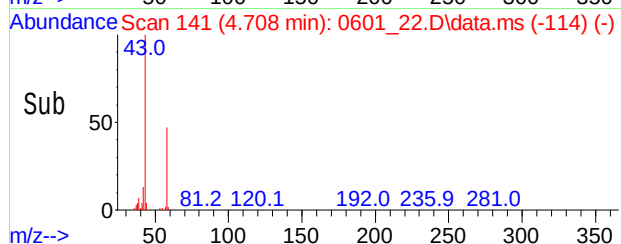
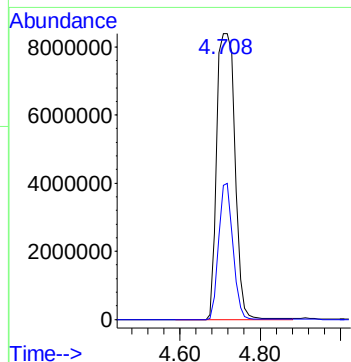
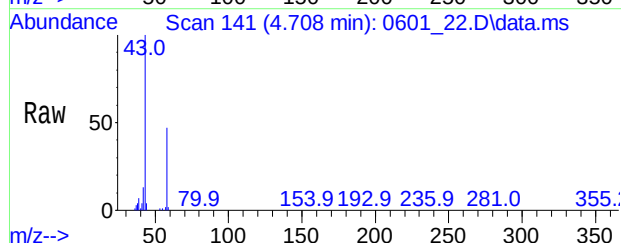
#11
Ethanol
Conc: 8\$ 25.357 ppbv
RT: 4.384 min Scan# 111
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

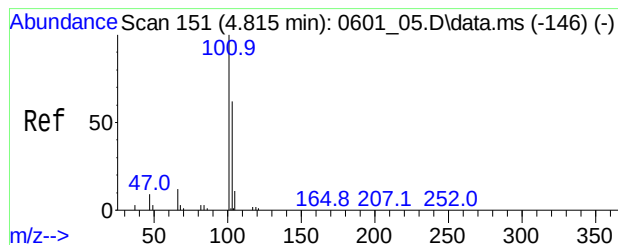
Tgt Ion: 45 Resp: 597046
Ion Ratio Lower Upper
45 100
46 31.2 24.6 37.0
43 23.1 19.3 28.9



#12
Acetone
Conc: 8\$ 237.195 ppbv
RT: 4.708 min Scan# 141
Delta R.T. -0.011 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

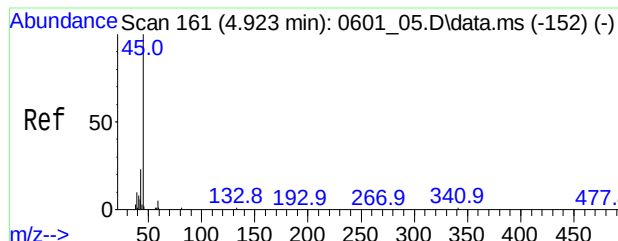
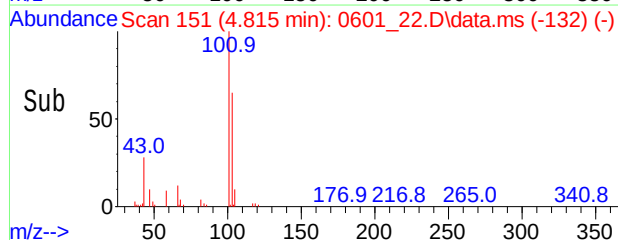
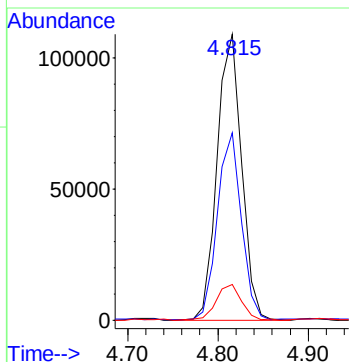
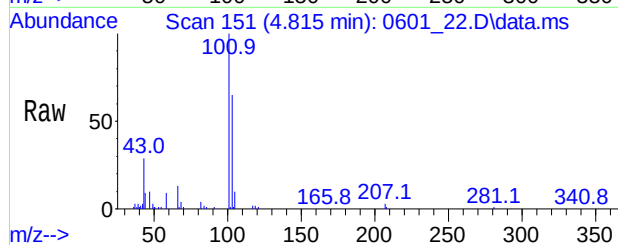
Tgt Ion: 43 Resp: 26410679
Ion Ratio Lower Upper
43 100
58 37.6 23.8 35.8#





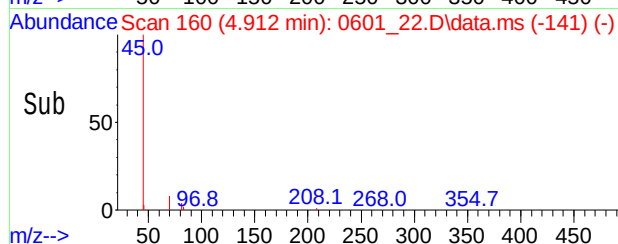
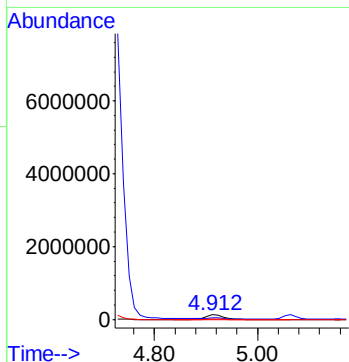
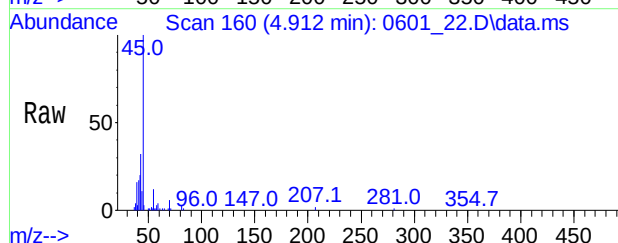
#13
Trichlorofluoromethane
Conc: 8\$ 0.953 ppbv
RT: 4.815 min Scan# 151
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

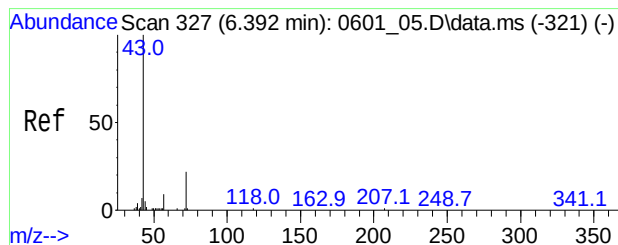
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	204265		
103	64.1	50.9	76.3	
66	13.0	10.0	15.0	



#14
Isopropylalcohol
Conc: 8\$ 2.370 ppbv
RT: 4.912 min Scan# 160
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

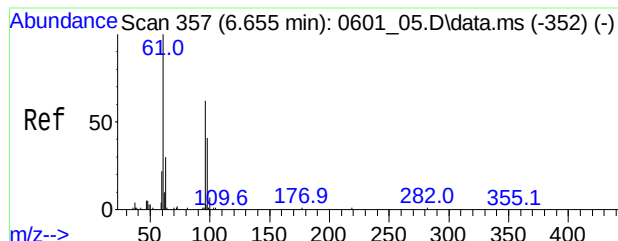
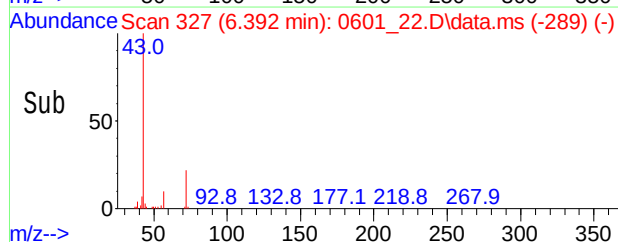
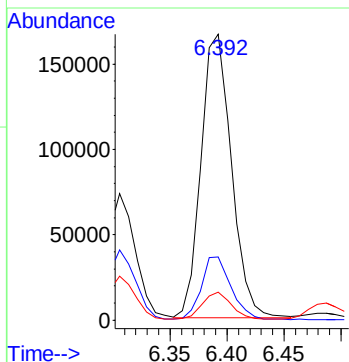
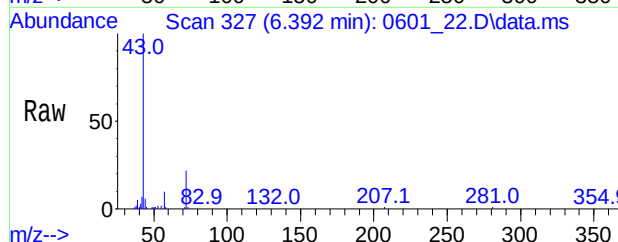
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	292019		
43	34.6	19.9	29.9#	
59	4.0	3.6	5.4	





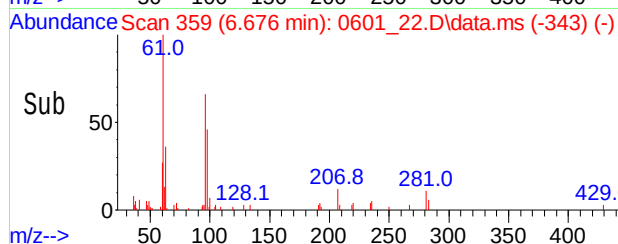
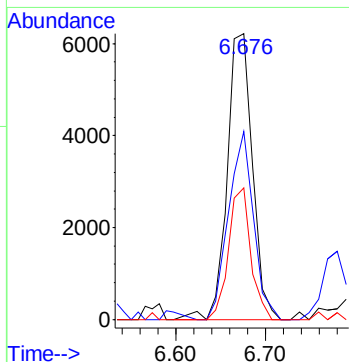
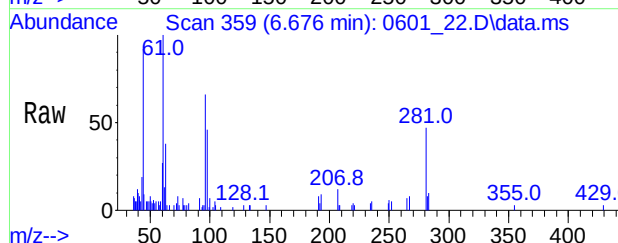
#25
Methyl Ethyl Ketone
Conc: 8\$ 2.584 ppbv
RT: 6.392 min Scan# 327
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

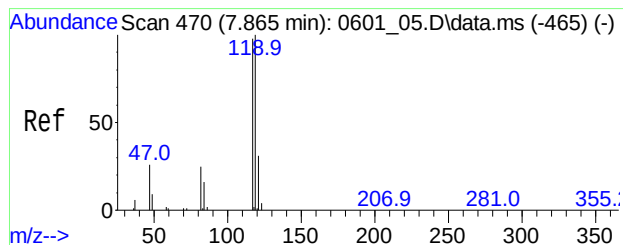
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	306324		
72	22.4	19.0	28.4	
57	9.8	8.6	12.8	



#26
Cis-1,2-Dichloroethene
Conc: 8\$ Below Cal
RT: 6.676 min Scan# 359
Delta R.T. 0.010 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

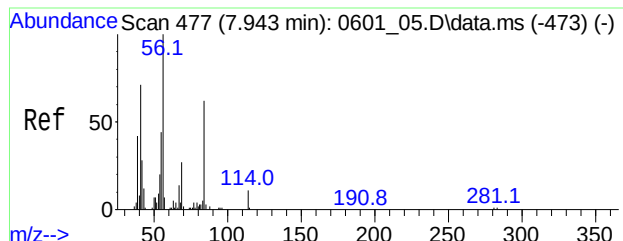
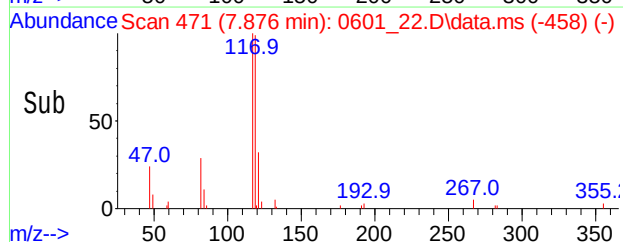
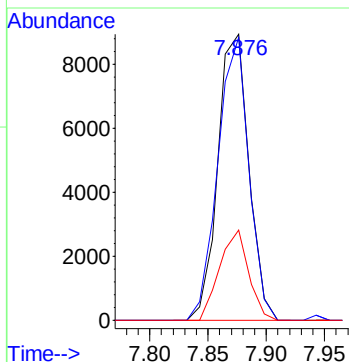
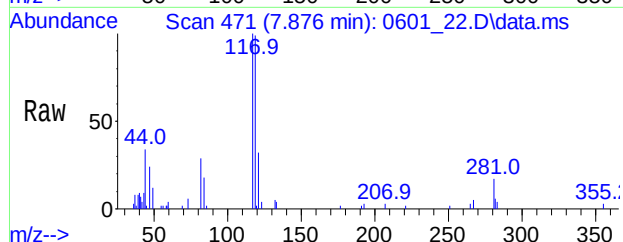
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	13824		
96	57.4	50.5	75.7	
98	35.9	32.3	48.5	





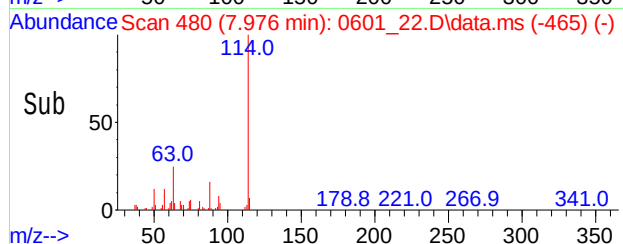
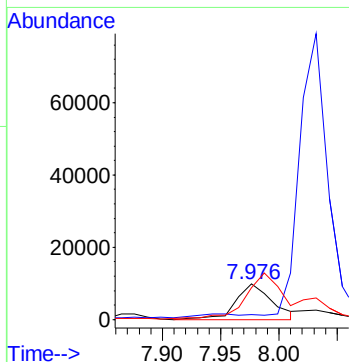
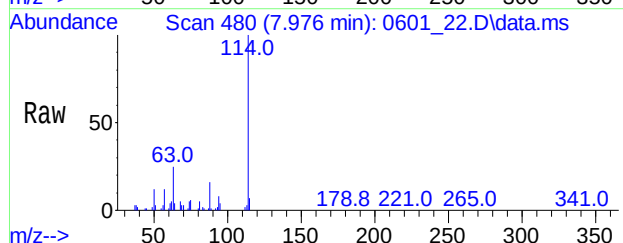
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.876 min Scan# 471
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

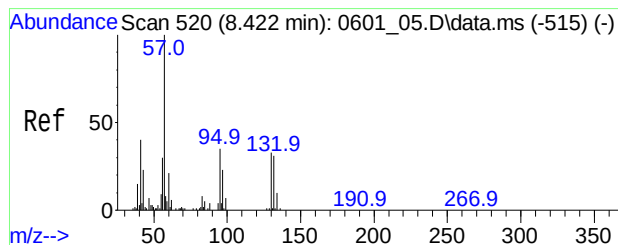
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	16472		
119	98.7	75.6	115.6	
121	29.4	10.3	50.3	



#35
Cyclohexane
Conc: 8\$ 0.373 ppbv
RT: 7.976 min Scan# 480
Delta R.T. 0.022 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

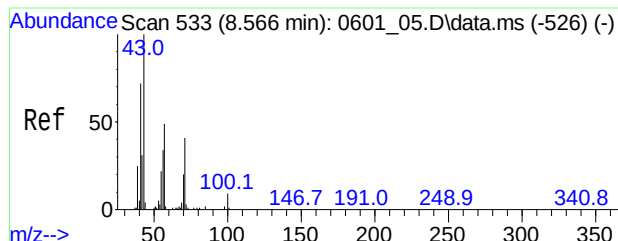
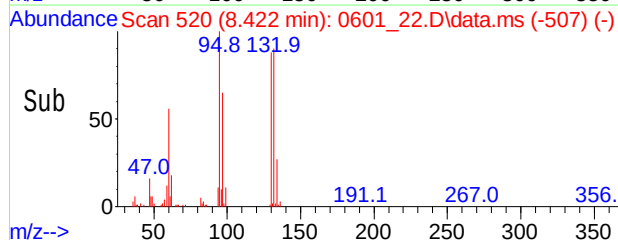
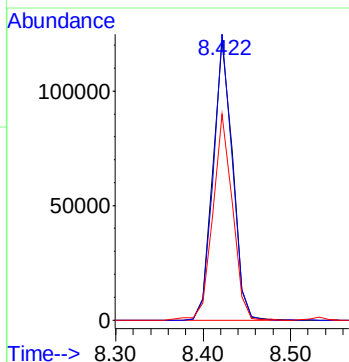
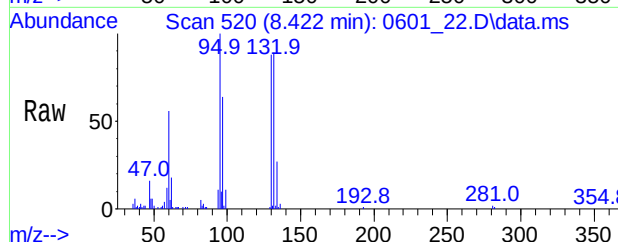
Tgt Ion	Ratio	Resp	Lower	Upper
84	100	21063		
41	19.7	90.3	135.5#	
55	126.0	62.2	93.4#	





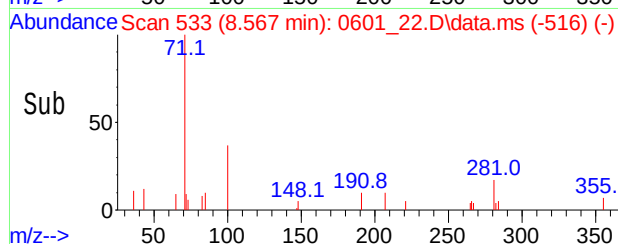
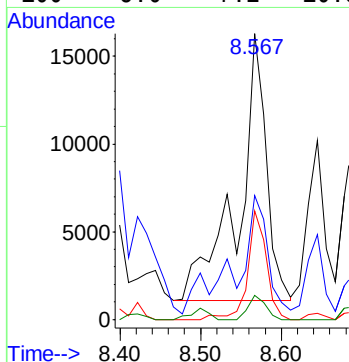
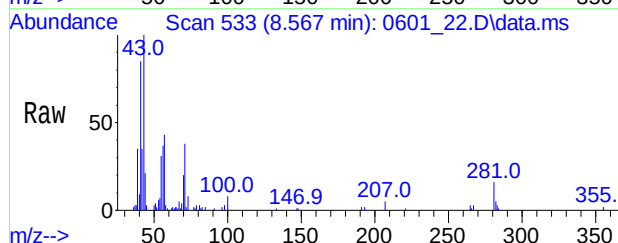
#39
Trichloroethene
Conc: 8\$ 1.975 ppbv
RT: 8.422 min Scan# 520
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

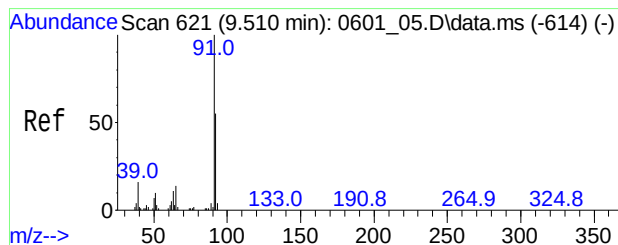
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	190530		
132	97.7	80.6	121.0	
97	72.8	58.1	87.1	



#43
Heptane
Conc: 8\$ 0.260 ppbv
RT: 8.567 min Scan# 533
Delta R.T. -0.011 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

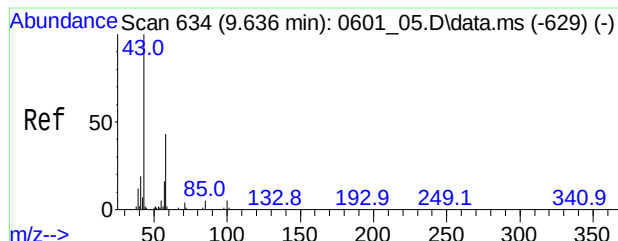
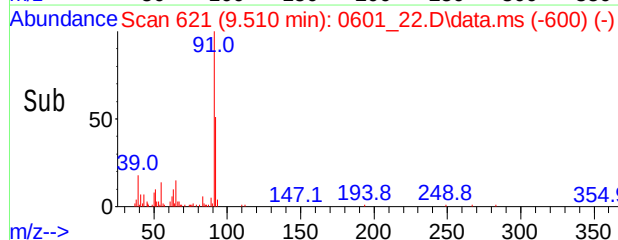
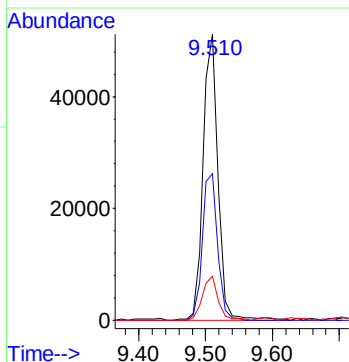
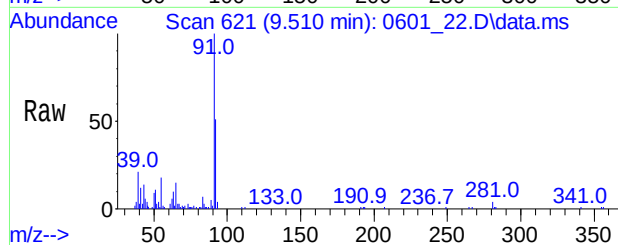
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	36874		
57	41.8	43.7	65.5#	
71	26.9	32.4	48.6#	
100	5.6	7.2	10.8#	





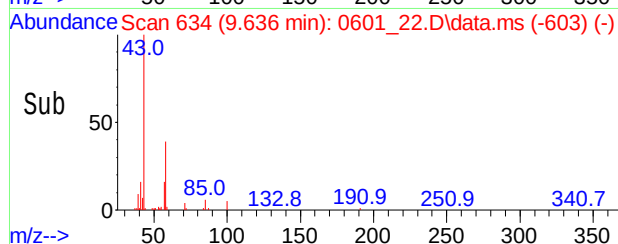
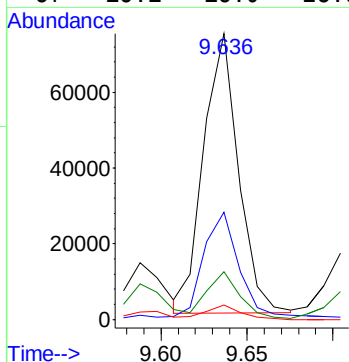
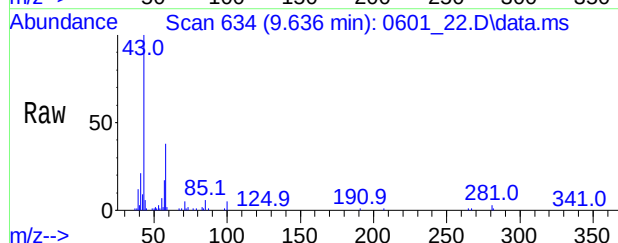
#48
Toluene
Conc: 8\$ 0.348 ppbv
RT: 9.510 min Scan# 621
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

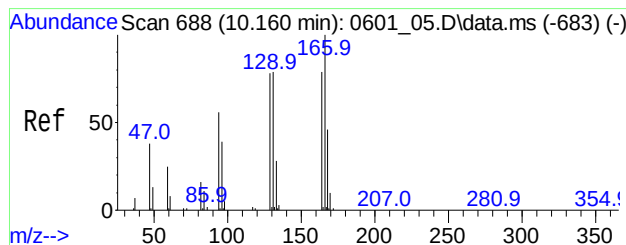
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	79979		
92	52.1	43.6	65.4	
65	16.2	12.2	18.4	



#50
2-Hexanone(MBK)
Conc: 8\$ 0.570 ppbv
RT: 9.636 min Scan# 634
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

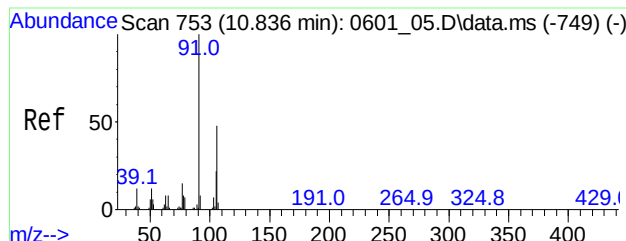
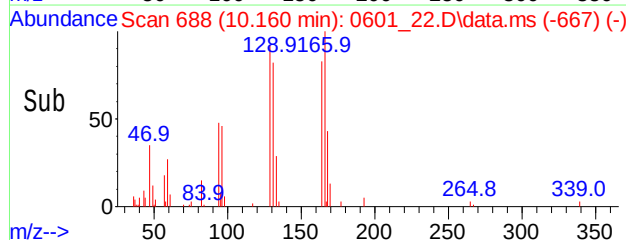
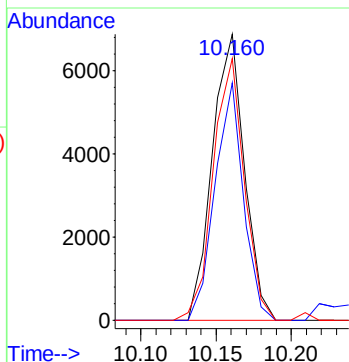
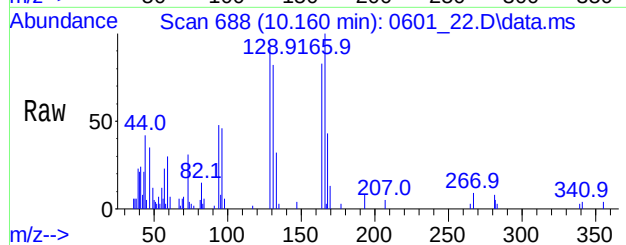
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	103062		
58	43.0	39.1	58.7	
100	5.3	4.6	6.8	
57	15.1	15.9	23.9	





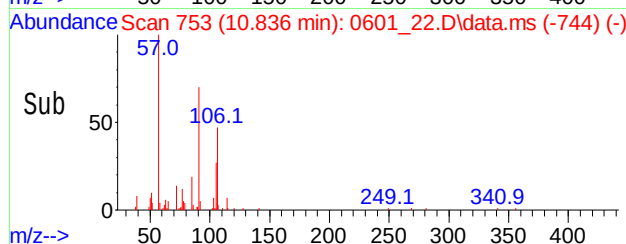
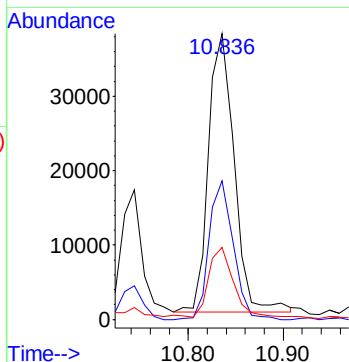
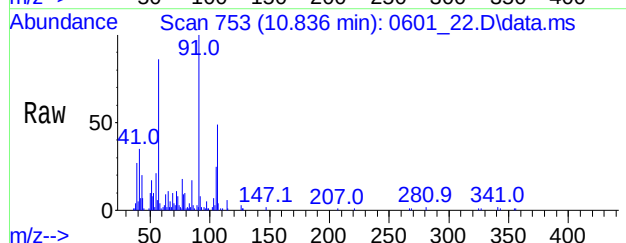
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.160 min Scan# 688
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

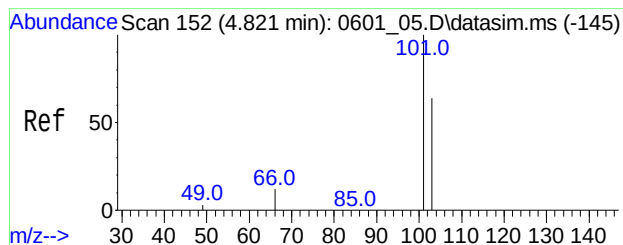
Tgt Ion:	166	Resp:	10252
Ion Ratio	Lower	Upper	
166	100		
164	73.4	63.3	94.9
129	88.7	61.2	91.8



#57
m,p-Xylene
Conc: 8\$ 0.289 ppbv
RT: 10.836 min Scan# 753
Delta R.T. -0.010 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

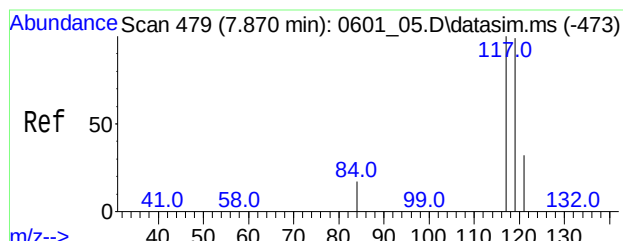
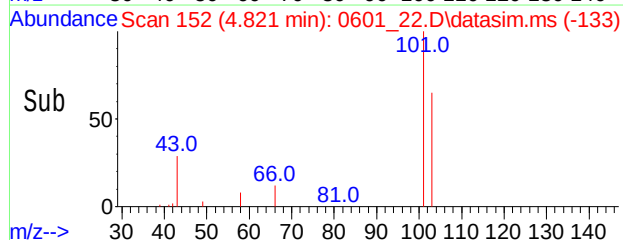
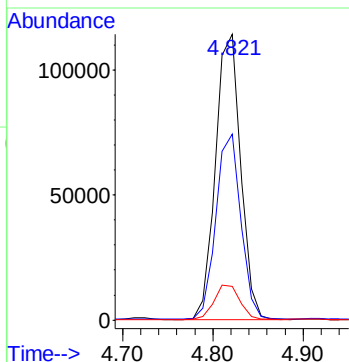
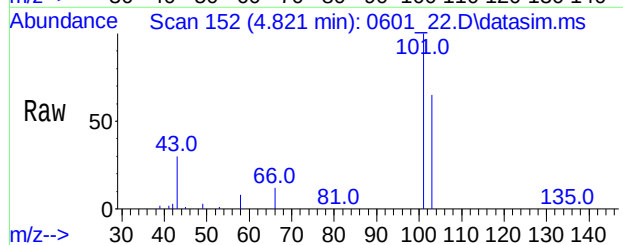
Tgt Ion:	91	Resp:	70287
Ion Ratio	Lower	Upper	
91	100		
106	46.6	35.6	53.4
105	23.4	17.1	25.7





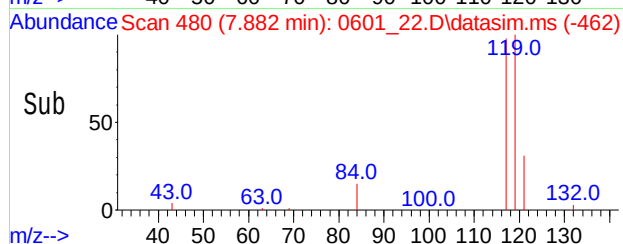
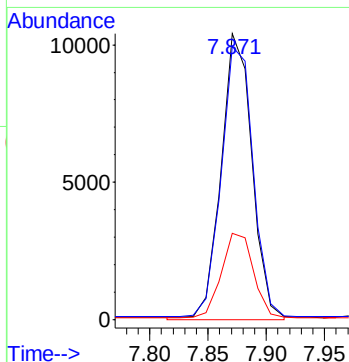
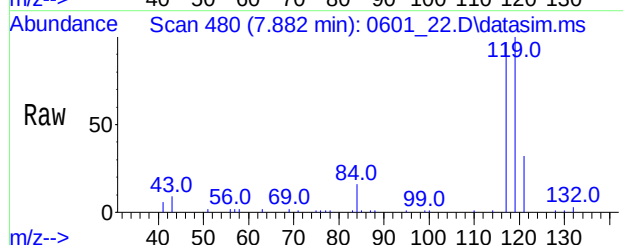
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.932 ppbv
RT: 4.821 min Scan# 152
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

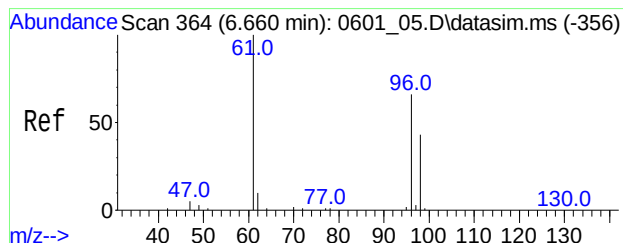
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	220407		
103	64.0	51.2	76.8	
66	12.3	12.8	12.8#	



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.091 ppbv
RT: 7.876 min Scan# 480
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

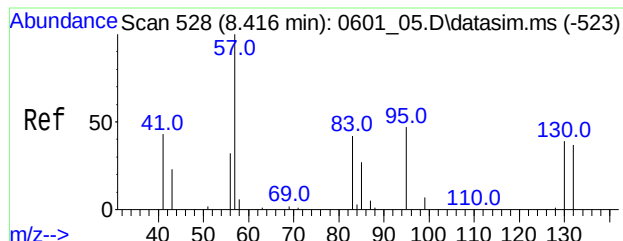
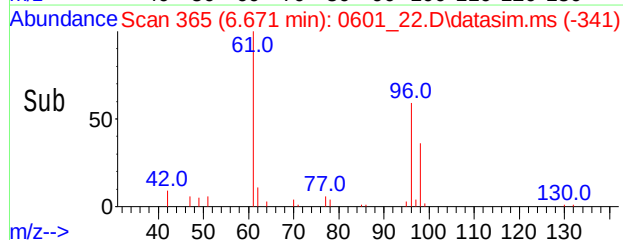
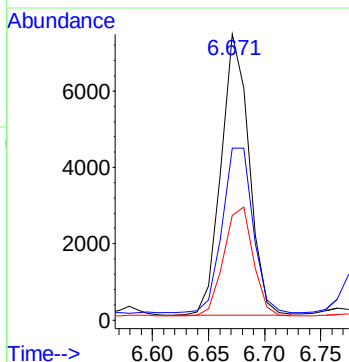
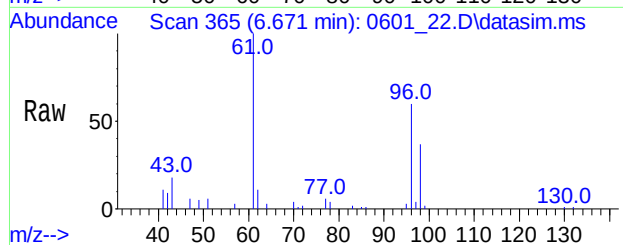
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	16472		
119	98.7	76.5	114.7	
121	29.4	24.2	36.4	





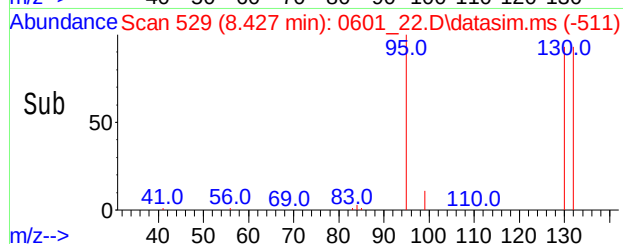
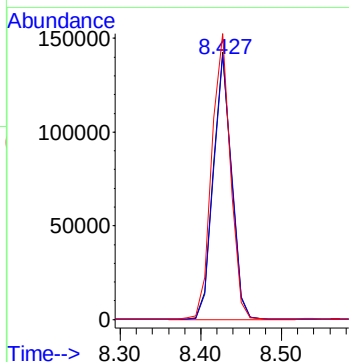
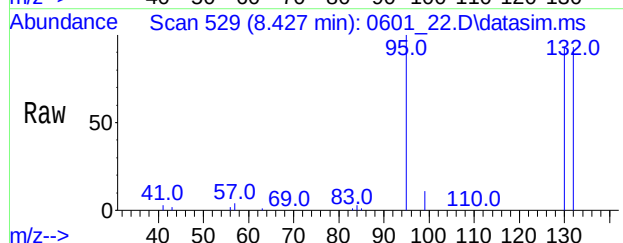
#92
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 0.113 ppbv
RT: 6.671 min Scan# 365
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

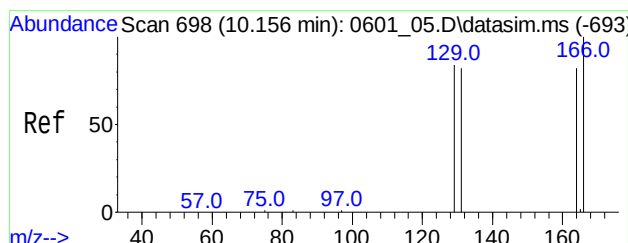
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	12721		
96	65.0	47.0	70.6	
98	41.5	30.7	46.1	



#97
Trichloroethene(sim)
Conc: 8\$ 1.890 ppbv
RT: 8.422 min Scan# 529
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

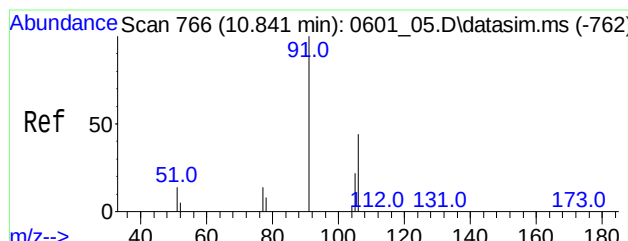
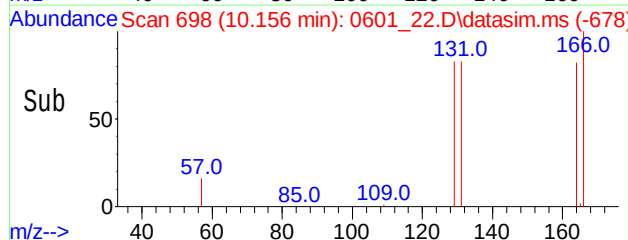
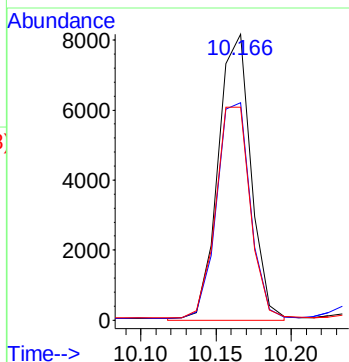
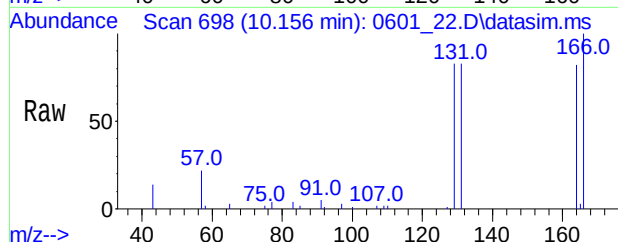
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	190525		
132	97.7	80.6	120.8	
95	112.5	90.4	135.6	





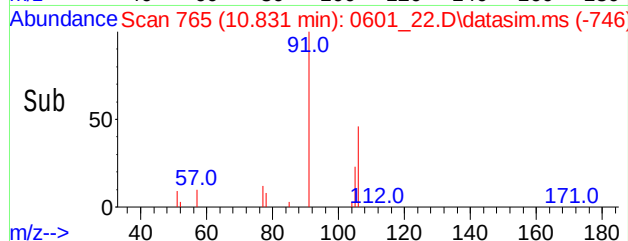
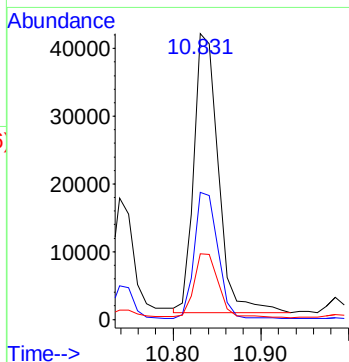
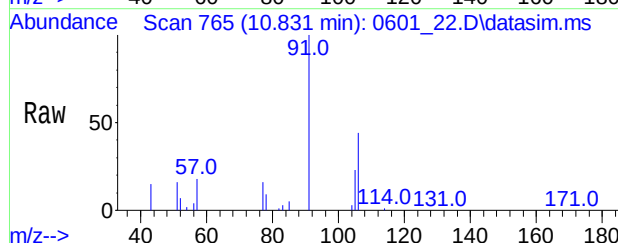
#103
Tetrachloroethene(sim)
Conc: 8\$ 0.070 ppbv
RT: 10.160 min Scan# 698
Delta R.T. -0.000 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	10252		
164	71.6	59.1	99.1	
129	87.7	56.6	96.6	



#106
m,p-Xylene(sim)
Conc: 8\$ 0.329 ppbv
RT: 10.831 min Scan# 765
Delta R.T. -0.010 min
Lab File: 0601_22.D
Acq: 1 Jun 2020 9:38 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	80493		
106	43.4	40.1	49.0	
105	23.1	17.3	25.9	



BLOWER-3 30X

ppbv

r

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_07.D
 Acq On : 2 Jun 2020 9:49 am
 Operator : Keith
 Client ID : BLOWER-3 30X
 Lab ID : CG03913 30X
 ALS Vial : 165 Sample Multiplier: 1

Quant Time: Jun 02 10:22:21 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

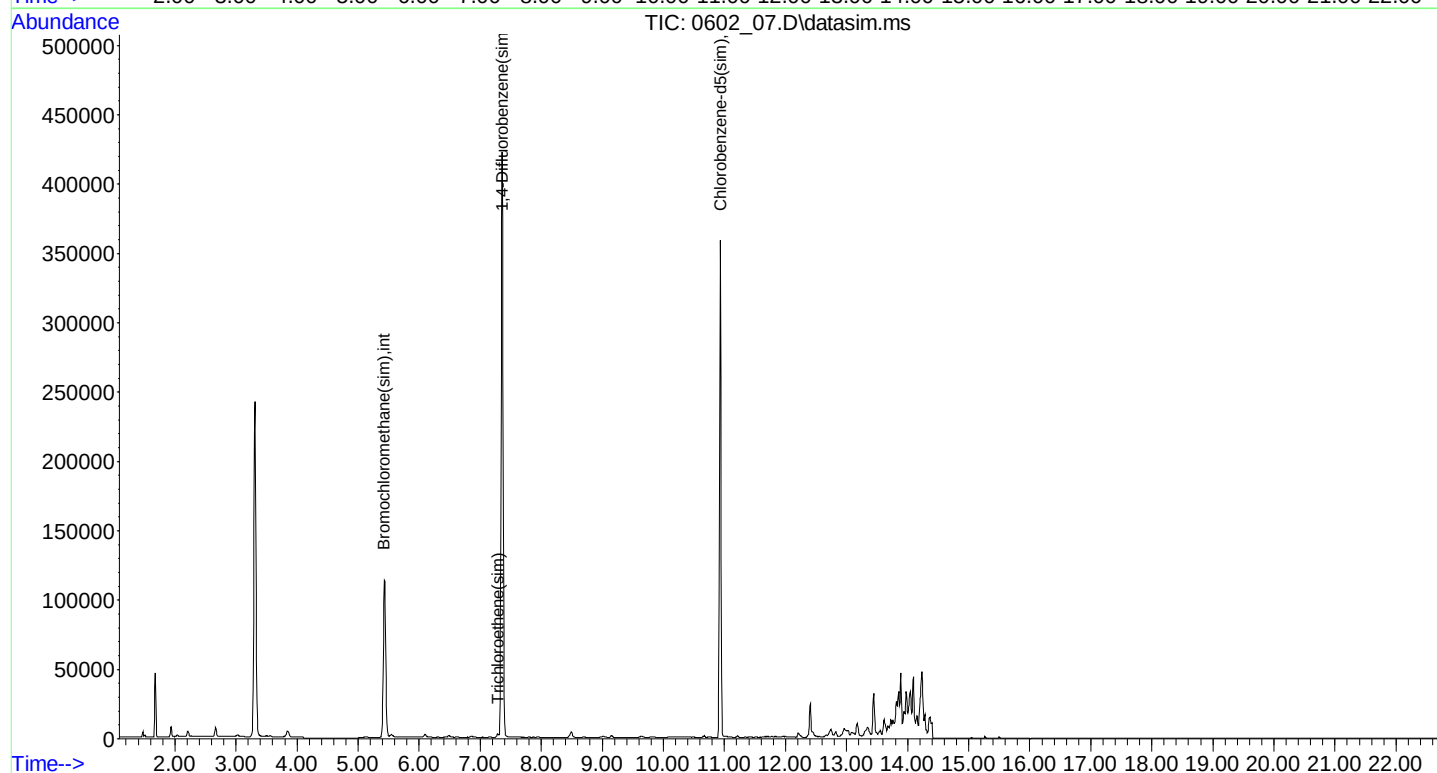
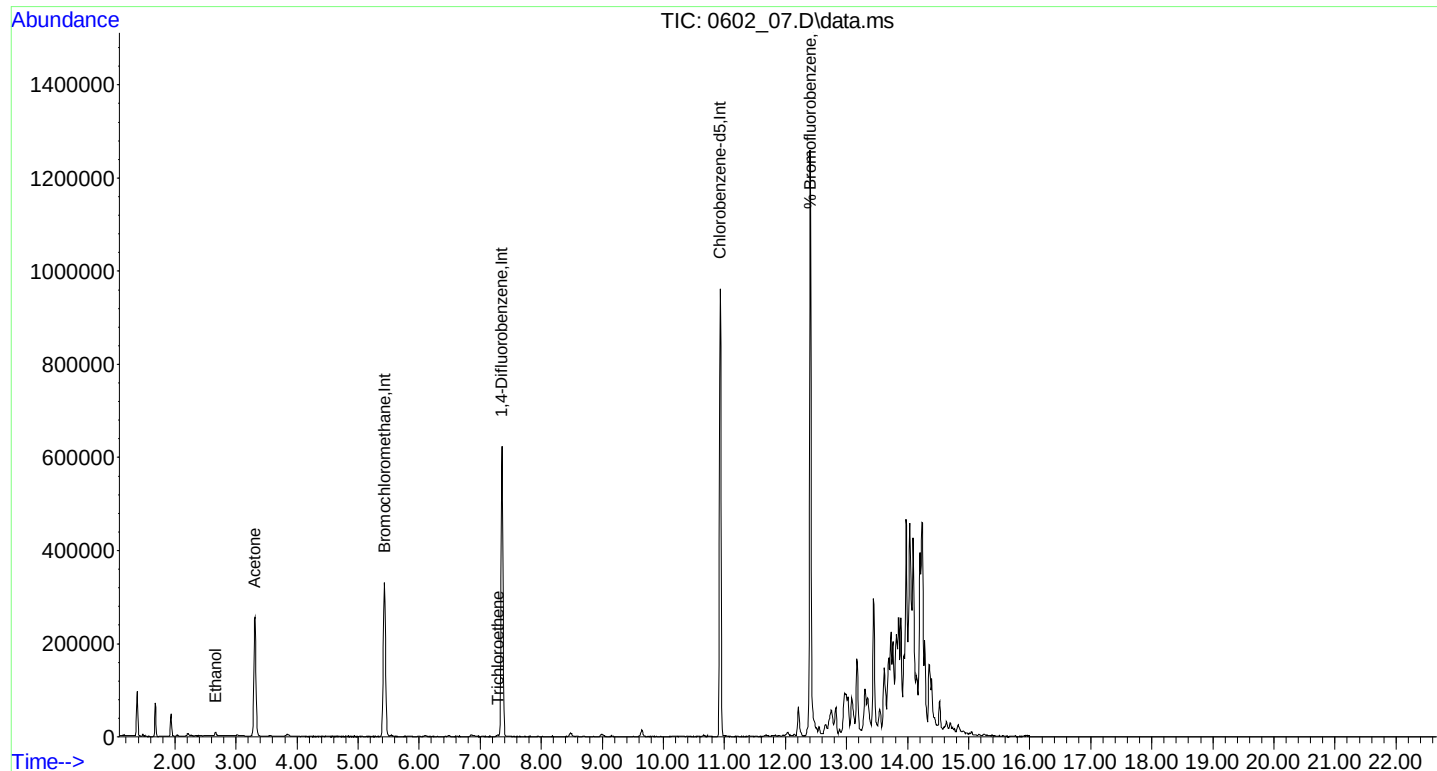
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

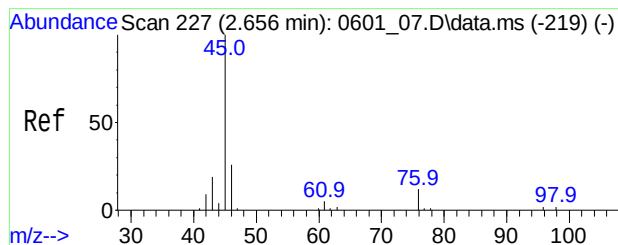
Internal Standards						
1) Bromochloromethane	5.434	130	164558	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.356	114	582043	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	315514	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	163101	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	631017	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.934	82	333551	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.404	95	421362	9.852	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.50%
Target Compounds						
10) Ethanol	2.663	45	5586	0.994	ppbv	Qvalue 92
12) Acetone	3.313	43	388999	12.519	ppbv#	77
39) Trichloroethene	7.288	130	1730	0.070	ppbv	89
97] Trichloroethene(sim)	7.288	130	1730	0.068	ppbv	90

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0602_07.D
Acq On : 2 Jun 2020 9:49 am
Operator : Keith
Client ID : BLOWER-3 30X
Lab ID : CG03913 30X
ALS Vial : 165 Sample Multiplier: 1

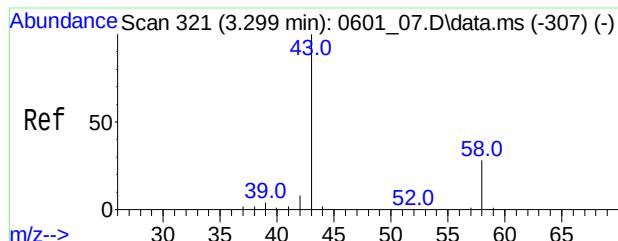
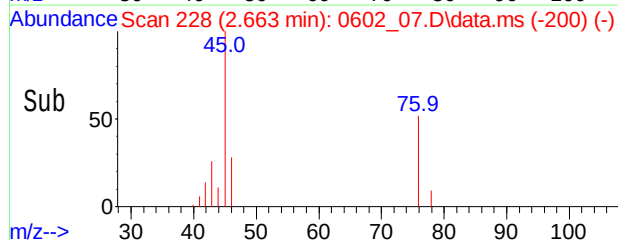
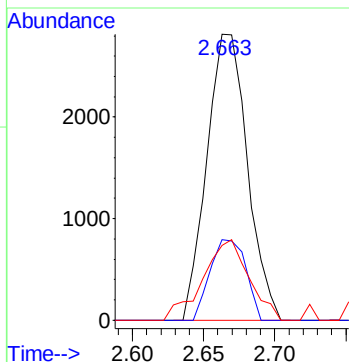
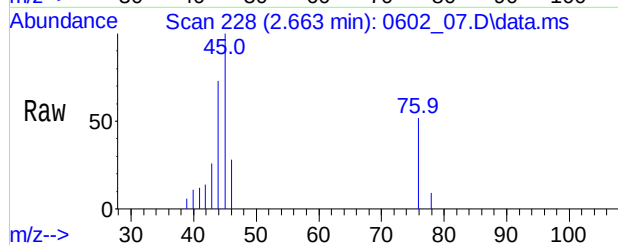
Quant Time: Jun 02 10:22:21 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





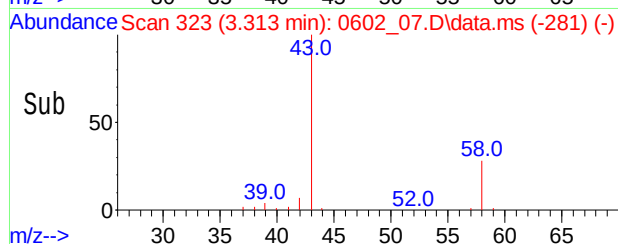
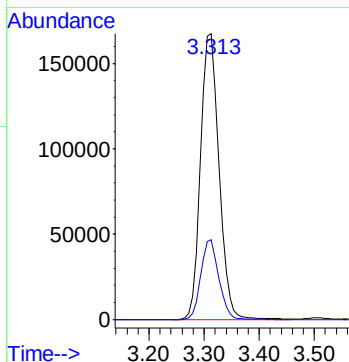
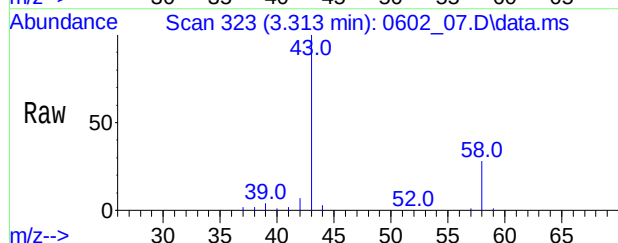
#10
Ethanol
Conc: 8\$ 0.994 ppbv
RT: 2.663 min Scan# 228
Delta R.T. 0.000 min
Lab File: 0602_07.D
Acq: 2 Jun 2020 9:49 am

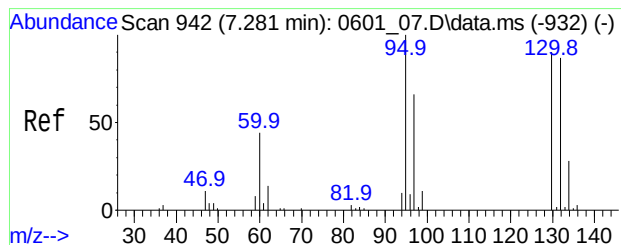
Tgt Ion: 45 Resp: 5586
Ion Ratio Lower Upper
45 100
46 24.7 0.0 0.0#
43 31.9 29.3 43.9



#12
Acetone
Conc: 8\$ 12.519 ppbv
RT: 3.313 min Scan# 323
Delta R.T. -0.014 min
Lab File: 0602_07.D
Acq: 2 Jun 2020 9:49 am

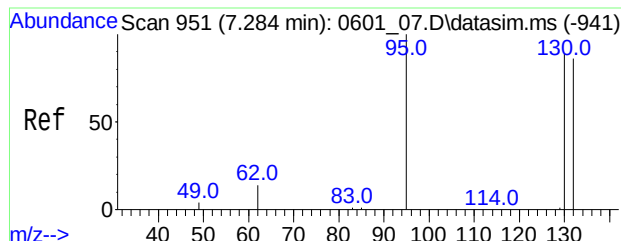
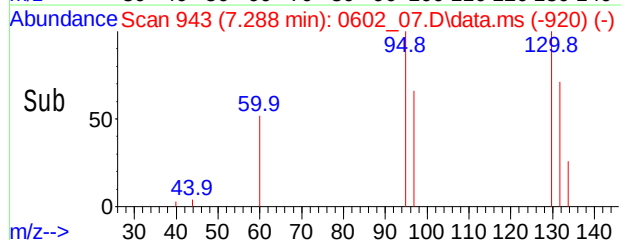
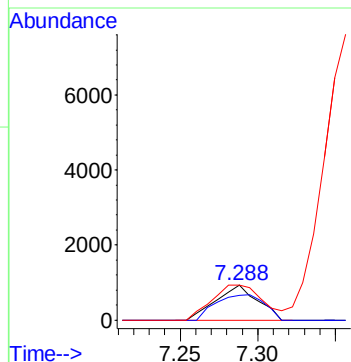
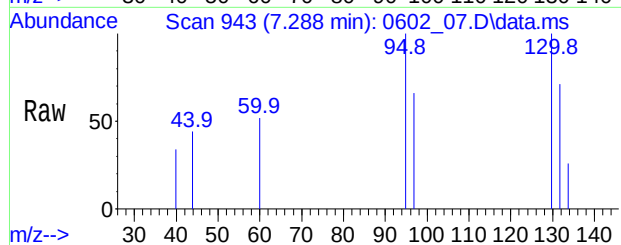
Tgt Ion: 43 Resp: 388999
Ion Ratio Lower Upper
43 100
58 27.0 13.8 20.6#





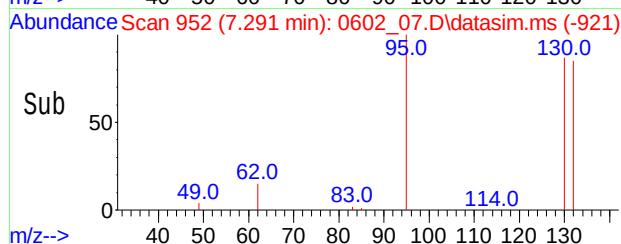
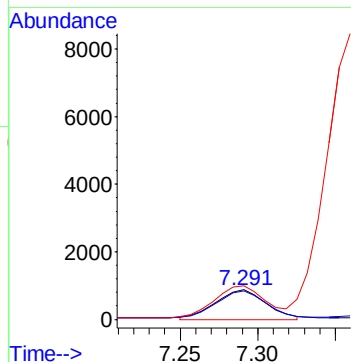
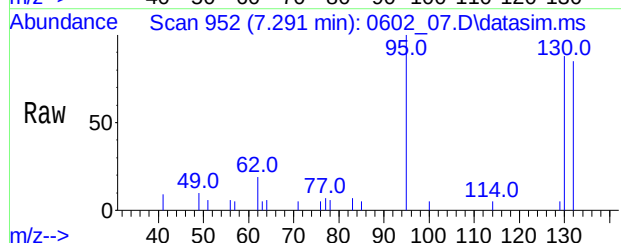
#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 7.288 min Scan# 943
Delta R.T. 0.007 min
Lab File: 0602_07.D
Acq: 2 Jun 2020 9:49 am

Tgt Ion:130 Resp: 1730
Ion Ratio Lower Upper
130 100
132 85.3 76.6 114.8
95 123.6 89.6 134.4



#97
Trichloroethene(sim)
Conc: 8\$ 0.068 ppbv
RT: 7.288 min Scan# 952
Delta R.T. 0.007 min
Lab File: 0602_07.D
Acq: 2 Jun 2020 9:49 am

Tgt Ion:130 Resp: 1730
Ion Ratio Lower Upper
130 100
132 85.3 74.3 111.5
95 123.6 89.6 134.4



Response Factor Report CHEM20

Method Path : H:\AIR2020\CHEM20\METHODS\
 Method File : 20_AIR_0522.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:44:07 2020
 Response Via : Initial Calibration

Calibration Files (Note: Curves (l,lf,g,qf) display calculated conc and corr. coefficient.)

.035=0522_04.D 0.05=0522_05.D 0.10=0522_06.D 0.2=0522_14.D 0.5=0522_07.D 1.0=0522_13.D 2.5=0522_08.D 5.0=0522_09.D
 10=0522_15.D 25=0522_10.D 40=0522_11.D 0.02=0522_03.D

Compound	.035	0.05	0.10	0.2	0.5	1.0	2.5	5.0	10	25	40	0.02	Avg	%RSD
1) Int Bromochloromethane	-----ISTD-----													
2) Propylene				0.827	0.778	0.826	0.818	0.940	0.886	0.944	0.944		0.870	7.64
3) Dichlorodifluo...				3.218	3.116	3.307	3.452	3.890	3.599	3.644	3.461		3.461	7.23
4) Chloromethane				1.121	0.871	1.029	1.002	1.142	1.047	1.106	1.116		1.054	8.46
5) 1,2-Dichlorote...				2.845	2.678	2.982	2.950	3.355	3.097	3.151	3.177		3.029	6.98
6) Vinyl Chloride				1.258	1.105	1.136	1.157	1.306	1.206	1.280	1.330		1.222	6.85
7) 1,3-Butadiene				0.992	0.792	0.892	0.799	0.982	0.877	0.946	0.975		0.907	8.83
8) Bromomethane				1.084	0.994	1.068	1.031	1.128	1.053	1.092	1.141		1.074	4.54
9) Chloroethane				0.531	0.488	0.509	0.483	0.562	0.505	0.534	0.564		0.522	5.92
11) Ethanol					0.360	0.398	0.369	0.400	0.383	0.402	0.425		0.391	5.63
12) Acetone				1.825	1.680	1.894	1.836	1.928	1.819	1.861	1.944		1.848	4.46
13) Trichlorofluor...				3.230	3.390	3.609	3.588	3.852	3.751	3.552	3.491		3.558	5.50
14) Isopropylalcohol				2.031	1.704	2.143	2.033	2.149	2.028	2.098	2.173		2.045	7.32
15) Acrylonitrile				0.823	0.611	0.733	0.686	0.814	0.787	0.798	0.852		0.763	10.60
16) 1,1-Dichloroet...				2.073	2.251	2.441	2.366	2.579	2.477	2.509	2.557		2.407	7.13
17) Methylene Chlo...				1.459	1.207	1.306	1.177	1.336	1.265	1.255	1.299		1.288	6.71
20) Carbon Disulfide				2.535	2.391	2.669	2.550	2.875	2.777	2.845	2.941		2.698	7.17
21) Trichlorotrifl...				2.205	2.170	2.347	2.287	2.508	2.393	2.335	2.373		2.327	4.62
22) Trans-1,2-Dich...				1.743	1.625	1.829	1.724	1.966	1.880	1.887	1.935		1.824	6.41
23) 1,1-Dichloroet...				2.173	1.948	2.223	2.074	2.330	2.206	2.212	2.245		2.176	5.35
24) Methyl tert-bu...				3.059	2.631	2.866	2.794	3.133	3.040	3.075	3.133		2.966	6.16
25) Methyl Ethyl K...				1.883	1.650	2.019	1.847	2.144	2.013	2.063	2.125		1.968	8.42
26) Cis-1,2-Dichlo...					1.713	1.976	1.755	2.015	1.848	1.918	1.807		1.862	6.05
27) Hexane				1.488	1.392	1.581	1.491	1.711	1.651	1.694	1.701		1.589	7.55
28) Chloroform				2.364	2.301	2.534	2.431	2.696	2.547	2.469	2.434		2.472	4.93
29) Ethyl acetate				0.430	0.385	0.432	0.370	0.423	0.404	0.402	0.412		0.407	5.32
30) Tetrahydrofuran				0.792	0.661	0.912	0.830	1.023	1.028	1.075	1.102		0.928	16.82
31) 1,2-Dichloroet...				1.857	1.750	2.052	1.945	2.174	2.128	2.124	2.138		2.021	7.62
32) 1,1,1-Trichlor...				2.524	2.260	2.628	2.551	2.804	2.708	2.667	2.683		2.603	6.31
33) Benzene				1.900	1.684	2.292	2.079	2.470	2.426	2.538	2.643		2.254	14.91
34) Carbon Tetrach...				2.683	2.696	2.988	2.907	3.214	3.144	3.082	3.050		2.971	6.62
35) Cyclohexane					1.060	0.920	0.762	0.920	0.925	0.972	1.008		0.938	10.01
36) Int 1,4-Difluorobenzene	-----ISTD-----													
37) 1,2-dichloropr...				0.372	0.304	0.338	0.321	0.366	0.367	0.368	0.371		0.351	7.51
38) Bromodichlorom...				0.772	0.733	0.751	0.773	0.857	0.848	0.827	0.796		0.795	5.72
39) Trichloroethene				0.339	0.325	0.381	0.380	0.427	0.415	0.416	0.412		0.387	9.80
41) 1,4-Dioxane				0.120	0.121	0.151	0.162	0.187	0.191	0.193	0.194		0.165	19.02
43) Heptane				0.419	0.409	0.530	0.562	0.673	0.672	0.654	0.628		0.568	19.00
44) cis-1,3-Dichlo...				0.404	0.364	0.409	0.436	0.540	0.557	0.574	0.579		0.483	18.21
45) 4-Methyl-2-pen...				0.705	0.670	0.788	0.774	0.976	0.901	0.856	0.790		0.808	12.46
46) trans-1,3-Dich...				0.328	0.325	0.381	0.404	0.500	0.536	0.569	0.558		0.450	22.70

Response Factor Report CHEM20

Method Path : H:\AIR2020\CHEM20\METHODS\
 Method File : 20_AIR_0522.M
 Title : VOA Standards for 5 point calibration

47)	1,1,2-Trichlor...	0.319	0.319	0.340	0.337	0.371	0.369	0.363	0.360	0.347	6.11
48)	Toluene	0.684	0.705	0.810	0.870	1.046	1.093	1.098	1.064	0.921	19.01
49)	Dibromochlorom...	0.645	0.661	0.731	0.722	0.825	0.842	0.836	0.817	0.760	10.58
50)	2-Hexanone(MBK)	0.513	0.517	0.631	0.699	0.867	0.887	0.864	0.823	0.725	21.69
51)	1,2-Dibromoeth...	0.480	0.478	0.526	0.535	0.618	0.634	0.645	0.641	0.570	12.75
52)	Tetrachloroethene	0.493	0.509	0.537	0.537	0.600	0.607	0.619	0.600	0.563	8.76

53)	Int Chlorobenzene-d5	-----ISTD-----									
54)	1,1,1,2-Tetrac...	0.871	0.941	0.986	0.970	1.003	0.950	0.842	0.753	0.915	9.34
55)	Chlorobenzene	1.471	1.462	1.565	1.483	1.572	1.500	1.384	1.258	1.462	6.95
56)	Ethylbenzene	1.549	1.545	1.925	2.143	2.587	2.575	2.357	1.887	2.071	20.08
57)	m,p-Xylene	1.241	1.310	1.457	2.035	2.318	2.240	1.918	1.324	1.730	25.74
58)	Bromoform	1.352	1.315	1.353	1.372	1.611	1.587	1.482	1.350	1.428	8.17
59)	Styrene	0.804	0.791	0.969	1.158	1.467	1.501	1.445	1.332	1.183	25.09
60)	1,1,2,2-Tetrac...	1.336	1.292	1.506	1.450	1.580	1.495	1.400	1.262	1.415	7.94
61)	o-Xylene	1.196	1.440	1.875	2.176	2.439	2.392	2.167	1.781	1.933	23.07
62)	Surr% Bromofluorob...	1.427	1.496	1.488	1.519	1.497	1.459	1.362	1.267	1.439	5.96
64)	Isopropylbenzene	2.143	2.345	2.653	2.894	3.214	3.090	2.730	1.984	2.632	16.80
66)	4-Ethyltoluene	1.717	1.982	2.580	3.062	3.469	3.442	3.197	2.125	2.697	25.64
67)	1,3,5-Trimethy...	1.565	2.067	2.568	2.909	3.200	3.111	2.513	1.737	2.459	25.09
68)	1,2,4-Trimethy...	1.458	1.748	2.453	2.872	3.226	3.199	2.776	1.919	2.456	27.55
70)	Benzyl chloride	1.744	1.406	2.002	2.017	2.401	2.565	2.450	1.859	2.056	19.25
71)	1,3-Dichlorobe...	1.661	1.557	1.906	1.903	2.068	2.004	1.814	1.546	1.808	11.02
72)	1,4-Dichlorobe...	1.483	1.347	1.658	1.672	1.873	1.846	1.728	1.485	1.637	11.32
73)	sec-Butylbenzene	1.458	1.748	2.453	2.872	3.226	3.199	2.776	1.919	2.456	27.55
74)	4-Isopropyltol...	1.902	2.400	3.125	3.748	4.168	4.085	3.211	2.209	3.106	27.91
75)	1,2-Dichlorobe...	1.657	1.551	1.800	1.816	1.953	1.913	1.754	1.502	1.743	9.30
76)	n-Butylbenzene	1.767	1.948	2.659	3.187	3.638	3.643	2.905	2.063	2.726	27.33
77)	1,2,4-Trichlor...	1.718	0.860	1.342	1.222	1.409	1.523	1.512	1.333	1.365	18.58
79)	Hexachlorobuta...	1.745	1.804	1.945	2.077	2.052	2.013	1.873	1.606	1.889	8.69

80)	int Bromochloromethane...	-----ISTD-----												
81)	1,2-Dichlorote...	2.967	2.887	2.869	2.788	2.638	2.816	2.821	3.199			3.891	2.986	12.44
82)	Vinyl Chloride...	1.351	1.352	1.251	1.236	1.162	1.237	1.226	1.410			1.532	1.306	8.80
83)	Bromomethane(sim)	1.067	1.334	1.163	1.062	0.979	1.010	0.986	1.078			1.345	1.114	12.55
84)	Trichlorofluor...	3.988	3.862	3.752	3.515	3.518	3.568	3.576	3.877				3.707	5.03
85)	1,2-Dichloroet...	2.146	1.789	1.772	1.820	1.724	1.940	1.861	2.079			2.542	1.964	13.20
86)	1,1,1-Trichlor...	2.934	2.772	2.733	2.610	2.541	2.759	2.647	2.931			3.346	2.808	8.60
87)	Carbon Tetrach...	3.028	2.839	2.757	2.611	2.644	2.825	2.779				3.177	2.833	6.67
88)	1,1-Dichloroet...	2.349	2.613	2.484	2.353	2.173	2.334	2.236	2.498			2.923	2.440	9.26
89)	Trichlorotrifl...	2.537	2.389	2.228	2.161	2.137	2.219	2.186	2.398			2.685	2.327	8.13
90)	Trans-1,2-Dich...	2.068	1.908	1.819	1.824	1.737	1.926	1.847	2.090			2.199	1.935	7.86
91)	1,1-Dichloroet...	2.616	2.222	2.250	2.130	1.919	2.102	1.986	2.235			2.847	2.256	13.18
92)	Cis-1,2-Dichlo...	1.933	1.785	1.643	1.698	1.564	1.715	1.647	1.865			2.059	1.768	8.98
93)	Chloroform(sim)	2.906	2.645	2.614	2.316	2.266	2.396	2.333	2.576			3.362	2.602	13.46

94)	int 1,4-Difluorobenzen...	-----ISTD-----												
95)	1,2-dichloropr...	0.400	0.341	0.308	0.333	0.271	0.303	0.288	0.327			0.452	0.336	17.02
96)	Bromodichlorom...	0.863	0.803	0.760	0.725	0.710	0.753	0.739	0.823			0.955	0.792	9.90
97)	Trichloroethen...	0.396	0.375	0.290	0.303	0.286	0.341	0.341	0.382			0.448	0.351	15.39
98)	1,4-Dioxane(sim)	0.126	0.125	0.120	0.115	0.125	0.151	0.157	0.186				0.138	17.78
99)	cis-1,3-Dichlo...	0.387	0.325	0.364	0.362	0.324	0.369	0.392				0.481	0.375	13.17

Response Factor Report CHEM20

```

Method Path : H:\AIR2020\CHEM20\METHODS\
Method File : 20_AIR_0522.M
Title : VOA Standards for 5 point calibration
100) 1,1,2-Trichlor... 0.367 0.350 0.335 0.325 0.315 0.341 0.330 0.369 0.435 0.352 10.27
101) Dibromochlorom... 0.685 0.658 0.618 0.577 0.589 0.656 0.648 0.747 0.647 8.41
102) 1,2-Dibromoeth... 0.536 0.484 0.489 0.479 0.463 0.516 0.521 0.607 0.605 0.522 10.09
103) Tetrachloroeth... 0.624 0.477 0.491 0.433 0.453 0.482 0.482 0.537 0.541 0.556 0.508 11.18

104) int Chlorobenzene-d5(sim) -----ISTD-----
105) Bromoform(sim) 1.403 1.177 1.195 1.241 1.210 1.235 1.255 1.506 1.278 9.02
106) m,p-Xylene(sim) 1.295 1.211 1.227 1.244 1.396 1.818 2.070 2.357 1.577 28.24
107) 1,1,2,2-Tetrac... 1.371 1.265 1.222 1.226 1.197 1.375 1.327 1.471 1.443 1.322 7.56
110) qfi Benzyl chlorid... 0.024 0.035 0.073 0.219 0.432 1.114 2.492 4.993 0.016 Coef R2 1.00
111) 1,3-Dichlorobe... 1.318 1.171 1.255 1.531 1.443 1.741 1.741 1.926 1.481 1.512 16.56
112) 1,4-Dichlorobe... 1.221 1.070 1.138 1.427 1.346 1.653 1.669 1.899 1.343 1.419 19.28
113) qfi sec-Butylbenze... 0.031 0.034 0.069 0.143 0.418 1.066 2.647 4.945 Coef R2 1.00
114) qfi 4-Isopropyltol... 0.025 0.033 0.068 0.142 0.446 1.047 2.657 4.941 0.016 Coef R2 1.00
115) 1,2-Dichlorobe... 1.364 1.245 1.219 1.527 1.438 1.643 1.661 1.818 1.489 14.22
116) qfi n-Butylbenzene... 0.024 0.034 0.070 0.153 0.425 1.049 2.656 4.943 0.016 Coef R2 1.00
117) 1,2,4-Trichlor... 1.056 0.877 0.708 1.583 0.787 1.226 1.117 1.313 1.083 26.93
119) Hexachlorobuta... 1.969 1.899 1.884 1.602 1.670 1.774 1.899 1.910 2.300 1.879 10.63
-----
(#,$,@)=Out of Range l=linear lf=linear(0,0) q=Quadratic qf=Quadratic(0,0)

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Response Factor Report Chem24

Method Path : H:\AIR2020\CHEM24\METHODS\
 Method File : 24AIR_0528.M
 Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:22:49 2020
 Response Via : Initial Calibration

Calibration Files (Note: Curves (l, lf, g, qf) display calculated conc and corr. coefficient.)
 .035=0528_04.D 0.05=0528_05.D 0.1=0528_06.D 0.2=0528_14.D 0.5=0528_07.D 1.0=0528_13.D 2.5=0528_08.D 5.0=0528_09.D
 10=0528_15.D 25=0528_10.D 40=0528_11.D 0.02=0528_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-----													
2) Propylene				0.812	0.757	0.717	0.681	0.717	0.745	0.713	0.692		0.729	5.68
3) Dichlorodifluo...				2.258	1.988	2.235	1.932	2.482	2.391	2.026	1.688		2.125	12.38
4) Chloromethane				0.950	0.974	0.946	0.939	0.977	1.239	1.145	1.046		1.027	10.72
5) 1,2-Dichlorote...				1.879	1.681	1.882	1.624	2.006	2.022	1.666	1.186		1.743	15.61
6) Vinyl Chloride		1.020		0.996	1.013	1.015	1.025	1.056	1.085	1.015	0.985		1.023	2.97
7) 1,3-Butadiene		0.763		0.684	0.684	0.676	0.690	0.716	0.722	0.685	0.657		0.697	4.50
8) Bromomethane		1.256		1.111	1.086	1.091	1.069	1.133	1.136	1.091	1.037		1.112	5.55
9) Chloroethane		0.492		0.404	0.409	0.388	0.383	0.397	0.400	0.386	0.378		0.404	8.54
10) Ethanol				0.434	0.405	0.342	0.318	0.331	0.321	0.302	0.277		0.341	15.41
12) Acetone				2.495	2.207	2.004	1.599	1.604	1.553	1.859	1.783		1.888	17.58
13) Trichlorofluor...		2.594		2.463	2.563	2.508	2.528	2.631	2.640	2.487	2.314		2.525	3.98
14) Isopropylalcohol				1.907	1.876	1.882	1.864	1.985	1.908	1.831	1.745		1.875	3.68
15) Acrylonitrile				0.623	0.622	0.626	0.634	0.674	0.679	0.689	0.667		0.652	4.31
16) 1,1-Dichloroet...				1.567	1.555	1.468	1.484	1.587	1.555	1.462	1.369		1.506	4.88
17) Methylene Chlo...				1.382	1.306	1.223	1.218	1.268	1.244	1.186	1.137		1.246	6.02
20) Carbon Disulfide					2.908	2.668	2.593	2.731	2.696	2.530	2.336		2.637	6.76
21) Trichlorotrifl...				1.879	1.876	1.863	1.851	1.937	1.935	1.836	1.720		1.862	3.65
22) Trans-1,2-Dich...		1.567		1.584	1.641	1.602	1.620	1.720	1.684	1.648	1.585		1.628	3.10
23) 1,1-Dichloroet...		2.079		1.983	1.965	1.974	1.941	2.039	2.019	2.005	1.953		1.995	2.22
24) Methyl tert-bu...				2.698	2.752	2.703	2.655	2.726	2.716	2.681	2.554		2.686	2.25
25) Methyl Ethyl K...				2.211	2.159	2.270	2.181	2.249	2.246	2.282	2.208		2.226	1.94
26) Cis-1,2-Dichlo...		1.533		1.545	1.553	1.531	1.554	1.631	1.635	1.634	1.588		1.578	2.82
27) Hexane				1.708	2.161	2.129	2.067	2.124	2.085	2.045	1.933		2.032	7.28
28) Chloroform		2.484		2.337	2.372	2.352	2.368	2.510	2.510	2.490	2.412		2.426	2.97
29) Ethyl acetate				2.847	2.422	2.499	2.415	2.477	2.498	2.420	2.304		2.485	6.41
30) Tetrahydrofuran				0.732	0.709	0.675	0.652	0.652	0.641	0.610	0.580		0.656	7.53
31) 1,2-Dichloroet...		1.622		1.516	1.586	1.543	1.548	1.617	1.624	1.635	1.602		1.588	2.68
32) 1,1,1-Trichlor...		2.333		2.189	2.218	2.247	2.247	2.340	2.353	2.305	2.230		2.274	2.64
33) Benzene		3.631		3.366	3.289	3.209	3.210	3.316	3.327	3.290	3.195		3.315	4.00
34) Carbon Tetrach...		2.244		2.251	2.225	2.238	2.237	2.423	2.445	2.461	2.374		2.322	4.36
35) Cyclohexane				1.548	1.619	1.595	1.568	1.624	1.624	1.611	1.576		1.596	1.80
36) Int 1,4-Difluorobenzene	-----ISTD-----													
37) 1,2-dichloropr...				0.389	0.371	0.377	0.377	0.391	0.396	0.392	0.385		0.383	2.41
38) Bromodichlorom...				0.650	0.653	0.657	0.682	0.677	0.732	0.754	0.729		0.698	6.15
39) Trichloroethene				0.422	0.420	0.417	0.415	0.415	0.432	0.443	0.422		0.424	2.28
41) 1,4-Dioxane					0.162	0.177	0.199	0.196	0.216	0.208	0.200		0.196	9.34
43) Heptane		0.624		0.551	0.543	0.531	0.518	0.530	0.530	0.510	0.494		0.537	6.91
44) cis-1,3-Dichlo...		0.500		0.528	0.533	0.551	0.555	0.589	0.618	0.617	0.608		0.567	7.58
45) 4-Methyl-2-pen...		0.717		0.718	0.719	0.733	0.720	0.745	0.753	0.719	0.679		0.722	2.91
46) trans-1,3-Dich...		0.499		0.477	0.470	0.477	0.494	0.520	0.543	0.545	0.535		0.507	5.87

Response Factor Report Chem24

Method Path : H:\AIR2020\CHEM24\METHODS\

Method File : 24AIR_0528.M

Title : VOA Standards for 5 point calibration

47)	1,1,2-Trichlor...	0.399	0.372	0.399	0.394	0.394	0.410	0.422	0.411	0.401	0.400	3.50
48)	Toluene	1.168	1.085	1.107	1.096	1.098	1.138	1.165	1.142	1.088	1.121	2.93
49)	Dibromochlorom...	0.640	0.667	0.673	0.712	0.731	0.787	0.828	0.822	0.787	0.738	9.54
50)	2-Hexanone(MBK)		0.704	0.716	0.728	0.728	0.754	0.756	0.752	0.719	0.732	2.71
51)	1,2-Dibromoeth...	0.678	0.664	0.663	0.681	0.680	0.713	0.734	0.727	0.704	0.694	3.82
52)	Tetrachloroethene	0.537	0.518	0.527	0.521	0.521	0.541	0.557	0.549	0.524	0.533	2.63

53)	Int Chlorobenzene-d5	-----ISTD-----										
54)	1,1,1,2-Tetrac...	0.728	0.754	0.755	0.778	0.782	0.826	0.848	0.825	0.780	0.786	5.01
55)	Chlorobenzene	1.595	1.570	1.580	1.594	1.577	1.633	1.670	1.651	1.606	1.608	2.18
56)	Ethylbenzene	2.699	2.610	2.663	2.618	2.621	2.687	2.707	2.514	2.270	2.599	5.27
57)	m,p-Xylene	2.076	2.089	2.084	1.653	2.030	2.085	2.091	1.993	1.816	1.991	7.76
58)	Bromoform	1.042	1.162	1.172	1.286	1.343	1.430	1.534	1.506	1.382	1.317	12.65
59)	Styrene		1.492	1.488	1.518	1.501	1.539	1.583	1.517	1.387	1.503	3.71
60)	1,1,2,2-Tetrac...	1.638	1.649	1.639	1.661	1.633	1.686	1.727	1.699	1.629	1.662	2.06
61)	o-Xylene		2.127	2.140	2.112	2.126	2.172	2.198	2.202	2.129	2.151	1.64
62)	Surr% Bromofluorob...	1.347	1.351	1.340	1.349	1.346	1.344	1.355	1.369	1.399	1.356	1.36
64)	Isopropylbenzene	2.574	2.590	2.674	2.615	2.587	2.679	2.703	2.681	2.588	2.632	1.93
66)	4-Ethyltoluene	2.766	2.881	2.831	2.813	2.801	2.865	2.879	2.730	2.464	2.781	4.65
67)	1,3,5-Trimethy...	2.445	2.442	2.363	2.408	2.370	2.402	2.452	2.418	2.334	2.404	1.70
68)	1,2,4-Trimethy...	2.309	2.356	2.274	2.297	2.273	2.308	2.344	2.328	2.213	2.300	1.89
70)	Benzyl chloride		1.121	1.166	1.336	1.413	1.489	1.631	1.668	1.578	1.425	14.44
71)	1,3-Dichlorobe...	1.367	1.486	1.434	1.446	1.428	1.401	1.446	1.332	1.195	1.393	6.26
72)	1,4-Dichlorobe...	1.354	1.421	1.368	1.401	1.369	1.370	1.428	1.364	1.289	1.374	3.01
73)	sec-Butylbenzene	2.977	3.017	3.040	3.036	3.020	3.037	3.084	3.018	2.817	3.005	2.53
74)	4-Isopropyltol...	2.217	2.243	2.290	2.281	2.270	2.298	2.335	2.181	1.974	2.232	4.80
75)	1,2-Dichlorobe...	1.080	1.168	1.137	1.135	1.109	1.112	1.136	1.083	0.988	1.105	4.72
76)	n-Butylbenzene	1.951	2.068	2.025	2.036	2.063	2.057	2.069	1.952	1.802	2.003	4.41
77)	1,2,4-Trichlor...		0.789	0.649	0.715	0.690	0.654	0.676	0.587		0.680	9.19
79)	Hexachlorobuta...		0.802	0.717	0.731	0.696	0.669	0.660	0.552	0.463	0.661	16.21

80)	int Bromochloromethane...	-----ISTD-----											
81)	1,2-Dichlorote...	2.169	2.119	2.013	1.908	1.692	1.904	1.637	2.025		2.170	1.960	9.91
82)	Vinyl Chloride...	1.252	1.214	1.150	1.089	1.090	1.084	1.090	1.131			1.138	5.65
83)	Bromomethane(sim)	1.514	1.378	1.267	1.128	1.094	1.104	1.078	1.143		1.813	1.280	19.48
84)	Trichlorofluor...	3.039	2.934	2.769	2.660	2.709	2.654	2.650	2.759		3.304	2.831	7.84
85)	1,1,1-Trichlor...	2.435	2.353	2.354	2.224	2.233	2.273	2.266	2.361		3.003	2.389	10.07
86)	Carbon Tetrach...	2.398	2.346	2.289	2.214	2.242	2.280	2.299	2.473		2.261	2.311	3.53
87)	1,1-Dichloroet...	1.662	1.693	1.699	1.591	1.566	1.485	1.496	1.601		1.765	1.618	5.87
88)	Trichlorotrifl...	2.286	2.233	2.110	1.989	2.016	1.990	1.975	2.052		2.411	2.118	7.38
89)	Trans-1,2-Dich...	1.707	1.692	1.581	1.609	1.653	1.621	1.634	1.736		2.182	1.713	10.67
90)	1,1-Dichloroet...	2.292	2.263	2.144	2.069	2.076	2.083	2.049	2.168		2.247	2.155	4.32
91)	Cis-1,2-Dichlo...	1.805	1.583	1.546	1.569	1.564	1.548	1.567	1.646		1.867	1.633	7.34
92)	Chloroform(sim)	2.739	2.678	2.576	2.462	2.493	2.470	2.468	2.612		2.624	2.569	3.96
93)	1,2-Dichloroet...	1.569	1.559	1.636	1.540	1.597	1.561	1.561	1.632		1.743	1.600	3.95

94)	int 1,4-Difluorobenzen...	-----ISTD-----													
95)	1,2-dichloropr...	0.360	0.380	0.361	0.346	0.351	0.352	0.347	0.366				0.419	0.365	6.32
96)	Bromodichlorom...	0.655	0.645	0.642	0.632	0.637	0.654	0.661	0.707				0.605	0.649	4.22
97)	Trichloroethen...	0.395	0.397	0.392	0.391	0.388	0.388	0.388	0.403				0.487	0.403	7.89
98)	1,4-Dioxane(sim)	0.228	0.231	0.205	0.218	0.195	0.211	0.199	0.215					0.213	6.09
99)	cis-1,3-Dichlo...	0.475	0.478	0.465	0.492	0.496	0.515	0.518					0.506	0.493	3.91

Response Factor Report Chem24

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Method Path : H:\AIR2020\CHEM24\METHODS\
Method File : 24AIR_0528.M
Title      : VOA Standards for 5 point calibration
100) 1,1,2-Trichlor... 0.412 0.391 0.394 0.387 0.383 0.383 0.382 0.398 0.403 0.393 2.63
101) Dibromochlorom... 0.578 0.548 0.595 0.621 0.626 0.665 0.682 0.734 0.601 0.628 9.14
102) 1,2-Dibromoeth... 0.658 0.632 0.648 0.642 0.645 0.654 0.656 0.685 0.611 0.648 3.11
103) Tetrachloroeth... 0.523 0.491 0.499 0.482 0.490 0.486 0.487 0.505 0.473 0.495 3.23

104) int Chlorobenzene-d5(sim) -----ISTD-----
105) Bromoform(sim) 0.812 0.987 0.990 1.092 1.112 1.222 1.272 1.361 1.042 1.099 15.23
106) 1,1,1,2-Tetrac... 0.731 0.690 0.717 0.739 0.744 0.761 0.767 0.809 0.692 0.739 5.07
107) m,p-Xylene(sim) 2.219 1.997 1.973 1.984 1.984 1.963 1.923 1.985 2.004 4.48
108) 1,1,2,2-Tetrac... 1.681 1.518 1.589 1.603 1.598 1.626 1.600 1.650 1.932 1.644 7.11
111) Benzyl chlorid... 1.100 0.951 0.969 1.065 1.110 1.269 1.338 1.416 1.200 1.158 13.87
112) 1,3-Dichlorobe... 1.568 1.445 1.437 1.506 1.472 1.491 1.447 1.435 1.475 3.10
113) 1,4-Dichlorobe... 1.283 1.296 1.287 1.350 1.302 1.331 1.297 1.303 1.306 1.74
114) sec-Butylbenze... 2.959 3.026 3.063 3.061 3.028 3.081 3.036 1.44
115) 4-Isopropyltol... 2.209 2.107 2.131 2.180 2.168 2.150 2.187 2.162 1.61
116) 1,2-Dichlorobe... 1.265 1.169 1.138 1.210 1.164 1.167 1.133 1.144 1.545 1.215 10.73
117) n-Butylbenzene... 2.181 1.900 1.855 1.964 1.927 1.934 1.954 1.957 1.959 4.93
118) 1,2,4-Trichlor... 0.843 0.749 0.688 0.842 0.689 0.756 0.716 0.682 1.080 0.783 16.26
119) Hexachlorobuta... 0.746 0.799 0.731 0.752 0.683 0.695 0.659 0.637 1.156 0.762 20.51

( #, $, @ ) = Out of Range l = linear lf = linear(0,0) q = Quadratic qf = Quadratic(0,0)

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6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM20
Heated Purge (Y/N): Y
GC Column: _____

Client: KLEINFL-AIR
SDG No.: GCG03886
Calibration Date From: 05/22/20 15:27
Calibration Date Thru: 05/22/20 20:23
Method File: 20_AIR_0522.M

Laboratory File Ids

RRF1	0522_03.D	RRF2	0522_04.D	RRF3	0522_05.D	RRF4	0522_06.D	RRF5	0522_14.D	RRF6	0522_07.D				
RRF7	0522_13.D	RRF8	0522_08.D	RRF9	0522_09.D	RRF10	0522_15.D	RRF11	0522_10.D	RRF12	0522_11.D				
COMPOUND	RRF1 0.02	RRF2 0.035	RRF3 0.05	RRF4 0.1	RRF5 0.2	RRF6 0.5	RRF7 1	RRF8 2.5	RRF9 5	RRF10 10	RRF11 25	RRF12 40	— RRF	% RSD	
Propylene					0.827	0.778	0.826	0.818	0.940	0.886	0.944	0.944	0.870	7.64	
Dichlorodifluoromethane					3.218	3.116	3.307	3.452	3.890	3.599	3.644	3.461	3.461	7.23	
Chloromethane					1.121	0.871	1.029	1.002	1.142	1.047	1.106	1.116	1.054	8.46	
1,2-Dichlorotetrafluoroethane					2.845	2.678	2.982	2.950	3.355	3.097	3.151	3.177	3.029	6.98	
Vinyl Chloride					1.258	1.105	1.136	1.157	1.306	1.206	1.280	1.330	1.222	6.85	
1,3-Butadiene					0.992	0.792	0.892	0.799	0.982	0.877	0.946	0.975	0.907	8.83	
Bromomethane					1.084	0.994	1.068	1.031	1.128	1.053	1.092	1.141	1.074	4.54	
Chloroethane					0.531	0.488	0.509	0.483	0.562	0.505	0.534	0.564	0.522	5.92	
Ethanol						0.360	0.398	0.369	0.400	0.383	0.402	0.425	0.391	5.63	
Acetone					1.825	1.680	1.894	1.836	1.928	1.819	1.861	1.944	1.848	4.46	
Trichlorofluoromethane					3.230	3.390	3.609	3.588	3.852	3.751	3.552	3.491	3.558	5.50	
Isopropylalcohol					2.031	1.704	2.143	2.033	2.149	2.028	2.098	2.173	2.045	7.32	
Acrylonitrile					0.823	0.611	0.733	0.686	0.814	0.787	0.798	0.852	0.763	10.60	
1,1-Dichloroethene					2.073	2.251	2.441	2.366	2.579	2.477	2.509	2.557	2.407	7.13	
Methylene Chloride					1.459	1.207	1.306	1.177	1.336	1.265	1.255	1.299	1.288	6.71	
Carbon Disulfide					2.535	2.391	2.669	2.550	2.875	2.777	2.845	2.941	2.698	7.17	
Trichlorotrifluoroethane					2.205	2.170	2.347	2.287	2.508	2.393	2.335	2.373	2.327	4.62	
Trans-1,2-Dichloroethene					1.743	1.625	1.829	1.724	1.966	1.880	1.887	1.935	1.824	6.41	
1,1-Dichloroethane					2.173	1.948	2.223	2.074	2.330	2.206	2.212	2.245	2.176	5.35	
Methyl tert-butyl ether(MTBE)					3.059	2.631	2.866	2.794	3.133	3.040	3.075	3.133	2.966	6.16	
Methyl Ethyl Ketone					1.883	1.650	2.019	1.847	2.144	2.013	2.063	2.125	1.968	8.42	
Cis-1,2-Dichloroethene						1.713	1.976	1.755	2.015	1.848	1.918	1.807	1.862	6.05	
Hexane					1.488	1.392	1.581	1.491	1.711	1.651	1.694	1.701	1.589	7.55	
Chloroform					2.364	2.301	2.534	2.431	2.696	2.547	2.469	2.434	2.472	4.93	
Ethyl acetate					0.430	0.385	0.432	0.370	0.423	0.404	0.402	0.412	0.407	5.32	

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

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM20
Heated Purge (Y/N): Y
GC Column: _____

Client: KLEINFL-AIR
SDG No.: GCG03886
Calibration Date From: 05/22/20 15:27
Calibration Date Thru: 05/22/20 20:23
Method File: 20_AIR_0522.M

Laboratory File Ids

RRF1	<u>0522_03.D</u>	RRF2	<u>0522_04.D</u>	RRF3	<u>0522_05.D</u>	RRF4	<u>0522_06.D</u>	RRF5	<u>0522_14.D</u>	RRF6	<u>0522_07.D</u>				
RRF7	<u>0522_13.D</u>	RRF8	<u>0522_08.D</u>	RRF9	<u>0522_09.D</u>	RRF10	<u>0522_15.D</u>	RRF11	<u>0522_10.D</u>	RRF12	<u>0522_11.D</u>				
COMPOUND	RRF1 0.02	RRF2 0.035	RRF3 0.05	RRF4 0.1	RRF5 0.2	RRF6 0.5	RRF7 1	RRF8 2.5	RRF9 5	RRF10 10	RRF11 25	RRF12 40	— RRF	% RSD	
Tetrahydrofuran					0.792	0.661	0.912	0.830	1.023	1.028	1.075	1.102	0.928	16.82	
1,2-Dichloroethane					1.857	1.750	2.052	1.945	2.174	2.128	2.124	2.138	2.021	7.62	
1,1,1-Trichloroethane					2.524	2.260	2.628	2.551	2.804	2.708	2.667	2.683	2.603	6.31	
Benzene					1.900	1.684	2.292	2.079	2.470	2.426	2.538	2.643	2.254	14.91	
Carbon Tetrachloride					2.683	2.696	2.988	2.907	3.214	3.144	3.082	3.050	2.971	6.62	
Cyclohexane						1.060	0.920	0.762	0.920	0.925	0.972	1.008	0.938	10.01	
1,2-dichloropropane					0.372	0.304	0.338	0.321	0.366	0.367	0.368	0.371	0.351	7.51	
Bromodichloromethane					0.772	0.733	0.751	0.773	0.857	0.848	0.827	0.796	0.795	5.72	
Trichloroethene					0.339	0.325	0.381	0.380	0.427	0.415	0.416	0.412	0.387	9.80	
1,4-Dioxane					0.120	0.121	0.151	0.162	0.187	0.191	0.193	0.194	0.165	19.02	
Heptane					0.419	0.409	0.530	0.562	0.673	0.672	0.654	0.628	0.568	19.00	
cis-1,3-Dichloropropene					0.404	0.364	0.409	0.436	0.540	0.557	0.574	0.579	0.483	18.21	
4-Methyl-2-pentanone(MIBK)					0.705	0.670	0.788	0.774	0.976	0.901	0.856	0.790	0.808	12.46	
trans-1,3-Dichloropropene					0.328	0.325	0.381	0.404	0.500	0.536	0.569	0.558	0.450	22.70	
1,1,2-Trichloroethane					0.319	0.319	0.340	0.337	0.371	0.369	0.363	0.360	0.347	6.11	
Toluene					0.684	0.705	0.810	0.870	1.046	1.093	1.098	1.064	0.921	19.01	
Dibromochloromethane					0.645	0.661	0.731	0.722	0.825	0.842	0.836	0.817	0.760	10.58	
2-Hexanone(MBK)					0.513	0.517	0.631	0.699	0.867	0.887	0.864	0.823	0.725	21.69	
1,2-Dibromoethane(EDB)					0.480	0.478	0.526	0.535	0.618	0.634	0.645	0.641	0.570	12.75	
Tetrachloroethene					0.493	0.509	0.537	0.537	0.600	0.607	0.619	0.600	0.563	8.76	
1,1,1,2-Tetrachloroethane					0.871	0.941	0.986	0.970	1.003	0.950	0.842	0.753	0.915	9.34	
Chlorobenzene					1.471	1.462	1.565	1.483	1.572	1.500	1.384	1.258	1.462	6.95	
Ethylbenzene					1.549	1.545	1.925	2.143	2.587	2.575	2.357	1.887	2.071	20.08	
m,p-Xylene					1.241	1.310	1.457	2.035	2.318	2.240	1.918	1.324	1.730	25.74	
Bromoform					1.352	1.315	1.353	1.372	1.611	1.587	1.482	1.350	1.428	8.17	

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM20
Heated Purge (Y/N): Y
GC Column: _____

Client: KLEINFL-AIR
SDG No.: GCG03886
Calibration Date From: 05/22/20 15:27
Calibration Date Thru: 05/22/20 20:23
Method File: 20_AIR_0522.M

Laboratory File Ids

RRF1	0522_03.D	RRF2	0522_04.D	RRF3	0522_05.D	RRF4	0522_06.D	RRF5	0522_14.D	RRF6	0522_07.D				
RRF7	0522_13.D	RRF8	0522_08.D	RRF9	0522_09.D	RRF10	0522_15.D	RRF11	0522_10.D	RRF12	0522_11.D				
COMPOUND	RRF1 0.02	RRF2 0.035	RRF3 0.05	RRF4 0.1	RRF5 0.2	RRF6 0.5	RRF7 1	RRF8 2.5	RRF9 5	RRF10 10	RRF11 25	RRF12 40	— RRF	% RSD	
Styrene					0.804	0.791	0.969	1.158	1.467	1.501	1.445	1.332	1.183	25.09	
1,1,2,2-Tetrachloroethane					1.336	1.292	1.506	1.450	1.580	1.495	1.400	1.262	1.415	7.94	
o-Xylene					1.196	1.440	1.875	2.176	2.439	2.392	2.167	1.781	1.933	23.07	
Isopropylbenzene					2.143	2.345	2.653	2.894	3.214	3.090	2.730	1.984	2.632	16.80	
4-Ethyltoluene					1.717	1.982	2.580	3.062	3.469	3.442	3.197	2.125	2.697	25.64	
1,3,5-Trimethylbenzene					1.565	2.067	2.568	2.909	3.200	3.111	2.513	1.737	2.459	25.09	
1,2,4-Trimethylbenzene					1.458	1.748	2.453	2.872	3.226	3.199	2.776	1.919	2.456	27.55	
Benzyl chloride					1.744	1.406	2.002	2.017	2.401	2.565	2.450	1.859	2.056	19.25	
1,3-Dichlorobenzene					1.661	1.557	1.906	1.903	2.068	2.004	1.814	1.546	1.808	11.02	
1,4-Dichlorobenzene					1.483	1.347	1.658	1.672	1.873	1.846	1.728	1.485	1.637	11.32	
sec-Butylbenzene					1.458	1.748	2.453	2.872	3.226	3.199	2.776	1.919	2.456	27.55	
4-Isopropyltoluene					1.902	2.400	3.125	3.748	4.168	4.085	3.211	2.209	3.106	27.91	
1,2-Dichlorobenzene					1.657	1.551	1.800	1.816	1.953	1.913	1.754	1.502	1.743	9.30	
n-Butylbenzene					1.767	1.948	2.659	3.187	3.638	3.643	2.905	2.063	2.726	27.33	
1,2,4-Trichlorobenzene					1.718	0.860	1.342	1.222	1.409	1.523	1.512	1.333	1.365	18.58	
Hexachlorobutadiene					1.745	1.804	1.945	2.077	2.052	2.013	1.873	1.606	1.889	8.69	
1,2-Dichlorotetrafluoroethane(sim)	3.891	2.967	2.887	2.869	2.788	2.638	2.816	2.821	3.199				2.986	12.44	
Vinyl Chloride(sim)	1.532	1.351	1.352	1.251	1.236	1.162	1.237	1.226	1.410				1.306	8.80	
Bromomethane(sim)	1.345	1.067	1.334	1.163	1.062	0.979	1.010	0.986	1.078				1.114	12.55	
Trichlorofluoromethane(sim)		3.988	3.862	3.752	3.515	3.518	3.568	3.576	3.877				3.707	5.03	
1,2-Dichloroethane(sim)	2.542	2.146	1.789	1.772	1.820	1.724	1.940	1.861	2.079				1.964	13.20	
1,1,1-Trichloroethane(sim)	3.346	2.934	2.772	2.733	2.610	2.541	2.759	2.647	2.931				2.808	8.60	
Carbon Tetrachloride(sim)	3.177	3.028	2.839	2.757	2.611	2.644	2.825	2.779					2.833	6.67	
1,1-Dichloroethene(sim)	2.923	2.349	2.613	2.484	2.353	2.173	2.334	2.236	2.498				2.440	9.26	
Trichlorotrifluoroethane(sim)	2.685	2.537	2.389	2.228	2.161	2.137	2.219	2.186	2.398				2.327	8.13	

(#) 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, fi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM20
Heated Purge (Y/N): Y
GC Column: _____

Client: KLEINFL-AIR
SDG No.: GCG03886
Calibration Date From: 05/22/20 15:27
Calibration Date Thru: 05/22/20 20:23
Method File: 20_AIR_0522.M

Laboratory File Ids

RRF1	0522	03.D	RRF2	0522	04.D	RRF3	0522	05.D	RRF4	0522	06.D	RRF5	0522	14.D	RRF6	0522	07.D									
RRF7	0522	13.D	RRF8	0522	08.D	RRF9	0522	09.D	RRF10	0522	15.D	RRF11	0522	10.D	RRF12	0522	11.D									
COMPOUND	RRF1		RRF2		RRF3		RRF4		RRF5		RRF6		RRF7		RRF8		RRF9		RRF10		RRF11		RRF12		—	%
	0.02		0.035		0.05		0.1		0.2		0.5		1		2.5		5		10		25		40		RRF	RSD
Trans-1,2-Dichloroethene(sim)	2.199		2.068		1.908		1.819		1.824		1.737		1.926		1.847		2.090								1.935	7.86
1,1-Dichloroethane(sim)	2.847		2.616		2.222		2.250		2.130		1.919		2.102		1.986		2.235								2.256	13.18
Cis-1,2-Dichloroethene(sim)	2.059		1.933		1.785		1.643		1.698		1.564		1.715		1.647		1.865								1.768	8.98
Chloroform(sim)	3.362		2.906		2.645		2.614		2.316		2.266		2.396		2.333		2.576								2.602	13.46
1,2-dichloropropane(sim)	0.452		0.400		0.341		0.308		0.333		0.271		0.303		0.288		0.327								0.336	17.02
Bromodichloromethane(sim)	0.955		0.863		0.803		0.760		0.725		0.710		0.753		0.739		0.823								0.792	9.90
Trichloroethene(sim)	0.448		0.396		0.375		0.290		0.303		0.286		0.341		0.341		0.382								0.351	15.39
1,4-Dioxane(sim)			0.126		0.125		0.120		0.115		0.125		0.151		0.157		0.186								0.138	17.78
cis-1,3-Dichloropropene(sim)	0.481		0.387		0.325		0.364		0.362		0.324		0.369		0.392										0.375	13.17
1,1,2-Trichloroethane(sim)	0.435		0.367		0.350		0.335		0.325		0.315		0.341		0.330		0.369								0.352	10.27
Dibromochloromethane(sim)	0.747		0.685		0.658		0.618		0.577		0.589		0.656		0.648										0.647	8.41
1,2-Dibromoethane(EDB)(sim)	0.605		0.536		0.484		0.489		0.479		0.463		0.516		0.521		0.607								0.522	10.09
Tetrachloroethene(sim)	0.556		0.624		0.477		0.491		0.433		0.453		0.482		0.482		0.537		0.541						0.508	11.18
Bromoform(sim)	1.506		1.403		1.177		1.195		1.241		1.210		1.235		1.255										1.278	9.02
m,p-Xylene(sim)			1.295		1.211		1.227		1.244		1.396		1.818		2.070		2.357								1.577	28.24
1,1,2,2-Tetrachloroethane(sim)	1.443		1.371		1.265		1.222		1.226		1.197		1.375		1.327		1.471								1.322	7.56
Benzyl chloride(sim)	qfi	0.016	0.024	0.035	0.073	0.219	0.432	1.114	2.492	4.993														Coef R2	1.00	
1,3-Dichlorobenzene(sim)		1.481	1.318	1.171	1.255	1.531	1.443	1.741	1.741	1.926														1.512	16.56	
1,4-Dichlorobenzene(sim)		1.343	1.221	1.070	1.138	1.427	1.346	1.653	1.669	1.899														1.419	19.28	
sec-Butylbenzene(sim)	qfi		0.031	0.034	0.069	0.143	0.418	1.066	2.647	4.945														Coef R2	1.00	
4-Isopropyltoluene(sim)	qfi	0.016	0.025	0.033	0.068	0.142	0.446	1.047	2.657	4.941														Coef R2	1.00	
1,2-Dichlorobenzene(sim)			1.364	1.245	1.219	1.527	1.438	1.643	1.661	1.818														1.489	14.22	
n-Butylbenzene(sim)	qfi	0.016	0.024	0.034	0.070	0.153	0.425	1.049	2.656	4.943														Coef R2	1.00	
1,2,4-Trichlorobenzene(sim)			1.056	0.877	0.708	1.583	0.787	1.226	1.117	1.313														1.083	26.93	
Hexachlorobutadiene(sim)		2.300	1.969	1.899	1.884	1.602	1.670	1.774	1.899	1.910														1.879	10.63	

(#) 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, lii, li2, fi, fi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

Phoenix Environmental Laboratories, Inc.

6B

Client: KLEINFL-AIR

SDG No.: GCG03886

Calibration Date From: 05/22/20 15:27

Calibration Date Thru: 05/22/20 20:23

Method File: 20 AIR 0522.M

RRF1	0522_03.D	RRF2	0522_04.D	RRF3	0522_05.D	RRF4	0522_06.D	RRF5	0522_14.D	RRF6	0522_07.D
RRF7	0522_13.D	RRF8	0522_08.D	RRF9	0522_09.D	RRF10	0522_15.D	RRF11	0522_10.D	RRF12	0522_11.D

[illegible]

(#) 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.

Page 578 of 810

FORM VI AIR

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_03.D
 Acq On : 22 May 2020 1:01 pm
 Operator :
 Client ID : ICAL 0.02
 Lab ID : 0.02
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 27 10:36:33 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:35:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	729191	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.976	114	2171534	10.000	ng	0.00
53) Chlorobenzene-d5	10.518	82	1209707	10.000	ng	0.00
80) Bromochloromethane(sim)	6.775	130	759321	10.000	ng	# 0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2407431	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1304171	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 11.369 95 1697283 9.748 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 97.50%

Target Compounds

					Qvalue	
2) Propylene	3.382	41	1885	0.030	ppbv#	1
3) Dichlorodifluoromethane	3.447	85	6029	0.024	ppbv	97
4) Chloromethane	3.597	50	3268	0.043	ppbv#	49
5) 1,2-Dichlorotetrafluor...	3.673	85	5913	0.027	ppbv	96
6) Vinyl Chloride	3.781	62	2647	0.030	ppbv#	44
7) 1,3-Butadiene	3.888	54	2714	0.041	ppbv#	20
8) Bromomethane	4.115	94	2405	0.031	ppbv#	78
9) Chloroethane	4.244	64	1970	0.052	ppbv	81
11) Ethanol	4.406	45	3078	0.108	ppbv#	88
12) Acetone	4.772	43	6972	0.052	ppbv	96
13) Trichlorofluoromethane	4.815	101	6487	0.025	ppbv#	73
14) Isopropylalcohol	4.956	45	5403	0.036	ppbv#	87
15) Acrylonitrile	5.020	53	679	0.012	ppbv#	47
16) 1,1-Dichloroethene	5.266	61	4788	0.027	ppbv#	73
17) Methylene Chloride	5.352	49	5632	0.060	ppbv	97
20) Carbon Disulfide	5.568	76	4906	0.025	ppbv	97
21) Trichlorotrifluoroethane	5.533	101	4078	0.024	ppbv#	81
22) Trans-1,2-Dichloroethene	5.982	61	3404	0.026	ppbv#	77
23) 1,1-Dichloroethane	6.132	63	4363	0.027	ppbv	97
24) Methyl tert-butyl ethe...	6.187	73	5934	0.027	ppbv#	87
25) Methyl Ethyl Ketone	6.424	43	5028	0.035	ppbv#	86
26) Cis-1,2-Dichloroethene	6.665	61	3655	0.027	ppbv#	56
27) Hexane	6.780	57	3237	0.028	ppbv#	88
28) Chloroform	6.853	83	5367	0.030	ppbv#	83
29) Ethyl acetate	6.821	61	941	0.032	ppbv#	89
30) Tetrahydrofuran	7.165	42	2214	0.033	ppbv#	77
31) 1,2-Dichloroethane	7.321	62	3860	0.026	ppbv#	76
32) 1,1,1-Trichloroethane	7.488	97	4346	0.023	ppbv	94
33) Benzene	7.776	78	3834	0.023	ppbv#	77
34) Carbon Tetrachloride	7.865	117	4825	0.022	ppbv	93
35) Cyclohexane	7.976	84	20984	0.307	ppbv#	69
37) 1,2-dichloropropane	8.288	63	3148	0.041	ppbv#	73
38) Bromodichloromethane	8.399	83	4161	0.024	ppbv	94
39) Trichloroethene	8.422	130	1858	0.022	ppbv	96
41) 1,4-Dioxane	8.455	88	854	0.024	ppbv#	81
43) Heptane	8.578	43	2335	0.019	ppbv#	91
44) cis-1,3-Dichloropropene	8.934	75	2877	0.027	ppbv	71
45) 4-Methyl-2-pentanone(M...	8.956	43	2780	0.016	ppbv#	89
46) trans-1,3-Dichloropropene	9.238	75	2331	0.024	ppbv#	92
47) 1,1,2-Trichloroethane	9.345	97	1774	0.024	ppbv#	80
48) Toluene	9.510	91	3761	0.019	ppbv#	91
49) Dibromochloromethane	9.772	129	3752	0.023	ppbv	94
50) 2-Hexanone(MBK)	9.646	43	2889	0.018	ppbv#	95
51) 1,2-Dibromoethane(EDB)	9.908	107	2511	0.020	ppbv	95

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_03.D
 Acq On : 22 May 2020 1:01 pm
 Operator :
 Client ID : ICAL 0.02
 Lab ID : 0.02
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 27 10:36:33 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:35:35 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	10.160	166	2678	0.022	ppbv#	86
54)	1,1,1,2-Tetrachloroethane	10.538	131	3590	0.032	ppbv#	84
55)	Chlorobenzene	10.549	112	5518	0.031	ppbv#	1
56)	Ethylbenzene	10.743	91	5178	0.021	ppbv	97
57)	m,p-Xylene	10.846	91	6658	0.032	ppbv#	83
58)	Bromoform	10.918	173	4069	0.024	ppbv	97
59)	Styrene	11.051	104	2117	0.015	ppbv#	84
60)	1,1,2,2-Tetrachloroethane	11.112	83	3764	0.022	ppbv	93
61)	o-Xylene	11.112	91	3350	0.014	ppbv#	85
64)	Isopropylbenzene	11.440	105	7607	0.024	ppbv	99
66)	4-Ethyltoluene	11.820	105	5384	0.017	ppbv#	92
67)	1,3,5-Trimethylbenzene	11.861	105	4599	0.015	ppbv#	91
68)	1,2,4-Trimethylbenzene	12.107	105	4905	0.017	ppbv	89
70)	Benzyl chloride	12.200	91	3581	0.014	ppbv#	91
71)	1,3-Dichlorobenzene	12.220	146	3864	0.018	ppbv	93
72)	1,4-Dichlorobenzene	12.261	146	3200	0.016	ppbv#	75
73)	sec-Butylbenzene	12.107	105	4905	0.017	ppbv	93
74)	4-Isopropyltoluene	12.364	119	5180	0.014	ppbv#	95
75)	1,2-Dichlorobenzene	12.477	146	3634	0.017	ppbv#	50
76)	n-Butylbenzene	12.631	91	3892	0.012	ppbv#	89
77)	1,2,4-Trichlorobenzene	13.626	180	3245	0.020	ppbv	94
79)	Hexachlorobutadiene	13.954	225	6116	0.027	ppbv	84
81)	1,2-Dichlorotetrafluor...	3.678	85	5909m	0.026	ppbv	97
82)	Vinyl Chloride(sim)	3.776	62	2327	0.023	ppbv	98
83)	Bromomethane(sim)	4.120	94	2043m	0.024	ppbv	76
84)	Trichlorofluoromethane...	4.821	101	6781	0.024	ppbv#	96
85)	1,2-Dichloroethane(sim)	7.321	62	3860	0.026	ppbv#	76
86)	1,1,1-Trichloroethane(...)	7.483	97	5081	0.024	ppbv#	98
87)	Carbon Tetrachloride(sim)	7.865	117	4825	0.022	ppbv	98
88)	1,1-Dichloroethene(sim)	5.272	61	4439m	0.024	ppbv	91
89)	Trichlorotrifluoroetha...	5.533	101	4078	0.023	ppbv#	69
90)	Trans-1,2-Dichloroethe...	5.988	61	3340	0.023	ppbv	96
91)	1,1-Dichloroethane(sim)	6.122	63	4324m	0.025	ppbv	97
92)	Cis-1,2-Dichloroethene...	6.660	61	3127	0.023	ppbv	94
93)	Chloroform(sim)	6.858	83	5105m	0.026	ppbv	82
95)	1,2-dichloropropane(sim)	8.283	63	2178m	0.027	ppbv	73
96)	Bromodichloromethane(sim)	8.405	83	4596	0.024	ppbv	96
97)	Trichloroethene(sim)	8.427	130	2156m	0.025	ppbv	94
98)	1,4-Dioxane(sim)	8.461	88	724	0.022	ppbv#	71
99)	cis-1,3-Dichloropropen...	8.940	75	2316m	0.026	ppbv	71
100)	1,1,2-Trichloroethane(...)	9.351	97	2096	0.025	ppbv	95
101)	Dibromochloromethane(sim)	9.772	129	3597	0.023	ppbv	90
102)	1,2-Dibromoethane(EDB)...	9.914	107	2914	0.023	ppbv	96
103)	Tetrachloroethene(sim)	10.160	166	2678	0.022	ppbv	86
105)	Bromoform(sim)	10.918	173	3928	0.024	ppbv	97
106)	m,p-Xylene(sim)	10.841	91	7838	0.038	ppbv	98
107)	1,1,2,2-Tetrachloroeth...	11.112	83	3764	0.022	ppbv#	93
110)	Benzyl chloride(sim)	12.205	91	3347	0.015	ppbv	98
111)	1,3-Dichlorobenzene(sim)	12.220	146	3864	0.020	ppbv	93
112)	1,4-Dichlorobenzene(sim)	12.267	146	3504	0.019	ppbv	97
113)	sec-Butylbenzene(sim)	12.107	105	4905	0.017	ppbv	93
114)	4-Isopropyltoluene(sim)	12.369	119	5637	0.014	ppbv	97
115)	1,2-Dichlorobenzene(sim)	12.477	146	3634	0.019	ppbv#	50
116)	n-Butylbenzene(sim)	12.636	91	4683	0.014	ppbv	99
117)	1,2,4-Trichlorobenzene...	13.626	180	3245	0.023	ppbv	95
119)	Hexachlorobutadiene(sim)	13.954	225	6000	0.024	ppbv#	87

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_03.D
 Acq On : 22 May 2020 1:01 pm
 Operator :
 Client ID : ICAL 0.02
 Lab ID : 0.02
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 27 10:36:33 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:35:35 2020
 Response via : Initial Calibration

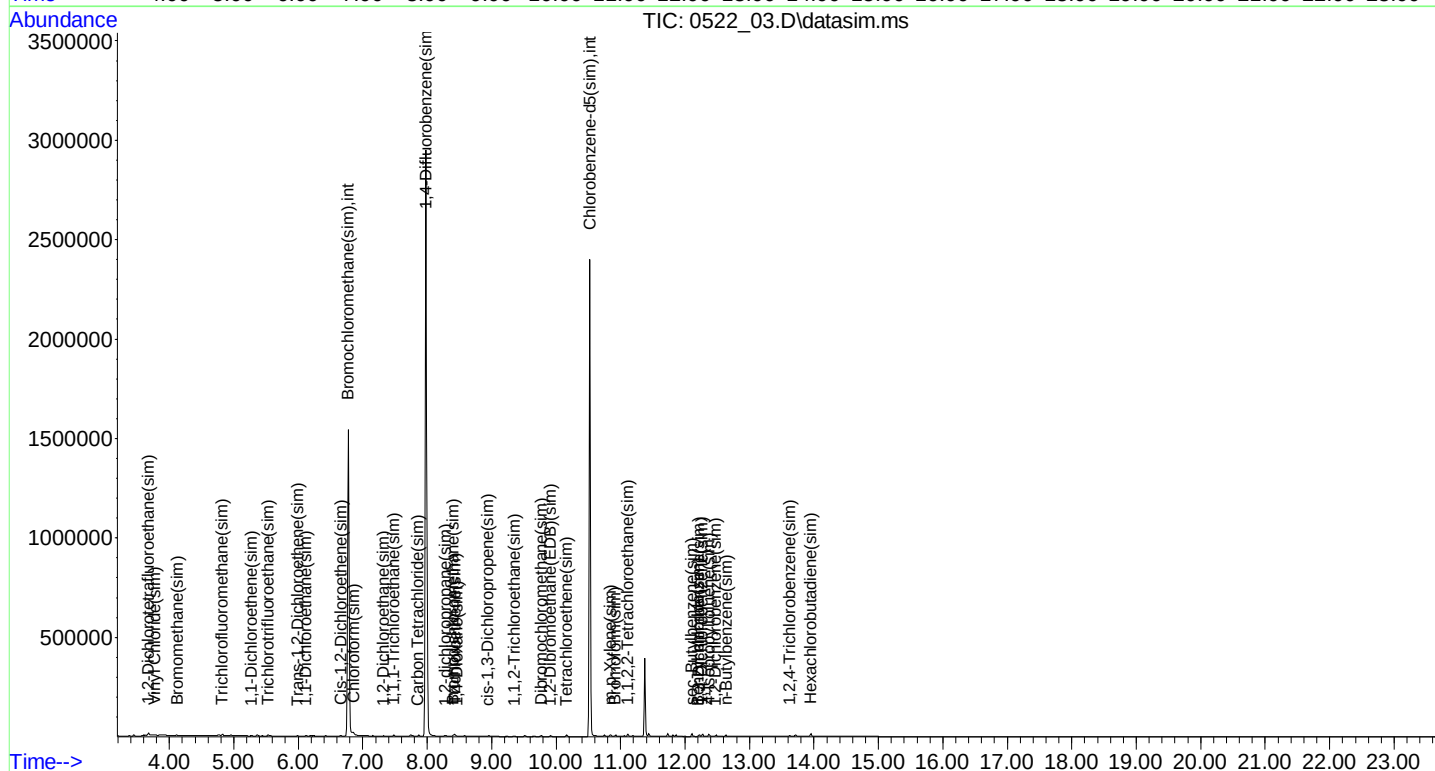
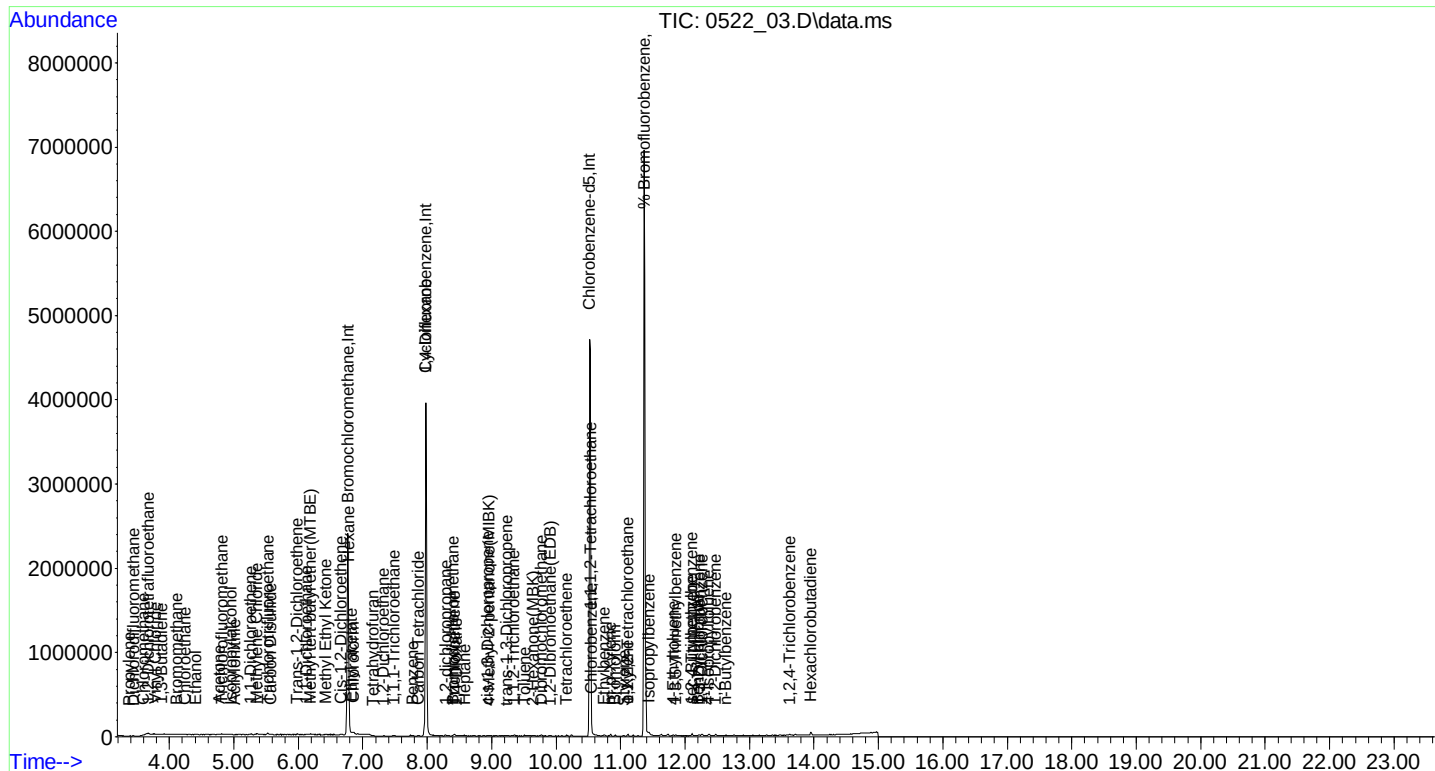
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_03.D
 Acq On : 22 May 2020 1:01 pm
 Operator :
 Client ID : ICAL 0.02
 Lab ID : 0.02
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 27 10:36:33 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:35:35 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_04.D
 Acq On : 22 May 2020 1:37 pm
 Operator :
 Client ID : ICAL 0.035
 Lab ID : 0.035
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 27 10:37:48 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:36:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.772	130	709295	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.979	114	2113041	10.000	ng	0.00
53) Chlorobenzene-d5	10.521	82	1189757	10.000	ng	0.00
80) Bromochloromethane(sim)	6.778	130	755479	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.985	114	2367661	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.527	82	1286554	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.372	95	1672272	9.766	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.70%

Target Compounds						Qvalue
2) Propylene	3.382	41	3757	0.061	ppbv#	37
3) Dichlorodifluoromethane	3.447	85	9502	0.039	ppbv#	92
4) Chloromethane	3.587	50	3852	0.052	ppbv#	62
5) 1,2-Dichlorotetrafluor...	3.673	85	7846	0.037	ppbv	91
6) Vinyl Chloride	3.770	62	4273	0.049	ppbv	83
7) 1,3-Butadiene	3.889	54	3322	0.052	ppbv#	46
8) Bromomethane	4.104	94	3833	0.050	ppbv	90
9) Chloroethane	4.244	64	2191	0.059	ppbv	89
11) Ethanol	4.406	45	1613	0.058	ppbv#	72
12) Acetone	4.762	43	11022	0.084	ppbv	92
13) Trichlorofluoromethane	4.816	101	10560	0.042	ppbv#	85
14) Isopropylalcohol	4.945	45	5316	0.037	ppbv#	54
15) Acrylonitrile	4.977	53	892	0.016	ppbv#	47
16) 1,1-Dichloroethene	5.275	61	8006	0.047	ppbv#	72
17) Methylene Chloride	5.352	49	6844	0.075	ppbv	94
20) Carbon Disulfide	5.559	76	7133	0.037	ppbv#	71
21) Trichlorotrifluoroethane	5.525	101	6709	0.041	ppbv#	84
22) Trans-1,2-Dichloroethene	5.983	61	5145	0.040	ppbv#	82
23) 1,1-Dichloroethane	6.117	63	7071	0.046	ppbv	88
24) Methyl tert-butyl ethe...	6.188	73	8780	0.042	ppbv	90
25) Methyl Ethyl Ketone	6.416	43	7720	0.055	ppbv#	96
26) Cis-1,2-Dichloroethene	6.657	61	4965	0.038	ppbv#	77
27) Hexane	6.772	57	4239	0.038	ppbv#	50
28) Chloroform	6.855	83	7804	0.045	ppbv	87
29) Ethyl acetate	6.814	61	1198	0.041	ppbv#	79
30) Tetrahydrofuran	7.157	42	1934	0.029	ppbv#	72
31) 1,2-Dichloroethane	7.324	62	5675	0.040	ppbv#	93
32) 1,1,1-Trichloroethane	7.480	97	7018	0.038	ppbv	89
33) Benzene	7.779	78	5460	0.034	ppbv#	85
34) Carbon Tetrachloride	7.868	117	8006	0.038	ppbv	91
35) Cyclohexane	7.979	84	25516	0.384	ppbv	86
37) 1,2-dichloropropane	8.291	63	3242	0.044	ppbv#	89
38) Bromodichloromethane	8.402	83	7084	0.042	ppbv	83
39) Trichloroethene	8.424	130	3281	0.040	ppbv	94
41) 1,4-Dioxane	8.458	88	947	0.027	ppbv#	71
43) Heptane	8.569	43	3271	0.027	ppbv#	80
44) cis-1,3-Dichloropropene	8.926	75	3205	0.031	ppbv	93
45) 4-Methyl-2-pentanone(M...	8.959	43	5157	0.030	ppbv	99
46) trans-1,3-Dichloropropene	9.241	75	3381	0.036	ppbv#	81
47) 1,1,2-Trichloroethane	9.348	97	3047	0.042	ppbv	86
48) Toluene	9.513	91	6032	0.031	ppbv#	89
49) Dibromochloromethane	9.765	129	5676	0.035	ppbv#	96
50) 2-Hexanone(MBK)	9.649	43	3940	0.026	ppbv#	95
51) 1,2-Dibromoethane(EDB)	9.911	107	4147	0.034	ppbv	92

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_04.D
 Acq On : 22 May 2020 1:37 pm
 Operator :
 Client ID : ICAL 0.035
 Lab ID : 0.035
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 27 10:37:48 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:36:59 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	10.163	166	4963	0.042	ppbv#	81
54)	1,1,1,2-Tetrachloroethane	10.531	131	5168	0.047	ppbv	88
55)	Chlorobenzene	10.552	112	7441	0.043	ppbv#	59
56)	Ethylbenzene	10.747	91	7117	0.029	ppbv	85
57)	m,p-Xylene	10.839	91	11326	0.055	ppbv#	77
58)	Bromoform	10.921	173	6316	0.037	ppbv#	92
59)	Styrene	11.054	104	3427	0.024	ppbv	87
60)	1,1,2,2-Tetrachloroethane	11.116	83	6173	0.037	ppbv	95
61)	o-Xylene	11.116	91	5336	0.023	ppbv#	85
64)	Isopropylbenzene	11.444	105	10553	0.034	ppbv#	92
66)	4-Ethyltoluene	11.813	105	7131	0.022	ppbv	98
67)	1,3,5-Trimethylbenzene	11.854	105	6266	0.021	ppbv	90
68)	1,2,4-Trimethylbenzene	12.110	105	7296	0.025	ppbv	96
70)	Benzyl chloride	12.203	91	4935	0.020	ppbv#	92
71)	1,3-Dichlorobenzene	12.223	146	5933	0.028	ppbv#	79
72)	1,4-Dichlorobenzene	12.264	146	4517	0.023	ppbv	96
73)	sec-Butylbenzene	12.110	105	7296	0.025	ppbv	97
74)	4-Isopropyltoluene	12.367	119	7796	0.021	ppbv#	90
75)	1,2-Dichlorobenzene	12.480	146	6140	0.030	ppbv#	66
76)	n-Butylbenzene	12.634	91	7012	0.022	ppbv	96
77)	1,2,4-Trichlorobenzene	13.619	180	4753	0.029	ppbv#	82
79)	Hexachlorobutadiene	13.947	225	8867	0.039	ppbv	87
81)	1,2-Dichlorotetrafluor...	3.673	85	7846	0.035	ppbv	91
82)	Vinyl Chloride(sim)	3.776	62	3571	0.036	ppbv	99
83)	Bromomethane(sim)	4.110	94	2821m	0.034	ppbv	73
84)	Trichlorofluoromethane...	4.821	101	10546	0.038	ppbv#	100
85)	1,2-Dichloroethane(sim)	7.324	62	5675	0.038	ppbv#	93
86)	1,1,1-Trichloroethane(...)	7.486	97	7757	0.037	ppbv#	98
87)	Carbon Tetrachloride(sim)	7.868	117	8006	0.037	ppbv	95
88)	1,1-Dichloroethene(sim)	5.272	61	6211m	0.034	ppbv	85
89)	Trichlorotrifluoroetha...	5.525	101	6709	0.038	ppbv#	81
90)	Trans-1,2-Dichloroethe...	5.988	61	5468	0.037	ppbv	97
91)	1,1-Dichloroethane(sim)	6.122	63	6918m	0.041	ppbv	89
92)	Cis-1,2-Dichloroethene...	6.663	61	5112	0.038	ppbv	93
93)	Chloroform(sim)	6.855	83	7683	0.039	ppbv	91
95)	1,2-dichloropropane(sim)	8.285	63	3316m	0.042	ppbv	81
96)	Bromodichloromethane(sim)	8.408	83	7153	0.038	ppbv	98
97)	Trichloroethene(sim)	8.424	130	3281	0.039	ppbv	96
98)	1,4-Dioxane(sim)	8.452	88	1046	0.032	ppbv#	86
99)	cis-1,3-Dichloropropen...	8.926	75	3205	0.036	ppbv#	83
100)	1,1,2-Trichloroethane(...)	9.353	97	3040	0.037	ppbv	95
101)	Dibromochloromethane(sim)	9.765	129	5676	0.037	ppbv	92
102)	1,2-Dibromoethane(EDB)...	9.916	107	4440	0.036	ppbv	99
103)	Tetrachloroethene(sim)	10.163	166	5175	0.043	ppbv#	79
105)	Bromoform(sim)	10.921	173	6316	0.038	ppbv	97
106)	m,p-Xylene(sim)	10.845	91	11664	0.057	ppbv	97
107)	1,1,2,2-Tetrachloroeth...	11.116	83	6173	0.036	ppbv#	92
110)	Benzyl chloride(sim)	12.208	91	5022	0.024	ppbv	99
111)	1,3-Dichlorobenzene(sim)	12.223	146	5933	0.031	ppbv#	79
112)	1,4-Dichlorobenzene(sim)	12.260	146	5500	0.030	ppbv	98
113)	sec-Butylbenzene(sim)	12.110	105	7296	0.026	ppbv	94
114)	4-Isopropyltoluene(sim)	12.362	119	8474	0.023	ppbv	99
115)	1,2-Dichlorobenzene(sim)	12.480	146	6140	0.032	ppbv#	67
116)	n-Butylbenzene(sim)	12.629	91	6879	0.021	ppbv	97
117)	1,2,4-Trichlorobenzene...	13.619	180	4753	0.034	ppbv#	82
119)	Hexachlorobutadiene(sim)	13.947	225	8867	0.037	ppbv	90

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_04.D
 Acq On : 22 May 2020 1:37 pm
 Operator :
 Client ID : ICAL 0.035
 Lab ID : 0.035
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 27 10:37:48 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:36:59 2020
 Response via : Initial Calibration

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

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

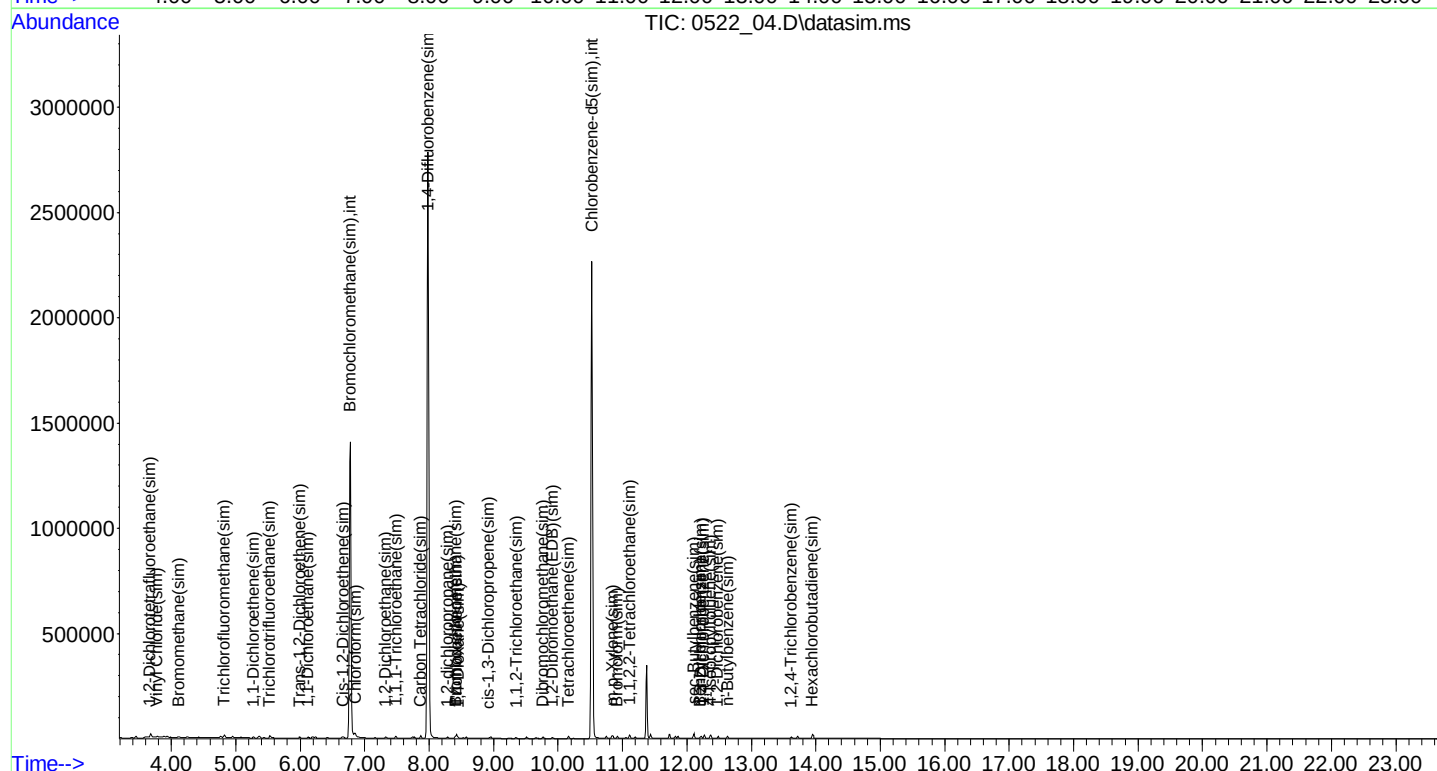
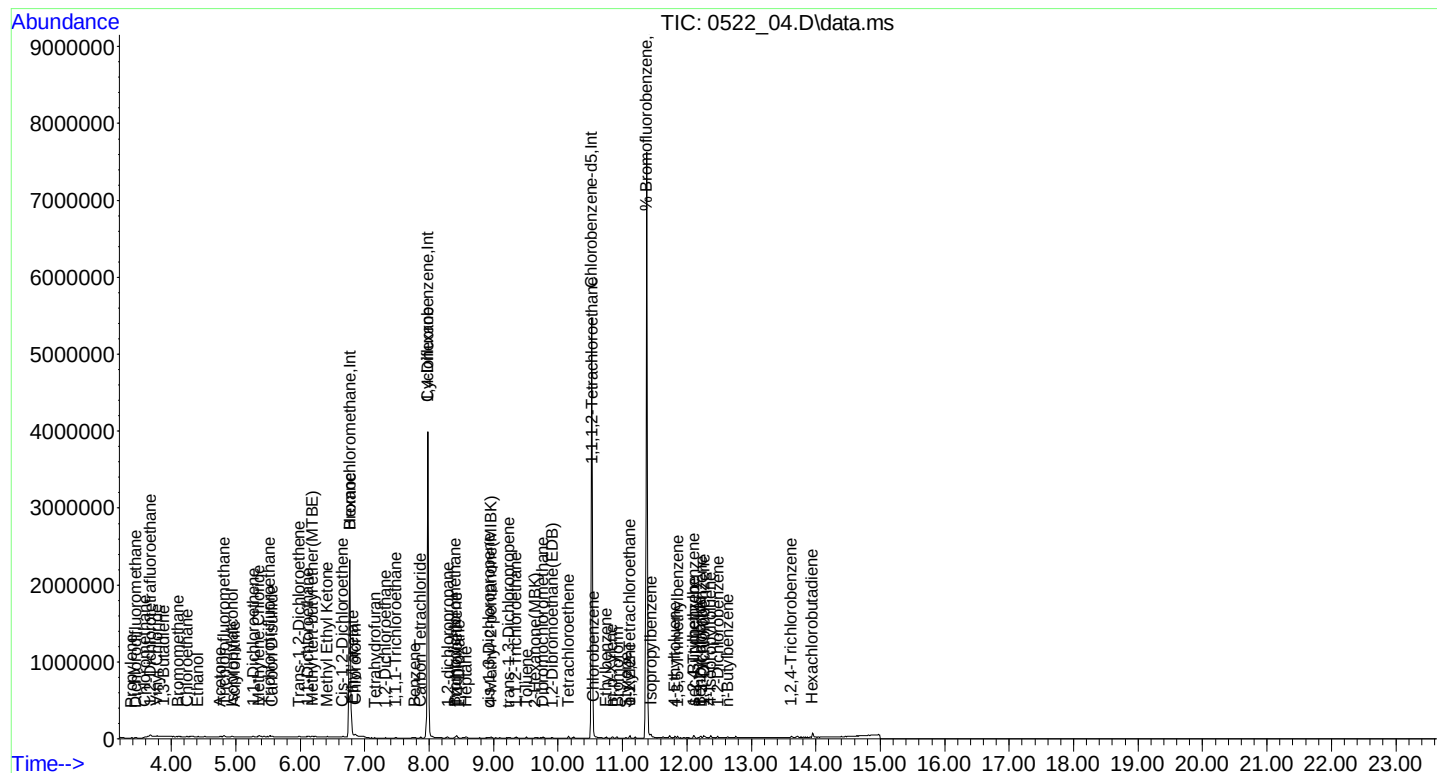
Quantitation Report (RF) (QT Reviewed)

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Data Path   : H:\AIR2020\CHEM20\05MAY\22\
Data File   : 0522_04.D
Acq On      : 22 May 2020    1:37 pm
Operator    :
Client ID    : ICAL 0.035
Lab ID      : 0.035
ALS Vial     : 4    Sample Multiplier: 1

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Quant Time: May 27 10:37:48 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Quant Update : Wed May 27 10:36:59 2020
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_05.D
 Acq On : 22 May 2020 2:13 pm
 Operator :
 Client ID : ICAL 0.05
 Lab ID : 0.05
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 27 10:38:20 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:38:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.759	130	728046	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.976	114	2095520	10.000	ng	0.00
53) Chlorobenzene-d5	10.518	82	1191376	10.000	ng	0.00
80) Bromochloromethane(sim)	6.765	130	751176	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2342949	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1270257	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.369	95	1658870	9.674	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.70%

Target Compounds

						Qvalue
2) Propylene	3.371	41	5222	0.082	ppbv#	69
3) Dichlorodifluoromethane	3.425	85	13715	0.054	ppbv	93
4) Chloromethane	3.576	50	5384	0.070	ppbv	97
5) 1,2-Dichlorotetrafluor...	3.662	85	10843	0.049	ppbv	93
6) Vinyl Chloride	3.759	62	4764	0.054	ppbv	93
7) 1,3-Butadiene	3.867	54	5671	0.086	ppbv#	82
8) Bromomethane	4.093	94	5011	0.064	ppbv#	80
9) Chloroethane	4.233	64	3179	0.084	ppbv	93
11) Ethanol	4.406	45	1931	0.068	ppbv#	80
12) Acetone	4.751	43	8714	0.065	ppbv#	81
13) Trichlorofluoromethane	4.805	101	13747	0.053	ppbv	98
14) Isopropylalcohol	4.945	45	8655	0.058	ppbv#	79
15) Acrylonitrile	4.977	53	410	0.007	ppbv#	38
16) 1,1-Dichloroethene	5.257	61	10606	0.061	ppbv	95
17) Methylene Chloride	5.344	49	7978	0.085	ppbv	94
20) Carbon Disulfide	5.550	76	9838	0.050	ppbv	97
21) Trichlorotrifluoroethane	5.516	101	8973	0.053	ppbv	95
22) Trans-1,2-Dichloroethene	5.975	61	7890	0.059	ppbv	98
23) 1,1-Dichloroethane	6.109	63	8347	0.053	ppbv	99
24) Methyl tert-butyl ethe...	6.180	73	14827	0.069	ppbv	94
25) Methyl Ethyl Ketone	6.416	43	8082	0.056	ppbv#	77
26) Cis-1,2-Dichloroethene	6.655	61	8108	0.060	ppbv#	76
27) Hexane	6.780	57	5688	0.049	ppbv#	62
28) Chloroform	6.842	83	9933	0.055	ppbv	94
29) Ethyl acetate	6.811	61	1612	0.054	ppbv	83
30) Tetrahydrofuran	7.155	42	3047	0.045	ppbv	89
31) 1,2-Dichloroethane	7.321	62	6720	0.046	ppbv#	90
32) 1,1,1-Trichloroethane	7.478	97	9729	0.051	ppbv	93
33) Benzene	7.776	78	7673	0.047	ppbv	97
34) Carbon Tetrachloride	7.865	117	10664	0.049	ppbv	95
35) Cyclohexane	7.965	84	23877	0.350	ppbv#	92
37) 1,2-dichloropropane	8.277	63	3994	0.054	ppbv#	81
38) Bromodichloromethane	8.399	83	8962	0.054	ppbv	89
39) Trichloroethene	8.422	130	4392	0.054	ppbv#	88
41) 1,4-Dioxane	8.444	88	1416	0.041	ppbv#	75
43) Heptane	8.578	43	4615	0.039	ppbv#	79
44) cis-1,3-Dichloropropene	8.934	75	3804	0.038	ppbv	100
45) 4-Methyl-2-pentanone(M...	8.956	43	6486	0.038	ppbv#	94
46) trans-1,3-Dichloropropene	9.238	75	4197	0.044	ppbv#	94
47) 1,1,2-Trichloroethane	9.345	97	3364	0.046	ppbv	89
48) Toluene	9.510	91	7713	0.040	ppbv#	84
49) Dibromochloromethane	9.763	129	7707	0.048	ppbv	99
50) 2-Hexanone(MBK)	9.656	43	4792	0.032	ppbv#	74
51) 1,2-Dibromoethane(EDB)	9.908	107	5393	0.045	ppbv	95

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_05.D
 Acq On : 22 May 2020 2:13 pm
 Operator :
 Client ID : ICAL 0.05
 Lab ID : 0.05
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 27 10:38:20 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:38:10 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	10.160	166	5593	0.047	ppbv#	87
54)	1,1,1,2-Tetrachloroethane	10.538	131	6791	0.062	ppbv	98
55)	Chlorobenzene	10.549	112	10094	0.058	ppbv#	62
56)	Ethylbenzene	10.743	91	9058	0.037	ppbv	91
57)	m,p-Xylene	10.846	91	15670	0.076	ppbv#	83
58)	Bromoform	10.918	173	7473	0.044	ppbv	95
59)	Styrene	11.051	104	4690	0.033	ppbv	93
60)	1,1,2,2-Tetrachloroethane	11.112	83	8037	0.048	ppbv	97
61)	o-Xylene	11.112	91	6778	0.029	ppbv	96
64)	Isopropylbenzene	11.440	105	15369	0.049	ppbv	94
66)	4-Ethyltoluene	11.810	105	10050	0.031	ppbv#	88
67)	1,3,5-Trimethylbenzene	11.851	105	9044	0.031	ppbv#	83
68)	1,2,4-Trimethylbenzene	12.107	105	7955	0.027	ppbv#	82
70)	Benzyl chloride	12.200	91	6629	0.027	ppbv#	74
71)	1,3-Dichlorobenzene	12.220	146	7438	0.035	ppbv	91
72)	1,4-Dichlorobenzene	12.261	146	6346	0.033	ppbv#	77
73)	sec-Butylbenzene	12.107	105	7955	0.027	ppbv	95
74)	4-Isopropyltoluene	12.364	119	11272	0.030	ppbv#	85
75)	1,2-Dichlorobenzene	12.477	146	7907	0.038	ppbv#	89
76)	n-Butylbenzene	12.631	91	9006	0.028	ppbv#	90
77)	1,2,4-Trichlorobenzene	13.616	180	5569	0.034	ppbv	90
79)	Hexachlorobutadiene	13.954	225	12305	0.055	ppbv	98
81)	1,2-Dichlorotetrafluor...	3.662	85	10843	0.048	ppbv	94
82)	Vinyl Chloride(sim)	3.765	62	5077	0.052	ppbv	98
83)	Bromomethane(sim)	4.093	94	5011	0.060	ppbv#	60
84)	Trichlorofluoromethane...	4.810	101	14506	0.052	ppbv#	96
85)	1,2-Dichloroethane(sim)	7.321	62	6720	0.046	ppbv#	90
86)	1,1,1-Trichloroethane(...)	7.483	97	10411	0.049	ppbv#	98
87)	Carbon Tetrachloride(sim)	7.865	117	10664	0.050	ppbv	95
88)	1,1-Dichloroethene(sim)	5.263	61	9815	0.054	ppbv	88
89)	Trichlorotrifluoroetha...	5.516	101	8973	0.051	ppbv#	94
90)	Trans-1,2-Dichloroethe...	5.980	61	7168	0.049	ppbv	99
91)	1,1-Dichloroethane(sim)	6.109	63	8347	0.049	ppbv	98
92)	Cis-1,2-Dichloroethene...	6.650	61	6705	0.050	ppbv	99
93)	Chloroform(sim)	6.842	83	9933	0.051	ppbv	90
95)	1,2-dichloropropane(sim)	8.277	63	3994	0.051	ppbv#	76
96)	Bromodichloromethane(sim)	8.405	83	9406	0.051	ppbv	99
97)	Trichloroethene(sim)	8.422	130	4392	0.053	ppbv	97
98)	1,4-Dioxane(sim)	8.450	88	1460	0.045	ppbv#	84
99)	cis-1,3-Dichloropropen...	8.934	75	3804	0.043	ppbv	100
100)	1,1,2-Trichloroethane(...)	9.351	97	4096	0.050	ppbv	97
101)	Dibromochloromethane(sim)	9.763	129	7707	0.051	ppbv	98
102)	1,2-Dibromoethane(EDB)...	9.914	107	5671	0.046	ppbv	97
103)	Tetrachloroethene(sim)	10.160	166	5593	0.047	ppbv#	86
105)	Bromoform(sim)	10.918	173	7473	0.046	ppbv	81
106)	m,p-Xylene(sim)	10.841	91	15385	0.077	ppbv	99
107)	1,1,2,2-Tetrachloroeth...	11.112	83	8037	0.048	ppbv	98
110)	Benzyl chloride(sim)	12.205	91	7072	0.034	ppbv	99
111)	1,3-Dichlorobenzene(sim)	12.220	146	7438	0.039	ppbv	91
112)	1,4-Dichlorobenzene(sim)	12.267	146	6797	0.038	ppbv	99
113)	sec-Butylbenzene(sim)	12.107	105	7955	0.030	ppbv	98
114)	4-Isopropyltoluene(sim)	12.369	119	11212	0.032	ppbv	98
115)	1,2-Dichlorobenzene(sim)	12.477	146	7907	0.042	ppbv	91
116)	n-Butylbenzene(sim)	12.626	91	9458	0.031	ppbv	98
117)	1,2,4-Trichlorobenzene...	13.616	180	5569	0.040	ppbv	90
119)	Hexachlorobutadiene(sim)	13.954	225	12062	0.051	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_05.D
 Acq On : 22 May 2020 2:13 pm
 Operator :
 Client ID : ICAL 0.05
 Lab ID : 0.05
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 27 10:38:20 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:38:10 2020
 Response via : Initial Calibration

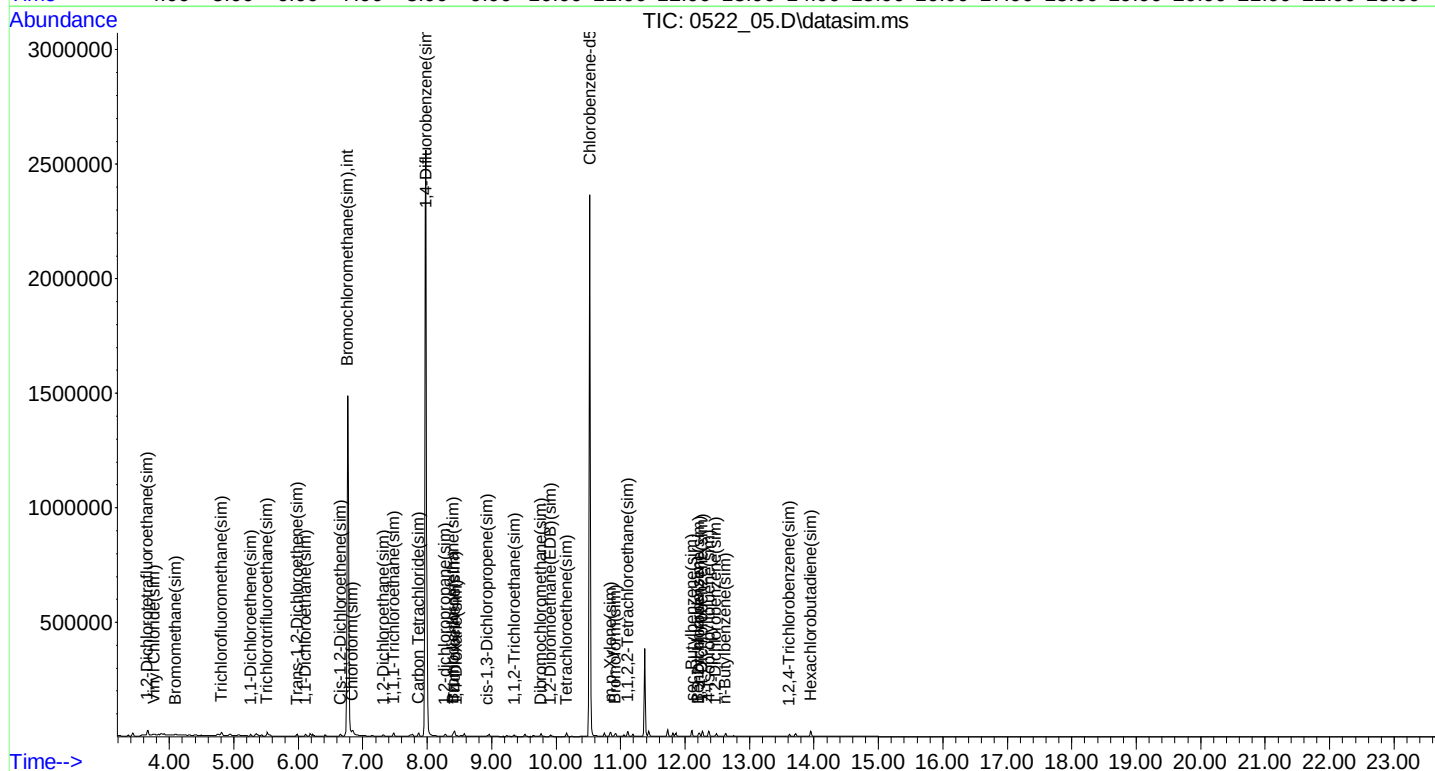
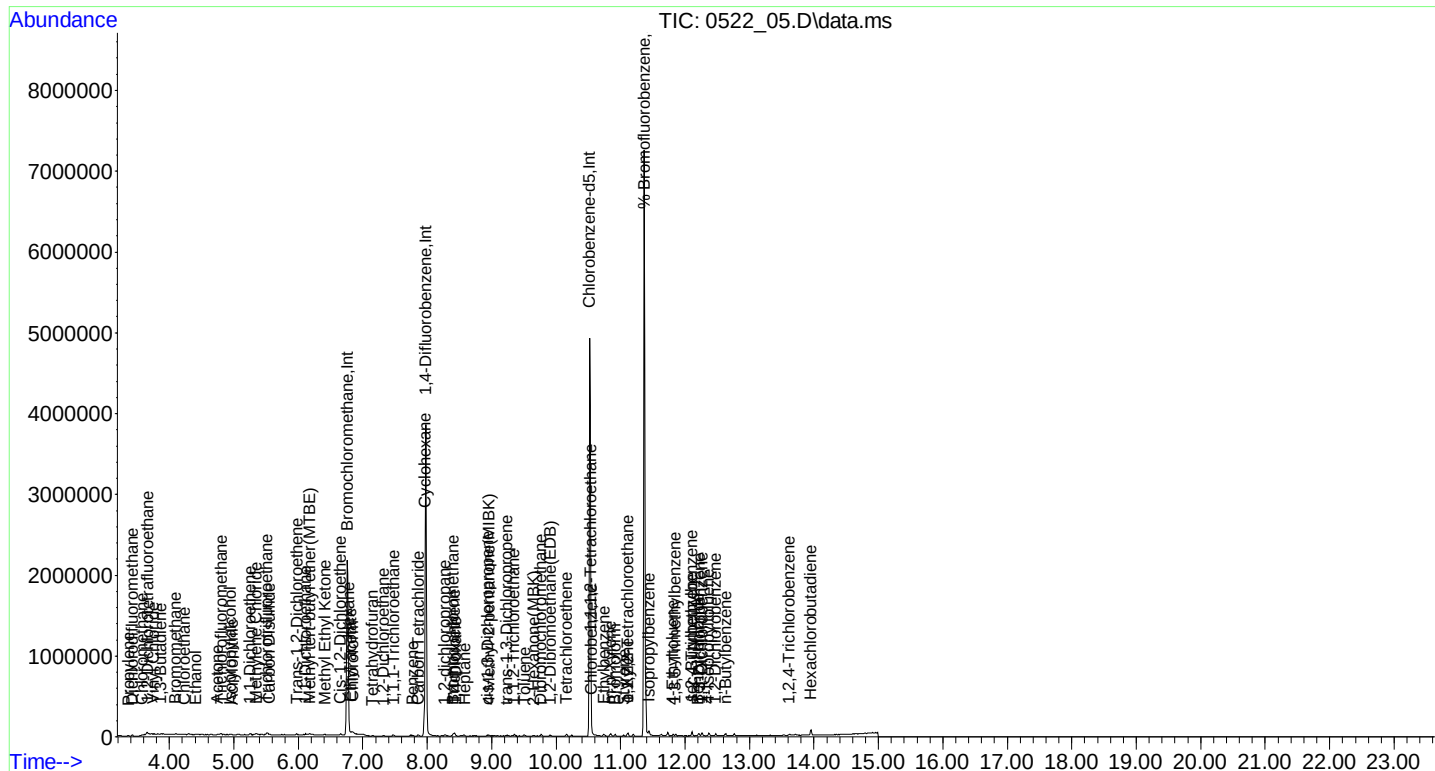
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_05.D
 Acq On : 22 May 2020 2:13 pm
 Operator :
 Client ID : ICAL 0.05
 Lab ID : 0.05
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 27 10:38:20 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:38:10 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_06.D
 Acq On : 22 May 2020 2:49 pm
 Operator :
 Client ID : ICAL 0.1
 Lab ID : 0.1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 27 10:38:57 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:38:46 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	731359	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.976	114	2113692	10.000	ng	0.00
53) Chlorobenzene-d5	10.518	82	1165571	10.000	ng	0.00
80) Bromochloromethane(sim)	6.775	130	753001	10.000	ng	# 0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2352922	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1282595	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 11.369 95 1714116 10.218 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 102.20%

Target Compounds

					Qvalue	
2) Propylene	3.382	41	6174	0.097	ppbv#	71
3) Dichlorodifluoromethane	3.447	85	26112	0.103	ppbv	96
4) Chloromethane	3.587	50	8827	0.114	ppbv	94
5) 1,2-Dichlorotetrafluor...	3.673	85	21605	0.098	ppbv	98
6) Vinyl Chloride	3.770	62	8803	0.098	ppbv	97
7) 1,3-Butadiene	3.888	54	6757	0.102	ppbv#	69
8) Bromomethane	4.104	94	8758	0.112	ppbv#	80
9) Chloroethane	4.233	64	5374	0.141	ppbv	96
11) Ethanol	4.417	45	6542	0.229	ppbv#	67
12) Acetone	4.751	43	14463	0.107	ppbv	97
13) Trichlorofluoromethane	4.815	101	26189	0.101	ppbv	99
14) Isopropylalcohol	4.934	45	15780	0.106	ppbv#	74
15) Acrylonitrile	4.966	53	576	0.010	ppbv#	72
16) 1,1-Dichloroethene	5.266	61	17875	0.102	ppbv	98
17) Methylene Chloride	5.352	49	11454	0.122	ppbv	99
20) Carbon Disulfide	5.559	76	20328	0.103	ppbv#	78
21) Trichlorotrifluoroethane	5.525	101	16775	0.099	ppbv	97
22) Trans-1,2-Dichloroethene	5.982	61	13472	0.101	ppbv	94
23) 1,1-Dichloroethane	6.117	63	16939	0.106	ppbv	90
24) Methyl tert-butyl ethe...	6.187	73	20523	0.095	ppbv#	93
25) Methyl Ethyl Ketone	6.408	43	13798	0.096	ppbv#	94
26) Cis-1,2-Dichloroethene	6.655	61	14327	0.105	ppbv	98
27) Hexane	6.780	57	10494	0.090	ppbv#	95
28) Chloroform	6.842	83	19687	0.109	ppbv	91
29) Ethyl acetate	6.811	61	2948	0.099	ppbv#	96
30) Tetrahydrofuran	7.155	42	6264	0.092	ppbv	97
31) 1,2-Dichloroethane	7.321	62	13345	0.090	ppbv#	87
32) 1,1,1-Trichloroethane	7.478	97	19488	0.102	ppbv	93
33) Benzene	7.776	78	15163	0.092	ppbv	95
34) Carbon Tetrachloride	7.865	117	20764	0.096	ppbv	95
35) Cyclohexane	7.976	84	27838	0.406	ppbv#	96
37) 1,2-dichloropropane	8.288	63	7246	0.098	ppbv	96
38) Bromodichloromethane	8.399	83	16160	0.096	ppbv	94
39) Trichloroethene	8.422	130	6818	0.083	ppbv#	78
41) 1,4-Dioxane	8.455	88	2756	0.079	ppbv#	68
43) Heptane	8.578	43	8246	0.069	ppbv#	92
44) cis-1,3-Dichloropropene	8.934	75	8570	0.084	ppbv	89
45) 4-Methyl-2-pentanone(M...	8.956	43	12183	0.071	ppbv#	96
46) trans-1,3-Dichloropropene	9.238	75	8356	0.088	ppbv#	89
47) 1,1,2-Trichloroethane	9.345	97	7806	0.106	ppbv#	78
48) Toluene	9.510	91	15129	0.078	ppbv	92
49) Dibromochloromethane	9.763	129	14551	0.091	ppbv	95
50) 2-Hexanone(MBK)	9.646	43	11116	0.073	ppbv#	81
51) 1,2-Dibromoethane(EDB)	9.908	107	10168	0.084	ppbv	88

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_06.D
 Acq On : 22 May 2020 2:49 pm
 Operator :
 Client ID : ICAL 0.1
 Lab ID : 0.1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 27 10:38:57 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:38:46 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	10.160	166	11558	0.097	ppbv	92
54)	1,1,1,2-Tetrachloroethane	10.539	131	11766	0.110	ppbv	92
55)	Chlorobenzene	10.549	112	18934	0.111	ppbv#	49
56)	Ethylbenzene	10.743	91	20040	0.083	ppbv	90
57)	m,p-Xylene	10.846	91	29748	0.148	ppbv#	90
58)	Bromoform	10.918	173	15559	0.094	ppbv#	84
59)	Styrene	11.051	104	9938	0.072	ppbv	91
60)	1,1,2,2-Tetrachloroethane	11.112	83	15672	0.095	ppbv	94
61)	o-Xylene	11.112	91	13790	0.061	ppbv	97
64)	Isopropylbenzene	11.440	105	27676	0.090	ppbv	96
66)	4-Ethyltoluene	11.820	105	19507	0.062	ppbv#	93
67)	1,3,5-Trimethylbenzene	11.861	105	19956	0.070	ppbv#	95
68)	1,2,4-Trimethylbenzene	12.107	105	16435	0.057	ppbv	97
70)	Benzyl chloride	12.200	91	14582	0.061	ppbv#	88
71)	1,3-Dichlorobenzene	12.220	146	16098	0.076	ppbv	99
72)	1,4-Dichlorobenzene	12.261	146	14449	0.076	ppbv	93
73)	sec-Butylbenzene	12.107	105	16435	0.057	ppbv	97
74)	4-Isopropyltoluene	12.364	119	22525	0.062	ppbv#	91
75)	1,2-Dichlorobenzene	12.477	146	15636	0.077	ppbv	90
76)	n-Butylbenzene	12.631	91	19858	0.062	ppbv	97
77)	1,2,4-Trichlorobenzene	13.616	180	9087	0.057	ppbv#	81
79)	Hexachlorobutadiene	13.954	225	24158	0.110	ppbv	94
81)	1,2-Dichlorotetrafluor...	3.673	85	21604	0.096	ppbv	98
82)	Vinyl Chloride(sim)	3.776	62	9420	0.096	ppbv	99
83)	Bromomethane(sim)	4.104	94	8758	0.104	ppbv#	79
84)	Trichlorofluoromethane...	4.821	101	28256	0.101	ppbv#	100
85)	1,2-Dichloroethane(sim)	7.321	62	13345	0.090	ppbv#	87
86)	1,1,1-Trichloroethane(...)	7.483	97	20581	0.097	ppbv#	99
87)	Carbon Tetrachloride(sim)	7.865	117	20764	0.097	ppbv	95
88)	1,1-Dichloroethene(sim)	5.272	61	18707	0.102	ppbv	96
89)	Trichlorotrifluoroetha...	5.525	101	16775	0.096	ppbv#	94
90)	Trans-1,2-Dichloroethe...	5.988	61	13695	0.094	ppbv	100
91)	1,1-Dichloroethane(sim)	6.117	63	16939	0.100	ppbv	90
92)	Cis-1,2-Dichloroethene...	6.660	61	12369	0.093	ppbv	97
93)	Chloroform(sim)	6.842	83	19687	0.100	ppbv	91
95)	1,2-dichloropropane(sim)	8.288	63	7246	0.092	ppbv	93
96)	Bromodichloromethane(sim)	8.405	83	17877	0.096	ppbv	98
97)	Trichloroethene(sim)	8.422	130	6818	0.082	ppbv#	88
98)	1,4-Dioxane(sim)	8.450	88	2823	0.087	ppbv#	90
99)	cis-1,3-Dichloropropen...	8.934	75	8570	0.097	ppbv#	89
100)	1,1,2-Trichloroethane(...)	9.351	97	7891	0.095	ppbv	99
101)	Dibromochloromethane(sim)	9.763	129	14551	0.096	ppbv	94
102)	1,2-Dibromoethane(EDB)...	9.914	107	11496	0.094	ppbv	98
103)	Tetrachloroethene(sim)	10.160	166	11558	0.097	ppbv	93
105)	Bromoform(sim)	10.918	173	15326	0.094	ppbv#	73
106)	m,p-Xylene(sim)	10.841	91	31474	0.156	ppbv	100
107)	1,1,2,2-Tetrachloroeth...	11.112	83	15672	0.092	ppbv	92
110)	Benzyl chloride(sim)	12.205	91	15144	0.072	ppbv	100
111)	1,3-Dichlorobenzene(sim)	12.220	146	16098	0.083	ppbv	99
112)	1,4-Dichlorobenzene(sim)	12.267	146	14601	0.080	ppbv	99
113)	sec-Butylbenzene(sim)	12.107	105	16437	0.065	ppbv	97
114)	4-Isopropyltoluene(sim)	12.369	119	23170	0.068	ppbv	99
115)	1,2-Dichlorobenzene(sim)	12.477	146	15636	0.082	ppbv	89
116)	n-Butylbenzene(sim)	12.626	91	19784	0.068	ppbv	99
117)	1,2,4-Trichlorobenzene...	13.616	180	9087	0.065	ppbv	83
119)	Hexachlorobutadiene(sim)	13.954	225	24158	0.100	ppbv	92

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_06.D
 Acq On : 22 May 2020 2:49 pm
 Operator :
 Client ID : ICAL 0.1
 Lab ID : 0.1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 27 10:38:57 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:38:46 2020
 Response via : Initial Calibration

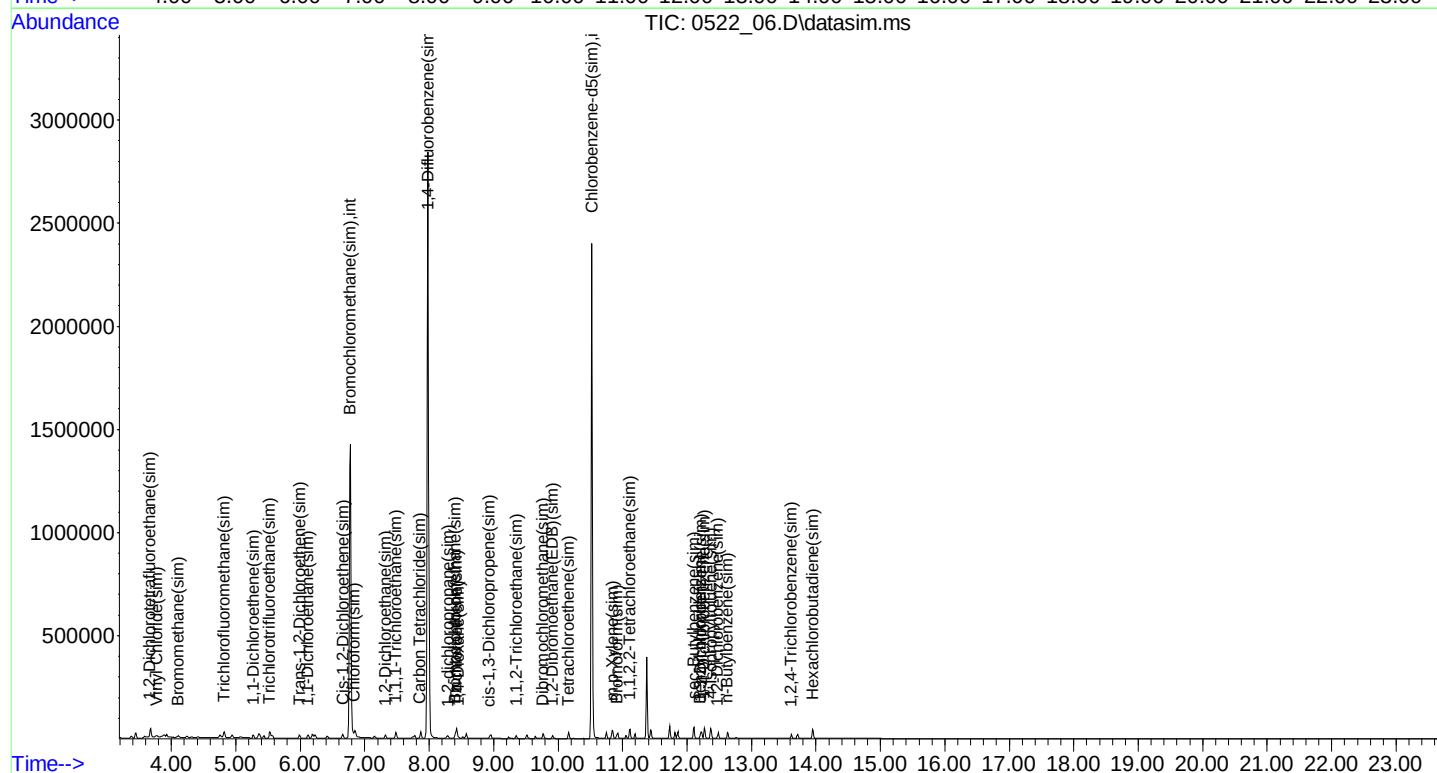
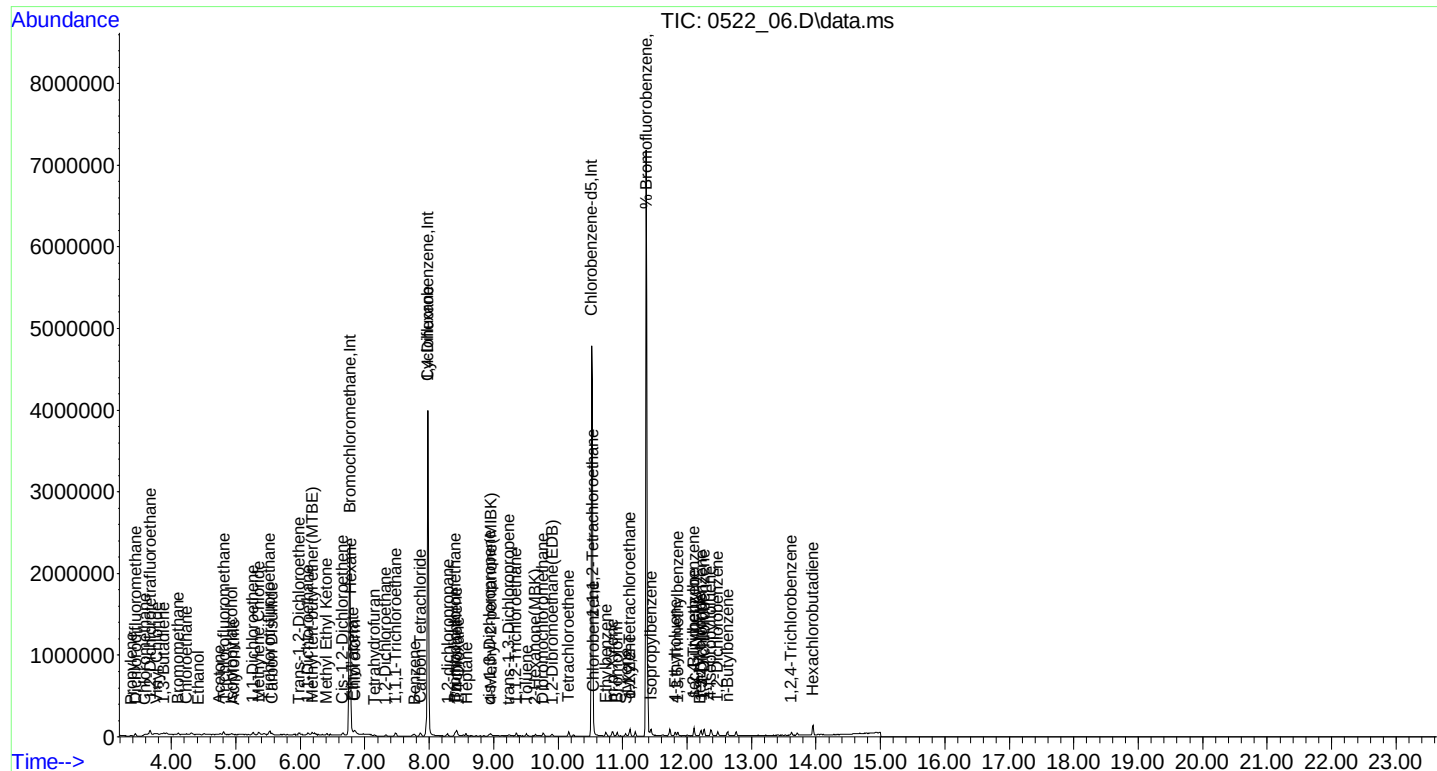
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (RF) (QT Reviewed)

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Data Path   : H:\AIR2020\CHEM20\05MAY\22\  
Data File  : 0522_06.D  
Acq On     : 22 May 2020    2:49 pm  
Operator   :  
Client ID  : ICAL 0.1  
Lab ID     : 0.1  
ALS Vial   : 6    Sample Multiplier: 1
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Quant Time: May 27 10:38:57 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Wed May 27 10:38:46 2020
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_07.D
 Acq On : 22 May 2020 3:27 pm
 Operator :
 Client ID : ICAL 0.5
 Lab ID : 0.5
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 27 10:35:22 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:35:08 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	733213	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.976	114	2129563	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1213154	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.764	130	744343	10.000	ng	#-0.02
94) 1,4-Difluorobenzene(sim)	7.982	114	2392777	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.523	82	1308817	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 11.369 95 1814400 10.450 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 104.50%

Target Compounds

						Qvalue
2) Propylene	3.382	41	28526	0.447	ppbv	96
3) Dichlorodifluoromethane	3.436	85	114226	0.450	ppbv	97
4) Chloromethane	3.587	50	31918	0.413	ppbv	87
5) 1,2-Dichlorotetrafluor...	3.673	85	98187	0.442	ppbv	96
6) Vinyl Chloride	3.770	62	40493	0.452	ppbv	98
7) 1,3-Butadiene	3.878	54	29041	0.437	ppbv	96
8) Bromomethane	4.104	94	36424	0.463	ppbv	100
9) Chloroethane	4.233	64	17876	0.467	ppbv	94
11) Ethanol	4.395	45	13189	0.460	ppbv#	62
12) Acetone	4.740	43	61599	0.455	ppbv	100
13) Trichlorofluoromethane	4.815	101	124295	0.476	ppbv	99
14) Isopropylalcohol	4.923	45	62463	0.417	ppbv	93
15) Acrylonitrile	5.042	53	22395	0.400	ppbv	90
16) 1,1-Dichloroethene	5.266	61	82530	0.468	ppbv	95
17) Methylene Chloride	5.343	49	44263	0.469	ppbv	98
20) Carbon Disulfide	5.559	76	87659	0.443	ppbv#	92
21) Trichlorotrifluoroethane	5.524	101	79541	0.466	ppbv	97
22) Trans-1,2-Dichloroethene	5.974	61	59588	0.446	ppbv	97
23) 1,1-Dichloroethane	6.116	63	71431	0.448	ppbv	97
24) Methyl tert-butyl ethe...	6.172	73	96441	0.443	ppbv	95
25) Methyl Ethyl Ketone	6.400	43	60498	0.419	ppbv	97
26) Cis-1,2-Dichloroethene	6.655	61	62809	0.460	ppbv	98
27) Hexane	6.780	57	51048	0.438	ppbv	96
28) Chloroform	6.842	83	84344	0.465	ppbv	98
29) Ethyl acetate	6.801	61	14109	0.473	ppbv	96
30) Tetrahydrofuran	7.134	42	24234	0.356	ppbv	96
31) 1,2-Dichloroethane	7.321	62	64153	0.433	ppbv	98
32) 1,1,1-Trichloroethane	7.478	97	82858	0.434	ppbv	96
33) Benzene	7.776	78	61754	0.374	ppbv	98
34) Carbon Tetrachloride	7.865	117	98839	0.454	ppbv	98
35) Cyclohexane	7.943	84	38864	0.565	ppbv#	72
37) 1,2-dichloropropane	8.277	63	32389	0.434	ppbv	88
38) Bromodichloromethane	8.399	83	78041	0.461	ppbv	98
39) Trichloroethene	8.422	130	34575	0.420	ppbv	99
41) 1,4-Dioxane	8.444	88	12857	0.366	ppbv#	86
43) Heptane	8.578	43	43559	0.360	ppbv	95
44) cis-1,3-Dichloropropene	8.934	75	38793	0.377	ppbv	97
45) 4-Methyl-2-pentanone(M...	8.945	43	71321	0.415	ppbv#	88
46) trans-1,3-Dichloropropene	9.238	75	34593	0.361	ppbv	96
47) 1,1,2-Trichloroethane	9.345	97	33998	0.460	ppbv	98
48) Toluene	9.510	91	75032	0.382	ppbv	95
49) Dibromochloromethane	9.762	129	70417	0.435	ppbv	96
50) 2-Hexanone(MBK)	9.646	43	55054	0.357	ppbv	92
51) 1,2-Dibromoethane(EDB)	9.908	107	50856	0.419	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_07.D
 Acq On : 22 May 2020 3:27 pm
 Operator :
 Client ID : ICAL 0.5
 Lab ID : 0.5
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 27 10:35:22 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:35:08 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	10.160	166	54154	0.452	ppbv	99
54)	1,1,1,2-Tetrachloroethane	10.538	131	57055	0.514	ppbv	98
55)	Chlorobenzene	10.549	112	88665	0.500	ppbv#	76
56)	Ethylbenzene	10.743	91	93725	0.373	ppbv	97
57)	m,p-Xylene	10.846	91	158930	0.757	ppbv#	89
58)	Bromoform	10.918	173	79735	0.460	ppbv	99
59)	Styrene	11.051	104	47965	0.334	ppbv	96
60)	1,1,2,2-Tetrachloroethane	11.112	83	78346	0.456	ppbv#	86
61)	o-Xylene	11.112	91	87364	0.372	ppbv	97
64)	Isopropylbenzene	11.440	105	142257	0.446	ppbv	98
66)	4-Ethyltoluene	11.810	105	120230	0.367	ppbv	97
67)	1,3,5-Trimethylbenzene	11.851	105	125387	0.420	ppbv	99
68)	1,2,4-Trimethylbenzene	12.107	105	106025	0.356	ppbv	94
70)	Benzyl chloride	12.199	91	85311	0.342	ppbv	97
71)	1,3-Dichlorobenzene	12.220	146	94462	0.431	ppbv	99
72)	1,4-Dichlorobenzene	12.261	146	81733	0.412	ppbv	99
73)	sec-Butylbenzene	12.107	105	106025	0.356	ppbv	95
74)	4-Isopropyltoluene	12.364	119	145570	0.386	ppbv	93
75)	1,2-Dichlorobenzene	12.477	146	94081	0.445	ppbv	99
76)	n-Butylbenzene	12.630	91	118140	0.357	ppbv	97
77)	1,2,4-Trichlorobenzene	13.616	180	52183	0.315	ppbv	97
79)	Hexachlorobutadiene	13.954	225	109437	0.478	ppbv	99
81)	1,2-Dichlorotetrafluor...	3.673	85	98178	0.442	ppbv	96
82)	Vinyl Chloride(sim)	3.775	62	43240	0.445	ppbv	99
83)	Bromomethane(sim)	4.104	94	36424	0.439	ppbv	100
84)	Trichlorofluoromethane...	4.821	101	130913	0.474	ppbv#	100
85)	1,2-Dichloroethane(sim)	7.321	62	64153	0.439	ppbv	98
86)	1,1,1-Trichloroethane(...	7.483	97	94553	0.452	ppbv#	99
87)	Carbon Tetrachloride(sim)	7.865	117	98420	0.467	ppbv	97
88)	1,1-Dichloroethene(sim)	5.263	61	80861	0.445	ppbv	99
89)	Trichlorotrifluoroetha...	5.524	101	79541	0.459	ppbv#	97
90)	Trans-1,2-Dichloroethe...	5.980	61	64659	0.449	ppbv	100
91)	1,1-Dichloroethane(sim)	6.116	63	71431	0.425	ppbv	97
92)	Cis-1,2-Dichloroethene...	6.660	61	58210	0.442	ppbv	99
93)	Chloroform(sim)	6.842	83	84344	0.436	ppbv	97
95)	1,2-dichloropropane(sim)	8.277	63	32389	0.403	ppbv	89
96)	Bromodichloromethane(sim)	8.405	83	84931	0.448	ppbv	99
97)	Trichloroethene(sim)	8.422	130	34207	0.407	ppbv	99
98)	1,4-Dioxane(sim)	8.450	88	14915	0.451	ppbv#	94
99)	cis-1,3-Dichloropropen...	8.934	75	38793	0.432	ppbv	97
100)	1,1,2-Trichloroethane(...	9.351	97	37740	0.448	ppbv	98
101)	Dibromochloromethane(sim)	9.762	129	70417	0.455	ppbv	96
102)	1,2-Dibromoethane(EDB)...	9.914	107	55402	0.443	ppbv	99
103)	Tetrachloroethene(sim)	10.160	166	54154	0.446	ppbv	99
105)	Bromoform(sim)	10.918	173	79184	0.474	ppbv	99
106)	m,p-Xylene(sim)	10.841	91	182715	0.885	ppbv#	95
107)	1,1,2,2-Tetrachloroeth...	11.112	83	78346	0.453	ppbv	97
110)	Benzyl chloride(sim)	12.205	91	94963	0.401	ppbv	99
111)	1,3-Dichlorobenzene(sim)	12.220	146	94462	0.477	ppbv	99
112)	1,4-Dichlorobenzene(sim)	12.267	146	88063	0.474	ppbv	97
113)	sec-Butylbenzene(sim)	12.107	105	106025	0.352	ppbv	95
114)	4-Isopropyltoluene(sim)	12.369	119	161928	0.385	ppbv	95
115)	1,2-Dichlorobenzene(sim)	12.477	146	94081	0.483	ppbv	99
116)	n-Butylbenzene(sim)	12.626	91	129442	0.352	ppbv	95
117)	1,2,4-Trichlorobenzene...	13.616	180	51515	0.363	ppbv	98
119)	Hexachlorobutadiene(sim)	13.954	225	109254	0.444	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_07.D
 Acq On : 22 May 2020 3:27 pm
 Operator :
 Client ID : ICAL 0.5
 Lab ID : 0.5
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 27 10:35:22 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:35:08 2020
 Response via : Initial Calibration

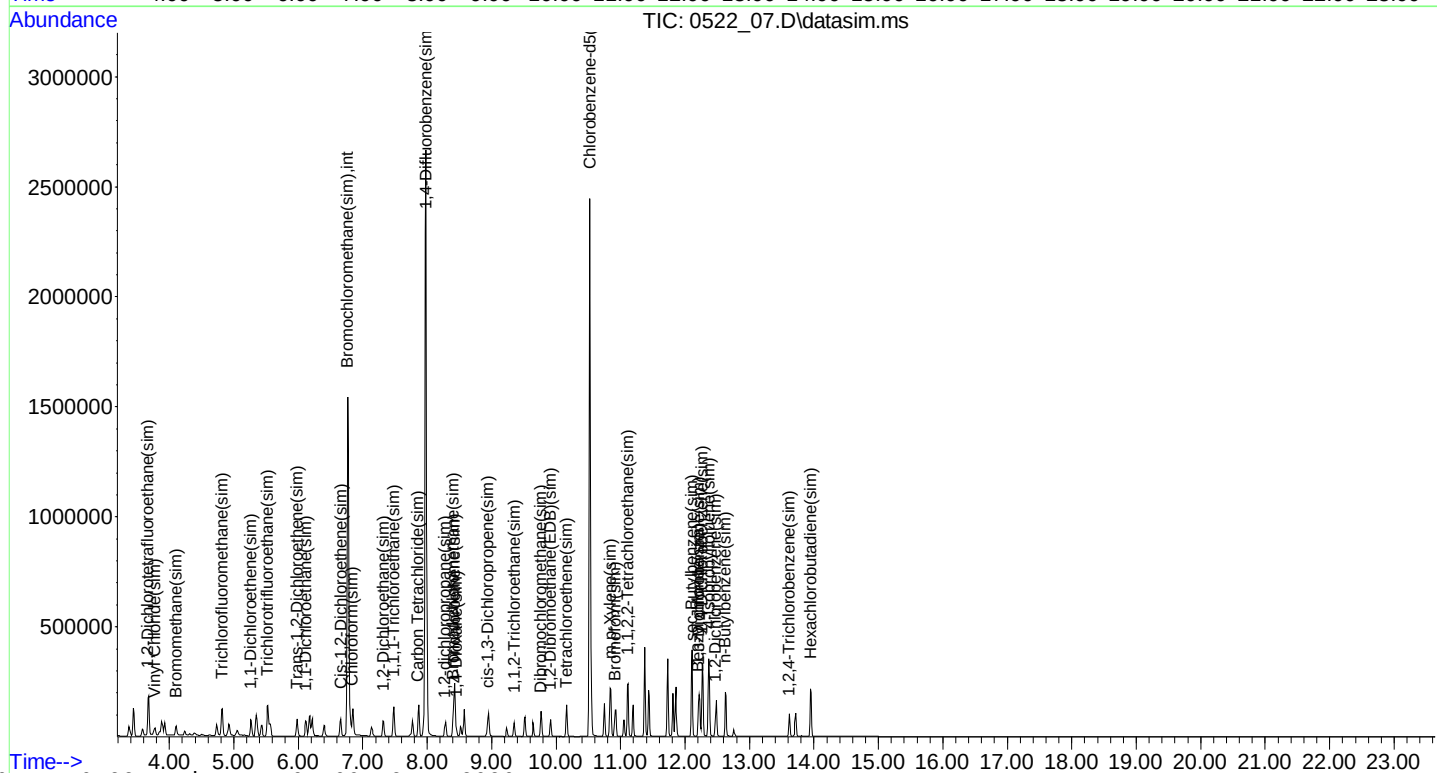
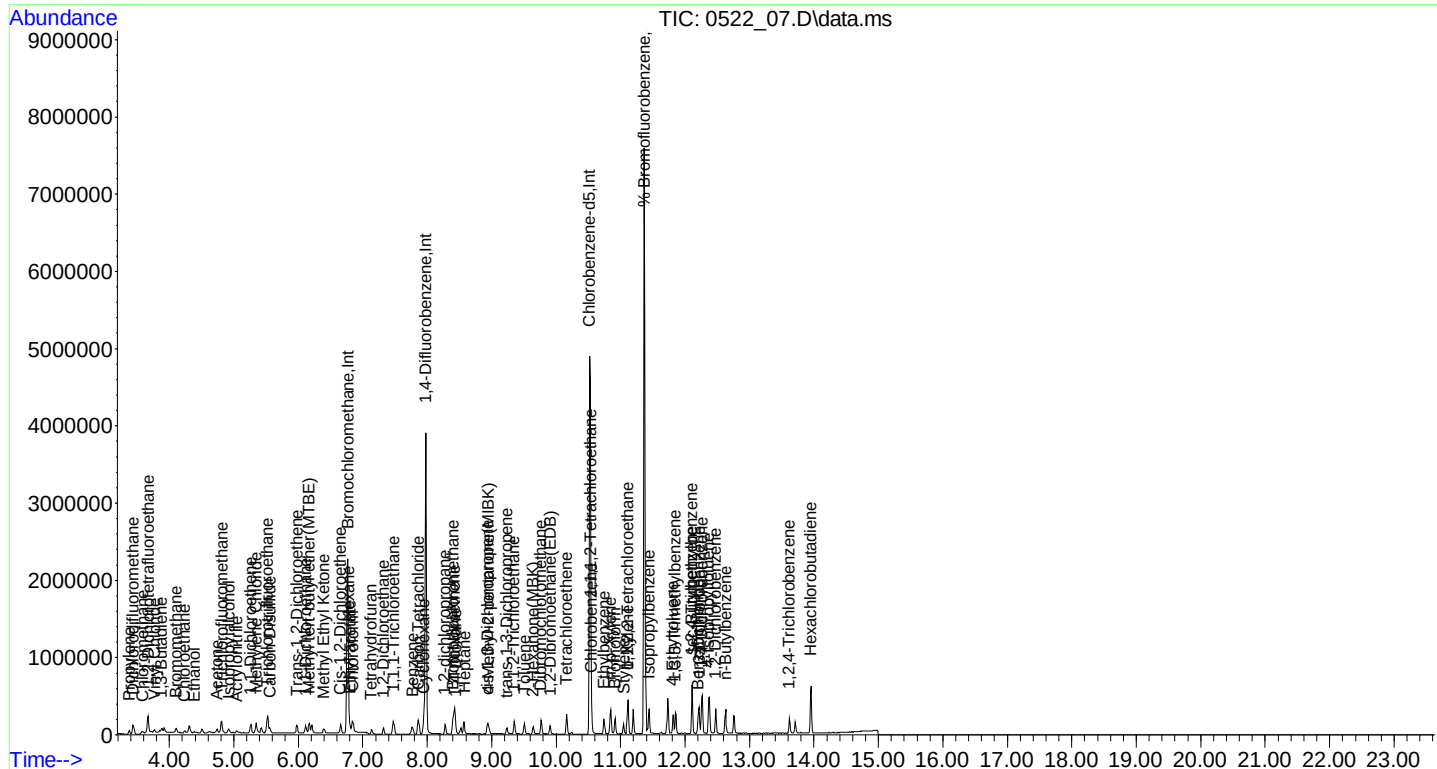
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_07.D
 Acq On : 22 May 2020 3:27 pm
 Operator :
 Client ID : ICAL 0.5
 Lab ID : 0.5
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 27 10:35:22 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:35:08 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_08.D
 Acq On : 22 May 2020 4:05 pm
 Operator :
 Client ID : ICAL 2.5
 Lab ID : 2.5
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 27 10:31:31 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon May 11 08:38:18 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.759	130	721185	10.000	ng	-0.03
36) 1,4-Difluorobenzene	7.976	114	2248456	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1255074	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.765	130	754321	10.000	ng	#-0.03
94) 1,4-Difluorobenzene(sim)	7.982	114	2503089	10.000	ng	-0.01
104) Chlorobenzene-d5(sim)	10.524	82	1372266	10.000	ng	0.00

System Monitoring Compounds
 62) % Bromofluorobenzene 11.369 95 1906391 11.238 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 112.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	3.360	41	147423	2.349	ppbv	96
3) Dichlorodifluoromethane	3.425	85	622324	2.493	ppbv	100
4) Chloromethane	3.565	50	180685	2.377	ppbv	99
5) 1,2-Dichlorotetrafluor...	3.651	85	531951	2.435	ppbv	98
6) Vinyl Chloride	3.748	62	208564	2.366	ppbv	98
7) 1,3-Butadiene	3.867	54	143992	2.202	ppbv#	87
8) Bromomethane	4.082	94	185914	2.401	ppbv#	92
9) Chloroethane	4.223	64	87165	2.316	ppbv	95
11) Ethanol	4.363	45	66511	2.360	ppbv#	82
12) Acetone	4.697	43	330940	2.483	ppbv#	82
13) Trichlorofluoromethane	4.794	101	646900	2.521	ppbv	99
14) Isopropylalcohol	4.891	45	366480	2.485	ppbv#	93
15) Acrylonitrile	5.020	53	123717	2.248	ppbv	97
16) 1,1-Dichloroethene	5.249	61	426667	2.458	ppbv	98
17) Methylene Chloride	5.335	49	212224	2.285	ppbv#	85
20) Carbon Disulfide	5.542	76	459814	2.363	ppbv	95
21) Trichlorotrifluoroethane	5.507	101	412309	2.457	ppbv	99
22) Trans-1,2-Dichloroethene	5.967	61	310880	2.364	ppbv	97
23) 1,1-Dichloroethane	6.101	63	373865	2.382	ppbv	99
24) Methyl tert-butyl ethe...	6.148	73	503658	2.354	ppbv	93
25) Methyl Ethyl Ketone	6.377	43	333070	2.347	ppbv#	93
26) Cis-1,2-Dichloroethene	6.644	61	316440	2.357	ppbv	98
27) Hexane	6.769	57	268754	2.346	ppbv	87
28) Chloroform	6.842	83	438331	2.459	ppbv	99
29) Ethyl acetate	6.790	61	66748	2.273	ppbv	94
30) Tetrahydrofuran	7.113	42	149647	2.236	ppbv#	85
31) 1,2-Dichloroethane	7.311	62	350746	2.406	ppbv	98
32) 1,1,1-Trichloroethane	7.478	97	460011	2.450	ppbv	98
33) Benzene	7.765	78	374787	2.306	ppbv	96
34) Carbon Tetrachloride	7.865	117	524208	2.447	ppbv	98
35) Cyclohexane	7.943	84	137327	2.030	ppbv	95
37) 1,2-dichloropropane	8.277	63	180349	2.287	ppbv	83
38) Bromodichloromethane	8.399	83	434353	2.431	ppbv	97
39) Trichloroethene	8.422	130	213687	2.458	ppbv	95
41) 1,4-Dioxane	8.433	88	91008	2.456	ppbv#	77
43) Heptane	8.567	43	315914	2.471	ppbv#	90
44) cis-1,3-Dichloropropene	8.934	75	245291	2.259	ppbv	93
45) 4-Methyl-2-pentanone(M...	8.945	43	434907	2.395	ppbv	94
46) trans-1,3-Dichloropropene	9.229	75	226877	2.242	ppbv	100
47) 1,1,2-Trichloroethane	9.345	97	189618	2.428	ppbv	95
48) Toluene	9.510	91	489128	2.361	ppbv	99
49) Dibromochloromethane	9.762	129	405614	2.374	ppbv	98
50) 2-Hexanone(MBK)	9.636	43	392812	2.409	ppbv#	91
51) 1,2-Dibromoethane(EDB)	9.908	107	300631	2.348	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_08.D
 Acq On : 22 May 2020 4:05 pm
 Operator :
 Client ID : ICAL 2.5
 Lab ID : 2.5
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 27 10:31:31 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon May 11 08:38:18 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	10.160	166	301738	2.385	ppbv	96
54)	1,1,1,2-Tetrachloroethane	10.538	131	304343	2.651	ppbv	99
55)	Chlorobenzene	10.549	112	465202	2.536	ppbv	91
56)	Ethylbenzene	10.743	91	672343	2.587	ppbv	99
57)	m,p-Xylene	10.846	91	1276747	5.879	ppbv	98
58)	Bromoform	10.918	173	430466	2.402	ppbv	99
59)	Styrene	11.051	104	363337	2.446	ppbv	96
60)	1,1,2,2-Tetrachloroethane	11.112	83	455115	2.563	ppbv	95
61)	o-Xylene	11.112	91	682606	2.813	ppbv	98
64)	Isopropylbenzene	11.440	105	908046	2.749	ppbv	99
66)	4-Ethyltoluene	11.810	105	960878	2.839	ppbv	100
67)	1,3,5-Trimethylbenzene	11.851	105	912773	2.958	ppbv	99
68)	1,2,4-Trimethylbenzene	12.107	105	901168	2.923	ppbv	97
70)	Benzyl chloride	12.200	91	632987	2.453	ppbv	98
71)	1,3-Dichlorobenzene	12.220	146	597198	2.632	ppbv	99
72)	1,4-Dichlorobenzene	12.261	146	524710	2.554	ppbv	99
73)	sec-Butylbenzene	12.107	105	901168	2.923	ppbv	99
74)	4-Isopropyltoluene	12.364	119	1176065	3.017	ppbv	95
75)	1,2-Dichlorobenzene	12.477	146	569784	2.604	ppbv	96
76)	n-Butylbenzene	12.631	91	1000050	2.923	ppbv	99
77)	1,2,4-Trichlorobenzene	13.616	180	383354	2.238	ppbv	99
79)	Hexachlorobutadiene	13.954	225	651645	2.748	ppbv	97
81)	1,2-Dichlorotetrafluor...	3.651	85	531951	2.361	ppbv	92
82)	Vinyl Chloride(sim)	3.754	62	231264	2.347	ppbv	97
83)	Bromomethane(sim)	4.082	94	185914	2.213	ppbv#	91
84)	Trichlorofluoromethane...	4.799	101	674377	2.412	ppbv#	100
85)	1,2-Dichloroethane(sim)	7.311	62	350959	2.369	ppbv	98
86)	1,1,1-Trichloroethane(...)	7.473	97	499143	2.357	ppbv#	96
87)	Carbon Tetrachloride(sim)	7.865	117	524049	2.453	ppbv	98
88)	1,1-Dichloroethene(sim)	5.254	61	421641	2.291	ppbv	100
89)	Trichlorotrifluoroetha...	5.507	101	412309	2.349	ppbv#	98
90)	Trans-1,2-Dichloroethe...	5.972	61	348393	2.386	ppbv	96
91)	1,1-Dichloroethane(sim)	6.101	63	374466	2.200	ppbv	99
92)	Cis-1,2-Dichloroethene...	6.650	61	310517	2.329	ppbv	90
93)	Chloroform(sim)	6.842	83	440048	2.242	ppbv	99
95)	1,2-dichloropropane(sim)	8.277	63	180349	2.145	ppbv	83
96)	Bromodichloromethane(sim)	8.405	83	462323	2.332	ppbv	99
97)	Trichloroethene(sim)	8.422	130	213687	2.429	ppbv	93
98)	1,4-Dioxane(sim)	8.427	88	98463	2.848	ppbv#	77
99)	cis-1,3-Dichloropropen...	8.934	75	245526	2.612	ppbv	93
100)	1,1,2-Trichloroethane(...)	9.351	97	206244	2.342	ppbv	99
101)	Dibromochloromethane(sim)	9.762	129	405326	2.502	ppbv	98
102)	1,2-Dibromoethane(EDB)...	9.914	107	325925	2.493	ppbv	100
103)	Tetrachloroethene(sim)	10.160	166	301738	2.374	ppbv	96
105)	Bromoform(sim)	10.918	173	430595	2.456	ppbv	99
106)	m,p-Xylene(sim)	10.841	91	1420464	6.563	ppbv	97
107)	1,1,2,2-Tetrachloroeth...	11.112	83	455115	2.509	ppbv	100
110)	Benzyl chloride(sim)	12.205	91	691228	2.604	ppbv	100
111)	1,3-Dichlorobenzene(sim)	12.220	146	597198	2.879	ppbv	99
112)	1,4-Dichlorobenzene(sim)	12.267	146	572607	2.941	ppbv	96
113)	sec-Butylbenzene(sim)	12.107	105	900867	2.632	ppbv	99
114)	4-Isopropyltoluene(sim)	12.369	119	1270135	2.695	ppbv	96
115)	1,2-Dichlorobenzene(sim)	12.477	146	569801	2.788	ppbv	96
116)	n-Butylbenzene(sim)	12.626	91	1099646	2.637	ppbv	100
117)	1,2,4-Trichlorobenzene...	13.616	180	383354	2.578	ppbv	99
119)	Hexachlorobutadiene(sim)	13.954	225	651495	2.527	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
Data File : 0522_08.D
Acq On : 22 May 2020 4:05 pm
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 27 10:31:31 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Mon May 11 08:38:18 2020
Response via : Initial Calibration

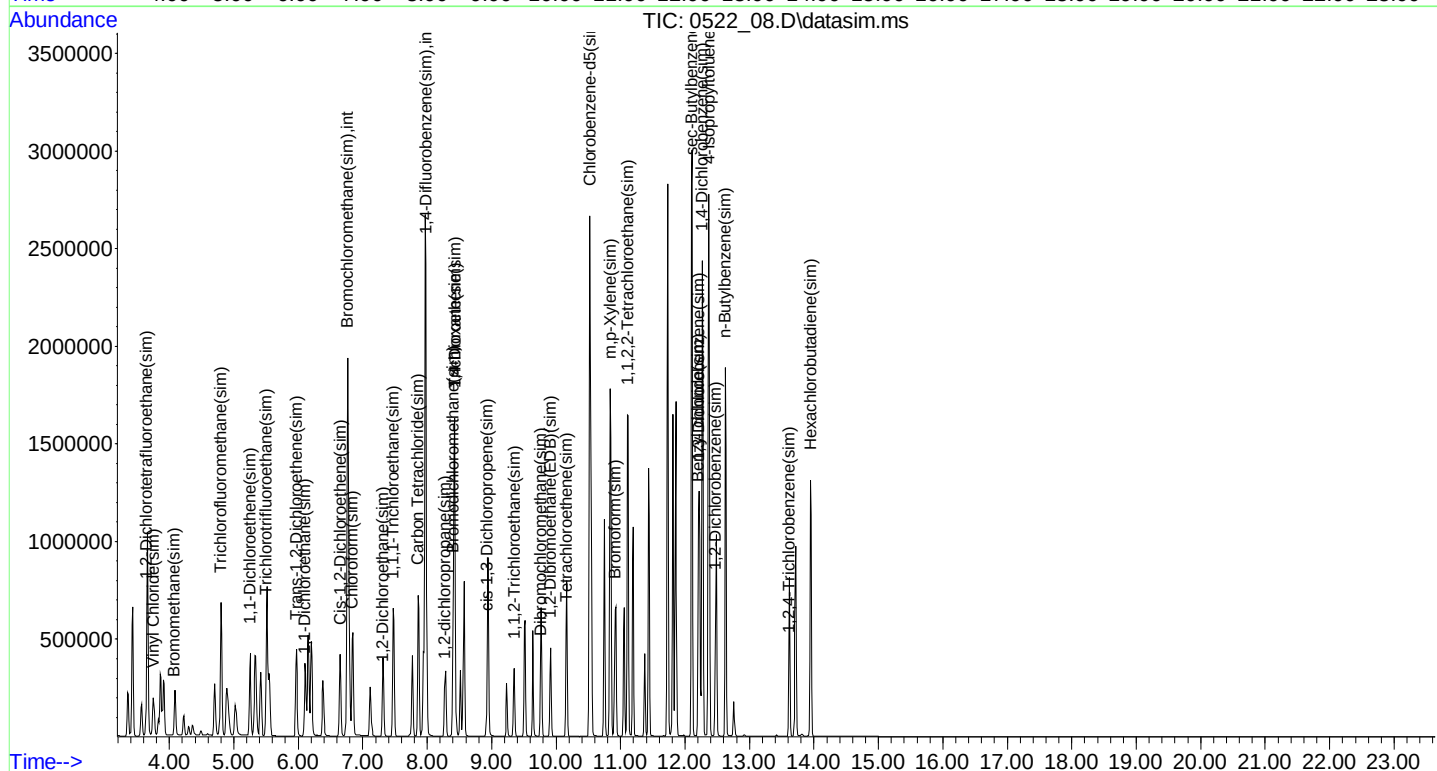
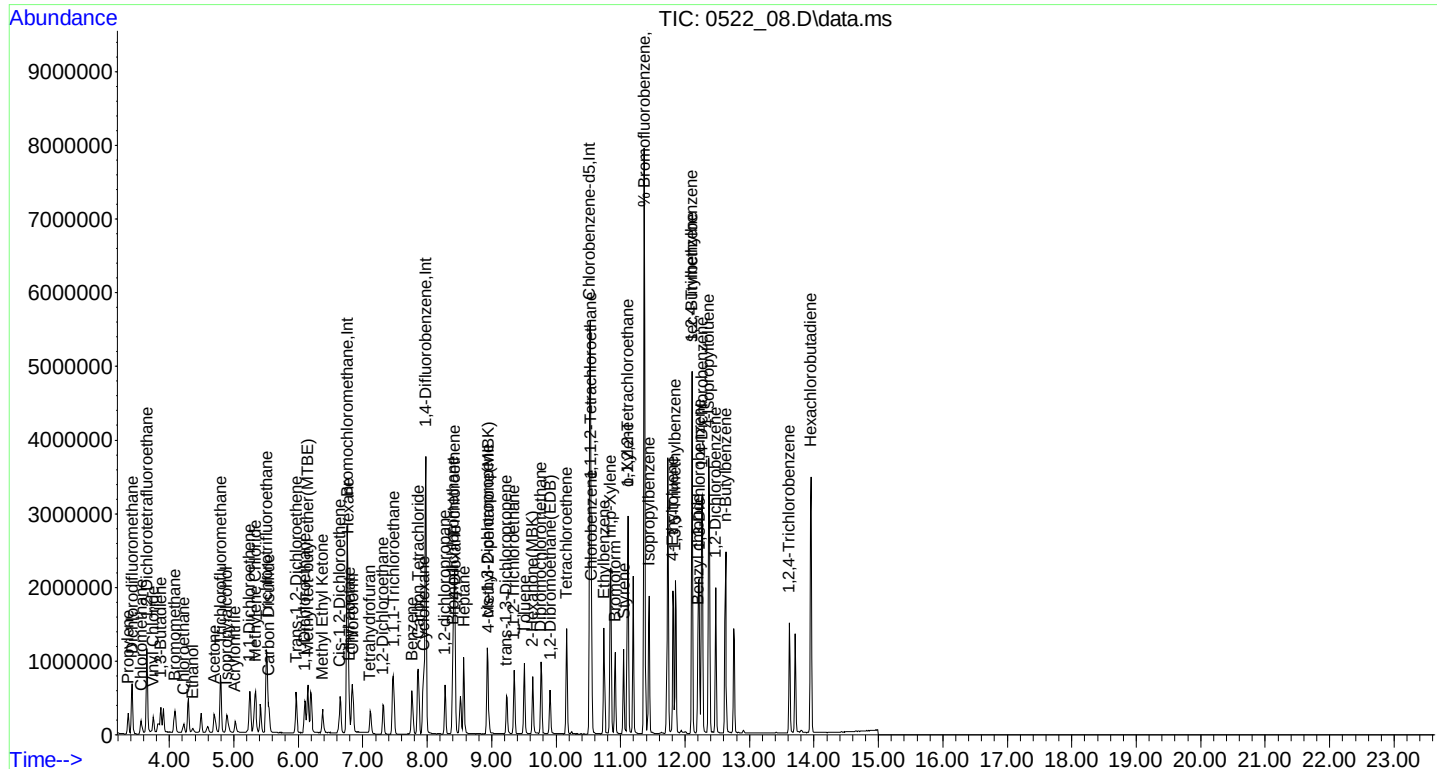
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_08.D
 Acq On : 22 May 2020 4:05 pm
 Operator :
 Client ID : ICAL 2.5
 Lab ID : 2.5
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 27 10:31:31 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon May 11 08:38:18 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_09.D
 Acq On : 22 May 2020 4:41 pm
 Operator :
 Client ID : ICAL 5
 Lab ID : 5.0
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 10:32:11 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:31:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	733293	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.976	114	2303700	10.000	ng	0.00
53) Chlorobenzene-d5	10.518	82	1335429	10.000	ng	0.00
80) Bromochloromethane(sim)	6.775	130	766966	10.000	ng	# 0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2572731	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1434279	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 11.369 95 1999042 9.855 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 98.60%

Target Compounds

						Qvalue
2) Propylene	3.371	41	344524	5.400	ppbv	99
3) Dichlorodifluoromethane	3.436	85	1426216	5.620	ppbv	100
4) Chloromethane	3.576	50	418638	5.416	ppbv	100
5) 1,2-Dichlorotetrafluor...	3.673	85	1230104	5.537	ppbv	98
6) Vinyl Chloride	3.770	62	478706	5.342	ppbv	99
7) 1,3-Butadiene	3.878	54	359864	5.412	ppbv	93
8) Bromomethane	4.104	94	413508	5.251	ppbv	96
9) Chloroethane	4.233	64	205874	5.379	ppbv	95
11) Ethanol	4.374	45	146654	5.117	ppbv	96
12) Acetone	4.718	43	706937	5.216	ppbv	100
13) Trichlorofluoromethane	4.815	101	1412466	5.414	ppbv	99
14) Isopropylalcohol	4.912	45	788056	5.255	ppbv	94
15) Acrylonitrile	5.042	53	298543	5.336	ppbv	99
16) 1,1-Dichloroethene	5.266	61	945569	5.358	ppbv	97
17) Methylene Chloride	5.352	49	489759	5.186	ppbv	97
20) Carbon Disulfide	5.559	76	1054183	5.329	ppbv	99
21) Trichlorotrifluoroethane	5.525	101	919596	5.389	ppbv	99
22) Trans-1,2-Dichloroethene	5.982	61	720888	5.391	ppbv	98
23) 1,1-Dichloroethane	6.117	63	854168	5.352	ppbv	99
24) Methyl tert-butyl ethe...	6.156	73	1148737	5.281	ppbv	99
25) Methyl Ethyl Ketone	6.385	43	786149	5.448	ppbv	98
26) Cis-1,2-Dichloroethene	6.665	61	738625	5.410	ppbv	98
27) Hexane	6.780	57	627186	5.384	ppbv	96
28) Chloroform	6.853	83	988373	5.452	ppbv	100
29) Ethyl acetate	6.801	61	155010	5.191	ppbv	94
30) Tetrahydrofuran	7.124	42	375143	5.514	ppbv#	84
31) 1,2-Dichloroethane	7.321	62	797074	5.378	ppbv	99
32) 1,1,1-Trichloroethane	7.488	97	1028146	5.386	ppbv	99
33) Benzene	7.776	78	905607	5.479	ppbv	99
34) Carbon Tetrachloride	7.865	117	1178518	5.410	ppbv	97
35) Cyclohexane	7.943	84	337231	4.903	ppbv	96
37) 1,2-dichloropropane	8.288	63	421161	5.212	ppbv	98
38) Bromodichloromethane	8.399	83	987208	5.392	ppbv	98
39) Trichloroethene	8.422	130	491316	5.516	ppbv	98
41) 1,4-Dioxane	8.433	88	214942	5.662	ppbv	98
43) Heptane	8.578	43	775045	5.918	ppbv	98
44) cis-1,3-Dichloropropene	8.934	75	621435	5.585	ppbv	99
45) 4-Methyl-2-pentanone(M...	8.945	43	1124775	6.046	ppbv	98
46) trans-1,3-Dichloropropene	9.238	75	575524	5.550	ppbv	99
47) 1,1,2-Trichloroethane	9.345	97	426935	5.336	ppbv	99
48) Toluene	9.510	91	1204627	5.676	ppbv	99
49) Dibromochloromethane	9.772	129	950404	5.429	ppbv	100
50) 2-Hexanone(MBK)	9.636	43	998812	5.979	ppbv	97
51) 1,2-Dibromoethane(EDB)	9.908	107	711304	5.422	ppbv	100

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_09.D
 Acq On : 22 May 2020 4:41 pm
 Operator :
 Client ID : ICAL 5
 Lab ID : 5.0
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 10:32:11 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:31:59 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	10.160	166	690715	5.329	ppbv	99
54)	1,1,1,2-Tetrachloroethane	10.538	131	669870	5.485	ppbv	98
55)	Chlorobenzene	10.549	112	1049653	5.377	ppbv	97
56)	Ethylbenzene	10.743	91	1727205	6.245	ppbv	99
57)	m,p-Xylene	10.846	91	3095451	13.397	ppbv	98
58)	Bromoform	10.918	173	1075631	5.642	ppbv	98
59)	Styrene	11.051	104	979505	6.198	ppbv	100
60)	1,1,2,2-Tetrachloroethane	11.112	83	1054797	5.582	ppbv	97
61)	o-Xylene	11.112	91	1628843	6.308	ppbv	99
64)	Isopropylbenzene	11.440	105	2145850	6.106	ppbv	99
66)	4-Ethyltoluene	11.810	105	2316335	6.432	ppbv	100
67)	1,3,5-Trimethylbenzene	11.851	105	2136462	6.507	ppbv	99
68)	1,2,4-Trimethylbenzene	12.107	105	2153808	6.566	ppbv	99
70)	Benzyl chloride	12.200	91	1603225	5.840	ppbv	99
71)	1,3-Dichlorobenzene	12.220	146	1380953	5.721	ppbv	99
72)	1,4-Dichlorobenzene	12.261	146	1250812	5.723	ppbv	99
73)	sec-Butylbenzene	12.107	105	2153808	6.566	ppbv	99
74)	4-Isopropyltoluene	12.364	119	2782945	6.709	ppbv	98
75)	1,2-Dichlorobenzene	12.477	146	1304201	5.602	ppbv	99
76)	n-Butylbenzene	12.631	91	2428933	6.672	ppbv	99
77)	1,2,4-Trichlorobenzene	13.616	180	940691	5.160	ppbv	99
79)	Hexachlorobutadiene	13.954	225	1370237	5.431	ppbv	98
81)	1,2-Dichlorotetrafluor...	3.673	85	1226928	5.357	ppbv	98
82)	Vinyl Chloride(sim)	3.765	62	540544	5.395	ppbv	100
83)	Bromomethane(sim)	4.104	94	413508	4.841	ppbv	96
84)	Trichlorofluoromethane...	4.821	101	1486851	5.229	ppbv#	100
85)	1,2-Dichloroethane(sim)	7.321	62	797074	5.293	ppbv	100
86)	1,1,1-Trichloroethane(...	7.483	97	1124063	5.219	ppbv#	100
87)	Carbon Tetrachloride(sim)	7.865	117	1178300	5.424	ppbv	97
88)	1,1-Dichloroethene(sim)	5.263	61	957942	5.118	ppbv	99
89)	Trichlorotrifluoroetha...	5.525	101	919596	5.153	ppbv#	99
90)	Trans-1,2-Dichloroethe...	5.988	61	801606	5.400	ppbv	99
91)	1,1-Dichloroethane(sim)	6.117	63	857214	4.953	ppbv	99
92)	Cis-1,2-Dichloroethene...	6.660	61	715140	5.275	ppbv	97
93)	Chloroform(sim)	6.853	83	987997	4.951	ppbv	99
95)	1,2-dichloropropane(sim)	8.288	63	421161	4.873	ppbv	98
96)	Bromodichloromethane(sim)	8.405	83	1058398	5.193	ppbv	100
97)	Trichloroethene(sim)	8.422	130	491863	5.441	ppbv	99
98)	1,4-Dioxane(sim)	8.427	88	239571	6.742	ppbv	99
99)	cis-1,3-Dichloropropen...	8.934	75	622068	6.440	ppbv	99
100)	1,1,2-Trichloroethane(...	9.351	97	474290	5.241	ppbv	100
101)	Dibromochloromethane(sim)	9.772	129	949806	5.704	ppbv	100
102)	1,2-Dibromoethane(EDB)...	9.914	107	780767	5.811	ppbv	100
103)	Tetrachloroethene(sim)	10.160	166	690715	5.287	ppbv	99
105)	Bromoform(sim)	10.918	173	1075636	5.870	ppbv	98
106)	m,p-Xylene(sim)	10.841	91	3380391	14.943	ppbv	99
107)	1,1,2,2-Tetrachloroeth...	11.112	83	1054797	5.563	ppbv	98
111)	1,3-Dichlorobenzene(sim)	12.220	146	1380953	6.368	ppbv	99
112)	1,4-Dichlorobenzene(sim)	12.267	146	1362166	6.695	ppbv	100
113)	sec-Butylbenzene(sim)	12.107	105	2153347	5.717	ppbv	99
114)	4-Isopropyltoluene(sim)	12.369	119	2985702	5.623	ppbv	99
115)	1,2-Dichlorobenzene(sim)	12.477	146	1304039	6.104	ppbv	99
116)	n-Butylbenzene(sim)	12.626	91	2640286	5.743	ppbv	99
117)	1,2,4-Trichlorobenzene...	13.616	180	941919	6.061	ppbv	99
119)	Hexachlorobutadiene(sim)	13.954	225	1370033	5.085	ppbv	98

Quantitation Report (RF) (QT Reviewed)

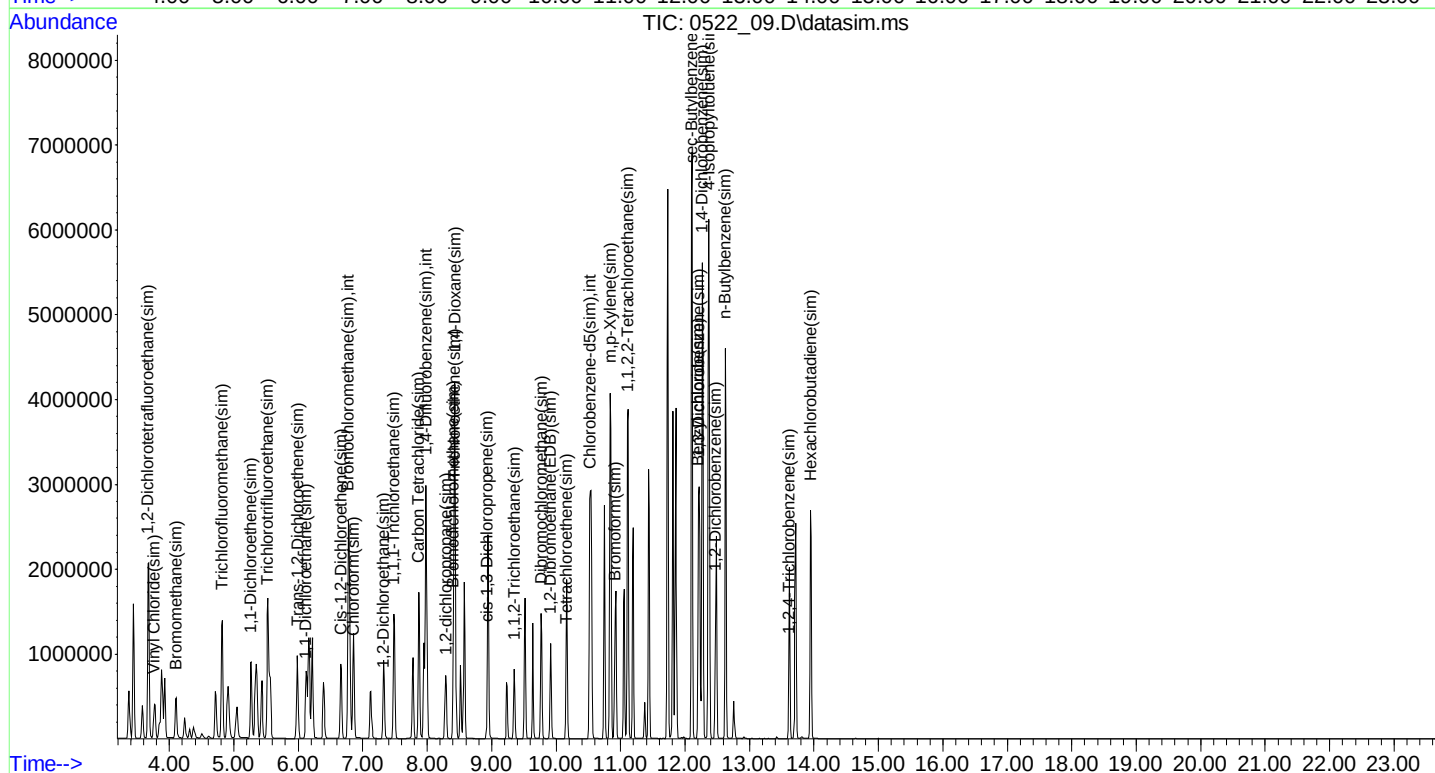
Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_09.D
 Acq On : 22 May 2020 4:41 pm
 Operator :
 Client ID : ICAL 5
 Lab ID : 5.0
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 27 10:32:11 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:31:59 2020
 Response via : Initial Calibration

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

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

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Data Path : H:\AIR2020\CHEM20\05MAY\22\  
Data File : 0522_09.D  
Acq On : 22 May 2020 4:41 pm  
Operator :  
Client ID : ICAL 5  
Lab ID : 5.0  
ALS Vial : 9 Sample Multiplier: 1
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[illegible]

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_10.D
 Acq On : 22 May 2020 5:19 pm
 Operator :
 Client ID : ICAL 25
 Lab ID : 25
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 27 10:32:44 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:32:36 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.780	130	721646	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.987	114	2333124	10.000	ng	0.01
53) Chlorobenzene-d5	10.528	82	1574083	10.000	ng	0.01
80) Bromochloromethane(sim)	6.785	130	752996	10.000	ng	# 0.01
94) 1,4-Difluorobenzene(sim)	7.993	114	2610504	10.000	ng	0.01
104) Chlorobenzene-d5(sim)	10.524	82	1710994	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 11.369 95 2144349 9.034 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 90.30%

Target Compounds

						Qvalue
2) Propylene	3.371	41	1702634	27.116	ppbv	97
3) Dichlorodifluoromethane	3.436	85	6574637	26.325	ppbv	99
4) Chloromethane	3.576	50	1995536	26.233	ppbv	98
5) 1,2-Dichlorotetrafluor...	3.662	85	5683983	25.999	ppbv	100
6) Vinyl Chloride	3.770	62	2309155	26.183	ppbv	100
7) 1,3-Butadiene	3.878	54	1706107	26.074	ppbv	98
8) Bromomethane	4.104	94	1970625	25.430	ppbv	99
9) Chloroethane	4.233	64	963255	25.576	ppbv	99
11) Ethanol	4.374	45	725632	25.727	ppbv	96
12) Acetone	4.708	43	3357061	25.170	ppbv	99
13) Trichlorofluoromethane	4.816	101	6408681	24.960	ppbv	100
14) Isopropylalcohol	4.912	45	3785858	25.654	ppbv	98
15) Acrylonitrile	5.042	53	1439950	26.152	ppbv	99
16) 1,1-Dichloroethene	5.266	61	4526810	26.063	ppbv	97
17) Methylene Chloride	5.352	49	2264357	24.363	ppbv	99
20) Carbon Disulfide	5.559	76	5132033	26.361	ppbv	99
21) Trichlorotrifluoroethane	5.525	101	4212010	25.080	ppbv	99
22) Trans-1,2-Dichloroethene	5.983	61	3404988	25.874	ppbv	98
23) 1,1-Dichloroethane	6.124	63	3990664	25.408	ppbv	100
24) Methyl tert-butyl ethe...	6.156	73	5547132	25.914	ppbv	98
25) Methyl Ethyl Ketone	6.385	43	3721459	26.204	ppbv	99
26) Cis-1,2-Dichloroethene	6.665	61	3459621	25.751	ppbv	97
27) Hexane	6.780	57	3055309	26.653	ppbv	97
28) Chloroform	6.863	83	4454363	24.969	ppbv	100
29) Ethyl acetate	6.801	61	725250	24.681	ppbv	99
30) Tetrahydrofuran	7.113	42	1938636	28.952	ppbv	99
31) 1,2-Dichloroethane	7.332	62	3832518	26.277	ppbv	100
32) 1,1,1-Trichloroethane	7.488	97	4812418	25.617	ppbv	99
33) Benzene	7.776	78	4579354	28.153	ppbv	99
34) Carbon Tetrachloride	7.876	117	5559992	25.936	ppbv	99
35) Cyclohexane	7.943	84	1754124	25.915	ppbv	94
37) 1,2-dichloropropane	8.288	63	2145475	26.217	ppbv	94
38) Bromodichloromethane	8.411	83	4825539	26.026	ppbv	100
39) Trichloroethene	8.422	130	2424191	26.874	ppbv	100
41) 1,4-Dioxane	8.422	88	1124248	29.243	ppbv	91
43) Heptane	8.578	43	3815585	28.767	ppbv	97
44) cis-1,3-Dichloropropene	8.934	75	3346355	29.697	ppbv	99
45) 4-Methyl-2-pentanone(M...	8.945	43	4994657	26.507	ppbv#	90
46) trans-1,3-Dichloropropene	9.239	75	3319567	31.610	ppbv	99
47) 1,1,2-Trichloroethane	9.355	97	2119251	26.151	ppbv	98
48) Toluene	9.510	91	6402371	29.787	ppbv	99
49) Dibromochloromethane	9.772	129	4874480	27.493	ppbv	100
50) 2-Hexanone(MBK)	9.636	43	5040623	29.796	ppbv	96
51) 1,2-Dibromoethane(EDB)	9.908	107	3764078	28.328	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_10.D
 Acq On : 22 May 2020 5:19 pm
 Operator :
 Client ID : ICAL 25
 Lab ID : 25
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 27 10:32:44 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:32:36 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Tetrachloroethene	10.161	166	3609457	27.496	ppbv	100
54) 1,1,1,2-Tetrachloroethane	10.539	131	3314878	23.027	ppbv	99
55) Chlorobenzene	10.549	112	5446275	23.670	ppbv	97
56) Ethylbenzene	10.744	91	9274053	28.450	ppbv	99
57) m,p-Xylene	10.846	91	15092961	55.417	ppbv	95
58) Bromoform	10.918	173	5831315	25.949	ppbv	99
59) Styrene	11.051	104	5687997	30.534	ppbv	99
60) 1,1,2,2-Tetrachloroethane	11.113	83	5507360	24.726	ppbv	98
61) o-Xylene	11.113	91	8529005	28.024	ppbv	99
64) Isopropylbenzene	11.440	105	10743845	25.935	ppbv	98
66) 4-Ethyltoluene	11.820	105	12579112	29.632	ppbv	100
67) 1,3,5-Trimethylbenzene	11.861	105	9888926	25.552	ppbv	91
68) 1,2,4-Trimethylbenzene	12.107	105	10923003	28.251	ppbv	97
70) Benzyl chloride	12.210	91	9643018	29.801	ppbv	99
71) 1,3-Dichlorobenzene	12.220	146	7137036	25.084	ppbv	99
72) 1,4-Dichlorobenzene	12.261	146	6800339	26.397	ppbv	99
73) sec-Butylbenzene	12.107	105	10923003	28.251	ppbv	99
74) 4-Isopropyltoluene	12.364	119	12636142	25.845	ppbv	90
75) 1,2-Dichlorobenzene	12.477	146	6902000	25.152	ppbv	98
76) n-Butylbenzene	12.631	91	11430601	26.638	ppbv	90
77) 1,2,4-Trichlorobenzene	13.616	180	5951864	27.699	ppbv	100
79) Hexachlorobutadiene	13.954	225	7368775	24.780	ppbv	100
81) 1,2-Dichlorotetrafluor...	3.662	85	5681487	25.266	ppbv	100
82) Vinyl Chloride(sim)	3.765	62	2584587	26.277	ppbv	100
83) Bromomethane(sim)	4.104	94	1970625	23.498	ppbv	99
84) Trichlorofluoromethane...	4.821	101	6683602	23.943	ppbv#	100
85) 1,2-Dichloroethane(sim)	7.332	62	3832518	25.920	ppbv	100
86) 1,1,1-Trichloroethane(...	7.494	97	5278919	24.967	ppbv#	99
87) Carbon Tetrachloride(sim)	7.876	117	5559992	26.066	ppbv	99
88) 1,1-Dichloroethene(sim)	5.272	61	4474684	24.351	ppbv	100
89) Trichlorotrifluoroetha...	5.525	101	4212010	24.040	ppbv#	99
90) Trans-1,2-Dichloroethe...	5.988	61	3821735	26.224	ppbv	100
91) 1,1-Dichloroethane(sim)	6.124	63	3994126	23.508	ppbv	100
92) Cis-1,2-Dichloroethene...	6.671	61	3302836	24.814	ppbv	100
93) Chloroform(sim)	6.863	83	4455576	22.744	ppbv	100
95) 1,2-dichloropropane(sim)	8.288	63	2145475	24.463	ppbv	94
96) Bromodichloromethane(sim)	8.405	83	5166007	24.982	ppbv	100
97) Trichloroethene(sim)	8.422	130	2423973	26.424	ppbv	98
98) 1,4-Dioxane(sim)	8.427	88	1225786	33.998	ppbv	92
99) cis-1,3-Dichloropropen...	8.934	75	3346941	34.147	ppbv	99
100) 1,1,2-Trichloroethane(...	9.351	97	2343781	25.523	ppbv	99
101) Dibromochloromethane(sim)	9.772	129	4874480	28.848	ppbv	100
102) 1,2-Dibromoethane(EDB)...	9.914	107	4116496	30.194	ppbv	100
103) Tetrachloroethene(sim)	10.161	166	3609355	27.229	ppbv	100
105) Bromoform(sim)	10.918	173	5831105	26.674	ppbv	99
106) m,p-Xylene(sim)	10.852	91	15878233	58.839	ppbv#	94
107) 1,1,2,2-Tetrachloroeth...	11.113	83	5507360	24.349	ppbv	99
111) 1,3-Dichlorobenzene(sim)	12.220	146	7137036	27.590	ppbv	99
112) 1,4-Dichlorobenzene(sim)	12.267	146	7286186	30.019	ppbv	97
113) sec-Butylbenzene(sim)	12.107	105	10923003	22.684	ppbv	99
114) 4-Isopropyltoluene(sim)	12.369	119	13140226	19.528	ppbv	90
115) 1,2-Dichlorobenzene(sim)	12.477	146	6901756	27.083	ppbv	98
116) n-Butylbenzene(sim)	12.626	91	12271926	20.829	ppbv	90
117) 1,2,4-Trichlorobenzene...	13.616	180	5951864	32.106	ppbv	100
119) Hexachlorobutadiene(sim)	13.954	225	7368055	22.923	ppbv	100

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_10.D
 Acq On : 22 May 2020 5:19 pm
 Operator :
 Client ID : ICAL 25
 Lab ID : 25
 ALS Vial : 10 Sample Multiplier: 1

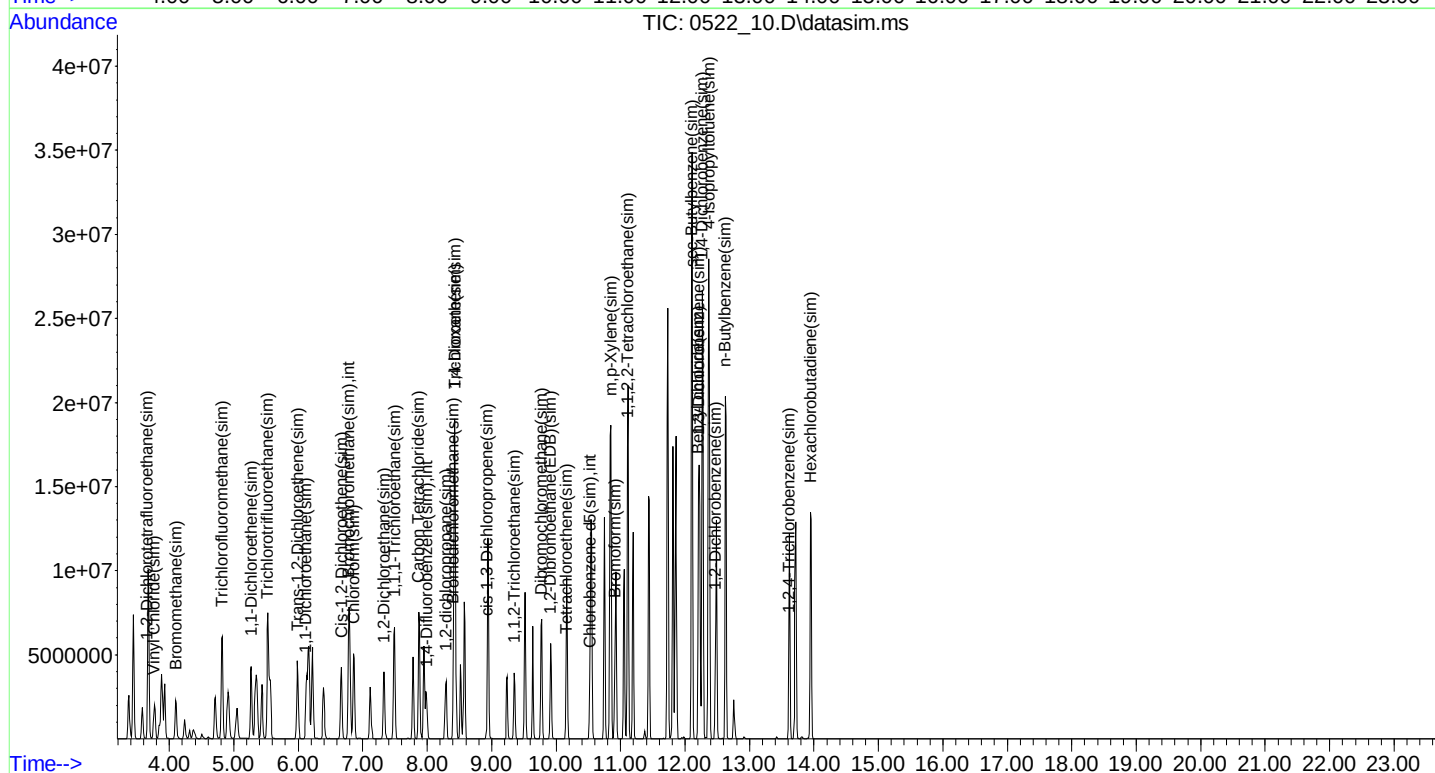
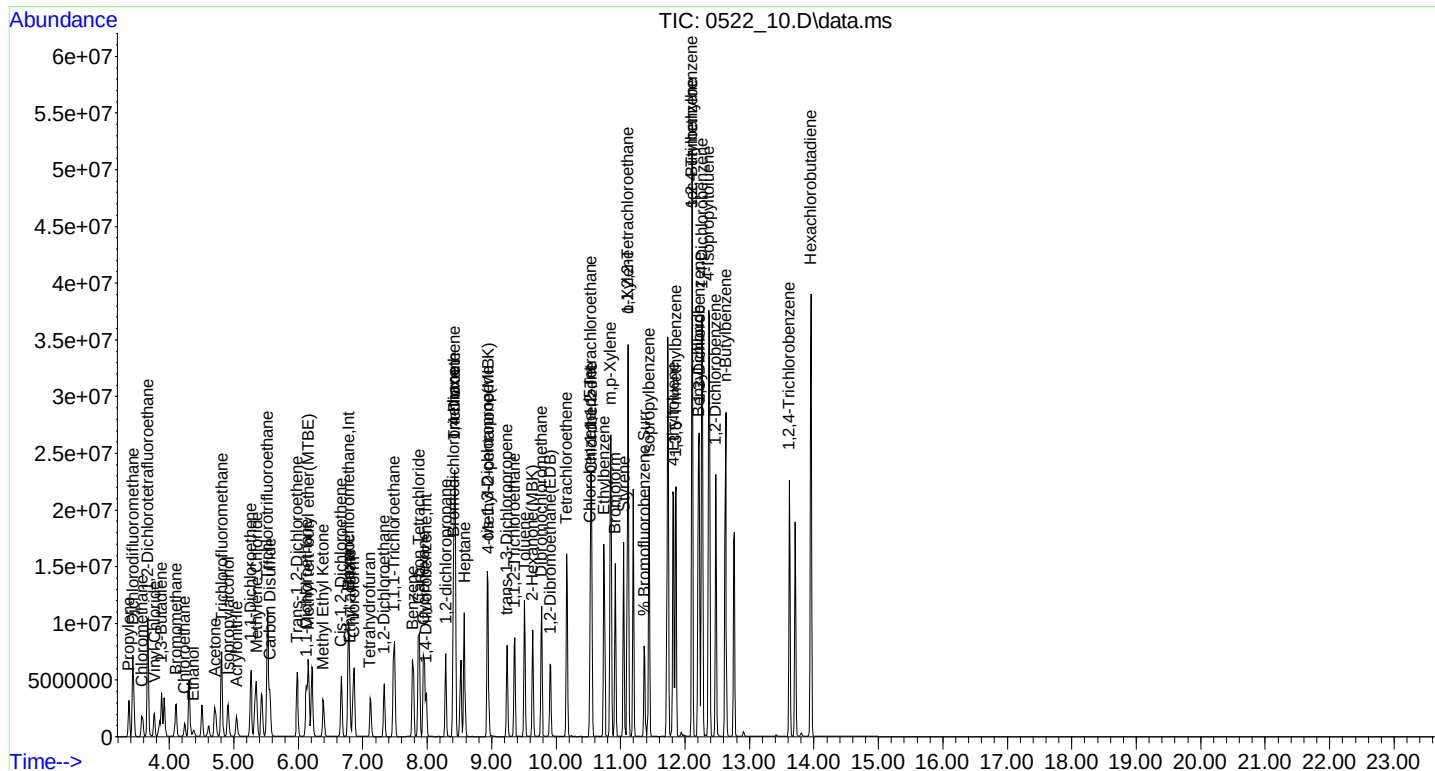
Quant Time: May 27 10:32:44 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:32:36 2020
 Response via : Initial Calibration

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

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

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Data Path : H:\AIR2020\CHEM20\05MAY\22\  
Data File : 0522_10.D  
Acq On : 22 May 2020 5:19 pm  
Operator :  
Client ID : ICAL 25  
Lab ID : 25  
ALS Vial : 10 Sample Multiplier: 1
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Quant Time: May 27 10:32:44 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed May 27 10:32:36 2020
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_11.D
 Acq On : 22 May 2020 5:59 pm
 Operator :
 Client ID : ICAL 40
 Lab ID : 40
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 27 10:33:07 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:32:56 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.780	130	738129	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.988	114	2484801	10.000	ng	0.00
53) Chlorobenzene-d5	10.528	82	1787987	10.000	ng	0.00
80) Bromochloromethane(sim)	6.785	130	777462	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.993	114	2771505	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.534	82	1940586	10.000	ng	0.01

System Monitoring Compounds
 62) % Bromofluorobenzene 11.369 95 2264675 8.679 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 86.80%

Target Compounds					Qvalue
2) Propylene	3.360	41	2785860	43.377	99
3) Dichlorodifluoromethane	3.425	85	10217831	39.999	100
4) Chloromethane	3.576	50	3295192	42.351	100
5) 1,2-Dichlorotetrafluor...	3.662	85	9380121	41.948	99
6) Vinyl Chloride	3.759	62	3928027	43.545	99
7) 1,3-Butadiene	3.878	54	2877559	42.995	100
8) Bromomethane	4.093	94	3369645	42.513	99
9) Chloroethane	4.233	64	1665315	43.229	99
11) Ethanol	4.384	45	1253413	43.448	100
12) Acetone	4.708	43	5739162	42.069	100
13) Trichlorofluoromethane	4.805	101	10307794	39.249	100
14) Isopropylalcohol	4.913	45	6416197	42.508	98
15) Acrylonitrile	5.053	53	2514607	44.650	99
16) 1,1-Dichloroethene	5.266	61	7550369	42.500	98
17) Methylene Chloride	5.352	49	3834339	40.333	99
20) Carbon Disulfide	5.559	76	8683164	43.605	100
21) Trichlorotrifluoroethane	5.525	101	7004968	40.779	100
22) Trans-1,2-Dichloroethene	5.983	61	5711878	42.434	99
23) 1,1-Dichloroethane	6.124	63	6628140	41.258	99
24) Methyl tert-butyl ethe...	6.156	73	9250747	42.251	99
25) Methyl Ethyl Ketone	6.393	43	6273882	43.191	100
26) Cis-1,2-Dichloroethene	6.665	61	5334701	38.821	97
27) Hexane	6.780	57	5023154	42.840	99
28) Chloroform	6.863	83	7185220	39.378	100
29) Ethyl acetate	6.801	61	1217109	40.495	100
30) Tetrahydrofuran	7.124	42	3253796	47.508	99
31) 1,2-Dichloroethane	7.332	62	6312801	42.316	100
32) 1,1,1-Trichloroethane	7.488	97	7922196	41.230	100
33) Benzene	7.787	78	7802328	46.895	96
34) Carbon Tetrachloride	7.876	117	9005008	41.068	100
35) Cyclohexane	7.954	84	2975286	42.975	98
37) 1,2-dichloropropane	8.288	63	3685293	42.285	96
38) Bromodichloromethane	8.411	83	7911427	40.064	99
39) Trichloroethene	8.433	130	4090105	42.574	99
41) 1,4-Dioxane	8.422	88	1928677	47.105	94
43) Heptane	8.578	43	6239129	44.168	98
44) cis-1,3-Dichloropropene	8.934	75	5756182	47.965	99
45) 4-Methyl-2-pentanone(M...	8.945	43	7852094	39.128	98
46) trans-1,3-Dichloropropene	9.239	75	5548360	49.609	99
47) 1,1,2-Trichloroethane	9.355	97	3579676	41.476	99
48) Toluene	9.510	91	10577292	46.206	98
49) Dibromochloromethane	9.772	129	8119966	43.003	100
50) 2-Hexanone(MBK)	9.636	43	8180247	45.403	97
51) 1,2-Dibromoethane(EDB)	9.918	107	6369951	45.013	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_11.D
 Acq On : 22 May 2020 5:59 pm
 Operator :
 Client ID : ICAL 40
 Lab ID : 40
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 27 10:33:07 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:32:56 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Tetrachloroethene	10.161	166	5959949	42.631	ppbv	98
54) 1,1,1,2-Tetrachloroethane	10.539	131	5387332	32.946	ppbv	98
55) Chlorobenzene	10.549	112	8998761	34.431	ppbv	98
56) Ethylbenzene	10.744	91	13493391	36.442	ppbv	92
57) m,p-Xylene	10.836	91	18935007	61.206	ppbv#	79
58) Bromoform	10.918	173	9653618	37.818	ppbv	99
59) Styrene	11.051	104	9528444	45.031	ppbv	100
60) 1,1,2,2-Tetrachloroethane	11.113	83	9026720	35.678	ppbv	99
61) o-Xylene	11.113	91	12741145	36.856	ppbv	93
64) Isopropylbenzene	11.441	105	14189565	30.155	ppbv#	89
66) 4-Ethyltoluene	11.810	105	15196308	31.515	ppbv#	79
67) 1,3,5-Trimethylbenzene	11.851	105	12421252	28.256	ppbv#	86
68) 1,2,4-Trimethylbenzene	12.107	105	13725843	31.253	ppbv#	83
70) Benzyl chloride	12.210	91	13297905	36.180	ppbv#	92
71) 1,3-Dichlorobenzene	12.220	146	11058607	34.217	ppbv	97
72) 1,4-Dichlorobenzene	12.261	146	10620549	36.294	ppbv	96
73) sec-Butylbenzene	12.107	105	13725843	31.253	ppbv#	88
74) 4-Isopropyltoluene	12.364	119	15801188	28.452	ppbv#	85
75) 1,2-Dichlorobenzene	12.477	146	10745133	34.472	ppbv	98
76) n-Butylbenzene	12.631	91	14751379	30.264	ppbv#	86
77) 1,2,4-Trichlorobenzene	13.616	180	9537103	39.074	ppbv	99
79) Hexachlorobutadiene	13.954	225	11484554	34.000	ppbv	97
81) 1,2-Dichlorotetrafluor...	3.662	85	9368323	40.350	ppbv	99
82) Vinyl Chloride(sim)	3.765	62	4363417	42.965	ppbv	100
83) Bromomethane(sim)	4.093	94	3369645	38.915	ppbv	99
84) Trichlorofluoromethane...	4.810	101	10630602	36.884	ppbv#	99
85) 1,2-Dichloroethane(sim)	7.332	62	6312801	41.351	ppbv	100
86) 1,1,1-Trichloroethane(...)	7.494	97	8598625	39.388	ppbv#	100
87) Carbon Tetrachloride(sim)	7.876	117	9006752	40.897	ppbv	100
88) 1,1-Dichloroethene(sim)	5.272	61	7432284	39.173	ppbv	98
89) Trichlorotrifluoroetha...	5.525	101	7004968	38.723	ppbv#	100
90) Trans-1,2-Dichloroethe...	5.988	61	6375203	42.368	ppbv	100
91) 1,1-Dichloroethane(sim)	6.124	63	6636136	37.829	ppbv	100
92) Cis-1,2-Dichloroethene...	6.671	61	5485851	39.917	ppbv	100
93) Chloroform(sim)	6.863	83	7185702	35.525	ppbv	100
95) 1,2-dichloropropane(sim)	8.288	63	3685285	39.580	ppbv	96
96) Bromodichloromethane(sim)	8.416	83	8452115	38.499	ppbv	99
97) Trichloroethene(sim)	8.433	130	4090215	41.998	ppbv	99
98) 1,4-Dioxane(sim)	8.427	88	2097780	54.804	ppbv	95
99) cis-1,3-Dichloropropen...	8.934	75	5758482	55.337	ppbv	99
100) 1,1,2-Trichloroethane(...)	9.361	97	3956157	40.579	ppbv	100
101) Dibromochloromethane(sim)	9.772	129	8119966	45.264	ppbv	100
102) 1,2-Dibromoethane(EDB)...	9.914	107	6927680	47.863	ppbv	100
103) Tetrachloroethene(sim)	10.161	166	5957977	42.336	ppbv	98
105) Bromoform(sim)	10.918	173	9652536	38.931	ppbv	99
106) m,p-Xylene(sim)	10.841	91	19594615	64.020	ppbv#	80
107) 1,1,2,2-Tetrachloroeth...	11.113	83	9026720	35.188	ppbv	100
111) 1,3-Dichlorobenzene(sim)	12.220	146	11058607	37.692	ppbv	97
112) 1,4-Dichlorobenzene(sim)	12.267	146	11008075	39.987	ppbv	95
113) sec-Butylbenzene(sim)	12.107	105	13725843	25.132	ppbv	88
114) 4-Isopropyltoluene(sim)	12.359	119	15571714	20.403	ppbv#	81
115) 1,2-Dichlorobenzene(sim)	12.477	146	10746696	37.182	ppbv	98
116) n-Butylbenzene(sim)	12.626	91	13932444	20.849	ppbv	76
117) 1,2,4-Trichlorobenzene...	13.616	180	9537103	45.359	ppbv	99
119) Hexachlorobutadiene(sim)	13.954	225	11484737	31.503	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_11.D
 Acq On : 22 May 2020 5:59 pm
 Operator :
 Client ID : ICAL 40
 Lab ID : 40
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 27 10:33:07 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:32:56 2020
 Response via : Initial Calibration

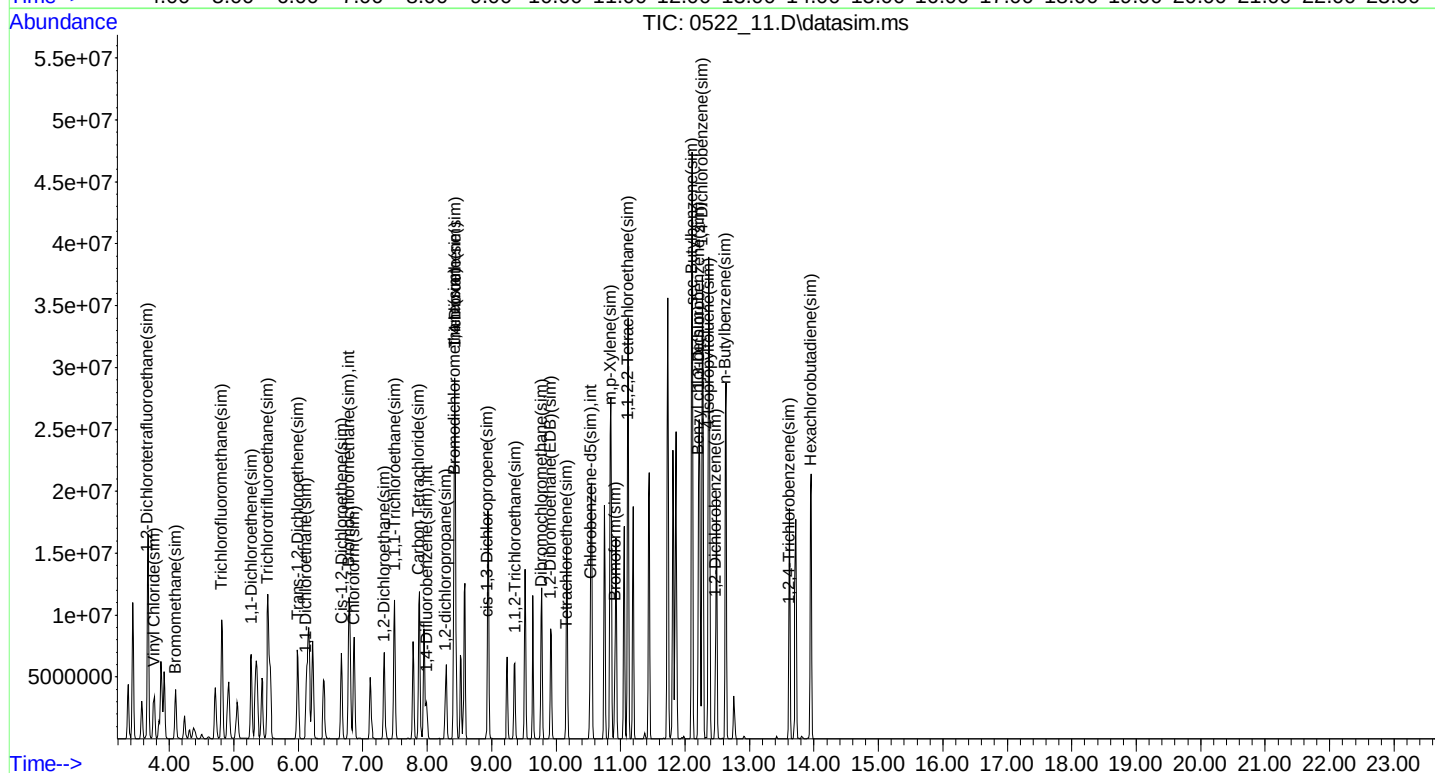
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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Data Path   : H:\AIR2020\CHEM20\05MAY\22\
Data File   : 0522_11.D
Acq On      : 22 May 2020    5:59 pm
Operator    :
Client ID   : ICAL 40
Lab ID      : 40
ALS Vial    : 11    Sample Multiplier: 1

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[illegible]

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_13.D
 Acq On : 22 May 2020 7:10 pm
 Operator :
 Client ID : ICAL 1
 Lab ID : 1.0ppb cc
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 27 10:43:33 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:42:19 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	715206	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.976	114	2275481	10.000	ng	0.00
53) Chlorobenzene-d5	10.518	82	1235836	10.000	ng	0.00
80) Bromochloromethane(sim)	6.775	130	756049	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.982	114	2535309	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.523	82	1353847	10.000	ng	0.00

System Monitoring Compounds
 62) % Bromofluorobenzene 11.369 95 1838642 10.337 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	3.371	41	59061	0.949	ppbv#	79
3) Dichlorodifluoromethane	3.436	85	236485	0.955	ppbv	99
4) Chloromethane	3.576	50	73575	0.976	ppbv	91
5) 1,2-Dichlorotetrafluor...	3.673	85	213305	0.984	ppbv	98
6) Vinyl Chloride	3.770	62	81255	0.930	ppbv	82
7) 1,3-Butadiene	3.878	54	63783	0.984	ppbv	86
8) Bromomethane	4.104	94	76387	0.995	ppbv#	83
9) Chloroethane	4.233	64	36393	0.975	ppbv	90
11) Ethanol	4.395	45	28431	1.017	ppbv#	66
12) Acetone	4.729	43	135463	1.025	ppbv	98
13) Trichlorofluoromethane	4.815	101	258121	1.014	ppbv#	92
14) Isopropylalcohol	4.923	45	153283	1.048	ppbv#	95
15) Acrylonitrile	5.042	53	58391m	1.070	ppbv	1
16) 1,1-Dichloroethene	5.266	61	174588	1.014	ppbv	92
17) Methylene Chloride	5.352	49	93376	1.014	ppbv	98
20) Carbon Disulfide	5.559	76	191380	0.992	ppbv	98
21) Trichlorotrifluoroethane	5.524	101	167872	1.009	ppbv	95
22) Trans-1,2-Dichloroethene	5.982	61	130800	1.003	ppbv	97
23) 1,1-Dichloroethane	6.116	63	158997	1.021	ppbv	99
24) Methyl tert-butyl ethe...	6.164	73	205004	0.966	ppbv	93
25) Methyl Ethyl Ketone	6.392	43	144387	1.026	ppbv	93
26) Cis-1,2-Dichloroethene	6.655	61	141346	1.062	ppbv	90
27) Hexane	6.780	57	113084	0.995	ppbv	99
28) Chloroform	6.853	83	181264	1.025	ppbv	83
29) Ethyl acetate	6.801	61	30889	1.061	ppbv#	68
30) Tetrahydrofuran	7.134	42	65234	0.983	ppbv#	92
31) 1,2-Dichloroethane	7.321	62	146775	1.015	ppbv#	89
32) 1,1,1-Trichloroethane	7.478	97	187938	1.009	ppbv	96
33) Benzene	7.776	78	164064	1.018	ppbv	96
34) Carbon Tetrachloride	7.865	117	213715	1.006	ppbv	95
35) Cyclohexane	7.943	84	67768	1.010	ppbv#	43
37) 1,2-dichloropropane	8.288	63	76876	0.963	ppbv	98
38) Bromodichloromethane	8.399	83	170930	0.945	ppbv	97
39) Trichloroethene	8.422	130	86645	0.985	ppbv	94
41) 1,4-Dioxane	8.433	88	34389	0.917	ppbv#	61
43) Heptane	8.578	43	120686	0.933	ppbv#	92
44) cis-1,3-Dichloropropene	8.934	75	93115	0.847	ppbv	99
45) 4-Methyl-2-pentanone(M...	8.945	43	179323	0.976	ppbv	99
46) trans-1,3-Dichloropropene	9.238	75	86762	0.847	ppbv	95
47) 1,1,2-Trichloroethane	9.345	97	77340	0.979	ppbv	88
48) Toluene	9.510	91	184343	0.879	ppbv	96
49) Dibromochloromethane	9.762	129	166412	0.962	ppbv	96
50) 2-Hexanone(MBK)	9.636	43	143565	0.870	ppbv#	94
51) 1,2-Dibromoethane(EDB)	9.908	107	119704	0.924	ppbv	93

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_13.D
 Acq On : 22 May 2020 7:10 pm
 Operator :
 Client ID : ICAL 1
 Lab ID : 1.0ppb cc
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 27 10:43:33 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:42:19 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	10.160	166	122295	0.955	ppbv	98
54)	1,1,1,2-Tetrachloroethane	10.538	131	121859	1.078	ppbv	89
55)	Chlorobenzene	10.549	112	193384	1.071	ppbv#	30
56)	Ethylbenzene	10.743	91	237886	0.930	ppbv	99
57)	m,p-Xylene	10.846	91	450275	2.106	ppbv	94
58)	Bromoform	10.918	173	167204	0.948	ppbv	93
59)	Styrene	11.051	104	119729	0.819	ppbv	98
60)	1,1,2,2-Tetrachloroethane	11.112	83	186140	1.064	ppbv#	89
61)	o-Xylene	11.112	91	231726	0.970	ppbv	95
64)	Isopropylbenzene	11.440	105	327924	1.008	ppbv	97
66)	4-Ethyltoluene	11.810	105	318881	0.957	ppbv	98
67)	1,3,5-Trimethylbenzene	11.851	105	317306	1.044	ppbv	98
68)	1,2,4-Trimethylbenzene	12.107	105	303162	0.999	ppbv	88
70)	Benzyl chloride	12.199	91	247491	0.974	ppbv	100
71)	1,3-Dichlorobenzene	12.220	146	235610	1.055	ppbv	96
72)	1,4-Dichlorobenzene	12.261	146	204899	1.013	ppbv#	93
73)	sec-Butylbenzene	12.107	105	303162	0.999	ppbv#	91
74)	4-Isopropyltoluene	12.364	119	386181	1.006	ppbv	98
75)	1,2-Dichlorobenzene	12.477	146	222471	1.033	ppbv	96
76)	n-Butylbenzene	12.630	91	328595	0.975	ppbv	92
77)	1,2,4-Trichlorobenzene	13.616	180	165902	0.983	ppbv	91
79)	Hexachlorobutadiene	13.954	225	240310	1.029	ppbv	98
81)	1,2-Dichlorotetrafluor...	3.673	85	213161	0.944	ppbv	97
82)	Vinyl Chloride(sim)	3.765	62	93609	0.948	ppbv	97
83)	Bromomethane(sim)	4.104	94	76387	0.907	ppbv#	83
84)	Trichlorofluoromethane...	4.821	101	269920	0.963	ppbv#	100
85)	1,2-Dichloroethane(sim)	7.321	62	146776	0.989	ppbv#	89
86)	1,1,1-Trichloroethane(...	7.483	97	208683	0.983	ppbv#	99
87)	Carbon Tetrachloride(sim)	7.865	117	213709	0.998	ppbv	95
88)	1,1-Dichloroethene(sim)	5.263	61	176536	0.957	ppbv	94
89)	Trichlorotrifluoroetha...	5.524	101	167872	0.954	ppbv#	95
90)	Trans-1,2-Dichloroethe...	5.988	61	145666	0.995	ppbv	97
91)	1,1-Dichloroethane(sim)	6.116	63	158997	0.932	ppbv	99
92)	Cis-1,2-Dichloroethene...	6.660	61	129759	0.971	ppbv	96
93)	Chloroform(sim)	6.853	83	181264	0.922	ppbv#	83
95)	1,2-dichloropropane(sim)	8.288	63	76876	0.903	ppbv	99
96)	Bromodichloromethane(sim)	8.405	83	190852	0.950	ppbv	99
97)	Trichloroethene(sim)	8.422	130	86524	0.971	ppbv	90
98)	1,4-Dioxane(sim)	8.438	88	38255	1.093	ppbv#	85
99)	cis-1,3-Dichloropropen...	8.934	75	93703	0.984	ppbv	99
100)	1,1,2-Trichloroethane(...	9.351	97	86331	0.968	ppbv	99
101)	Dibromochloromethane(sim)	9.762	129	166412	1.014	ppbv	97
102)	1,2-Dibromoethane(EDB)...	9.914	107	130987	0.989	ppbv	98
103)	Tetrachloroethene(sim)	10.160	166	122295	0.950	ppbv	97
105)	Bromoform(sim)	10.918	173	167204	0.967	ppbv	92
106)	m,p-Xylene(sim)	10.841	91	492086	2.305	ppbv	96
107)	1,1,2,2-Tetrachloroeth...	11.112	83	186140	1.040	ppbv	95
110)	Benzyl chloride(sim)	12.205	91	270170	1.114	ppbv	97
111)	1,3-Dichlorobenzene(sim)	12.220	146	235610	1.151	ppbv	96
112)	1,4-Dichlorobenzene(sim)	12.267	146	224166	1.167	ppbv	96
113)	sec-Butylbenzene(sim)	12.107	105	302713	1.066	ppbv	91
114)	4-Isopropyltoluene(sim)	12.369	119	421003	1.048	ppbv	99
115)	1,2-Dichlorobenzene(sim)	12.477	146	222471	1.103	ppbv	97
116)	n-Butylbenzene(sim)	12.626	91	358204	1.049	ppbv	99
117)	1,2,4-Trichlorobenzene...	13.616	180	165902	1.131	ppbv	92
119)	Hexachlorobutadiene(sim)	13.954	225	240159	0.944	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_13.D
 Acq On : 22 May 2020 7:10 pm
 Operator :
 Client ID : ICAL 1
 Lab ID : 1.0ppb cc
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 27 10:43:33 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:42:19 2020
 Response via : Initial Calibration

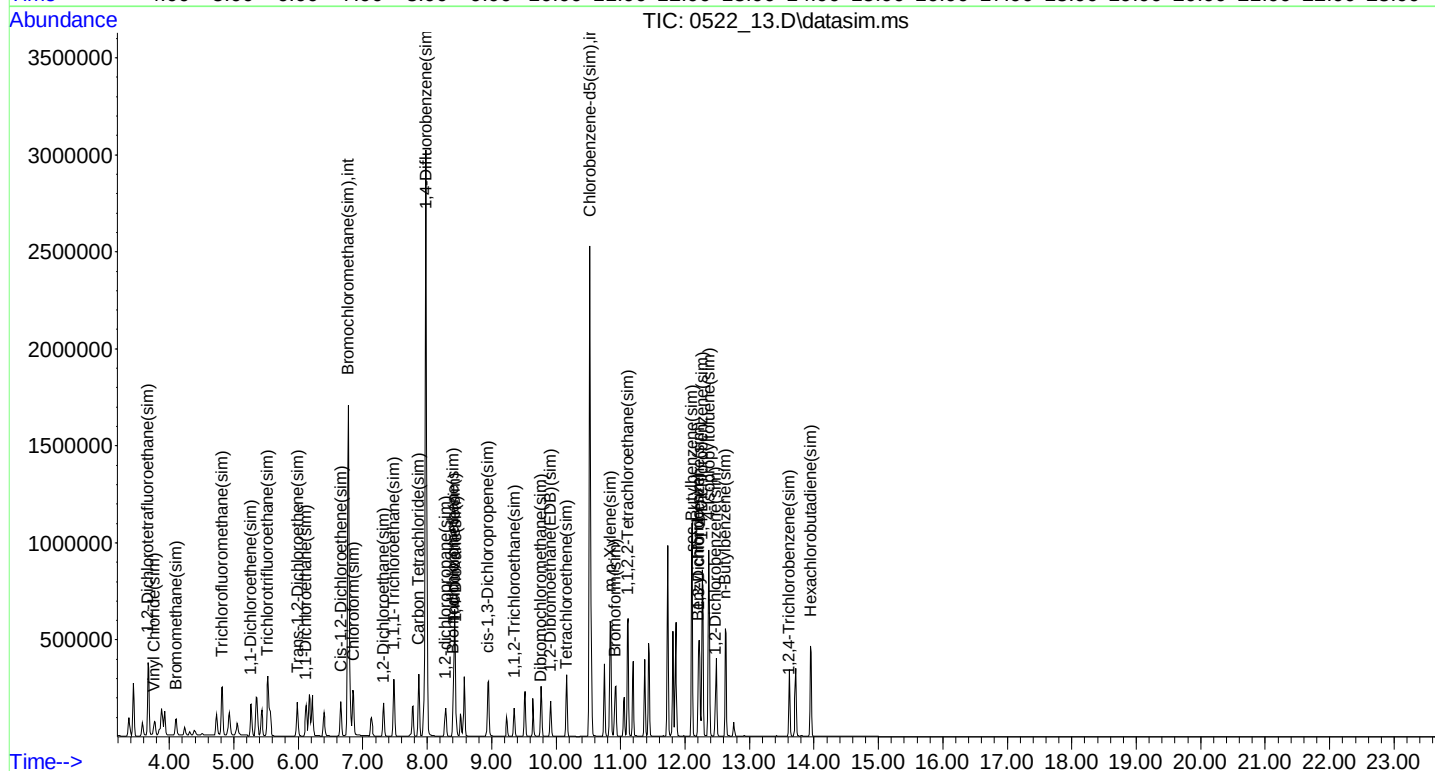
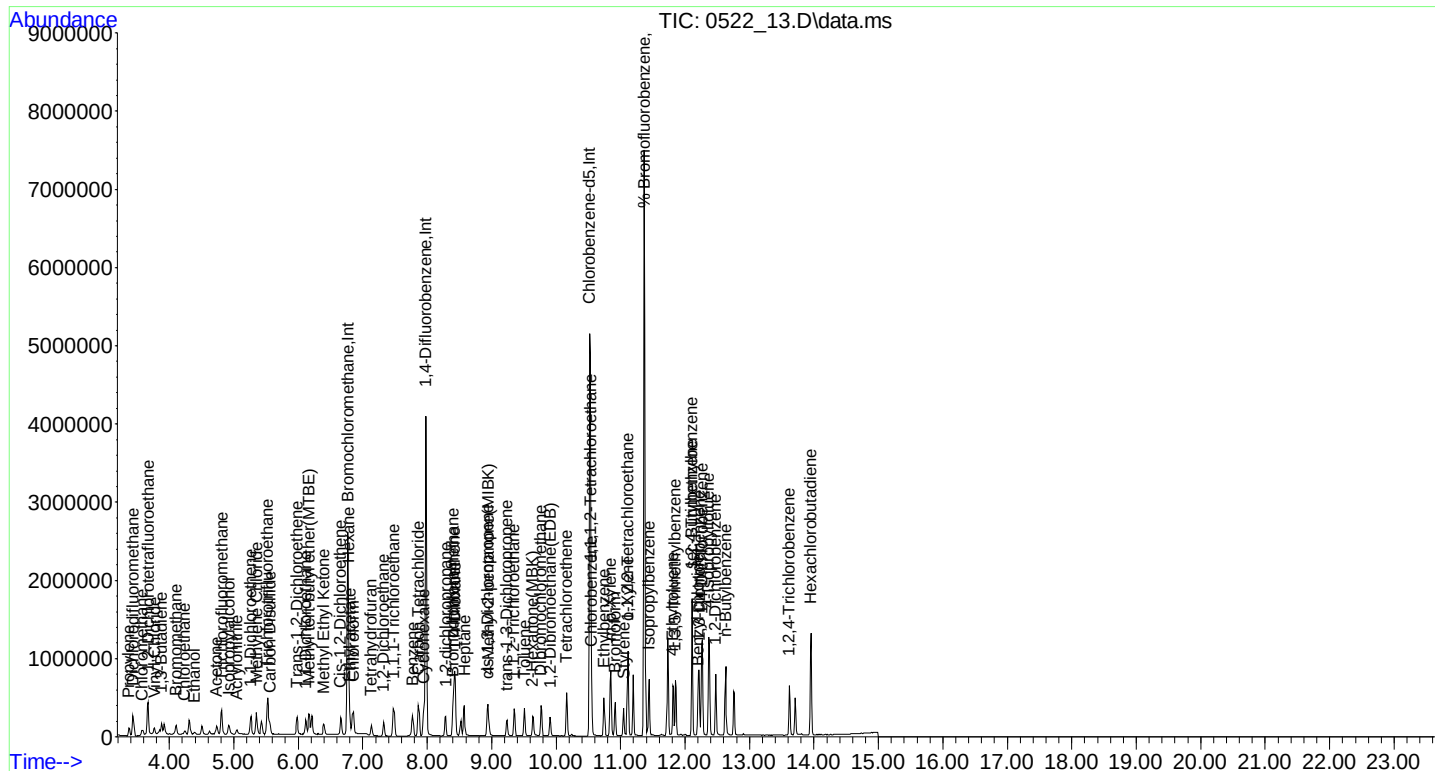
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_13.D
 Acq On : 22 May 2020 7:10 pm
 Operator :
 Client ID : ICAL 1
 Lab ID : 1.0ppb cc
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 27 10:43:33 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:42:19 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_14.D
 Acq On : 22 May 2020 7:47 pm
 Operator :
 Client ID : ICAL 0.2
 Lab ID : 0.2ppb
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 27 10:34:24 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:34:13 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.780	130	746656	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.987	114	2214580	10.000	ng	0.01
53) Chlorobenzene-d5	10.518	82	1219577	10.000	ng	0.00
80) Bromochloromethane(sim)	6.785	130	762019	10.000	ng	# 0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2475173	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1323328	10.000	ng	0.00

System Monitoring Compounds
 62) % Bromofluorobenzene 11.369 95 1740767 10.006 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	3.393	41	12344	0.190	ppbv	97
3) Dichlorodifluoromethane	3.447	85	48060	0.186	ppbv	99
4) Chloromethane	3.598	50	16736	0.213	ppbv	94
5) 1,2-Dichlorotetrafluor...	3.684	85	42486	0.188	ppbv	98
6) Vinyl Chloride	3.792	62	18779	0.206	ppbv	94
7) 1,3-Butadiene	3.899	54	14815	0.219	ppbv	95
8) Bromomethane	4.126	94	16181	0.202	ppbv#	90
9) Chloroethane	4.266	64	7931	0.204	ppbv	88
11) Ethanol	4.427	45	6682	0.229	ppbv#	47
12) Acetone	4.772	43	27249	0.197	ppbv	91
13) Trichlorofluoromethane	4.826	101	48230	0.182	ppbv#	95
14) Isopropylalcohol	4.945	45	30330	0.199	ppbv#	94
15) Acrylonitrile	5.085	53	12283	0.216	ppbv#	81
16) 1,1-Dichloroethene	5.283	61	30959	0.172	ppbv	97
17) Methylene Chloride	5.369	49	21785	0.227	ppbv	96
20) Carbon Disulfide	5.576	76	37849	0.188	ppbv	99
21) Trichlorotrifluoroethane	5.542	101	32933	0.190	ppbv	97
22) Trans-1,2-Dichloroethene	5.990	61	26025	0.191	ppbv	99
23) 1,1-Dichloroethane	6.132	63	32457	0.200	ppbv	94
24) Methyl tert-butyl ethe...	6.188	73	45675	0.206	ppbv	96
25) Methyl Ethyl Ketone	6.416	43	28114	0.191	ppbv	95
26) Cis-1,2-Dichloroethene	6.665	61	27400	0.197	ppbv	96
27) Hexane	6.790	57	22216	0.187	ppbv#	98
28) Chloroform	6.853	83	35304	0.191	ppbv	95
29) Ethyl acetate	6.822	61	6417	0.211	ppbv	90
30) Tetrahydrofuran	7.155	42	11827	0.171	ppbv#	93
31) 1,2-Dichloroethane	7.332	62	27734	0.184	ppbv#	91
32) 1,1,1-Trichloroethane	7.488	97	37686	0.194	ppbv	95
33) Benzene	7.776	78	28370	0.169	ppbv	93
34) Carbon Tetrachloride	7.876	117	40068	0.181	ppbv	98
35) Cyclohexane	7.976	84	29125	0.416	ppbv#	68
37) 1,2-dichloropropane	8.288	63	16467	0.212	ppbv	93
38) Bromodichloromethane	8.411	83	34214	0.194	ppbv	97
39) Trichloroethene	8.422	130	15008	0.175	ppbv	98
41) 1,4-Dioxane	8.444	88	5337	0.146	ppbv	91
43) Heptane	8.578	43	18571	0.148	ppbv#	96
44) cis-1,3-Dichloropropene	8.934	75	17899	0.167	ppbv	98
45) 4-Methyl-2-pentanone(M...	8.956	43	31242	0.175	ppbv	94
46) trans-1,3-Dichloropropene	9.239	75	14541	0.146	ppbv	97
47) 1,1,2-Trichloroethane	9.355	97	14143	0.184	ppbv	97
48) Toluene	9.510	91	30311	0.149	ppbv	99
49) Dibromochloromethane	9.763	129	28573	0.170	ppbv	95
50) 2-Hexanone(MBK)	9.646	43	22716	0.141	ppbv	96
51) 1,2-Dibromoethane(EDB)	9.908	107	21248	0.168	ppbv	94

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_14.D
 Acq On : 22 May 2020 7:47 pm
 Operator :
 Client ID : ICAL 0.2
 Lab ID : 0.2ppb
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 27 10:34:24 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:34:13 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	10.161	166	21829	0.175	ppbv	96
54)	1,1,1,2-Tetrachloroethane	10.539	131	21245	0.190	ppbv	90
55)	Chlorobenzene	10.549	112	35878	0.201	ppbv#	50
56)	Ethylbenzene	10.744	91	37789	0.150	ppbv	99
57)	m,p-Xylene	10.846	91	60526	0.287	ppbv	96
58)	Bromoform	10.918	173	32980	0.189	ppbv	96
59)	Styrene	11.051	104	19612	0.136	ppbv	98
60)	1,1,2,2-Tetrachloroethane	11.113	83	32575	0.189	ppbv#	88
61)	o-Xylene	11.113	91	29181	0.124	ppbv#	97
64)	Isopropylbenzene	11.440	105	52274	0.163	ppbv	96
66)	4-Ethyltoluene	11.810	105	41881	0.127	ppbv#	97
67)	1,3,5-Trimethylbenzene	11.851	105	38179	0.127	ppbv	95
68)	1,2,4-Trimethylbenzene	12.107	105	35551	0.119	ppbv	97
70)	Benzyl chloride	12.200	91	42536	0.170	ppbv	97
71)	1,3-Dichlorobenzene	12.220	146	40526	0.184	ppbv	93
72)	1,4-Dichlorobenzene	12.261	146	36165	0.181	ppbv	97
73)	sec-Butylbenzene	12.107	105	35551	0.119	ppbv	99
74)	4-Isopropyltoluene	12.364	119	46398	0.122	ppbv	96
75)	1,2-Dichlorobenzene	12.477	146	40419	0.190	ppbv	99
76)	n-Butylbenzene	12.631	91	43108	0.130	ppbv	96
77)	1,2,4-Trichlorobenzene	13.616	180	41907	0.252	ppbv	96
79)	Hexachlorobutadiene	13.954	225	42556	0.185	ppbv	97
81)	1,2-Dichlorotetrafluor...	3.684	85	42491	0.187	ppbv	98
82)	Vinyl Chloride(sim)	3.786	62	18843	0.189	ppbv	99
83)	Bromomethane(sim)	4.126	94	16181	0.191	ppbv#	91
84)	Trichlorofluoromethane...	4.832	101	53575	0.190	ppbv#	99
85)	1,2-Dichloroethane(sim)	7.332	62	27734	0.185	ppbv#	91
86)	1,1,1-Trichloroethane(...)	7.494	97	39773	0.186	ppbv#	99
87)	Carbon Tetrachloride(sim)	7.876	117	39799	0.184	ppbv	98
88)	1,1-Dichloroethene(sim)	5.280	61	35868	0.193	ppbv	97
89)	Trichlorotrifluoroetha...	5.542	101	32933	0.186	ppbv#	96
90)	Trans-1,2-Dichloroethe...	5.996	61	27794	0.188	ppbv	100
91)	1,1-Dichloroethane(sim)	6.132	63	32457	0.189	ppbv	95
92)	Cis-1,2-Dichloroethene...	6.671	61	25880	0.192	ppbv	98
93)	Chloroform(sim)	6.853	83	35304	0.178	ppbv	95
95)	1,2-dichloropropane(sim)	8.288	63	16467	0.198	ppbv	93
96)	Bromodichloromethane(sim)	8.405	83	35869	0.183	ppbv	100
97)	Trichloroethene(sim)	8.422	130	15008	0.173	ppbv	95
98)	1,4-Dioxane(sim)	8.450	88	5689	0.166	ppbv#	91
99)	cis-1,3-Dichloropropen...	8.934	75	17899	0.193	ppbv	98
100)	1,1,2-Trichloroethane(...)	9.351	97	16064	0.184	ppbv	99
101)	Dibromochloromethane(sim)	9.763	129	28573	0.178	ppbv	95
102)	1,2-Dibromoethane(EDB)...	9.914	107	23731	0.184	ppbv	98
103)	Tetrachloroethene(sim)	10.161	166	21448	0.171	ppbv	94
105)	Bromoform(sim)	10.918	173	32841	0.194	ppbv	96
106)	m,p-Xylene(sim)	10.841	91	65830	0.315	ppbv	97
107)	1,1,2,2-Tetrachloroeth...	11.113	83	32458	0.186	ppbv	96
110)	Benzyl chloride(sim)	12.205	91	47608	0.202	ppbv	99
111)	1,3-Dichlorobenzene(sim)	12.220	146	40526	0.203	ppbv	93
112)	1,4-Dichlorobenzene(sim)	12.267	146	37765	0.201	ppbv	97
113)	sec-Butylbenzene(sim)	12.107	105	35551	0.102	ppbv	99
114)	4-Isopropyltoluene(sim)	12.369	119	50166	0.104	ppbv	98
115)	1,2-Dichlorobenzene(sim)	12.477	146	40419	0.205	ppbv	99
116)	n-Butylbenzene(sim)	12.626	91	45437	0.108	ppbv	99
117)	1,2,4-Trichlorobenzene...	13.616	180	41907	0.292	ppbv	96
119)	Hexachlorobutadiene(sim)	13.954	225	42403	0.171	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_14.D
 Acq On : 22 May 2020 7:47 pm
 Operator :
 Client ID : ICAL 0.2
 Lab ID : 0.2ppb
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 27 10:34:24 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:34:13 2020
 Response via : Initial Calibration

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

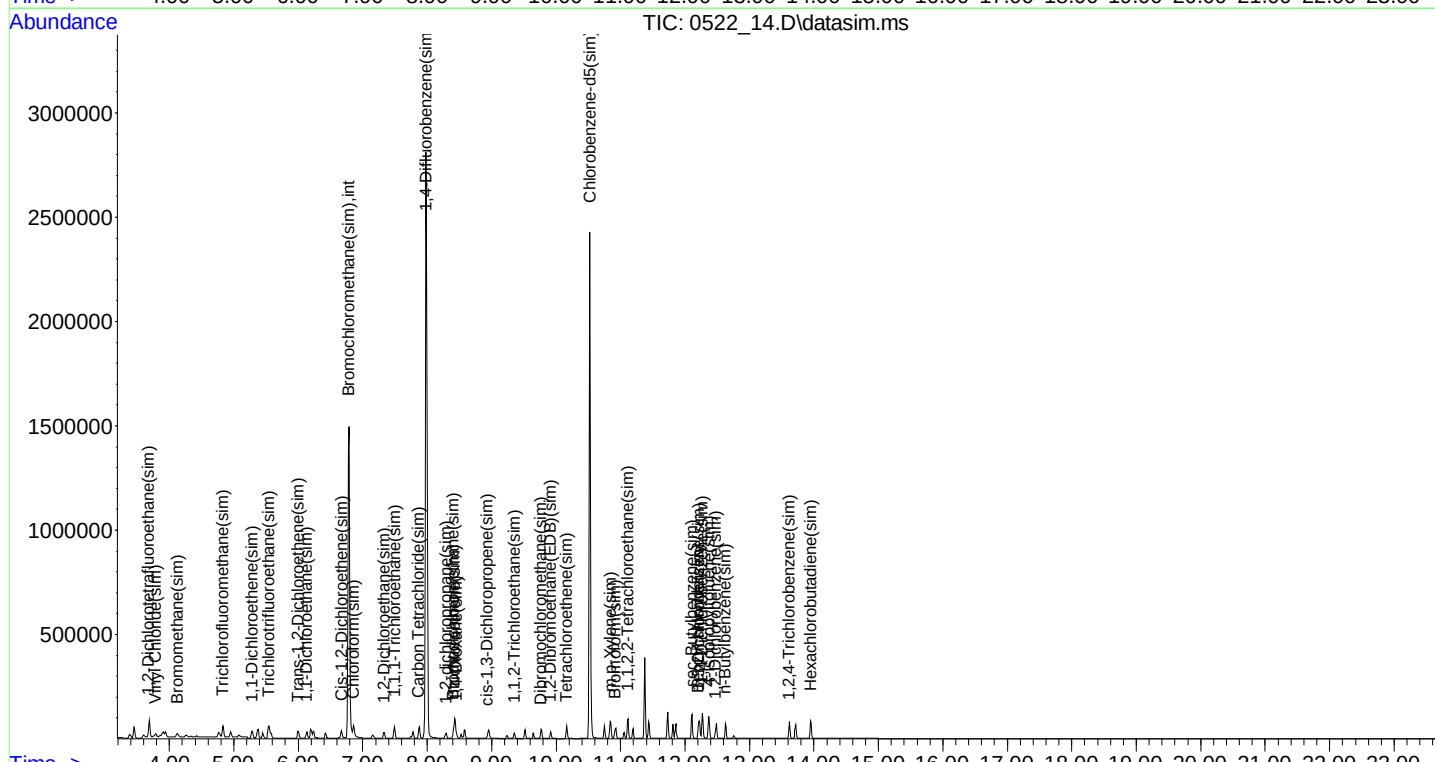
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

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Data Path : H:\AIR2020\CHEM20\05MAY\22\  
Data File : 0522_14.D  
Acq On : 22 May 2020 7:47 pm  
Operator :  
Client ID : ICAL 0.2  
Lab ID : 0.2ppb  
ALS Vial : 14 Sample Multiplier: 1
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Abundance

TIC: 0522_14.D\data.ms

Time-->



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_15.D
 Acq On : 22 May 2020 8:23 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : 10ppb cc
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 27 10:43:59 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:42:19 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.780	130	685948	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.987	114	2146495	10.000	ng	0.01
53) Chlorobenzene-d5	10.528	82	1316883	10.000	ng	0.01
80) Bromochloromethane(sim)	6.785	130	717948	10.000	ng	# 0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2408966	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1417086	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 11.369 95 1920799 10.134 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 101.30%

Target Compounds

						Qvalue
2) Propylene	3.371	41	607509	10.179	ppbv#	76
3) Dichlorodifluoromethane	3.436	85	2469006	10.400	ppbv	98
4) Chloromethane	3.576	50	717938	9.929	ppbv	90
5) 1,2-Dichlorotetrafluor...	3.673	85	2124610	10.224	ppbv	98
6) Vinyl Chloride	3.770	62	827175	9.867	ppbv	76
7) 1,3-Butadiene	3.878	54	601792	9.676	ppbv	90
8) Bromomethane	4.104	94	722141	9.804	ppbv#	84
9) Chloroethane	4.244	64	346255	9.672	ppbv	87
11) Ethanol	4.384	45	262686	9.798	ppbv#	65
12) Acetone	4.718	43	1247486	9.840	ppbv	98
13) Trichlorofluoromethane	4.816	101	2572866	10.542	ppbv#	89
14) Isopropylalcohol	4.912	45	1390955	9.916	ppbv#	89
15) Acrylonitrile	5.053	53	539973m	10.317	ppbv	1
16) 1,1-Dichloroethene	5.266	61	1699303	10.293	ppbv	93
17) Methylene Chloride	5.352	49	867761	9.822	ppbv	99
20) Carbon Disulfide	5.568	76	1904861	10.293	ppbv	97
21) Trichlorotrifluoroethane	5.533	101	1641643	10.284	ppbv	94
22) Trans-1,2-Dichloroethene	5.990	61	1289282	10.307	ppbv	96
23) 1,1-Dichloroethane	6.124	63	1513469	10.138	ppbv	100
24) Methyl tert-butyl ethe...	6.164	73	2085147	10.248	ppbv#	88
25) Methyl Ethyl Ketone	6.392	43	1380602	10.227	ppbv	94
26) Cis-1,2-Dichloroethene	6.665	61	1267919	9.929	ppbv	97
27) Hexane	6.780	57	1132353	10.392	ppbv	94
28) Chloroform	6.863	83	1747402	10.305	ppbv	82
29) Ethyl acetate	6.801	61	276997	9.917	ppbv#	70
30) Tetrahydrofuran	7.124	42	705205	11.080	ppbv	93
31) 1,2-Dichloroethane	7.332	62	1459498	10.527	ppbv#	88
32) 1,1,1-Trichloroethane	7.488	97	1857240	10.401	ppbv	97
33) Benzene	7.776	78	1664321	10.764	ppbv	97
34) Carbon Tetrachloride	7.876	117	2156653	10.584	ppbv	94
35) Cyclohexane	7.954	84	634206	9.857	ppbv#	35
37) 1,2-dichloropropane	8.288	63	787978	10.466	ppbv	95
38) Bromodichloromethane	8.411	83	1820196	10.670	ppbv	97
39) Trichloroethene	8.422	130	890551	10.731	ppbv	97
41) 1,4-Dioxane	8.422	88	409025	11.564	ppbv#	70
43) Heptane	8.578	43	1443353	11.828	ppbv#	91
44) cis-1,3-Dichloropropene	8.934	75	1196417	11.541	ppbv	98
45) 4-Methyl-2-pentanone(M...	8.945	43	1934327	11.158	ppbv#	88
46) trans-1,3-Dichloropropene	9.239	75	1149981	11.903	ppbv	94
47) 1,1,2-Trichloroethane	9.355	97	791478	10.616	ppbv	87
48) Toluene	9.510	91	2346362	11.865	ppbv	96
49) Dibromochloromethane	9.772	129	1807841	11.083	ppbv	98
50) 2-Hexanone(MBK)	9.636	43	1903389	12.229	ppbv#	87
51) 1,2-Dibromoethane(EDB)	9.908	107	1361256	11.135	ppbv	94

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_15.D
 Acq On : 22 May 2020 8:23 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : 10ppb cc
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 27 10:43:59 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:42:19 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	10.161	166	1303576	10.794	ppbv	99
54)	1,1,1,2-Tetrachloroethane	10.539	131	1250926	10.387	ppbv	89
55)	Chlorobenzene	10.549	112	1974913	10.260	ppbv#	24
56)	Ethylbenzene	10.744	91	3390810	12.434	ppbv	97
57)	m,p-Xylene	10.846	91	5899144	25.890	ppbv#	91
58)	Bromoform	10.918	173	2090258	11.118	ppbv	94
59)	Styrene	11.051	104	1977043	12.686	ppbv	95
60)	1,1,2,2-Tetrachloroethane	11.113	83	1968948	10.566	ppbv#	82
61)	o-Xylene	11.113	91	3150172	12.372	ppbv#	92
64)	Isopropylbenzene	11.440	105	4069685	11.743	ppbv	96
66)	4-Ethyltoluene	11.810	105	4533351	12.765	ppbv	96
67)	1,3,5-Trimethylbenzene	11.851	105	4096533	12.652	ppbv	98
68)	1,2,4-Trimethylbenzene	12.107	105	4212748	13.024	ppbv	89
70)	Benzyl chloride	12.200	91	3378058	12.479	ppbv	100
71)	1,3-Dichlorobenzene	12.220	146	2638945	11.086	ppbv	94
72)	1,4-Dichlorobenzene	12.261	146	2431128	11.280	ppbv#	95
73)	sec-Butylbenzene	12.107	105	4212748	13.024	ppbv#	89
74)	4-Isopropyltoluene	12.364	119	5379399	13.152	ppbv	95
75)	1,2-Dichlorobenzene	12.477	146	2518879	10.972	ppbv	94
76)	n-Butylbenzene	12.631	91	4796852	13.362	ppbv#	89
77)	1,2,4-Trichlorobenzene	13.616	180	2005992	11.159	ppbv	93
79)	Hexachlorobutadiene	13.954	225	2650539	10.654	ppbv	99
81)	1,2-Dichlorotetrafluor...	3.673	85	2124606	9.909	ppbv	98
82)	Vinyl Chloride(sim)	3.765	62	926134	9.875	ppbv	97
83)	Bromomethane(sim)	4.104	94	722141	9.031	ppbv#	84
84)	Trichlorofluoromethane...	4.821	101	2683659	10.083	ppbv#	100
85)	1,2-Dichloroethane(sim)	7.332	62	1459498	10.353	ppbv#	88
86)	1,1,1-Trichloroethane(...	7.494	97	2039909	10.119	ppbv#	100
87)	Carbon Tetrachloride(sim)	7.876	117	2156653	10.604	ppbv	94
88)	1,1-Dichloroethene(sim)	5.272	61	1703539	9.723	ppbv	95
89)	Trichlorotrifluoroetha...	5.533	101	1641643	9.827	ppbv#	93
90)	Trans-1,2-Dichloroethe...	5.988	61	1445272	10.401	ppbv	98
91)	1,1-Dichloroethane(sim)	6.124	63	1513469	9.343	ppbv	100
92)	Cis-1,2-Dichloroethene...	6.671	61	1273283	10.033	ppbv	98
93)	Chloroform(sim)	6.863	83	1749320	9.365	ppbv#	82
95)	1,2-dichloropropane(sim)	8.288	63	787978	9.736	ppbv	96
96)	Bromodichloromethane(sim)	8.405	83	1959872	10.271	ppbv	99
97)	Trichloroethene(sim)	8.422	130	890551	10.520	ppbv#	89
98)	1,4-Dioxane(sim)	8.427	88	445916	13.403	ppbv#	91
99)	cis-1,3-Dichloropropen...	8.934	75	1196417	13.227	ppbv	98
100)	1,1,2-Trichloroethane(...	9.351	97	874018	10.314	ppbv	99
101)	Dibromochloromethane(sim)	9.772	129	1807274	11.591	ppbv	98
102)	1,2-Dibromoethane(EDB)...	9.914	107	1485552	11.808	ppbv	99
103)	Tetrachloroethene(sim)	10.161	166	1303271	10.654	ppbv	98
105)	Bromoform(sim)	10.918	173	2089566	11.541	ppbv	93
106)	m,p-Xylene(sim)	10.841	91	6438545	28.807	ppbv#	94
107)	1,1,2,2-Tetrachloroeth...	11.113	83	1968948	10.511	ppbv	96
110)	Benzyl chloride(sim)	12.205	91	3680757	8.565	ppbv	98
111)	1,3-Dichlorobenzene(sim)	12.220	146	2638945	12.317	ppbv	94
112)	1,4-Dichlorobenzene(sim)	12.267	146	2653991	13.202	ppbv	100
113)	sec-Butylbenzene(sim)	12.107	105	4212748	7.915	ppbv	89
114)	4-Isopropyltoluene(sim)	12.369	119	5706738	7.836	ppbv	96
115)	1,2-Dichlorobenzene(sim)	12.477	146	2519013	11.935	ppbv	95
116)	n-Butylbenzene(sim)	12.626	91	5141877	7.851	ppbv	95
117)	1,2,4-Trichlorobenzene...	13.616	180	2007007	13.072	ppbv	94
119)	Hexachlorobutadiene(sim)	13.954	225	2649297	9.952	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
 Data File : 0522_15.D
 Acq On : 22 May 2020 8:23 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : 10ppb cc
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 27 10:43:59 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:42:19 2020
 Response via : Initial Calibration

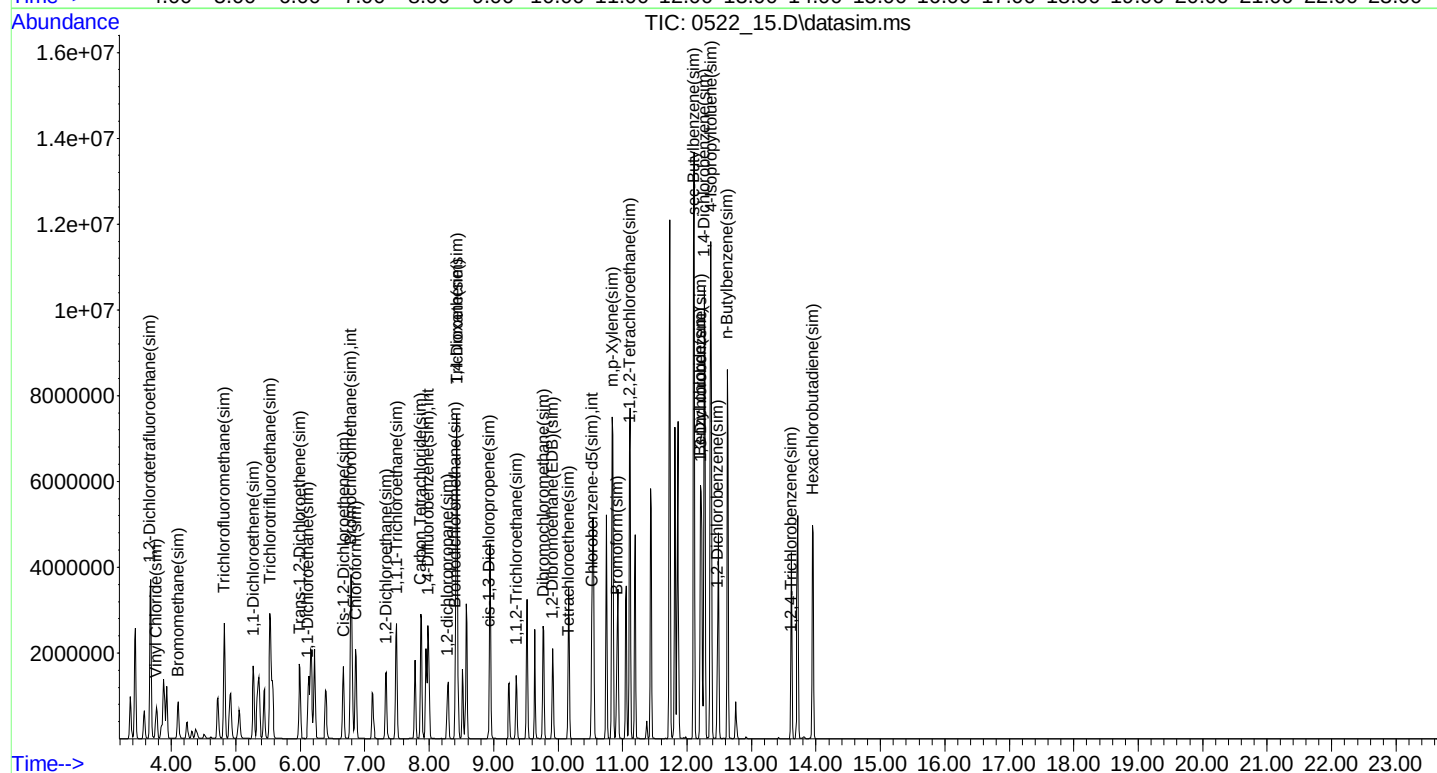
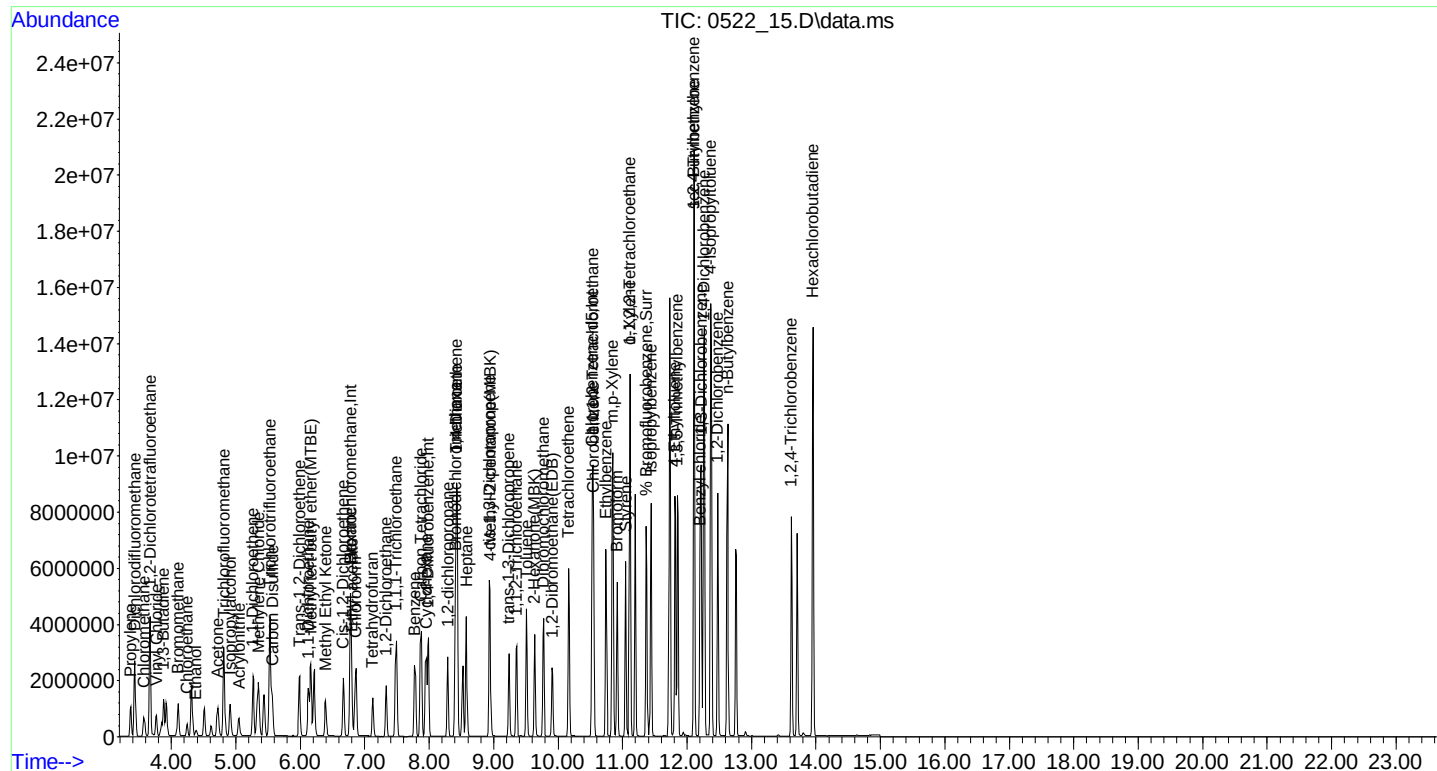
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\22\
Data File : 0522_15.D
Acq On : 22 May 2020 8:23 pm
Operator :
Client ID : ICAL 10
Lab ID : 10ppb cc
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 27 10:43:59 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Wed May 27 10:42:19 2020
Response via : Initial Calibration



6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM24
Heated Purge (Y/N): Y
GC Column: _____

Client: KLEINFL-AIR
SDG No.: GCG03886
Calibration Date From: 05/28/20 13:03
Calibration Date Thru: 05/28/20 17:40
Method File: 24AIR_0528.M

Laboratory File Ids

RRF1	<u>0528_03.D</u>	RRF2	<u>0528_04.D</u>	RRF3	<u>0528_05.D</u>	RRF4	<u>0528_06.D</u>	RRF5	<u>0528_14.D</u>	RRF6	<u>0528_07.D</u>				
RRF7	<u>0528_13.D</u>	RRF8	<u>0528_08.D</u>	RRF9	<u>0528_09.D</u>	RRF10	<u>0528_15.D</u>	RRF11	<u>0528_10.D</u>	RRF12	<u>0528_11.D</u>				
COMPOUND	RRF1 0.02	RRF2 0.035	RRF3 0.05	RRF4 0.1	RRF5 0.2	RRF6 0.5	RRF7 1	RRF8 2.5	RRF9 5	RRF10 10	RRF11 25	RRF12 40	— RRF	% RSD	
Propylene					0.812	0.757	0.717	0.681	0.717	0.745	0.713	0.692	0.729	5.68	
Dichlorodifluoromethane					2.258	1.988	2.235	1.932	2.482	2.391	2.026	1.688	2.125	12.38	
Chloromethane					0.950	0.974	0.946	0.939	0.977	1.239	1.145	1.046	1.027	10.72	
1,2-Dichlorotetrafluoroethane					1.879	1.681	1.882	1.624	2.006	2.022	1.666	1.186	1.743	15.61	
Vinyl Chloride				1.020	0.996	1.013	1.015	1.025	1.056	1.085	1.015	0.985	1.023	2.97	
1,3-Butadiene				0.763	0.684	0.684	0.676	0.690	0.716	0.722	0.685	0.657	0.697	4.50	
Bromomethane				1.256	1.111	1.086	1.091	1.069	1.133	1.136	1.091	1.037	1.112	5.55	
Chloroethane				0.492	0.404	0.409	0.388	0.383	0.397	0.400	0.386	0.378	0.404	8.54	
Ethanol					0.434	0.405	0.342	0.318	0.331	0.321	0.302	0.277	0.341	15.41	
Acetone					2.495	2.207	2.004	1.599	1.604	1.553	1.859	1.783	1.888	17.58	
Trichlorofluoromethane				2.594	2.463	2.563	2.508	2.528	2.631	2.640	2.487	2.314	2.525	3.98	
Isopropylalcohol					1.907	1.876	1.882	1.864	1.985	1.908	1.831	1.745	1.875	3.68	
Acrylonitrile					0.623	0.622	0.626	0.634	0.674	0.679	0.689	0.667	0.652	4.31	
1,1-Dichloroethene					1.567	1.555	1.468	1.484	1.587	1.555	1.462	1.369	1.506	4.88	
Methylene Chloride					1.382	1.306	1.223	1.218	1.268	1.244	1.186	1.137	1.246	6.02	
Carbon Disulfide						2.908	2.668	2.593	2.731	2.696	2.530	2.336	2.637	6.76	
Trichlorotrifluoroethane					1.879	1.876	1.863	1.851	1.937	1.935	1.836	1.720	1.862	3.65	
Trans-1,2-Dichloroethene				1.567	1.584	1.641	1.602	1.620	1.720	1.684	1.648	1.585	1.628	3.10	
1,1-Dichloroethane				2.079	1.983	1.965	1.974	1.941	2.039	2.019	2.005	1.953	1.995	2.22	
Methyl tert-butyl ether(MTBE)					2.698	2.752	2.703	2.655	2.726	2.716	2.681	2.554	2.686	2.25	
Methyl Ethyl Ketone					2.211	2.159	2.270	2.181	2.249	2.246	2.282	2.208	2.226	1.94	
Cis-1,2-Dichloroethene				1.533	1.545	1.553	1.531	1.554	1.631	1.635	1.634	1.588	1.578	2.82	
Hexane					1.708	2.161	2.129	2.067	2.124	2.085	2.045	1.933	2.032	7.28	
Chloroform				2.484	2.337	2.372	2.352	2.368	2.510	2.510	2.490	2.412	2.426	2.97	
Ethyl acetate					2.847	2.422	2.499	2.415	2.477	2.498	2.420	2.304	2.485	6.41	

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

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM24
Heated Purge (Y/N): Y
GC Column: _____

Client: KLEINFL-AIR
SDG No.: GCG03886
Calibration Date From: 05/28/20 13:03
Calibration Date Thru: 05/28/20 17:40
Method File: 24AIR_0528.M

Laboratory File Ids

RRF1	0528 03.D	RRF2	0528 04.D	RRF3	0528 05.D	RRF4	0528 06.D	RRF5	0528 14.D	RRF6	0528 07.D				
RRF7	0528 13.D	RRF8	0528 08.D	RRF9	0528 09.D	RRF10	0528 15.D	RRF11	0528 10.D	RRF12	0528 11.D				
COMPOUND		RRF1 0.02	RRF2 0.035	RRF3 0.05	RRF4 0.1	RRF5 0.2	RRF6 0.5	RRF7 1	RRF8 2.5	RRF9 5	RRF10 10	RRF11 25	RRF12 40	— RRF	% RSD
Tetrahydrofuran						0.732	0.709	0.675	0.652	0.652	0.641	0.610	0.580	0.656	7.53
1,2-Dichloroethane					1.622	1.516	1.586	1.543	1.548	1.617	1.624	1.635	1.602	1.588	2.68
1,1,1-Trichloroethane					2.333	2.189	2.218	2.247	2.247	2.340	2.353	2.305	2.230	2.274	2.64
Benzene					3.631	3.366	3.289	3.209	3.210	3.316	3.327	3.290	3.195	3.315	4.00
Carbon Tetrachloride					2.244	2.251	2.225	2.238	2.237	2.423	2.445	2.461	2.374	2.322	4.36
Cyclohexane						1.548	1.619	1.595	1.568	1.624	1.624	1.611	1.576	1.596	1.80
1,2-dichloropropane					0.389	0.371	0.377	0.377	0.372	0.391	0.396	0.392	0.385	0.383	2.41
Bromodichloromethane					0.650	0.653	0.657	0.682	0.677	0.732	0.754	0.750	0.729	0.698	6.15
Trichloroethene					0.422	0.420	0.417	0.415	0.415	0.432	0.443	0.435	0.422	0.424	2.28
1,4-Dioxane						0.162	0.177	0.199	0.196	0.216	0.208	0.212	0.200	0.196	9.34
Heptane					0.624	0.551	0.543	0.531	0.518	0.530	0.530	0.510	0.494	0.537	6.91
cis-1,3-Dichloropropene					0.500	0.528	0.533	0.551	0.555	0.589	0.618	0.617	0.608	0.567	7.58
4-Methyl-2-pentanone(MIBK)					0.717	0.718	0.719	0.733	0.720	0.745	0.753	0.719	0.679	0.722	2.91
trans-1,3-Dichloropropene					0.499	0.477	0.470	0.477	0.494	0.520	0.543	0.545	0.535	0.507	5.87
1,1,2-Trichloroethane					0.399	0.372	0.399	0.394	0.394	0.410	0.422	0.411	0.401	0.400	3.50
Toluene					1.168	1.085	1.107	1.096	1.098	1.138	1.165	1.142	1.088	1.121	2.93
Dibromochloromethane					0.640	0.667	0.673	0.712	0.731	0.787	0.828	0.822	0.787	0.738	9.54
2-Hexanone(MBK)						0.704	0.716	0.728	0.728	0.754	0.756	0.752	0.719	0.732	2.71
1,2-Dibromoethane(EDB)					0.678	0.664	0.663	0.681	0.680	0.713	0.734	0.727	0.704	0.694	3.82
Tetrachloroethene					0.537	0.518	0.527	0.521	0.521	0.541	0.557	0.549	0.524	0.533	2.63
1,1,1,2-Tetrachloroethane					0.728	0.754	0.755	0.778	0.782	0.826	0.848	0.825	0.780	0.786	5.01
Chlorobenzene					1.595	1.570	1.580	1.594	1.577	1.633	1.670	1.651	1.606	1.608	2.18
Ethylbenzene					2.699	2.610	2.663	2.618	2.621	2.687	2.707	2.514	2.270	2.599	5.27
m,p-Xylene					2.076	2.089	2.084	1.653	2.030	2.085	2.091	1.993	1.816	1.991	7.76
Bromoform					1.042	1.162	1.172	1.286	1.343	1.430	1.534	1.506	1.382	1.317	12.65

(#) 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
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM24
Heated Purge (Y/N): Y
GC Column: _____

Client: KLEINFL-AIR
SDG No.: GCG03886
Calibration Date From: 05/28/20 13:03
Calibration Date Thru: 05/28/20 17:40
Method File: 24AIR_0528.M

Laboratory File Ids

RRF1	0528	03.D	RRF2	0528	04.D	RRF3	0528	05.D	RRF4	0528	06.D	RRF5	0528	14.D	RRF6	0528	07.D
RRF7	0528	13.D	RRF8	0528	08.D	RRF9	0528	09.D	RRF10	0528	15.D	RRF11	0528	10.D	RRF12	0528	11.D
COMPOUND			RRF1	RRF2	RRF3	RRF4	RRF5	RRF6	RRF7	RRF8	RRF9	RRF10	RRF11	RRF12	—	%	
			0.02	0.035	0.05	0.1	0.2	0.5	1	2.5	5	10	25	40	RRF	RSD	
Styrene							1.492	1.488	1.518	1.501	1.539	1.583	1.517	1.387	1.503	3.71	
1,1,2,2-Tetrachloroethane						1.638	1.649	1.639	1.661	1.633	1.686	1.727	1.699	1.629	1.662	2.06	
o-Xylene							2.127	2.140	2.112	2.126	2.172	2.198	2.202	2.129	2.151	1.64	
Isopropylbenzene						2.574	2.590	2.674	2.615	2.587	2.679	2.703	2.681	2.588	2.632	1.93	
4-Ethyltoluene						2.766	2.881	2.831	2.813	2.801	2.865	2.879	2.730	2.464	2.781	4.65	
1,3,5-Trimethylbenzene						2.445	2.442	2.363	2.408	2.370	2.402	2.452	2.418	2.334	2.404	1.70	
1,2,4-Trimethylbenzene						2.309	2.356	2.274	2.297	2.273	2.308	2.344	2.328	2.213	2.300	1.89	
Benzyl chloride							1.121	1.166	1.336	1.413	1.489	1.631	1.668	1.578	1.425	14.44	
1,3-Dichlorobenzene						1.367	1.486	1.434	1.446	1.428	1.401	1.446	1.332	1.195	1.393	6.26	
1,4-Dichlorobenzene						1.354	1.421	1.368	1.401	1.369	1.370	1.428	1.364	1.289	1.374	3.01	
sec-Butylbenzene						2.977	3.017	3.040	3.036	3.020	3.037	3.084	3.018	2.817	3.005	2.53	
4-Isopropyltoluene						2.217	2.243	2.290	2.281	2.270	2.298	2.335	2.181	1.974	2.232	4.80	
1,2-Dichlorobenzene						1.080	1.168	1.137	1.135	1.109	1.112	1.136	1.083	0.988	1.105	4.72	
n-Butylbenzene						1.951	2.068	2.025	2.036	2.063	2.057	2.069	1.952	1.802	2.003	4.41	
1,2,4-Trichlorobenzene							0.789	0.649	0.715	0.690	0.654	0.676	0.587		0.680	9.19	
Hexachlorobutadiene							0.802	0.717	0.731	0.696	0.669	0.660	0.552	0.463	0.661	16.21	
1,2-Dichlorotetrafluoroethane(sim)			2.170	2.169	2.119	2.013	1.908	1.692	1.904	1.637	2.025				1.960	9.91	
Vinyl Chloride(sim)				1.252	1.214	1.150	1.089	1.090	1.084	1.090	1.131				1.138	5.65	
Bromomethane(sim)			1.813	1.514	1.378	1.267	1.128	1.094	1.104	1.078	1.143				1.280	19.48	
Trichlorofluoromethane(sim)			3.304	3.039	2.934	2.769	2.660	2.709	2.654	2.650	2.759				2.831	7.84	
1,1,1-Trichloroethane(sim)			3.003	2.435	2.353	2.354	2.224	2.233	2.273	2.266	2.361				2.389	10.07	
Carbon Tetrachloride(sim)			2.261	2.398	2.346	2.289	2.214	2.242	2.280	2.299	2.473				2.311	3.53	
1,1-Dichloroethene(sim)			1.765	1.662	1.693	1.699	1.591	1.566	1.485	1.496	1.601				1.618	5.87	
Trichlorotrifluoroethane(sim)			2.411	2.286	2.233	2.110	1.989	2.016	1.990	1.975	2.052				2.118	7.38	
Trans-1,2-Dichloroethene(sim)			2.182	1.707	1.692	1.581	1.609	1.653	1.621	1.634	1.736				1.713	10.67	

(#) 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
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM24
Heated Purge (Y/N): Y
GC Column: _____

Client: KLEINFL-AIR
SDG No.: GCG03886
Calibration Date From: 05/28/20 13:03
Calibration Date Thru: 05/28/20 17:40
Method File: 24AIR_0528.M

Laboratory File Ids

RRF1	0528	03.D	RRF2	0528	04.D	RRF3	0528	05.D	RRF4	0528	06.D	RRF5	0528	14.D	RRF6	0528	07.D									
RRF7	0528	13.D	RRF8	0528	08.D	RRF9	0528	09.D	RRF10	0528	15.D	RRF11	0528	10.D	RRF12	0528	11.D									
COMPOUND	RRF1	0.02	RRF2	0.035	RRF3	0.05	RRF4	0.1	RRF5	0.2	RRF6	0.5	RRF7	1	RRF8	2.5	RRF9	5	RRF10	10	RRF11	25	RRF12	40	— RRF	% RSD
1,1-Dichloroethane(sim)	2.247		2.292		2.263		2.144		2.069		2.076		2.083		2.049		2.168							2.155	4.32	
Cis-1,2-Dichloroethene(sim)	1.867		1.805		1.583		1.546		1.569		1.564		1.548		1.567		1.646							1.633	7.34	
Chloroform(sim)	2.624		2.739		2.678		2.576		2.462		2.493		2.470		2.468		2.612							2.569	3.96	
1,2-Dichloroethane(sim)	1.743		1.569		1.559		1.636		1.540		1.597		1.561		1.561		1.632							1.600	3.95	
1,2-dichloropropane(sim)	0.419		0.360		0.380		0.361		0.346		0.351		0.352		0.347		0.366							0.365	6.32	
Bromodichloromethane(sim)	0.605		0.655		0.645		0.642		0.632		0.637		0.654		0.661		0.707							0.649	4.22	
Trichloroethene(sim)	0.487		0.395		0.397		0.392		0.391		0.388		0.388		0.388		0.403							0.403	7.89	
1,4-Dioxane(sim)			0.228		0.231		0.205		0.218		0.195		0.211		0.199		0.215							0.213	6.09	
cis-1,3-Dichloropropene(sim)	0.506		0.475		0.478		0.465		0.492		0.496		0.515		0.518									0.493	3.91	
1,1,2-Trichloroethane(sim)	0.403		0.412		0.391		0.394		0.387		0.383		0.383		0.382		0.398							0.393	2.63	
Dibromochloromethane(sim)	0.601		0.578		0.548		0.595		0.621		0.626		0.665		0.682		0.734							0.628	9.14	
1,2-Dibromoethane(EDB)(sim)	0.611		0.658		0.632		0.648		0.642		0.645		0.654		0.656		0.685							0.648	3.11	
Tetrachloroethene(sim)	0.473		0.523		0.491		0.499		0.482		0.490		0.486		0.487		0.505		0.518					0.495	3.23	
Bromoform(sim)	1.042		0.812		0.987		0.990		1.092		1.112		1.222		1.272		1.361							1.099	15.23	
1,1,1,2-Tetrachloroethane(sim)	0.692		0.731		0.690		0.717		0.739		0.744		0.761		0.767		0.809							0.739	5.07	
m,p-Xylene(sim)			2.219		1.997		1.973		1.984		1.984		1.963		1.923		1.985							2.004	4.48	
1,1,2,2-Tetrachloroethane(sim)	1.932		1.681		1.518		1.589		1.603		1.598		1.626		1.600		1.650							1.644	7.11	
Benzyl chloride(sim)	1.200		1.100		0.951		0.969		1.065		1.110		1.269		1.338		1.416							1.158	13.87	
1,3-Dichlorobenzene(sim)			1.568		1.445		1.437		1.506		1.472		1.491		1.447		1.435							1.475	3.10	
1,4-Dichlorobenzene(sim)			1.283		1.296		1.287		1.350		1.302		1.331		1.297		1.303							1.306	1.74	
sec-Butylbenzene(sim)							2.959		3.026		3.063		3.061		3.028		3.081							3.036	1.44	
4-Isopropyltoluene(sim)					2.209		2.107		2.131		2.180		2.168		2.150		2.187							2.162	1.61	
1,2-Dichlorobenzene(sim)	1.545		1.265		1.169		1.138		1.210		1.164		1.167		1.133		1.144							1.215	10.73	
n-Butylbenzene(sim)			2.181		1.900		1.855		1.964		1.927		1.934		1.954		1.957							1.959	4.93	
1,2,4-Trichlorobenzene(sim)	1.080		0.843		0.749		0.688		0.842		0.689		0.756		0.716		0.682							0.783	16.26	

(#) 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: KLEINFL-AIR

SDG No.: GCG03886

Calibration Date From: 05/28/20 13:03

Calibration Date Thru: 05/28/20 17:40

Method File: 24AIR 0528.M

RRF1	0528_03.D	RRF2	0528_04.D	RRF3	0528_05.D	RRF4	0528_06.D	RRF5	0528_14.D	RRF6	0528_07.D
RRF7	0528_13.D	RRF8	0528_08.D	RRF9	0528_09.D	RRF10	0528_15.D	RRF11	0528_10.D	RRF12	0528_11.D

[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.

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FORM VI AIR

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_03.D
 Acq On : 28 May 2020 10:50 am
 Operator : Keith
 Client ID : ICAL 0.02
 Lab ID : 0.02
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 08:19:09 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:17:47 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.420	130	178526	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.350	114	650933	10.000	ng	0.00
53) Chlorobenzene-d5	10.925	82	341960	10.000	ng	0.00
80) Bromochloromethane(sim)	5.423	130	176469	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.353	114	695109	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.928	82	358898	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	12.398	95	459601	9.907	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.10%

Target Compounds

					Qvalue	
2) Propylene	1.478	41	908	0.070	ppbv#	80
3) Dichlorodifluoromethane	1.506	85	1036	0.027	ppbv#	93
4) Chloromethane	1.650	50	526	0.029	ppbv	70
5) 1,2-Dichlorotetrafluor...	1.615	135	766	0.020	ppbv#	84
6) Vinyl Chloride	1.718	62	424	0.023	ppbv	97
7) 1,3-Butadiene	1.739	54	281	0.023	ppbv#	16
8) Bromomethane	1.972	94	634	0.032	ppbv#	84
9) Chloroethane	2.074	64	291	0.040	ppbv#	66
10) Ethanol	2.670	45	1253	0.206	ppbv#	13
12) Acetone	3.327	43	7539	0.224	ppbv	95
13) Trichlorofluoromethane	2.211	101	972	0.022	ppbv#	73
14) Isopropylalcohol	3.279	45	2368	0.071	ppbv#	1
15) Acrylonitrile	0.000	53	0	0.000	ppbv	0
16) 1,1-Dichloroethene	2.656	61	623	0.023	ppbv#	74
17) Methylene Chloride	3.251	49	1351	0.061	ppbv	97
20) Carbon Disulfide	2.663	76	6272	0.133	ppbv#	71
21) Trichlorotrifluoroethane	2.725	101	653	0.020	ppbv#	71
22) Trans-1,2-Dichloroethene	3.450	61	573	0.020	ppbv#	83
23) 1,1-Dichloroethane	4.247	63	686	0.019	ppbv#	49
24) Methyl tert-butyl ethe...	3.655	73	902	0.019	ppbv#	11
25) Methyl Ethyl Ketone	6.098	43	1673	0.042	ppbv#	61
26) Cis-1,2-Dichloroethene	5.110	61	419	0.015	ppbv#	72
27) Hexane	3.587	57	783	0.022	ppbv#	11
28) Chloroform	5.615	83	888	0.021	ppbv#	71
29) Ethyl acetate	5.925	43	1377	0.031	ppbv#	69
30) Tetrahydrofuran	5.881	41	775	0.066	ppbv#	21
31) 1,2-Dichloroethane	6.706	62	463	0.016	ppbv#	71
32) 1,1,1-Trichloroethane	5.867	97	593	0.015	ppbv#	48
33) Benzene	6.425	78	1687	0.029	ppbv#	75
34) Carbon Tetrachloride	5.773	117	601	0.014	ppbv#	78
35) Cyclohexane	5.413	56	257	0.009	ppbv#	1
37) 1,2-dichloropropane	7.925	63	464	0.019	ppbv#	1
38) Bromodichloromethane	8.069	83	791	0.017	ppbv	75
39) Trichloroethene	7.288	130	474	0.017	ppbv#	43
41) 1,4-Dioxane	8.354	88	146	0.011	ppbv#	79
43) Heptane	6.528	43	1159	0.033	ppbv#	38
44) cis-1,3-Dichloropropene	8.860	75	512	0.014	ppbv#	47
45) 4-Methyl-2-pentanone(M...	9.654	43	1391	0.030	ppbv#	69
46) trans-1,3-Dichloropropene	9.675	75	538	0.016	ppbv#	62
47) 1,1,2-Trichloroethane	9.849	97	446	0.017	ppbv#	79
48) Toluene	9.148	91	1664	0.023	ppbv#	79
49) Dibromochloromethane	10.051	129	704	0.015	ppbv#	87
50) 2-Hexanone(MBK)	10.664	43	1589	0.033	ppbv#	75
51) 1,2-Dibromoethane(EDB)	10.275	107	668	0.015	ppbv	90

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_03.D
 Acq On : 28 May 2020 10:50 am
 Operator : Keith
 Client ID : ICAL 0.02
 Lab ID : 0.02
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 08:19:09 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:17:47 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	9.611	166	586	0.017	ppbv	94
54)	1,1,1,2-Tetrachloroethane	11.041	131	384	0.014	ppbv#	73
55)	Chlorobenzene	10.945	112	953	0.017	ppbv#	1
56)	Ethylbenzene	11.028	91	1947	0.022	ppbv	85
57)	m,p-Xylene	11.206	91	3078	0.045	ppbv	99
58)	Bromoform	11.762	173	742	0.016	ppbv#	74
59)	Styrene	11.769	104	1108	0.022	ppbv	93
60)	1,1,2,2-Tetrachloroethane	12.697	83	1358	0.024	ppbv	91
61)	o-Xylene	11.700	91	1773	0.024	ppbv#	81
64)	Isopropylbenzene	12.100	105	2010	0.022	ppbv	94
66)	4-Ethyltoluene	12.742	105	2409	0.025	ppbv#	90
67)	1,3,5-Trimethylbenzene	12.852	105	1946	0.024	ppbv	94
68)	1,2,4-Trimethylbenzene	13.320	105	1992	0.025	ppbv	97
70)	Benzyl chloride	13.962	91	861	0.018	ppbv#	62
71)	1,3-Dichlorobenzene	13.625	146	1177	0.025	ppbv	90
72)	1,4-Dichlorobenzene	13.722	146	1078	0.023	ppbv	95
73)	sec-Butylbenzene	13.436	105	2448	0.024	ppbv#	95
74)	4-Isopropyltoluene	13.612	119	1956	0.026	ppbv#	92
75)	1,2-Dichlorobenzene	14.105	146	964	0.026	ppbv	92
76)	n-Butylbenzene	14.014	91	1758	0.026	ppbv#	95
77)	1,2,4-Trichlorobenzene	15.259	180	579	0.025	ppbv#	89
79)	Hexachlorobutadiene	15.264	225	830	0.037	ppbv	96
81)	1,2-Dichlorotetrafluor...	1.615	135	766	0.022	ppbv#	84
82)	Vinyl Chloride(sim)	1.721	62	503	0.025	ppbv	98
83)	Bromomethane(sim)	1.974	94	640m	0.028	ppbv	84
84)	Trichlorofluoromethane...	2.207	101	1166	0.023	ppbv	98
85)	1,1,1-Trichloroethane(sim)	5.870	97	1060m	0.025	ppbv	48
86)	Carbon Tetrachloride(sim)	5.769	117	798	0.020	ppbv	99
87)	1,1-Dichloroethene(sim)	2.656	61	623	0.022	ppbv#	74
88)	Trichlorotrifluoroetha...	2.721	101	851	0.023	ppbv	89
89)	Trans-1,2-Dichloroethe...	3.453	61	770m	0.025	ppbv	83
90)	1,1-Dichloroethane(sim)	4.245	63	793	0.021	ppbv#	89
91)	Cis-1,2-Dichloroethene...	5.120	61	659m	0.023	ppbv	72
92)	Chloroform(sim)	5.618	83	926	0.020	ppbv#	97
93)	1,2-Dichloroethane(sim)	6.709	62	615m	0.022	ppbv	71
95)	1,2-dichloropropane(sim)	7.921	63	583m	0.023	ppbv	1
96)	Bromodichloromethane(sim)	8.072	83	841	0.019	ppbv	98
97)	Trichloroethene(sim)	7.284	130	677m	0.024	ppbv	43
98)	1,4-Dioxane(sim)	8.350	88	419m	0.028	ppbv	73
99)	cis-1,3-Dichloropropen...	8.863	75	703m	0.021	ppbv	47
100)	1,1,2-Trichloroethane(...)	9.852	97	560	0.021	ppbv	96
101)	Dibromochloromethane(sim)	10.054	129	836m	0.019	ppbv	78
102)	1,2-Dibromoethane(EDB)...	10.278	107	849	0.019	ppbv	98
103)	Tetrachloroethene(sim)	9.613	166	657m	0.019	ppbv	94
105)	Bromoform(sim)	11.758	173	748m	0.019	ppbv	67
106)	1,1,1,2-Tetrachloroeth...	11.044	131	497	0.019	ppbv	95
107)	m,p-Xylene(sim)	11.206	91	3078	0.043	ppbv	99
108)	1,1,2,2-Tetrachloroeth...	12.693	83	1387	0.024	ppbv	99
111)	Benzyl chloride(sim)	13.962	91	861	0.021	ppbv	62
112)	1,3-Dichlorobenzene(sim)	13.627	146	1282	0.024	ppbv	99
113)	1,4-Dichlorobenzene(sim)	13.722	146	1078	0.023	ppbv	95
114)	sec-Butylbenzene(sim)	13.439	105	2687	0.025	ppbv	99
115)	4-Isopropyltoluene(sim)	13.612	119	1956	0.025	ppbv#	92
116)	1,2-Dichlorobenzene(sim)	14.101	146	1109	0.025	ppbv	98
117)	n-Butylbenzene(sim)	14.014	91	1758	0.025	ppbv	95
118)	1,2,4-Trichlorobenzene...	15.262	180	775	0.028	ppbv	98
119)	Hexachlorobutadiene(sim)	15.264	225	830	0.030	ppbv#	82

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_03.D
 Acq On : 28 May 2020 10:50 am
 Operator : Keith
 Client ID : ICAL 0.02
 Lab ID : 0.02
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 29 08:19:09 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:17:47 2020
 Response via : Initial Calibration

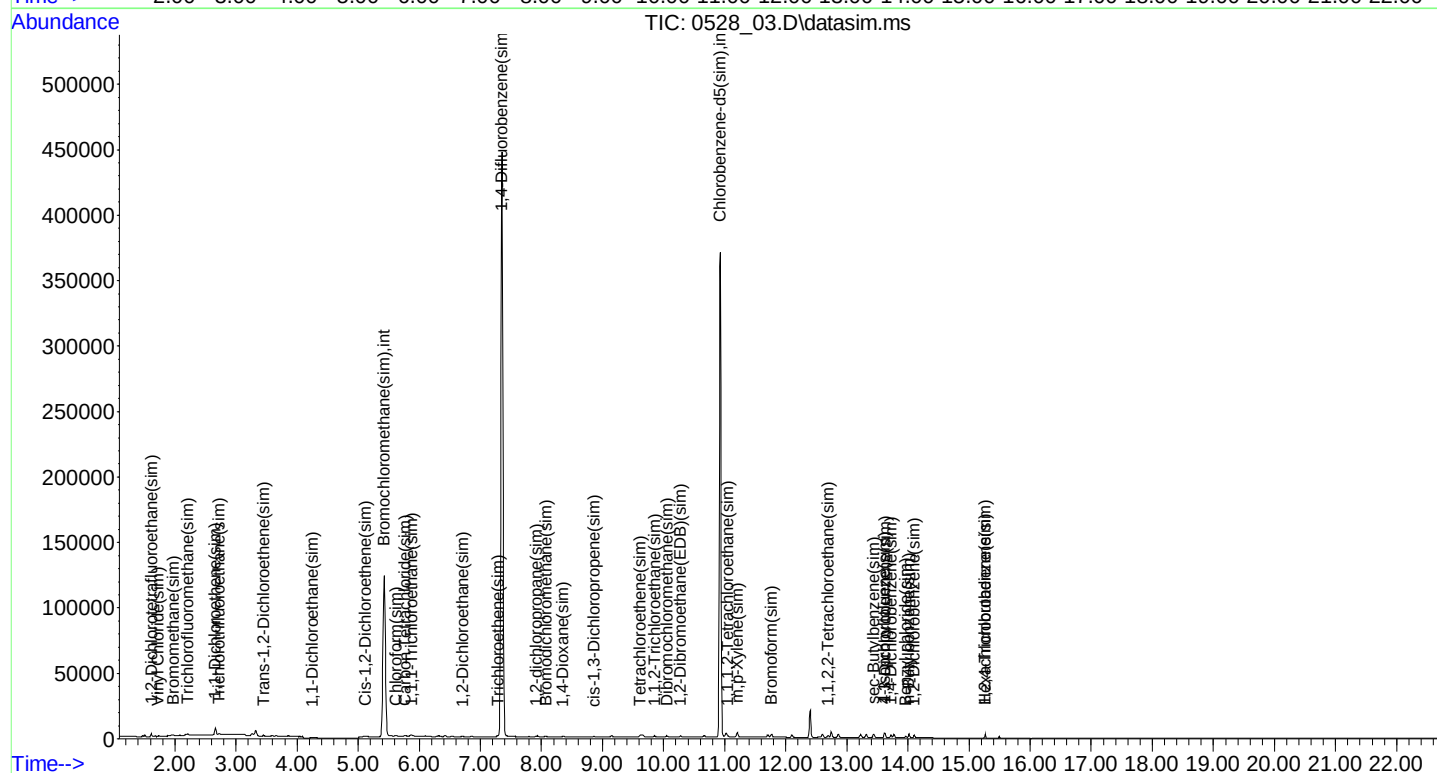
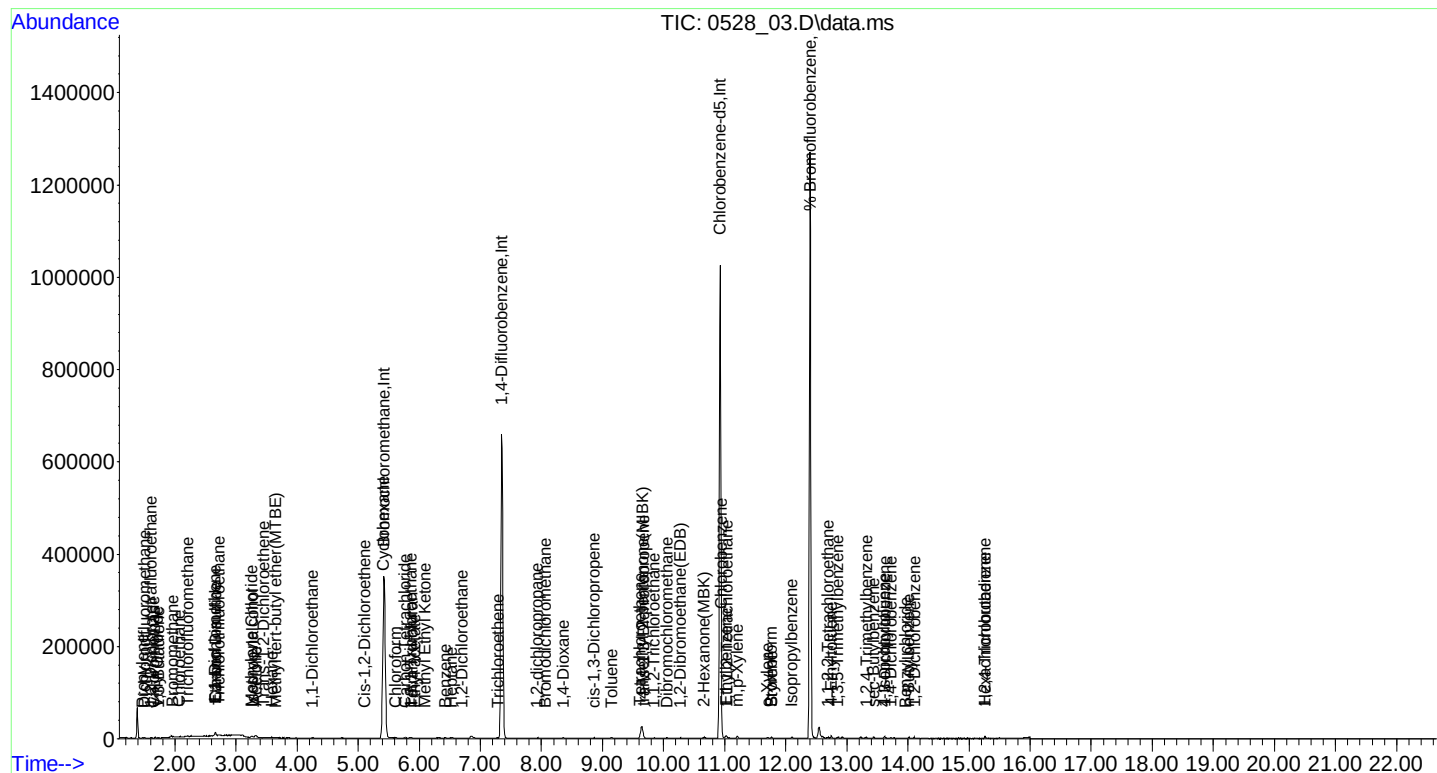
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

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Data Path   : H:\AIR2020\CHEM24\05MAY\28\  
Data File  : 0528_03.D  
Acq On     : 28 May 2020  10:50 am  
Operator   : Keith  
Client ID  : ICAL 0.02  
Lab ID     : 0.02  
ALS Vial   : 7      Sample Multiplier: 1
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Quant Time: May 29 08:19:09 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri May 29 08:17:47 2020
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_04.D
 Acq On : 28 May 2020 11:22 am
 Operator : Keith
 Client ID : ICAL 0.035
 Lab ID : 0.035
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 08:20:16 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:19:23 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	177547	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	656445	10.000	ng	0.00
53) Chlorobenzene-d5	10.925	82	347844	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	175889	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.353	114	704874	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	364713	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	12.398	95	462617	9.803	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	1.471	41	897	0.069	ppbv#	79
3) Dichlorodifluoromethane	1.506	85	1855	0.049	ppbv	99
4) Chloromethane	1.650	50	815	0.045	ppbv	85
5) 1,2-Dichlorotetrafluor...	1.615	135	1335	0.035	ppbv#	86
6) Vinyl Chloride	1.718	62	730	0.040	ppbv	97
7) 1,3-Butadiene	1.739	54	451	0.036	ppbv	88
8) Bromomethane	1.972	94	956	0.048	ppbv	99
9) Chloroethane	2.074	64	472	0.066	ppbv#	51
10) Ethanol	2.670	45	1049	0.173	ppbv#	66
12) Acetone	3.327	43	4039	0.120	ppbv#	86
13) Trichlorofluoromethane	2.211	101	1702	0.038	ppbv#	86
14) Isopropylalcohol	3.286	45	1379	0.041	ppbv	87
15) Acrylonitrile	4.305	53	381	0.033	ppbv#	65
16) 1,1-Dichloroethene	2.656	61	1023	0.038	ppbv#	93
17) Methylene Chloride	3.251	49	1600	0.072	ppbv	93
20) Carbon Disulfide	2.663	76	5635	0.120	ppbv	99
21) Trichlorotrifluoroethane	2.718	101	1325	0.040	ppbv#	80
22) Trans-1,2-Dichloroethene	3.457	61	1051	0.036	ppbv#	87
23) 1,1-Dichloroethane	4.247	63	1341	0.038	ppbv	100
24) Methyl tert-butyl ethe...	3.662	73	1624	0.034	ppbv	100
25) Methyl Ethyl Ketone	6.105	43	1796	0.045	ppbv	100
26) Cis-1,2-Dichloroethene	5.117	61	920	0.033	ppbv#	13
27) Hexane	3.593	57	1149	0.032	ppbv#	31
28) Chloroform	5.622	83	1623	0.038	ppbv	82
29) Ethyl acetate	5.910	43	2004	0.045	ppbv	100
30) Tetrahydrofuran	5.917	41	65	0.006	ppbv	100
31) 1,2-Dichloroethane	6.706	62	966	0.034	ppbv	94
32) 1,1,1-Trichloroethane	5.874	97	1499	0.037	ppbv#	63
33) Benzene	6.425	78	2601	0.044	ppbv#	70
34) Carbon Tetrachloride	5.780	117	1333	0.032	ppbv	95
35) Cyclohexane	5.434	56	1123	0.040	ppbv#	1
37) 1,2-dichloropropane	7.932	63	888	0.035	ppbv#	72
38) Bromodichloromethane	8.069	83	1410	0.031	ppbv#	61
39) Trichloroethene	7.274	130	975	0.035	ppbv	95
41) 1,4-Dioxane	8.354	88	356	0.028	ppbv#	57
43) Heptane	6.535	43	1710	0.049	ppbv#	23
44) cis-1,3-Dichloropropene	8.867	75	1172	0.032	ppbv	100
45) 4-Methyl-2-pentanone(M...	9.654	43	2140	0.045	ppbv	94
46) trans-1,3-Dichloropropene	9.675	75	1429	0.043	ppbv#	87
47) 1,1,2-Trichloroethane	9.856	97	934	0.036	ppbv#	80
48) Toluene	9.148	91	2971	0.040	ppbv#	86
49) Dibromochloromethane	10.051	129	1425	0.029	ppbv	99
50) 2-Hexanone(MBK)	10.664	43	2065	0.043	ppbv#	80
51) 1,2-Dibromoethane(EDB)	10.282	107	1446	0.032	ppbv	86

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_04.D
 Acq On : 28 May 2020 11:22 am
 Operator : Keith
 Client ID : ICAL 0.035
 Lab ID : 0.035
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 08:20:16 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:19:23 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	9.610	166	1160	0.033	ppbv	96
54)	1,1,1,2-Tetrachloroethane	11.048	131	808	0.030	ppbv	90
55)	Chlorobenzene	10.945	112	1986	0.035	ppbv#	10
56)	Ethylbenzene	11.027	91	3399	0.038	ppbv	92
57)	m,p-Xylene	11.206	91	5664	0.082	ppbv	98
58)	Bromoform	11.762	173	1219	0.027	ppbv#	84
59)	Styrene	11.769	104	2030	0.039	ppbv	95
60)	1,1,2,2-Tetrachloroethane	12.690	83	2122	0.037	ppbv	97
61)	o-Xylene	11.707	91	2796	0.037	ppbv#	81
64)	Isopropylbenzene	12.100	105	3210	0.035	ppbv#	92
66)	4-Ethyltoluene	12.742	105	3661	0.038	ppbv#	92
67)	1,3,5-Trimethylbenzene	12.859	105	3290	0.039	ppbv	96
68)	1,2,4-Trimethylbenzene	13.313	105	3047	0.038	ppbv	99
70)	Benzyl chloride	13.968	91	1404	0.028	ppbv	100
71)	1,3-Dichlorobenzene	13.624	146	1819	0.038	ppbv	87
72)	1,4-Dichlorobenzene	13.722	146	1638	0.034	ppbv#	94
73)	sec-Butylbenzene	13.436	105	3864	0.037	ppbv	97
74)	4-Isopropyltoluene	13.611	119	3112	0.040	ppbv	92
75)	1,2-Dichlorobenzene	14.105	146	1439	0.037	ppbv	90
76)	n-Butylbenzene	14.014	91	2784	0.040	ppbv	98
77)	1,2,4-Trichlorobenzene	15.259	180	855	0.036	ppbv#	92
79)	Hexachlorobutadiene	15.264	225	1051	0.046	ppbv	93
81)	1,2-Dichlorotetrafluor...	1.615	135	1335	0.039	ppbv#	86
82)	Vinyl Chloride(sim)	1.721	62	771	0.039	ppbv	98
83)	Bromomethane(sim)	1.974	94	932m	0.041	ppbv	98
84)	Trichlorofluoromethane...	2.214	101	1871	0.038	ppbv	99
85)	1,1,1-Trichloroethane(sim)	5.874	97	1499	0.036	ppbv#	27
86)	Carbon Tetrachloride(sim)	5.776	117	1476	0.036	ppbv	99
87)	1,1-Dichloroethene(sim)	2.656	61	1023	0.036	ppbv#	93
88)	Trichlorotrifluoroetha...	2.728	101	1407	0.038	ppbv	93
89)	Trans-1,2-Dichloroethe...	3.457	61	1051	0.035	ppbv#	64
90)	1,1-Dichloroethane(sim)	4.245	63	1411	0.037	ppbv	98
91)	Cis-1,2-Dichloroethene...	5.120	61	1111m	0.039	ppbv	30
92)	Chloroform(sim)	5.618	83	1686	0.037	ppbv	98
93)	1,2-Dichloroethane(sim)	6.706	62	966	0.034	ppbv#	79
95)	1,2-dichloropropane(sim)	7.932	63	888	0.035	ppbv	96
96)	Bromodichloromethane(sim)	8.072	83	1617	0.035	ppbv	98
97)	Trichloroethene(sim)	7.274	130	975	0.034	ppbv#	58
98)	1,4-Dioxane(sim)	8.350	88	562m	0.038	ppbv	89
99)	cis-1,3-Dichloropropen...	8.867	75	1172	0.034	ppbv	100
100)	1,1,2-Trichloroethane(...)	9.852	97	1017	0.037	ppbv	94
101)	Dibromochloromethane(sim)	10.051	129	1425	0.032	ppbv#	59
102)	1,2-Dibromoethane(EDB)...	10.278	107	1623	0.036	ppbv	97
103)	Tetrachloroethene(sim)	9.613	166	1290m	0.037	ppbv	88
105)	Bromoform(sim)	11.762	173	1036	0.026	ppbv#	70
106)	1,1,1,2-Tetrachloroeth...	11.044	131	933	0.035	ppbv	97
107)	m,p-Xylene(sim)	11.206	91	5664	0.078	ppbv	98
108)	1,1,2,2-Tetrachloroeth...	12.693	83	2146	0.036	ppbv	99
111)	Benzyl chloride(sim)	13.968	91	1404	0.033	ppbv	100
112)	1,3-Dichlorobenzene(sim)	13.627	146	2002	0.037	ppbv	99
113)	1,4-Dichlorobenzene(sim)	13.722	146	1638	0.034	ppbv	94
114)	sec-Butylbenzene(sim)	13.439	105	4185	0.038	ppbv	99
115)	4-Isopropyltoluene(sim)	13.611	119	3112	0.039	ppbv	92
116)	1,2-Dichlorobenzene(sim)	14.101	146	1615	0.036	ppbv	98
117)	n-Butylbenzene(sim)	14.014	91	2784	0.039	ppbv	98
118)	1,2,4-Trichlorobenzene...	15.262	180	1076	0.038	ppbv	99
119)	Hexachlorobutadiene(sim)	15.264	225	952	0.034	ppbv#	65

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_04.D
 Acq On : 28 May 2020 11:22 am
 Operator : Keith
 Client ID : ICAL 0.035
 Lab ID : 0.035
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 29 08:20:16 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:19:23 2020
 Response via : Initial Calibration

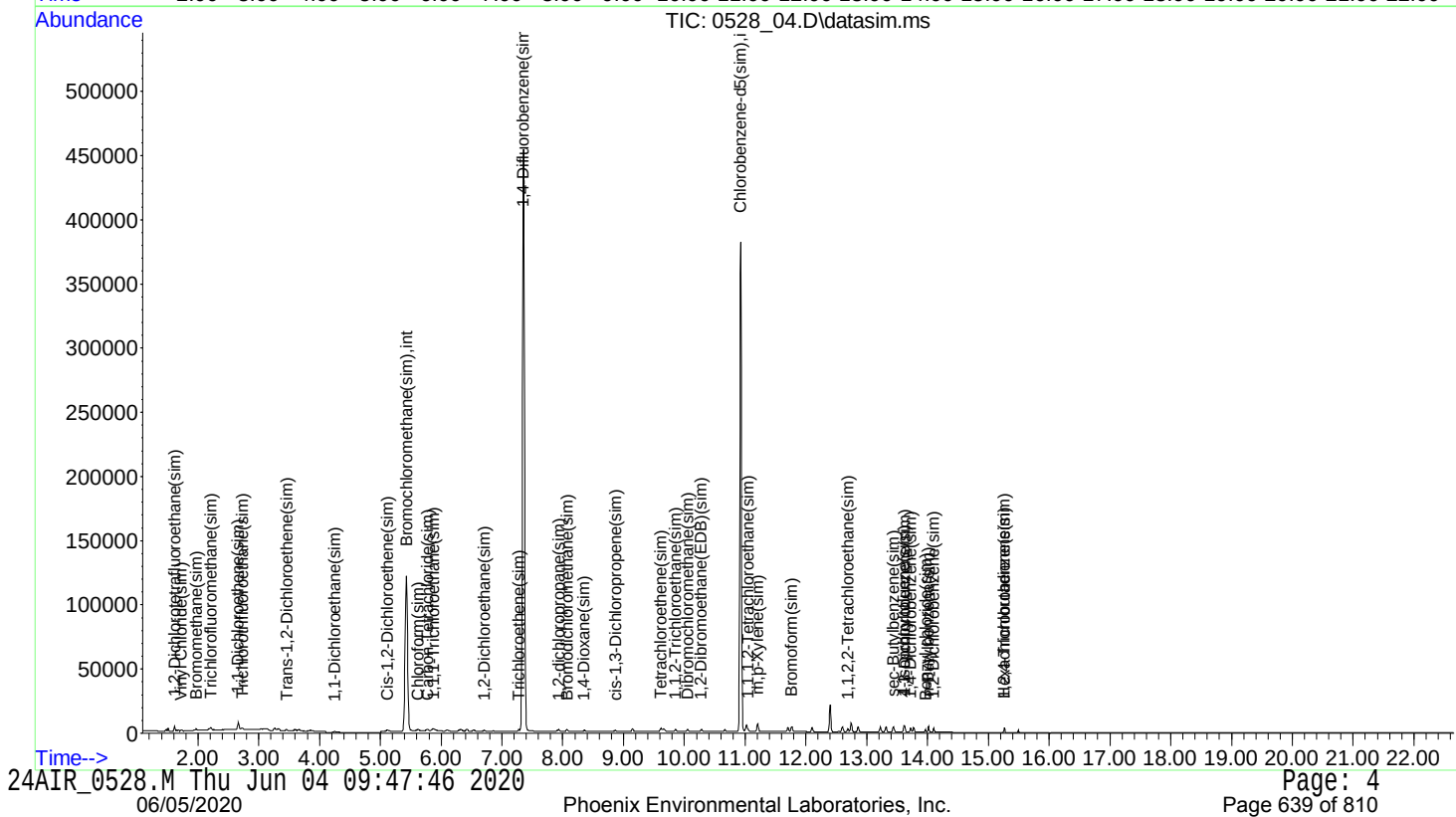
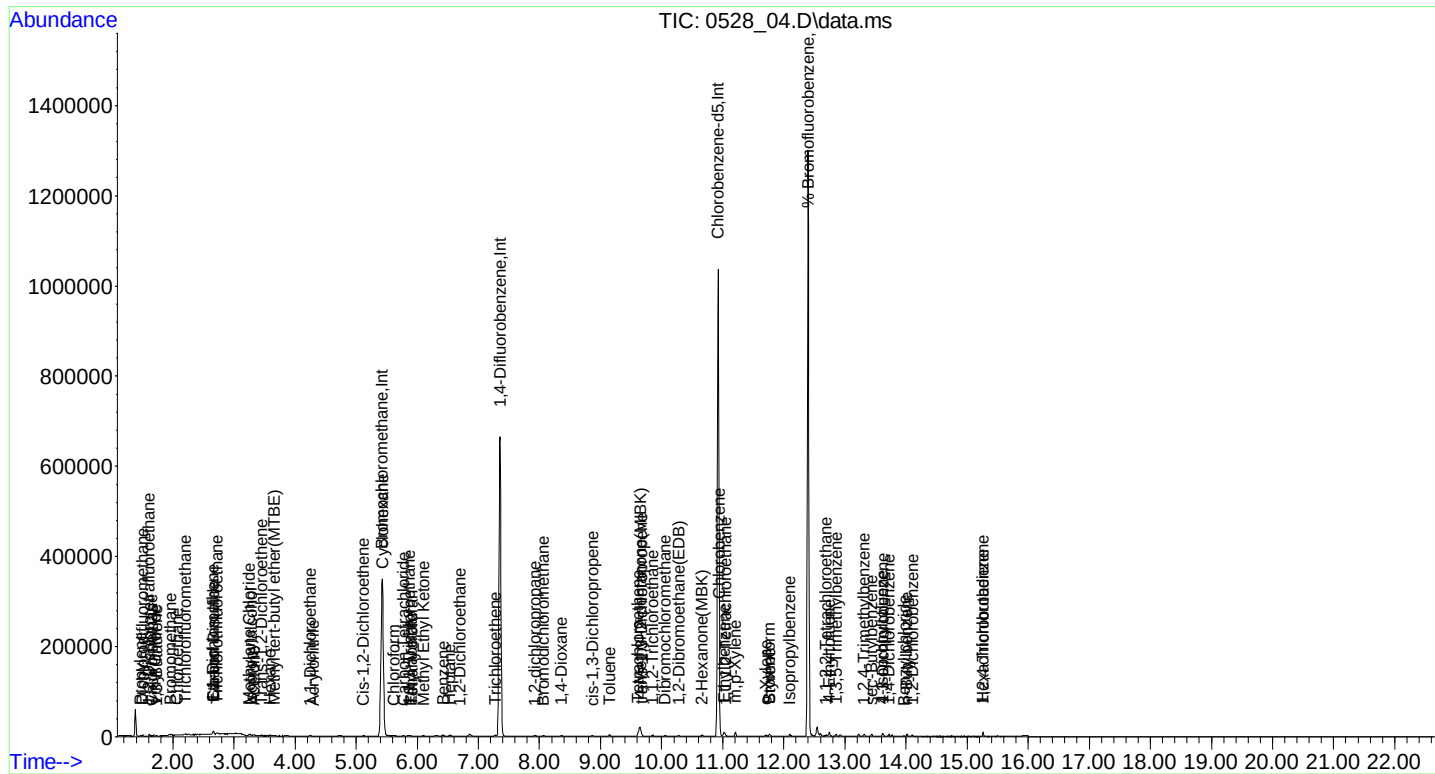
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

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Data Path : H:\AIR2020\CHEM24\05MAY\28\  
Data File : 0528_04.D  
Acq On : 28 May 2020 11:22 am  
Operator : Keith  
Client ID : ICAL 0.035  
Lab ID : 0.035  
ALS Vial : 8 Sample Multiplier: 1
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Quant Time: May 29 08:20:16 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri May 29 08:19:23 2020
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_05.D
 Acq On : 28 May 2020 11:54 am
 Operator : Keith
 Client ID : ICAL 0.05
 Lab ID : 0.05
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 08:20:52 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:20:31 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	179937	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.356	114	663874	10.000	ng	0.00
53) Chlorobenzene-d5	10.924	82	353463	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	178405	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	711885	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	371274	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	12.398	95	462791	9.651	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	1.478	41	1248	0.095	ppbv	87
3) Dichlorodifluoromethane	1.506	85	2423	0.063	ppbv	96
4) Chloromethane	1.649	50	1014	0.055	ppbv	88
5) 1,2-Dichlorotetrafluor...	1.615	135	1890	0.049	ppbv	95
6) Vinyl Chloride	1.718	62	1006	0.055	ppbv	86
7) 1,3-Butadiene	1.738	54	647	0.052	ppbv#	77
8) Bromomethane	1.971	94	1229	0.061	ppbv	99
9) Chloroethane	2.081	64	574	0.079	ppbv	100
10) Ethanol	2.670	45	781	0.127	ppbv#	73
12) Acetone	3.327	43	4306	0.127	ppbv	97
13) Trichlorofluoromethane	2.211	101	2433	0.054	ppbv	92
14) Isopropylalcohol	3.279	45	1880	0.056	ppbv#	67
15) Acrylonitrile	4.300	53	590	0.050	ppbv	88
16) 1,1-Dichloroethene	2.663	61	1510	0.056	ppbv	95
17) Methylene Chloride	3.258	49	1984	0.089	ppbv	99
20) Carbon Disulfide	2.663	76	5713	0.120	ppbv	93
21) Trichlorotrifluoroethane	2.718	101	1810	0.054	ppbv	95
22) Trans-1,2-Dichloroethene	3.456	61	1509	0.052	ppbv#	96
23) 1,1-Dichloroethane	4.242	63	1935	0.054	ppbv	97
24) Methyl tert-butyl ethe...	3.655	73	2346	0.049	ppbv	93
25) Methyl Ethyl Ketone	6.098	43	2168	0.054	ppbv	100
26) Cis-1,2-Dichloroethene	5.124	61	1412	0.050	ppbv#	59
27) Hexane	3.600	57	1789	0.049	ppbv#	48
28) Chloroform	5.622	83	2228	0.051	ppbv	96
29) Ethyl acetate	5.917	43	2920	0.065	ppbv	100
30) Tetrahydrofuran	5.925	41	145	0.012	ppbv	100
31) 1,2-Dichloroethane	6.713	62	1391	0.049	ppbv	89
32) 1,1,1-Trichloroethane	5.867	97	2099	0.051	ppbv#	84
33) Benzene	6.425	78	3617	0.061	ppbv	97
34) Carbon Tetrachloride	5.780	117	1941	0.046	ppbv	95
35) Cyclohexane	5.434	56	1682	0.059	ppbv#	70
37) 1,2-dichloropropane	7.925	63	1352	0.053	ppbv	82
38) Bromodichloromethane	8.075	83	2195	0.047	ppbv	89
39) Trichloroethene	7.281	130	1412	0.050	ppbv	96
41) 1,4-Dioxane	8.347	88	602	0.046	ppbv#	22
43) Heptane	6.542	43	2325	0.065	ppbv#	89
44) cis-1,3-Dichloropropene	8.867	75	1702	0.045	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.654	43	2447	0.051	ppbv#	88
46) trans-1,3-Dichloropropene	9.683	75	1481	0.044	ppbv#	49
47) 1,1,2-Trichloroethane	9.856	97	1245	0.047	ppbv	93
48) Toluene	9.148	91	4007	0.054	ppbv#	95
49) Dibromochloromethane	10.051	129	1952	0.040	ppbv	98
50) 2-Hexanone(MBK)	10.664	43	2569	0.053	ppbv	99
51) 1,2-Dibromoethane(EDB)	10.282	107	2104	0.046	ppbv	92

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_05.D
 Acq On : 28 May 2020 11:54 am
 Operator : Keith
 Client ID : ICAL 0.05
 Lab ID : 0.05
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 08:20:52 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:20:31 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	9.610	166	1746	0.049	ppbv	90
54)	1,1,1,2-Tetrachloroethane	11.041	131	1168	0.042	ppbv#	96
55)	Chlorobenzene	10.945	112	2851	0.050	ppbv#	63
56)	Ethylbenzene	11.027	91	4678	0.051	ppbv	99
57)	m,p-Xylene	11.206	91	7415	0.105	ppbv	98
58)	Bromoform	11.762	173	1832	0.039	ppbv	95
59)	Styrene	11.768	104	2527	0.048	ppbv	96
60)	1,1,2,2-Tetrachloroethane	12.690	83	2772	0.047	ppbv	96
61)	o-Xylene	11.707	91	3883	0.051	ppbv	98
64)	Isopropylbenzene	12.099	105	4757	0.051	ppbv	95
66)	4-Ethyltoluene	12.742	105	4927	0.050	ppbv	97
67)	1,3,5-Trimethylbenzene	12.859	105	4391	0.052	ppbv	97
68)	1,2,4-Trimethylbenzene	13.313	105	4101	0.050	ppbv#	98
70)	Benzyl chloride	13.968	91	1765	0.035	ppbv#	97
71)	1,3-Dichlorobenzene	13.631	146	2325	0.047	ppbv	99
72)	1,4-Dichlorobenzene	13.722	146	2405	0.050	ppbv	93
73)	sec-Butylbenzene	13.443	105	5410	0.051	ppbv	97
74)	4-Isopropyltoluene	13.611	119	4100	0.052	ppbv	97
75)	1,2-Dichlorobenzene	14.105	146	2113	0.054	ppbv	91
76)	n-Butylbenzene	14.014	91	3528	0.050	ppbv	97
77)	1,2,4-Trichlorobenzene	15.259	180	1136	0.047	ppbv	96
79)	Hexachlorobutadiene	15.264	225	1484	0.063	ppbv	97
81)	1,2-Dichlorotetrafluor...	1.615	135	1890	0.054	ppbv	95
82)	Vinyl Chloride(sim)	1.721	62	1083	0.053	ppbv	95
83)	Bromomethane(sim)	1.971	94	1229	0.054	ppbv	98
84)	Trichlorofluoromethane...	2.214	101	2617	0.052	ppbv	98
85)	1,1,1-Trichloroethane(sim)	5.867	97	2099	0.049	ppbv#	84
86)	Carbon Tetrachloride(sim)	5.776	117	2093	0.051	ppbv	99
87)	1,1-Dichloroethene(sim)	2.663	61	1510	0.052	ppbv	92
88)	Trichlorotrifluoroetha...	2.727	101	1992	0.053	ppbv	98
89)	Trans-1,2-Dichloroethe...	3.456	61	1509	0.049	ppbv#	96
90)	1,1-Dichloroethane(sim)	4.245	63	2019	0.053	ppbv	100
91)	Cis-1,2-Dichloroethene...	5.124	61	1412	0.048	ppbv#	49
92)	Chloroform(sim)	5.617	83	2389	0.052	ppbv	99
93)	1,2-Dichloroethane(sim)	6.713	62	1391	0.049	ppbv	89
95)	1,2-dichloropropane(sim)	7.925	63	1352	0.052	ppbv	82
96)	Bromodichloromethane(sim)	8.072	83	2295	0.050	ppbv	100
97)	Trichloroethene(sim)	7.281	130	1412	0.049	ppbv	96
98)	1,4-Dioxane(sim)	8.350	88	821	0.054	ppbv#	81
99)	cis-1,3-Dichloropropen...	8.867	75	1702	0.048	ppbv#	96
100)	1,1,2-Trichloroethane(...)	9.851	97	1390	0.050	ppbv	98
101)	Dibromochloromethane(sim)	10.051	129	1952	0.044	ppbv	99
102)	1,2-Dibromoethane(EDB)...	10.277	107	2250	0.049	ppbv	99
103)	Tetrachloroethene(sim)	9.610	166	1746	0.050	ppbv	97
105)	Bromoform(sim)	11.762	173	1832	0.045	ppbv#	65
106)	1,1,1,2-Tetrachloroeth...	11.044	131	1281	0.047	ppbv	99
107)	m,p-Xylene(sim)	11.206	91	7415	0.100	ppbv	98
108)	1,1,2,2-Tetrachloroeth...	12.693	83	2818	0.046	ppbv	100
111)	Benzyl chloride(sim)	13.968	91	1765	0.041	ppbv	97
112)	1,3-Dichlorobenzene(sim)	13.627	146	2683	0.049	ppbv	100
113)	1,4-Dichlorobenzene(sim)	13.722	146	2405	0.050	ppbv	93
114)	sec-Butylbenzene(sim)	13.439	105	5592	0.050	ppbv	99
115)	4-Isopropyltoluene(sim)	13.611	119	4100	0.051	ppbv	97
116)	1,2-Dichlorobenzene(sim)	14.101	146	2171	0.048	ppbv	99
117)	n-Butylbenzene(sim)	14.014	91	3528	0.049	ppbv	97
118)	1,2,4-Trichlorobenzene...	15.262	180	1391	0.048	ppbv	99
119)	Hexachlorobutadiene(sim)	15.264	225	1484	0.052	ppbv	88

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_05.D
 Acq On : 28 May 2020 11:54 am
 Operator : Keith
 Client ID : ICAL 0.05
 Lab ID : 0.05
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 29 08:20:52 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:20:31 2020
 Response via : Initial Calibration

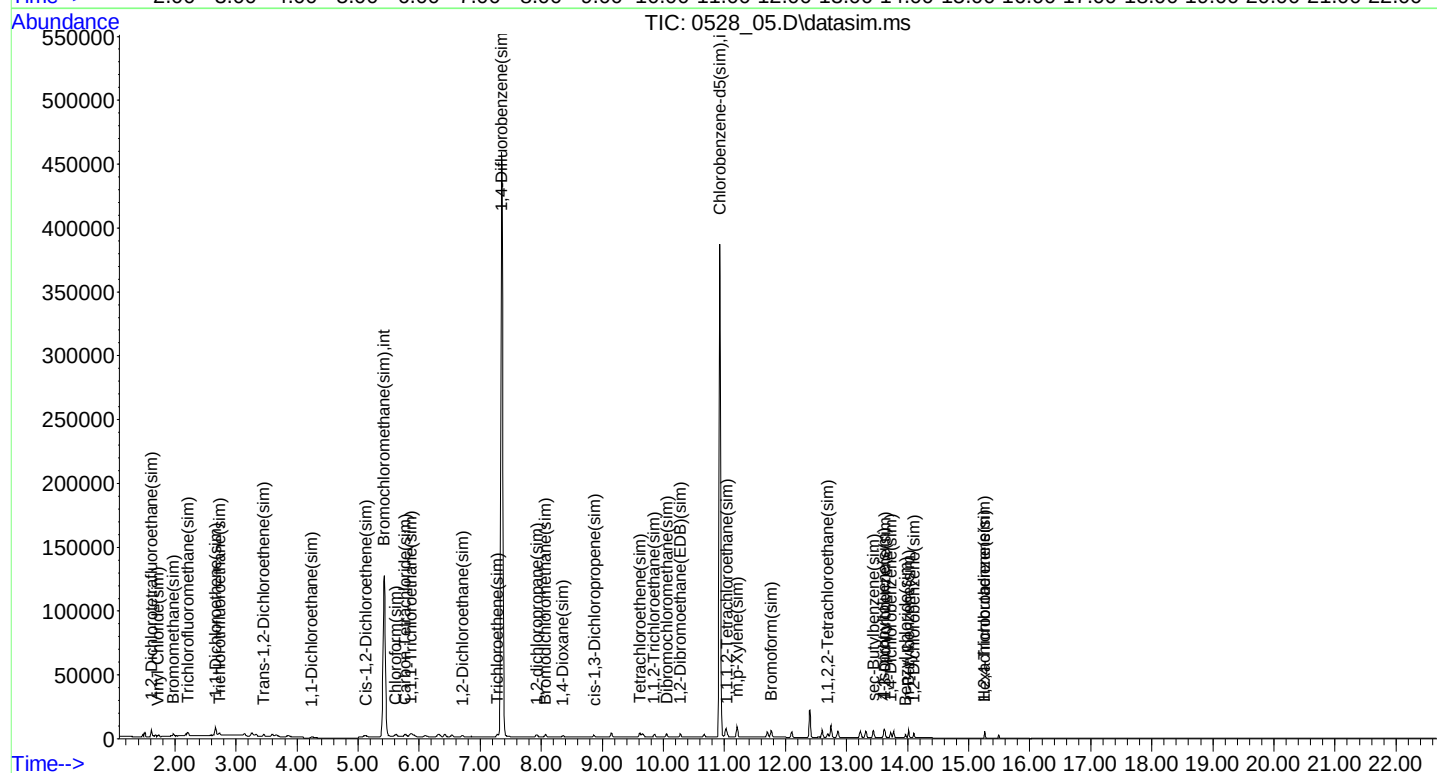
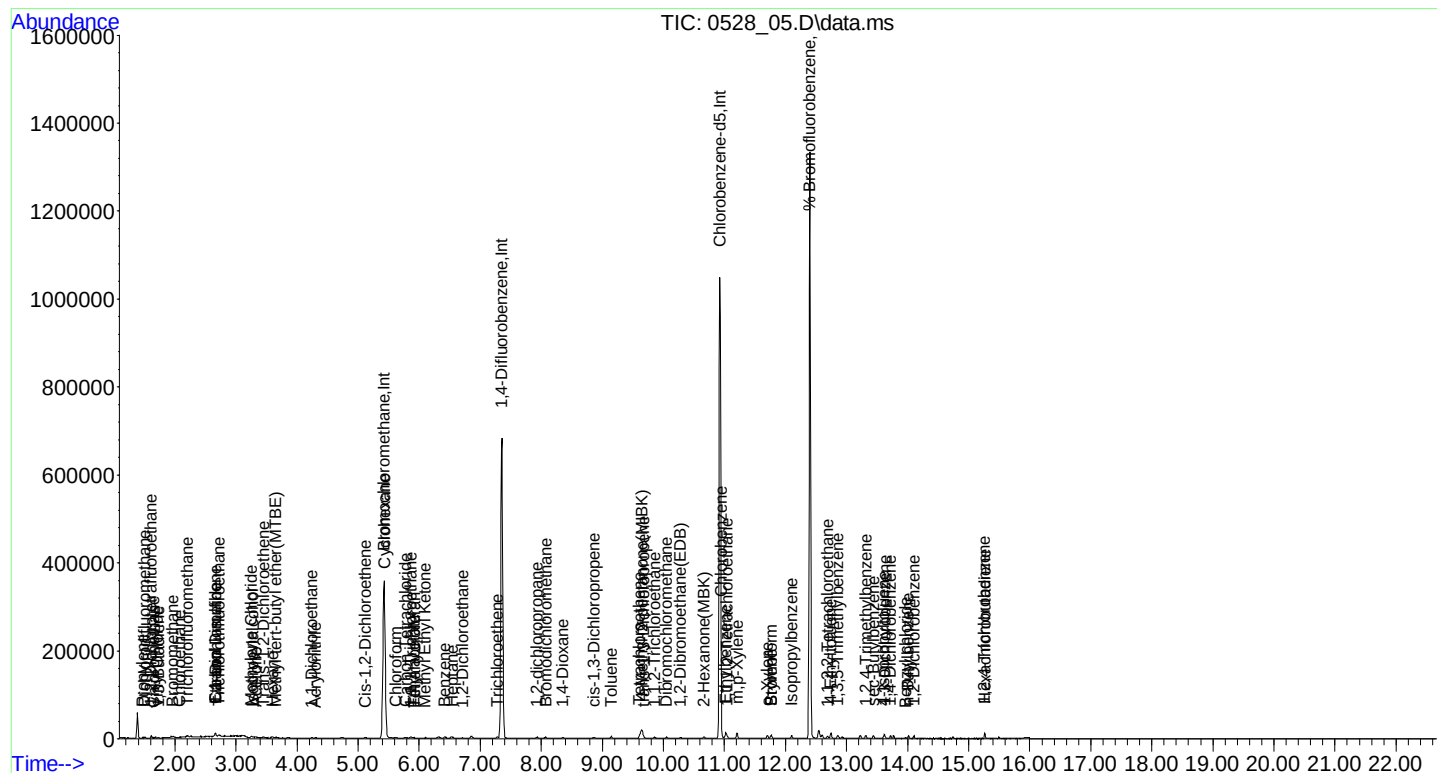
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (RF) (QT Reviewed)

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Data Path   : H:\AIR2020\CHEM24\05MAY\28\  
Data File  : 0528_05.D  
Acq On     : 28 May 2020  11:54 am  
Operator   : Keith  
Client ID  : ICAL 0.05  
Lab ID     : 0.05  
ALS Vial   : 9      Sample Multiplier: 1
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Quant Time: May 29 08:20:52 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 29 08:20:31 2020
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_06.D
 Acq On : 28 May 2020 12:26 pm
 Operator : Keith
 Client ID : ICAL 0.1
 Lab ID : 0.10
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 08:21:24 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:21:07 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	181117	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	662177	10.000	ng	0.00
53) Chlorobenzene-d5	10.925	82	354402	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	179531	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.353	114	712442	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	372854	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 12.398 95 477483 9.931 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 99.30%

Target Compounds

						Qvalue
2) Propylene	1.471	41	1874	0.142	ppbv	96
3) Dichlorodifluoromethane	1.506	85	4354	0.113	ppbv#	94
4) Chloromethane	1.650	50	1658	0.089	ppbv	87
5) 1,2-Dichlorotetrafluor...	1.615	135	3614	0.093	ppbv#	94
6) Vinyl Chloride	1.718	62	1848	0.100	ppbv	95
7) 1,3-Butadiene	1.739	54	1382	0.109	ppbv#	72
8) Bromomethane	1.972	94	2274	0.113	ppbv#	98
9) Chloroethane	2.081	64	891	0.122	ppbv	56
10) Ethanol	2.663	45	1240	0.201	ppbv#	52
12) Acetone	3.327	43	5936	0.174	ppbv	96
13) Trichlorofluoromethane	2.204	101	4698	0.103	ppbv	99
14) Isopropylalcohol	3.279	45	3460	0.102	ppbv#	65
15) Acrylonitrile	4.291	53	1145	0.097	ppbv#	68
16) 1,1-Dichloroethene	2.656	61	3050	0.112	ppbv	92
17) Methylene Chloride	3.251	49	3035	0.135	ppbv	98
20) Carbon Disulfide	2.663	76	7836	0.164	ppbv	99
21) Trichlorotrifluoroethane	2.725	101	3541	0.105	ppbv	96
22) Trans-1,2-Dichloroethene	3.450	61	2838	0.096	ppbv	98
23) 1,1-Dichloroethane	4.242	63	3765	0.104	ppbv	86
24) Methyl tert-butyl ethe...	3.655	73	4895	0.101	ppbv#	42
25) Methyl Ethyl Ketone	6.090	43	4432	0.110	ppbv#	75
26) Cis-1,2-Dichloroethene	5.125	61	2776	0.097	ppbv#	90
27) Hexane	3.600	57	3446	0.094	ppbv#	71
28) Chloroform	5.622	83	4499	0.102	ppbv	96
29) Ethyl acetate	5.917	43	5619	0.125	ppbv	100
30) Tetrahydrofuran	5.932	41	69	0.006	ppbv	100
31) 1,2-Dichloroethane	6.706	62	2938	0.102	ppbv#	90
32) 1,1,1-Trichloroethane	5.874	97	4226	0.103	ppbv#	92
33) Benzene	6.418	78	6576	0.110	ppbv	98
34) Carbon Tetrachloride	5.780	117	4065	0.097	ppbv	90
35) Cyclohexane	5.434	56	3205	0.111	ppbv#	79
37) 1,2-dichloropropane	7.925	63	2575	0.101	ppbv#	72
38) Bromodichloromethane	8.069	83	4303	0.093	ppbv	99
39) Trichloroethene	7.281	130	2793	0.099	ppbv	98
41) 1,4-Dioxane	8.347	88	1172	0.090	ppbv	99
43) Heptane	6.542	43	4135	0.116	ppbv	94
44) cis-1,3-Dichloropropene	8.860	75	3313	0.088	ppbv	94
45) 4-Methyl-2-pentanone(M...	9.654	43	4746	0.099	ppbv#	89
46) trans-1,3-Dichloropropene	9.675	75	3302	0.098	ppbv#	86
47) 1,1,2-Trichloroethane	9.856	97	2640	0.100	ppbv	97
48) Toluene	9.148	91	7734	0.104	ppbv	99
49) Dibromochloromethane	10.051	129	4237	0.087	ppbv#	98
50) 2-Hexanone(MBK)	10.664	43	4527	0.093	ppbv	92
51) 1,2-Dibromoethane(EDB)	10.282	107	4491	0.098	ppbv	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_06.D
 Acq On : 28 May 2020 12:26 pm
 Operator : Keith
 Client ID : ICAL 0.1
 Lab ID : 0.10
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 08:21:24 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:21:07 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	9.610	166	3558	0.101	ppbv	99
54)	1,1,1,2-Tetrachloroethane	11.041	131	2581	0.093	ppbv#	91
55)	Chlorobenzene	10.945	112	5652	0.099	ppbv#	54
56)	Ethylbenzene	11.021	91	9565	0.104	ppbv	98
57)	m,p-Xylene	11.206	91	14716	0.209	ppbv	98
58)	Bromoform	11.762	173	3693	0.079	ppbv#	91
59)	Styrene	11.775	104	5241	0.098	ppbv	98
60)	1,1,2,2-Tetrachloroethane	12.690	83	5805	0.099	ppbv	99
61)	o-Xylene	11.700	91	7836	0.103	ppbv	99
64)	Isopropylbenzene	12.100	105	9123	0.098	ppbv	97
66)	4-Ethyltoluene	12.742	105	9802	0.099	ppbv	94
67)	1,3,5-Trimethylbenzene	12.859	105	8666	0.102	ppbv	99
68)	1,2,4-Trimethylbenzene	13.320	105	8182	0.100	ppbv	99
70)	Benzyl chloride	13.962	91	3614	0.072	ppbv#	86
71)	1,3-Dichlorobenzene	13.624	146	4844	0.098	ppbv	97
72)	1,4-Dichlorobenzene	13.722	146	4798	0.099	ppbv	97
73)	sec-Butylbenzene	13.436	105	10551	0.099	ppbv	97
74)	4-Isopropyltoluene	13.612	119	7856	0.099	ppbv	95
75)	1,2-Dichlorobenzene	14.098	146	3829	0.098	ppbv	89
76)	n-Butylbenzene	14.014	91	6915	0.097	ppbv	97
77)	1,2,4-Trichlorobenzene	15.259	180	2133	0.088	ppbv	94
79)	Hexachlorobutadiene	15.264	225	2725	0.116	ppbv	100
81)	1,2-Dichlorotetrafluor...	1.615	135	3614	0.103	ppbv#	94
82)	Vinyl Chloride(sim)	1.721	62	2064	0.101	ppbv	95
83)	Bromomethane(sim)	1.972	94	2274	0.099	ppbv#	98
84)	Trichlorofluoromethane...	2.207	101	4972	0.098	ppbv	100
85)	1,1,1-Trichloroethane...	5.874	97	4226	0.099	ppbv#	92
86)	Carbon Tetrachloride(sim)	5.776	117	4110	0.099	ppbv	99
87)	1,1-Dichloroethene(sim)	2.656	61	3050	0.105	ppbv#	89
88)	Trichlorotrifluoroetha...	2.728	101	3788	0.100	ppbv	99
89)	Trans-1,2-Dichloroethe...	3.450	61	2838	0.092	ppbv	98
90)	1,1-Dichloroethane(sim)	4.245	63	3849	0.100	ppbv	100
91)	Cis-1,2-Dichloroethene...	5.125	61	2776	0.095	ppbv#	90
92)	Chloroform(sim)	5.618	83	4625	0.100	ppbv	99
93)	1,2-Dichloroethane(sim)	6.706	62	2938	0.102	ppbv	90
95)	1,2-dichloropropane(sim)	7.925	63	2575	0.099	ppbv#	72
96)	Bromodichloromethane(sim)	8.072	83	4573	0.099	ppbv	100
97)	Trichloroethene(sim)	7.281	130	2793	0.097	ppbv	97
98)	1,4-Dioxane(sim)	8.350	88	1460	0.096	ppbv#	66
99)	cis-1,3-Dichloropropen...	8.860	75	3313	0.094	ppbv#	94
100)	1,1,2-Trichloroethane(...)	9.852	97	2809	0.100	ppbv	99
101)	Dibromochloromethane(sim)	10.051	129	4237	0.095	ppbv	100
102)	1,2-Dibromoethane(EDB)...	10.278	107	4616	0.100	ppbv	100
103)	Tetrachloroethene(sim)	9.610	166	3558	0.101	ppbv	99
105)	Bromoform(sim)	11.762	173	3693	0.090	ppbv#	79
106)	1,1,1,2-Tetrachloroeth...	11.044	131	2674	0.097	ppbv	97
107)	m,p-Xylene(sim)	11.206	91	14716	0.197	ppbv	98
108)	1,1,2,2-Tetrachloroeth...	12.693	83	5924	0.097	ppbv	99
111)	Benzyl chloride(sim)	13.962	91	3614	0.084	ppbv	86
112)	1,3-Dichlorobenzene(sim)	13.627	146	5358	0.097	ppbv	100
113)	1,4-Dichlorobenzene(sim)	13.722	146	4798	0.099	ppbv	97
114)	sec-Butylbenzene(sim)	13.439	105	11032	0.097	ppbv	100
115)	4-Isopropyltoluene(sim)	13.612	119	7856	0.097	ppbv	95
116)	1,2-Dichlorobenzene(sim)	14.101	146	4244	0.094	ppbv	100
117)	n-Butylbenzene(sim)	14.014	91	6915	0.095	ppbv	97
118)	1,2,4-Trichlorobenzene...	15.262	180	2565	0.088	ppbv	100
119)	Hexachlorobutadiene(sim)	15.264	225	2725	0.096	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_06.D
 Acq On : 28 May 2020 12:26 pm
 Operator : Keith
 Client ID : ICAL 0.1
 Lab ID : 0.10
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 29 08:21:24 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:21:07 2020
 Response via : Initial Calibration

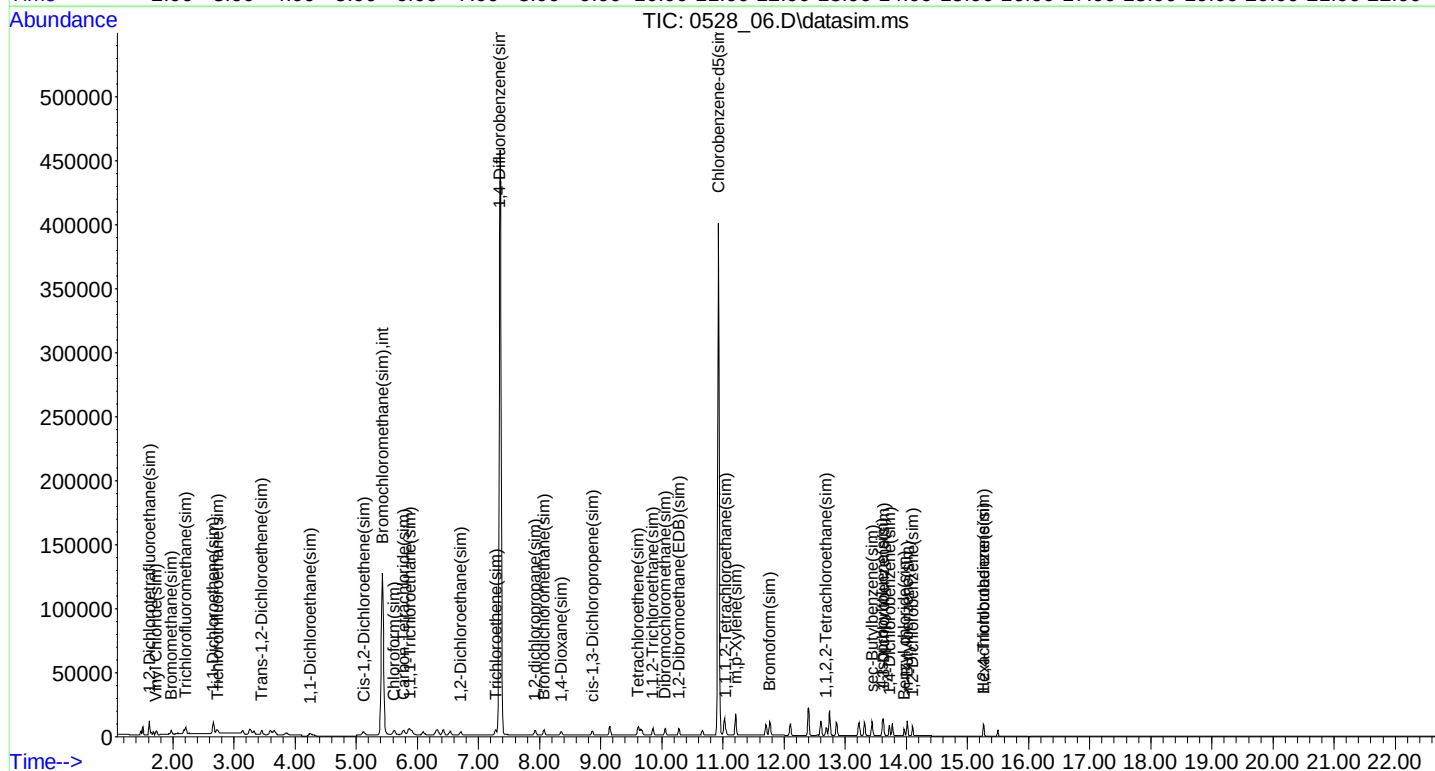
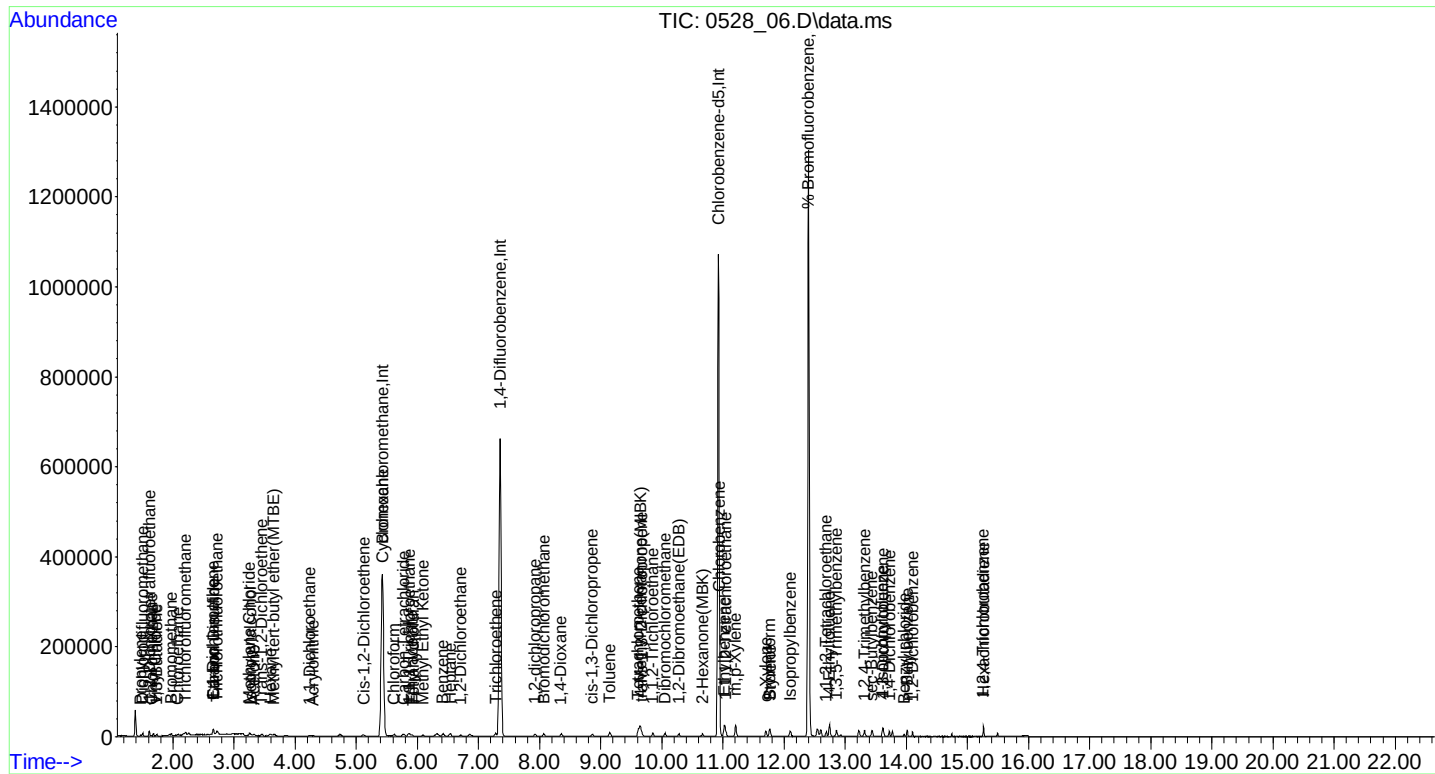
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (RF) (QT Reviewed)

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Data Path : H:\AIR2020\CHEM24\05MAY\28\  
Data File : 0528_06.D  
Acq On : 28 May 2020 12:26 pm  
Operator : Keith  
Client ID : ICAL 0.1  
Lab ID : 0.10  
ALS Vial : 10 Sample Multiplier: 1
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Quant Time: May 29 08:21:24 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri May 29 08:21:07 2020
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_07.D
 Acq On : 28 May 2020 1:03 pm
 Operator : Keith
 Client ID : ICAL 0.5
 Lab ID : 0.5
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 08:17:34 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:17:15 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	179979	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	661647	10.000	ng	0.00
53) Chlorobenzene-d5	10.925	82	351452	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	178724	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.353	114	710357	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	369165	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	12.398	95	470798	9.857	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	1.471	41	6812	0.519	ppbv	97
3) Dichlorodifluoromethane	1.506	85	17886	0.468	ppbv	100
4) Chloromethane	1.643	50	8761	0.474	ppbv	95
5) 1,2-Dichlorotetrafluor...	1.615	135	15123	0.391	ppbv	99
6) Vinyl Chloride	1.718	62	9114	0.495	ppbv	97
7) 1,3-Butadiene	1.739	54	6153	0.490	ppbv	92
8) Bromomethane	1.971	94	9775	0.488	ppbv	99
9) Chloroethane	2.081	64	3678	0.506	ppbv	96
10) Ethanol	2.663	45	3647	0.594	ppbv#	91
12) Acetone	3.320	43	19862	0.584	ppbv#	89
13) Trichlorofluoromethane	2.204	101	23060	0.507	ppbv	99
14) Isopropylalcohol	3.272	45	16880	0.500	ppbv#	1
15) Acrylonitrile	4.291	53	5601	0.477	ppbv	98
16) 1,1-Dichloroethene	2.656	61	13994	0.516	ppbv	99
17) Methylene Chloride	3.251	49	11751	0.524	ppbv	99
20) Carbon Disulfide	2.663	76	26170	0.551	ppbv	97
21) Trichlorotrifluoroethane	2.725	101	16880	0.504	ppbv	98
22) Trans-1,2-Dichloroethene	3.450	61	14771	0.504	ppbv	99
23) 1,1-Dichloroethane	4.247	63	17683	0.492	ppbv	99
24) Methyl tert-butyl ethe...	3.641	73	24764	0.512	ppbv	95
25) Methyl Ethyl Ketone	6.083	43	19429	0.485	ppbv	100
26) Cis-1,2-Dichloroethene	5.117	61	13978	0.492	ppbv	99
27) Hexane	3.593	57	19446	0.532	ppbv#	84
28) Chloroform	5.622	83	21343	0.489	ppbv	100
29) Ethyl acetate	5.903	43	21794	0.487	ppbv	98
30) Tetrahydrofuran	5.845	41	6379	0.540	ppbv	91
31) 1,2-Dichloroethane	6.706	62	14270	0.499	ppbv	99
32) 1,1,1-Trichloroethane	5.874	97	19956	0.488	ppbv	98
33) Benzene	6.425	78	29595	0.496	ppbv	99
34) Carbon Tetrachloride	5.773	117	20021	0.479	ppbv	99
35) Cyclohexane	5.434	56	14569	0.507	ppbv	96
37) 1,2-dichloropropane	7.925	63	12472	0.492	ppbv	96
38) Bromodichloromethane	8.069	83	21729	0.470	ppbv	99
39) Trichloroethene	7.281	130	13794	0.491	ppbv	99
41) 1,4-Dioxane	8.340	88	5846	0.450	ppbv#	97
43) Heptane	6.535	43	17964	0.506	ppbv	98
44) cis-1,3-Dichloropropene	8.860	75	17630	0.470	ppbv	98
45) 4-Methyl-2-pentanone(M...	9.647	43	23786	0.498	ppbv	99
46) trans-1,3-Dichloropropene	9.675	75	15549	0.464	ppbv	99
47) 1,1,2-Trichloroethane	9.856	97	13193	0.498	ppbv	98
48) Toluene	9.148	91	36634	0.494	ppbv	99
49) Dibromochloromethane	10.051	129	22250	0.455	ppbv	97
50) 2-Hexanone(MBK)	10.664	43	23673	0.489	ppbv	98
51) 1,2-Dibromoethane(EDB)	10.282	107	21932	0.478	ppbv	100

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_07.D
 Acq On : 28 May 2020 1:03 pm
 Operator : Keith
 Client ID : ICAL 0.5
 Lab ID : 0.5
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 08:17:34 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:17:15 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	9.610	166	17418	0.494	ppbv	99
54)	1,1,1,2-Tetrachloroethane	11.048	131	13271	0.480	ppbv	100
55)	Chlorobenzene	10.945	112	27761	0.491	ppbv	85
56)	Ethylbenzene	11.021	91	46795	0.512	ppbv	99
57)	m,p-Xylene	11.206	91	73249	1.047	ppbv	100
58)	Bromoform	11.762	173	20591	0.445	ppbv	99
59)	Styrene	11.769	104	26153	0.495	ppbv	99
60)	1,1,2,2-Tetrachloroethane	12.690	83	28802	0.493	ppbv	100
61)	o-Xylene	11.707	91	37605	0.497	ppbv	99
64)	Isopropylbenzene	12.100	105	46987	0.508	ppbv	100
66)	4-Ethyltoluene	12.742	105	49753	0.509	ppbv	99
67)	1,3,5-Trimethylbenzene	12.859	105	41528	0.492	ppbv	99
68)	1,2,4-Trimethylbenzene	13.313	105	39957	0.494	ppbv	100
70)	Benzyl chloride	13.968	91	20497	0.409	ppbv	100
71)	1,3-Dichlorobenzene	13.624	146	25191	0.515	ppbv	100
72)	1,4-Dichlorobenzene	13.722	146	24036	0.498	ppbv	99
73)	sec-Butylbenzene	13.443	105	53421	0.506	ppbv	99
74)	4-Isopropyltoluene	13.611	119	40239	0.513	ppbv	99
75)	1,2-Dichlorobenzene	14.098	146	19974	0.514	ppbv	99
76)	n-Butylbenzene	14.014	91	35576	0.505	ppbv	100
77)	1,2,4-Trichlorobenzene	15.259	180	11405	0.477	ppbv	100
79)	Hexachlorobutadiene	15.269	225	12598	0.542	ppbv	100
81)	1,2-Dichlorotetrafluor...	1.615	135	15123	0.432	ppbv	99
82)	Vinyl Chloride(sim)	1.721	62	9740	0.479	ppbv	100
83)	Bromomethane(sim)	1.971	94	9775	0.427	ppbv	99
84)	Trichlorofluoromethane...	2.207	101	24210	0.479	ppbv	100
85)	1,1,1-Trichloroethane(...	5.874	97	19956	0.467	ppbv#	98
86)	Carbon Tetrachloride(sim)	5.776	117	20038	0.485	ppbv	100
87)	1,1-Dichloroethene(sim)	2.656	61	13994	0.484	ppbv	99
88)	Trichlorotrifluoroetha...	2.728	101	18014	0.476	ppbv	100
89)	Trans-1,2-Dichloroethe...	3.450	61	14771	0.483	ppbv	99
90)	1,1-Dichloroethane(sim)	4.245	63	18552	0.482	ppbv	100
91)	Cis-1,2-Dichloroethene...	5.117	61	13978	0.479	ppbv	99
92)	Chloroform(sim)	5.618	83	22274	0.485	ppbv	100
93)	1,2-Dichloroethane(sim)	6.706	62	14270	0.499	ppbv	99
95)	1,2-dichloropropane(sim)	7.925	63	12472	0.481	ppbv	96
96)	Bromodichloromethane(sim)	8.072	83	22637	0.491	ppbv	100
97)	Trichloroethene(sim)	7.281	130	13794	0.482	ppbv	99
98)	1,4-Dioxane(sim)	8.336	88	6910	0.458	ppbv	97
99)	cis-1,3-Dichloropropen...	8.860	75	17630	0.503	ppbv	98
100)	1,1,2-Trichloroethane(...	9.852	97	13598	0.488	ppbv	100
101)	Dibromochloromethane(sim)	10.051	129	22250	0.499	ppbv	96
102)	1,2-Dibromoethane(EDB)...	10.278	107	22903	0.498	ppbv	100
103)	Tetrachloroethene(sim)	9.610	166	17418	0.495	ppbv	99
105)	Bromoform(sim)	11.762	173	20519	0.506	ppbv	99
106)	1,1,1,2-Tetrachloroeth...	11.044	131	13725	0.503	ppbv	100
107)	m,p-Xylene(sim)	11.206	91	73249	0.990	ppbv	100
108)	1,1,2,2-Tetrachloroeth...	12.693	83	29505	0.486	ppbv	100
111)	Benzyl chloride(sim)	13.968	91	20497	0.480	ppbv	100
112)	1,3-Dichlorobenzene(sim)	13.627	146	27175	0.499	ppbv	100
113)	1,4-Dichlorobenzene(sim)	13.722	146	24036	0.499	ppbv	99
114)	sec-Butylbenzene(sim)	13.439	105	56535	0.504	ppbv	100
115)	4-Isopropyltoluene(sim)	13.611	119	40239	0.504	ppbv	99
116)	1,2-Dichlorobenzene(sim)	14.101	146	21480	0.479	ppbv	100
117)	n-Butylbenzene(sim)	14.014	91	35576	0.492	ppbv	100
118)	1,2,4-Trichlorobenzene...	15.262	180	12715	0.440	ppbv	99
119)	Hexachlorobutadiene(sim)	15.269	225	12598	0.448	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_07.D
 Acq On : 28 May 2020 1:03 pm
 Operator : Keith
 Client ID : ICAL 0.5
 Lab ID : 0.5
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 29 08:17:34 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:17:15 2020
 Response via : Initial Calibration

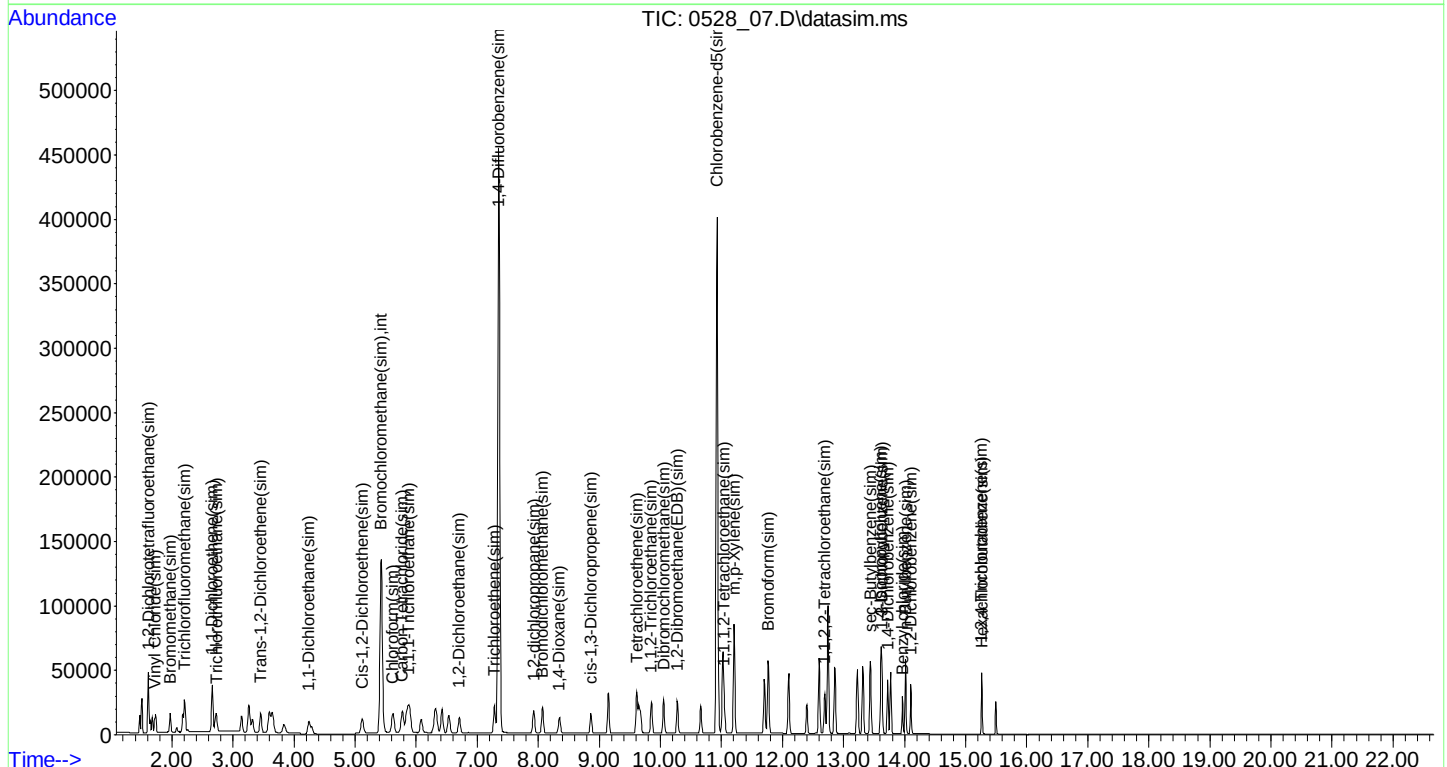
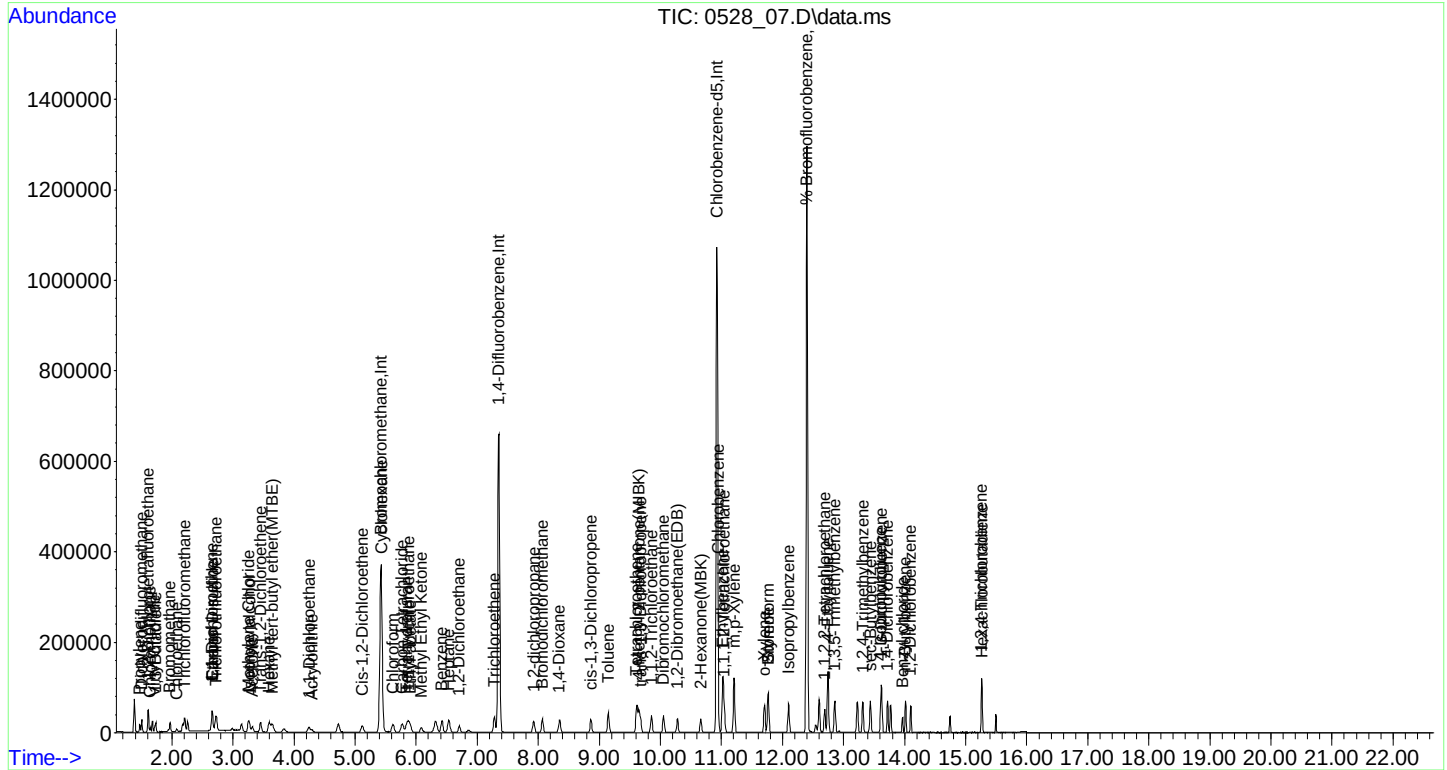
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

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Data Path : H:\AIR2020\CHEM24\05MAY\28\  
Data File : 0528_07.D  
Acq On : 28 May 2020 1:03 pm  
Operator : Keith  
Client ID : ICAL 0.5  
Lab ID : 0.5  
ALS Vial : 11 Sample Multiplier: 1
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Quant Time: May 29 08:17:34 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri May 29 08:17:15 2020
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_08.D
 Acq On : 28 May 2020 1:40 pm
 Operator : Keith
 Client ID : ICAL 2.5
 Lab ID : 2.5
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 08:17:08 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:16:46 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	176150	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	643146	10.000	ng	0.00
53) Chlorobenzene-d5	10.925	82	341632	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	174740	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.360	114	688916	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.928	82	360743	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	12.398	95	459708	9.885	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.80%

Target Compounds

						Qvalue
2) Propylene	1.472	41	30010	2.336	ppbv	99
3) Dichlorodifluoromethane	1.506	85	85062	2.273	ppbv	100
4) Chloromethane	1.643	50	41336	2.285	ppbv	100
5) 1,2-Dichlorotetrafluor...	1.609	135	71516	1.847	ppbv	99
6) Vinyl Chloride	1.718	62	45154	2.505	ppbv	100
7) 1,3-Butadiene	1.739	54	30393	2.474	ppbv	99
8) Bromomethane	1.972	94	47095	2.404	ppbv	99
9) Chloroethane	2.081	64	16870	2.370	ppbv	98
10) Ethanol	2.650	45	14016	2.331	ppbv#	93
12) Acetone	3.313	43	70435	2.118	ppbv	98
13) Trichlorofluoromethane	2.205	101	111333	2.503	ppbv	100
14) Isopropylalcohol	3.258	45	82099	2.486	ppbv	99
15) Acrylonitrile	4.286	53	27936	2.433	ppbv	99
16) 1,1-Dichloroethene	2.656	61	65341	2.463	ppbv	99
17) Methylene Chloride	3.252	49	53643	2.445	ppbv	100
20) Carbon Disulfide	2.663	76	114188	2.458	ppbv	98
21) Trichlorotrifluoroethane	2.718	101	81508	2.485	ppbv	99
22) Trans-1,2-Dichloroethene	3.450	61	71360	2.488	ppbv	100
23) 1,1-Dichloroethane	4.242	63	85484	2.432	ppbv	100
24) Methyl tert-butyl ethe...	3.635	73	116937	2.472	ppbv	100
25) Methyl Ethyl Ketone	6.076	43	96039	2.450	ppbv	100
26) Cis-1,2-Dichloroethene	5.117	61	68453	2.462	ppbv	99
27) Hexane	3.594	57	91019	2.543	ppbv	99
28) Chloroform	5.622	83	104266	2.440	ppbv	100
29) Ethyl acetate	5.896	43	106341	2.429	ppbv	99
30) Tetrahydrofuran	5.824	41	28696	2.482	ppbv	96
31) 1,2-Dichloroethane	6.706	62	68187	2.437	ppbv	99
32) 1,1,1-Trichloroethane	5.867	97	98969	2.471	ppbv	99
33) Benzene	6.425	78	141357	2.421	ppbv	100
34) Carbon Tetrachloride	5.773	117	98529	2.409	ppbv	99
35) Cyclohexane	5.435	56	69052	2.457	ppbv	99
37) 1,2-dichloropropane	7.925	63	59848	2.427	ppbv	99
38) Bromodichloromethane	8.069	83	108847	2.424	ppbv	100
39) Trichloroethene	7.281	130	66770	2.446	ppbv	99
41) 1,4-Dioxane	8.326	88	31504	2.495	ppbv	98
43) Heptane	6.535	43	83261	2.412	ppbv	100
44) cis-1,3-Dichloropropene	8.867	75	89240	2.449	ppbv	99
45) 4-Methyl-2-pentanone(M...	9.647	43	115729	2.491	ppbv	100
46) trans-1,3-Dichloropropene	9.676	75	79507	2.440	ppbv	99
47) 1,1,2-Trichloroethane	9.856	97	63381	2.462	ppbv	100
48) Toluene	9.149	91	176622	2.450	ppbv	100
49) Dibromochloromethane	10.051	129	117462	2.473	ppbv	99
50) 2-Hexanone(MBK)	10.657	43	117071	2.486	ppbv	99
51) 1,2-Dibromoethane(EDB)	10.282	107	109333	2.450	ppbv	100

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_08.D
 Acq On : 28 May 2020 1:40 pm
 Operator : Keith
 Client ID : ICAL 2.5
 Lab ID : 2.5
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 08:17:08 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:16:46 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	9.611	166	83824	2.447	ppbv	100
54)	1,1,1,2-Tetrachloroethane	11.048	131	66767	2.486	ppbv	100
55)	Chlorobenzene	10.945	112	134722	2.452	ppbv	98
56)	Ethylbenzene	11.028	91	223854	2.521	ppbv	100
57)	m,p-Xylene	11.206	91	346809	5.099	ppbv	100
58)	Bromoform	11.762	173	114732	2.549	ppbv	100
59)	Styrene	11.769	104	128222	2.497	ppbv	100
60)	1,1,2,2-Tetrachloroethane	12.690	83	139506	2.456	ppbv#	93
61)	o-Xylene	11.707	91	181536	2.471	ppbv	100
64)	Isopropylbenzene	12.100	105	220909	2.457	ppbv	100
66)	4-Ethyltoluene	12.742	105	239196	2.518	ppbv	99
67)	1,3,5-Trimethylbenzene	12.859	105	202425	2.465	ppbv	100
68)	1,2,4-Trimethylbenzene	13.320	105	194115	2.470	ppbv	100
70)	Benzyl chloride	13.969	91	120685	2.479	ppbv	100
71)	1,3-Dichlorobenzene	13.625	146	121921	2.563	ppbv	100
72)	1,4-Dichlorobenzene	13.722	146	116950	2.492	ppbv	100
73)	sec-Butylbenzene	13.443	105	257965	2.513	ppbv	100
74)	4-Isopropyltoluene	13.612	119	193884	2.542	ppbv	99
75)	1,2-Dichlorobenzene	14.105	146	94760	2.509	ppbv	99
76)	n-Butylbenzene	14.014	91	176214	2.576	ppbv	100
77)	1,2,4-Trichlorobenzene	15.259	180	58898	2.535	ppbv	100
79)	Hexachlorobutadiene	15.264	225	59427	2.631	ppbv	100
81)	1,2-Dichlorotetrafluor...	1.609	135	71516	2.089	ppbv	99
82)	Vinyl Chloride(sim)	1.714	62	47627	2.396	ppbv	100
83)	Bromomethane(sim)	1.972	94	47095	2.106	ppbv	99
84)	Trichlorofluoromethane...	2.207	101	115772	2.340	ppbv	100
85)	1,1,1-Trichloroethane...	5.867	97	98969	2.371	ppbv#	99
86)	Carbon Tetrachloride(sim)	5.776	117	100431	2.487	ppbv	100
87)	1,1-Dichloroethene(sim)	2.656	61	65341	2.312	ppbv	99
88)	Trichlorotrifluoroetha...	2.721	101	86296	2.332	ppbv	100
89)	Trans-1,2-Dichloroethe...	3.450	61	71360	2.385	ppbv	100
90)	1,1-Dichloroethane(sim)	4.245	63	89522	2.378	ppbv	100
91)	Cis-1,2-Dichloroethene...	5.117	61	68453	2.399	ppbv	99
92)	Chloroform(sim)	5.625	83	107803	2.401	ppbv	100
93)	1,2-Dichloroethane(sim)	6.706	62	68187	2.439	ppbv	99
95)	1,2-dichloropropane(sim)	7.925	63	59848	2.382	ppbv	99
96)	Bromodichloromethane(sim)	8.072	83	113882	2.548	ppbv	100
97)	Trichloroethene(sim)	7.281	130	66770	2.404	ppbv	99
98)	1,4-Dioxane(sim)	8.328	88	34245	2.338	ppbv	99
99)	cis-1,3-Dichloropropen...	8.867	75	89240	2.627	ppbv	99
100)	1,1,2-Trichloroethane...	9.852	97	65777	2.432	ppbv	100
101)	Dibromochloromethane(sim)	10.051	129	117462	2.715	ppbv	99
102)	1,2-Dibromoethane(EDB)...	10.278	107	113010	2.532	ppbv	100
103)	Tetrachloroethene(sim)	9.611	166	83824	2.456	ppbv	100
105)	Bromoform(sim)	11.762	173	114732	2.894	ppbv	99
106)	1,1,1,2-Tetrachloroeth...	11.044	131	69138	2.594	ppbv	100
107)	m,p-Xylene(sim)	11.206	91	346888	4.799	ppbv	100
108)	1,1,2,2-Tetrachloroeth...	12.693	83	144334	2.433	ppbv	100
111)	Benzyl chloride(sim)	13.969	91	120685	2.890	ppbv	100
112)	1,3-Dichlorobenzene(sim)	13.628	146	130520	2.453	ppbv	100
113)	1,4-Dichlorobenzene(sim)	13.722	146	116950	2.482	ppbv	100
114)	sec-Butylbenzene(sim)	13.439	105	273056	2.493	ppbv	100
115)	4-Isopropyltoluene(sim)	13.612	119	193884	2.486	ppbv	99
116)	1,2-Dichlorobenzene(sim)	14.101	146	102221	2.332	ppbv	100
117)	n-Butylbenzene(sim)	14.014	91	176214	2.493	ppbv	100
118)	1,2,4-Trichlorobenzene...	15.262	180	64594	2.287	ppbv	100
119)	Hexachlorobutadiene(sim)	15.264	225	59427	2.162	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_08.D
 Acq On : 28 May 2020 1:40 pm
 Operator : Keith
 Client ID : ICAL 2.5
 Lab ID : 2.5
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 08:17:08 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:16:46 2020
 Response via : Initial Calibration

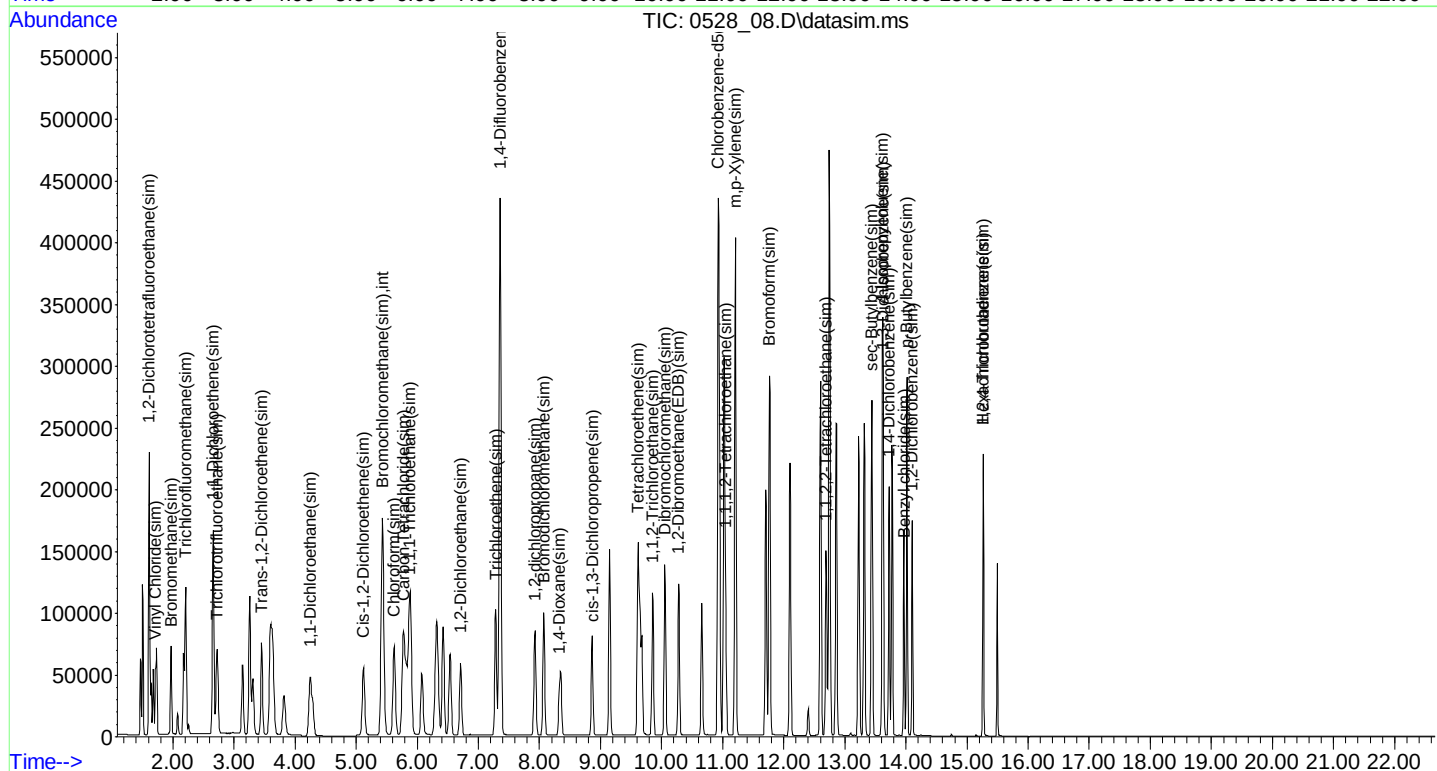
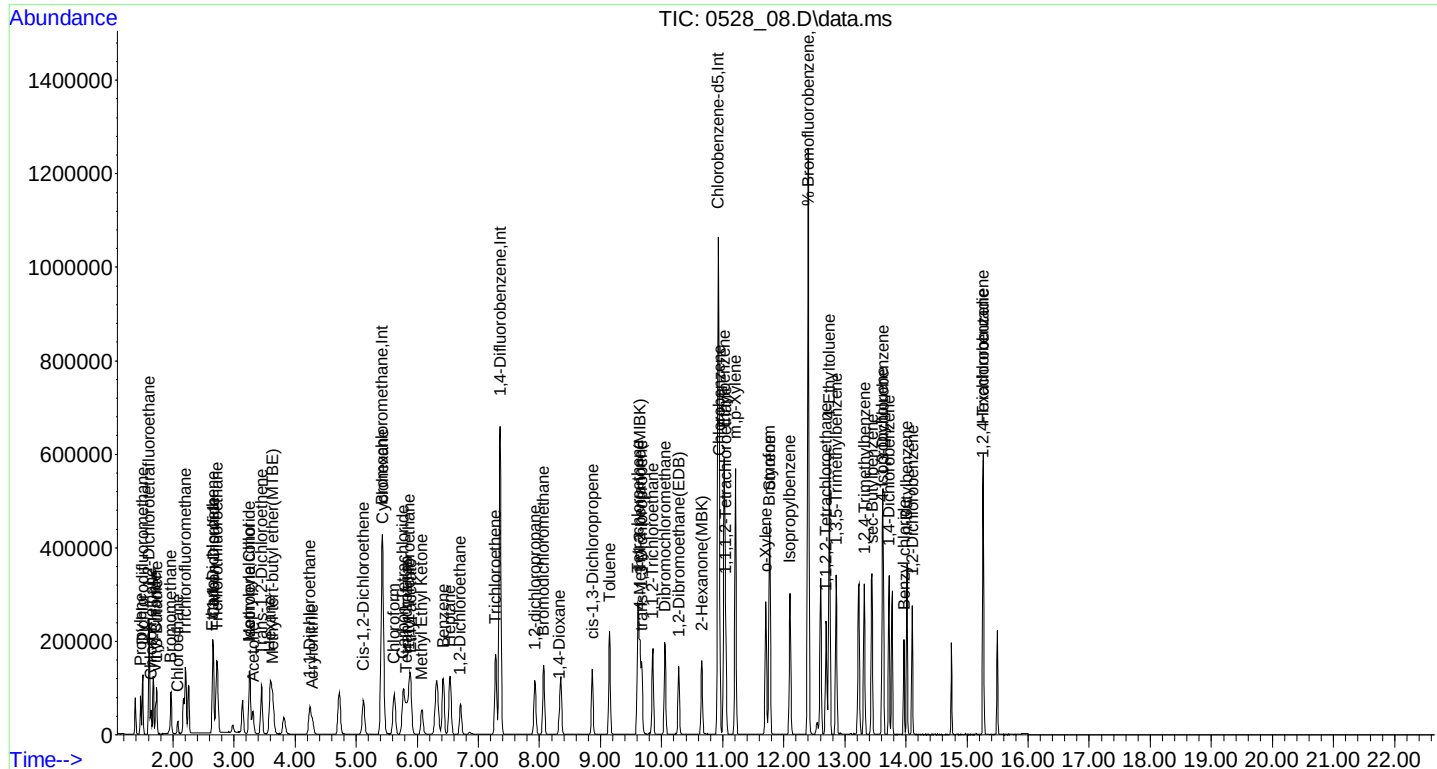
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_08.D
 Acq On : 28 May 2020 1:40 pm
 Operator : Keith
 Client ID : ICAL 2.5
 Lab ID : 2.5
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 29 08:17:08 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:16:46 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_09.D
 Acq On : 28 May 2020 2:12 pm
 Operator : Keith
 Client ID : ICAL 5
 Lab ID : 5.0
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 08:16:41 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:16:22 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	175577	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	644561	10.000	ng	0.00
53) Chlorobenzene-d5	10.925	82	343589	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	174003	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	689912	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	361095	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 12.398 95 461858 9.850 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 98.50%

Target Compounds

						Qvalue
2) Propylene	1.471	41	62985	4.919	ppbv	100
3) Dichlorodifluoromethane	1.506	85	217851	5.840	ppbv	100
4) Chloromethane	1.643	50	85789	4.758	ppbv	88
5) 1,2-Dichlorotetrafluor...	1.615	135	176136	4.620	ppbv	99
6) Vinyl Chloride	1.718	62	92706	5.160	ppbv	100
7) 1,3-Butadiene	1.739	54	62826	5.131	ppbv	99
8) Bromomethane	1.971	94	99421	5.091	ppbv	99
9) Chloroethane	2.081	64	34844	4.911	ppbv	99
10) Ethanol	2.649	45	29037	4.844	ppbv	96
12) Acetone	3.306	43	140847	4.248	ppbv	91
13) Trichlorofluoromethane	2.211	101	230938	5.209	ppbv	99
14) Isopropylalcohol	3.258	45	174277	5.295	ppbv#	20
15) Acrylonitrile	4.291	53	59160	5.169	ppbv	100
16) 1,1-Dichloroethene	2.656	61	139324	5.270	ppbv	100
17) Methylene Chloride	3.258	49	111298	5.089	ppbv	98
20) Carbon Disulfide	2.663	76	239738	5.177	ppbv	100
21) Trichlorotrifluoroethane	2.725	101	170087	5.202	ppbv	100
22) Trans-1,2-Dichloroethene	3.457	61	151038	5.284	ppbv	99
23) 1,1-Dichloroethane	4.247	63	178958	5.108	ppbv	100
24) Methyl tert-butyl ethe...	3.628	73	239320	5.075	ppbv	97
25) Methyl Ethyl Ketone	6.076	43	197430	5.052	ppbv	98
26) Cis-1,2-Dichloroethene	5.124	61	143201	5.168	ppbv	99
27) Hexane	3.600	57	186434	5.227	ppbv	98
28) Chloroform	5.629	83	220353	5.173	ppbv	100
29) Ethyl acetate	5.889	43	217439	4.983	ppbv	100
30) Tetrahydrofuran	5.816	41	57215	4.966	ppbv	95
31) 1,2-Dichloroethane	6.713	62	141995	5.092	ppbv	99
32) 1,1,1-Trichloroethane	5.874	97	205429	5.146	ppbv	99
33) Benzene	6.425	78	291070	5.001	ppbv	99
34) Carbon Tetrachloride	5.773	117	212698	5.217	ppbv	100
35) Cyclohexane	5.434	56	142592	5.089	ppbv	99
37) 1,2-dichloropropane	7.925	63	126152	5.105	ppbv	99
38) Bromodichloromethane	8.069	83	236020	5.244	ppbv	100
39) Trichloroethene	7.281	130	139152	5.086	ppbv	99
41) 1,4-Dioxane	8.325	88	69524	5.494	ppbv	100
43) Heptane	6.535	43	170913	4.940	ppbv	98
44) cis-1,3-Dichloropropene	8.867	75	189957	5.202	ppbv	100
45) 4-Methyl-2-pentanone(M...	9.646	43	239984	5.154	ppbv	98
46) trans-1,3-Dichloropropene	9.675	75	167588	5.133	ppbv	100
47) 1,1,2-Trichloroethane	9.856	97	132194	5.124	ppbv	100
48) Toluene	9.148	91	366698	5.076	ppbv	99
49) Dibromochloromethane	10.058	129	253496	5.326	ppbv	99
50) 2-Hexanone(MBK)	10.657	43	243160	5.153	ppbv	98
51) 1,2-Dibromoethane(EDB)	10.282	107	229727	5.136	ppbv	100

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_09.D
 Acq On : 28 May 2020 2:12 pm
 Operator : Keith
 Client ID : ICAL 5
 Lab ID : 5.0
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 08:16:41 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:16:22 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	9.618	166	174282	5.076	ppbv	100
54)	1,1,1,2-Tetrachloroethane	11.048	131	141913	5.253	ppbv	100
55)	Chlorobenzene	10.945	112	280464	5.075	ppbv	98
56)	Ethylbenzene	11.027	91	461647	5.170	ppbv	99
57)	m,p-Xylene	11.213	91	716317	10.472	ppbv	99
58)	Bromoform	11.762	173	245655	5.427	ppbv	100
59)	Styrene	11.769	104	264328	5.118	ppbv	98
60)	1,1,2,2-Tetrachloroethane	12.697	83	289645	5.071	ppbv	100
61)	o-Xylene	11.707	91	373185	5.050	ppbv	100
64)	Isopropylbenzene	12.106	105	460238	5.089	ppbv	99
66)	4-Ethyltoluene	12.742	105	492163	5.151	ppbv	99
67)	1,3,5-Trimethylbenzene	12.859	105	412568	4.995	ppbv	99
68)	1,2,4-Trimethylbenzene	13.319	105	396492	5.017	ppbv	99
70)	Benzyl chloride	13.968	91	255740	5.222	ppbv	99
71)	1,3-Dichlorobenzene	13.631	146	240684	5.030	ppbv	99
72)	1,4-Dichlorobenzene	13.722	146	235326	4.986	ppbv	99
73)	sec-Butylbenzene	13.443	105	521672	5.052	ppbv	99
74)	4-Isopropyltoluene	13.611	119	394841	5.148	ppbv	99
75)	1,2-Dichlorobenzene	14.105	146	191053	5.030	ppbv	99
76)	n-Butylbenzene	14.014	91	353412	5.136	ppbv	99
77)	1,2,4-Trichlorobenzene	15.259	180	112411	4.810	ppbv	100
79)	Hexachlorobutadiene	15.269	225	114960	5.060	ppbv	100
81)	1,2-Dichlorotetrafluor...	1.615	135	176138	5.166	ppbv	99
82)	Vinyl Chloride(sim)	1.714	62	98415	4.972	ppbv	100
83)	Bromomethane(sim)	1.971	94	99421	4.464	ppbv	99
84)	Trichlorofluoromethane...	2.207	101	239994	4.872	ppbv	100
85)	1,1,1-Trichloroethane(...	5.874	97	205429	4.942	ppbv#	99
86)	Carbon Tetrachloride(sim)	5.776	117	215170	5.350	ppbv	100
87)	1,1-Dichloroethene(sim)	2.656	61	139324	4.950	ppbv	100
88)	Trichlorotrifluoroetha...	2.728	101	178545	4.845	ppbv	100
89)	Trans-1,2-Dichloroethe...	3.457	61	151032	5.068	ppbv	99
90)	1,1-Dichloroethane(sim)	4.250	63	188591	5.030	ppbv	100
91)	Cis-1,2-Dichloroethene...	5.124	61	143201	5.040	ppbv	99
92)	Chloroform(sim)	5.625	83	227219	5.083	ppbv	100
93)	1,2-Dichloroethane(sim)	6.713	62	141995	5.101	ppbv	99
95)	1,2-dichloropropane(sim)	7.925	63	126152	5.013	ppbv	99
96)	Bromodichloromethane(sim)	8.072	83	243808	5.448	ppbv	100
97)	Trichloroethene(sim)	7.281	130	139152	5.002	ppbv	99
98)	1,4-Dioxane(sim)	8.321	88	74002	5.046	ppbv	99
99)	cis-1,3-Dichloropropen...	8.867	75	189957	5.584	ppbv	100
100)	1,1,2-Trichloroethane(...	9.852	97	137417	5.073	ppbv	99
101)	Dibromochloromethane(sim)	10.058	129	253350	5.848	ppbv	99
102)	1,2-Dibromoethane(EDB)...	10.277	107	236264	5.286	ppbv	100
103)	Tetrachloroethene(sim)	9.618	166	174282	5.099	ppbv	100
105)	Bromoform(sim)	11.762	173	245655	6.191	ppbv	100
106)	1,1,1,2-Tetrachloroeth...	11.051	131	146019	5.473	ppbv	100
107)	m,p-Xylene(sim)	11.213	91	716594	9.905	ppbv	99
108)	1,1,2,2-Tetrachloroeth...	12.693	83	297860	5.017	ppbv	99
111)	Benzyl chloride(sim)	13.968	91	255740	6.118	ppbv	99
112)	1,3-Dichlorobenzene(sim)	13.627	146	259028	4.863	ppbv	99
113)	1,4-Dichlorobenzene(sim)	13.722	146	235326	4.990	ppbv	99
114)	sec-Butylbenzene(sim)	13.439	105	556290	5.074	ppbv	99
115)	4-Isopropyltoluene(sim)	13.611	119	394841	5.059	ppbv	99
116)	1,2-Dichlorobenzene(sim)	14.101	146	206599	4.709	ppbv	99
117)	n-Butylbenzene(sim)	14.014	91	353412	4.996	ppbv	99
118)	1,2,4-Trichlorobenzene...	15.262	180	123108	4.355	ppbv	100
119)	Hexachlorobutadiene(sim)	15.269	225	114960	4.178	ppbv	100

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_09.D
 Acq On : 28 May 2020 2:12 pm
 Operator : Keith
 Client ID : ICAL 5
 Lab ID : 5.0
 ALS Vial : 13 Sample Multiplier: 1

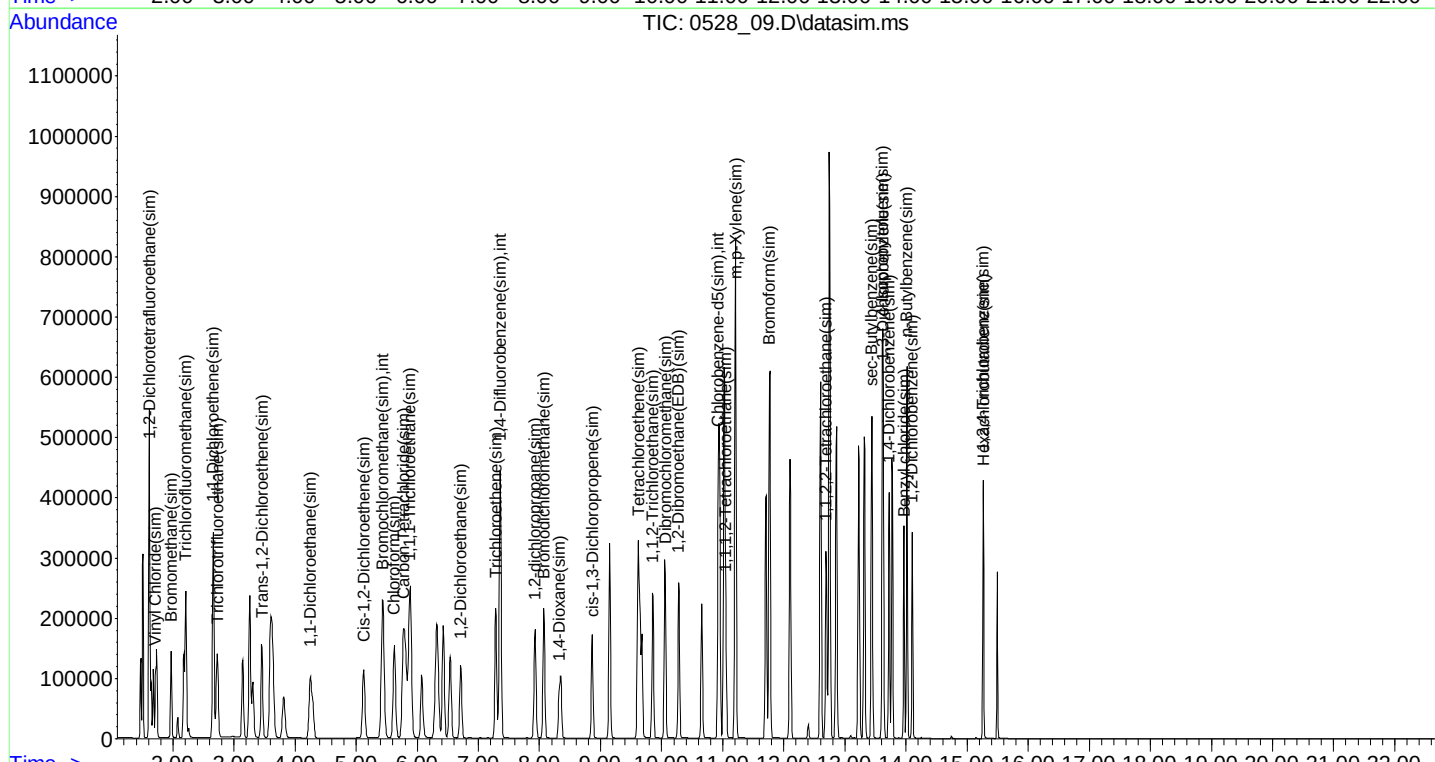
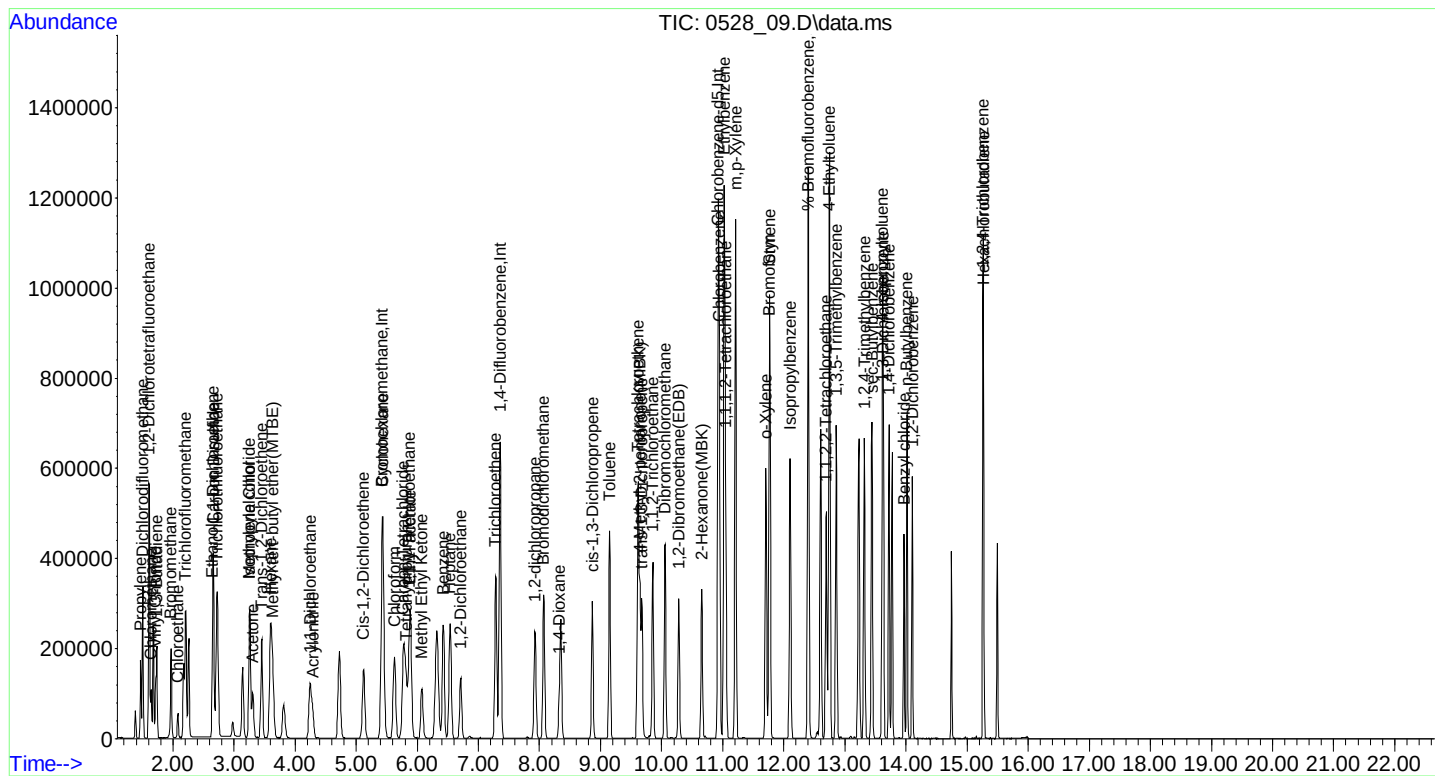
Quant Time: May 29 08:16:41 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:16:22 2020
 Response via : Initial Calibration

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

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

Data Path : H:\AIR2020\CHEM24\05MAY\28\
Data File : 0528_09.D
Acq On : 28 May 2020 2:12 pm
Operator : Keith
Client ID : ICAL 5
Lab ID : 5.0
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 29 08:16:41 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri May 29 08:16:22 2020
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_10.D
 Acq On : 28 May 2020 2:49 pm
 Operator : Keith
 Client ID : ICAL 25
 Lab ID : 25
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 08:16:16 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:15:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.434	130	167716	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.363	114	618629	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	333455	10.000	ng	0.00
80) Bromochloromethane(sim)	5.437	130	167017	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.366	114	664801	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.934	82	348396	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	12.404	95	456618	10.042	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.40%

Target Compounds

						Qvalue
2) Propylene	1.471	41	298878	24.435	ppbv	99
3) Dichlorodifluoromethane	1.506	85	849471	23.838	ppbv	100
4) Chloromethane	1.643	50	480202	27.879	ppbv	97
5) 1,2-Dichlorotetrafluor...	1.615	135	698642	27.492	ppbv	100
6) Vinyl Chloride	1.718	62	425510	24.793	ppbv	100
7) 1,3-Butadiene	1.738	54	287163	24.553	ppbv	100
8) Bromomethane	1.971	94	457429	24.522	ppbv	100
9) Chloroethane	2.081	64	161710	23.862	ppbv	99
10) Ethanol	2.656	45	126796	22.145	ppbv	100
12) Acetone	3.306	43	779454	24.612	ppbv	100
13) Trichlorofluoromethane	2.211	101	1042656	24.619	ppbv	100
14) Isopropylalcohol	3.265	45	767713	24.416	ppbv	99
15) Acrylonitrile	4.296	53	288866	26.421	ppbv	100
16) 1,1-Dichloroethene	2.663	61	613102	24.276	ppbv	100
17) Methylene Chloride	3.258	49	497237	23.802	ppbv	99
20) Carbon Disulfide	2.663	76	1060717	23.979	ppbv	100
21) Trichlorotrifluoroethane	2.725	101	769903	24.651	ppbv	100
22) Trans-1,2-Dichloroethene	3.456	61	690823	25.300	ppbv	100
23) 1,1-Dichloroethane	4.252	63	840709	25.123	ppbv	100
24) Methyl tert-butyl ethe...	3.627	73	1124070	24.956	ppbv	99
25) Methyl Ethyl Ketone	6.076	43	956829	25.633	ppbv	100
26) Cis-1,2-Dichloroethene	5.132	61	685207	25.887	ppbv	100
27) Hexane	3.607	57	857574	25.170	ppbv	100
28) Chloroform	5.629	83	1044098	25.659	ppbv	100
29) Ethyl acetate	5.896	43	1014515	24.340	ppbv	100
30) Tetrahydrofuran	5.816	41	255569	23.221	ppbv	99
31) 1,2-Dichloroethane	6.720	62	685582	25.738	ppbv	100
32) 1,1,1-Trichloroethane	5.881	97	966504	25.345	ppbv	100
33) Benzene	6.432	78	1379372	24.812	ppbv	100
34) Carbon Tetrachloride	5.780	117	1031826	26.496	ppbv	100
35) Cyclohexane	5.442	56	675500	25.240	ppbv	100
37) 1,2-dichloropropane	7.932	63	605607	25.532	ppbv	100
38) Bromodichloromethane	8.075	83	1159863	26.849	ppbv	100
39) Trichloroethene	7.288	130	672218	25.598	ppbv	99
41) 1,4-Dioxane	8.325	88	327701	26.981	ppbv	100
43) Heptane	6.542	43	788666	23.752	ppbv	99
44) cis-1,3-Dichloropropene	8.867	75	953969	27.220	ppbv	100
45) 4-Methyl-2-pentanone(M...	9.646	43	1112756	24.897	ppbv	99
46) trans-1,3-Dichloropropene	9.683	75	842597	26.887	ppbv	100
47) 1,1,2-Trichloroethane	9.856	97	635083	25.649	ppbv	100
48) Toluene	9.156	91	1766625	25.478	ppbv	100
49) Dibromochloromethane	10.058	129	1271168	27.826	ppbv	99
50) 2-Hexanone(MBK)	10.657	43	1163573	25.692	ppbv	99
51) 1,2-Dibromoethane(EDB)	10.282	107	1125039	26.208	ppbv	100

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_10.D
 Acq On : 28 May 2020 2:49 pm
 Operator : Keith
 Client ID : ICAL 25
 Lab ID : 25
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 08:16:16 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:15:55 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	9.618	166	849080	25.766	ppbv	100
54)	1,1,1,2-Tetrachloroethane	11.055	131	688075	26.243	ppbv	100
55)	Chlorobenzene	10.952	112	1376356	25.661	ppbv	100
56)	Ethylbenzene	11.027	91	2096178	24.189	ppbv	99
57)	m,p-Xylene	11.213	91	3323085	50.058	ppbv	99
58)	Bromoform	11.768	173	1255079	28.570	ppbv	100
59)	Styrene	11.775	104	1264600	25.230	ppbv	100
60)	1,1,2,2-Tetrachloroethane	12.696	83	1416564	25.554	ppbv	99
61)	o-Xylene	11.714	91	1835890	25.599	ppbv	99
64)	Isopropylbenzene	12.106	105	2234579	25.458	ppbv	100
66)	4-Ethyltoluene	12.748	105	2275785	24.540	ppbv	99
67)	1,3,5-Trimethylbenzene	12.865	105	2016023	25.150	ppbv	99
68)	1,2,4-Trimethylbenzene	13.319	105	1940627	25.301	ppbv	99
70)	Benzyl chloride	13.968	91	1390262	29.252	ppbv	99
71)	1,3-Dichlorobenzene	13.631	146	1110669	23.917	ppbv	100
72)	1,4-Dichlorobenzene	13.728	146	1137306	24.828	ppbv	100
73)	sec-Butylbenzene	13.443	105	2515756	25.105	ppbv	99
74)	4-Isopropyltoluene	13.618	119	1818477	24.430	ppbv	99
75)	1,2-Dichlorobenzene	14.105	146	903202	24.502	ppbv	100
76)	n-Butylbenzene	14.020	91	1627524	24.373	ppbv	100
77)	1,2,4-Trichlorobenzene	15.259	180	489635	21.589	ppbv	100
79)	Hexachlorobutadiene	15.269	225	459757	20.852	ppbv	100
81)	1,2-Dichlorotetrafluor...	1.615	135	696774	21.289	ppbv	100
82)	Vinyl Chloride(sim)	1.721	62	448205	23.590	ppbv	100
83)	Bromomethane(sim)	1.971	94	457429	21.400	ppbv	100
84)	Trichlorofluoromethane...	2.214	101	1088343	23.019	ppbv	100
85)	1,1,1-Trichloroethane...	5.881	97	967496	24.247	ppbv#	100
86)	Carbon Tetrachloride(sim)	5.783	117	1052119	27.254	ppbv	100
87)	1,1-Dichloroethene(sim)	2.663	61	613102	22.694	ppbv	100
88)	Trichlorotrifluoroetha...	2.728	101	812516	22.969	ppbv	100
89)	Trans-1,2-Dichloroethe...	3.456	61	690823	24.151	ppbv	100
90)	1,1-Dichloroethane(sim)	4.255	63	888421	24.689	ppbv	100
91)	Cis-1,2-Dichloroethene...	5.132	61	685845	25.149	ppbv	100
92)	Chloroform(sim)	5.632	83	1076279	25.084	ppbv	100
93)	1,2-Dichloroethane(sim)	6.720	62	685778	25.665	ppbv	100
95)	1,2-dichloropropane(sim)	7.932	63	605607	24.976	ppbv	100
96)	Bromodichloromethane(sim)	8.078	83	1195233	27.715	ppbv	100
97)	Trichloroethene(sim)	7.288	130	671975	25.067	ppbv	99
98)	1,4-Dioxane(sim)	8.321	88	347957	24.621	ppbv	100
99)	cis-1,3-Dichloropropen...	8.867	75	954494	29.118	ppbv	100
100)	1,1,2-Trichloroethane(...)	9.859	97	662716	25.390	ppbv	100
101)	Dibromochloromethane(sim)	10.058	129	1271168	30.452	ppbv	99
102)	1,2-Dibromoethane(EDB)...	10.285	107	1155095	26.820	ppbv	100
103)	Tetrachloroethene(sim)	9.618	166	849015	25.776	ppbv	100
105)	Bromoform(sim)	11.768	173	1254864	32.778	ppbv	100
106)	1,1,1,2-Tetrachloroeth...	11.051	131	709750	27.572	ppbv	100
107)	m,p-Xylene(sim)	11.213	91	3324883	47.633	ppbv	99
108)	1,1,2,2-Tetrachloroeth...	12.699	83	1454674	25.394	ppbv	100
111)	Benzyl chloride(sim)	13.968	91	1390262	34.471	ppbv	99
112)	1,3-Dichlorobenzene(sim)	13.634	146	1198846	23.326	ppbv	100
113)	1,4-Dichlorobenzene(sim)	13.728	146	1137306	24.994	ppbv	100
114)	sec-Butylbenzene(sim)	13.446	105	2610808	24.680	ppbv	99
115)	4-Isopropyltoluene(sim)	13.618	119	1818477	24.148	ppbv	99
116)	1,2-Dichlorobenzene(sim)	14.107	146	980512	23.161	ppbv	100
117)	n-Butylbenzene(sim)	14.020	91	1627524	23.844	ppbv	100
118)	1,2,4-Trichlorobenzene...	15.262	180	529006	19.398	ppbv	100
119)	Hexachlorobutadiene(sim)	15.269	225	459707	17.318	ppbv	100

Quantitation Report (RF) (QT Reviewed)

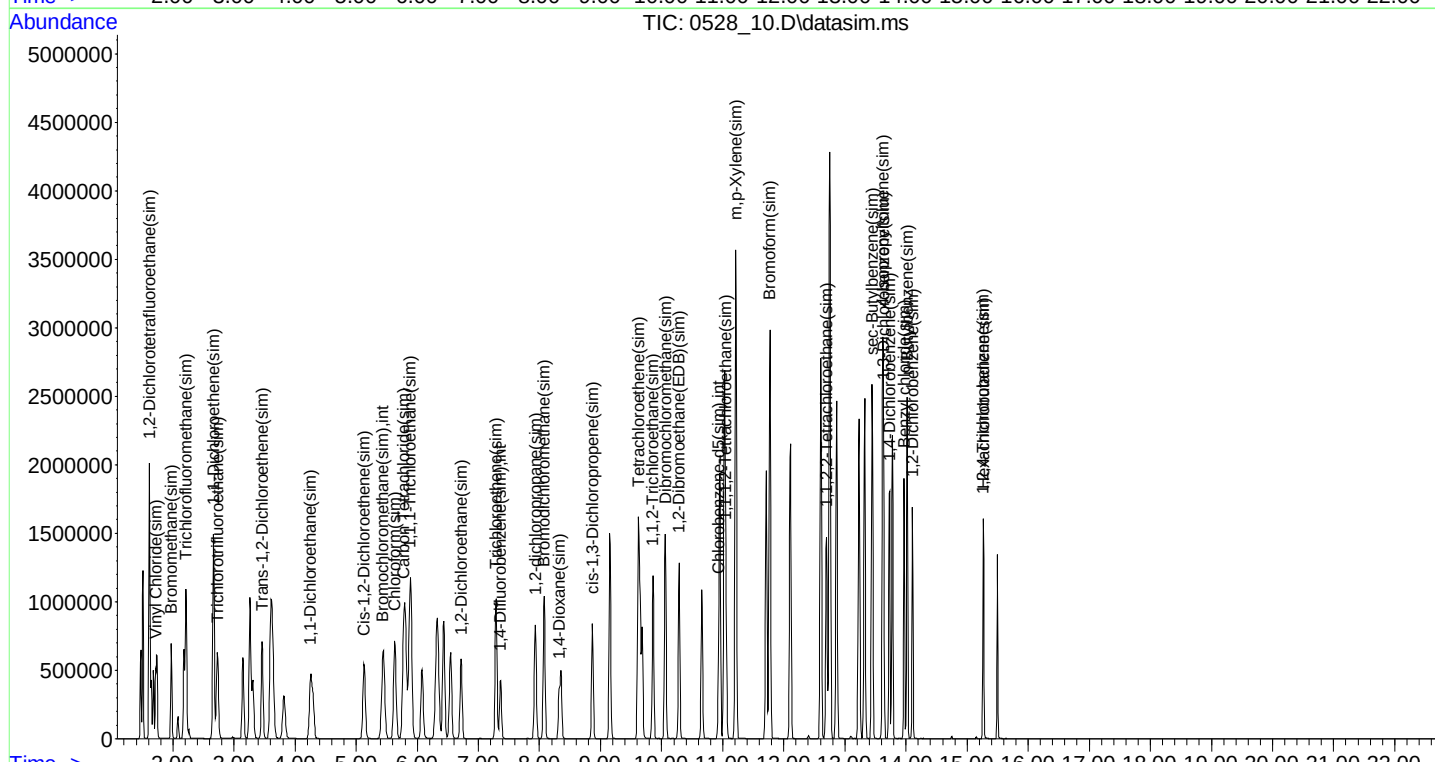
Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_10.D
 Acq On : 28 May 2020 2:49 pm
 Operator : Keith
 Client ID : ICAL 25
 Lab ID : 25
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 29 08:16:16 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:15:55 2020
 Response via : Initial Calibration

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

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

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Data Path : H:\AIR2020\CHEM24\05MAY\28\  
Data File : 0528_10.D  
Acq On : 28 May 2020 2:49 pm  
Operator : Keith  
Client ID : ICAL 25  
Lab ID : 25  
ALS Vial : 14 Sample Multiplier: 1
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Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_11.D
 Acq On : 28 May 2020 3:28 pm
 Operator : Keith
 Client ID : ICAL 40
 Lab ID : 40
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 29 08:14:41 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:14:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.442	130	175917	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.363	114	641270	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	343527	10.000	ng	0.00
80) Bromochloromethane(sim)	5.444	130	174449	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.366	114	691035	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.934	82	358313	10.000	ng	0.00

System Monitoring Compounds
 62) % Bromofluorobenzene 12.404 95 480678 10.352 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 103.50%

Target Compounds					Qvalue
2) Propylene	1.471	41	487264	37.979 ppbv	100
3) Dichlorodifluoromethane	1.506	85	1187782	31.778 ppbv	99
4) Chloromethane	1.643	50	736312	40.755 ppbv	96
5) 1,2-Dichlorotetrafluor...	1.615	135	834871	21.575 ppbv	100
6) Vinyl Chloride	1.718	62	693170	38.506 ppbv	99
7) 1,3-Butadiene	1.739	54	462249	37.680 ppbv	99
8) Bromomethane	1.971	94	730003	37.310 ppbv	100
9) Chloroethane	2.081	64	266213	37.452 ppbv	100
10) Ethanol	2.656	45	195150	32.495 ppbv	100
12) Acetone	3.313	43	1254975	37.780 ppbv	90
13) Trichlorofluoromethane	2.211	101	1627936	36.646 ppbv	99
14) Isopropylalcohol	3.265	45	1227702	37.226 ppbv#	1
15) Acrylonitrile	4.296	53	469316	40.925 ppbv	100
16) 1,1-Dichloroethene	2.663	61	963198	36.360 ppbv	99
17) Methylene Chloride	3.258	49	800303	36.523 ppbv	98
20) Carbon Disulfide	2.670	76	1643820	35.429 ppbv	100
21) Trichlorotrifluoroethane	2.725	101	1210653	36.956 ppbv	100
22) Trans-1,2-Dichloroethene	3.463	61	1115516	38.950 ppbv	99
23) 1,1-Dichloroethane	4.252	63	1373952	39.144 ppbv	100
24) Methyl tert-butyl ethe...	3.628	73	1797425	38.044 ppbv	99
25) Methyl Ethyl Ketone	6.076	43	1553951	39.689 ppbv	98
26) Cis-1,2-Dichloroethene	5.132	61	1117377	40.246 ppbv	100
27) Hexane	3.607	57	1360258	38.062 ppbv	100
28) Chloroform	5.636	83	1697477	39.771 ppbv	100
29) Ethyl acetate	5.903	43	1621195	37.082 ppbv	100
30) Tetrahydrofuran	5.816	41	408020	35.344 ppbv	95
31) 1,2-Dichloroethane	6.720	62	1127247	40.346 ppbv	100
32) 1,1,1-Trichloroethane	5.881	97	1569073	39.229 ppbv	100
33) Benzene	6.432	78	2248393	38.559 ppbv	100
34) Carbon Tetrachloride	5.788	117	1670457	40.896 ppbv	100
35) Cyclohexane	5.449	56	1108810	39.500 ppbv	99
37) 1,2-dichloropropane	7.932	63	988589	40.207 ppbv	99
38) Bromodichloromethane	8.076	83	1870561	41.771 ppbv	100
39) Trichloroethene	7.288	130	1083090	39.788 ppbv	100
41) 1,4-Dioxane	8.325	88	514125	40.835 ppbv	99
43) Heptane	6.548	43	1266045	36.782 ppbv	98
44) cis-1,3-Dichloropropene	8.867	75	1558499	42.899 ppbv	100
45) 4-Methyl-2-pentanone(M...	9.654	43	1741471	37.589 ppbv	98
46) trans-1,3-Dichloropropene	9.690	75	1371236	42.211 ppbv	99
47) 1,1,2-Trichloroethane	9.863	97	1029452	40.108 ppbv	100
48) Toluene	9.156	91	2790612	38.825 ppbv	99
49) Dibromochloromethane	10.058	129	2018739	42.631 ppbv	99
50) 2-Hexanone(MBK)	10.664	43	1843937	39.277 ppbv	98
51) 1,2-Dibromoethane(EDB)	10.289	107	1805209	40.568 ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_11.D
 Acq On : 28 May 2020 3:28 pm
 Operator : Keith
 Client ID : ICAL 40
 Lab ID : 40
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 29 08:14:41 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:14:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Tetrachloroethene	9.618	166	1343481	39.329	ppbv	99
54) 1,1,1,2-Tetrachloroethane	11.055	131	1072118	39.692	ppbv	100
55) Chlorobenzene	10.952	112	2207222	39.945	ppbv	99
56) Ethylbenzene	11.034	91	3119309	34.939	ppbv	98
57) m,p-Xylene	11.220	91	4989699	72.959	ppbv	99
58) Bromoform	11.768	173	1899059	41.962	ppbv	99
59) Styrene	11.782	104	1905969	36.911	ppbv	99
60) 1,1,2,2-Tetrachloroethane	12.696	83	2238546	39.198	ppbv	99
61) o-Xylene	11.714	91	2925685	39.598	ppbv	99
64) Isopropylbenzene	12.106	105	3556585	39.331	ppbv	99
66) 4-Ethyltoluene	12.755	105	3385985	35.442	ppbv	98
67) 1,3,5-Trimethylbenzene	12.865	105	3207849	38.845	ppbv	99
68) 1,2,4-Trimethylbenzene	13.326	105	3040644	38.480	ppbv	99
70) Benzyl chloride	13.975	91	2168865	44.297	ppbv	98
71) 1,3-Dichlorobenzene	13.637	146	1642065	34.323	ppbv	99
72) 1,4-Dichlorobenzene	13.728	146	1771194	37.532	ppbv	99
73) sec-Butylbenzene	13.449	105	3870913	37.496	ppbv	99
74) 4-Isopropyltoluene	13.618	119	2712425	35.372	ppbv	99
75) 1,2-Dichlorobenzene	14.111	146	1356983	35.733	ppbv	99
76) n-Butylbenzene	14.020	91	2475700	35.988	ppbv	99
77) 1,2,4-Trichlorobenzene	15.264	180	688020	29.446	ppbv	99
79) Hexachlorobutadiene	15.274	225	636390	28.017	ppbv	99
81) 1,2-Dichlorotetrafluor...	1.615	135	833244	24.374	ppbv	100
82) Vinyl Chloride(sim)	1.721	62	726207	36.594	ppbv	100
83) Bromomethane(sim)	1.971	94	730003	32.697	ppbv	100
84) Trichlorofluoromethane...	2.214	101	1709467	34.615	ppbv	100
85) 1,1,1-Trichloroethane(...	5.881	97	1570052	37.671	ppbv#	100
86) Carbon Tetrachloride(sim)	5.783	117	1704491	42.271	ppbv	100
87) 1,1-Dichloroethene(sim)	2.663	61	963198	34.134	ppbv	99
88) Trichlorotrifluoroetha...	2.728	101	1285547	34.793	ppbv	100
89) Trans-1,2-Dichloroethe...	3.463	61	1115516	37.337	ppbv	99
90) 1,1-Dichloroethane(sim)	4.255	63	1444687	38.436	ppbv	100
91) Cis-1,2-Dichloroethene...	5.132	61	1118092	39.252	ppbv	100
92) Chloroform(sim)	5.632	83	1749524	39.037	ppbv	100
93) 1,2-Dichloroethane(sim)	6.720	62	1127611	40.403	ppbv	100
95) 1,2-dichloropropane(sim)	7.932	63	988589	39.222	ppbv	99
96) Bromodichloromethane(sim)	8.078	83	1930783	43.072	ppbv	99
97) Trichloroethene(sim)	7.288	130	1083203	38.873	ppbv	100
98) 1,4-Dioxane(sim)	8.328	88	545520	37.134	ppbv	100
99) cis-1,3-Dichloropropen...	8.867	75	1558499	45.739	ppbv	100
100) 1,1,2-Trichloroethane(...	9.859	97	1073280	39.559	ppbv	100
101) Dibromochloromethane(sim)	10.058	129	2018739	46.524	ppbv	99
102) 1,2-Dibromoethane(EDB)...	10.285	107	1854775	41.431	ppbv	100
103) Tetrachloroethene(sim)	9.618	166	1343481	39.240	ppbv	99
105) Bromoform(sim)	11.768	173	1899346	48.239	ppbv	99
106) 1,1,1,2-Tetrachloroeth...	11.058	131	1113519	42.061	ppbv	100
107) m,p-Xylene(sim)	11.220	91	4991228	69.526	ppbv	98
108) 1,1,2,2-Tetrachloroeth...	12.699	83	2317850	39.342	ppbv	99
111) Benzyl chloride(sim)	13.975	91	2168865	52.288	ppbv	98
112) 1,3-Dichlorobenzene(sim)	13.640	146	1767955	33.447	ppbv	99
113) 1,4-Dichlorobenzene(sim)	13.728	146	1771194	37.848	ppbv	99
114) sec-Butylbenzene(sim)	13.446	105	3952868	36.333	ppbv	98
115) 4-Isopropyltoluene(sim)	13.618	119	2712425	35.021	ppbv	99
116) 1,2-Dichlorobenzene(sim)	14.108	146	1479907	33.990	ppbv	99
117) n-Butylbenzene(sim)	14.020	91	2475700	35.266	ppbv	99
118) 1,2,4-Trichlorobenzene...	15.262	180	737828	26.306	ppbv	100
119) Hexachlorobutadiene(sim)	15.274	225	636397	23.310	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_11.D
 Acq On : 28 May 2020 3:28 pm
 Operator : Keith
 Client ID : ICAL 40
 Lab ID : 40
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 29 08:14:41 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:14:17 2020
 Response via : Initial Calibration

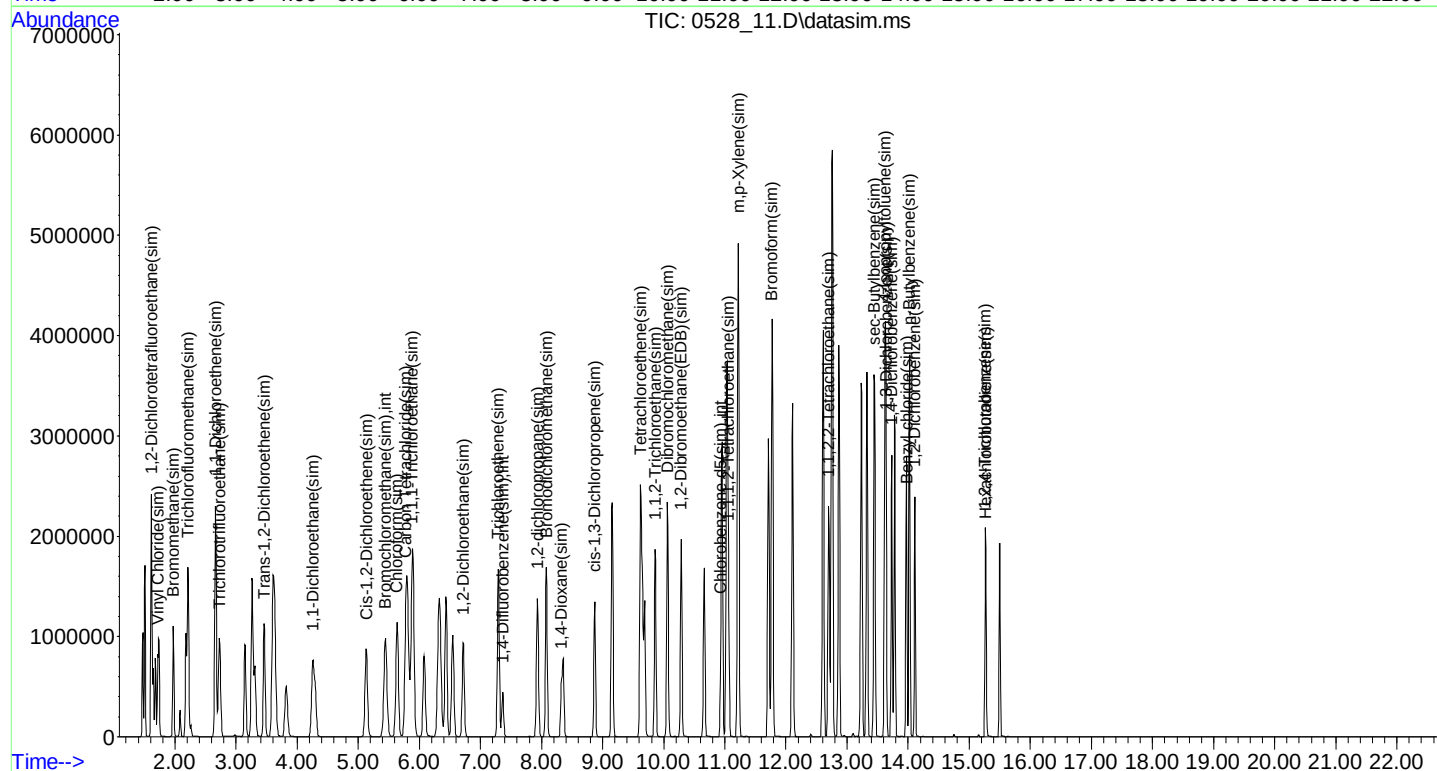
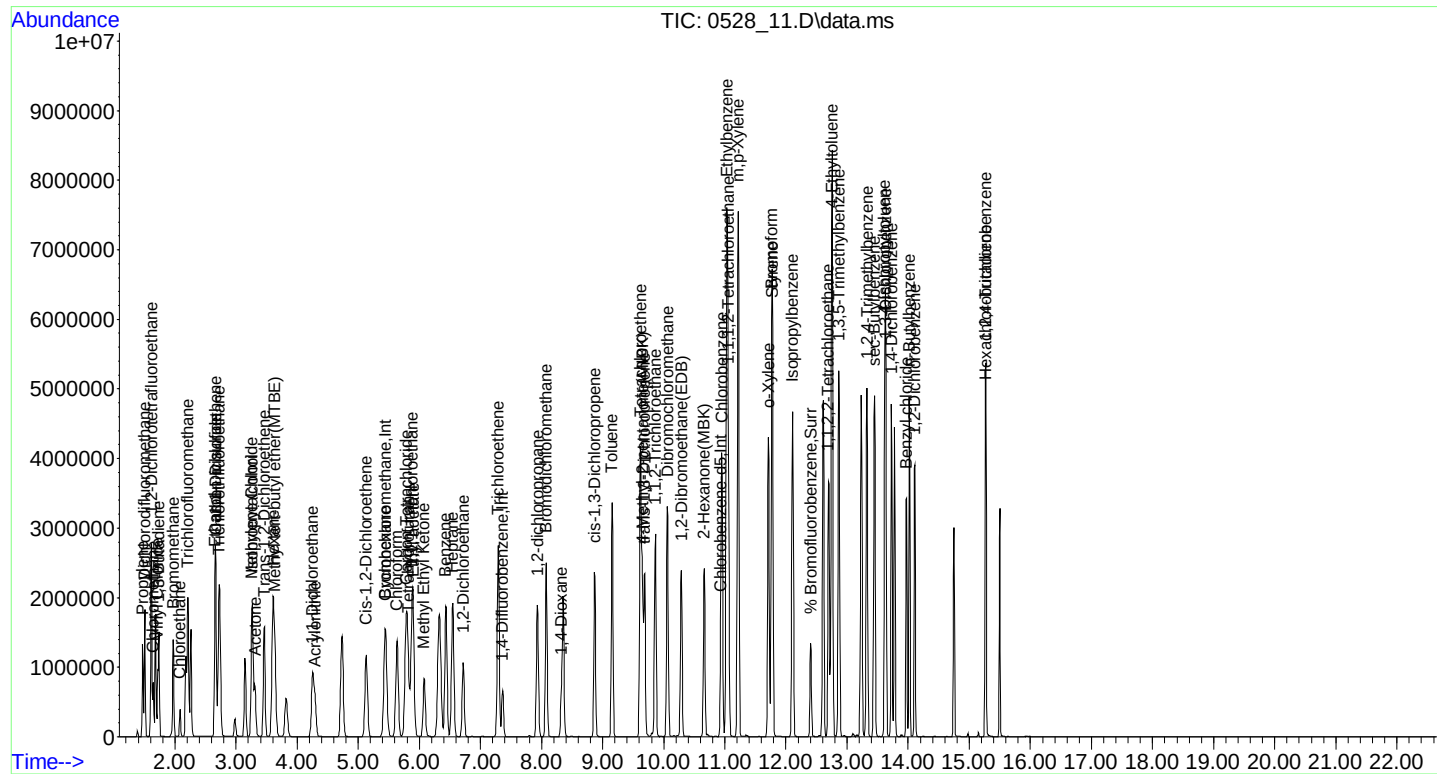
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
Data File : 0528_11.D
Acq On : 28 May 2020 3:28 pm
Operator : Keith
Client ID : ICAL 40
Lab ID : 40
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 29 08:14:41 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 29 08:14:17 2020
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_13.D
 Acq On : 28 May 2020 4:33 pm
 Operator : Keith
 Client ID : ICAL 1
 Lab ID : 1ppb
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 08:24:04 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	192386	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.356	114	696677	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	369199	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	190087	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	746137	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	388573	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	12.404	95	497973	9.950	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.50%

Target Compounds				Qvalue		
2) Propylene	1.471	41	13787	0.983	ppbv#	83
3) Dichlorodifluoromethane	1.506	85	42993	1.052	ppbv	99
4) Chloromethane	1.643	50	18209	0.922	ppbv	98
5) 1,2-Dichlorotetrafluor...	1.608	135	36212	1.080	ppbv	94
6) Vinyl Chloride	1.718	62	19522	0.992	ppbv	91
7) 1,3-Butadiene	1.739	54	13002	0.969	ppbv#	89
8) Bromomethane	1.971	94	20993	0.981	ppbv#	90
9) Chloroethane	2.081	64	7459	0.960	ppbv#	77
10) Ethanol	2.656	45	6585	1.003	ppbv#	80
12) Acetone	3.313	43	38563	1.062	ppbv#	89
13) Trichlorofluoromethane	2.204	101	48257	0.993	ppbv	96
14) Isopropylalcohol	3.272	45	36207	1.004	ppbv#	53
15) Acrylonitrile	4.291	53	12052	0.961	ppbv#	93
16) 1,1-Dichloroethene	2.656	61	28242	0.975	ppbv	96
17) Methylene Chloride	3.251	49	23535	0.982	ppbv	96
20) Carbon Disulfide	2.663	76	51409	1.013	ppbv#	82
21) Trichlorotrifluoroethane	2.718	101	35846	1.001	ppbv	94
22) Trans-1,2-Dichloroethene	3.450	61	30826	0.984	ppbv	96
23) 1,1-Dichloroethane	4.242	63	37982	0.989	ppbv	94
24) Methyl tert-butyl ethe...	3.641	73	52005	1.007	ppbv	100
25) Methyl Ethyl Ketone	6.083	43	43664	1.020	ppbv#	91
26) Cis-1,2-Dichloroethene	5.117	61	29445	0.970	ppbv	95
27) Hexane	3.600	57	40965	1.048	ppbv	89
28) Chloroform	5.622	83	45257	0.970	ppbv	96
29) Ethyl acetate	5.903	43	48076	1.006	ppbv#	85
30) Tetrahydrofuran	5.831	41	12996	1.029	ppbv	100
31) 1,2-Dichloroethane	6.706	62	29686	0.972	ppbv	96
32) 1,1,1-Trichloroethane	5.874	97	43233	0.988	ppbv	95
33) Benzene	6.425	78	61735	0.968	ppbv	99
34) Carbon Tetrachloride	5.773	117	43048	0.964	ppbv	98
35) Cyclohexane	5.434	56	30694	1.000	ppbv#	83
37) 1,2-dichloropropane	7.925	63	26239	0.982	ppbv#	78
38) Bromodichloromethane	8.069	83	47533	0.977	ppbv	98
39) Trichloroethene	7.281	130	28938	0.979	ppbv	98
41) 1,4-Dioxane	8.333	88	13894	1.016	ppbv#	84
43) Heptane	6.535	43	36990	0.989	ppbv	89
44) cis-1,3-Dichloropropene	8.867	75	38401	0.973	ppbv	94
45) 4-Methyl-2-pentanone(M...	9.646	43	51041	1.014	ppbv#	94
46) trans-1,3-Dichloropropene	9.683	75	33214	0.941	ppbv#	95
47) 1,1,2-Trichloroethane	9.856	97	27471	0.985	ppbv	96
48) Toluene	9.148	91	76325	0.977	ppbv	97
49) Dibromochloromethane	10.058	129	49622	0.965	ppbv	98
50) 2-Hexanone(MBK)	10.664	43	50698	0.994	ppbv	95
51) 1,2-Dibromoethane(EDB)	10.282	107	47478	0.982	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_13.D
 Acq On : 28 May 2020 4:33 pm
 Operator : Keith
 Client ID : ICAL 1
 Lab ID : 1ppb
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 29 08:24:04 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	9.618	166	36268	0.977	ppbv	97
54)	1,1,1,2-Tetrachloroethane	11.048	131	28712	0.989	ppbv	98
55)	Chlorobenzene	10.945	112	58859	0.991	ppbv#	44
56)	Ethylbenzene	11.027	91	96666	1.007	ppbv	98
57)	m,p-Xylene	11.213	91	152587	2.076	ppbv	99
58)	Bromoform	11.762	173	47491	0.976	ppbv	98
59)	Styrene	11.768	104	56042	1.010	ppbv	92
60)	1,1,2,2-Tetrachloroethane	12.696	83	61321	0.999	ppbv	100
61)	o-Xylene	11.707	91	77970	0.982	ppbv	97
64)	Isopropylbenzene	12.106	105	96548	0.993	ppbv	97
66)	4-Ethyltoluene	12.748	105	103843	1.011	ppbv	99
67)	1,3,5-Trimethylbenzene	12.859	105	88900	1.002	ppbv	97
68)	1,2,4-Trimethylbenzene	13.319	105	84820	0.999	ppbv	96
70)	Benzyl chloride	13.968	91	49319	0.937	ppbv	99
71)	1,3-Dichlorobenzene	13.631	146	53374	1.038	ppbv	99
72)	1,4-Dichlorobenzene	13.722	146	51719	1.020	ppbv	98
73)	sec-Butylbenzene	13.443	105	112082	1.010	ppbv	99
74)	4-Isopropyltoluene	13.611	119	84227	1.022	ppbv	97
75)	1,2-Dichlorobenzene	14.105	146	41920	1.027	ppbv	100
76)	n-Butylbenzene	14.014	91	75166	1.017	ppbv	97
77)	1,2,4-Trichlorobenzene	15.259	180	26404	1.051	ppbv	99
79)	Hexachlorobutadiene	15.269	225	26989	1.106	ppbv	99
81)	1,2-Dichlorotetrafluor...	1.608	135	36212	0.972	ppbv	94
82)	Vinyl Chloride(sim)	1.714	62	20617	0.953	ppbv	100
83)	Bromomethane(sim)	1.971	94	20993	0.863	ppbv#	90
84)	Trichlorofluoromethane...	2.207	101	50485	0.938	ppbv	99
85)	1,1,1-Trichloroethane(...	5.874	97	43233	0.952	ppbv#	95
86)	Carbon Tetrachloride(sim)	5.776	117	43367	0.987	ppbv	100
87)	1,1-Dichloroethene(sim)	2.656	61	28242	0.919	ppbv	96
88)	Trichlorotrifluoroetha...	2.728	101	37841	0.940	ppbv	99
89)	Trans-1,2-Dichloroethe...	3.450	61	30826	0.947	ppbv	96
90)	1,1-Dichloroethane(sim)	4.250	63	39617	0.967	ppbv	99
91)	Cis-1,2-Dichloroethene...	5.117	61	29445	0.949	ppbv	95
92)	Chloroform(sim)	5.625	83	46985	0.962	ppbv	98
93)	1,2-Dichloroethane(sim)	6.706	62	29686	0.976	ppbv	96
95)	1,2-dichloropropane(sim)	7.925	63	26239	0.964	ppbv#	78
96)	Bromodichloromethane(sim)	8.072	83	48790	1.008	ppbv	100
97)	Trichloroethene(sim)	7.281	130	28938	0.962	ppbv	97
98)	1,4-Dioxane(sim)	8.336	88	15737	0.992	ppbv#	71
99)	cis-1,3-Dichloropropen...	8.867	75	38401	1.044	ppbv	94
100)	1,1,2-Trichloroethane(...	9.859	97	28604	0.976	ppbv	99
101)	Dibromochloromethane(sim)	10.058	129	49622	1.059	ppbv	97
102)	1,2-Dibromoethane(EDB)...	10.277	107	48835	1.010	ppbv	99
103)	Tetrachloroethene(sim)	9.618	166	36268	0.981	ppbv	97
105)	Bromoform(sim)	11.762	173	47491	1.112	ppbv	99
106)	1,1,1,2-Tetrachloroeth...	11.051	131	29570	1.030	ppbv	100
107)	m,p-Xylene(sim)	11.213	91	152573	1.960	ppbv	99
108)	1,1,2,2-Tetrachloroeth...	12.693	83	63173	0.989	ppbv	100
111)	Benzyl chloride(sim)	13.968	91	49319	1.096	ppbv	99
112)	1,3-Dichlorobenzene(sim)	13.627	146	57923	1.010	ppbv	100
113)	1,4-Dichlorobenzene(sim)	13.722	146	51719	1.019	ppbv	98
114)	sec-Butylbenzene(sim)	13.446	105	118950	1.008	ppbv	100
115)	4-Isopropyltoluene(sim)	13.611	119	84227	1.003	ppbv	97
116)	1,2-Dichlorobenzene(sim)	14.108	146	45348	0.960	ppbv	100
117)	n-Butylbenzene(sim)	14.014	91	75166	0.987	ppbv	97
118)	1,2,4-Trichlorobenzene...	15.262	180	29406	0.967	ppbv	99
119)	Hexachlorobutadiene(sim)	15.269	225	26989	0.912	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_13.D
 Acq On : 28 May 2020 4:33 pm
 Operator : Keith
 Client ID : ICAL 1
 Lab ID : 1ppb
 ALS Vial : 17 Sample Multiplier: 1

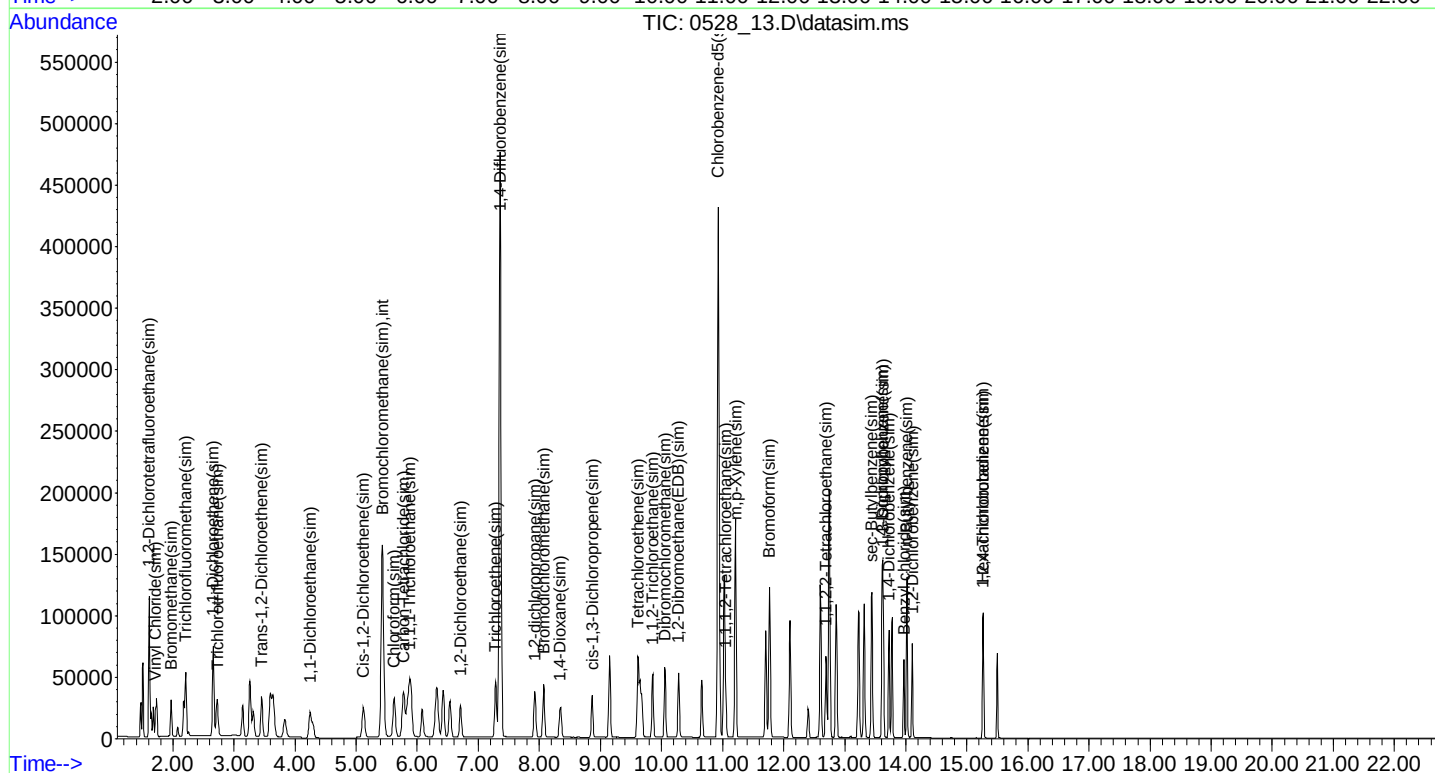
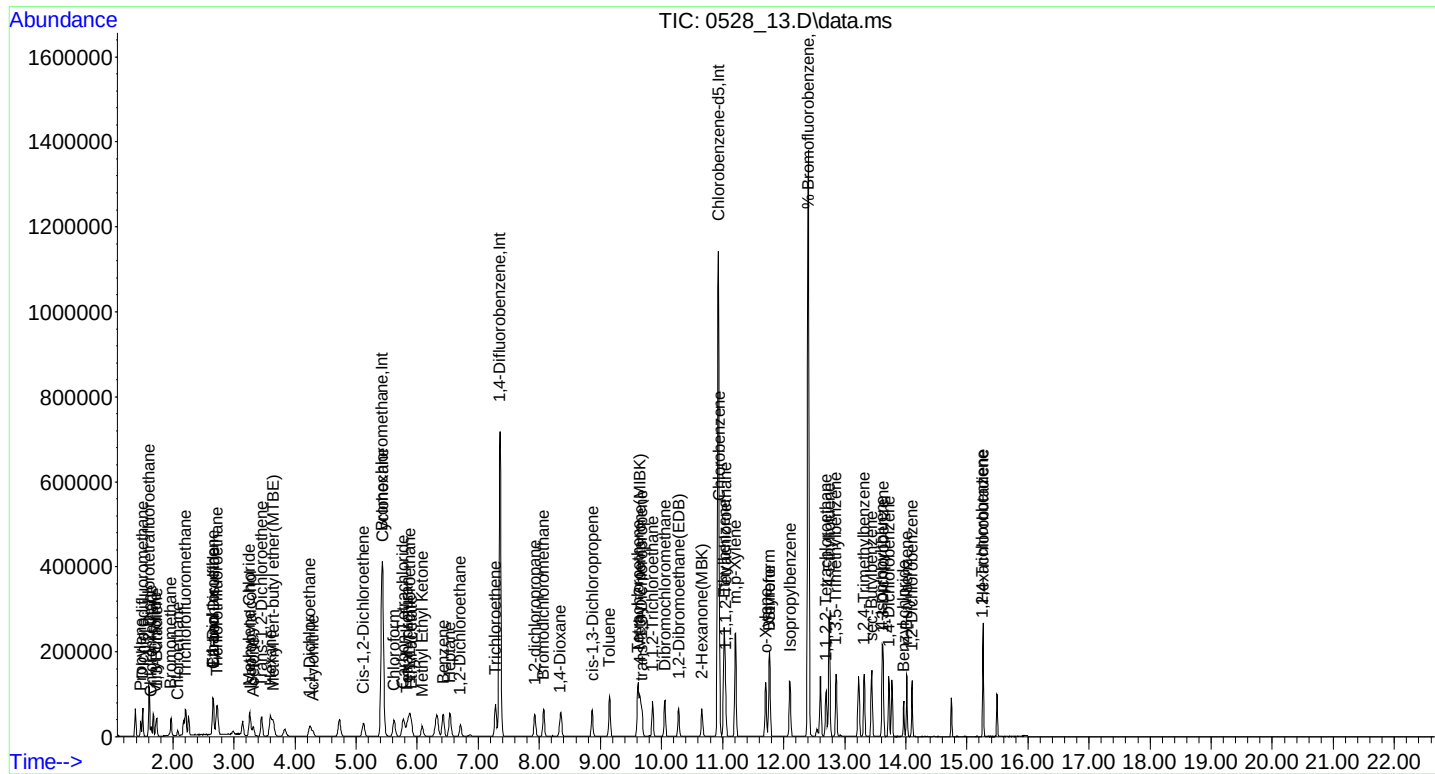
Quant Time: May 29 08:24:04 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#)out of range (m>manual integration reviewed by analyst (+)signals summed

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Data Path : H:\AIR2020\CHEM24\05MAY\28\  
Data File : 0528_13.D  
Acq On : 28 May 2020 4:33 pm  
Operator : Keith  
Client ID : ICAL 1  
Lab ID : 1ppb  
ALS Vial : 17 Sample Multiplier: 1
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Quant Time: May 29 08:24:04 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_14.D
 Acq On : 28 May 2020 5:07 pm
 Operator : Keith
 Client ID : ICAL 0.2
 Lab ID : 0.2ppb
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 29 08:13:23 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:13:05 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	193156	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	699504	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	370843	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	190166	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	750866	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	390416	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene 12.405 95 500952 10.015 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 100.20%

Target Compounds

						Qvalue
2) Propylene	1.471	41	3135	0.223	ppbv	96
3) Dichlorodifluoromethane	1.506	85	8722	0.213	ppbv	97
4) Chloromethane	1.650	50	3669	0.185	ppbv	97
6) Vinyl Chloride	1.718	62	3846	0.195	ppbv	97
7) 1,3-Butadiene	1.739	54	2644	0.196	ppbv	98
8) Bromomethane	1.972	94	4291	0.200	ppbv	98
9) Chloroethane	2.081	64	1562	0.200	ppbv	93
10) Ethanol	2.670	45	1677	0.254	ppbv#	34
12) Acetone	3.327	43	9639	0.264	ppbv	96
13) Trichlorofluoromethane	2.211	101	9516	0.195	ppbv	98
14) Isopropylalcohol	3.279	45	7367	0.203	ppbv#	77
15) Acrylonitrile	4.296	53	2405	0.191	ppbv	99
16) 1,1-Dichloroethene	2.656	61	6052	0.208	ppbv	97
17) Methylene Chloride	3.258	49	5340	0.222	ppbv	98
20) Carbon Disulfide	2.663	76	11758	0.231	ppbv#	92
21) Trichlorotrifluoroethane	2.725	101	7258	0.202	ppbv	96
22) Trans-1,2-Dichloroethene	3.450	61	6120	0.195	ppbv	97
23) 1,1-Dichloroethane	4.247	63	7660	0.199	ppbv	98
24) Methyl tert-butyl ethe...	3.655	73	10421	0.201	ppbv#	12
25) Methyl Ethyl Ketone	6.090	43	8541	0.199	ppbv	98
26) Cis-1,2-Dichloroethene	5.117	61	5969	0.196	ppbv	98
27) Hexane	3.600	57	6599	0.168	ppbv	92
28) Chloroform	5.622	83	9029	0.193	ppbv	99
29) Ethyl acetate	5.903	43	11000	0.229	ppbv#	95
30) Tetrahydrofuran	5.845	41	2826	0.223	ppbv#	90
31) 1,2-Dichloroethane	6.713	62	5858	0.191	ppbv	98
32) 1,1,1-Trichloroethane	5.874	97	8457	0.193	ppbv	98
33) Benzene	6.425	78	13002	0.203	ppbv	99
34) Carbon Tetrachloride	5.780	117	8694	0.194	ppbv	97
35) Cyclohexane	5.434	56	5982	0.194	ppbv#	92
37) 1,2-dichloropropane	7.932	63	5197	0.194	ppbv	91
38) Bromodichloromethane	8.069	83	9137	0.187	ppbv	99
39) Trichloroethene	7.281	130	5871	0.198	ppbv	98
41) 1,4-Dioxane	8.347	88	2267	0.165	ppbv#	96
43) Heptane	6.535	43	7705	0.205	ppbv	97
44) cis-1,3-Dichloropropene	8.867	75	7382	0.186	ppbv	99
45) 4-Methyl-2-pentanone(M...	9.654	43	10041	0.199	ppbv	98
46) trans-1,3-Dichloropropene	9.683	75	6670	0.188	ppbv	98
47) 1,1,2-Trichloroethane	9.856	97	5203	0.186	ppbv	95
48) Toluene	9.148	91	15177	0.194	ppbv	99
49) Dibromochloromethane	10.058	129	9329	0.181	ppbv	98
50) 2-Hexanone(MBK)	10.664	43	9846	0.192	ppbv#	98
51) 1,2-Dibromoethane(EDB)	10.282	107	9294	0.191	ppbv	99
52) Tetrachloroethene	9.618	166	7243	0.194	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_14.D
 Acq On : 28 May 2020 5:07 pm
 Operator : Keith
 Client ID : ICAL 0.2
 Lab ID : 0.2ppb
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 29 08:13:23 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:13:05 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54)	1,1,1,2-Tetrachloroethane	11.048	131	5592	0.192	ppbv	97
55)	Chlorobenzene	10.945	112	11645	0.195	ppbv#	65
56)	Ethylbenzene	11.027	91	19355	0.201	ppbv	99
57)	m,p-Xylene	11.213	91	30984	0.420	ppbv	100
58)	Bromoform	11.762	173	8615	0.176	ppbv	98
59)	Styrene	11.775	104	11069	0.199	ppbv	99
60)	1,1,2,2-Tetrachloroethane	12.697	83	12231	0.198	ppbv	100
61)	o-Xylene	11.707	91	15773	0.198	ppbv	100
64)	Isopropylbenzene	12.106	105	19213	0.197	ppbv	98
66)	4-Ethyltoluene	12.748	105	21368	0.207	ppbv	99
67)	1,3,5-Trimethylbenzene	12.859	105	18115	0.203	ppbv	99
68)	1,2,4-Trimethylbenzene	13.320	105	17474	0.205	ppbv	98
70)	Benzyl chloride	13.968	91	8314	0.157	ppbv	99
71)	1,3-Dichlorobenzene	13.631	146	11024	0.213	ppbv	97
72)	1,4-Dichlorobenzene	13.722	146	10538	0.207	ppbv	99
73)	sec-Butylbenzene	13.443	105	22378	0.201	ppbv	99
74)	4-Isopropyltoluene	13.611	119	16638	0.201	ppbv	99
75)	1,2-Dichlorobenzene	14.105	146	8663	0.211	ppbv	97
76)	n-Butylbenzene	14.020	91	15338	0.207	ppbv	98
77)	1,2,4-Trichlorobenzene	15.264	180	5853	0.232	ppbv	97
79)	Hexachlorobutadiene	15.269	225	5951	0.243	ppbv	100
81)	1,2-Dichlorotetrafluor...	1.615	135	7257	0.195	ppbv	99
82)	Vinyl Chloride(sim)	1.721	62	4142	0.191	ppbv	100
83)	Bromomethane(sim)	1.972	94	4291	0.176	ppbv	98
84)	Trichlorofluoromethane...	2.207	101	10115	0.188	ppbv	100
85)	1,1,1-Trichloroethane(...)	5.874	97	8457	0.186	ppbv#	98
86)	Carbon Tetrachloride(sim)	5.776	117	8420	0.192	ppbv	100
87)	1,1-Dichloroethene(sim)	2.656	61	6052	0.197	ppbv	97
88)	Trichlorotrifluoroetha...	2.728	101	7566	0.188	ppbv	99
89)	Trans-1,2-Dichloroethe...	3.450	61	6120	0.188	ppbv	97
90)	1,1-Dichloroethane(sim)	4.245	63	7869	0.192	ppbv	100
91)	Cis-1,2-Dichloroethene...	5.117	61	5969	0.192	ppbv	98
92)	Chloroform(sim)	5.625	83	9365	0.192	ppbv	99
93)	1,2-Dichloroethane(sim)	6.713	62	5858	0.193	ppbv	98
95)	1,2-dichloropropane(sim)	7.932	63	5197	0.190	ppbv	91
96)	Bromodichloromethane(sim)	8.072	83	9491	0.195	ppbv	100
97)	Trichloroethene(sim)	7.281	130	5871	0.194	ppbv	98
98)	1,4-Dioxane(sim)	8.343	88	3281	0.206	ppbv#	90
99)	cis-1,3-Dichloropropen...	8.867	75	7382	0.199	ppbv	99
100)	1,1,2-Trichloroethane(...)	9.859	97	5815	0.197	ppbv	99
101)	Dibromochloromethane(sim)	10.058	129	9329	0.198	ppbv	99
102)	1,2-Dibromoethane(EDB)...	10.285	107	9640	0.198	ppbv	100
103)	Tetrachloroethene(sim)	9.618	166	7243	0.195	ppbv	98
105)	Bromoform(sim)	11.762	173	8528	0.199	ppbv	97
106)	1,1,1,2-Tetrachloroeth...	11.051	131	5772	0.200	ppbv	99
107)	m,p-Xylene(sim)	11.213	91	30984	0.396	ppbv	100
108)	1,1,2,2-Tetrachloroeth...	12.693	83	12520	0.195	ppbv	100
111)	Benzyl chloride(sim)	13.968	91	8314	0.184	ppbv	99
112)	1,3-Dichlorobenzene(sim)	13.634	146	11760	0.204	ppbv	100
113)	1,4-Dichlorobenzene(sim)	13.722	146	10538	0.207	ppbv	99
114)	sec-Butylbenzene(sim)	13.446	105	23630	0.199	ppbv	100
115)	4-Isopropyltoluene(sim)	13.611	119	16638	0.197	ppbv	99
116)	1,2-Dichlorobenzene(sim)	14.108	146	9446	0.199	ppbv	100
117)	n-Butylbenzene(sim)	14.020	91	15338	0.201	ppbv	98
118)	1,2,4-Trichlorobenzene...	15.262	180	6575	0.215	ppbv	99
119)	Hexachlorobutadiene(sim)	15.269	225	5874	0.197	ppbv	100

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
Data File : 0528_14.D
Acq On : 28 May 2020 5:07 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.2ppb
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 29 08:13:23 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri May 29 08:13:05 2020
Response via : Initial Calibration

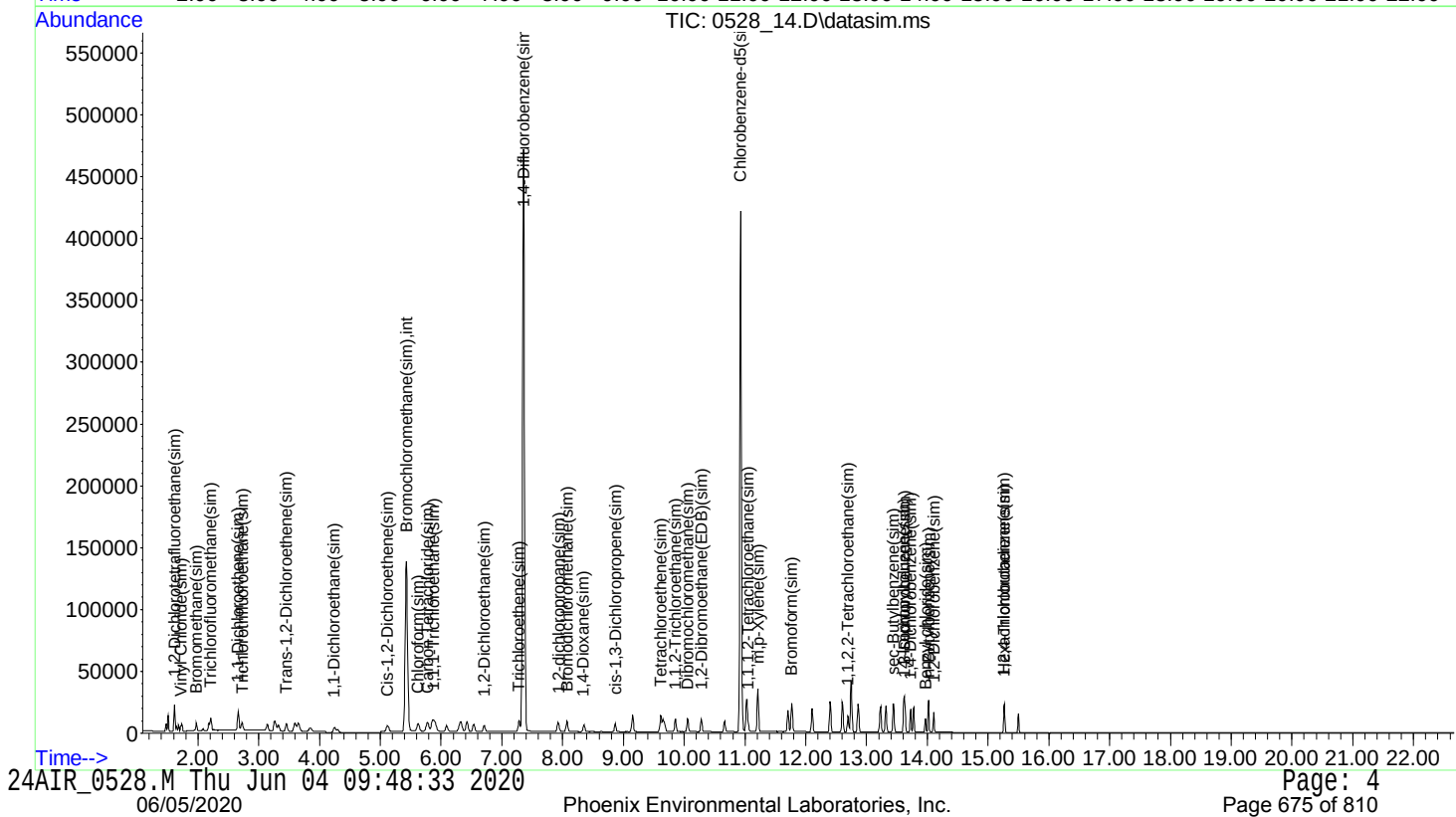
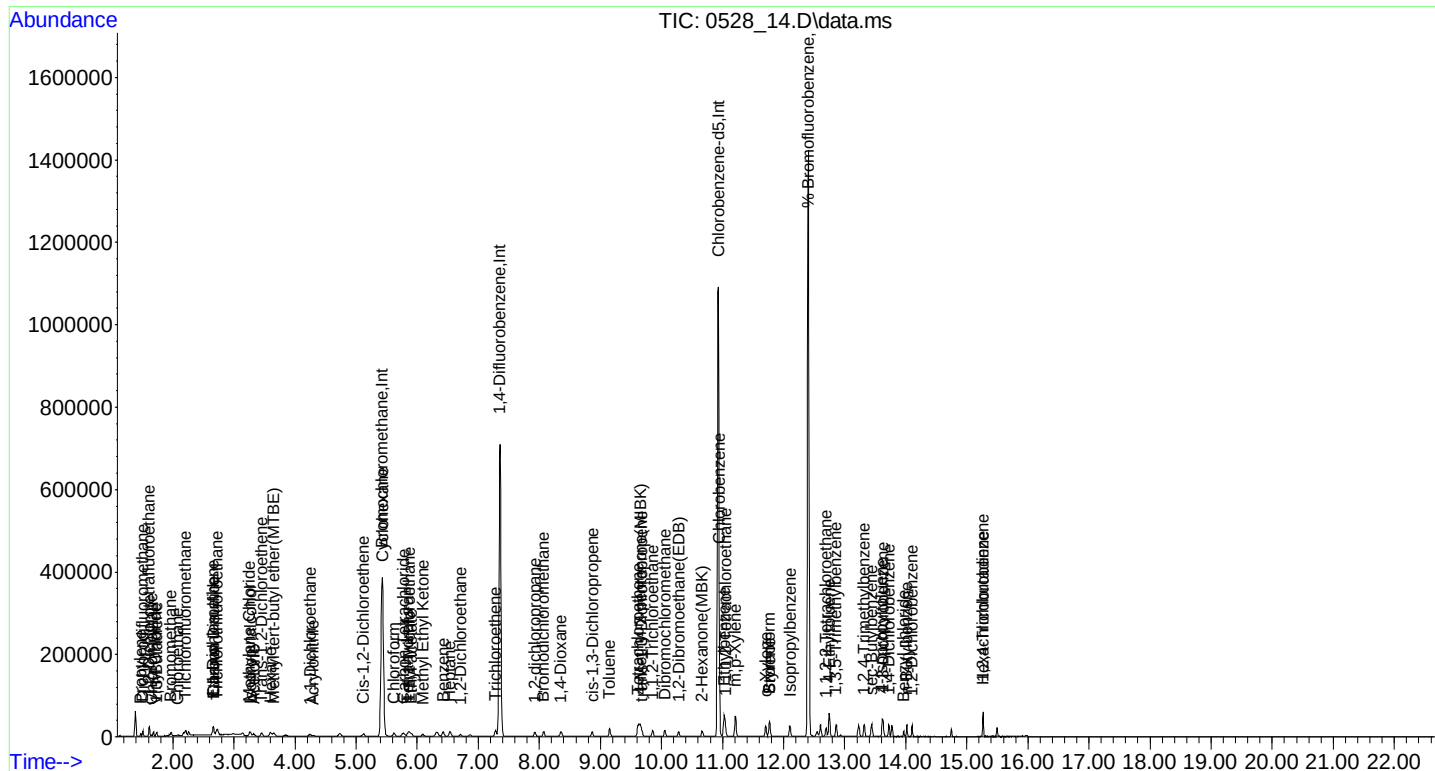
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (RF) (QT Reviewed)

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Data Path : H:\AIR2020\CHEM24\05MAY\28\  
Data File : 0528_14.D  
Acq On : 28 May 2020 5:07 pm  
Operator : Keith  
Client ID : ICAL 0.2  
Lab ID : 0.2ppb  
ALS Vial : 18 Sample Multiplier: 1
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Quant Time: May 29 08:13:23 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri May 29 08:13:05 2020
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_15.D
 Acq On : 28 May 2020 5:40 pm
 Operator : Keith
 Client ID : ICAL 10
 Lab ID : 10ppb
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 29 08:24:30 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.435	130	177375	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.357	114	641579	10.000	ng	0.00
53) Chlorobenzene-d5	10.932	82	344068	10.000	ng	0.00
80) Bromochloromethane(sim)	5.437	130	176066	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.360	114	689375	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.934	82	359850	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	12.405	95	466371	9.999	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	1.472	41	132159	10.216	ppbv#	80
3) Dichlorodifluoromethane	1.506	85	424041	11.252	ppbv	99
4) Chloromethane	1.643	50	219726	12.062	ppbv	88
5) 1,2-Dichlorotetrafluor...	1.615	135	358645	11.599	ppbv	94
6) Vinyl Chloride	1.718	62	192468	10.604	ppbv	89
7) 1,3-Butadiene	1.739	54	127992	10.347	ppbv#	86
8) Bromomethane	1.972	94	201497	10.214	ppbv#	88
9) Chloroethane	2.081	64	70925	9.896	ppbv#	79
10) Ethanol	2.656	45	56877	9.393	ppbv#	72
12) Acetone	3.306	43	275494	8.225	ppbv#	74
13) Trichlorofluoromethane	2.211	101	468295	10.455	ppbv	96
14) Isopropylalcohol	3.258	45	338439	10.178	ppbv#	1
15) Acrylonitrile	4.291	53	120522	10.423	ppbv#	93
16) 1,1-Dichloroethene	2.663	61	275866	10.328	ppbv	96
17) Methylene Chloride	3.258	49	220706	9.989	ppbv	96
20) Carbon Disulfide	2.663	76	478213	10.222	ppbv#	80
21) Trichlorotrifluoroethane	2.725	101	343176	10.390	ppbv	95
22) Trans-1,2-Dichloroethene	3.457	61	298645	10.342	ppbv	94
23) 1,1-Dichloroethane	4.252	63	358109	10.119	ppbv	95
24) Methyl tert-butyl ethe...	3.628	73	481741	10.113	ppbv	100
25) Methyl Ethyl Ketone	6.076	43	398336	10.090	ppbv#	87
26) Cis-1,2-Dichloroethene	5.125	61	289951	10.358	ppbv	95
27) Hexane	3.600	57	369787	10.262	ppbv#	86
28) Chloroform	5.629	83	445298	10.347	ppbv	97
29) Ethyl acetate	5.896	43	443168	10.053	ppbv#	83
30) Tetrahydrofuran	5.817	41	113752	9.772	ppbv	100
31) 1,2-Dichloroethane	6.713	62	287996	10.223	ppbv	96
32) 1,1,1-Trichloroethane	5.874	97	417450	10.351	ppbv	96
33) Benzene	6.432	78	590150	10.038	ppbv	98
34) Carbon Tetrachloride	5.781	117	433643	10.529	ppbv	97
35) Cyclohexane	5.442	56	288018	10.176	ppbv#	81
37) 1,2-dichloropropane	7.932	63	254164	10.332	ppbv#	76
38) Bromodichloromethane	8.076	83	483970	10.802	ppbv	98
39) Trichloroethene	7.288	130	284051	10.430	ppbv	99
41) 1,4-Dioxane	8.326	88	133761	10.619	ppbv	85
43) Heptane	6.542	43	339964	9.872	ppbv#	88
44) cis-1,3-Dichloropropene	8.867	75	396366	10.905	ppbv	93
45) 4-Methyl-2-pentanone(M...	9.647	43	483278	10.426	ppbv#	92
46) trans-1,3-Dichloropropene	9.683	75	348427	10.721	ppbv#	93
47) 1,1,2-Trichloroethane	9.856	97	270909	10.550	ppbv	96
48) Toluene	9.156	91	747669	10.397	ppbv	98
49) Dibromochloromethane	10.058	129	531513	11.219	ppbv	98
50) 2-Hexanone(MBK)	10.657	43	484936	10.324	ppbv	95
51) 1,2-Dibromoethane(EDB)	10.282	107	471061	10.581	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_15.D
 Acq On : 28 May 2020 5:40 pm
 Operator : Keith
 Client ID : ICAL 10
 Lab ID : 10ppb
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 29 08:24:30 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	9.618	166	357508	10.461	ppbv	98
54)	1,1,1,2-Tetrachloroethane	11.048	131	291779	10.785	ppbv	99
55)	Chlorobenzene	10.952	112	574679	10.384	ppbv#	39
56)	Ethylbenzene	11.028	91	931452	10.417	ppbv	98
57)	m,p-Xylene	11.213	91	1438990	21.008	ppbv	98
58)	Bromoform	11.769	173	527863	11.645	ppbv	99
59)	Styrene	11.775	104	544507	10.528	ppbv	91
60)	1,1,2,2-Tetrachloroethane	12.697	83	594229	10.389	ppbv	99
61)	o-Xylene	11.707	91	756415	10.222	ppbv	96
64)	Isopropylbenzene	12.106	105	929974	10.268	ppbv	97
66)	4-Ethyltoluene	12.749	105	990698	10.353	ppbv	99
67)	1,3,5-Trimethylbenzene	12.865	105	843664	10.200	ppbv	96
68)	1,2,4-Trimethylbenzene	13.320	105	806656	10.192	ppbv	97
70)	Benzyl chloride	13.968	91	561260	11.445	ppbv	97
71)	1,3-Dichlorobenzene	13.631	146	497432	10.381	ppbv	99
72)	1,4-Dichlorobenzene	13.728	146	491330	10.395	ppbv	97
73)	sec-Butylbenzene	13.443	105	1061208	10.263	ppbv	99
74)	4-Isopropyltoluene	13.618	119	803448	10.461	ppbv	96
75)	1,2-Dichlorobenzene	14.105	146	390852	10.276	ppbv	99
76)	n-Butylbenzene	14.020	91	711762	10.330	ppbv	97
77)	1,2,4-Trichlorobenzene	15.264	180	232754	9.946	ppbv	98
79)	Hexachlorobutadiene	15.269	225	226989	9.978	ppbv	99
81)	1,2-Dichlorotetrafluor...	1.615	135	358429	10.388	ppbv	94
82)	Vinyl Chloride(sim)	1.721	62	201150	10.043	ppbv	100
83)	Bromomethane(sim)	1.972	94	201497	8.942	ppbv#	88
84)	Trichlorofluoromethane...	2.214	101	487355	9.778	ppbv	99
85)	1,1,1-Trichloroethane...	5.874	97	417450	9.924	ppbv#	96
86)	Carbon Tetrachloride(sim)	5.783	117	442118	10.864	ppbv	100
87)	1,1-Dichloroethene(sim)	2.663	61	275866	9.687	ppbv	96
88)	Trichlorotrifluoroetha...	2.728	101	360347	9.663	ppbv	99
89)	Trans-1,2-Dichloroethe...	3.457	61	298645	9.904	ppbv	94
90)	1,1-Dichloroethane(sim)	4.250	63	377854	9.961	ppbv	99
91)	Cis-1,2-Dichloroethene...	5.125	61	289951	10.086	ppbv	95
92)	Chloroform(sim)	5.632	83	461205	10.196	ppbv	99
93)	1,2-Dichloroethane(sim)	6.713	62	287996	10.224	ppbv	96
95)	1,2-dichloropropane(sim)	7.932	63	254164	10.108	ppbv#	76
96)	Bromodichloromethane(sim)	8.072	83	500658	11.196	ppbv	100
97)	Trichloroethene(sim)	7.288	130	284051	10.218	ppbv	98
98)	1,4-Dioxane(sim)	8.321	88	144104	9.833	ppbv#	70
99)	cis-1,3-Dichloropropen...	8.867	75	396366	11.661	ppbv	93
100)	1,1,2-Trichloroethane(...)	9.859	97	281673	10.407	ppbv	99
101)	Dibromochloromethane(sim)	10.058	129	531319	12.274	ppbv	98
102)	1,2-Dibromoethane(EDB)...	10.285	107	486880	10.902	ppbv	100
103)	Tetrachloroethene(sim)	9.618	166	357379	10.463	ppbv	98
105)	Bromoform(sim)	11.769	173	527615	13.343	ppbv	98
106)	1,1,1,2-Tetrachloroeth...	11.051	131	300189	11.291	ppbv	100
107)	m,p-Xylene(sim)	11.213	91	1440445	19.979	ppbv	98
108)	1,1,2,2-Tetrachloroeth...	12.693	83	610514	10.318	ppbv	100
111)	Benzyl chloride(sim)	13.968	91	561260	13.473	ppbv	97
112)	1,3-Dichlorobenzene(sim)	13.634	146	533122	10.043	ppbv	100
113)	1,4-Dichlorobenzene(sim)	13.728	146	491890	10.466	ppbv	97
114)	sec-Butylbenzene(sim)	13.446	105	1123801	10.285	ppbv	99
115)	4-Isopropyltoluene(sim)	13.618	119	803448	10.329	ppbv	96
116)	1,2-Dichlorobenzene(sim)	14.108	146	422888	9.671	ppbv	100
117)	n-Butylbenzene(sim)	14.020	91	711762	10.096	ppbv	97
118)	1,2,4-Trichlorobenzene...	15.262	180	252581	8.967	ppbv	99
119)	Hexachlorobutadiene(sim)	15.269	225	226989	8.279	ppbv	99

Quantitation Report (RF) (QT Reviewed)

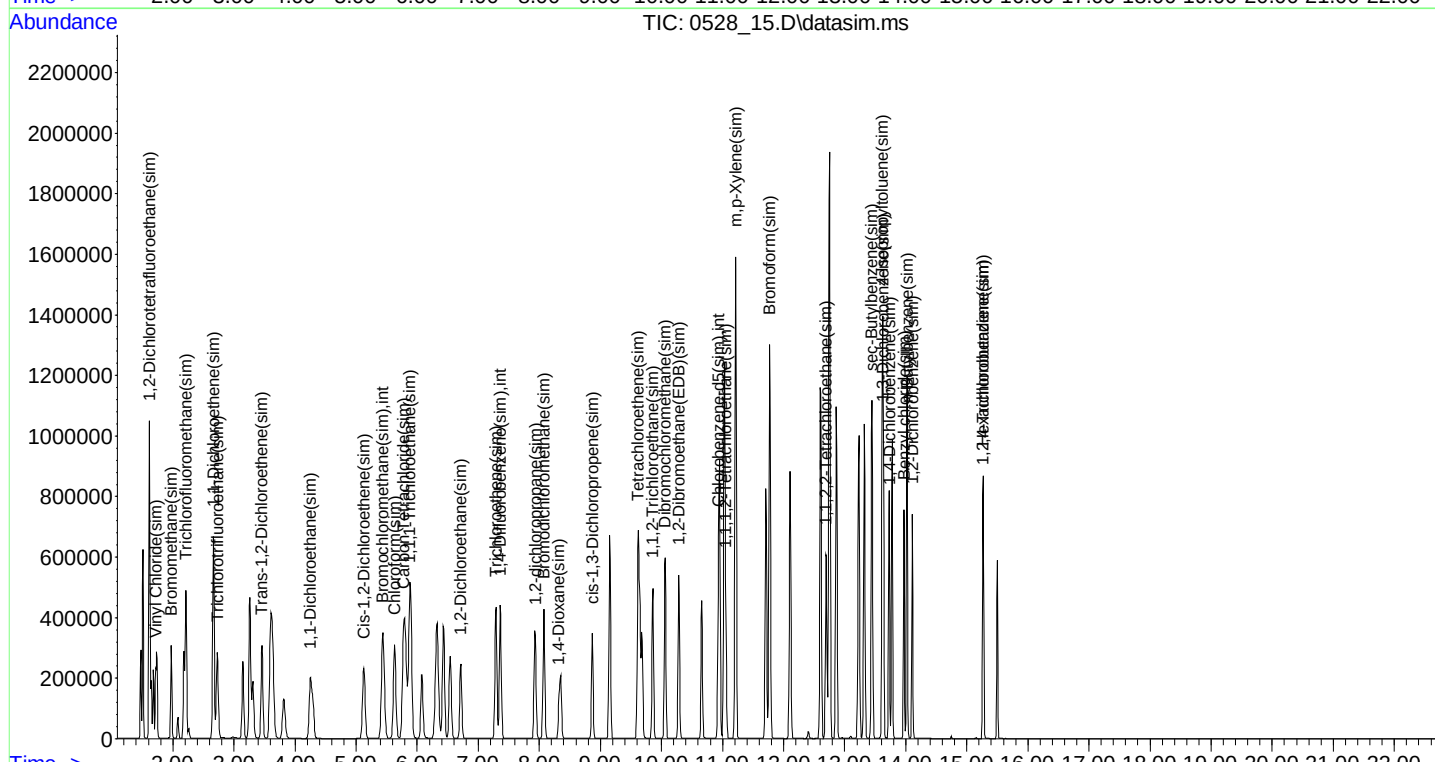
Data Path : H:\AIR2020\CHEM24\05MAY\28\
 Data File : 0528_15.D
 Acq On : 28 May 2020 5:40 pm
 Operator : Keith
 Client ID : ICAL 10
 Lab ID : 10ppb
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 29 08:24:30 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

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

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

Data Path : H:\AIR2020\CHEM24\05MAY\28\
Data File : 0528_15.D
Acq On : 28 May 2020 5:40 pm
Operator : Keith
Client ID : ICAL 10
Lab ID : 10ppb
ALS Vial : 19 Sample Multiplier: 1

[illegible]

7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG03886

Instrument: CHEM20 Calibration Date: 06/01/20 Time: 10:23

Lab File Id: 0601_05.D Init. Calib. Date(s): 05/22/20 05/22/20

Heated Purge (Y/N): Y Init. Calib. Times: 13:01 20:23

GC Column: RTX-1 60M Method File: 20_AIR_0522.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	0.870	1.034		-18.9	30
Dichlorodifluoromethane	3.461	3.479		-0.5	30
Chloromethane	1.054	1.056		-0.2	30
1,2-Dichlorotetrafluoroethane	3.029	2.646		12.6	30
Vinyl Chloride	1.222	0.914		25.2	30
1,3-Butadiene	0.907	0.718		20.8	30
Bromomethane	1.074	0.958		10.8	30
Chloroethane	0.522	0.420		19.5	30
Ethanol	0.391	0.321		17.9	30
Acetone	1.848	1.615		12.6	30
Trichlorofluoromethane	3.558	3.711		-4.3	30
Isopropylalcohol	2.045	1.776		13.2	30
Acrylonitrile	0.763	0.614		19.5	30
1,1-Dichloroethene	2.407	2.219		7.8	30
Methylene Chloride	1.288	1.167		9.4	30
Carbon Disulfide	2.698	2.253		16.5	30
Trichlorotrifluoroethane	2.327	2.255		3.1	30
Trans-1,2-Dichloroethene	1.824	1.517		16.8	30
1,1-Dichloroethane	2.176	1.898		12.8	30
Methyl tert-butyl ether(MTBE)	2.966	2.800		5.6	30
Methyl Ethyl Ketone	1.968	1.781		9.5	30
Cis-1,2-Dichloroethene	1.862	1.604		13.9	30
Hexane	1.589	1.330		16.3	30
Chloroform	2.472	2.422		2.0	30
Ethyl acetate	0.407	0.335		17.7	30
Tetrahydrofuran	0.928	1.203		-29.6	30
1,2-Dichloroethane	2.021	2.177		-7.7	30
1,1,1-Trichloroethane	2.603	2.953		-13.4	30
Benzene	2.254	2.835		-25.8	30
Carbon Tetrachloride	2.971	3.049		-2.6	30
Cyclohexane	0.938	1.192		-27.1	30
1,2-dichloropropane	0.351	0.338		3.7	30
Bromodichloromethane	0.795	0.723		9.1	30
Trichloroethene	0.387	0.371		4.1	30
1,4-Dioxane	0.165	0.165		0.0	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG03886

Instrument: CHEM20 Calibration Date: 06/01/20 Time: 10:23

Lab File Id: 0601_05.D Init. Calib. Date(s): 05/22/20 05/22/20

Heated Purge (Y/N): Y Init. Calib. Times: 13:01 20:23

GC Column: RTX-1 60M Method File: 20_AIR_0522.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Heptane	0.568	0.579		-1.9	30
cis-1,3-Dichloropropene	0.483	0.445		7.9	30
4-Methyl-2-pentanone(MIBK)	0.808	0.816		-1.0	30
trans-1,3-Dichloropropene	0.450	0.413		8.2	30
1,1,2-Trichloroethane	0.347	0.346		0.3	30
Toluene	0.921	0.846		8.1	30
Dibromochloromethane	0.760	0.668		12.1	30
2-Hexanone(MBK)	0.725	0.697		3.9	30
1,2-Dibromoethane(EDB)	0.570	0.561		1.6	30
Tetrachloroethene	0.563	0.486		13.7	30
1,1,1,2-Tetrachloroethane	0.915	0.922		-0.8	30
Chlorobenzene	1.462	1.525		-4.3	30
Ethylbenzene	2.071	2.135		-3.1	30
m,p-Xylene	1.730	1.480		14.5	30
Bromoform	1.428	1.220		14.6	30
Styrene	1.183	1.127		4.7	30
1,1,2,2-Tetrachloroethane	1.415	1.525		-7.8	30
o-Xylene	1.933	1.923		0.5	30
Isopropylbenzene	2.632	2.621		0.4	30
4-Ethyltoluene	2.697	2.620		2.9	30
1,3,5-Trimethylbenzene	2.459	2.439		0.8	30
1,2,4-Trimethylbenzene	2.456	2.392		2.6	30
Benzyl chloride	2.056	1.589		22.7	30
1,3-Dichlorobenzene	1.808	1.756		2.9	30
1,4-Dichlorobenzene	1.637	1.461		10.8	30
sec-Butylbenzene	2.456	2.392		2.6	30
4-Isopropyltoluene	3.106	3.224		-3.8	30
1,2-Dichlorobenzene	1.743	1.595		8.5	30
n-Butylbenzene	2.726	2.720		0.2	30
1,2,4-Trichlorobenzene	1.365	0.956		30.0	30
Hexachlorobutadiene	1.889	1.445		23.5	30
1,2-Dichlorotetrafluoroethane(sim)	2.986	2.470		17.3	30
Vinyl Chloride(sim)	1.306	0.943		27.8	30
Bromomethane(sim)	1.114	0.895		19.7	30
Trichlorofluoromethane(sim)	3.707	3.659		1.3	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG03886

Instrument: CHEM20 Calibration Date: 06/01/20 Time: 10:23

Lab File Id: 0601_05.D Init. Calib. Date(s): 05/22/20 05/22/20

Heated Purge (Y/N): Y Init. Calib. Times: 13:01 20:23

GC Column: RTX-1 60M Method File: 20_AIR_0522.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,2-Dichloroethane(sim)	1.964	2.033		-3.5	30
1,1,1-Trichloroethane(sim)	2.808	3.152		-12.3	30
Carbon Tetrachloride(sim)	2.833	2.849		-0.6	30
1,1-Dichloroethene(sim)	2.440	2.009		17.7	30
Trichlorotrifluoroethane(sim)	2.327	2.106		9.5	30
Trans-1,2-Dichloroethene(sim)	1.935	1.588		17.9	30
1,1-Dichloroethane(sim)	2.256	1.773		21.4	30
Cis-1,2-Dichloroethene(sim)	1.768	1.407		20.4	30
Chloroform(sim)	2.602	2.264		13.0	30
1,2-dichloropropane(sim)	0.336	0.299		11.0	30
Bromodichloromethane(sim)	0.792	0.714		9.8	30
Trichloroethene(sim)	0.351	0.329		6.3	30
1,4-Dioxane(sim)	0.138	0.153		-10.9	30
cis-1,3-Dichloropropene(sim)	0.375	0.394		-5.1	30
1,1,2-Trichloroethane(sim)	0.352	0.349		0.9	30
Dibromochloromethane(sim)	0.647	0.590		8.8	30
1,2-Dibromoethane(EDB)(sim)	0.522	0.554		-6.1	30
Tetrachloroethene(sim)	0.508	0.430		15.4	30
Bromoform(sim)	1.278	1.097		14.2	30
m,p-Xylene(sim)	1.577	1.868		-18.5	30
1,1,2,2-Tetrachloroethane(sim)	1.322	1.372		-3.8	30
Benzyl chloride(sim) qfi	1.000	0.90		10.0	20
1,3-Dichlorobenzene(sim)	1.512	1.579		-4.4	30
1,4-Dichlorobenzene(sim)	1.419	1.690		-19.1	30
sec-Butylbenzene(sim) qfi	1.000	1.03		-3.0	20
4-Isopropyltoluene(sim) qfi	1.000	1.06		-6.0	20
1,2-Dichlorobenzene(sim)	1.489	1.435		3.6	30
n-Butylbenzene(sim) qfi	1.000	1.07		-7.0	20
1,2,4-Trichlorobenzene(sim)	1.083	0.848		21.7	30
Hexachlorobutadiene(sim)	1.879	1.734		7.7	30
% Bromofluorobenzene	1.439	1.397		2.9	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_05.D
 Acq On : 1 Jun 2020 10:23 am
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb cc - 1ppb cc
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 01 11:53:43 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) 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	83
2	Propylene	0.870	1.034	-18.9	
3	Dichlorodifluoromethane	3.461	3.479	-0.5	
4	Chloromethane	1.054	1.056	-0.2	
5	1,2-Dichlorotetrafluoroetha	3.029	2.646	12.6	
6	Vinyl Chloride	1.222	0.914	25.2	
7	1,3-Butadiene	0.907	0.718	20.8	
8	Bromomethane	1.074	0.958	10.8	
9	Chloroethane	0.522	0.420	19.5	
11	Ethanol	0.391	0.321	17.9	
12	Acetone	1.848	1.615	12.6	
13	Trichlorofluoromethane	3.558	3.711	-4.3	
14	Isopropylalcohol	2.045	1.776	13.2	
15	Acrylonitrile	0.763	0.614	19.5	
16	1,1-Dichloroethene	2.407	2.219	7.8	
17	Methylene Chloride	1.288	1.167	9.4	
20	Carbon Disulfide	2.698	2.253	16.5	
21	Trichlorotrifluoroethane	2.327	2.255	3.1	
22	Trans-1,2-Dichloroethene	1.824	1.517	16.8	
23	1,1-Dichloroethane	2.176	1.898	12.8	
24	Methyl tert-butyl ether(MTB)	2.966	2.800	5.6	
25	Methyl Ethyl Ketone	1.968	1.781	9.5	
26	Cis-1,2-Dichloroethene	1.862	1.604	13.9	
27	Hexane	1.589	1.330	16.3	
28	Chloroform	2.472	2.422	2.0	
29	Ethyl acetate	0.407	0.335	17.7	
30	Tetrahydrofuran	0.928	1.203	-29.6	
31	1,2-Dichloroethane	2.021	2.177	-7.7	
32	1,1,1-Trichloroethane	2.603	2.953	-13.4	
33	Benzene	2.254	2.835	-25.8	
34	Carbon Tetrachloride	2.971	3.049	-2.6	
35	Cyclohexane	0.938	1.192	-27.1	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	100
37	1,2-dichloropropane	0.351	0.338	3.7	
38	Bromodichloromethane	0.795	0.723	9.1	
39	Trichloroethene	0.387	0.371	4.1	
41	1,4-Dioxane	0.165	0.165	0.0	
43	Heptane	0.568	0.579	-1.9	
44	cis-1,3-Dichloropropene	0.483	0.445	7.9	
45	4-Methyl-2-pentanone(MIBK)	0.808	0.816	-1.0	
46	trans-1,3-Dichloropropene	0.450	0.413	8.2	
47	1,1,2-Trichloroethane	0.347	0.346	0.3	
48	Toluene	0.921	0.846	8.1	
49	Dibromochloromethane	0.760	0.668	12.1	
50	2-Hexanone(MBK)	0.725	0.697	3.9	
51	1,2-Dibromoethane(EDB)	0.570	0.561	1.6	
52	Tetrachloroethene	0.563	0.486	13.7	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	95
54	1,1,1,2-Tetrachloroethane	0.915	0.922	-0.8	
55	Chlorobenzene	1.462	1.525	-4.3	
56	Ethylbenzene	2.071	2.135	-3.1	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_05.D
 Acq On : 1 Jun 2020 10:23 am
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb cc - 1ppb cc
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 01 11:53:43 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

Note: Curves (l, lf, g, 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%	
57	m, p-Xylene	1.730	1.480	14.5	
58	Bromoform	1.428	1.220	14.6	
59	Styrene	1.183	1.127	4.7	
60	1,1,2,2-Tetrachloroethane	1.415	1.525	-7.8	
61	o-Xylene	1.933	1.923	0.5	
62	Surr % Bromofluorobenzene	1.439	1.397	2.9	
64	Isopropylbenzene	2.632	2.621	0.4	
66	4-Ethyltoluene	2.697	2.620	2.9	
67	1,3,5-Trimethylbenzene	2.459	2.439	0.8	
68	1,2,4-Trimethylbenzene	2.456	2.392	2.6	
70	Benzyl chloride	2.056	1.589	22.7	
71	1,3-Dichlorobenzene	1.808	1.756	2.9	
72	1,4-Dichlorobenzene	1.637	1.461	10.8	
73	sec-Butylbenzene	2.456	2.392	2.6	
74	4-Isopropyltoluene	3.106	3.224	-3.8	
75	1,2-Dichlorobenzene	1.743	1.595	8.5	
76	n-Butylbenzene	2.726	2.720	0.2	
77	1,2,4-Trichlorobenzene	1.365	0.956	30.0	
79	Hexachlorobutadiene	1.889	1.445	23.5	
80	int Bromochloromethane(sim)	1.000	1.000	0.0	84
81	1,2-Dichlorotetrafluoroetha	2.986	2.470	17.3	
82	Vinyl Chloride(sim)	1.306	0.943	27.8	
83	Bromomethane(sim)	1.114	0.895	19.7	
84	Trichlorofluoromethane(sim)	3.707	3.659	1.3	
85	1,2-Dichloroethane(sim)	1.964	2.033	-3.5	
86	1,1,1-Trichloroethane(sim)	2.808	3.152	-12.3	
87	Carbon Tetrachloride(sim)	2.833	2.849	-0.6	
88	1,1-Dichloroethene(sim)	2.440	2.009	17.7	
89	Trichlorotrifluoroethane(si	2.327	2.106	9.5	
90	Trans-1,2-Dichloroethene(si	1.935	1.588	17.9	
91	1,1-Dichloroethane(sim)	2.256	1.773	21.4	
92	Cis-1,2-Dichloroethene(sim)	1.768	1.407	20.4	
93	Chloroform(sim)	2.602	2.264	13.0	
94	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	102
95	1,2-dichloropropane(sim)	0.336	0.299	11.0	
96	Bromodichloromethane(sim)	0.792	0.714	9.8	
97	Trichloroethene(sim)	0.351	0.329	6.3	
98	1,4-Dioxane(sim)	0.138	0.153	-10.9	
99	cis-1,3-Dichloropropene(sim	0.375	0.394	-5.1	
100	1,1,2-Trichloroethane(sim)	0.352	0.349	0.9	
101	Dibromochloromethane(sim)	0.647	0.590	8.8	
102	1,2-Dibromoethane(EDB)(sim)	0.522	0.554	-6.1	
103	Tetrachloroethene(sim)	0.508	0.430	15.4	
104	int Chlorobenzene-d5(sim)	1.000	1.000	0.0	97
105	Bromoform(sim)	1.278	1.097	14.2	
106	m, p-Xylene(sim)	1.577	1.868	-18.5	
107	1,1,2,2-Tetrachloroethane(s	1.322	1.372	-3.8	
110	qf Benzyl chloride(sim)	1.000	0.897	10.3	
111	1,3-Dichlorobenzene(sim)	1.512	1.579	-4.4	
112	1,4-Dichlorobenzene(sim)	1.419	1.690	-19.1	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_05.D
 Acq On : 1 Jun 2020 10:23 am
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb cc - 1ppb cc
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 01 11:53:43 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:44:12 2020
 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%
113 qf	sec-Butylbenzene(sim)	1.000	1.029	-2.9
114 qf	4-Isopropyltoluene(sim)	1.000	1.063	-6.3
115	1,2-Dichlorobenzene(sim)	1.489	1.435	3.6
116 qf	n-Butylbenzene(sim)	1.000	1.067	-6.7
117	1,2,4-Trichlorobenzene(sim)	1.083	0.848	21.7
119	Hexachlorobutadiene(sim)	1.879	1.734	7.7

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	595470	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.976	114	2286735	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1179299	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.775	130	637481	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2584911	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1310915	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1646971	9.703	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	3.382	41	61572	1.188	ppbv	94
3) Dichlorodifluoromethane	3.446	85	207189	1.005	ppbv	98
4) Chloromethane	3.587	50	62888	1.002	ppbv	97
5) 1,2-Dichlorotetrafluor...	3.673	85	157576	0.873	ppbv	91
6) Vinyl Chloride	3.770	62	54416	0.748	ppbv	98
7) 1,3-Butadiene	3.888	54	42753	0.792	ppbv	97
8) Bromomethane	4.104	94	57049	0.892	ppbv	97
9) Chloroethane	4.244	64	25033	0.805	ppbv	94
11) Ethanol	4.395	45	19131	0.822	ppbv	95
12) Acetone	4.740	43	96173	0.874	ppbv	96
13) Trichlorofluoromethane	4.815	101	220989	1.043	ppbv	100
14) Isopropylalcohol	4.923	45	105769	0.869	ppbv	96
15) Acrylonitrile	5.052	53	36568	0.805	ppbv#	52
16) 1,1-Dichloroethene	5.266	61	132122	0.922	ppbv	94
17) Methylene Chloride	5.352	49	69464	0.906	ppbv	98
20) Carbon Disulfide	5.559	76	134167	0.835	ppbv	98
21) Trichlorotrifluoroethane	5.525	101	134274	0.969	ppbv	98
22) Trans-1,2-Dichloroethene	5.982	61	90352	0.832	ppbv	90
23) 1,1-Dichloroethane	6.116	63	113047	0.872	ppbv	97
24) Methyl tert-butyl ethe...	6.172	73	166714	0.944	ppbv	97
25) Methyl Ethyl Ketone	6.392	43	106058	0.905	ppbv	97
26) Cis-1,2-Dichloroethene	6.655	61	95537	0.862	ppbv	96
27) Hexane	6.780	57	79224	0.838	ppbv	98
28) Chloroform	6.842	83	144236	0.980	ppbv	96
29) Ethyl acetate	6.801	61	19933	0.822	ppbv	89
30) Tetrahydrofuran	7.134	42	71641m	1.297	ppbv	98
31) 1,2-Dichloroethane	7.321	62	129617	1.077	ppbv#	94
32) 1,1,1-Trichloroethane	7.478	97	175839	1.134	ppbv	97
33) Benzene	7.776	78	168813	1.258	ppbv	97
34) Carbon Tetrachloride	7.865	117	181587	1.027	ppbv	96
35) Cyclohexane	7.943	84	70979	1.271	ppbv	89
37) 1,2-dichloropropane	8.277	63	77288	0.964	ppbv	96
38) Bromodichloromethane	8.399	83	165238	0.909	ppbv	96
39) Trichloroethene	8.422	130	84930	0.961	ppbv	97
41) 1,4-Dioxane	8.433	88	37720	1.001	ppbv	89
43) Heptane	8.566	43	132328	1.018	ppbv	96
44) cis-1,3-Dichloropropene	8.934	75	101864	0.922	ppbv	99
45) 4-Methyl-2-pentanone(M...	8.945	43	186566	1.010	ppbv#	86
46) trans-1,3-Dichloropropene	9.229	75	94496	0.918	ppbv	99
47) 1,1,2-Trichloroethane	9.345	97	79027	0.995	ppbv	97
48) Toluene	9.510	91	193346	0.918	ppbv	99
49) Dibromochloromethane	9.762	129	152641	0.878	ppbv	99
50) 2-Hexanone(MBK)	9.636	43	159482	0.962	ppbv#	90
51) 1,2-Dibromoethane(EDB)	9.908	107	128227	0.985	ppbv	97

Data Path : H:\AIR2020\CHEM20\06JUN\01\
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 Lab ID : 1ppb cc - 1ppb cc
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 01 11:53:43 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	10.160	166	111233	0.865	ppbv	97
54)	1,1,1,2-Tetrachloroethane	10.528	131	108712	1.008	ppbv	97
55)	Chlorobenzene	10.549	112	179841	1.043	ppbv	94
56)	Ethylbenzene	10.743	91	251758	1.031	ppbv	96
57)	m,p-Xylene	10.836	91	436301	2.138	ppbv	95
58)	Bromoform	10.918	173	143844	0.854	ppbv	98
59)	Styrene	11.051	104	132899	0.952	ppbv	99
60)	1,1,2,2-Tetrachloroethane	11.102	83	179805	1.077	ppbv	93
61)	o-Xylene	11.112	91	226785	0.995	ppbv	96
64)	Isopropylbenzene	11.430	105	309074	0.996	ppbv	99
66)	4-Ethyltoluene	11.810	105	309018	0.972	ppbv	98
67)	1,3,5-Trimethylbenzene	11.851	105	287609	0.992	ppbv	97
68)	1,2,4-Trimethylbenzene	12.107	105	282134	0.974	ppbv	95
70)	Benzyl chloride	12.199	91	187378	0.773	ppbv	98
71)	1,3-Dichlorobenzene	12.220	146	207035	0.971	ppbv	98
72)	1,4-Dichlorobenzene	12.261	146	172344	0.893	ppbv	99
73)	sec-Butylbenzene	12.107	105	282134	0.974	ppbv	97
74)	4-Isopropyltoluene	12.364	119	380237	1.038	ppbv	99
75)	1,2-Dichlorobenzene	12.477	146	188088	0.915	ppbv	97
76)	n-Butylbenzene	12.630	91	320713	0.998	ppbv	97
77)	1,2,4-Trichlorobenzene	13.616	180	112707m	0.700	ppbv	94
79)	Hexachlorobutadiene	13.944	225	170352	0.765	ppbv	99
81)	1,2-Dichlorotetrafluor...	3.673	85	157453	0.827	ppbv	91
82)	Vinyl Chloride(sim)	3.775	62	60095	0.722	ppbv	99
83)	Bromomethane(sim)	4.104	94	57049	0.804	ppbv	97
84)	Trichlorofluoromethane...	4.821	101	233243	0.987	ppbv#	100
85)	1,2-Dichloroethane(sim)	7.321	62	129617	1.035	ppbv#	94
86)	1,1,1-Trichloroethane(...)	7.483	97	200912	1.122	ppbv#	98
87)	Carbon Tetrachloride(sim)	7.865	117	181587	1.006	ppbv	96
88)	1,1-Dichloroethene(sim)	5.263	61	128041	0.823	ppbv	95
89)	Trichlorotrifluoroetha...	5.525	101	134274	0.905	ppbv#	97
90)	Trans-1,2-Dichloroethe...	5.980	61	101207	0.820	ppbv	91
91)	1,1-Dichloroethane(sim)	6.116	63	113047	0.786	ppbv	97
92)	Cis-1,2-Dichloroethene...	6.660	61	89675	0.796	ppbv	90
93)	Chloroform(sim)	6.842	83	144351	0.870	ppbv	96
95)	1,2-dichloropropane(sim)	8.277	63	77288	0.890	ppbv	96
96)	Bromodichloromethane(sim)	8.405	83	184587	0.901	ppbv	97
97)	Trichloroethene(sim)	8.422	130	85053	0.936	ppbv	97
98)	1,4-Dioxane(sim)	8.438	88	39596	1.109	ppbv	92
99)	cis-1,3-Dichloropropen...	8.934	75	101864	1.050	ppbv	99
100)	1,1,2-Trichloroethane(...)	9.351	97	90176	0.992	ppbv	98
101)	Dibromochloromethane(sim)	9.762	129	152421	0.911	ppbv	99
102)	1,2-Dibromoethane(EDB)...	9.914	107	143322	1.062	ppbv	100
103)	Tetrachloroethene(sim)	10.160	166	111233	0.847	ppbv	97
105)	Bromoform(sim)	10.918	173	143844	0.859	ppbv	98
106)	m,p-Xylene(sim)	10.841	91	489862	2.369	ppbv	99
107)	1,1,2,2-Tetrachloroeth...	11.102	83	179805	1.038	ppbv	98
110)	Benzyl chloride(sim)	12.205	91	206523	0.897	ppbv	98
111)	1,3-Dichlorobenzene(sim)	12.220	146	207035	1.045	ppbv	98
112)	1,4-Dichlorobenzene(sim)	12.256	146	221557	1.191	ppbv	97
113)	sec-Butylbenzene(sim)	12.107	105	281749	1.029	ppbv	97
114)	4-Isopropyltoluene(sim)	12.359	119	414245	1.063	ppbv	100
115)	1,2-Dichlorobenzene(sim)	12.477	146	188094	0.963	ppbv	97
116)	n-Butylbenzene(sim)	12.626	91	353580	1.067	ppbv	97
117)	1,2,4-Trichlorobenzene...	13.616	180	111202	0.783	ppbv	94
119)	Hexachlorobutadiene(sim)	13.950	225	227251m	0.923	ppbv	99

Data Path : H:\AIR2020\CHEM20\06JUN\01\
Data File : 0601_05.D
Acq On : 1 Jun 2020 10:23 am
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Lab ID : 1ppb cc - 1ppb cc
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 01 11:53:43 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Wed May 27 10:44:12 2020
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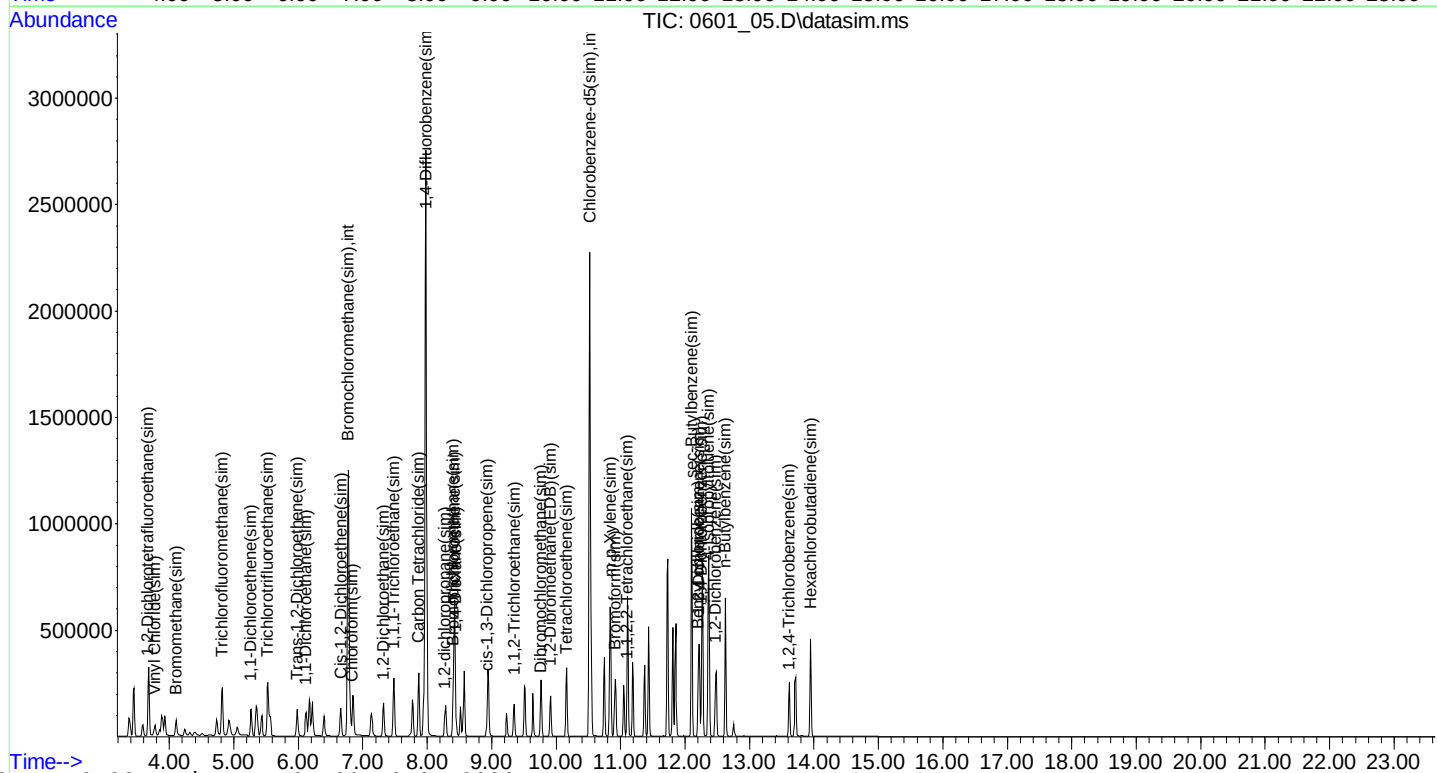
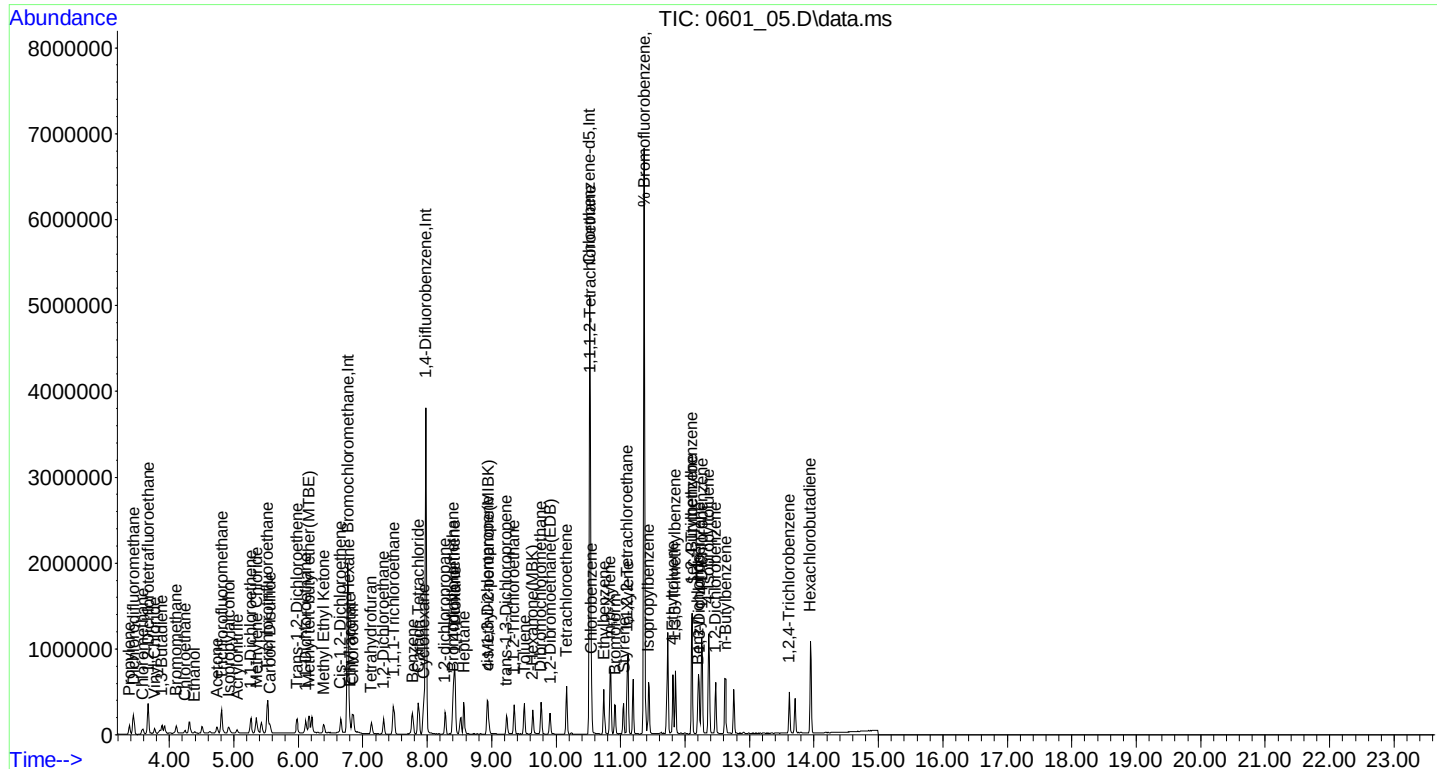
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_05.D
 Acq On : 1 Jun 2020 10:23 am
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 Last Update : Wed May 27 10:44:12 2020
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7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG03886

Instrument: CHEM24 Calibration Date: 06/01/20 Time: 06:38

Lab File Id: 0601_02.D Init. Calib. Date(s): 05/28/20 05/28/20

Heated Purge (Y/N): Y Init. Calib. Times: 10:50 17:40

GC Column: RTX-VMS Method File: 24AIR_0528.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	0.729	0.665		8.8	30
Dichlorodifluoromethane	2.125	2.151		-1.2	30
Chloromethane	1.027	0.895		12.9	30
1,2-Dichlorotetrafluoroethane	1.743	1.846		-5.9	30
Vinyl Chloride	1.023	1.004		1.9	30
1,3-Butadiene	0.697	0.641		8.0	30
Bromomethane	1.112	1.097		1.3	30
Chloroethane	0.404	0.378		6.4	30
Ethanol	0.341	0.338		0.9	30
Acetone	1.888	1.648		12.7	30
Trichlorofluoromethane	2.525	2.671		-5.8	30
Isopropylalcohol	1.875	1.801		3.9	30
Acrylonitrile	0.652	0.598		8.3	30
1,1-Dichloroethene	1.506	1.539		-2.2	30
Methylene Chloride	1.246	1.228		1.4	30
Carbon Disulfide	2.637	3.434		-30.2 #	30
Trichlorotrifluoroethane	1.862	1.980		-6.3	30
Trans-1,2-Dichloroethene	1.628	1.578		3.1	30
1,1-Dichloroethane	1.995	1.876		6.0	30
Methyl tert-butyl ether(MTBE)	2.686	2.627		2.2	30
Methyl Ethyl Ketone	2.226	1.978		11.1	30
Cis-1,2-Dichloroethene	1.578	1.473		6.7	30
Hexane	2.032	2.000		1.6	30
Chloroform	2.426	2.329		4.0	30
Ethyl acetate	2.485	2.360		5.0	30
Tetrahydrofuran	0.656	0.609		7.2	30
1,2-Dichloroethane	1.588	1.514		4.7	30
1,1,1-Trichloroethane	2.274	2.225		2.2	30
Benzene	3.315	3.046		8.1	30
Carbon Tetrachloride	2.322	2.261		2.6	30
Cyclohexane	1.596	1.467		8.1	30
1,2-dichloropropane	0.383	0.371		3.1	30
Bromodichloromethane	0.698	0.695		0.4	30
Trichloroethene	0.424	0.415		2.1	30
1,4-Dioxane	0.196	0.196		0.0	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG03886

Instrument: CHEM24 Calibration Date: 06/01/20 Time: 06:38

Lab File Id: 0601_02.D Init. Calib. Date(s): 05/28/20 05/28/20

Heated Purge (Y/N): Y Init. Calib. Times: 10:50 17:40

GC Column: RTX-VMS Method File: 24AIR_0528.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Heptane	0.537	0.503		6.3	30
cis-1,3-Dichloropropene	0.567	0.541		4.6	30
4-Methyl-2-pentanone(MIBK)	0.722	0.689		4.6	30
trans-1,3-Dichloropropene	0.507	0.487		3.9	30
1,1,2-Trichloroethane	0.400	0.395		1.3	30
Toluene	1.121	1.046		6.7	30
Dibromochloromethane	0.738	0.736		0.3	30
2-Hexanone(MBK)	0.732	0.671		8.3	30
1,2-Dibromoethane(EDB)	0.694	0.670		3.5	30
Tetrachloroethene	0.533	0.523		1.9	30
1,1,1,2-Tetrachloroethane	0.786	0.789		-0.4	30
Chlorobenzene	1.608	1.573		2.2	30
Ethylbenzene	2.599	2.572		1.0	30
m,p-Xylene	1.991	1.610		19.1	30
Bromoform	1.317	1.336		-1.4	30
Styrene	1.503	1.407		6.4	30
1,1,2,2-Tetrachloroethane	1.662	1.619		2.6	30
o-Xylene	2.151	2.040		5.2	30
Isopropylbenzene	2.632	2.519		4.3	30
4-Ethyltoluene	2.781	2.758		0.8	30
1,3,5-Trimethylbenzene	2.404	2.278		5.2	30
1,2,4-Trimethylbenzene	2.300	2.177		5.3	30
Benzyl chloride	1.425	1.331		6.6	30
1,3-Dichlorobenzene	1.393	1.439		-3.3	30
1,4-Dichlorobenzene	1.374	1.382		-0.6	30
sec-Butylbenzene	3.005	2.912		3.1	30
4-Isopropyltoluene	2.232	2.213		0.9	30
1,2-Dichlorobenzene	1.105	1.149		-4.0	30
n-Butylbenzene	2.003	1.996		0.3	30
1,2,4-Trichlorobenzene	0.680	0.661		2.8	30
Hexachlorobutadiene	0.661	0.741		-12.1	30
1,2-Dichlorotetrafluoroethane(sim)	1.960	1.862		5.0	30
Vinyl Chloride(sim)	1.138	1.066		6.3	30
Bromomethane(sim)	1.280	1.106		13.6	30
Trichlorofluoromethane(sim)	2.831	2.770		2.2	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG03886

Instrument: CHEM24 Calibration Date: 06/01/20 Time: 06:38

Lab File Id: 0601_02.D Init. Calib. Date(s): 05/28/20 05/28/20

Heated Purge (Y/N): Y Init. Calib. Times: 10:50 17:40

GC Column: RTX-VMS Method File: 24AIR_0528.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,1,1-Trichloroethane(sim)	2.389	2.245		6.0	30
Carbon Tetrachloride(sim)	2.311	2.333		-1.0	30
1,1-Dichloroethene(sim)	1.618	1.552		4.1	30
Trichlorotrifluoroethane(sim)	2.118	2.064		2.5	30
Trans-1,2-Dichloroethene(sim)	1.713	1.592		7.1	30
1,1-Dichloroethane(sim)	2.155	2.006		6.9	30
Cis-1,2-Dichloroethene(sim)	1.633	1.486		9.0	30
Chloroform(sim)	2.569	2.439		5.1	30
1,2-Dichloroethane(sim)	1.600	1.527		4.6	30
1,2-dichloropropane(sim)	0.365	0.343		6.0	30
Bromodichloromethane(sim)	0.649	0.667		-2.8	30
Trichloroethene(sim)	0.403	0.383		5.0	30
1,4-Dioxane(sim)	0.213	0.202		5.2	30
cis-1,3-Dichloropropene(sim)	0.493	0.500		-1.4	30
1,1,2-Trichloroethane(sim)	0.393	0.380		3.3	30
Dibromochloromethane(sim)	0.628	0.681		-8.4	30
1,2-Dibromoethane(EDB)(sim)	0.648	0.645		0.5	30
Tetrachloroethene(sim)	0.495	0.483		2.4	30
Bromoform(sim)	1.099	1.268		-15.4	30
1,1,1,2-Tetrachloroethane(sim)	0.739	0.781		-5.7	30
m,p-Xylene(sim)	2.004	1.910		4.7	30
1,1,2,2-Tetrachloroethane(sim)	1.644	1.592		3.2	30
Benzyl chloride(sim)	1.158	1.264		-9.2	30
1,3-Dichlorobenzene(sim)	1.475	1.470		0.3	30
1,4-Dichlorobenzene(sim)	1.306	1.311		-0.4	30
sec-Butylbenzene(sim)	3.036	2.955		2.7	30
4-Isopropyltoluene(sim)	2.162	2.101		2.8	30
1,2-Dichlorobenzene(sim)	1.215	1.178		3.0	30
n-Butylbenzene(sim)	1.959	1.895		3.3	30
1,2,4-Trichlorobenzene(sim)	0.783	0.695		11.2	30
Hexachlorobutadiene(sim)	0.762	0.703		7.7	30
% Bromofluorobenzene	1.356	1.333		1.7	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_02.D
 Acq On : 1 Jun 2020 6:38 am
 Operator : Keith
 Client ID : CCAL 1 - BFB TUNE
 Lab ID : 1.0ppb cc - 1.0ppb cc
 ALS Vial : 132 Sample Multiplier: 1

Quant Time: Jun 01 11:15:35 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 Int	Bromochloromethane	1.000	1.000	0.0	95
2	Propylene	0.729	0.665	8.8	
3	Dichlorodifluoromethane	2.125	2.151	-1.2	
4	Chloromethane	1.027	0.895	12.9	
5	1,2-Dichlorotetrafluoroetha	1.743	1.846	-5.9	
6	Vinyl Chloride	1.023	1.004	1.9	
7	1,3-Butadiene	0.697	0.641	8.0	
8	Bromomethane	1.112	1.097	1.3	
9	Chloroethane	0.404	0.378	6.4	
10	Ethanol	0.341	0.338	0.9	
12	Acetone	1.888	1.648	12.7	
13	Trichlorofluoromethane	2.525	2.671	-5.8	
14	Isopropylalcohol	1.875	1.801	3.9	
15	Acrylonitrile	0.652	0.598	8.3	
16	1,1-Dichloroethene	1.506	1.539	-2.2	
17	Methylene Chloride	1.246	1.228	1.4	
20	Carbon Disulfide	2.637	3.434	-30.2#	
21	Trichlorotrifluoroethane	1.862	1.980	-6.3	
22	Trans-1,2-Dichloroethene	1.628	1.578	3.1	
23	1,1-Dichloroethane	1.995	1.876	6.0	
24	Methyl tert-butyl ether(MTB)	2.686	2.627	2.2	
25	Methyl Ethyl Ketone	2.226	1.978	11.1	
26	Cis-1,2-Dichloroethene	1.578	1.473	6.7	
27	Hexane	2.032	2.000	1.6	
28	Chloroform	2.426	2.329	4.0	
29	Ethyl acetate	2.485	2.360	5.0	
30	Tetrahydrofuran	0.656	0.609	7.2	
31	1,2-Dichloroethane	1.588	1.514	4.7	
32	1,1,1-Trichloroethane	2.274	2.225	2.2	
33	Benzene	3.315	3.046	8.1	
34	Carbon Tetrachloride	2.322	2.261	2.6	
35	Cyclohexane	1.596	1.467	8.1	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	91
37	1,2-dichloropropane	0.383	0.371	3.1	
38	Bromodichloromethane	0.698	0.695	0.4	
39	Trichloroethene	0.424	0.415	2.1	
41	1,4-Dioxane	0.196	0.196	0.0	
43	Heptane	0.537	0.503	6.3	
44	cis-1,3-Dichloropropene	0.567	0.541	4.6	
45	4-Methyl-2-pentanone(MIBK)	0.722	0.689	4.6	
46	trans-1,3-Dichloropropene	0.507	0.487	3.9	
47	1,1,2-Trichloroethane	0.400	0.395	1.3	
48	Toluene	1.121	1.046	6.7	
49	Dibromochloromethane	0.738	0.736	0.3	
50	2-Hexanone(MBK)	0.732	0.671	8.3	
51	1,2-Dibromoethane(EDB)	0.694	0.670	3.5	
52	Tetrachloroethene	0.533	0.523	1.9	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	92
54	1,1,1,2-Tetrachloroethane	0.786	0.789	-0.4	
55	Chlorobenzene	1.608	1.573	2.2	
56	Ethylbenzene	2.599	2.572	1.0	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_02.D
 Acq On : 1 Jun 2020 6:38 am
 Operator : Keith
 Client ID : CCAL 1 - BFB TUNE
 Lab ID : 1.0ppb cc - 1.0ppb cc
 ALS Vial : 132 Sample Multiplier: 1

Quant Time: Jun 01 11:15:35 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) 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%
57	m, p-Xylene	1.991	1.610	19.1	
58	Bromoform	1.317	1.336	-1.4	
59	Styrene	1.503	1.407	6.4	
60	1,1,2,2-Tetrachloroethane	1.662	1.619	2.6	
61	o-Xylene	2.151	2.040	5.2	
62	Surr % Bromofluorobenzene	1.356	1.333	1.7	
64	Isopropylbenzene	2.632	2.519	4.3	
66	4-Ethyltoluene	2.781	2.758	0.8	
67	1,3,5-Trimethylbenzene	2.404	2.278	5.2	
68	1,2,4-Trimethylbenzene	2.300	2.177	5.3	
70	Benzyl chloride	1.425	1.331	6.6	
71	1,3-Dichlorobenzene	1.393	1.439	-3.3	
72	1,4-Dichlorobenzene	1.374	1.382	-0.6	
73	sec-Butylbenzene	3.005	2.912	3.1	
74	4-Isopropyltoluene	2.232	2.213	0.9	
75	1,2-Dichlorobenzene	1.105	1.149	-4.0	
76	n-Butylbenzene	2.003	1.996	0.3	
77	1,2,4-Trichlorobenzene	0.680	0.661	2.8	
79	Hexachlorobutadiene	0.661	0.741	-12.1	
80	int Bromochloromethane(sim)	1.000	1.000	0.0	95
81	1,2-Dichlorotetrafluoroetha	1.960	1.862	5.0	
82	Vinyl Chloride(sim)	1.138	1.066	6.3	
83	Bromomethane(sim)	1.280	1.106	13.6	
84	Trichlorofluoromethane(sim)	2.831	2.770	2.2	
85	1,1,1-Trichloroethane(sim)	2.389	2.245	6.0	
86	Carbon Tetrachloride(sim)	2.311	2.333	-1.0	
87	1,1-Dichloroethene(sim)	1.618	1.552	4.1	
88	Trichlorotrifluoroethane(si	2.118	2.064	2.5	
89	Trans-1,2-Dichloroethene(si	1.713	1.592	7.1	
90	1,1-Dichloroethane(sim)	2.155	2.006	6.9	
91	Cis-1,2-Dichloroethene(sim)	1.633	1.486	9.0	
92	Chloroform(sim)	2.569	2.439	5.1	
93	1,2-Dichloroethane(sim)	1.600	1.527	4.6	
94	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	92
95	1,2-dichloropropane(sim)	0.365	0.343	6.0	
96	Bromodichloromethane(sim)	0.649	0.667	-2.8	
97	Trichloroethene(sim)	0.403	0.383	5.0	
98	1,4-Dioxane(sim)	0.213	0.202	5.2	
99	cis-1,3-Dichloropropene(sim	0.493	0.500	-1.4	
100	1,1,2-Trichloroethane(sim)	0.393	0.380	3.3	
101	Dibromochloromethane(sim)	0.628	0.681	-8.4	
102	1,2-Dibromoethane(EDB)(sim)	0.648	0.645	0.5	
103	Tetrachloroethene(sim)	0.495	0.483	2.4	
104	int Chlorobenzene-d5(sim)	1.000	1.000	0.0	92
105	Bromoform(sim)	1.099	1.268	-15.4	
106	1,1,1,2-Tetrachloroethane(s	0.739	0.781	-5.7	
107	m, p-Xylene(sim)	2.004	1.910	4.7	
108	1,1,2,2-Tetrachloroethane(s	1.644	1.592	3.2	
111	Benzyl chloride(sim)	1.158	1.264	-9.2	
112	1,3-Dichlorobenzene(sim)	1.475	1.470	0.3	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_02.D
 Acq On : 1 Jun 2020 6:38 am
 Operator : Keith
 Client ID : CCAL 1 - BFB TUNE
 Lab ID : 1.0ppb cc - 1.0ppb cc
 ALS Vial : 132 Sample Multiplier: 1

Quant Time: Jun 01 11:15:35 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 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%
113	1,4-Dichlorobenzene(sim)	1.306	1.311	-0.4
114	sec-Butylbenzene(sim)	3.036	2.955	2.7
115	4-Isopropyltoluene(sim)	2.162	2.101	2.8
116	1,2-Dichlorobenzene(sim)	1.215	1.178	3.0
117	n-Butylbenzene(sim)	1.959	1.895	3.3
118	1,2,4-Trichlorobenzene(sim)	0.783	0.695	11.2
119	Hexachlorobutadiene(sim)	0.762	0.703	7.7

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_02.D
 Acq On : 1 Jun 2020 6:38 am
 Operator : Keith
 Sample : 1.0ppb cc
 Misc :
 ALS Vial : 132 Sample Multiplier: 1

Quant Time: Jun 01 11:15:35 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.420	130	182656	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.350	114	636436	10.000	ng	0.00
53) Chlorobenzene-d5	10.924	82	338756	10.000	ng	0.00
80) Bromochloromethane(sim)	5.416	130	181079	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.352	114	688430	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	356882	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	12.398	95	451411	9.830	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.30%

Target Compounds						Qvalue
2) Propylene	1.464	41	12142	0.911	ppbv#	85
3) Dichlorodifluoromethane	1.499	85	39288	1.012	ppbv	98
4) Chloromethane	1.643	50	16348	0.871	ppbv	96
5) 1,2-Dichlorotetrafluor...	1.608	135	33724	1.059	ppbv	93
6) Vinyl Chloride	1.711	62	18339	0.981	ppbv	89
7) 1,3-Butadiene	1.732	54	11710	0.919	ppbv#	90
8) Bromomethane	1.965	94	20034	0.986	ppbv#	89
9) Chloroethane	2.074	64	6897	0.934	ppbv#	76
10) Ethanol	2.649	45	6178	0.991	ppbv#	82
11) Vinyl Bromide	2.170	106	18458	0.988	ppbv	95
12) Acetone	3.306	43	30093	0.873	ppbv#	77
13) Trichlorofluoromethane	2.204	101	48795	1.058	ppbv	95
14) Isopropylalcohol	3.258	45	32901	0.961	ppbv#	1
15) Acrylonitrile	4.281	53	10927	0.918	ppbv#	91
16) 1,1-Dichloroethene	2.649	61	28104	1.022	ppbv	96
17) Methylene Chloride	3.244	49	22437	0.986	ppbv	96
18) tert-butyl alcohol	3.819	59	22973	0.947	ppbv#	51
19) Allyl Chloride	3.135	41	20653	0.965	ppbv#	77
20) Carbon Disulfide	2.656	76	62720	1.302	ppbv#	80
21) Trichlorotrifluoroethane	2.718	101	36174	1.063	ppbv	95
22) Trans-1,2-Dichloroethene	3.443	61	28820	0.969	ppbv	94
23) 1,1-Dichloroethane	4.232	63	34260	0.940	ppbv	95
24) Methyl tert-butyl ethe...	3.627	73	47979	0.978	ppbv	100
25) Methyl Ethyl Ketone	6.076	43	36125	0.889	ppbv#	88
26) Cis-1,2-Dichloroethene	5.110	61	26900	0.933	ppbv	96
27) Hexane	3.586	57	36527	0.984	ppbv	88
28) Chloroform	5.615	83	42532	0.960	ppbv	97
29) Ethyl acetate	5.888	43	43114	0.950	ppbv#	83
30) Tetrahydrofuran	5.824	41	11120	0.928	ppbv	100
31) 1,2-Dichloroethane	6.699	62	27657	0.953	ppbv	98
32) 1,1,1-Trichloroethane	5.860	97	40647	0.979	ppbv	96
33) Benzene	6.418	78	55640	0.919	ppbv	98
34) Carbon Tetrachloride	5.766	117	41291	0.974	ppbv	97
35) Cyclohexane	5.427	56	26798	0.919	ppbv#	82
37) 1,2-dichloropropane	7.918	63	23634	0.969	ppbv#	78
38) Bromodichloromethane	8.062	83	44245	0.996	ppbv	99
39) Trichloroethene	7.274	130	26389	0.977	ppbv	98
40) 2,2,4-trimethylpentane	6.309	57	78573	0.952	ppbv#	93
41) 1,4-Dioxane	8.325	88	12485	0.999	ppbv	87
42) Methyl methacrylate	8.347	69	17761	0.904	ppbv#	78
43) Heptane	6.528	43	32007	0.937	ppbv#	88
44) cis-1,3-Dichloropropene	8.860	75	34444	0.955	ppbv	93
45) 4-Methyl-2-pentanone(M...	9.646	43	43852	0.954	ppbv#	92
46) trans-1,3-Dichloropropene	9.675	75	30988	0.961	ppbv#	94

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_02.D
 Acq On : 1 Jun 2020 6:38 am
 Operator : Keith
 Sample : 1.0ppb cc
 Misc :
 ALS Vial : 132 Sample Multiplier: 1

Quant Time: Jun 01 11:15:35 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	9.849	97	25119	0.986	ppbv	95
48) Toluene	9.141	91	66562	0.933	ppbv	97
49) Dibromochloromethane	10.051	129	46860	0.997	ppbv	97
50) 2-Hexanone(MBK)	10.657	43	42676	0.916	ppbv	96
51) 1,2-Dibromoethane(EDB)	10.274	107	42651	0.966	ppbv	99
52) Tetrachloroethene	9.610	166	33259	0.981	ppbv	97
54) 1,1,1,2-Tetrachloroethane	11.041	131	26728	1.003	ppbv	100
55) Chlorobenzene	10.945	112	53273	0.978	ppbv#	44
56) Ethylbenzene	11.020	91	87127	0.990	ppbv	98
57) m,p-Xylene	11.206	91	136319	2.021	ppbv	99
58) Bromoform	11.762	173	45253	1.014	ppbv	98
59) Styrene	11.768	104	47663	0.936	ppbv	93
60) 1,1,2,2-Tetrachloroethane	12.690	83	54838	0.974	ppbv	98
61) o-Xylene	11.700	91	69116	0.949	ppbv	97
63) 2-Chlorotoluene	12.748	91	79917	1.003	ppbv	97
64) Isopropylbenzene	12.099	105	85340	0.957	ppbv	97
65) n-Propylbenzene	12.599	91	111233	0.959	ppbv	97
66) 4-Ethyltoluene	12.742	105	93444	0.992	ppbv	98
67) 1,3,5-Trimethylbenzene	12.859	105	77185	0.948	ppbv	97
68) 1,2,4-Trimethylbenzene	13.313	105	73737	0.946	ppbv	96
69) tert-butylbenzene	13.229	119	67134	0.960	ppbv	98
70) Benzyl chloride	13.968	91	45101	0.934	ppbv	98
71) 1,3-Dichlorobenzene	13.624	146	48735	1.033	ppbv	98
72) 1,4-Dichlorobenzene	13.722	146	46805	1.006	ppbv	97
73) sec-Butylbenzene	13.443	105	98660	0.969	ppbv	99
74) 4-Isopropyltoluene	13.611	119	74973	0.991	ppbv	96
75) 1,2-Dichlorobenzene	14.105	146	38936	1.040	ppbv	98
76) n-Butylbenzene	14.014	91	67616	0.997	ppbv	98
77) 1,2,4-Trichlorobenzene	15.259	180	22407	0.972	ppbv	98
78) Naphthalene	15.498	128	41277	0.859	ppbv#	100
79) Hexachlorobutadiene	15.269	225	25098	1.121	ppbv	100
81) 1,2-Dichlorotetrafluor...	1.608	135	33724	0.950	ppbv	93
82) Vinyl Chloride(sim)	1.714	62	19311	0.937	ppbv	100
83) Bromomethane(sim)	1.965	94	20034	0.864	ppbv#	89
84) Trichlorofluoromethane...	2.200	101	50155	0.978	ppbv	99
85) 1,1,1-Trichloroethane(...)	5.860	97	40647	0.940	ppbv#	96
86) Carbon Tetrachloride(sim)	5.769	117	42241	1.009	ppbv	100
87) 1,1-Dichloroethene(sim)	2.649	61	28104	0.959	ppbv	96
88) Trichlorotrifluoroetha...	2.721	101	37376	0.975	ppbv	99
89) Trans-1,2-Dichloroethe...	3.443	61	28820	0.929	ppbv	94
90) 1,1-Dichloroethane(sim)	4.235	63	36317	0.931	ppbv	99
91) Cis-1,2-Dichloroethene...	5.110	61	26900	0.910	ppbv	96
92) Chloroform(sim)	5.610	83	44170	0.949	ppbv	98
93) 1,2-Dichloroethane(sim)	6.699	62	27657	0.955	ppbv	98
95) 1,2-dichloropropane(sim)	7.918	63	23634	0.941	ppbv#	78
96) Bromodichloromethane(sim)	8.065	83	45901	1.028	ppbv	100
97) Trichloroethene(sim)	7.274	130	26389	0.951	ppbv	97
98) 1,4-Dioxane(sim)	8.328	88	13882	0.949	ppbv#	70
99) cis-1,3-Dichloropropen...	8.860	75	34444	1.015	ppbv	93
100) 1,1,2-Trichloroethane(...)	9.851	97	26194	0.969	ppbv	99
101) Dibromochloromethane(sim)	10.051	129	46860	1.084	ppbv	97
102) 1,2-Dibromoethane(EDB)...	10.277	107	44374	0.995	ppbv	100
103) Tetrachloroethene(sim)	9.610	166	33259	0.975	ppbv	97
105) Bromoform(sim)	11.762	173	45253	1.154	ppbv	99
106) 1,1,1,2-Tetrachloroeth...	11.044	131	27875	1.057	ppbv	100
107) m,p-Xylene(sim)	11.206	91	136319	1.906	ppbv	98
108) 1,1,2,2-Tetrachloroeth...	12.693	83	56831	0.968	ppbv	100

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_02.D
 Acq On : 1 Jun 2020 6:38 am
 Operator : Keith
 Sample : 1.0ppb cc
 Misc :
 ALS Vial : 132 Sample Multiplier: 1

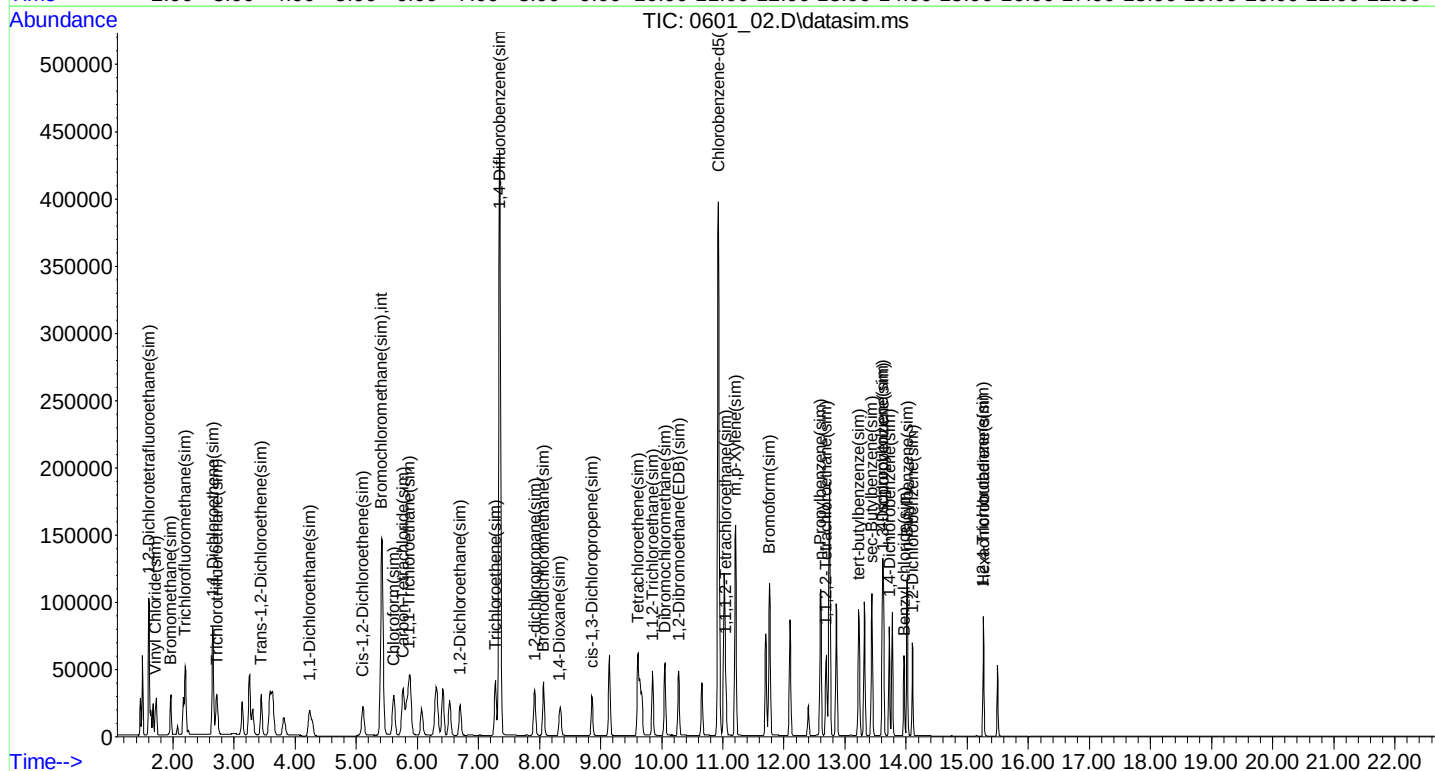
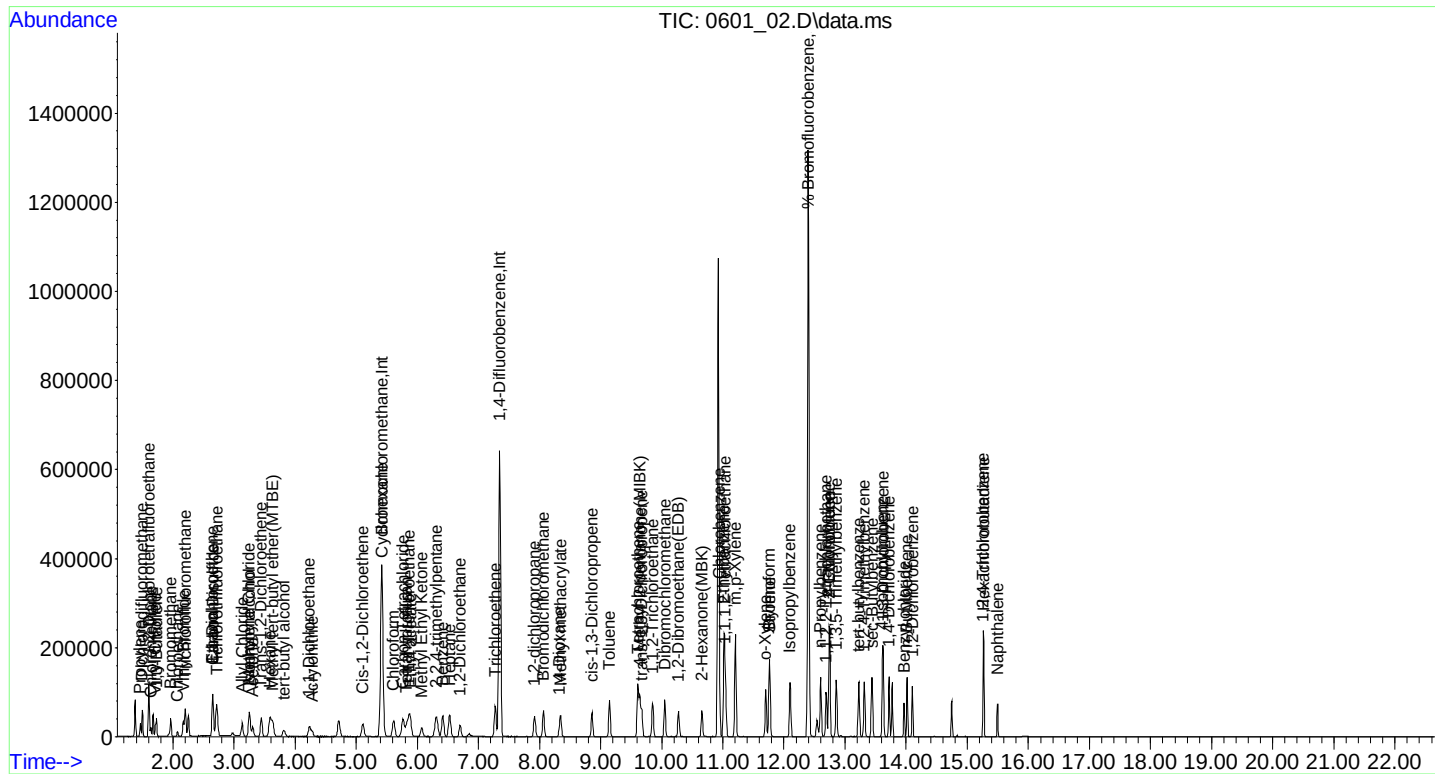
Quant Time: Jun 01 11:15:35 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109]	n-Propylbenzene(sim)	12.599	91	111233	0.954	ppbv	97
110]	tert-butylbenzene(sim)	13.225	119	71692	0.939	ppbv	100
111]	Benzyl chloride(sim)	13.968	91	45101	1.092	ppbv	98
112]	1,3-Dichlorobenzene(sim)	13.627	146	52471	0.997	ppbv	100
113]	1,4-Dichlorobenzene(sim)	13.722	146	46805	1.004	ppbv	97
114]	sec-Butylbenzene(sim)	13.439	105	105473	0.973	ppbv	100
115]	4-Isopropyltoluene(sim)	13.611	119	74973	0.972	ppbv	96
116]	1,2-Dichlorobenzene(sim)	14.101	146	42043	0.969	ppbv	99
117]	n-Butylbenzene(sim)	14.014	91	67616	0.967	ppbv	98
118]	1,2,4-Trichlorobenzene...	15.262	180	24793	0.888	ppbv	99
119]	Hexachlorobutadiene(sim)	15.269	225	25098	0.923	ppbv	99

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_02.D
Acq On : 1 Jun 2020 6:38 am
Operator : Keith
Sample : 1.0ppb cc
Misc :
ALS Vial : 132 Sample Multiplier: 1

Quant Time: Jun 01 11:15:35 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG03886

Instrument: CHEM24 Calibration Date: 06/02/20 Time: 02:30

Lab File Id: 0602_01.D Init. Calib. Date(s): 05/28/20 05/28/20

Heated Purge (Y/N): Y Init. Calib. Times: 10:50 17:40

GC Column: RTX-VMS Method File: 24AIR_0528.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	0.729	0.681		6.6	30
Dichlorodifluoromethane	2.125	2.380		-12.0	30
Chloromethane	1.027	0.978		4.8	30
1,2-Dichlorotetrafluoroethane	1.743	1.960		-12.4	30
Vinyl Chloride	1.023	1.058		-3.4	30
1,3-Butadiene	0.697	0.687		1.4	30
Bromomethane	1.112	1.160		-4.3	30
Chloroethane	0.404	0.412		-2.0	30
Ethanol	0.341	0.350		-2.6	30
Acetone	1.888	1.702		9.9	30
Trichlorofluoromethane	2.525	2.958		-17.1	30
Isopropylalcohol	1.875	1.949		-3.9	30
Acrylonitrile	0.652	0.624		4.3	30
1,1-Dichloroethene	1.506	1.694		-12.5	30
Methylene Chloride	1.246	1.319		-5.9	30
Carbon Disulfide	2.637	2.960		-12.2	30
Trichlorotrifluoroethane	1.862	2.208		-18.6	30
Trans-1,2-Dichloroethene	1.628	1.668		-2.5	30
1,1-Dichloroethane	1.995	2.014		-1.0	30
Methyl tert-butyl ether(MTBE)	2.686	2.755		-2.6	30
Methyl Ethyl Ketone	2.226	2.110		5.2	30
Cis-1,2-Dichloroethene	1.578	1.571		0.4	30
Hexane	2.032	2.075		-2.1	30
Chloroform	2.426	2.470		-1.8	30
Ethyl acetate	2.485	2.542		-2.3	30
Tetrahydrofuran	0.656	0.646		1.5	30
1,2-Dichloroethane	1.588	1.654		-4.2	30
1,1,1-Trichloroethane	2.274	2.360		-3.8	30
Benzene	3.315	3.166		4.5	30
Carbon Tetrachloride	2.322	2.479		-6.8	30
Cyclohexane	1.596	1.530		4.1	30
1,2-dichloropropane	0.383	0.387		-1.0	30
Bromodichloromethane	0.698	0.742		-6.3	30
Trichloroethene	0.424	0.423		0.2	30
1,4-Dioxane	0.196	0.205		-4.6	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG03886

Instrument: CHEM24 Calibration Date: 06/02/20 Time: 02:30

Lab File Id: 0602_01.D Init. Calib. Date(s): 05/28/20 05/28/20

Heated Purge (Y/N): Y Init. Calib. Times: 10:50 17:40

GC Column: RTX-VMS Method File: 24AIR_0528.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Heptane	0.537	0.525		2.2	30
cis-1,3-Dichloropropene	0.567	0.568		-0.2	30
4-Methyl-2-pentanone(MIBK)	0.722	0.744		-3.0	30
trans-1,3-Dichloropropene	0.507	0.511		-0.8	30
1,1,2-Trichloroethane	0.400	0.414		-3.5	30
Toluene	1.121	1.096		2.2	30
Dibromochloromethane	0.738	0.777		-5.3	30
2-Hexanone(MBK)	0.732	0.715		2.3	30
1,2-Dibromoethane(EDB)	0.694	0.703		-1.3	30
Tetrachloroethene	0.533	0.538		-0.9	30
1,1,1,2-Tetrachloroethane	0.786	0.826		-5.1	30
Chlorobenzene	1.608	1.591		1.1	30
Ethylbenzene	2.599	2.639		-1.5	30
m,p-Xylene	1.991	1.646		17.3	30
Bromoform	1.317	1.359		-3.2	30
Styrene	1.503	1.437		4.4	30
1,1,2,2-Tetrachloroethane	1.662	1.715		-3.2	30
o-Xylene	2.151	2.031		5.6	30
Isopropylbenzene	2.632	2.550		3.1	30
4-Ethyltoluene	2.781	2.822		-1.5	30
1,3,5-Trimethylbenzene	2.404	2.330		3.1	30
1,2,4-Trimethylbenzene	2.300	2.249		2.2	30
Benzyl chloride	1.425	1.355		4.9	30
1,3-Dichlorobenzene	1.393	1.514		-8.7	30
1,4-Dichlorobenzene	1.374	1.422		-3.5	30
sec-Butylbenzene	3.005	3.029		-0.8	30
4-Isopropyltoluene	2.232	2.290		-2.6	30
1,2-Dichlorobenzene	1.105	1.229		-11.2	30
n-Butylbenzene	2.003	2.127		-6.2	30
1,2,4-Trichlorobenzene	0.680	0.707		-4.0	30
Hexachlorobutadiene	0.661	0.811		-22.7	30
1,2-Dichlorotetrafluoroethane(sim)	1.960	1.962		-0.1	30
Vinyl Chloride(sim)	1.138	1.122		1.4	30
Bromomethane(sim)	1.280	1.161		9.3	30
Trichlorofluoromethane(sim)	2.831	3.057		-8.0	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: KLEINFL-AIR

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG03886

Instrument: CHEM24 Calibration Date: 06/02/20 Time: 02:30

Lab File Id: 0602_01.D Init. Calib. Date(s): 05/28/20 05/28/20

Heated Purge (Y/N): Y Init. Calib. Times: 10:50 17:40

GC Column: RTX-VMS Method File: 24AIR_0528.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,1,1-Trichloroethane(sim)	2.389	2.362		1.1	30
Carbon Tetrachloride(sim)	2.311	2.514		-8.8	30
1,1-Dichloroethene(sim)	1.618	1.695		-4.8	30
Trichlorotrifluoroethane(sim)	2.118	2.259		-6.7	30
Trans-1,2-Dichloroethene(sim)	1.713	1.670		2.5	30
1,1-Dichloroethane(sim)	2.155	2.118		1.7	30
Cis-1,2-Dichloroethene(sim)	1.633	1.573		3.7	30
Chloroform(sim)	2.569	2.585		-0.6	30
1,2-Dichloroethane(sim)	1.600	1.656		-3.5	30
1,2-dichloropropane(sim)	0.365	0.357		2.2	30
Bromodichloromethane(sim)	0.649	0.711		-9.6	30
Trichloroethene(sim)	0.403	0.390		3.2	30
1,4-Dioxane(sim)	0.213	0.211		0.9	30
cis-1,3-Dichloropropene(sim)	0.493	0.524		-6.3	30
1,1,2-Trichloroethane(sim)	0.393	0.402		-2.3	30
Dibromochloromethane(sim)	0.628	0.717		-14.2	30
1,2-Dibromoethane(EDB)(sim)	0.648	0.678		-4.6	30
Tetrachloroethene(sim)	0.495	0.496		-0.2	30
Bromoform(sim)	1.099	1.279		-16.4	30
1,1,1,2-Tetrachloroethane(sim)	0.739	0.806		-9.1	30
m,p-Xylene(sim)	2.004	1.941		3.1	30
1,1,2,2-Tetrachloroethane(sim)	1.644	1.670		-1.6	30
Benzyl chloride(sim)	1.158	1.278		-10.4	30
1,3-Dichlorobenzene(sim)	1.475	1.546		-4.8	30
1,4-Dichlorobenzene(sim)	1.306	1.341		-2.7	30
sec-Butylbenzene(sim)	3.036	3.074		-1.3	30
4-Isopropyltoluene(sim)	2.162	2.160		0.1	30
1,2-Dichlorobenzene(sim)	1.215	1.273		-4.8	30
n-Butylbenzene(sim)	1.959	2.006		-2.4	30
1,2,4-Trichlorobenzene(sim)	0.783	0.740		5.5	30
Hexachlorobutadiene(sim)	0.762	0.765		-0.4	30
% Bromofluorobenzene	1.356	1.343		1.0	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:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_01.D
 Acq On : 2 Jun 2020 2:30 am
 Operator : Keith
 Client ID : CCAL 1 - BFB TUNE
 Lab ID : 1.0PPB CC - 1.0PPB CC
 ALS Vial : 159 Sample Multiplier: 1

Quant Time: Jun 02 07:58:51 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Note: Curves (l,lf,g,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	84
2	Propylene	0.729	0.681	6.6	
3	Dichlorodifluoromethane	2.125	2.380	-12.0	
4	Chloromethane	1.027	0.978	4.8	
5	1,2-Dichlorotetrafluoroetha	1.743	1.960	-12.4	
6	Vinyl Chloride	1.023	1.058	-3.4	
7	1,3-Butadiene	0.697	0.687	1.4	
8	Bromomethane	1.112	1.160	-4.3	
9	Chloroethane	0.404	0.412	-2.0	
10	Ethanol	0.341	0.350	-2.6	
12	Acetone	1.888	1.702	9.9	
13	Trichlorofluoromethane	2.525	2.958	-17.1	
14	Isopropylalcohol	1.875	1.949	-3.9	
15	Acrylonitrile	0.652	0.624	4.3	
16	1,1-Dichloroethene	1.506	1.694	-12.5	
17	Methylene Chloride	1.246	1.319	-5.9	
20	Carbon Disulfide	2.637	2.960	-12.2	
21	Trichlorotrifluoroethane	1.862	2.208	-18.6	
22	Trans-1,2-Dichloroethene	1.628	1.668	-2.5	
23	1,1-Dichloroethane	1.995	2.014	-1.0	
24	Methyl tert-butyl ether(MTB)	2.686	2.755	-2.6	
25	Methyl Ethyl Ketone	2.226	2.110	5.2	
26	Cis-1,2-Dichloroethene	1.578	1.571	0.4	
27	Hexane	2.032	2.075	-2.1	
28	Chloroform	2.426	2.470	-1.8	
29	Ethyl acetate	2.485	2.542	-2.3	
30	Tetrahydrofuran	0.656	0.646	1.5	
31	1,2-Dichloroethane	1.588	1.654	-4.2	
32	1,1,1-Trichloroethane	2.274	2.360	-3.8	
33	Benzene	3.315	3.166	4.5	
34	Carbon Tetrachloride	2.322	2.479	-6.8	
35	Cyclohexane	1.596	1.530	4.1	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	81
37	1,2-dichloropropane	0.383	0.387	-1.0	
38	Bromodichloromethane	0.698	0.742	-6.3	
39	Trichloroethene	0.424	0.423	0.2	
41	1,4-Dioxane	0.196	0.205	-4.6	
43	Heptane	0.537	0.525	2.2	
44	cis-1,3-Dichloropropene	0.567	0.568	-0.2	
45	4-Methyl-2-pentanone(MIBK)	0.722	0.744	-3.0	
46	trans-1,3-Dichloropropene	0.507	0.511	-0.8	
47	1,1,2-Trichloroethane	0.400	0.414	-3.5	
48	Toluene	1.121	1.096	2.2	
49	Dibromochloromethane	0.738	0.777	-5.3	
50	2-Hexanone(MBK)	0.732	0.715	2.3	
51	1,2-Dibromoethane(EDB)	0.694	0.703	-1.3	
52	Tetrachloroethene	0.533	0.538	-0.9	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	83
54	1,1,1,2-Tetrachloroethane	0.786	0.826	-5.1	
55	Chlorobenzene	1.608	1.591	1.1	
56	Ethylbenzene	2.599	2.639	-1.5	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_01.D
 Acq On : 2 Jun 2020 2:30 am
 Operator : Keith
 Client ID : CCAL 1 - BFB TUNE
 Lab ID : 1.0PPB CC - 1.0PPB CC
 ALS Vial : 159 Sample Multiplier: 1

Quant Time: Jun 02 07:58:51 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Note: Curves (l, lf, g, gf) 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%	
57	m, p-Xylene	1.991	1.646	17.3	
58	Bromoform	1.317	1.359	-3.2	
59	Styrene	1.503	1.437	4.4	
60	1,1,2,2-Tetrachloroethane	1.662	1.715	-3.2	
61	o-Xylene	2.151	2.031	5.6	
62	Surr % Bromofluorobenzene	1.356	1.343	1.0	
64	Isopropylbenzene	2.632	2.550	3.1	
66	4-Ethyltoluene	2.781	2.822	-1.5	
67	1,3,5-Trimethylbenzene	2.404	2.330	3.1	
68	1,2,4-Trimethylbenzene	2.300	2.249	2.2	
70	Benzyl chloride	1.425	1.355	4.9	
71	1,3-Dichlorobenzene	1.393	1.514	-8.7	
72	1,4-Dichlorobenzene	1.374	1.422	-3.5	
73	sec-Butylbenzene	3.005	3.029	-0.8	
74	4-Isopropyltoluene	2.232	2.290	-2.6	
75	1,2-Dichlorobenzene	1.105	1.229	-11.2	
76	n-Butylbenzene	2.003	2.127	-6.2	
77	1,2,4-Trichlorobenzene	0.680	0.707	-4.0	
79	Hexachlorobutadiene	0.661	0.811	-22.7	
80	int Bromochloromethane(sim)	1.000	1.000	0.0	85
81	1,2-Dichlorotetrafluoroetha	1.960	1.962	-0.1	
82	Vinyl Chloride(sim)	1.138	1.122	1.4	
83	Bromomethane(sim)	1.280	1.161	9.3	
84	Trichlorofluoromethane(sim)	2.831	3.057	-8.0	
85	1,1,1-Trichloroethane(sim)	2.389	2.362	1.1	
86	Carbon Tetrachloride(sim)	2.311	2.514	-8.8	
87	1,1-Dichloroethene(sim)	1.618	1.695	-4.8	
88	Trichlorotrifluoroethane(si	2.118	2.259	-6.7	
89	Trans-1,2-Dichloroethene(si	1.713	1.670	2.5	
90	1,1-Dichloroethane(sim)	2.155	2.118	1.7	
91	Cis-1,2-Dichloroethene(sim)	1.633	1.573	3.7	
92	Chloroform(sim)	2.569	2.585	-0.6	
93	1,2-Dichloroethane(sim)	1.600	1.656	-3.5	
94	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	82
95	1,2-dichloropropane(sim)	0.365	0.357	2.2	
96	Bromodichloromethane(sim)	0.649	0.711	-9.6	
97	Trichloroethene(sim)	0.403	0.390	3.2	
98	1,4-Dioxane(sim)	0.213	0.211	0.9	
99	cis-1,3-Dichloropropene(sim	0.493	0.524	-6.3	
100	1,1,2-Trichloroethane(sim)	0.393	0.402	-2.3	
101	Dibromochloromethane(sim)	0.628	0.717	-14.2	
102	1,2-Dibromoethane(EDB)(sim)	0.648	0.678	-4.6	
103	Tetrachloroethene(sim)	0.495	0.496	-0.2	
104	int Chlorobenzene-d5(sim)	1.000	1.000	0.0	83
105	Bromoform(sim)	1.099	1.279	-16.4	
106	1,1,1,2-Tetrachloroethane(s	0.739	0.806	-9.1	
107	m, p-Xylene(sim)	2.004	1.941	3.1	
108	1,1,2,2-Tetrachloroethane(s	1.644	1.670	-1.6	
111	Benzyl chloride(sim)	1.158	1.278	-10.4	
112	1,3-Dichlorobenzene(sim)	1.475	1.546	-4.8	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_01.D
 Acq On : 2 Jun 2020 2:30 am
 Operator : Keith
 Client ID : CCAL 1 - BFB TUNE
 Lab ID : 1.0PPB CC - 1.0PPB CC
 ALS Vial : 159 Sample Multiplier: 1

Quant Time: Jun 02 07:58:51 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 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%
113	1,4-Dichlorobenzene(sim)	1.306	1.341	-2.7
114	sec-Butylbenzene(sim)	3.036	3.074	-1.3
115	4-Isopropyltoluene(sim)	2.162	2.160	0.1
116	1,2-Dichlorobenzene(sim)	1.215	1.273	-4.8
117	n-Butylbenzene(sim)	1.959	2.006	-2.4
118	1,2,4-Trichlorobenzene(sim)	0.783	0.740	5.5
119	Hexachlorobutadiene(sim)	0.762	0.765	-0.4

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_01.D
 Acq On : 2 Jun 2020 2:30 am
 Operator : Keith
 Client ID : CCAL 1 - BFB TUNE
 Lab ID : 1.0PPB CC - 1.0PPB CC
 ALS Vial : 159 Sample Multiplier: 1

Quant Time: Jun 02 07:58:51 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.434	130	161262	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.356	114	563248	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	305742	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	161090	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	610532	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	324179	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	12.404	95	410471	9.904	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.00%

Target Compounds						Qvalue
2) Propylene	1.478	41	10987	0.934	ppbv#	78
3) Dichlorodifluoromethane	1.506	85	38374	1.120	ppbv	98
4) Chloromethane	1.649	50	15766	0.952	ppbv	99
5) 1,2-Dichlorotetrafluor...	1.615	135	31605	1.124	ppbv	91
6) Vinyl Chloride	1.718	62	17066	1.034	ppbv	89
7) 1,3-Butadiene	1.738	54	11076	0.985	ppbv#	87
8) Bromomethane	1.971	94	18700	1.043	ppbv#	88
9) Chloroethane	2.081	64	6646	1.020	ppbv#	78
10) Ethanol	2.663	45	5645	1.025	ppbv#	85
12) Acetone	3.320	43	27452	0.902	ppbv#	78
13) Trichlorofluoromethane	2.211	101	47696	1.171	ppbv	95
14) Isopropylalcohol	3.272	45	31423	1.039	ppbv#	1
15) Acrylonitrile	4.296	53	10056	0.957	ppbv#	92
16) 1,1-Dichloroethene	2.663	61	27312	1.125	ppbv	97
17) Methylene Chloride	3.258	49	21267	1.059	ppbv	96
20) Carbon Disulfide	2.663	76	47730	1.122	ppbv#	82
21) Trichlorotrifluoroethane	2.725	101	35612	1.186	ppbv	94
22) Trans-1,2-Dichloroethene	3.456	61	26894	1.024	ppbv	93
23) 1,1-Dichloroethane	4.247	63	32482	1.010	ppbv	93
24) Methyl tert-butyl ethe...	3.641	73	44426	1.026	ppbv	100
25) Methyl Ethyl Ketone	6.083	43	34023	0.948	ppbv#	89
26) Cis-1,2-Dichloroethene	5.124	61	25338	0.996	ppbv	94
27) Hexane	3.600	57	33462	1.021	ppbv	90
28) Chloroform	5.629	83	39825	1.018	ppbv	96
29) Ethyl acetate	5.903	43	40987	1.023	ppbv#	83
30) Tetrahydrofuran	5.831	41	10410	0.984	ppbv	100
31) 1,2-Dichloroethane	6.713	62	26671	1.041	ppbv	97
32) 1,1,1-Trichloroethane	5.874	97	38055	1.038	ppbv	96
33) Benzene	6.425	78	51062	0.955	ppbv	99
34) Carbon Tetrachloride	5.780	117	39982	1.068	ppbv	98
35) Cyclohexane	5.442	56	24681	0.959	ppbv#	84
37) 1,2-dichloropropane	7.932	63	21820	1.010	ppbv#	79
38) Bromodichloromethane	8.075	83	41816	1.063	ppbv	98
39) Trichloroethene	7.288	130	23828	0.997	ppbv	99
41) 1,4-Dioxane	8.333	88	11528	1.042	ppbv#	84
43) Heptane	6.542	43	29561	0.978	ppbv	90
44) cis-1,3-Dichloropropene	8.867	75	31984	1.002	ppbv	93
45) 4-Methyl-2-pentanone(M...	9.654	43	41915	1.030	ppbv#	95
46) trans-1,3-Dichloropropene	9.683	75	28772	1.008	ppbv#	96
47) 1,1,2-Trichloroethane	9.856	97	23327	1.035	ppbv	96
48) Toluene	9.148	91	61712	0.978	ppbv	98
49) Dibromochloromethane	10.058	129	43757	1.052	ppbv	98
50) 2-Hexanone(MBK)	10.664	43	40259	0.976	ppbv	98
51) 1,2-Dibromoethane(EDB)	10.282	107	39624	1.014	ppbv	98

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_01.D
 Acq On : 2 Jun 2020 2:30 am
 Operator : Keith
 Client ID : CCAL 1 - BFB TUNE
 Lab ID : 1.0PPB CC - 1.0PPB CC
 ALS Vial : 159 Sample Multiplier: 1

Quant Time: Jun 02 07:58:51 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	9.618	166	30277	1.009	ppbv	97
54)	1,1,1,2-Tetrachloroethane	11.048	131	25240	1.050	ppbv	99
55)	Chlorobenzene	10.952	112	48644	0.989	ppbv#	45
56)	Ethylbenzene	11.027	91	80693	1.016	ppbv	99
57)	m,p-Xylene	11.213	91	125836	2.067	ppbv	100
58)	Bromoform	11.762	173	41559	1.032	ppbv	99
59)	Styrene	11.775	104	43938	0.956	ppbv	94
60)	1,1,2,2-Tetrachloroethane	12.696	83	52432	1.032	ppbv	100
61)	o-Xylene	11.707	91	62094	0.944	ppbv	97
64)	Isopropylbenzene	12.106	105	77953	0.969	ppbv	99
66)	4-Ethyltoluene	12.748	105	86284	1.015	ppbv	98
67)	1,3,5-Trimethylbenzene	12.865	105	71250	0.969	ppbv	98
68)	1,2,4-Trimethylbenzene	13.319	105	68759	0.978	ppbv	98
70)	Benzyl chloride	13.968	91	41427	0.951	ppbv	98
71)	1,3-Dichlorobenzene	13.631	146	46286	1.087	ppbv	99
72)	1,4-Dichlorobenzene	13.728	146	43477	1.035	ppbv	97
73)	sec-Butylbenzene	13.443	105	92617	1.008	ppbv	100
74)	4-Isopropyltoluene	13.618	119	70017	1.026	ppbv	97
75)	1,2-Dichlorobenzene	14.105	146	37571	1.112	ppbv	99
76)	n-Butylbenzene	14.020	91	65042	1.062	ppbv	98
77)	1,2,4-Trichlorobenzene	15.264	180	21624	1.040	ppbv	99
79)	Hexachlorobutadiene	15.269	225	24787	1.226	ppbv	100
81)	1,2-Dichlorotetrafluor...	1.615	135	31605	1.001	ppbv	91
82)	Vinyl Chloride(sim)	1.721	62	18072	0.986	ppbv	99
83)	Bromomethane(sim)	1.971	94	18700	0.907	ppbv#	88
84)	Trichlorofluoromethane...	2.214	101	49239	1.080	ppbv	99
85)	1,1,1-Trichloroethane...	5.874	97	38055	0.989	ppbv#	96
86)	Carbon Tetrachloride(sim)	5.783	117	40499	1.088	ppbv	100
87)	1,1-Dichloroethene(sim)	2.663	61	27312	1.048	ppbv	97
88)	Trichlorotrifluoroetha...	2.727	101	36398	1.067	ppbv	100
89)	Trans-1,2-Dichloroethe...	3.456	61	26894	0.975	ppbv	93
90)	1,1-Dichloroethane(sim)	4.250	63	34114	0.983	ppbv	99
91)	Cis-1,2-Dichloroethene...	5.124	61	25338	0.963	ppbv	95
92)	Chloroform(sim)	5.625	83	41641	1.006	ppbv	99
93)	1,2-Dichloroethane(sim)	6.713	62	26671	1.035	ppbv	97
95)	1,2-dichloropropane(sim)	7.932	63	21820	0.980	ppbv#	79
96)	Bromodichloromethane(sim)	8.072	83	43439	1.097	ppbv	100
97)	Trichloroethene(sim)	7.288	130	23828	0.968	ppbv	97
98)	1,4-Dioxane(sim)	8.335	88	12891	0.993	ppbv#	72
99)	cis-1,3-Dichloropropen...	8.867	75	31984	1.062	ppbv	93
100)	1,1,2-Trichloroethane(...)	9.859	97	24517	1.023	ppbv	99
101)	Dibromochloromethane(sim)	10.058	129	43757	1.141	ppbv	98
102)	1,2-Dibromoethane(EDB)...	10.285	107	41392	1.047	ppbv	100
103)	Tetrachloroethene(sim)	9.618	166	30277	1.001	ppbv	97
105)	Bromoform(sim)	11.762	173	41469	1.164	ppbv	97
106)	1,1,1,2-Tetrachloroeth...	11.051	131	26126	1.091	ppbv	100
107)	m,p-Xylene(sim)	11.213	91	125842	1.938	ppbv	99
108)	1,1,2,2-Tetrachloroeth...	12.699	83	54134	1.016	ppbv	100
111)	Benzyl chloride(sim)	13.968	91	41427	1.104	ppbv	98
112)	1,3-Dichlorobenzene(sim)	13.634	146	50134	1.048	ppbv	100
113)	1,4-Dichlorobenzene(sim)	13.728	146	43477	1.027	ppbv	97
114)	sec-Butylbenzene(sim)	13.446	105	99648	1.012	ppbv	100
115)	4-Isopropyltoluene(sim)	13.618	119	70017	0.999	ppbv	97
116)	1,2-Dichlorobenzene(sim)	14.107	146	41268	1.048	ppbv	99
117)	n-Butylbenzene(sim)	14.020	91	65042	1.024	ppbv	98
118)	1,2,4-Trichlorobenzene...	15.267	180	23985	0.945	ppbv	100
119)	Hexachlorobutadiene(sim)	15.269	225	24787	1.004	ppbv	100

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0602_01.D
Acq On : 2 Jun 2020 2:30 am
Operator : Keith
Client ID : CCAL 1 - BFB TUNE
Lab ID : 1.0PPB CC - 1.0PPB CC
ALS Vial : 159 Sample Multiplier: 1

Quant Time: Jun 02 07:58:51 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration

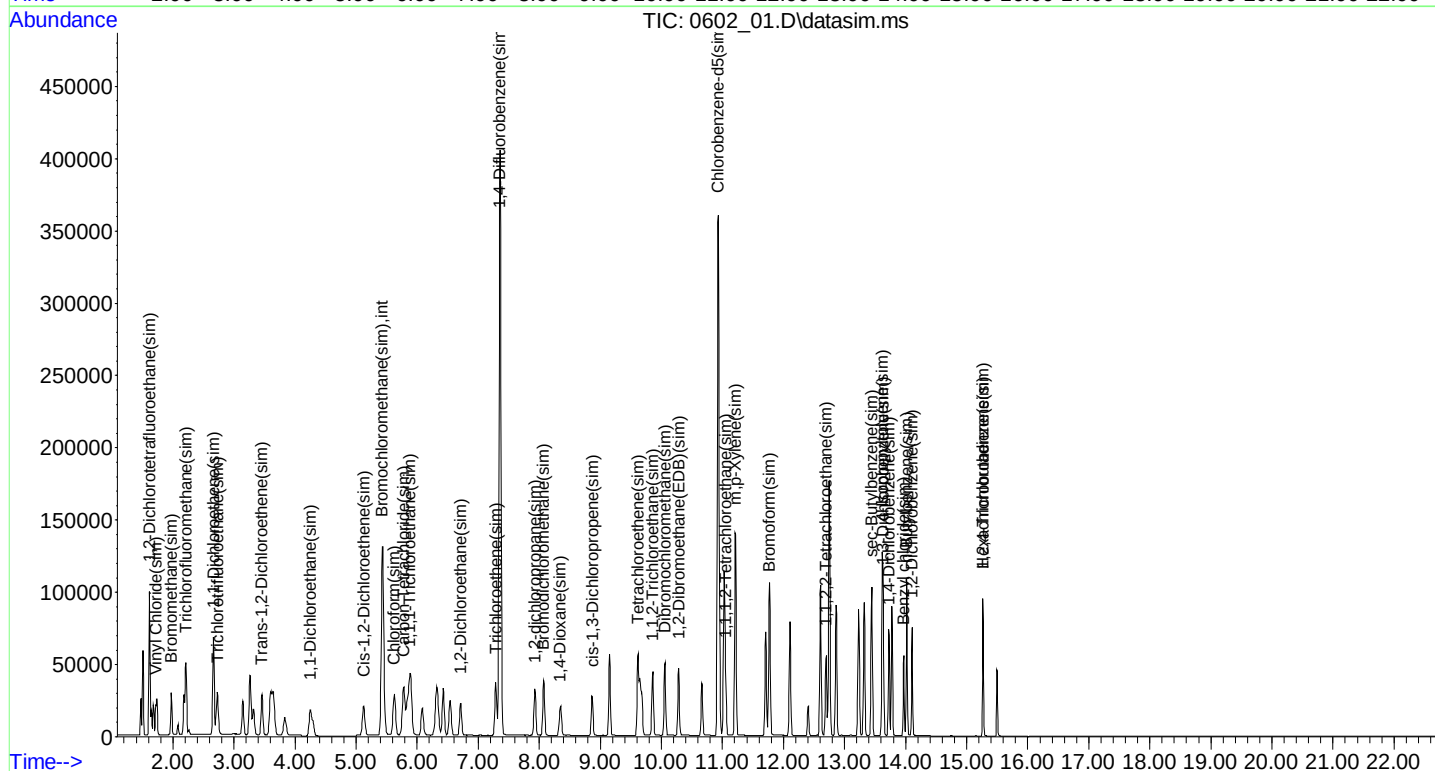
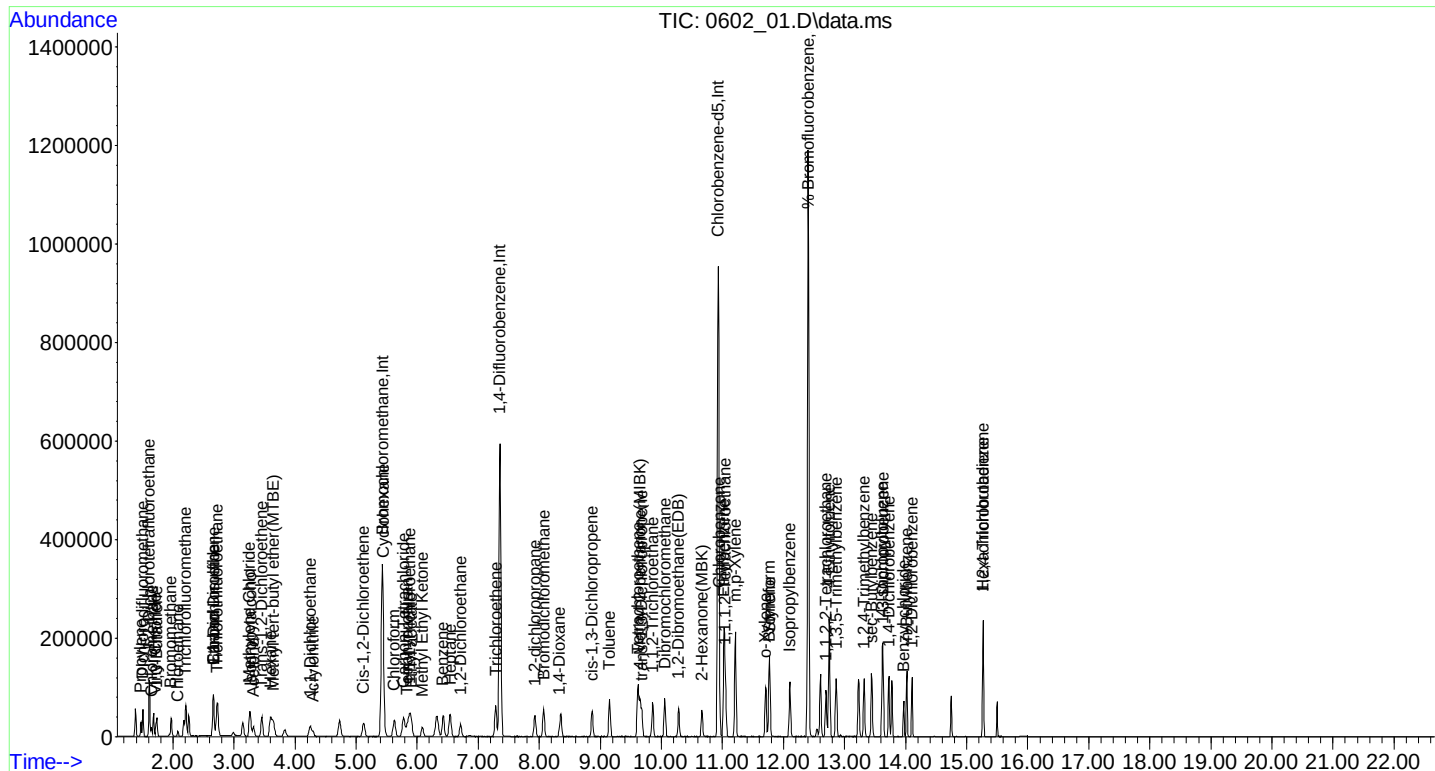
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_01.D
 Acq On : 2 Jun 2020 2:30 am
 Operator : Keith
 Client ID : CCAL 1 - BFB TUNE
 Lab ID : 1.0PPB CC - 1.0PPB CC
 ALS Vial : 159 Sample Multiplier: 1

Quant Time: Jun 02 07:58:51 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03910 LCS</u>
Canister:	<u>LCS</u>	Lab File ID:	<u>0601_04.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>
		Date Received:	<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	9.85		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	8.71		0.202	0.202	r
74-87-3	Chloromethane	12.0		0.485	0.485	r
76-14-2	1,2-Dichlorotetrafluoroethane	8.62		0.143	0.143	r
75-01-4	Vinyl Chloride	10.6		0.078	0.078	r
106-99-0	1,3-Butadiene	10.2		0.452	0.452	r
74-83-9	Bromomethane	10.6		0.258	0.258	r
75-00-3	Chloroethane	10.1		0.379	0.379	r
64-17-5	Ethanol	7.85		0.531	0.531	r
67-64-1	Acetone	8.93		0.421	0.421	r
75-69-4	Trichlorofluoromethane	11.1		0.178	0.178	r
67-63-0	Isopropylalcohol	9.72		0.407	0.407	r
107-13-1	Acrylonitrile	9.53		0.461	0.461	r
75-35-4	1,1-Dichloroethene	10.7		0.051	0.051	r
75-09-2	Methylene Chloride	10.2		0.864	0.864	r
75-15-0	Carbon Disulfide	11.0		0.321	0.321	r
76-13-1	Trichlorotrifluoroethane	11.2		0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene	10.5		0.252	0.252	r
75-34-3	1,1-Dichloroethane	10.3		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	10.3		0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	10.2		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	10.6		0.051	0.051	r
110-54-3	Hexane	10.4		0.284	0.284	r
67-66-3	Chloroform	10.8		0.205	0.205	r
141-78-6	Ethyl acetate	11.0		0.278	0.278	r
109-99-9	Tetrahydrofuran	10.0		0.339	0.339	r
107-06-2	1,2-Dichloroethane	10.7		0.247	0.247	r
71-55-6	1,1,1-Trichloroethane	10.9		0.183	0.183	r
71-43-2	Benzene	10.1		0.313	0.313	r
56-23-5	Carbon Tetrachloride	11.3		0.032	0.032	r
110-82-7	Cyclohexane	10.1		0.291	0.291	r
78-87-5	1,2-dichloropropane	10.7		0.217	0.217	r
75-27-4	Bromodichloromethane	11.3		0.149	0.149	r
79-01-6	Trichloroethene	10.9		0.037	0.037	r
123-91-1	1,4-Dioxane	11.4		0.278	0.278	r
142-82-5	Heptane	9.94		0.244	0.244	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03910 LCS</u>
Canister:	<u>LCS</u>	Lab File ID:	<u>0601_04.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>06/01/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
10061-01-5	cis-1,3-Dichloropropene	10.7		0.220	0.220	r
108-10-1	4-Methyl-2-pentanone(MIBK)	10.7		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	11.1		0.220	0.220	r
79-00-5	1,1,2-Trichloroethane	10.8		0.183	0.183	r
108-88-3	Toluene	10.6		0.266	0.266	r
124-48-1	Dibromochloromethane	11.9		0.117	0.117	r
591-78-6	2-Hexanone(MBK)	10.6		0.244	0.244	r
106-93-4	1,2-Dibromoethane(EDB)	11.0		0.130	0.130	r
127-18-4	Tetrachloroethene	11.1		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	11.2		0.146	0.146	r
108-90-7	Chlorobenzene	10.7		0.217	0.217	r
100-41-4	Ethylbenzene	10.8		0.230	0.230	r
179601-23-1	m,p-Xylene	22.0		0.230	0.230	r
75-25-2	Bromoform	12.4		0.097	0.097	r
100-42-5	Styrene	10.7		0.235	0.235	r
79-34-5	1,1,2,2-Tetrachloroethane	10.8		0.146	0.146	r
95-47-6	o-Xylene	10.8		0.230	0.230	r
98-82-8	Isopropylbenzene	10.4		0.204	0.204	r
622-96-8	4-Ethyltoluene	10.7		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	10.5		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	10.5		0.204	0.204	r
100-44-7	Benzyl chloride	11.9		0.193	0.193	r
541-73-1	1,3-Dichlorobenzene	11.1		0.166	0.166	r
106-46-7	1,4-Dichlorobenzene	10.9		0.166	0.166	r
135-98-8	sec-Butylbenzene	10.3		0.182	0.182	r
99-87-6	4-Isopropyltoluene	10.2		0.182	0.182	r
95-50-1	1,2-Dichlorobenzene	11.3		0.166	0.166	r
104-51-8	n-Butylbenzene	10.4		0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene	8.87		0.135	0.135	r
87-68-3	Hexachlorobutadiene	9.50		0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_04.D
 Acq On : 1 Jun 2020 7:49 am
 Operator : Keith
 Client ID : CG03910 LCS
 Lab ID : CG03910 LCS
 ALS Vial : 134 Sample Multiplier: 1

Quant Time: Jun 01 11:15:43 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.420	130	163588	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.350	114	585282	10.000	ng	0.00
53) Chlorobenzene-d5	10.924	82	315258	10.000	ng	0.00
80) Bromochloromethane(sim)	5.423	130	162633	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.353	114	630301	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	332759	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	12.398	95	423905	9.919	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	1.471	41	117461	9.845	ppbv#	81
3) Dichlorodifluoromethane	1.499	85	302824	8.712	ppbv	99
4) Chloromethane	1.643	50	200744	11.949	ppbv	90
5) 1,2-Dichlorotetrafluor...	1.608	135	245714	8.616	ppbv	94
6) Vinyl Chloride	1.711	62	177362	10.595	ppbv	90
7) 1,3-Butadiene	1.732	54	115841	10.154	ppbv#	85
8) Bromomethane	1.965	94	192232	10.565	ppbv#	89
9) Chloroethane	2.074	64	66857	10.115	ppbv#	79
10) Ethanol	2.643	45	43810	7.845	ppbv#	74
12) Acetone	3.299	43	275714	8.926	ppbv#	76
13) Trichlorofluoromethane	2.204	101	458193	11.092	ppbv	95
14) Isopropylalcohol	3.251	45	298096	9.720	ppbv#	1
15) Acrylonitrile	4.281	53	101636	9.531	ppbv#	92
16) 1,1-Dichloroethene	2.649	61	262644	10.662	ppbv	96
17) Methylene Chloride	3.251	49	208246	10.220	ppbv	96
20) Carbon Disulfide	2.656	76	476047	11.033	ppbv#	80
21) Trichlorotrifluoroethane	2.718	101	341299	11.204	ppbv	94
22) Trans-1,2-Dichloroethene	3.450	61	278508	10.457	ppbv	94
23) 1,1-Dichloroethane	4.237	63	337189	10.331	ppbv	94
24) Methyl tert-butyl ethe...	3.621	73	453115	10.313	ppbv	100
25) Methyl Ethyl Ketone	6.069	43	371763	10.211	ppbv#	88
26) Cis-1,2-Dichloroethene	5.117	61	273213	10.582	ppbv	95
27) Hexane	3.593	57	344639	10.370	ppbv#	87
28) Chloroform	5.622	83	428188	10.788	ppbv	97
29) Ethyl acetate	5.881	43	446667	10.987	ppbv#	83
30) Tetrahydrofuran	5.802	41	107447	10.009	ppbv	100
31) 1,2-Dichloroethane	6.706	62	277169	10.668	ppbv	96
32) 1,1,1-Trichloroethane	5.867	97	404159	10.866	ppbv	96
33) Benzene	6.418	78	546101	10.071	ppbv	98
34) Carbon Tetrachloride	5.773	117	428233	11.274	ppbv	97
35) Cyclohexane	5.434	56	263899	10.109	ppbv#	81
37) 1,2-dichloropropane	7.925	63	239732	10.683	ppbv#	76
38) Bromodichloromethane	8.069	83	459681	11.247	ppbv	98
39) Trichloroethene	7.281	130	270096	10.871	ppbv	99
41) 1,4-Dioxane	8.318	88	130863	11.388	ppbv	86
43) Heptane	6.535	43	312132	9.936	ppbv#	88
44) cis-1,3-Dichloropropene	8.860	75	354746	10.699	ppbv	93
45) 4-Methyl-2-pentanone(M...	9.639	43	451992	10.689	ppbv#	92
46) trans-1,3-Dichloropropene	9.675	75	330257	11.139	ppbv#	94
47) 1,1,2-Trichloroethane	9.856	97	252519	10.779	ppbv	96
48) Toluene	9.148	91	692141	10.551	ppbv	97
49) Dibromochloromethane	10.051	129	512770	11.864	ppbv	98
50) 2-Hexanone(MBK)	10.657	43	454741	10.613	ppbv	95
51) 1,2-Dibromoethane(EDB)	10.275	107	445762	10.976	ppbv	99

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_04.D
 Acq On : 1 Jun 2020 7:49 am
 Operator : Keith
 Client ID : CG03910 LCS
 Lab ID : CG03910 LCS
 ALS Vial : 134 Sample Multiplier: 1

Quant Time: Jun 01 11:15:43 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	9.610	166	347004	11.130	ppbv	98
54)	1,1,1,2-Tetrachloroethane	11.048	131	276335	11.148	ppbv	99
55)	Chlorobenzene	10.945	112	544350	10.735	ppbv#	39
56)	Ethylbenzene	11.027	91	883506	10.784	ppbv	98
57)	m,p-Xylene	11.206	91	1380052	21.988	ppbv	98
58)	Bromoform	11.762	173	516851	12.445	ppbv	99
59)	Styrene	11.768	104	506050	10.679	ppbv	91
60)	1,1,2,2-Tetrachloroethane	12.696	83	563211	10.746	ppbv	98
61)	o-Xylene	11.707	91	734102	10.827	ppbv	97
64)	Isopropylbenzene	12.099	105	858744	10.348	ppbv	97
66)	4-Ethyltoluene	12.748	105	939779	10.719	ppbv	99
67)	1,3,5-Trimethylbenzene	12.859	105	793563	10.471	ppbv	96
68)	1,2,4-Trimethylbenzene	13.319	105	763452	10.528	ppbv	97
70)	Benzyl chloride	13.968	91	534041	11.885	ppbv	97
71)	1,3-Dichlorobenzene	13.631	146	485787	11.065	ppbv	99
72)	1,4-Dichlorobenzene	13.722	146	473896	10.942	ppbv	97
73)	sec-Butylbenzene	13.443	105	975422	10.296	ppbv	99
74)	4-Isopropyltoluene	13.611	119	716574	10.183	ppbv	96
75)	1,2-Dichlorobenzene	14.105	146	392299	11.257	ppbv	99
76)	n-Butylbenzene	14.014	91	653234	10.347	ppbv	97
77)	1,2,4-Trichlorobenzene	15.264	180	190261	8.873	ppbv	99
79)	Hexachlorobutadiene	15.269	225	198084	9.503	ppbv	100
81)	1,2-Dichlorotetrafluor...	1.608	135	245551	7.705	ppbv	94
82)	Vinyl Chloride(sim)	1.714	62	186563	10.084	ppbv	100
83)	Bromomethane(sim)	1.965	94	192232	9.236	ppbv#	89
84)	Trichlorofluoromethane...	2.207	101	470913	10.228	ppbv	99
85)	1,1,1-Trichloroethane(...	5.867	97	404143	10.401	ppbv#	96
86)	Carbon Tetrachloride(sim)	5.769	117	435487	11.585	ppbv	100
87)	1,1-Dichloroethene(sim)	2.649	61	262644	9.984	ppbv	96
88)	Trichlorotrifluoroetha...	2.721	101	352178	10.224	ppbv	99
89)	Trans-1,2-Dichloroethe...	3.450	61	278508	9.999	ppbv	94
90)	1,1-Dichloroethane(sim)	4.240	63	356581	10.176	ppbv	100
91)	Cis-1,2-Dichloroethene...	5.117	61	273291	10.291	ppbv	95
92)	Chloroform(sim)	5.617	83	443453	10.614	ppbv	99
93)	1,2-Dichloroethane(sim)	6.706	62	277169	10.653	ppbv	96
95)	1,2-dichloropropane(sim)	7.925	63	239732	10.428	ppbv#	76
96)	Bromodichloromethane(sim)	8.065	83	474564	11.607	ppbv	100
97)	Trichloroethene(sim)	7.281	130	270096	10.627	ppbv	97
98)	1,4-Dioxane(sim)	8.314	88	138969	10.371	ppbv#	70
99)	cis-1,3-Dichloropropen...	8.860	75	354746	11.414	ppbv	93
100)	1,1,2-Trichloroethane(...	9.851	97	264893	10.704	ppbv	99
101)	Dibromochloromethane(sim)	10.051	129	512770	12.956	ppbv	98
102)	1,2-Dibromoethane(EDB)...	10.277	107	461247	11.296	ppbv	99
103)	Tetrachloroethene(sim)	9.610	166	347004	11.112	ppbv	98
105)	Bromoform(sim)	11.762	173	516766	14.132	ppbv	98
106)	1,1,1,2-Tetrachloroeth...	11.051	131	285509	11.613	ppbv	100
107)	m,p-Xylene(sim)	11.206	91	1381040	20.715	ppbv	98
108)	1,1,2,2-Tetrachloroeth...	12.693	83	581440	10.627	ppbv	100
111)	Benzyl chloride(sim)	13.968	91	534041	13.864	ppbv	97
112)	1,3-Dichlorobenzene(sim)	13.627	146	527923	10.755	ppbv	100
113)	1,4-Dichlorobenzene(sim)	13.722	146	473896	10.904	ppbv	97
114)	sec-Butylbenzene(sim)	13.439	105	1031954	10.214	ppbv	99
115)	4-Isopropyltoluene(sim)	13.611	119	716574	9.963	ppbv	96
116)	1,2-Dichlorobenzene(sim)	14.107	146	425254	10.517	ppbv	100
117)	n-Butylbenzene(sim)	14.014	91	653234	10.020	ppbv	97
118)	1,2,4-Trichlorobenzene...	15.262	180	206740	7.937	ppbv	100
119)	Hexachlorobutadiene(sim)	15.269	225	198084	7.813	ppbv	100

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_04.D
Acq On : 1 Jun 2020 7:49 am
Operator : Keith
Client ID : CG03910 LCS
Lab ID : CG03910 LCS
ALS Vial : 134 Sample Multiplier: 1

Quant Time: Jun 01 11:15:43 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration

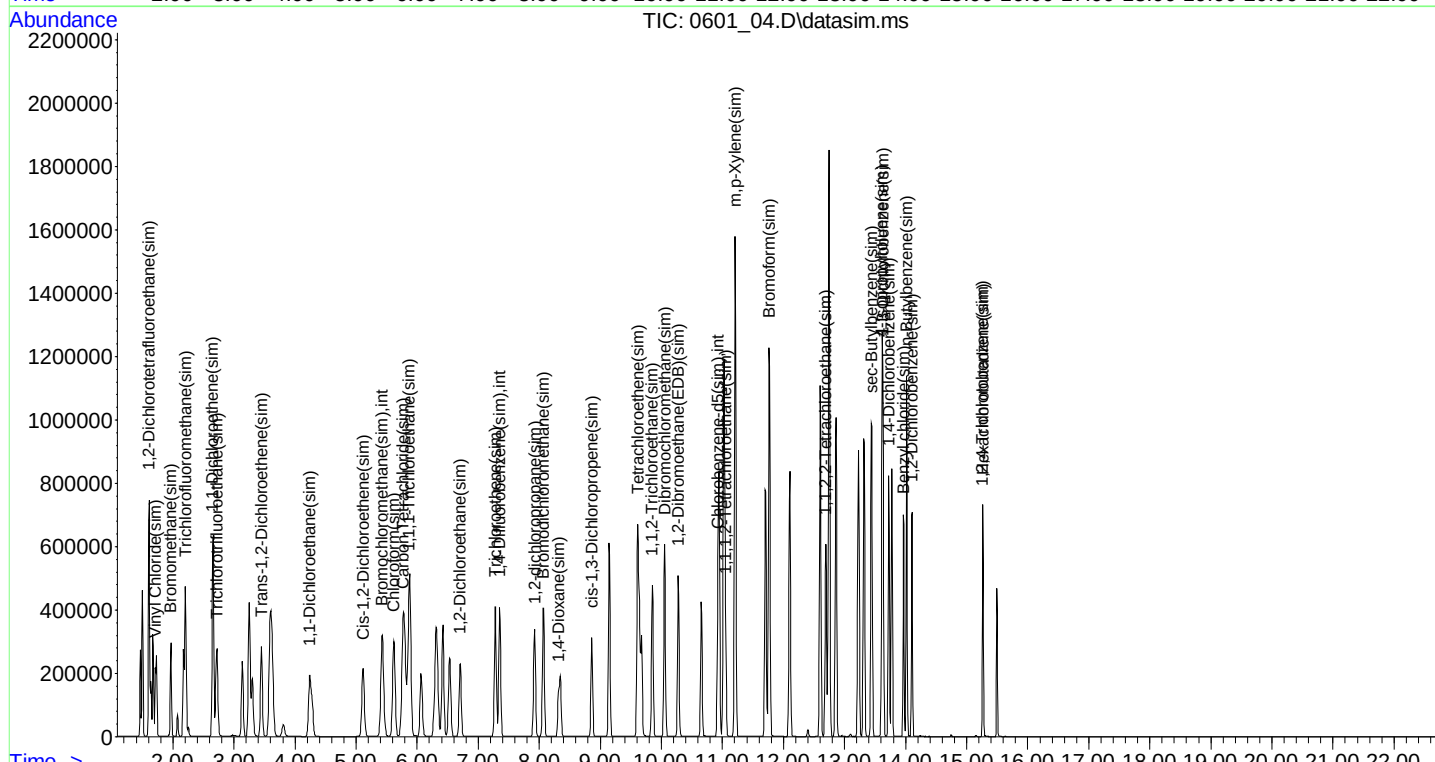
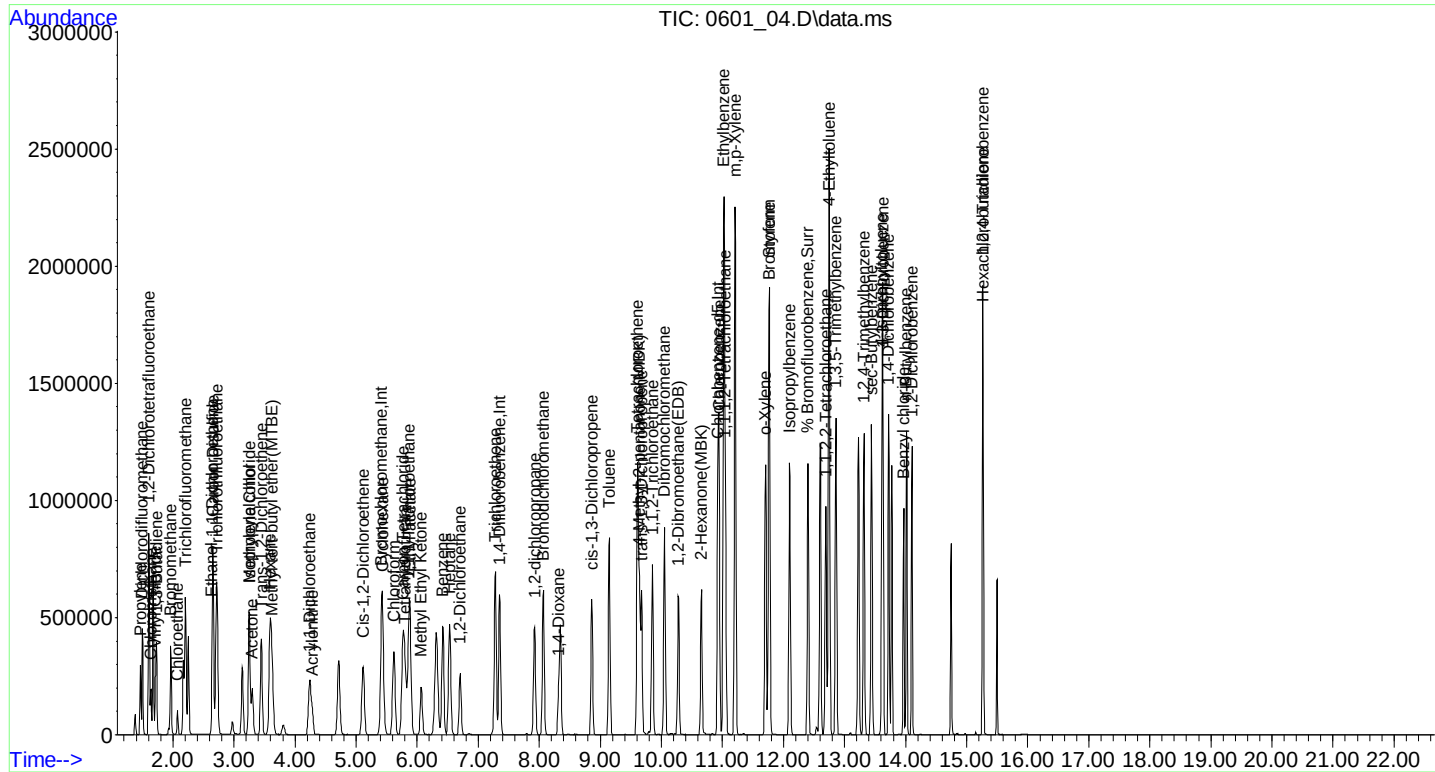
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

(QT Reviewed)

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Data Path : H:\AIR2020\CHEM24\06JUN\01\  
Data File : 0601_04.D  
Acq On : 1 Jun 2020 7:49 am  
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Quant Time: Jun 01 11:15:43 2020
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Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03910 BL

Canister: BL Lab File ID: 0601_06.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

CG03910 BLANK

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.580	U	0.580	0.580	r
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
74-87-3	Chloromethane	0.480	U	0.480	0.480	r
106-99-0	1,3-Butadiene	0.450	U	0.450	0.450	r
75-00-3	Chloroethane	0.380	U	0.380	0.380	r
64-17-5	Ethanol	0.530	U	0.530	0.530	r
67-64-1	Acetone	0.420	U	0.420	0.420	r
67-63-0	Isopropylalcohol	0.410	U	0.410	0.410	r
107-13-1	Acrylonitrile	0.460	U	0.460	0.460	r
75-09-2	Methylene Chloride	0.860	U	0.860	0.860	r
75-15-0	Carbon Disulfide	0.320	U	0.320	0.320	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.280	U	0.280	0.280	r
78-93-3	Methyl Ethyl Ketone	0.340	U	0.340	0.340	r
110-54-3	Hexane	0.280	U	0.280	0.280	r
141-78-6	Ethyl acetate	0.280	U	0.280	0.280	r
109-99-9	Tetrahydrofuran	0.340	U	0.340	0.340	r
71-43-2	Benzene	0.310	U	0.310	0.310	r
110-82-7	Cyclohexane	0.290	U	0.290	0.290	r
142-82-5	Heptane	0.240	U	0.240	0.240	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.240	U	0.240	0.240	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.270	U	0.270	0.270	r
591-78-6	2-Hexanone(MBK)	0.240	U	0.240	0.240	r
108-90-7	Chlorobenzene	0.220	U	0.220	0.220	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.230	U	0.230	0.230	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.200	U	0.200	0.200	r
622-96-8	4-Ethyltoluene	0.200	U	0.200	0.200	r
108-67-8	1,3,5-Trimethylbenzene	0.200	U	0.200	0.200	r
95-63-6	1,2,4-Trimethylbenzene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.140	U	0.140	0.140	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.260	U	0.260	0.260	r
75-69-4	Trichlorofluoromethane(sim)	0.180	U	0.180	0.180	r
71-55-6	1,1,1-Trichloroethane(sim)	0.180	U	0.180	0.180	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CG03910 BLANK

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03910 BL</u>
Canister:	<u>BL</u>	Lab File ID:	<u>0601_06.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>
		Date Received:	<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
76-13-1	Trichlorotrifluoroethane(sim)	0.130	U	0.130	0.130	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.250	U	0.250	0.250	r
75-34-3	1,1-Dichloroethane(sim)	0.250	U	0.250	0.250	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.256	U	0.256	0.256	r
67-66-3	Chloroform(sim)	0.200	U	0.200	0.200	r
107-06-2	1,2-Dichloroethane(sim)	0.250	U	0.250	0.250	r
78-87-5	1,2-dichloropropane(sim)	0.220	U	0.220	0.220	r
75-27-4	Bromodichloromethane(sim)	0.150	U	0.150	0.150	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.280	U	0.280	0.280	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.180	U	0.180	0.180	r
124-48-1	Dibromochloromethane(sim)	0.120	U	0.120	0.120	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.150	U	0.150	0.150	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.150	U	0.150	0.150	r
100-44-7	Benzyl chloride(sim)	0.190	U	0.190	0.190	r
541-73-1	1,3-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
106-46-7	1,4-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
135-98-8	sec-Butylbenzene(sim)	0.180	U	0.180	0.180	r
99-87-6	4-Isopropyltoluene(sim)	0.180	U	0.180	0.180	r
95-50-1	1,2-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
104-51-8	n-Butylbenzene(sim)	0.180	U	0.180	0.180	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.130	U	0.130	0.130	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_06.D
Acq On : 1 Jun 2020 8:51 am
Operator : Keith
Client ID : CG03910 BLANK
Lab ID : CG03910 BLANK
ALS Vial : 136 Sample Multiplier: 1

Quant Time: Jun 01 11:15:51 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration

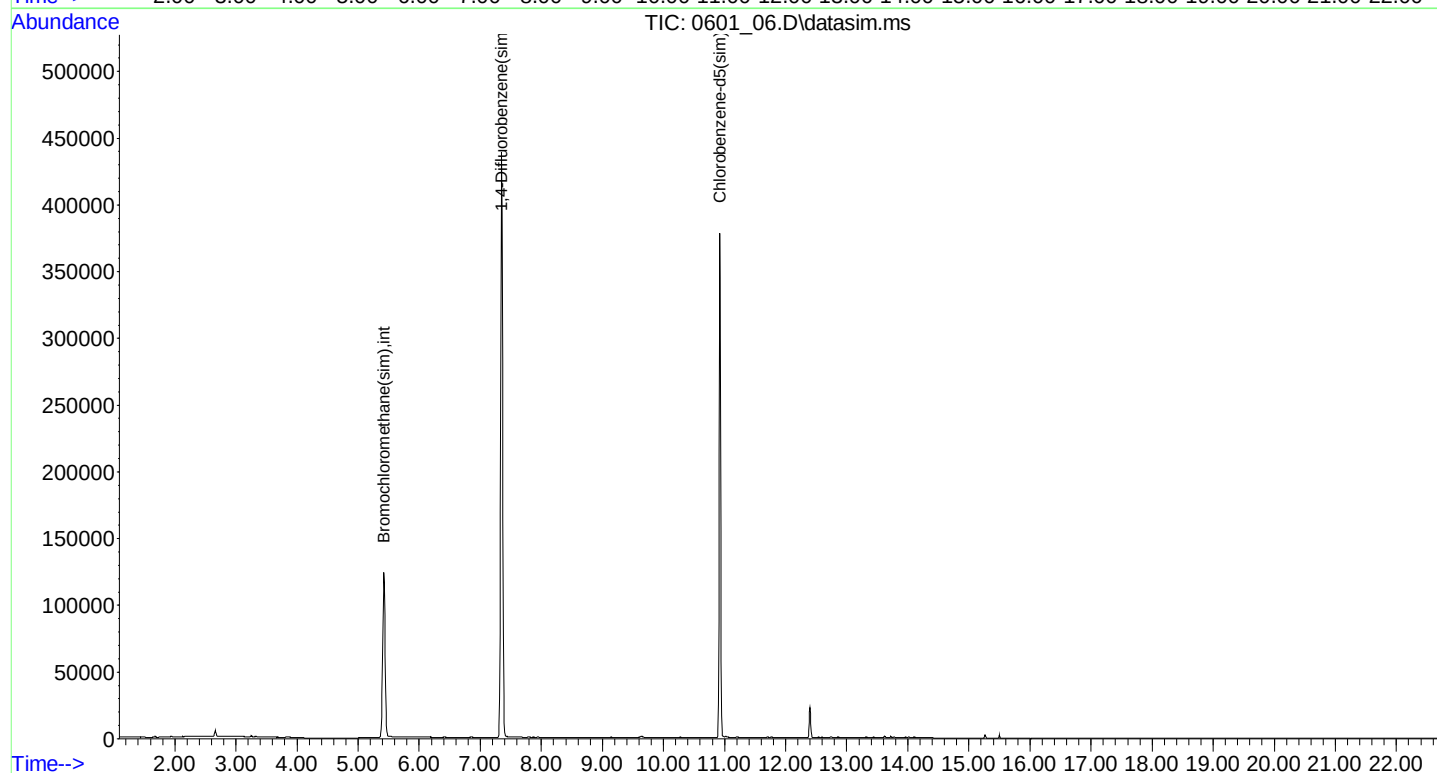
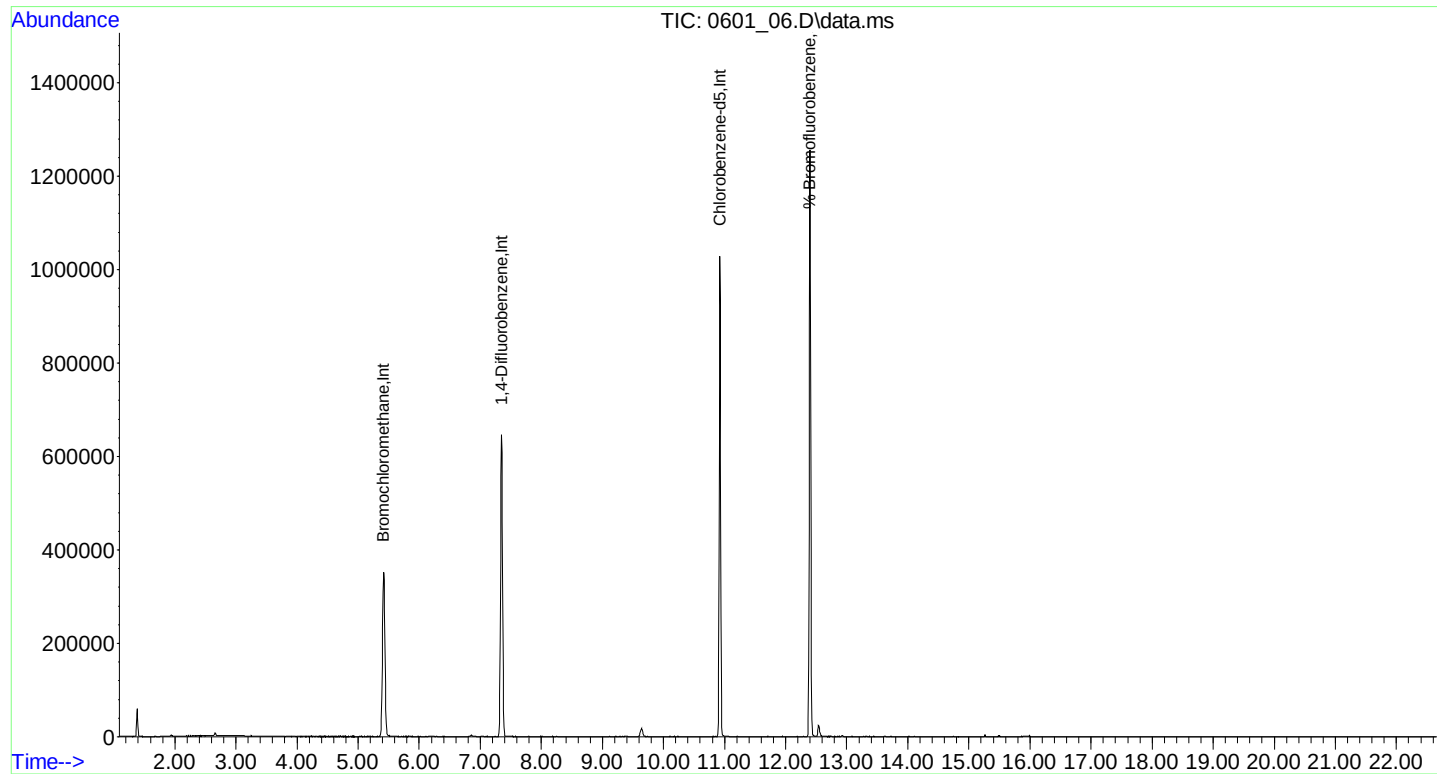
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.417	130	178683	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.347	114	633035	10.000	ng	-0.01
53) Chlorobenzene-d5	10.922	82	337142	10.000	ng	0.00
80) Bromochloromethane(sim)	5.420	130	175839	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.350	114	683040	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.925	82	354737	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.396	95	447877	9.800	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.00%

Target Compounds	Qvalue

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

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Data File : 0601_06.D
Acq On : 1 Jun 2020 8:51 am
Operator : Keith
Client ID : CG03910 BLANK
Lab ID : CG03910 BLANK
ALS Vial : 136 Sample Multiplier: 1

Quant Time: Jun 01 11:15:51 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	BLOWER-2 DUP
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03910 DUP</u>	
Canister:	<u>466</u>	Lab File ID:	<u>0601_08.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>	Date Received:
				<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.416		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	14.7	S	0.531	0.531	r
67-64-1	Acetone	77.6	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.472		0.178	0.178	r
67-63-0	Isopropylalcohol	2.59	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
75-34-3	1,1-Dichloroethane	1.26		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	1.33		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	5.62		0.051	0.051	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
67-66-3	Chloroform	2.70		0.205	0.205	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-55-6	1,1,1-Trichloroethane	1.93		0.183	0.183	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride	1.06		0.032	0.032	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
79-01-6	Trichloroethene	19.2		0.037	0.037	r
142-82-5	Heptane	0.443		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.770		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.528		0.244	0.244	r
127-18-4	Tetrachloroethene	0.873		0.037	0.037	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.265		0.230	0.230	r
179601-23-1	m,p-Xylene	0.539		0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

BLOWER-2 DUP

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CG03910 DUP
Canister:	466	Lab File ID:	0601_08.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	06/01/20
Matrix:	AIR	Date Analyzed:	06/01/20
		Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.092		0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-35-4	1,1-Dichloroethene(sim)	0.127		0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
79-34-5	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_08.D
 Acq On : 1 Jun 2020 10:05 am
 Operator : Keith
 Client ID : BLOWER-2 DUP
 Lab ID : CG03910 DUP
 ALS Vial : 138 Sample Multiplier: 1

Quant Time: Jun 01 11:18:54 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

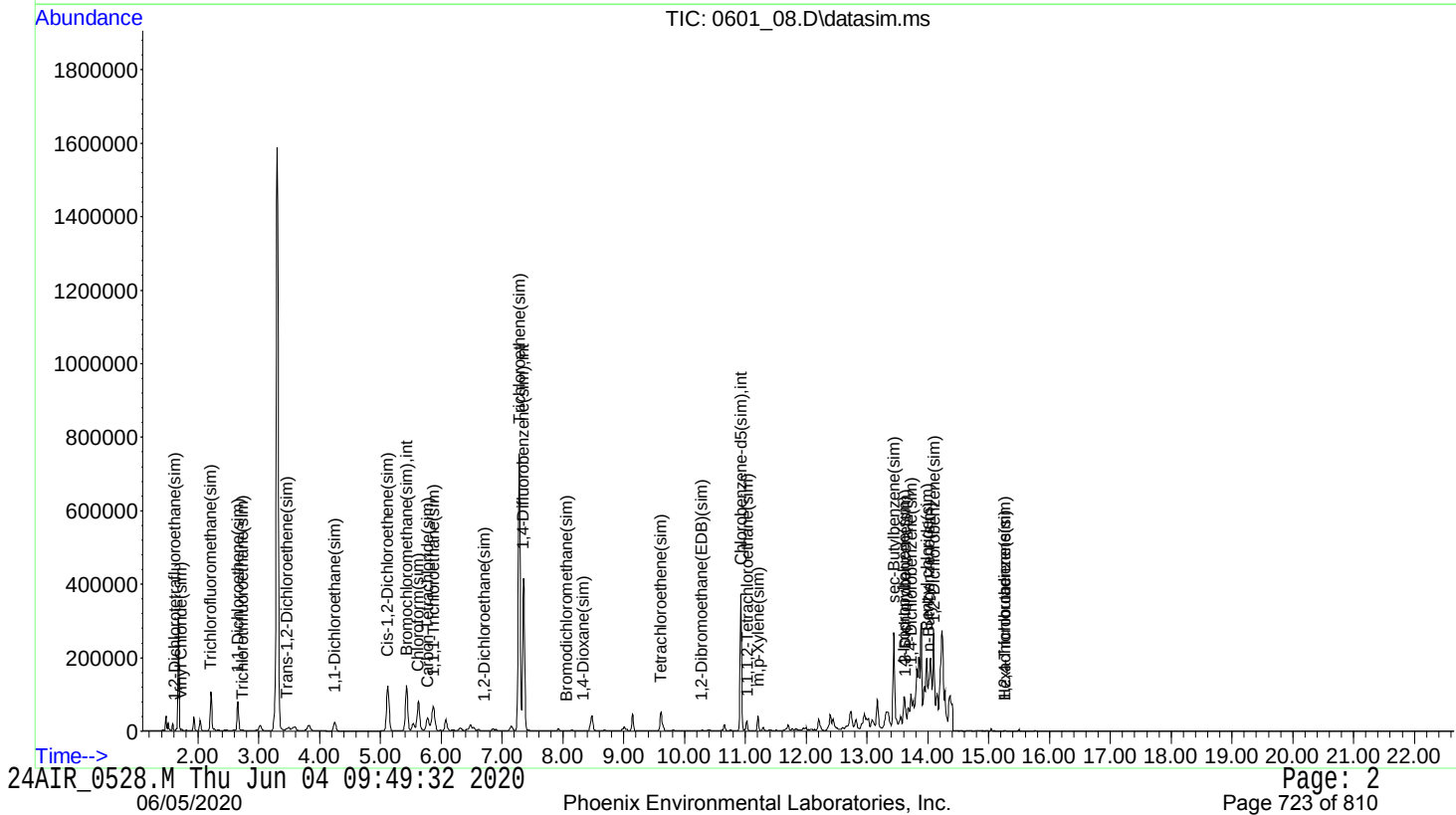
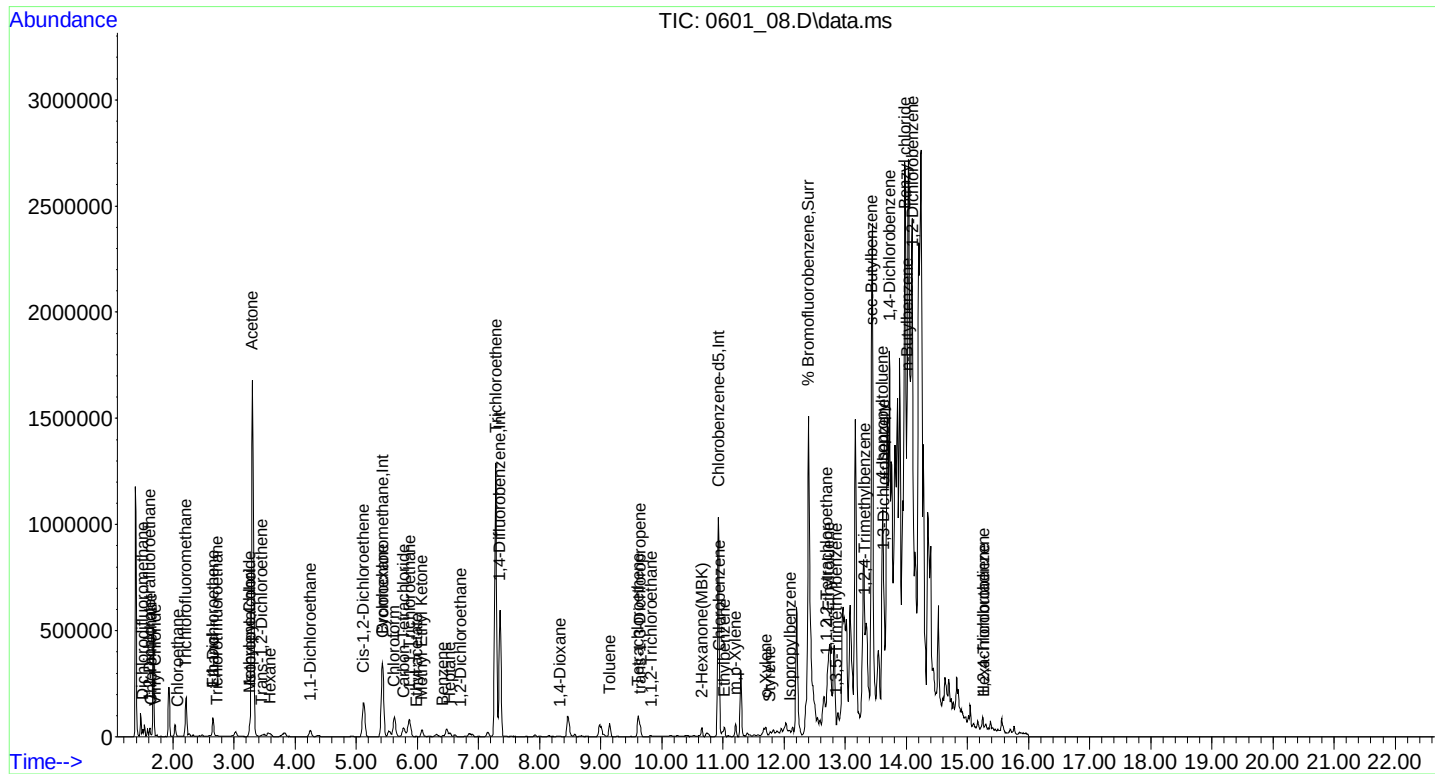
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	171221	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.350	114	598518	10.000	ng	0.00
53) Chlorobenzene-d5	10.924	82	334971	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	170056	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.353	114	646499	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	354690	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.398	95	455709	10.036	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.40%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.506	85	15135	0.416	ppbv	99
6) Vinyl Chloride	1.718	62	1657	0.095	ppbv#	1
10) Ethanol	2.656	45	85855	14.688	ppbv#	77
12) Acetone	3.299	43	2509041	77.604	ppbv#	75
13) Trichlorofluoromethane	2.211	101	20387	0.472	ppbv	97
14) Isopropylalcohol	3.265	45	83071	2.588	ppbv#	1
23) 1,1-Dichloroethane	4.247	63	43014	1.259	ppbv	95
25) Methyl Ethyl Ketone	6.076	43	50529	1.326	ppbv#	85
26) Cis-1,2-Dichloroethene	5.117	61	151903	5.621	ppbv	95
28) Chloroform	5.622	83	112057	2.697	ppbv	94
32) 1,1,1-Trichloroethane	5.867	97	75079	1.929	ppbv#	88
34) Carbon Tetrachloride	5.773	117	41962	1.055	ppbv	96
39) Trichloroethene	7.281	130	486899	19.164	ppbv	99
43) Heptane	6.535	43	14238	0.443	ppbv	95
48) Toluene	9.148	91	51619	0.769	ppbv	98
50) 2-Hexanone(MBK)	10.657	43	23125	0.528	ppbv#	75
52) Tetrachloroethene	9.610	166	27842	0.873	ppbv	98
56) Ethylbenzene	11.021	91	23089	0.265	ppbv	98
57) m,p-Xylene	11.206	91	35940	0.539	ppbv	99
84) Trichlorofluoromethane...	2.207	101	21287	0.442	ppbv	99
85) 1,1,1-Trichloroethane(...)	5.867	97	75079	1.848	ppbv#	88
86) Carbon Tetrachloride(sim)	5.776	117	42520	1.082	ppbv	99
90) 1,1-Dichloroethane(sim)	4.250	63	45274	1.236	ppbv	100
91) Cis-1,2-Dichloroethene...	5.117	61	151903	5.470	ppbv	95
92) Chloroform(sim)	5.625	83	116139	2.658	ppbv	97
97) Trichloroethene(sim)	7.281	130	486899	18.677	ppbv	98
103) Tetrachloroethene(sim)	9.610	166	27738	0.866	ppbv	98
107) m,p-Xylene(sim)	11.206	91	35940	0.506	ppbv	99

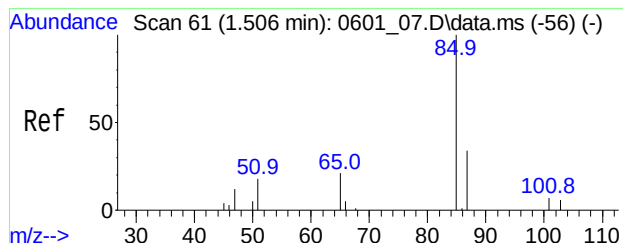
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0601_08.D
Acq On : 1 Jun 2020 10:05 am
Operator : Keith
Client ID : BLOWER-2 DUP
Lab ID : CG03910 DUP
ALS Vial : 138 Sample Multiplier: 1

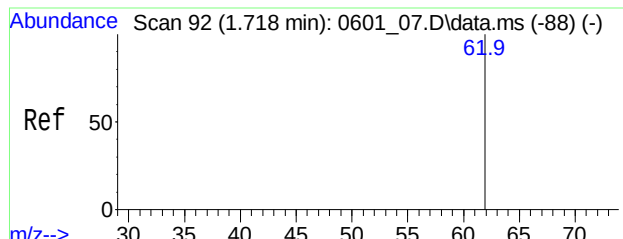
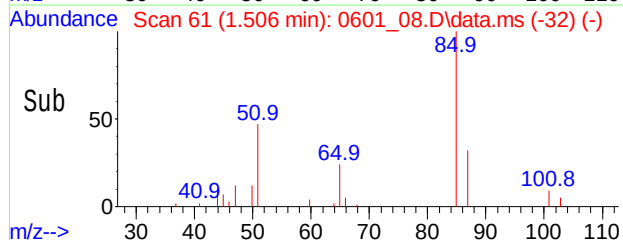
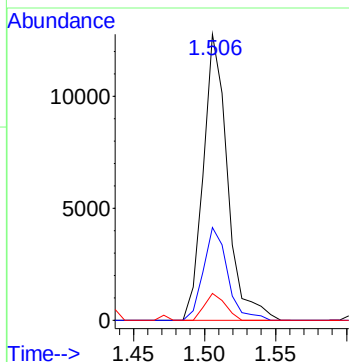
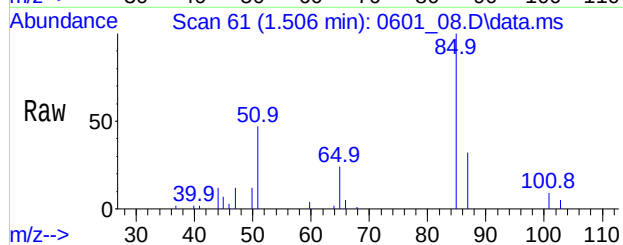
Quant Time: Jun 01 11:18:54 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration





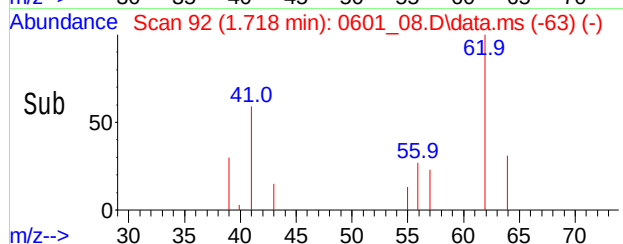
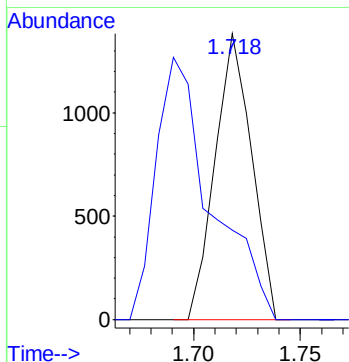
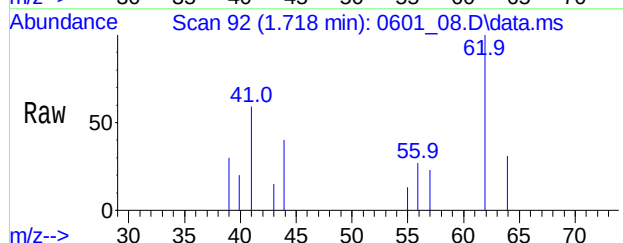
#3
Dichlorodifluoromethane
Conc: 8\$ 0.416 ppbv
RT: 1.506 min Scan# 61
Delta R.T. -0.000 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

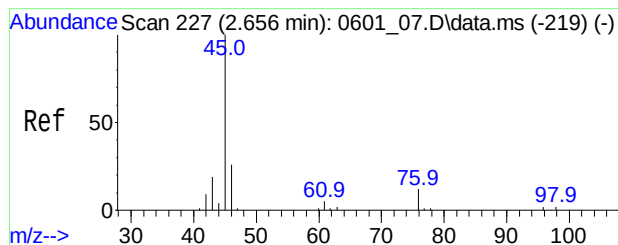
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	15135		
87	32.3	26.2	39.4	
101	8.0	6.2	9.4	



#6
Vinyl Chloride
Conc: 8\$ Below Cal
RT: 1.718 min Scan# 92
Delta R.T. -0.000 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

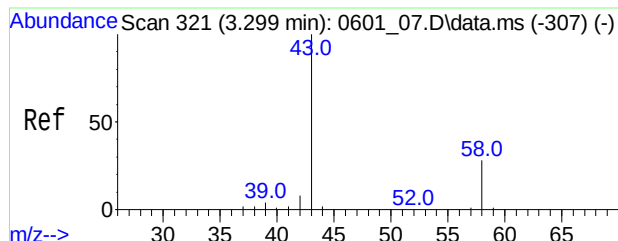
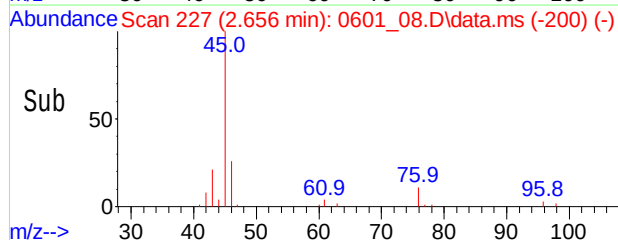
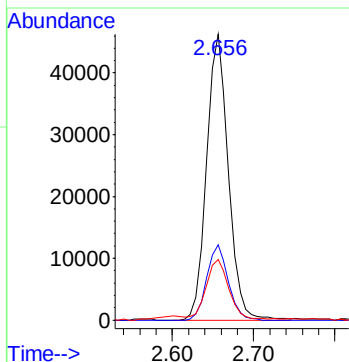
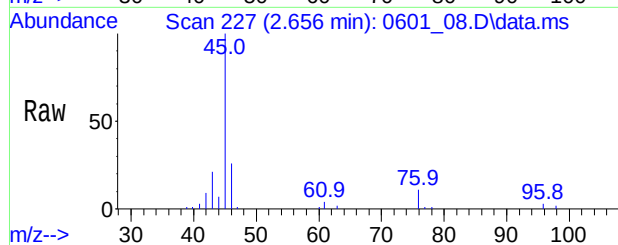
Tgt Ion	Ratio	Resp	Lower	Upper
62	100	1657		
64	138.1	18.6	58.6#	





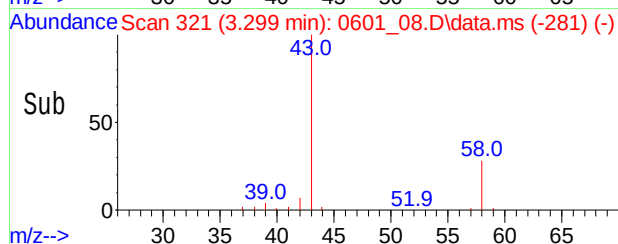
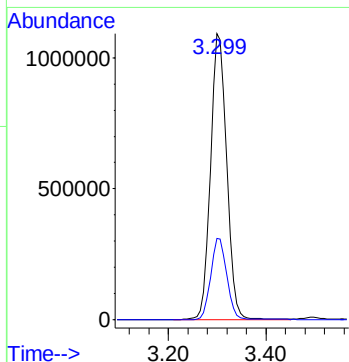
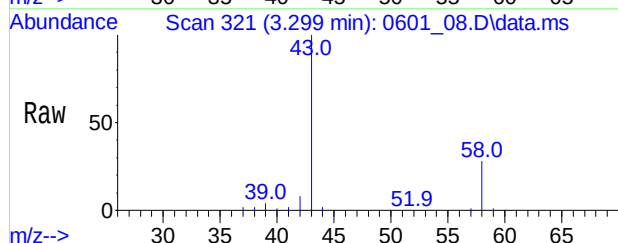
#10
Ethanol
Conc: 8\$ 14.688 ppbv
RT: 2.656 min Scan# 227
Delta R.T. -0.007 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

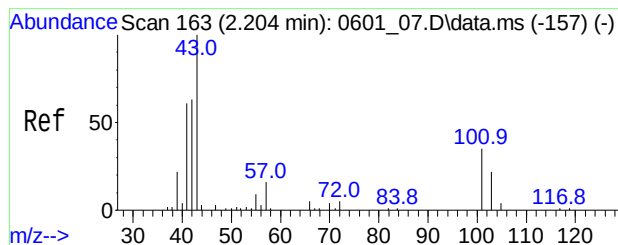
Tgt Ion	Ratio	Lower	Upper
45	100		
46	25.9	0.0	0.0#
43	23.0	29.3	43.9#



#12
Acetone
Conc: 8\$ 77.604 ppbv
RT: 3.299 min Scan# 321
Delta R.T. -0.028 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

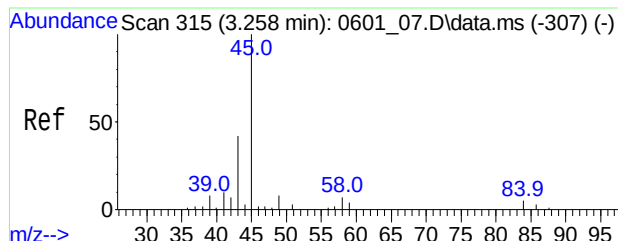
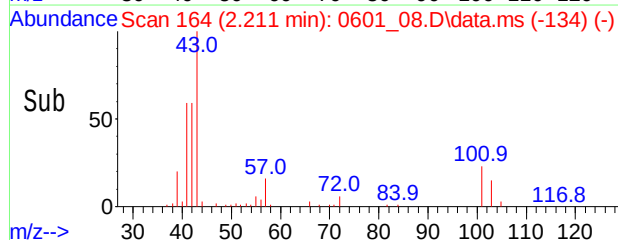
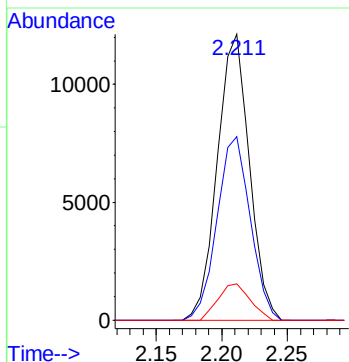
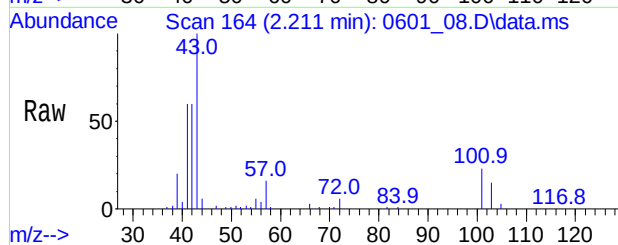
Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.2	13.8	20.6#





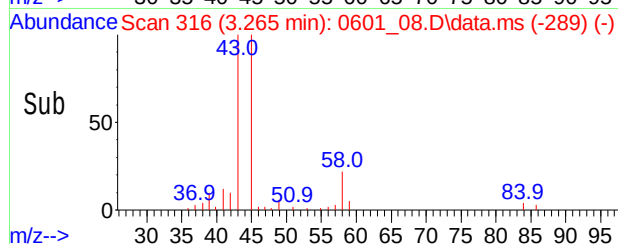
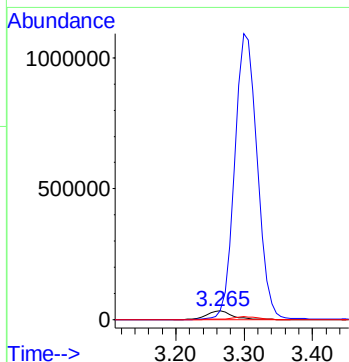
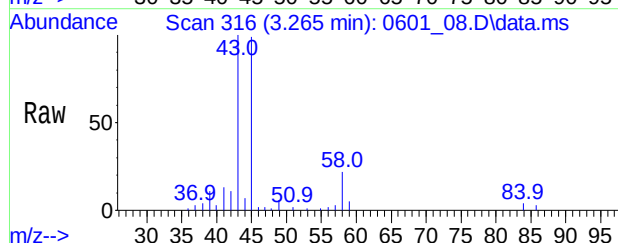
#13
 Trichlorofluoromethane
 Conc: 8\$ 0.472 ppbv
 RT: 2.211 min Scan# 164
 Delta R.T. 0.007 min
 Lab File: 0601_08.D
 Acq: 1 Jun 2020 10:05 am

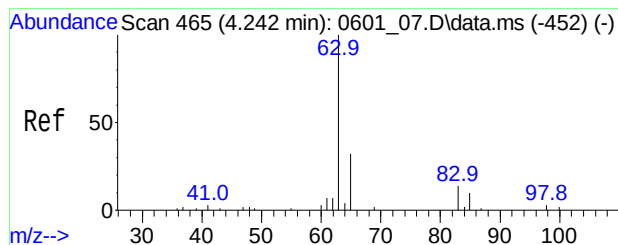
Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.5	55.4	83.2
66	12.7	11.4	17.0



#14
 Isopropylalcohol
 Conc: 8\$ 2.588 ppbv
 RT: 3.265 min Scan# 316
 Delta R.T. -0.014 min
 Lab File: 0601_08.D
 Acq: 1 Jun 2020 10:05 am

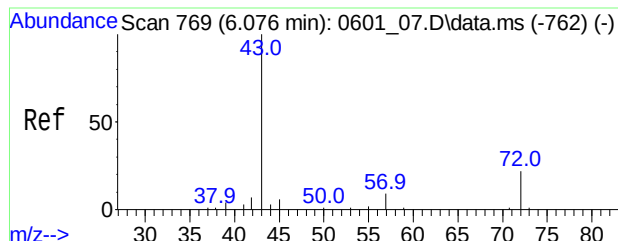
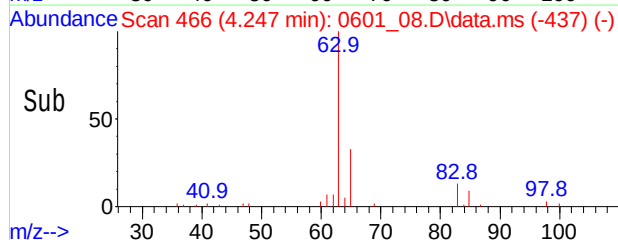
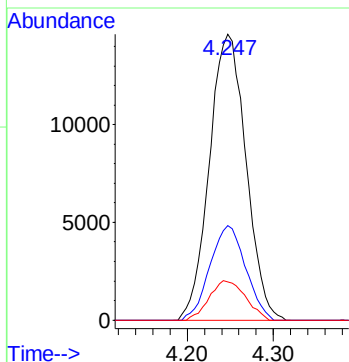
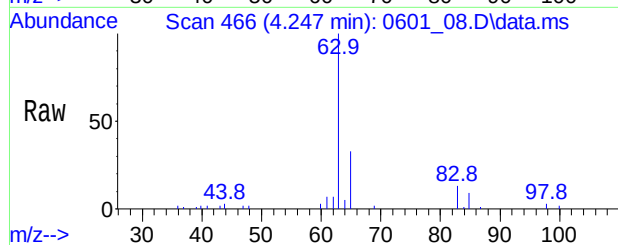
Tgt Ion	Ratio	Lower	Upper
45	100		
43	3020.4	137.3	205.9#
59	32.3	0.0	0.0#





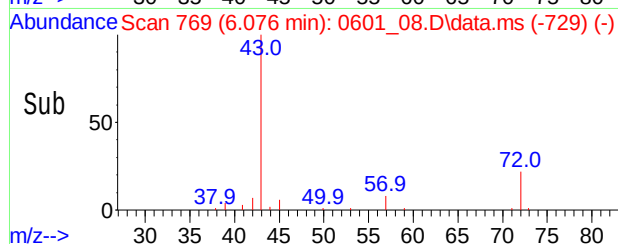
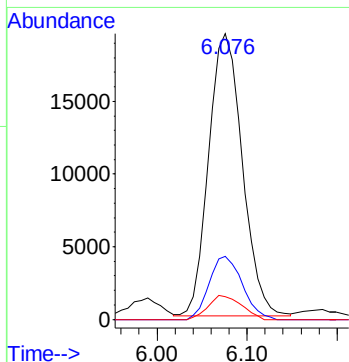
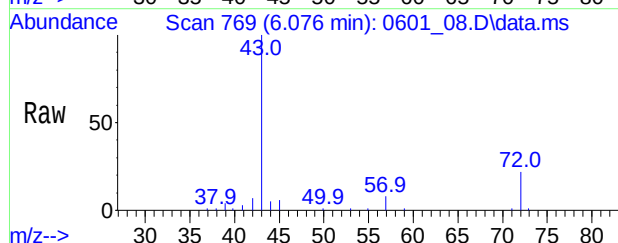
#23
1,1-Dichloroethane
Conc: 8\$ 1.259 ppbv
RT: 4.247 min Scan# 466
Delta R.T. 0.005 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

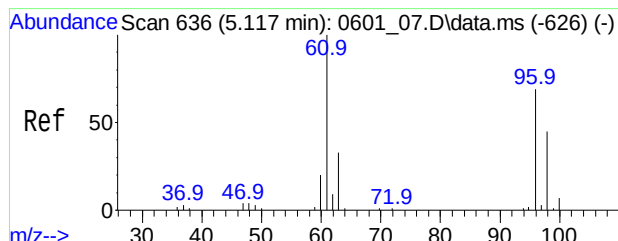
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	43014		
65	32.3	13.7	53.7	
83	13.6	0.0	27.0	



#25
Methyl Ethyl Ketone
Conc: 8\$ 1.326 ppbv
RT: 6.076 min Scan# 769
Delta R.T. -0.014 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

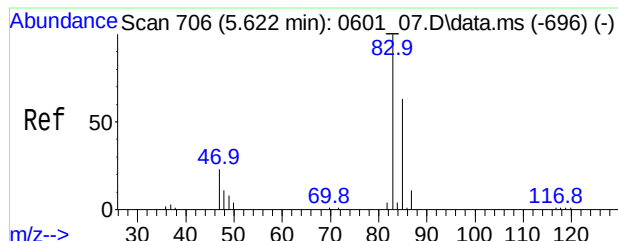
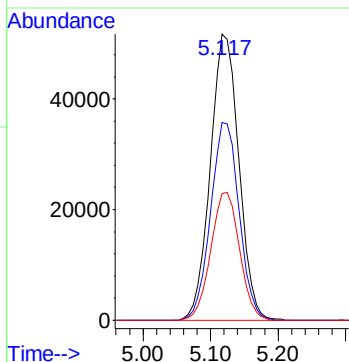
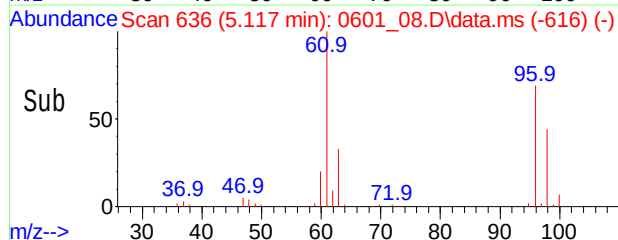
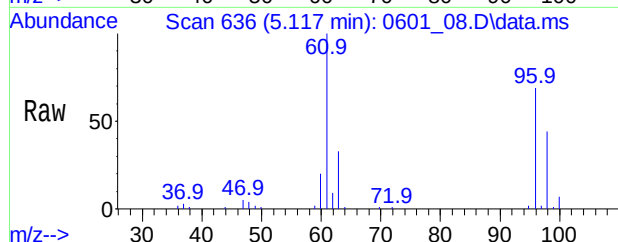
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	50529		
72	22.0	12.6	19.0#	
57	8.4	0.0	0.0#	





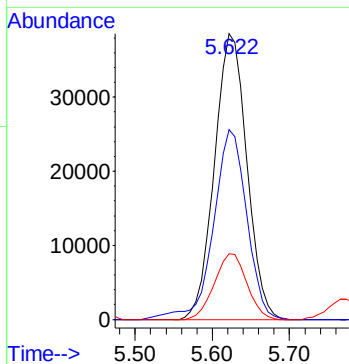
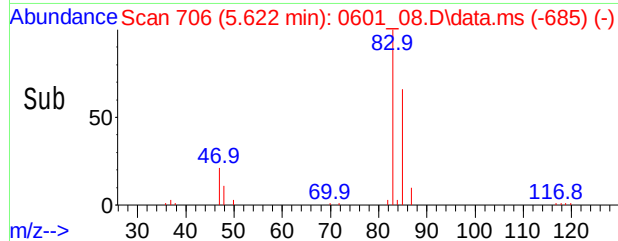
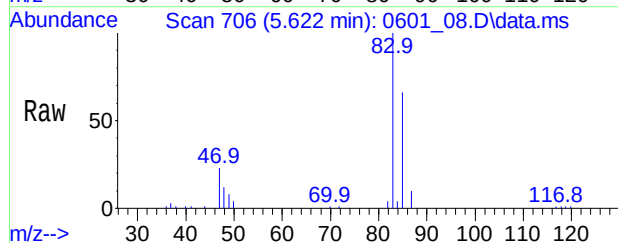
#26
Cis-1,2-Dichloroethene
Conc: 8\$ 5.621 ppbv
RT: 5.117 min Scan# 636
Delta R.T. -0.008 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

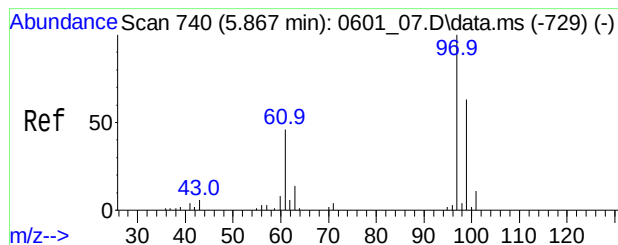
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	151903		
96	69.0	58.4	87.6	
98	44.9	33.0	49.4	



#28
Chloroform
Conc: 8\$ 2.697 ppbv
RT: 5.622 min Scan# 706
Delta R.T. -0.000 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

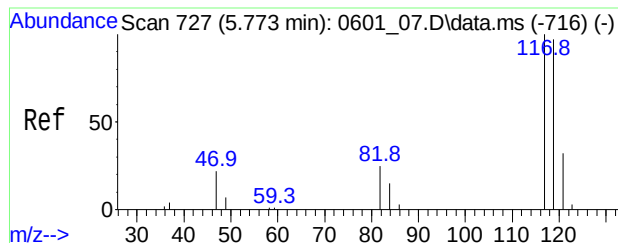
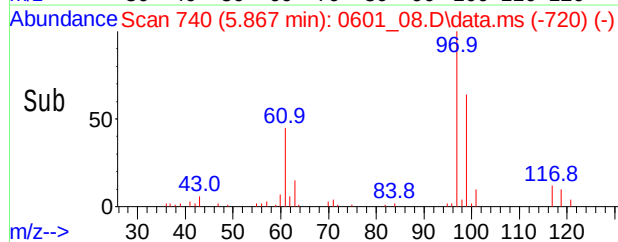
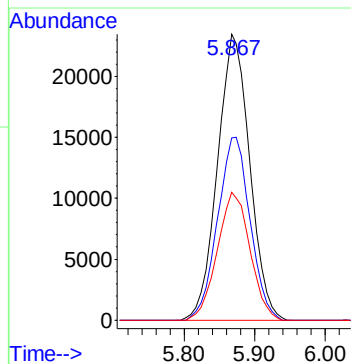
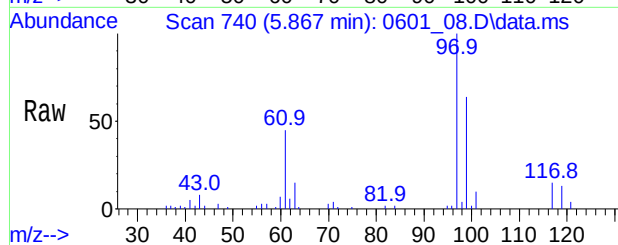
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	112057		
85	68.2	42.5	82.5	
47	23.1	1.5	41.5	





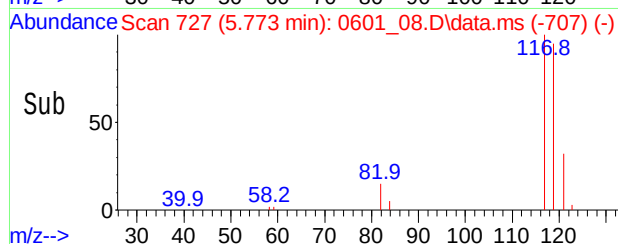
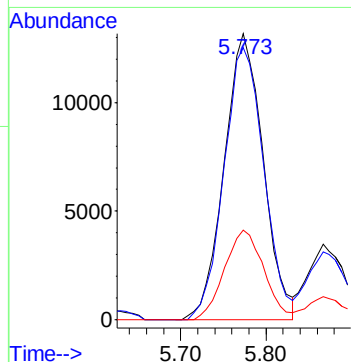
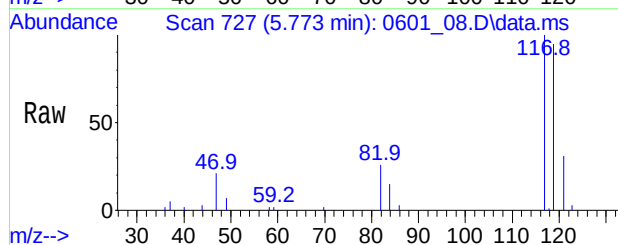
#32
1,1,1-Trichloroethane
Conc: 8\$ 1.929 ppbv
RT: 5.867 min Scan# 740
Delta R.T. -0.007 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

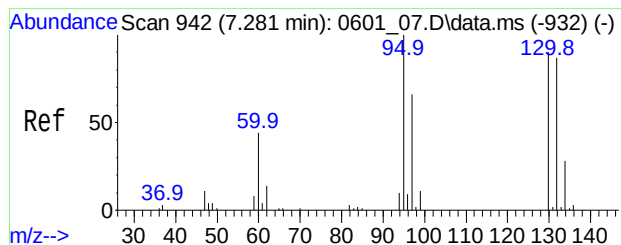
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	75079		
99	64.5	48.0	72.0	
61	45.4	47.5	71.3#	



#34
Carbon Tetrachloride
Conc: 8\$ 1.055 ppbv
RT: 5.773 min Scan# 727
Delta R.T. -0.007 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

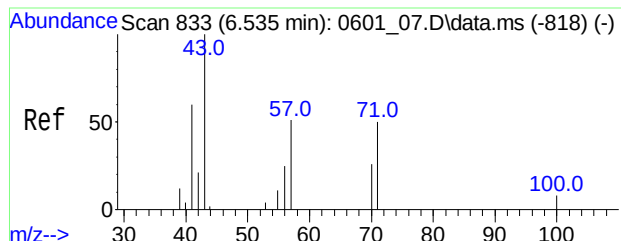
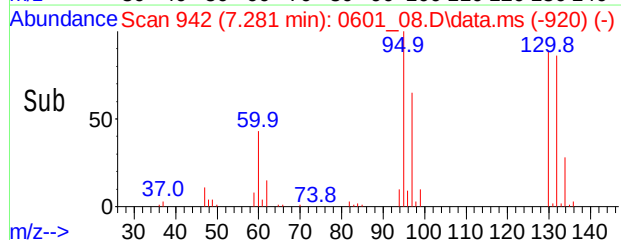
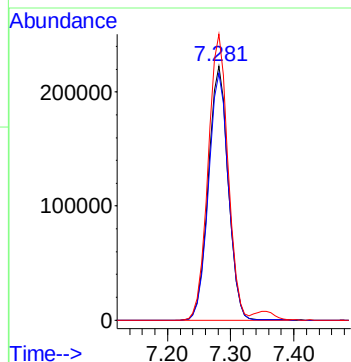
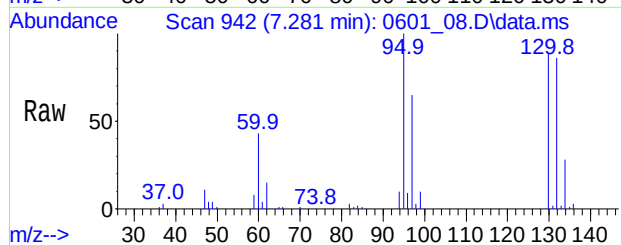
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41962		
119	97.0	75.0	115.0	
121	31.3	6.8	46.8	





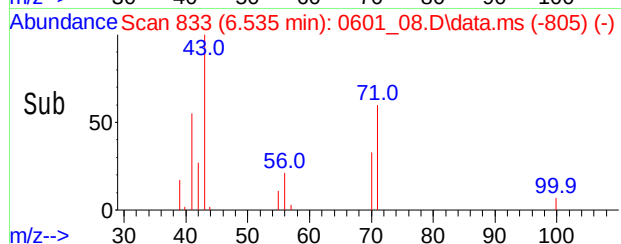
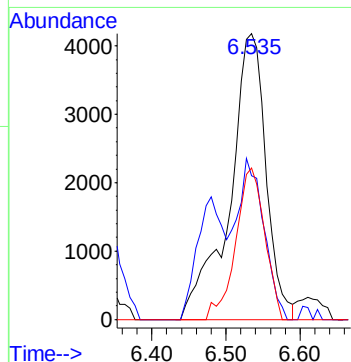
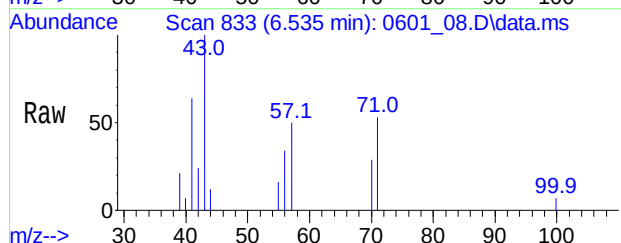
#39
Trichloroethene
Conc: 8\$ 19.164 ppbv
RT: 7.281 min Scan# 942
Delta R.T. 0.000 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

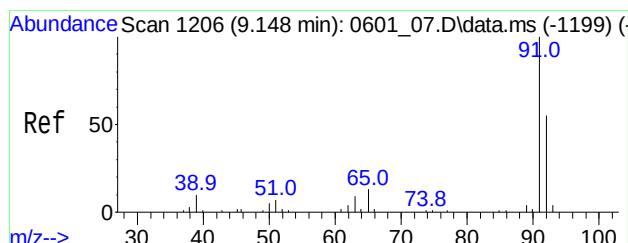
Tgt Ion: 130 Resp: 486899
Ion Ratio Lower Upper
130 100
132 97.1 76.6 114.8
95 112.6 89.6 134.4



#43
Heptane
Conc: 8\$ 0.443 ppbv
RT: 6.535 min Scan# 833
Delta R.T. -0.007 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

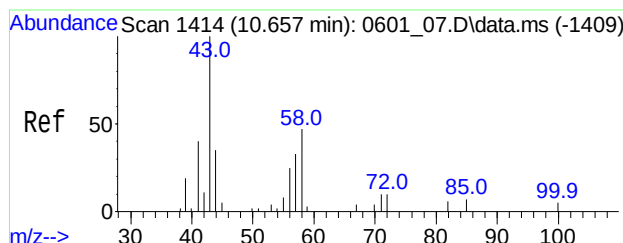
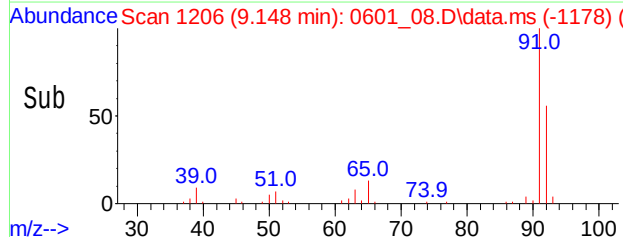
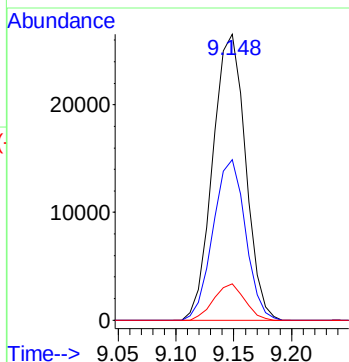
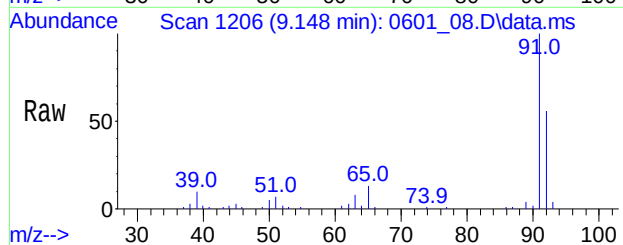
Tgt Ion: 43 Resp: 14238
Ion Ratio Lower Upper
43 100
57 39.0 35.9 53.9
71 42.2 33.4 50.0





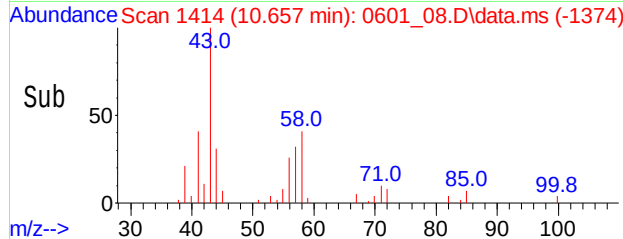
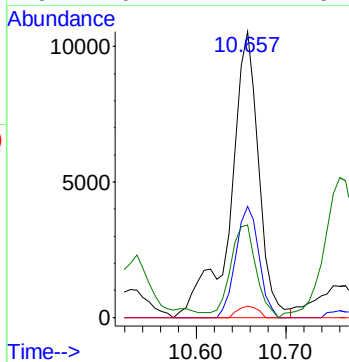
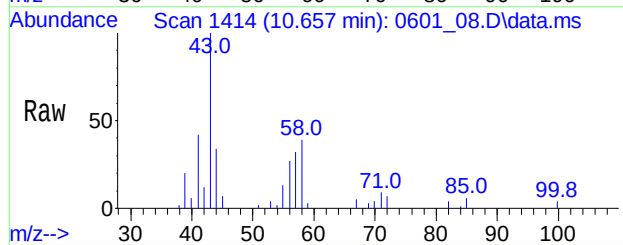
#48
Toluene
Conc: 8\$ 0.769 ppbv
RT: 9.148 min Scan# 1206
Delta R.T. 0.000 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

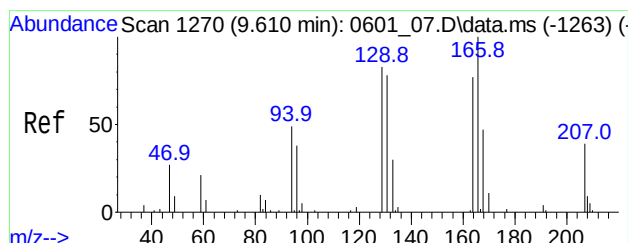
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	51619		
92	55.5	43.4	65.0	
65	12.0	8.2	12.4	



#50
2-Hexanone (MBK)
Conc: 8\$ 0.528 ppbv
RT: 10.657 min Scan# 1414
Delta R.T. -0.007 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

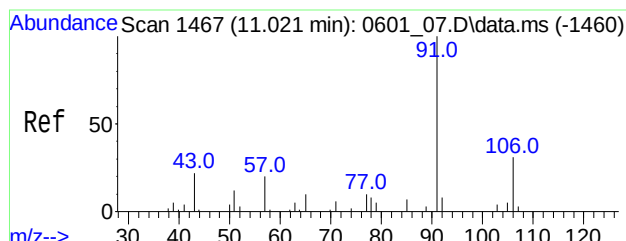
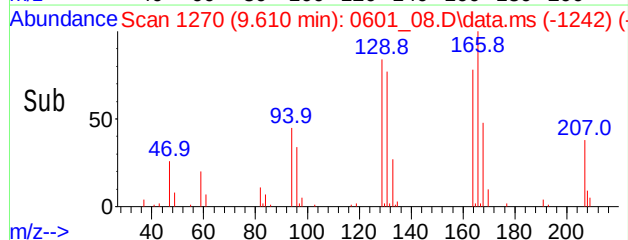
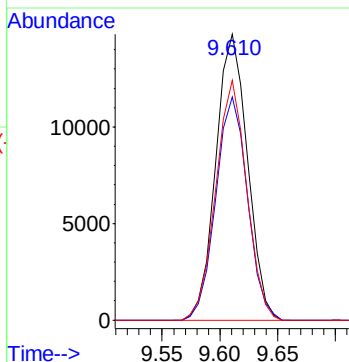
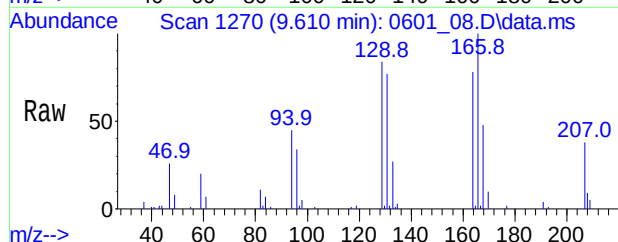
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	23125		
58	31.7	37.3	55.9#	
100	2.8	0.0	0.0#	
57	29.4	12.2	18.2#	





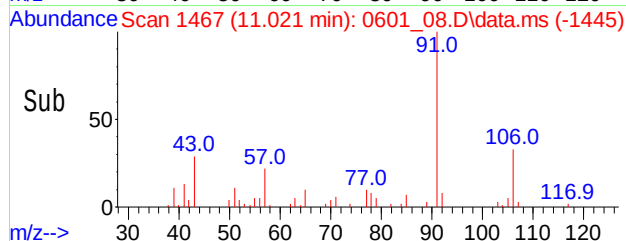
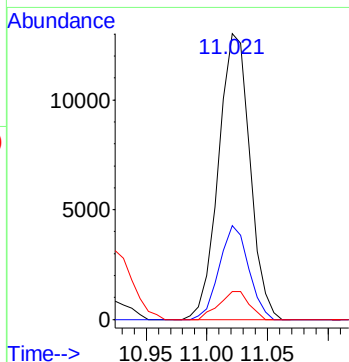
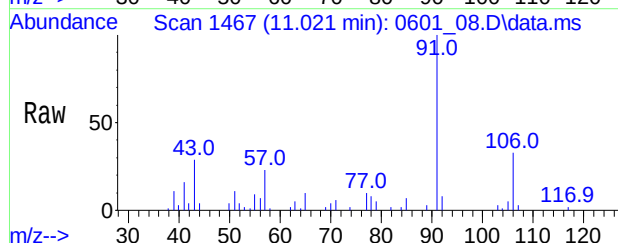
#52
Tetrachloroethene
Conc: 8\$ 0.873 ppbv
RT: 9.610 min Scan# 1270
Delta R.T. 0.000 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

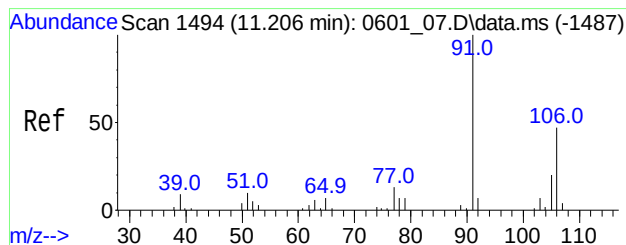
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	27842		
164	77.8	61.0	91.6	
129	81.8	63.7	95.5	



#56
Ethylbenzene
Conc: 8\$ 0.265 ppbv
RT: 11.021 min Scan# 1467
Delta R.T. -0.000 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

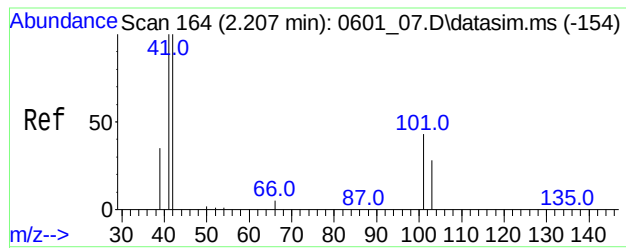
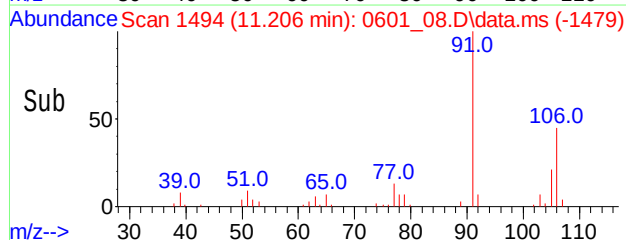
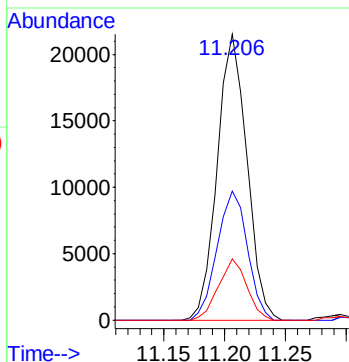
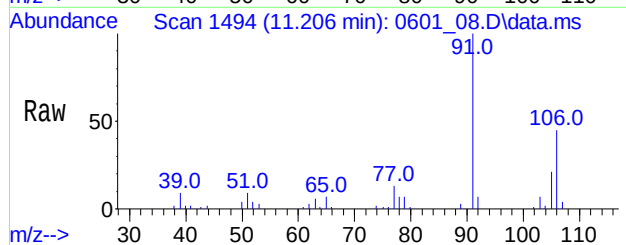
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	23089		
106	30.6	9.2	49.2	
77	9.4	0.0	29.2	





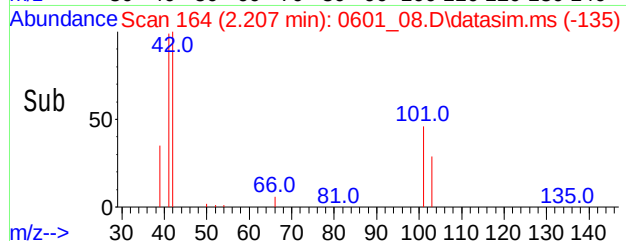
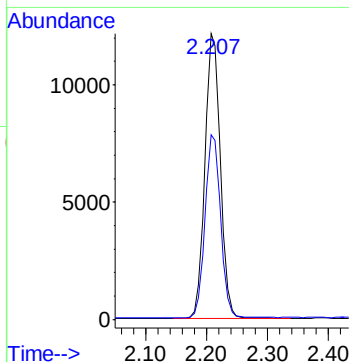
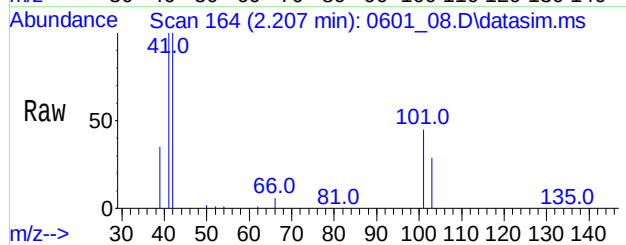
#57
m,p-Xylene
Conc: 8\$ 0.539 ppbv
RT: 11.206 min Scan# 1494
Delta R.T. -0.000 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

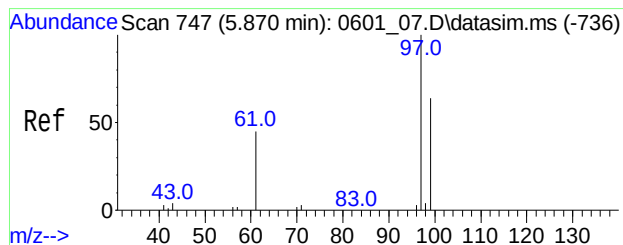
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	35940		
106	46.1	36.7	55.1	
105	20.5	16.9	25.3	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.442 ppbv
RT: 2.207 min Scan# 164
Delta R.T. 0.000 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

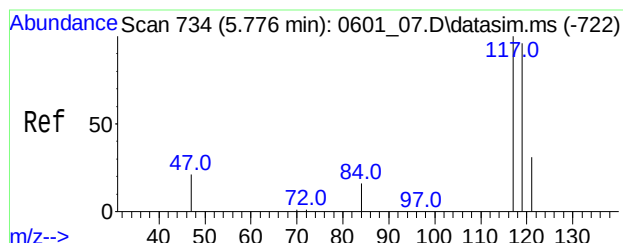
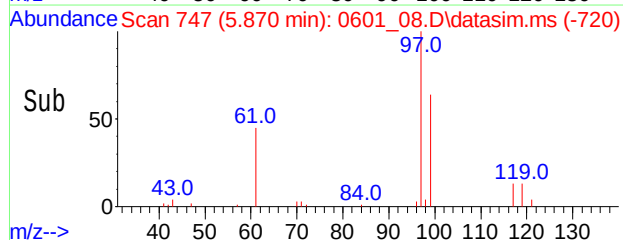
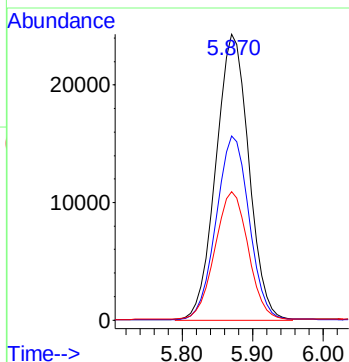
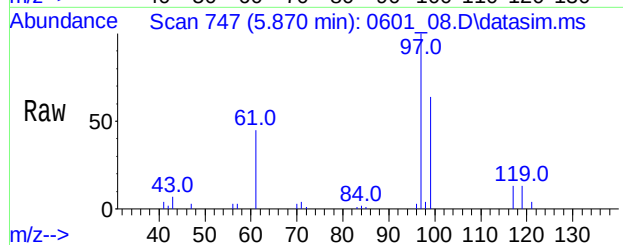
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	21287		
103	64.9	52.7	79.1	





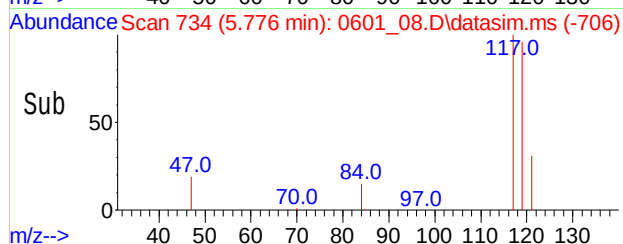
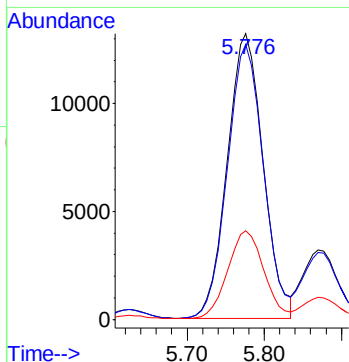
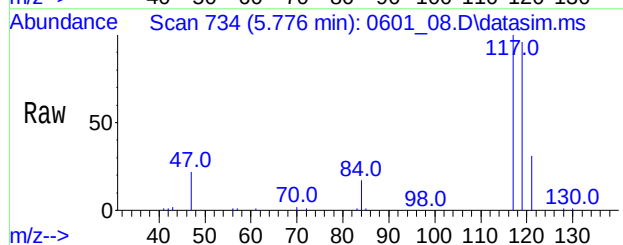
#85
1,1,1-Trichloroethane(sim)
Conc: 8\$ 1.848 ppbv
RT: 5.867 min Scan# 747
Delta R.T. -0.007 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

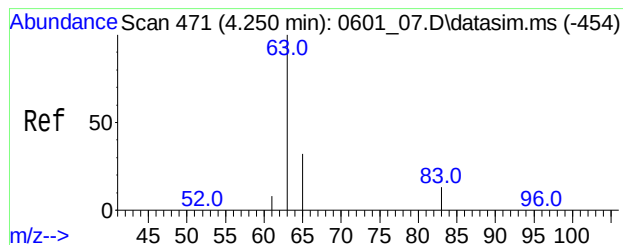
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	75079		
99	64.5	60.0	60.0	60.0
61	45.4	47.5	47.5	71.3



#86
Carbon Tetrachloride(sim)
Conc: 8\$ 1.082 ppbv
RT: 5.776 min Scan# 734
Delta R.T. 0.000 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

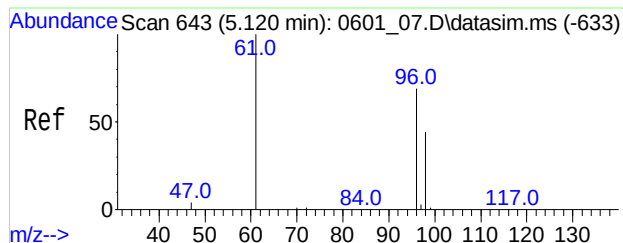
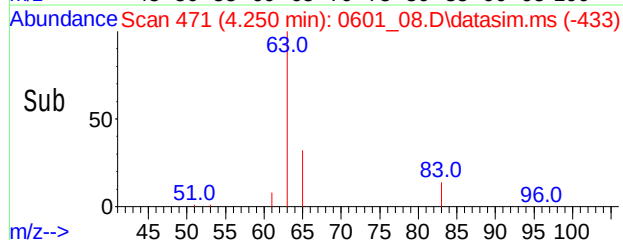
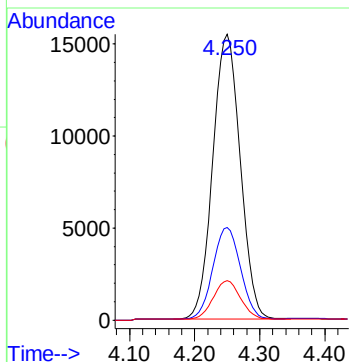
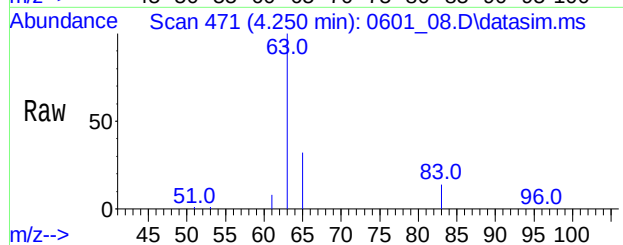
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42520		
119	96.6	76.6	76.6	115.0
121	31.0	24.6	24.6	36.8





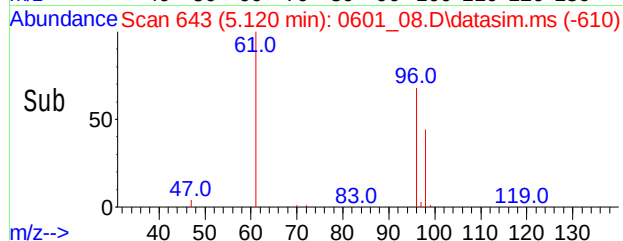
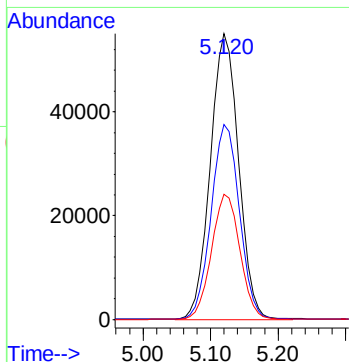
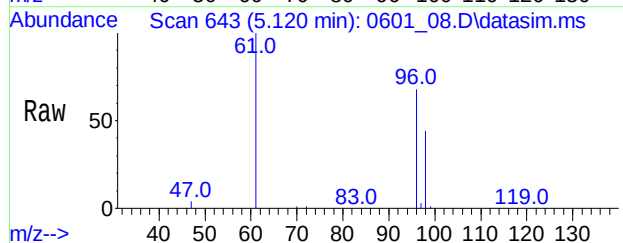
#90
1,1-Dichloroethane(sim)
Conc: 8\$ 1.236 ppbv
RT: 4.250 min Scan# 471
Delta R.T. 0.005 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

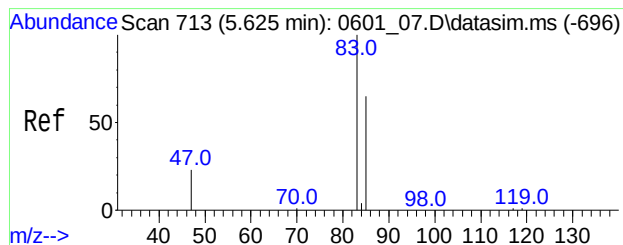
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	45274		
65	32.3	25.9	38.9	
83	13.4	10.8	16.2	



#91
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 5.470 ppbv
RT: 5.117 min Scan# 643
Delta R.T. -0.008 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

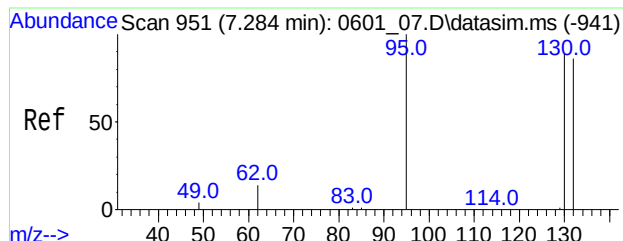
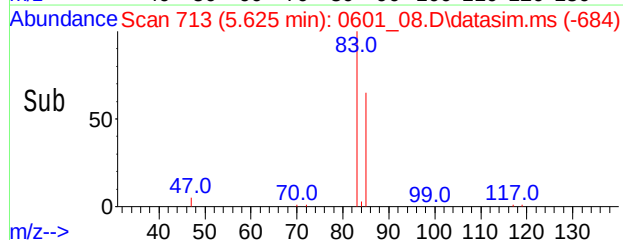
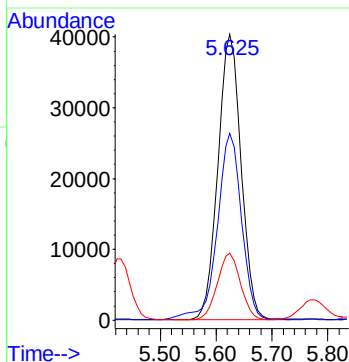
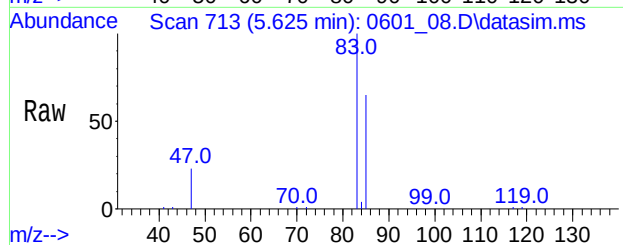
Tgt Ion	Ratio	Resp	Lower	Upper
61	100	151903		
96	69.0	58.4	87.6	
98	44.9	33.0	49.4	





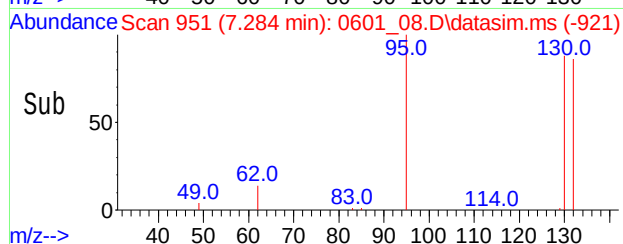
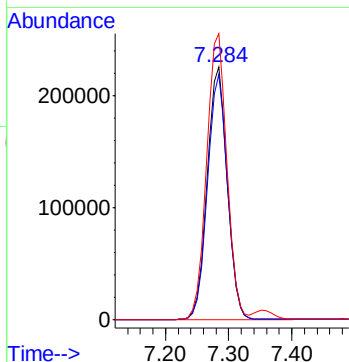
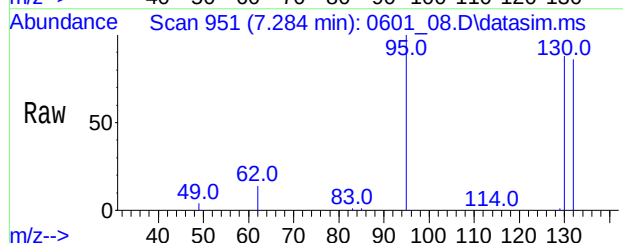
#92
Chloroform(sim)
Conc: 8\$ 2.658 ppbv
RT: 5.625 min Scan# 713
Delta R.T. 0.007 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

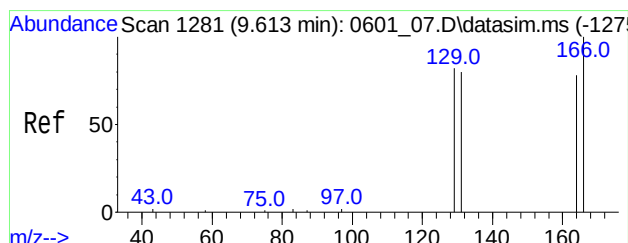
Tgt Ion: 83 Resp: 116139
Ion Ratio Lower Upper
83 100
85 68.2 52.6 78.8
47 23.2 19.3 28.9



#97
Trichloroethene(sim)
Conc: 8\$ 18.677 ppbv
RT: 7.281 min Scan# 951
Delta R.T. 0.000 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

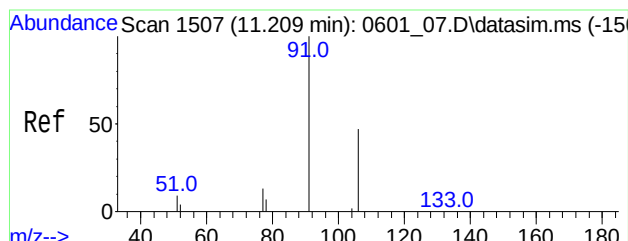
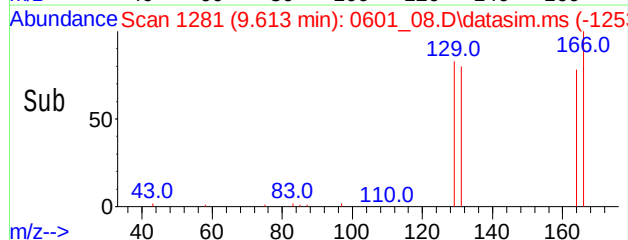
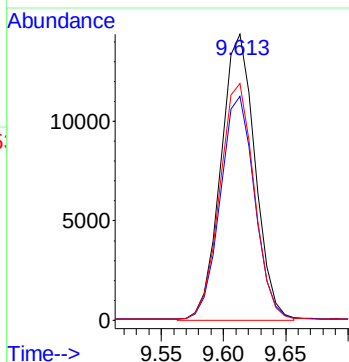
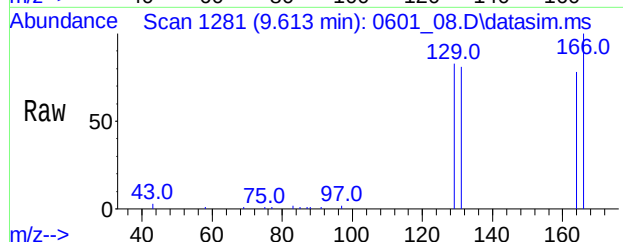
Tgt Ion: 130 Resp: 486899
Ion Ratio Lower Upper
130 100
132 97.1 74.3 111.5
95 112.6 89.6 134.4





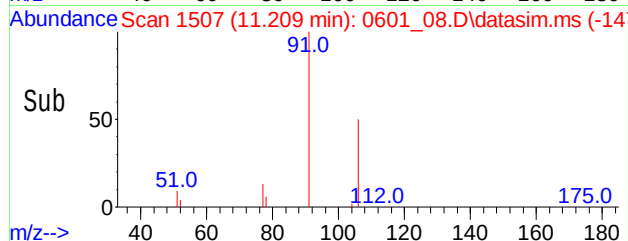
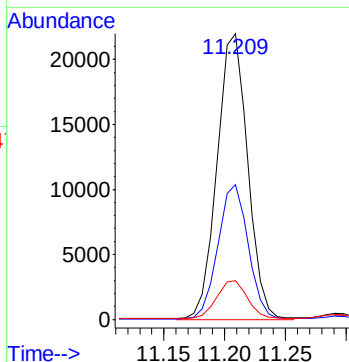
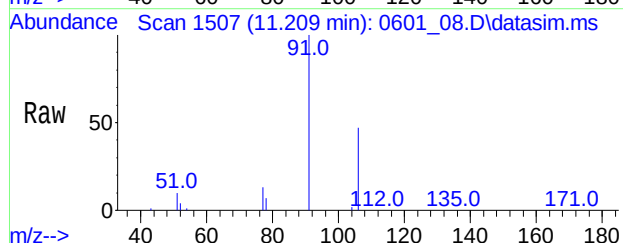
#103
Tetrachloroethene(sim)
Conc: 8\$ 0.866 ppbv
RT: 9.610 min Scan# 1281
Delta R.T. 0.000 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	27738		
164	78.1	56.3	96.3	
129	82.1	59.6	99.6	



#107
m,p-Xylene(sim)
Conc: 8\$ 0.506 ppbv
RT: 11.206 min Scan# 1507
Delta R.T. -0.000 min
Lab File: 0601_08.D
Acq: 1 Jun 2020 10:05 am

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	35940		
106	46.1	41.3	50.5	
77	13.4	11.6	17.4	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	CG03912 LCS
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03912 LCS</u>	
Canister:	<u>LCS</u>	Lab File ID:	<u>0601_07.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>06/01/20</u>
Purge Volume	<u>200</u>	(cc)	Date Analyzed:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	13.4		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	11.6		0.202	0.202	r
74-87-3	Chloromethane	10.6		0.485	0.485	r
76-14-2	1,2-Dichlorotetrafluoroethane	9.58		0.143	0.143	r
75-01-4	Vinyl Chloride	8.31		0.078	0.078	r
106-99-0	1,3-Butadiene	8.65		0.452	0.452	r
74-83-9	Bromomethane	9.55		0.258	0.258	r
75-00-3	Chloroethane	8.25		0.379	0.379	r
64-17-5	Ethanol	7.50		0.531	0.531	r
67-64-1	Acetone	9.27		0.421	0.421	r
75-69-4	Trichlorofluoromethane	10.1		0.178	0.178	r
67-63-0	Isopropylalcohol	8.36		0.407	0.407	r
107-13-1	Acrylonitrile	7.96		0.461	0.461	r
75-35-4	1,1-Dichloroethene	8.91		0.051	0.051	r
75-09-2	Methylene Chloride	8.88		0.864	0.864	r
75-15-0	Carbon Disulfide	8.85		0.321	0.321	r
76-13-1	Trichlorotrifluoroethane	9.43		0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene	8.76		0.252	0.252	r
75-34-3	1,1-Dichloroethane	8.74		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	9.57		0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	9.08		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	8.25		0.051	0.051	r
110-54-3	Hexane	8.36		0.284	0.284	r
67-66-3	Chloroform	9.49		0.205	0.205	r
141-78-6	Ethyl acetate	8.67		0.278	0.278	r
109-99-9	Tetrahydrofuran	16.0		0.339	0.339	r
107-06-2	1,2-Dichloroethane	11.0		0.247	0.247	r
71-55-6	1,1,1-Trichloroethane	11.8		0.183	0.183	r
71-43-2	Benzene	13.1		0.313	0.313	r
56-23-5	Carbon Tetrachloride	10.8		0.032	0.032	r
110-82-7	Cyclohexane	12.1		0.291	0.291	r
78-87-5	1,2-dichloropropane	10.0		0.217	0.217	r
75-27-4	Bromodichloromethane	9.11		0.149	0.149	r
79-01-6	Trichloroethene	9.75		0.037	0.037	r
123-91-1	1,4-Dioxane	9.94		0.278	0.278	r
142-82-5	Heptane	10.8		0.244	0.244	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03912 LCS

Canister: LCS Lab File ID: 0601_07.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

CG03912 LCS

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
10061-01-5	cis-1,3-Dichloropropene	9.99		0.220	0.220	r
108-10-1	4-Methyl-2-pentanone(MIBK)	11.2		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	10.5		0.220	0.220	r
79-00-5	1,1,2-Trichloroethane	9.98		0.183	0.183	r
108-88-3	Toluene	10.6		0.266	0.266	r
124-48-1	Dibromochloromethane	9.46		0.117	0.117	r
591-78-6	2-Hexanone(MBK)	11.3		0.244	0.244	r
106-93-4	1,2-Dibromoethane(EDB)	10.5		0.130	0.130	r
127-18-4	Tetrachloroethene	8.92		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	9.41		0.146	0.146	r
108-90-7	Chlorobenzene	9.89		0.217	0.217	r
100-41-4	Ethylbenzene	11.7		0.230	0.230	r
179601-23-1	m,p-Xylene	23.1		0.230	0.230	r
75-25-2	Bromoform	8.68		0.097	0.097	r
100-42-5	Styrene	11.8		0.235	0.235	r
79-34-5	1,1,2,2-Tetrachloroethane	10.4		0.146	0.146	r
95-47-6	o-Xylene	10.9		0.230	0.230	r
98-82-8	Isopropylbenzene	10.3		0.204	0.204	r
622-96-8	4-Ethyltoluene	11.3		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	10.7		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	11.0		0.204	0.204	r
100-44-7	Benzyl chloride	10.0		0.193	0.193	r
541-73-1	1,3-Dichlorobenzene	9.72		0.166	0.166	r
106-46-7	1,4-Dichlorobenzene	10.3		0.166	0.166	r
135-98-8	sec-Butylbenzene	11.0		0.182	0.182	r
99-87-6	4-Isopropyltoluene	11.1		0.182	0.182	r
95-50-1	1,2-Dichlorobenzene	10.2		0.166	0.166	r
104-51-8	n-Butylbenzene	11.2		0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene	7.49		0.135	0.135	r
87-68-3	Hexachlorobutadiene	7.11		0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_07.D
 Acq On : 1 Jun 2020 11:37 am
 Operator :
 Client ID : CG03912 LCS
 Lab ID : CG03912 LCS
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 01 13:18:30 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.769	130	596190	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.976	114	2329449	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1309366	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.775	130	628758	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.982	114	2659958	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1447470	10.000	ng	0.00

System Monitoring Compounds
 62) % Bromofluorobenzene 11.369 95 1833539 9.729 ppbv 0.00
 Spiked Amount 10.000 Range 70 - 130 Recovery = 97.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Propylene	3.371	41	694152	13.381	ppbv	98
3) Dichlorodifluoromethane	3.436	85	2389093	11.579	ppbv	100
4) Chloromethane	3.576	50	663336	10.555	ppbv	98
5) 1,2-Dichlorotetrafluor...	3.673	85	1729912	9.578	ppbv	94
6) Vinyl Chloride	3.770	62	605256	8.307	ppbv	98
7) 1,3-Butadiene	3.878	54	467331	8.645	ppbv	92
8) Bromomethane	4.104	94	611307	9.549	ppbv	99
9) Chloroethane	4.233	64	256826	8.254	ppbv	96
11) Ethanol	4.384	45	174757	7.500	ppbv	100
12) Acetone	4.718	43	1021382	9.269	ppbv	95
13) Trichlorofluoromethane	4.816	101	2148809	10.130	ppbv	99
14) Isopropylalcohol	4.913	45	1019545	8.363	ppbv	97
15) Acrylonitrile	5.042	53	362063	7.959	ppbv#	51
16) 1,1-Dichloroethene	5.266	61	1278915	8.913	ppbv	92
17) Methylene Chloride	5.352	49	681923	8.881	ppbv	98
20) Carbon Disulfide	5.559	76	1422972	8.847	ppbv	99
21) Trichlorotrifluoroethane	5.525	101	1307727	9.425	ppbv	97
22) Trans-1,2-Dichloroethene	5.983	61	952873	8.764	ppbv	93
23) 1,1-Dichloroethane	6.124	63	1134162	8.741	ppbv	99
24) Methyl tert-butyl ethe...	6.156	73	1692934	9.573	ppbv	96
25) Methyl Ethyl Ketone	6.385	43	1065178	9.079	ppbv	98
26) Cis-1,2-Dichloroethene	6.665	61	915552	8.249	ppbv	93
27) Hexane	6.780	57	791301	8.355	ppbv	98
28) Chloroform	6.853	83	1399013	9.493	ppbv	97
29) Ethyl acetate	6.801	61	210498	8.671	ppbv	99
30) Tetrahydrofuran	7.113	42	884049	15.981	ppbv	98
31) 1,2-Dichloroethane	7.322	62	1327121	11.014	ppbv#	95
32) 1,1,1-Trichloroethane	7.478	97	1823879	11.752	ppbv	97
33) Benzene	7.776	78	1757632	13.079	ppbv	99
34) Carbon Tetrachloride	7.865	117	1906968	10.767	ppbv	98
35) Cyclohexane	7.943	84	674263	12.058	ppbv	93
37) 1,2-dichloropropane	8.288	63	818937	10.023	ppbv	94
38) Bromodichloromethane	8.400	83	1686597	9.111	ppbv	98
39) Trichloroethene	8.422	130	878351	9.753	ppbv	99
41) 1,4-Dioxane	8.422	88	381679	9.944	ppbv	89
43) Heptane	8.567	43	1434833	10.835	ppbv	95
44) cis-1,3-Dichloropropene	8.934	75	1123984	9.990	ppbv	99
45) 4-Methyl-2-pentanone(M...	8.934	43	2099630	11.161	ppbv#	89
46) trans-1,3-Dichloropropene	9.229	75	1099124	10.483	ppbv	98
47) 1,1,2-Trichloroethane	9.345	97	807164	9.976	ppbv	96
48) Toluene	9.510	91	2277962	10.615	ppbv	99
49) Dibromochloromethane	9.763	129	1673929	9.456	ppbv	99
50) 2-Hexanone(MBK)	9.627	43	1902319	11.263	ppbv	91
51) 1,2-Dibromoethane(EDB)	9.908	107	1389622	10.475	ppbv	100

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_07.D
 Acq On : 1 Jun 2020 11:37 am
 Operator :
 Client ID : CG03912 LCS
 Lab ID : CG03912 LCS
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 01 13:18:30 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	Tetrachloroethene	10.161	166	1168597	8.916	ppbv	96
54)	1,1,1,2-Tetrachloroethane	10.528	131	1126853	9.410	ppbv	100
55)	Chlorobenzene	10.549	112	1891965	9.885	ppbv	96
56)	Ethylbenzene	10.744	91	3174474	11.707	ppbv	99
57)	m,p-Xylene	10.836	91	5226353	23.069	ppbv	98
58)	Bromoform	10.908	173	1622815	8.681	ppbv	98
59)	Styrene	11.041	104	1830271	11.812	ppbv	98
60)	1,1,2,2-Tetrachloroethane	11.102	83	1926215	10.396	ppbv	97
61)	o-Xylene	11.102	91	2769371	10.939	ppbv	96
64)	Isopropylbenzene	11.430	105	3541939	10.279	ppbv	98
66)	4-Ethyltoluene	11.810	105	3972588	11.250	ppbv	97
67)	1,3,5-Trimethylbenzene	11.851	105	3455177	10.733	ppbv	97
68)	1,2,4-Trimethylbenzene	12.107	105	3523119	10.954	ppbv	98
70)	Benzyl chloride	12.200	91	2693279	10.006	ppbv	98
71)	1,3-Dichlorobenzene	12.210	146	2300122	9.718	ppbv	98
72)	1,4-Dichlorobenzene	12.251	146	2200570	10.269	ppbv	98
73)	sec-Butylbenzene	12.107	105	3523119	10.954	ppbv	99
74)	4-Isopropyltoluene	12.354	119	4492093	11.045	ppbv	98
75)	1,2-Dichlorobenzene	12.477	146	2327745	10.198	ppbv	97
76)	n-Butylbenzene	12.620	91	3994996	11.192	ppbv	99
77)	1,2,4-Trichlorobenzene	13.616	180	1338719	7.490	ppbv	96
79)	Hexachlorobutadiene	13.944	225	1758318	7.108	ppbv	99
81)	1,2-Dichlorotetrafluor...	3.673	85	1727449	9.200	ppbv	94
82)	Vinyl Chloride(sim)	3.765	62	676561	8.237	ppbv	99
83)	Bromomethane(sim)	4.104	94	611307	8.730	ppbv	99
84)	Trichlorofluoromethane...	4.821	101	2315129	9.932	ppbv#	100
85)	1,2-Dichloroethane(sim)	7.322	62	1327121	10.749	ppbv#	95
86)	1,1,1-Trichloroethane(...)	7.483	97	2096607	11.875	ppbv#	97
87)	Carbon Tetrachloride(sim)	7.865	117	1906920	10.707	ppbv	98
88)	1,1-Dichloroethene(sim)	5.272	61	1276857	8.322	ppbv	94
89)	Trichlorotrifluoroetha...	5.525	101	1307727	8.939	ppbv#	98
90)	Trans-1,2-Dichloroethe...	5.988	61	1048095	8.613	ppbv	91
91)	1,1-Dichloroethane(sim)	6.124	63	1135174	8.001	ppbv	99
92)	Cis-1,2-Dichloroethene...	6.660	61	927379	8.344	ppbv	91
93)	Chloroform(sim)	6.853	83	1399138	8.553	ppbv	97
95)	1,2-dichloropropane(sim)	8.288	63	818937	9.164	ppbv	94
96)	Bromodichloromethane(sim)	8.405	83	1900526	9.020	ppbv	98
97)	Trichloroethene(sim)	8.422	130	878623	9.400	ppbv	99
98)	1,4-Dioxane(sim)	8.427	88	419880	11.429	ppbv	90
99)	cis-1,3-Dichloropropen...	8.934	75	1125189	11.266	ppbv	99
100)	1,1,2-Trichloroethane(...)	9.351	97	926691	9.904	ppbv	98
101)	Dibromochloromethane(sim)	9.763	129	1673912	9.722	ppbv	99
102)	1,2-Dibromoethane(EDB)...	9.914	107	1566917	11.280	ppbv	100
103)	Tetrachloroethene(sim)	10.161	166	1168597	8.652	ppbv	96
105)	Bromoform(sim)	10.908	173	1622716	8.774	ppbv	98
106)	m,p-Xylene(sim)	10.841	91	5780020	25.318	ppbv	99
107)	1,1,2,2-Tetrachloroeth...	11.102	83	1926215	10.067	ppbv	97
110)	Benzyl chloride(sim)	12.195	91	3003542	7.337	ppbv	97
111)	1,3-Dichlorobenzene(sim)	12.210	146	2300122	10.511	ppbv	98
112)	1,4-Dichlorobenzene(sim)	12.257	146	2572521	12.528	ppbv	97
113)	sec-Butylbenzene(sim)	12.107	105	3523021	6.923	ppbv	99
114)	4-Isopropyltoluene(sim)	12.359	119	4906665	6.971	ppbv	98
115)	1,2-Dichlorobenzene(sim)	12.477	146	2327475	10.796	ppbv	97
116)	n-Butylbenzene(sim)	12.626	91	4419596	7.003	ppbv	99
117)	1,2,4-Trichlorobenzene...	13.616	180	1339153	8.539	ppbv	96
119)	Hexachlorobutadiene(sim)	13.944	225	1758035	6.465	ppbv	99

Data Path : H:\AIR2020\CHEM20\06JUN\01\
Data File : 0601_07.D
Acq On : 1 Jun 2020 11:37 am
Operator :
Client ID : CG03912 LCS
Lab ID : CG03912 LCS
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 01 13:18:30 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Wed May 27 10:44:12 2020
Response via : Initial Calibration

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

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

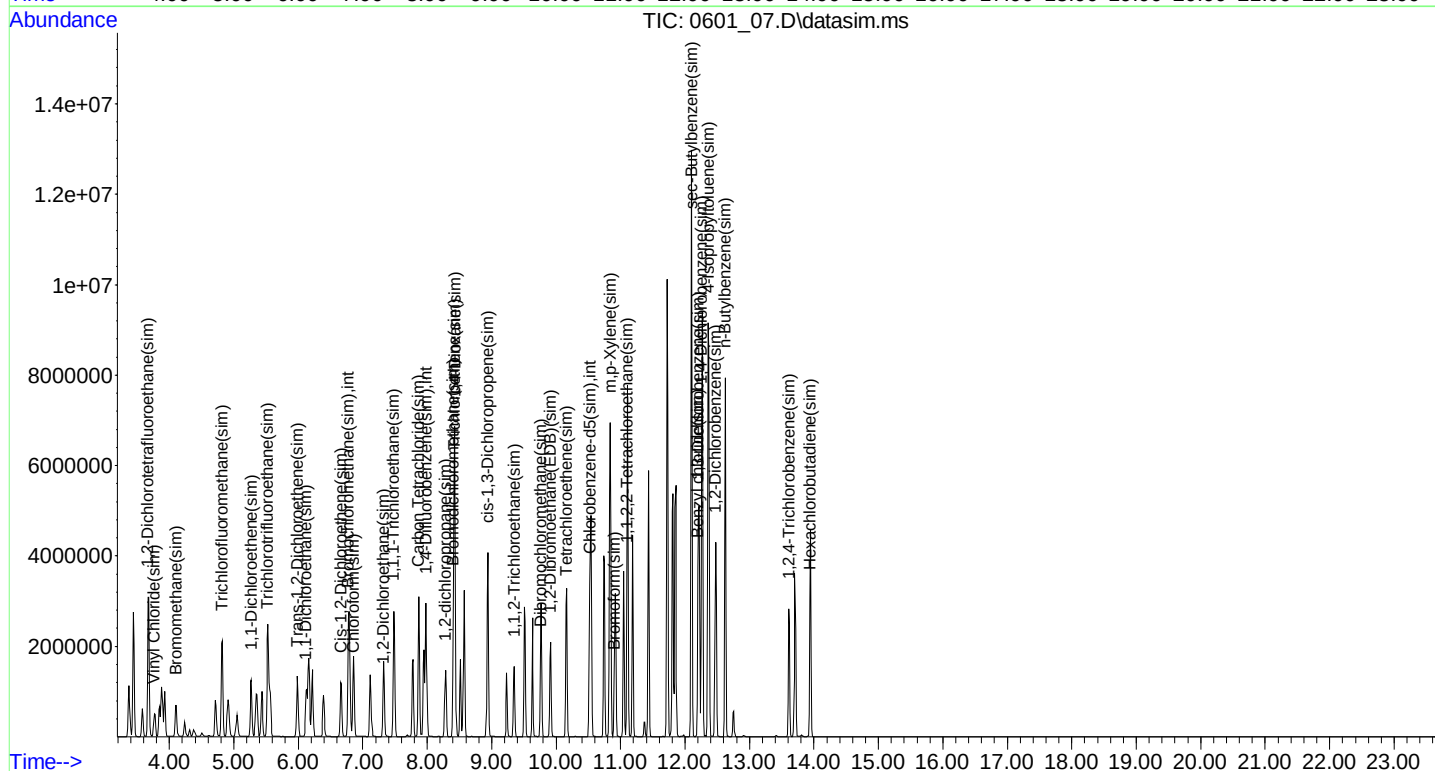
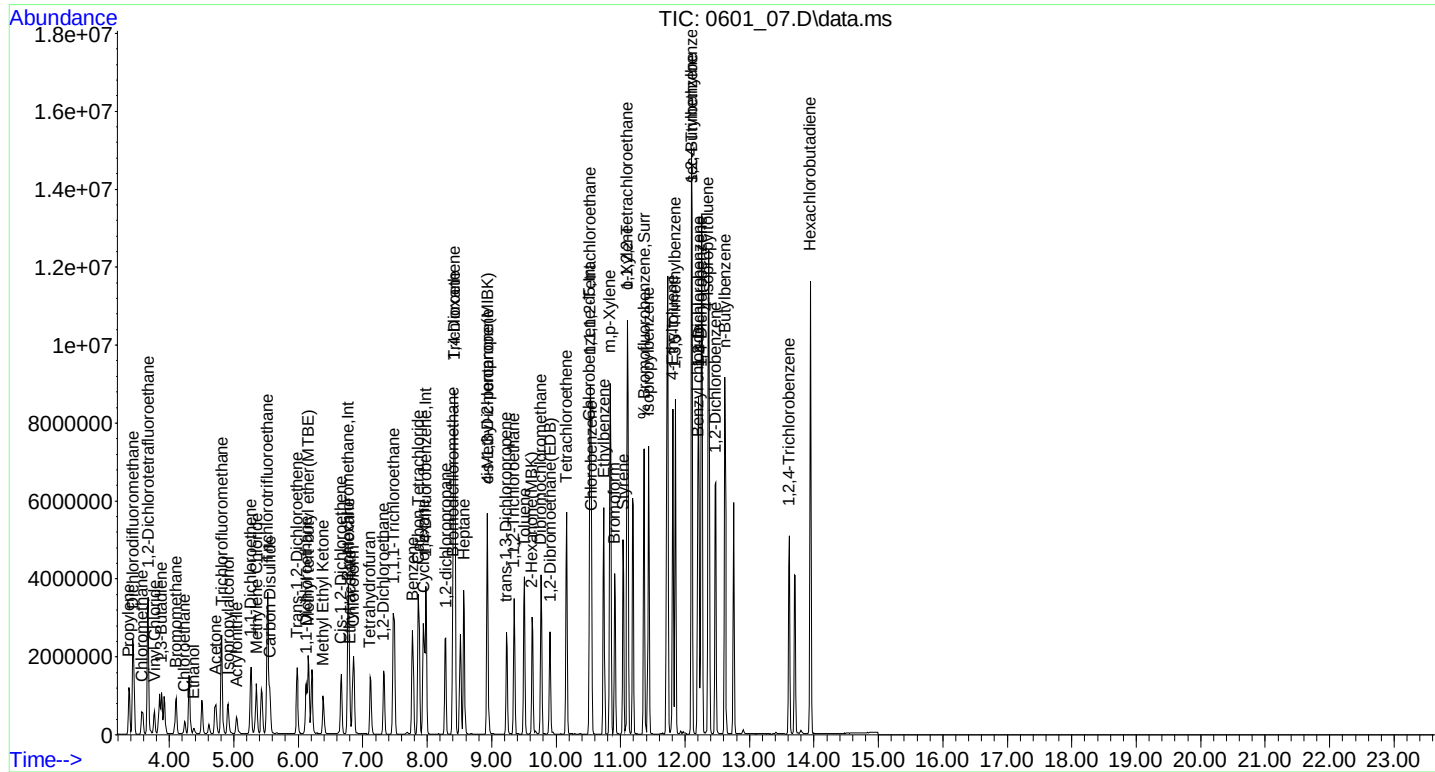
(QT Reviewed)

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Data Path   : H:\AIR2020\CHEM20\06JUN\01\
Data File   : 0601_07.D
Acq On      : 1 Jun 2020 11:37 am
Operator    :
Client ID   : CG03912 LCS
Lab ID      : CG03912 LCS
ALS Vial    : 4 Sample Multiplier: 1

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Quant Time: Jun 01 13:18:30 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed May 27 10:44:12 2020
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03912 BL

Canister: BL Lab File ID: 0601_09.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/01/20

Matrix: AIR Dilution Factor: 1

CG03912 BLANK

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.580	U	0.580	0.580	r
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
74-87-3	Chloromethane	0.480	U	0.480	0.480	r
106-99-0	1,3-Butadiene	0.450	U	0.450	0.450	r
75-00-3	Chloroethane	0.380	U	0.380	0.380	r
64-17-5	Ethanol	0.530	U	0.530	0.530	r
67-64-1	Acetone	0.420	U	0.420	0.420	r
67-63-0	Isopropylalcohol	0.410	U	0.410	0.410	r
107-13-1	Acrylonitrile	0.460	U	0.460	0.460	r
75-09-2	Methylene Chloride	0.860	U	0.860	0.860	r
75-15-0	Carbon Disulfide	0.320	U	0.320	0.320	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.280	U	0.280	0.280	r
78-93-3	Methyl Ethyl Ketone	0.340	U	0.340	0.340	r
110-54-3	Hexane	0.280	U	0.280	0.280	r
141-78-6	Ethyl acetate	0.280	U	0.280	0.280	r
109-99-9	Tetrahydrofuran	0.340	U	0.340	0.340	r
71-43-2	Benzene	0.310	U	0.310	0.310	r
110-82-7	Cyclohexane	0.290	U	0.290	0.290	r
142-82-5	Heptane	0.240	U	0.240	0.240	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.240	U	0.240	0.240	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.270	U	0.270	0.270	r
591-78-6	2-Hexanone(MBK)	0.240	U	0.240	0.240	r
630-20-6	1,1,1,2-Tetrachloroethane	0.150	U	0.150	0.150	r
108-90-7	Chlorobenzene	0.220	U	0.220	0.220	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.230	U	0.230	0.230	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.200	U	0.200	0.200	r
622-96-8	4-Ethyltoluene	0.200	U	0.200	0.200	r
108-67-8	1,3,5-Trimethylbenzene	0.200	U	0.200	0.200	r
95-63-6	1,2,4-Trimethylbenzene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.140	U	0.140	0.140	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.260	U	0.260	0.260	r
75-69-4	Trichlorofluoromethane(sim)	0.180	U	0.180	0.180	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	CG03912 BLANK
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03912 BL</u>	
Canister:	<u>BL</u>	Lab File ID:	<u>0601_09.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
107-06-2	1,2-Dichloroethane(sim)	0.250	U	0.250	0.250	r
71-55-6	1,1,1-Trichloroethane(sim)	0.180	U	0.180	0.180	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
76-13-1	Trichlorotrifluoroethane(sim)	0.130	U	0.130	0.130	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.250	U	0.250	0.250	r
75-34-3	1,1-Dichloroethane(sim)	0.250	U	0.250	0.250	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.256	U	0.256	0.256	r
67-66-3	Chloroform(sim)	0.200	U	0.200	0.200	r
78-87-5	1,2-dichloropropane(sim)	0.220	U	0.220	0.220	r
75-27-4	Bromodichloromethane(sim)	0.150	U	0.150	0.150	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.280	U	0.280	0.280	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.180	U	0.180	0.180	r
124-48-1	Dibromochloromethane(sim)	0.120	U	0.120	0.120	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.150	U	0.150	0.150	r
100-44-7	Benzyl chloride(sim)	0.190	U	0.190	0.190	r
541-73-1	1,3-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
106-46-7	1,4-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
135-98-8	sec-Butylbenzene(sim)	0.180	U	0.180	0.180	r
99-87-6	4-Isopropyltoluene(sim)	0.180	U	0.180	0.180	r
95-50-1	1,2-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
104-51-8	n-Butylbenzene(sim)	0.180	U	0.180	0.180	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.130	U	0.130	0.130	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
Data File : 0601_09.D
Acq On : 1 Jun 2020 12:46 pm
Operator :
Client ID : CG03912 BLANK
Lab ID : CG03912 BLANK
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 01 13:18:39 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Wed May 27 10:44:12 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.780	130	606765	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.976	114	2243949	10.000	ng	-0.01
53) Chlorobenzene-d5	10.518	82	1172997	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.785	130	633517	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.982	114	2575887	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.524	82	1306070	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1590065	9.418	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	94.20%

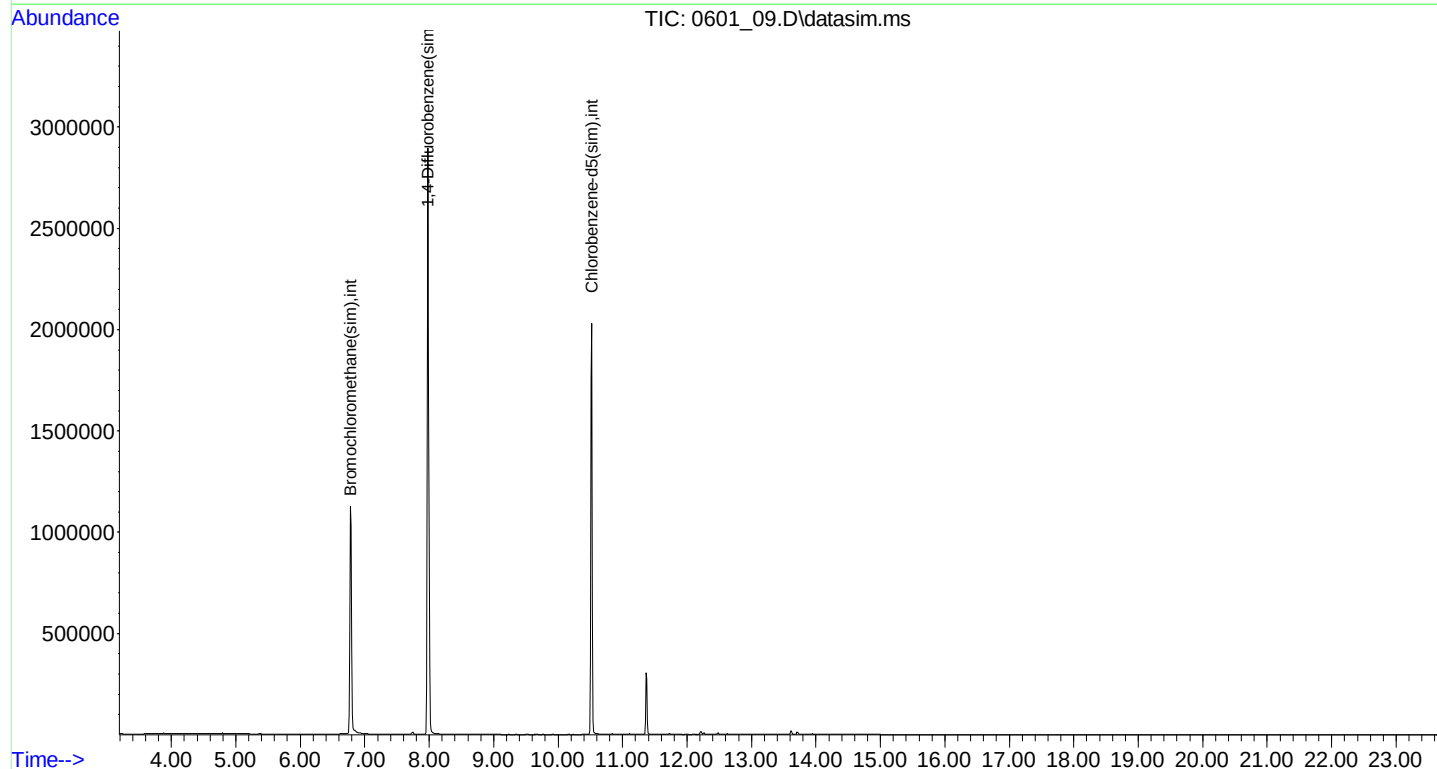
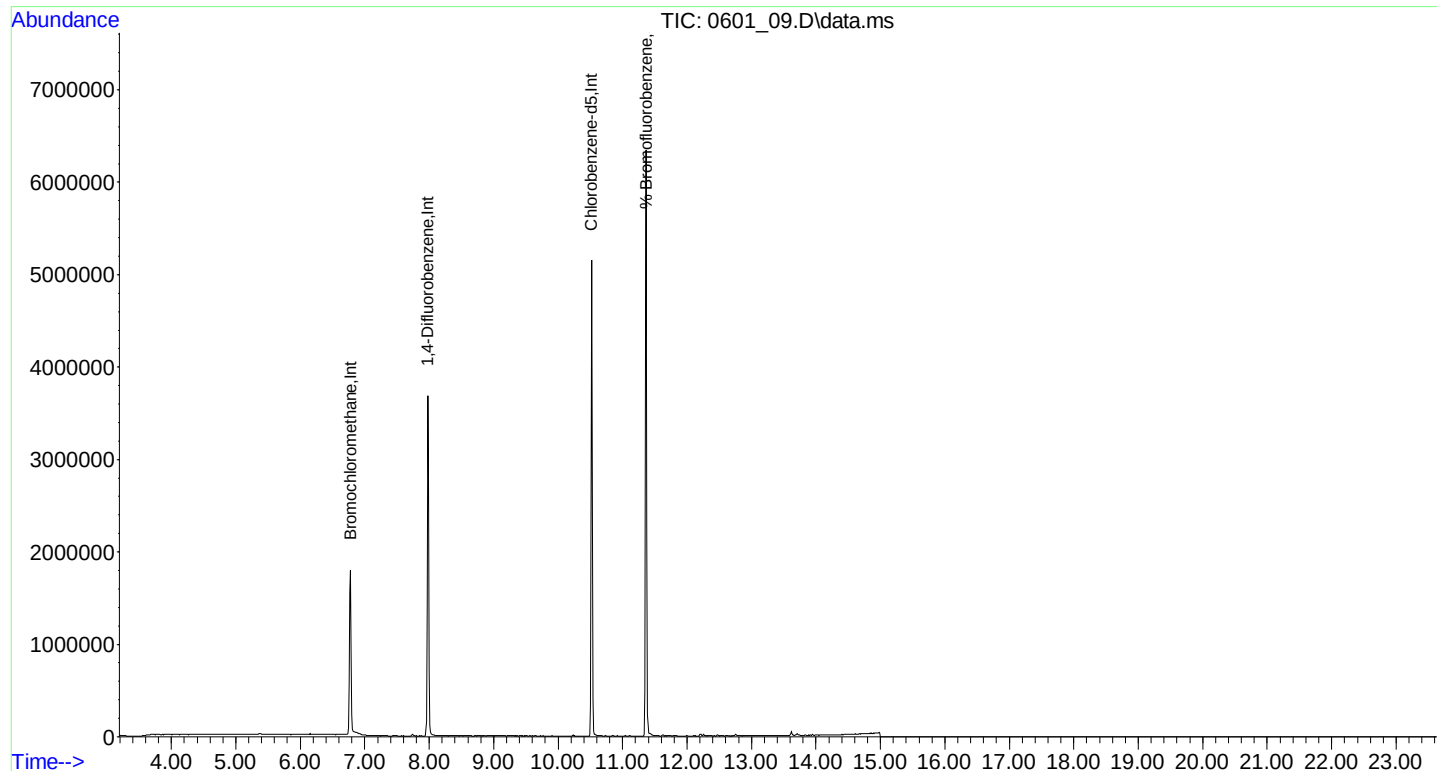
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_09.D
 Acq On : 1 Jun 2020 12:46 pm
 Operator :
 Client ID : CG03912 BLANK
 Lab ID : CG03912 BLANK
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 01 13:18:39 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

BLOWER-3D DUP

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03912 DUP</u>
Canister:	<u>13634</u>	Lab File ID:	<u>0601_21.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
		Date Received:	<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	5.65		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.832		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	25.5	S	0.531	0.531	r
67-64-1	Acetone	241	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.975		0.178	0.178	r
67-63-0	Isopropylalcohol	2.38	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	2.58		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.388		0.291	0.291	r
79-01-6	Trichloroethene	1.97		0.037	0.037	r
142-82-5	Heptane	0.249		0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.343		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.556		0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

BLOWER-3D DUP

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CG03912 DUP
Canister:	13634	Lab File ID:	0601_21.D
Instrument:	CHEM20	Column:	RTX-1 60M
Purge Volume	200	(cc)	06/01/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.099		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.111		0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.074		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.326		0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_21.D
 Acq On : 1 Jun 2020 8:58 pm
 Operator :
 Client ID : BLOWER-3D DUP
 Lab ID : CG03912 DUP
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 02 08:24:36 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration

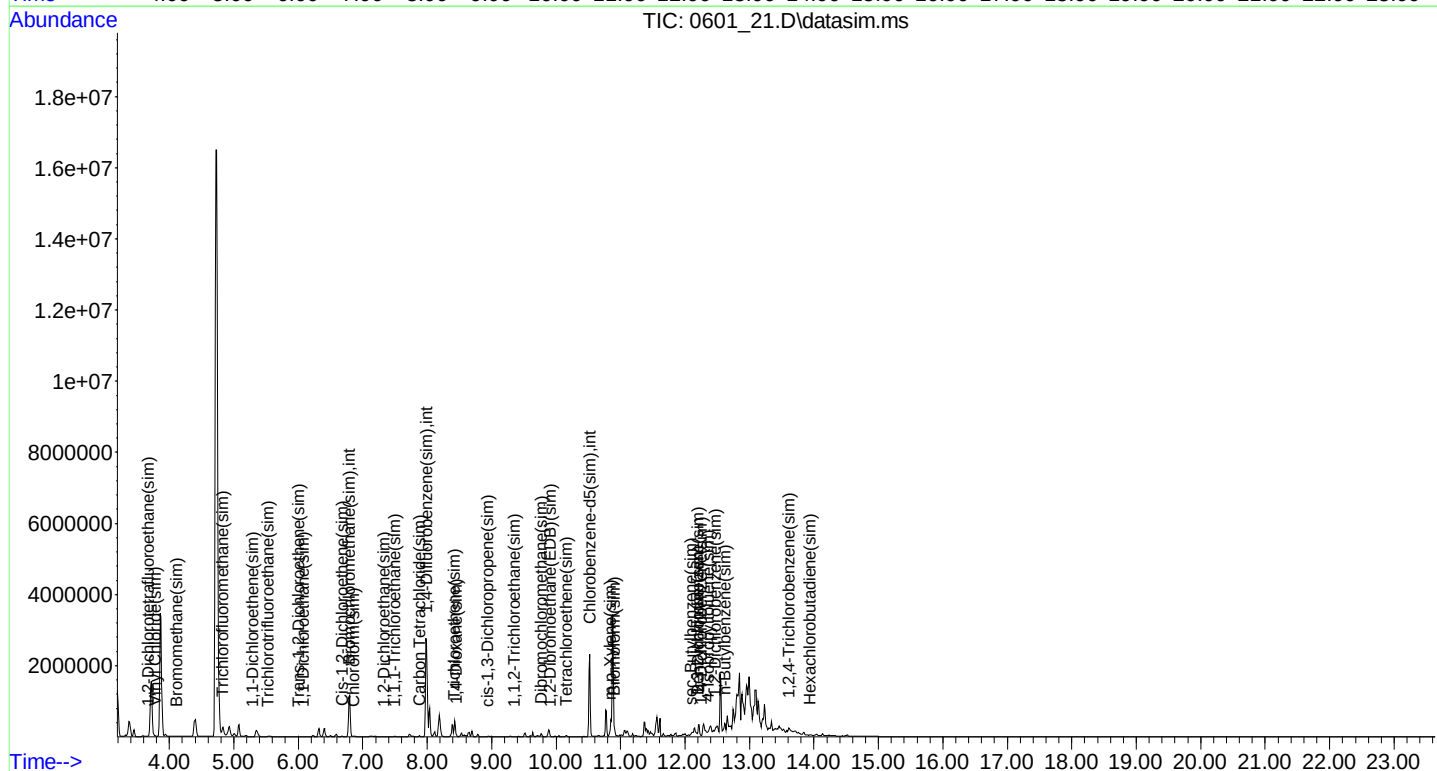
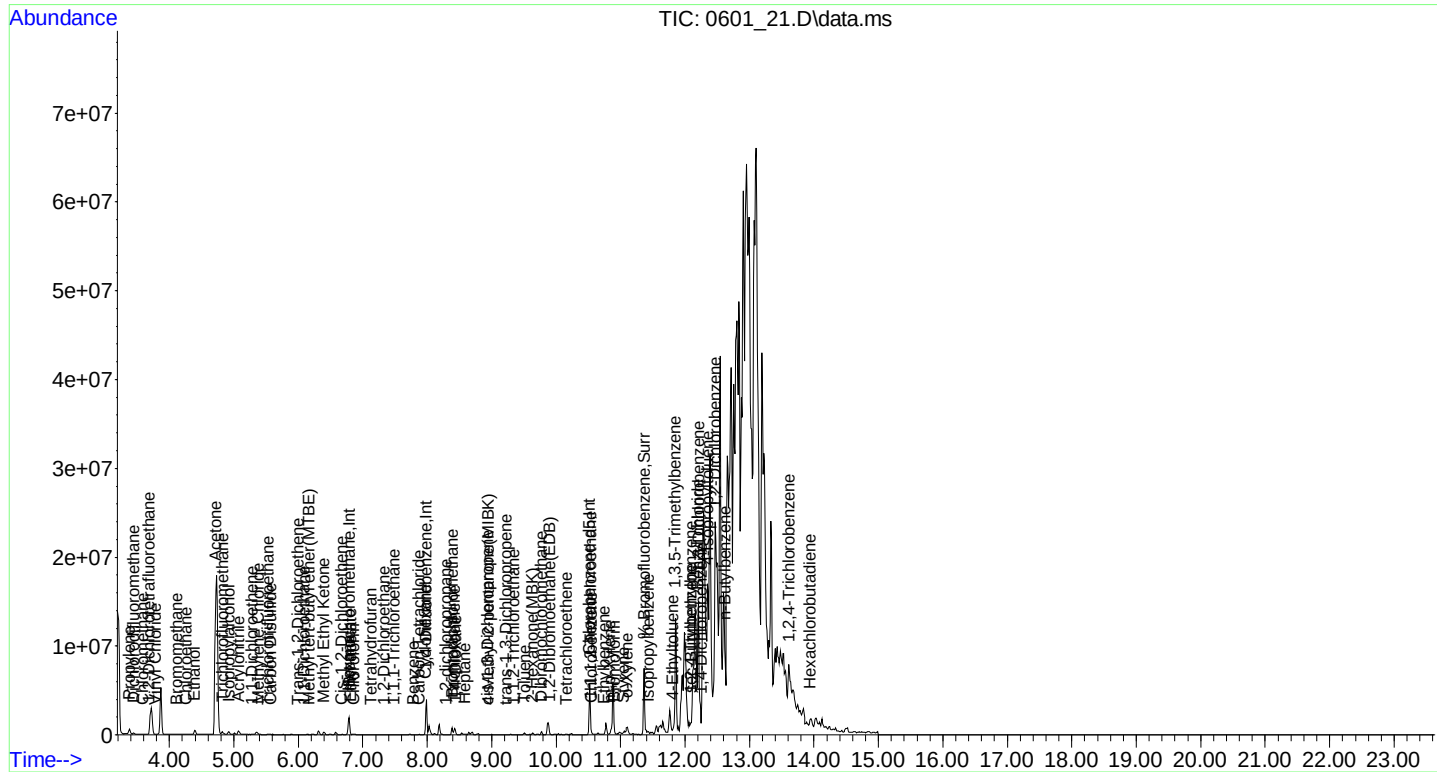
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.790	130	583319	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.988	114	2397792	10.000	ng	0.00
53) Chlorobenzene-d5	10.518	82	1335694	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.796	130	622043	10.000	ng	# 0.01
94) 1,4-Difluorobenzene(sim)	7.993	114	2720584	10.000	ng	0.01
104) Chlorobenzene-d5(sim)	10.524	82	1472977	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.369	95	1858124	9.666	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.70%
Target Compounds						
					Qvalue	
2) Propylene	3.382	41	286747	5.650	ppbv	97
3) Dichlorodifluoromethane	3.447	85	167895	0.832	ppbv	99
11) Ethanol	4.395	45	581337	25.499	ppbv	98
12) Acetone	4.719	43	25969459	240.879	ppbv#	85
13) Trichlorofluoromethane	4.826	101	202382	0.975	ppbv	98
14) Isopropylalcohol	4.923	45	284324	2.384	ppbv#	83
25) Methyl Ethyl Ketone	6.400	43	296427	2.582	ppbv	98
34) Carbon Tetrachloride	7.876	117	17463	0.101	ppbv	96
35) Cyclohexane	7.976	84	21252	0.388	ppbv#	8
39) Trichloroethene	8.422	130	182628	1.970	ppbv	98
43) Heptane	8.578	43	34001	0.249	ppbv#	86
48) Toluene	9.510	91	75731	0.343	ppbv	96
50) 2-Hexanone(MBK)	9.636	43	96613	0.556	ppbv#	95
52) Tetrachloroethene	10.161	166	10169	0.075	ppbv	95
57) m,p-Xylene	10.836	91	69961	0.303	ppbv	98
84) Trichlorofluoromethane...	4.832	101	218997	0.950	ppbv#	100
87) Carbon Tetrachloride(sim)	7.876	117	17463	0.099	ppbv	96
97) Trichloroethene(sim)	8.422	130	182628	1.910	ppbv	98
103) Tetrachloroethene(sim)	10.161	166	10169	0.074	ppbv	95
106] m,p-Xylene(sim)	10.841	91	75609	0.325	ppbv	99

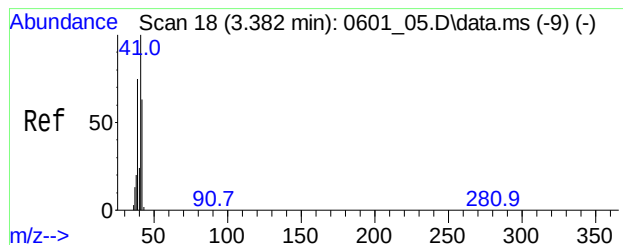
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\01\
 Data File : 0601_21.D
 Acq On : 1 Jun 2020 8:58 pm
 Operator :
 Client ID : BLOWER-3D DUP
 Lab ID : CG03912 DUP
 ALS Vial : 18 Sample Multiplier: 1

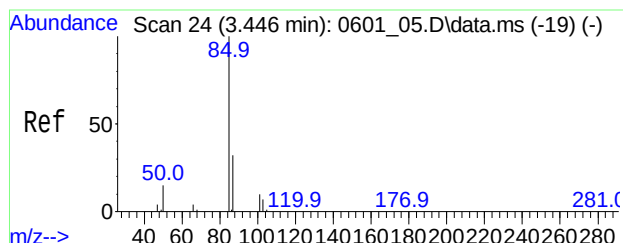
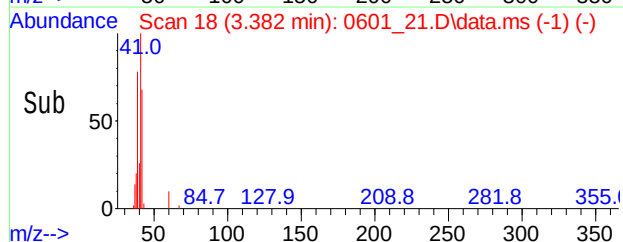
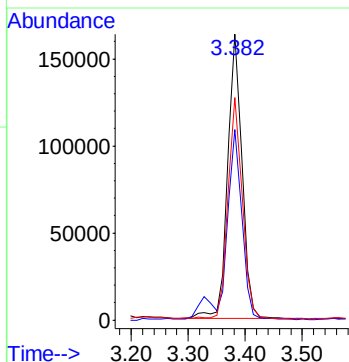
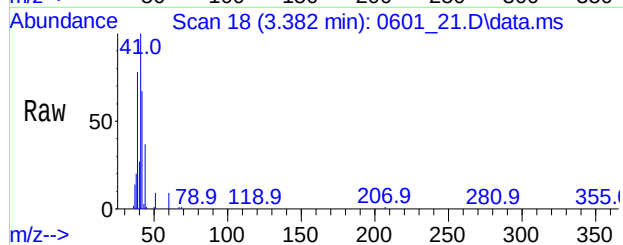
Quant Time: Jun 02 08:24:36 2020
 Quant Method : H:\AIR2020\CHEM20\Methods\20_AIR_0522.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed May 27 10:44:12 2020
 Response via : Initial Calibration





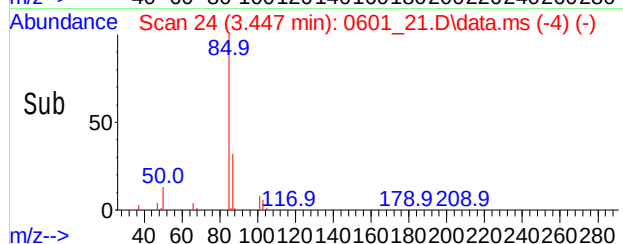
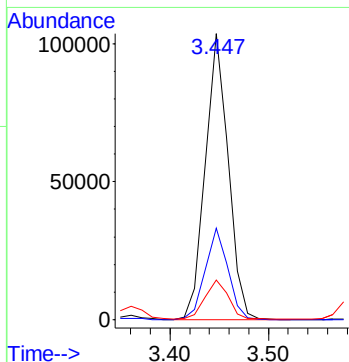
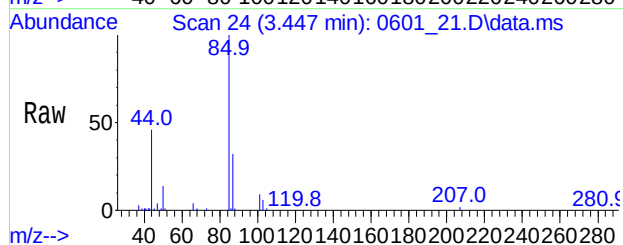
#2
Propylene
Conc: 8\$ 5.650 ppbv
RT: 3.382 min Scan# 18
Delta R.T. 0.011 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

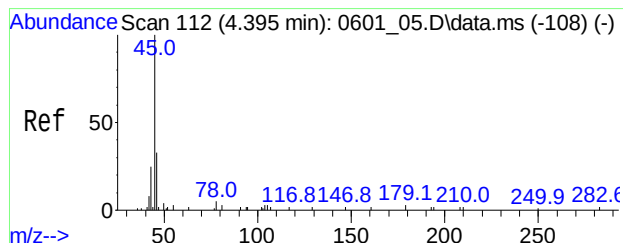
Tgt Ion	Ratio	Resp	Lower	Upper
41	100	286747		
42	64.0	53.3	79.9	
39	78.5	65.2	97.8	



#3
Dichlorodifluoromethane
Conc: 8\$ 0.832 ppbv
RT: 3.447 min Scan# 24
Delta R.T. 0.011 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

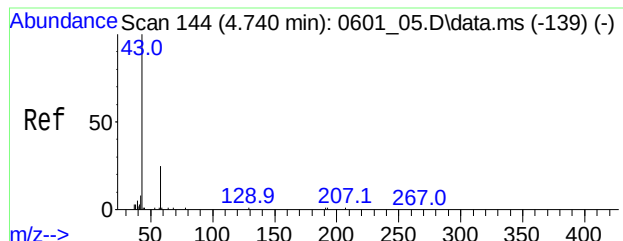
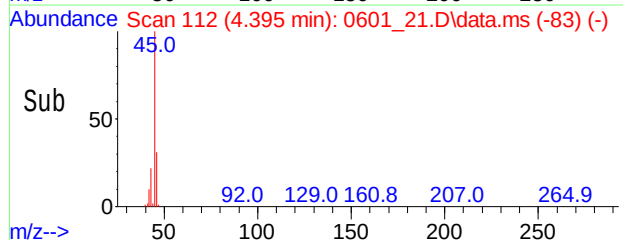
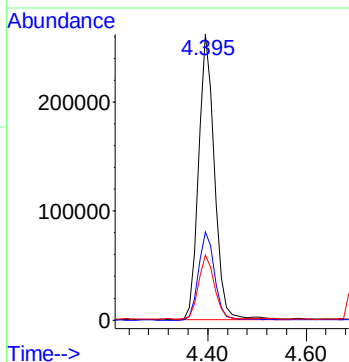
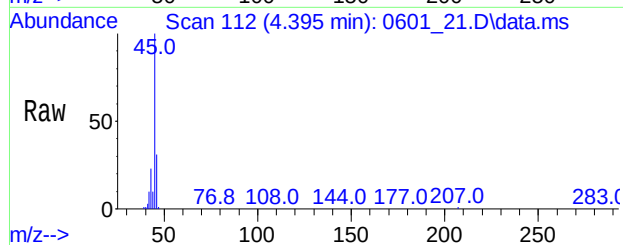
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	167895		
87	31.7	25.7	38.5	
50	13.8	11.0	16.6	





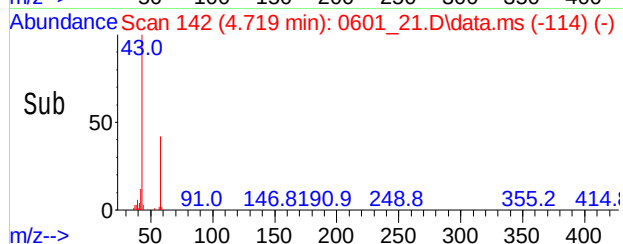
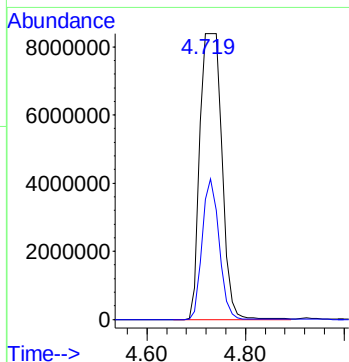
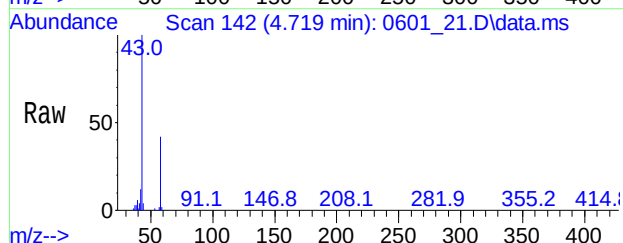
#11
Ethanol
Conc: 8\$ 25.499 ppbv
RT: 4.395 min Scan# 112
Delta R.T. 0.011 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

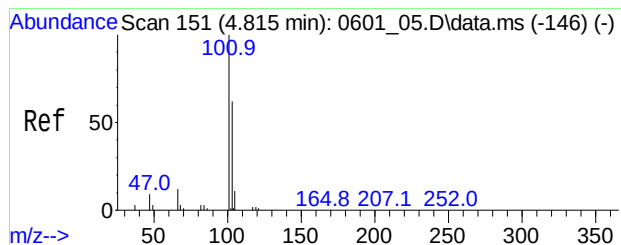
Tgt Ion	Ratio	Lower	Upper
45	100		
46	31.7	24.6	37.0
43	22.5	19.3	28.9



#12
Acetone
Conc: 8\$ 240.879 ppbv
RT: 4.719 min Scan# 142
Delta R.T. 0.000 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

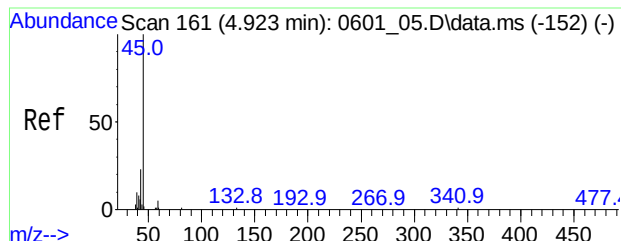
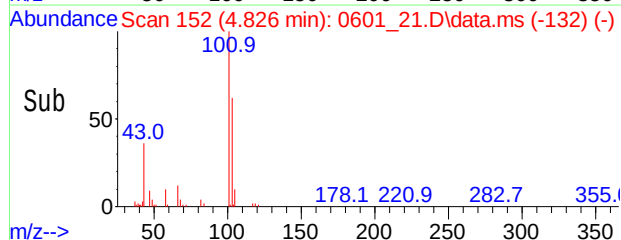
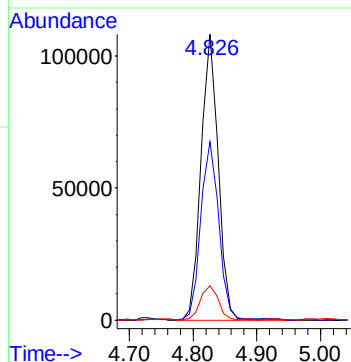
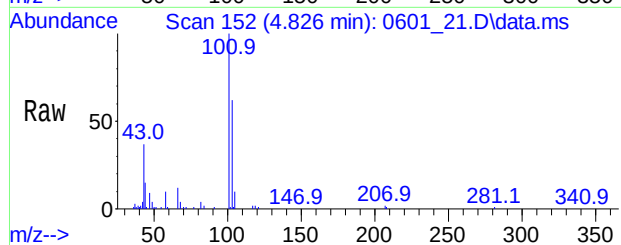
Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.0	23.8	35.8#





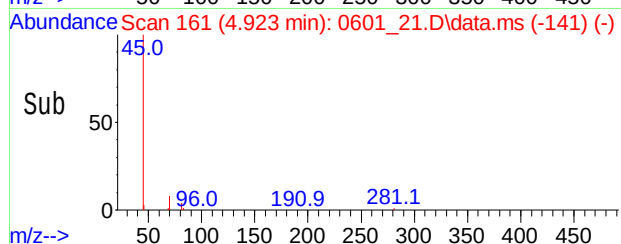
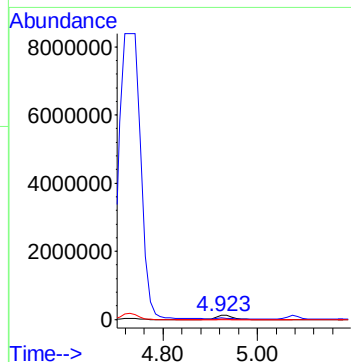
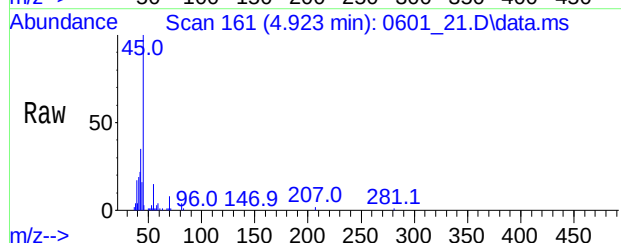
#13
Trichlorofluoromethane
Conc: 8\$ 0.975 ppbv
RT: 4.826 min Scan# 152
Delta R.T. 0.011 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

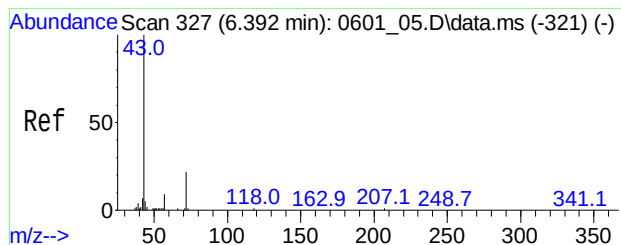
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	202382		
103	65.2	50.9	76.3	
66	13.0	10.0	15.0	



#14
Isopropylalcohol
Conc: 8\$ 2.384 ppbv
RT: 4.923 min Scan# 161
Delta R.T. 0.011 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

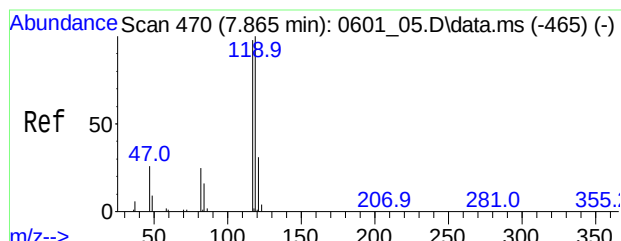
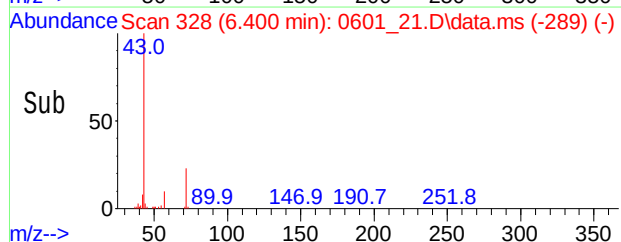
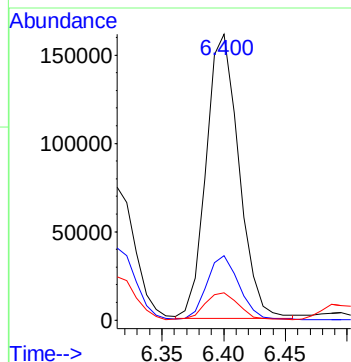
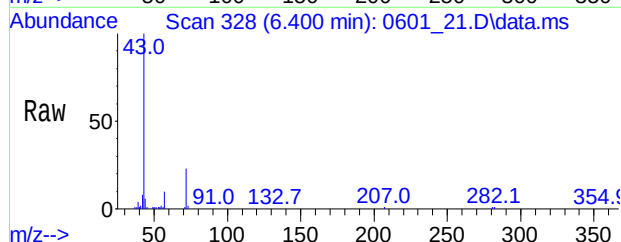
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	284324		
43	34.8	19.9	29.9#	
59	4.0	3.6	5.4	





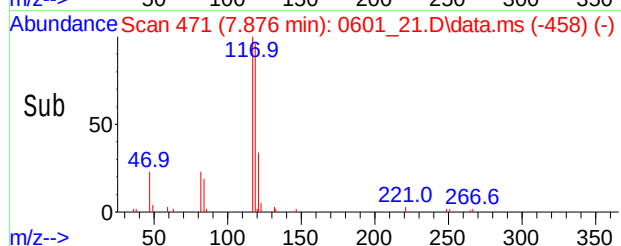
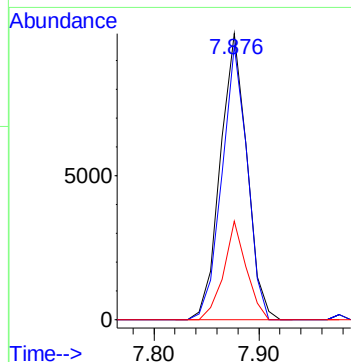
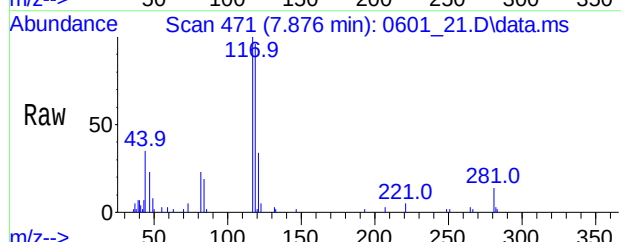
#25
Methyl Ethyl Ketone
Conc: 8\$ 2.582 ppbv
RT: 6.400 min Scan# 328
Delta R.T. 0.008 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

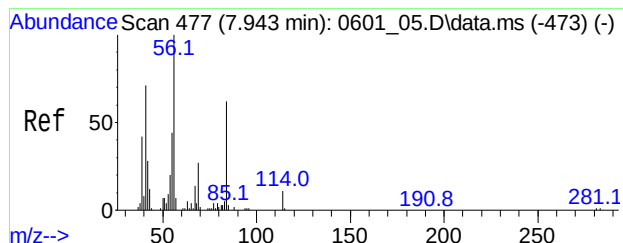
Tgt Ion: 43 Resp: 296427
Ion Ratio Lower Upper
43 100
72 22.4 19.0 28.4
57 10.2 8.6 12.8



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.876 min Scan# 471
Delta R.T. 0.000 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

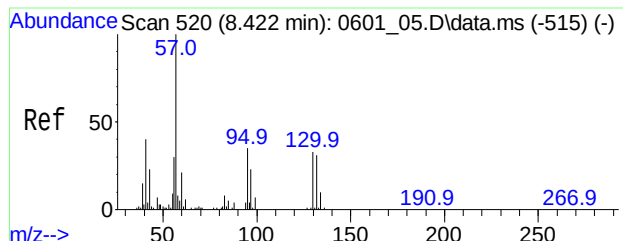
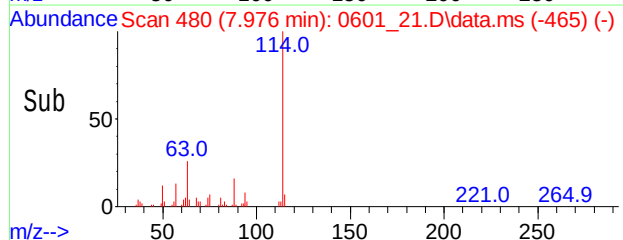
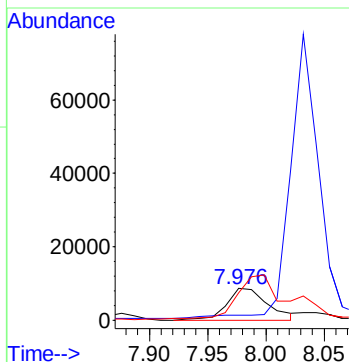
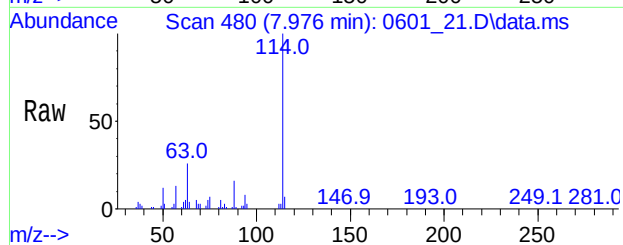
Tgt Ion: 117 Resp: 17463
Ion Ratio Lower Upper
117 100
119 90.8 75.6 115.6
121 29.3 10.3 50.3





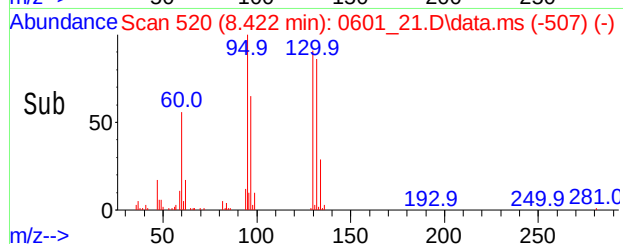
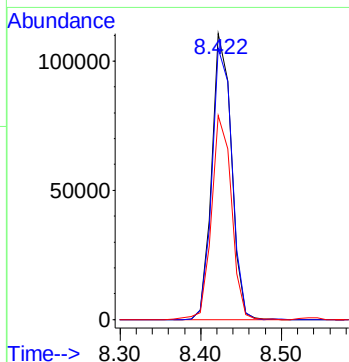
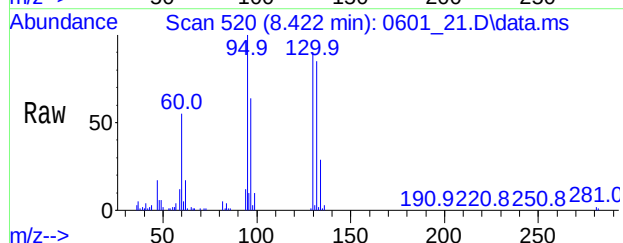
#35
Cyclohexane
Conc: 8\$ 0.388 ppbv
RT: 7.976 min Scan# 480
Delta R.T. 0.022 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

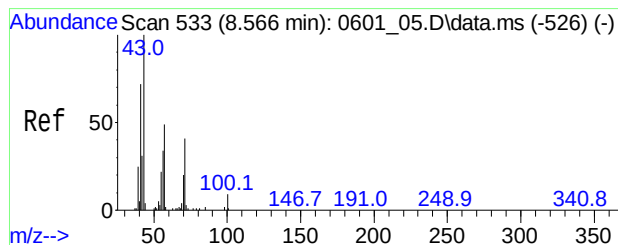
Tgt Ion	Ratio	Resp	Lower	Upper
84	100	21252		
41	0.0	90.3	135.5#	
55	140.1	62.2	93.4#	



#39
Trichloroethene
Conc: 8\$ 1.970 ppbv
RT: 8.422 min Scan# 520
Delta R.T. 0.000 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

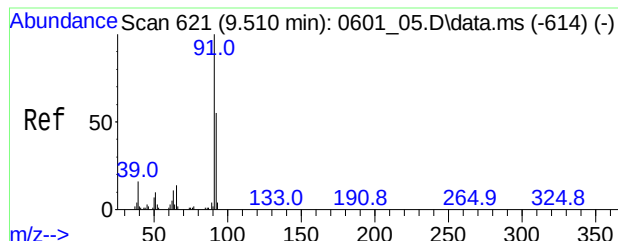
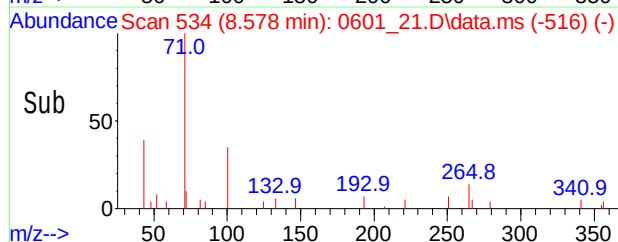
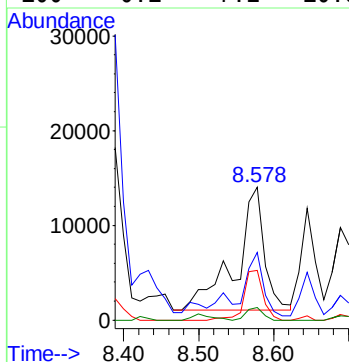
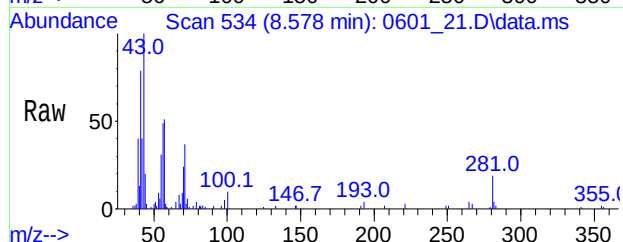
Tgt Ion	Ratio	Resp	Lower	Upper
130	100	182628		
132	97.2	80.6	121.0	
97	72.6	58.1	87.1	





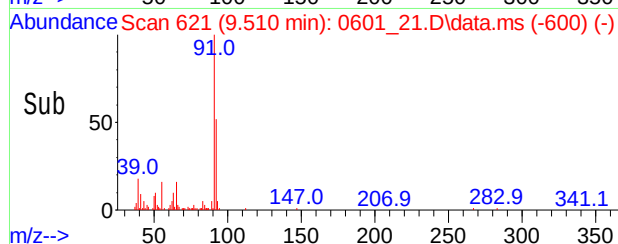
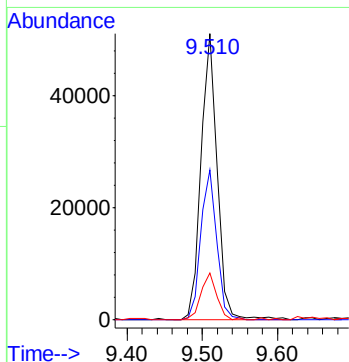
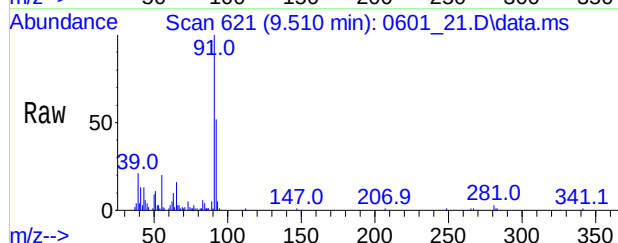
#43
Heptane
Conc: 8\$ 0.249 ppbv
RT: 8.578 min Scan# 534
Delta R.T. 0.000 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

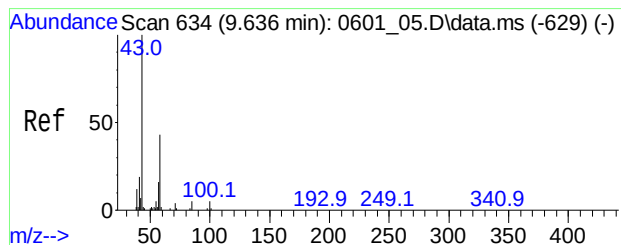
Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	47.7	43.7	65.5	
71	27.4	32.4	48.6#	
100	6.1	7.2	10.8#	



#48
Toluene
Conc: 8\$ 0.343 ppbv
RT: 9.510 min Scan# 621
Delta R.T. 0.000 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

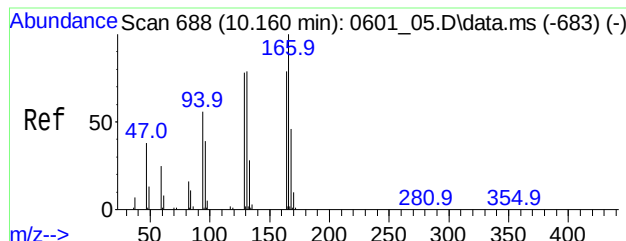
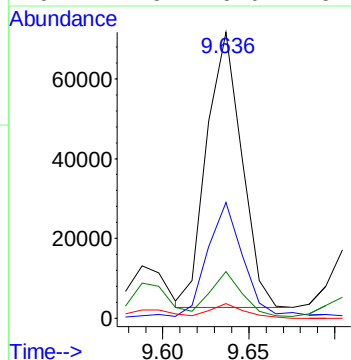
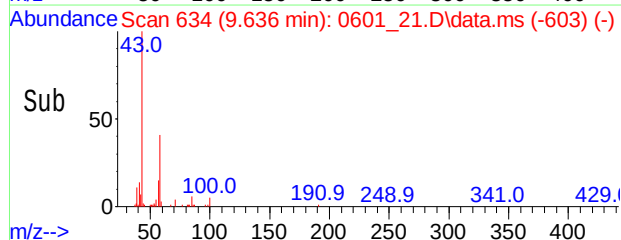
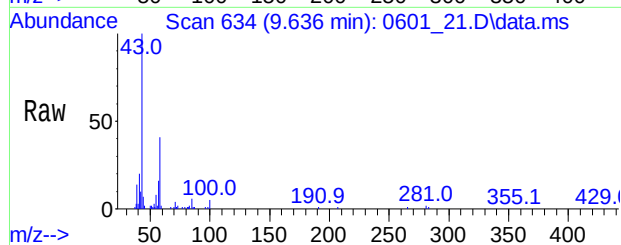
Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.1	43.6	65.4	
65	15.9	12.2	18.4	





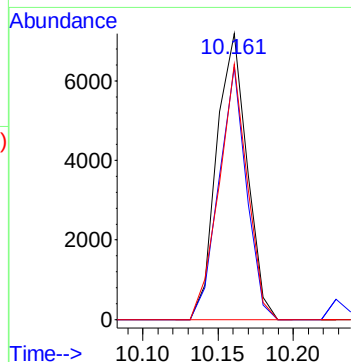
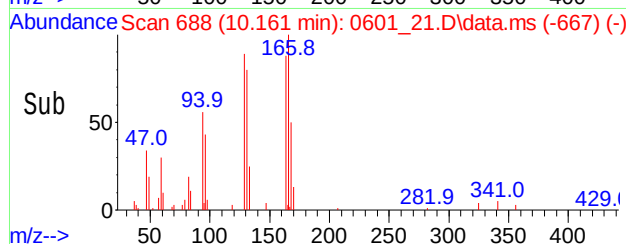
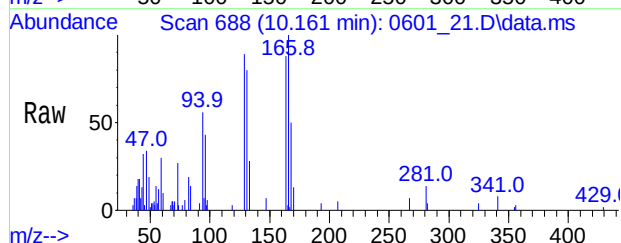
#50
2-Hexanone(MBK)
Conc: 8\$ 0.556 ppbv
RT: 9.636 min Scan# 634
Delta R.T. 0.000 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

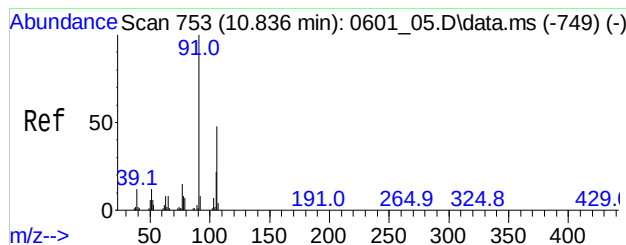
Tgt Ion:	43	Resp:	96613
Ion Ratio	Lower	Upper	
43	100		
58	46.8	39.1	58.7
100	5.0	4.6	6.8
57	14.3	15.9	23.9#



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.161 min Scan# 688
Delta R.T. 0.000 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

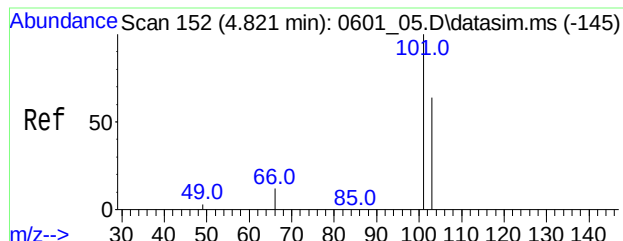
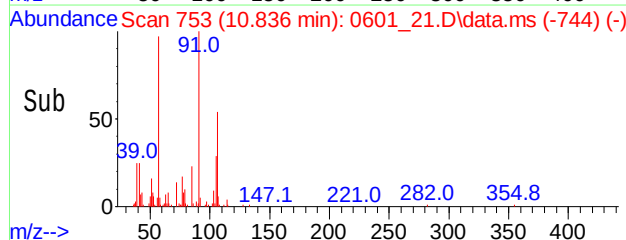
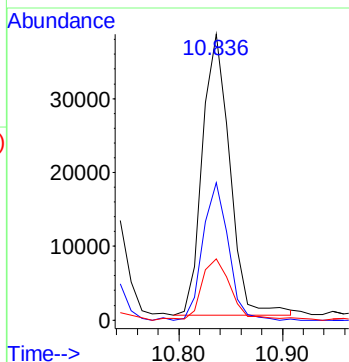
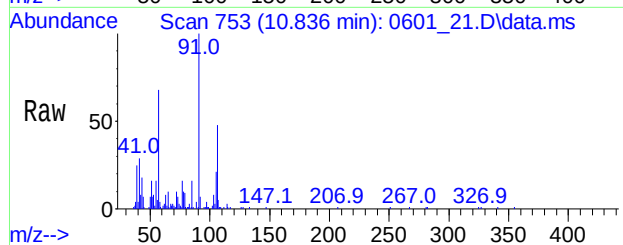
Tgt Ion:	166	Resp:	10169
Ion Ratio	Lower	Upper	
166	100		
164	80.4	63.3	94.9
129	83.2	61.2	91.8





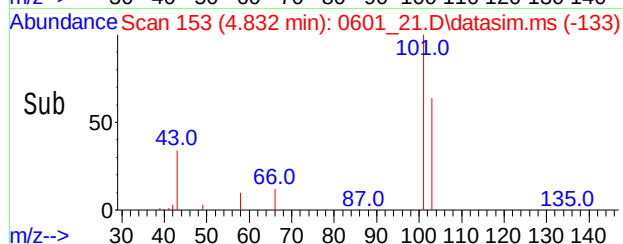
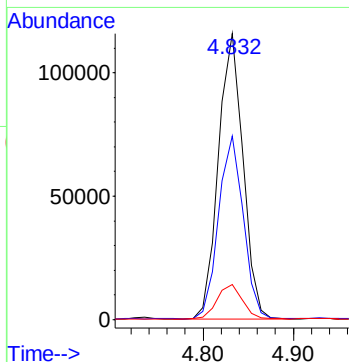
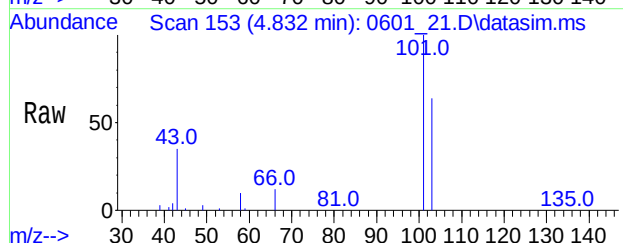
#57
m,p-Xylene
Conc: 8\$ 0.303 ppbv
RT: 10.836 min Scan# 753
Delta R.T. -0.010 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

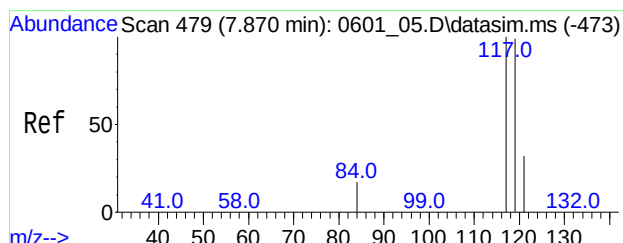
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	69961		
106	45.2	35.6	53.4	
105	23.3	17.1	25.7	



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.950 ppbv
RT: 4.832 min Scan# 153
Delta R.T. 0.011 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

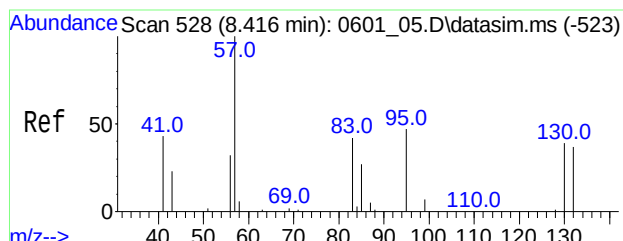
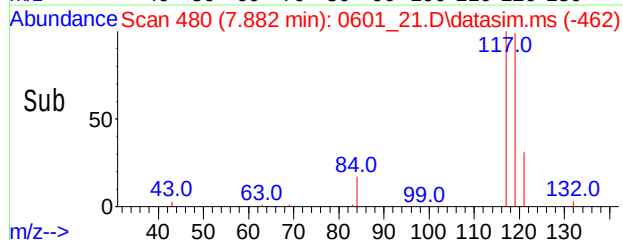
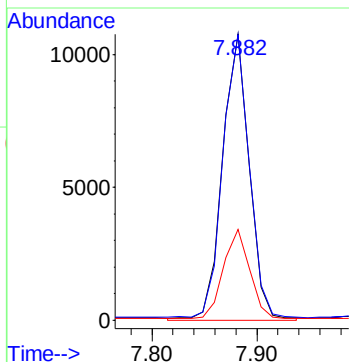
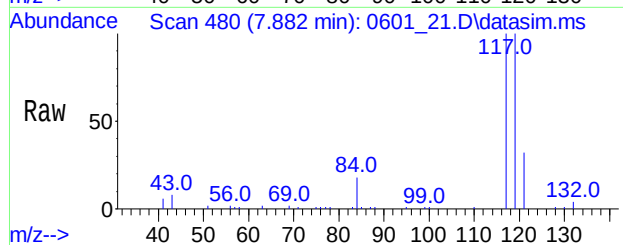
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	218997		
103	64.0	51.2	76.8	
66	12.3	12.8	12.8#	





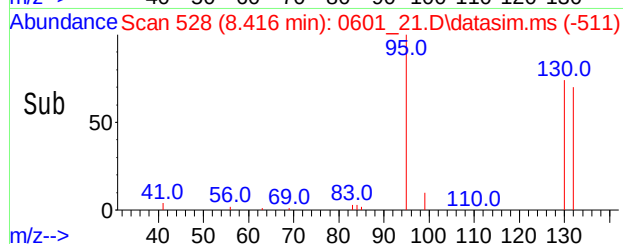
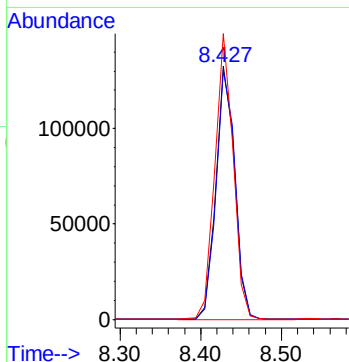
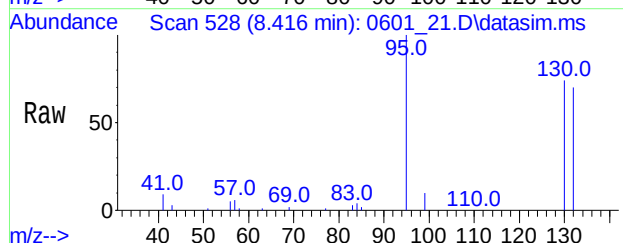
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.099 ppbv
RT: 7.876 min Scan# 480
Delta R.T. 0.000 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

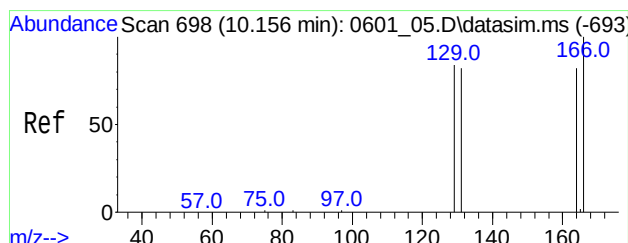
Tgt Ion: 117 Resp: 17463
Ion Ratio Lower Upper
117 100
119 90.8 76.5 114.7
121 29.3 24.2 36.4



#97
Trichloroethene(sim)
Conc: 8\$ 1.910 ppbv
RT: 8.422 min Scan# 528
Delta R.T. 0.000 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

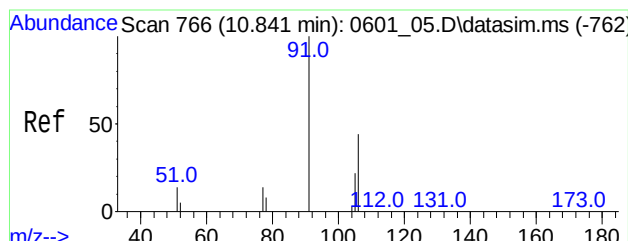
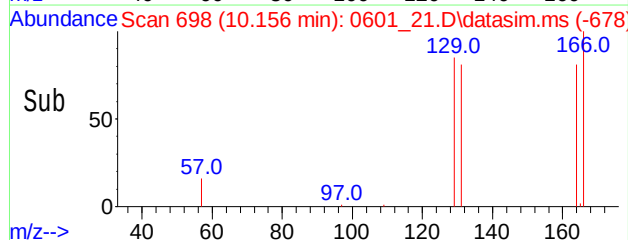
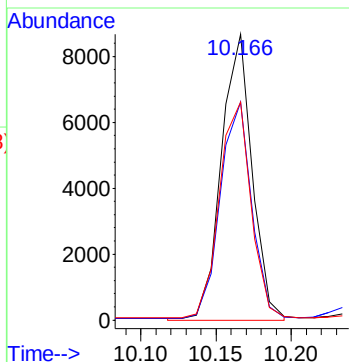
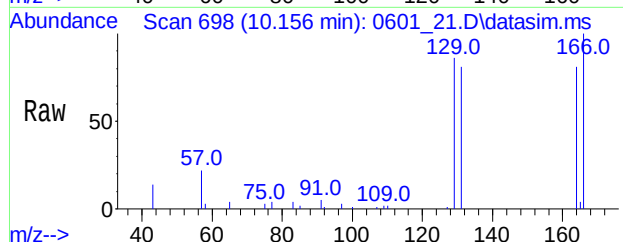
Tgt Ion: 130 Resp: 182628
Ion Ratio Lower Upper
130 100
132 97.2 80.6 120.8
95 111.5 90.4 135.6





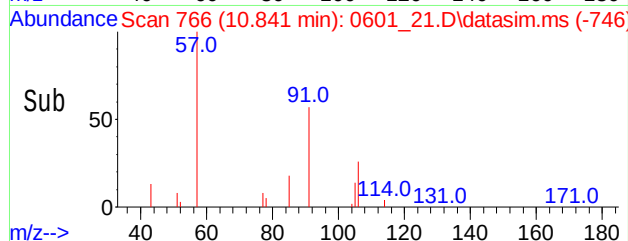
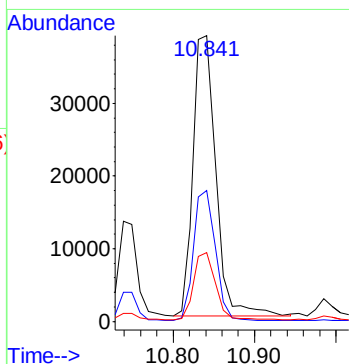
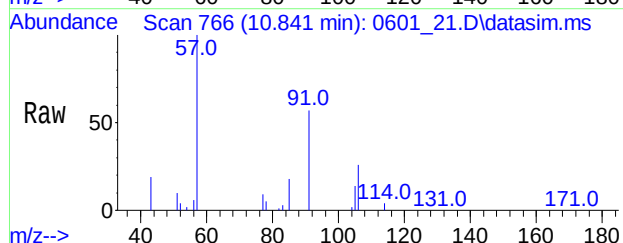
#103
Tetrachloroethene(sim)
Conc: 8\$ 0.074 ppbv
RT: 10.161 min Scan# 698
Delta R.T. 0.000 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	10169		
164	80.4	59.1	99.1	
129	83.2	56.6	96.6	



#106
m,p-Xylene(sim)
Conc: 8\$ 0.325 ppbv
RT: 10.841 min Scan# 766
Delta R.T. 0.000 min
Lab File: 0601_21.D
Acq: 1 Jun 2020 8:58 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	75609		
106	44.3	40.1	49.0	
105	23.1	17.3	25.9	



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	CG03913 LCS
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03913 LCS</u>	
Canister:	<u>LCS</u>	Lab File ID:	<u>0602_03.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>	Date Received:
				<u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/02/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	9.73		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	8.66		0.202	0.202	r
74-87-3	Chloromethane	7.71		0.485	0.485	r
76-14-2	1,2-Dichlorotetrafluoroethane	8.75		0.143	0.143	r
75-01-4	Vinyl Chloride	10.3		0.078	0.078	r
106-99-0	1,3-Butadiene	9.84		0.452	0.452	r
74-83-9	Bromomethane	10.4		0.258	0.258	r
75-00-3	Chloroethane	10.0		0.379	0.379	r
64-17-5	Ethanol	7.63		0.531	0.531	r
67-64-1	Acetone	8.55		0.421	0.421	r
75-69-4	Trichlorofluoromethane	11.3		0.178	0.178	r
67-63-0	Isopropylalcohol	9.33		0.407	0.407	r
107-13-1	Acrylonitrile	9.26		0.461	0.461	r
75-35-4	1,1-Dichloroethene	10.6		0.051	0.051	r
75-09-2	Methylene Chloride	10.0		0.864	0.864	r
75-15-0	Carbon Disulfide	10.8		0.321	0.321	r
76-13-1	Trichlorotrifluoroethane	11.3		0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene	10.1		0.252	0.252	r
75-34-3	1,1-Dichloroethane	10.1		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	9.95		0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	9.87		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	10.2		0.051	0.051	r
110-54-3	Hexane	9.91		0.284	0.284	r
67-66-3	Chloroform	10.4		0.205	0.205	r
141-78-6	Ethyl acetate	10.6		0.278	0.278	r
109-99-9	Tetrahydrofuran	9.80		0.339	0.339	r
107-06-2	1,2-Dichloroethane	10.5		0.247	0.247	r
71-55-6	1,1,1-Trichloroethane	10.6		0.183	0.183	r
71-43-2	Benzene	9.56		0.313	0.313	r
56-23-5	Carbon Tetrachloride	11.0		0.032	0.032	r
110-82-7	Cyclohexane	9.78		0.291	0.291	r
78-87-5	1,2-dichloropropane	10.5		0.217	0.217	r
75-27-4	Bromodichloromethane	11.1		0.149	0.149	r
79-01-6	Trichloroethene	10.5		0.037	0.037	r
123-91-1	1,4-Dioxane	10.9		0.278	0.278	r
142-82-5	Heptane	9.94		0.244	0.244	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03913 LCS</u>
Canister:	<u>LCS</u>	Lab File ID:	<u>0602_03.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>06/01/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>06/02/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
10061-01-5	cis-1,3-Dichloropropene	10.4		0.220	0.220	r
108-10-1	4-Methyl-2-pentanone(MIBK)	10.7		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	11.0		0.220	0.220	r
79-00-5	1,1,2-Trichloroethane	10.5		0.183	0.183	r
108-88-3	Toluene	10.3		0.266	0.266	r
124-48-1	Dibromochloromethane	11.6		0.117	0.117	r
591-78-6	2-Hexanone(MBK)	10.5		0.244	0.244	r
106-93-4	1,2-Dibromoethane(EDB)	10.8		0.130	0.130	r
127-18-4	Tetrachloroethene	10.6		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	10.8		0.146	0.146	r
108-90-7	Chlorobenzene	10.3		0.217	0.217	r
100-41-4	Ethylbenzene	10.4		0.230	0.230	r
179601-23-1	m,p-Xylene	21.5		0.230	0.230	r
75-25-2	Bromoform	11.9		0.097	0.097	r
100-42-5	Styrene	10.1		0.235	0.235	r
79-34-5	1,1,2,2-Tetrachloroethane	10.4		0.146	0.146	r
95-47-6	o-Xylene	10.2		0.230	0.230	r
98-82-8	Isopropylbenzene	9.87		0.204	0.204	r
622-96-8	4-Ethyltoluene	10.3		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	10.1		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	10.3		0.204	0.204	r
100-44-7	Benzyl chloride	11.5		0.193	0.193	r
541-73-1	1,3-Dichlorobenzene	10.9		0.166	0.166	r
106-46-7	1,4-Dichlorobenzene	10.7		0.166	0.166	r
135-98-8	sec-Butylbenzene	9.99		0.182	0.182	r
99-87-6	4-Isopropyltoluene	9.98		0.182	0.182	r
95-50-1	1,2-Dichlorobenzene	11.1		0.166	0.166	r
104-51-8	n-Butylbenzene	10.2		0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene	8.70		0.135	0.135	r
87-68-3	Hexachlorobutadiene	9.46		0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_03.D
 Acq On : 2 Jun 2020 3:41 am
 Operator : Keith
 Client ID : CG03913 LCS
 Lab ID : CG03913 LCS
 ALS Vial : 161 Sample Multiplier: 1

Quant Time: Jun 02 07:59:00 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.434	130	162779	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.363	114	568697	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	312073	10.000	ng	0.00
80) Bromochloromethane(sim)	5.437	130	161897	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.359	114	617428	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.934	82	331923	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	12.405	95	418872	9.901	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.00%

Target Compounds

					Qvalue	
2) Propylene	1.478	41	115482	9.728	ppbv#	80
3) Dichlorodifluoromethane	1.506	85	299419	8.657	ppbv	99
4) Chloromethane	1.650	50	128937	7.713	ppbv	85
5) 1,2-Dichlorotetrafluor...	1.615	135	248390	8.753	ppbv	93
6) Vinyl Chloride	1.718	62	172115	10.333	ppbv	90
7) 1,3-Butadiene	1.739	54	111707	9.841	ppbv#	86
8) Bromomethane	1.972	94	188075	10.388	ppbv#	89
9) Chloroethane	2.088	64	65985	10.032	ppbv#	78
10) Ethanol	2.656	45	42372	7.625	ppbv#	75
12) Acetone	3.313	43	262919	8.554	ppbv#	77
13) Trichlorofluoromethane	2.211	101	463610	11.279	ppbv	95
14) Isopropylalcohol	3.258	45	284557	9.325	ppbv#	1
15) Acrylonitrile	4.296	53	98265	9.260	ppbv#	93
16) 1,1-Dichloroethene	2.663	61	259943	10.605	ppbv	96
17) Methylene Chloride	3.265	49	203459	10.035	ppbv	96
20) Carbon Disulfide	2.670	76	463363	10.793	ppbv#	80
21) Trichlorotrifluoroethane	2.725	101	341725	11.273	ppbv	94
22) Trans-1,2-Dichloroethene	3.463	61	268746	10.141	ppbv	93
23) 1,1-Dichloroethane	4.252	63	327740	10.091	ppbv	94
24) Methyl tert-butyl ethe...	3.634	73	434920	9.949	ppbv	100
25) Methyl Ethyl Ketone	6.076	43	357696	9.873	ppbv#	89
26) Cis-1,2-Dichloroethene	5.132	61	260820	10.152	ppbv	95
27) Hexane	3.607	57	327620	9.907	ppbv	88
28) Chloroform	5.629	83	411974	10.431	ppbv	97
29) Ethyl acetate	5.896	43	429995	10.629	ppbv#	82
30) Tetrahydrofuran	5.817	41	104705	9.802	ppbv	100
31) 1,2-Dichloroethane	6.713	62	270253	10.454	ppbv	97
32) 1,1,1-Trichloroethane	5.881	97	391455	10.577	ppbv	96
33) Benzene	6.432	78	515959	9.563	ppbv	99
34) Carbon Tetrachloride	5.781	117	414896	10.977	ppbv	97
35) Cyclohexane	5.442	56	254134	9.784	ppbv#	82
37) 1,2-dichloropropane	7.932	63	228060	10.459	ppbv#	77
38) Bromodichloromethane	8.076	83	441807	11.125	ppbv	98
39) Trichloroethene	7.288	130	254092	10.525	ppbv	99
41) 1,4-Dioxane	8.325	88	121347	10.868	ppbv	85
43) Heptane	6.542	43	303249	9.935	ppbv	90
44) cis-1,3-Dichloropropene	8.867	75	336037	10.430	ppbv	93
45) 4-Methyl-2-pentanone(M...	9.647	43	437783	10.655	ppbv#	93
46) trans-1,3-Dichloropropene	9.683	75	315918	10.966	ppbv#	94
47) 1,1,2-Trichloroethane	9.863	97	239735	10.532	ppbv	97
48) Toluene	9.156	91	657705	10.318	ppbv	98
49) Dibromochloromethane	10.058	129	487135	11.600	ppbv	98
50) 2-Hexanone(MBK)	10.664	43	435200	10.453	ppbv	96
51) 1,2-Dibromoethane(EDB)	10.282	107	425049	10.771	ppbv	99

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_03.D
 Acq On : 2 Jun 2020 3:41 am
 Operator : Keith
 Client ID : CG03913 LCS
 Lab ID : CG03913 LCS
 ALS Vial : 161 Sample Multiplier: 1

Quant Time: Jun 02 07:59:00 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Tetrachloroethene	9.618	166	320921	10.594	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.055	131	265189	10.807	ppbv	99
55) Chlorobenzene	10.952	112	515620	10.272	ppbv#	39
56) Ethylbenzene	11.028	91	846879	10.442	ppbv	98
57) m,p-Xylene	11.213	91	1332443	21.447	ppbv	99
58) Bromoform	11.769	173	489001	11.894	ppbv	99
59) Styrene	11.775	104	472788	10.079	ppbv	92
60) 1,1,2,2-Tetrachloroethane	12.697	83	541240	10.433	ppbv	100
61) o-Xylene	11.714	91	685455	10.212	ppbv	97
64) Isopropylbenzene	12.106	105	810939	9.872	ppbv	97
66) 4-Ethyltoluene	12.748	105	893334	10.293	ppbv	99
67) 1,3,5-Trimethylbenzene	12.865	105	754616	10.059	ppbv	97
68) 1,2,4-Trimethylbenzene	13.320	105	739976	10.309	ppbv	97
70) Benzyl chloride	13.968	91	510382	11.475	ppbv	97
71) 1,3-Dichlorobenzene	13.631	146	471412	10.847	ppbv	99
72) 1,4-Dichlorobenzene	13.728	146	457558	10.673	ppbv	97
73) sec-Butylbenzene	13.449	105	936469	9.986	ppbv	99
74) 4-Isopropyltoluene	13.618	119	695368	9.982	ppbv	97
75) 1,2-Dichlorobenzene	14.105	146	384259	11.139	ppbv	99
76) n-Butylbenzene	14.020	91	637435	10.200	ppbv	97
77) 1,2,4-Trichlorobenzene	15.264	180	184659	8.700	ppbv	99
79) Hexachlorobutadiene	15.274	225	195162	9.458	ppbv	100
81) 1,2-Dichlorotetrafluor...	1.615	135	248328	7.827	ppbv	93
82) Vinyl Chloride(sim)	1.721	62	181320	9.845	ppbv	100
83) Bromomethane(sim)	1.972	94	188075	9.077	ppbv#	89
84) Trichlorofluoromethane...	2.214	101	480088	10.475	ppbv	99
85) 1,1,1-Trichloroethane(...)	5.881	97	391606	10.125	ppbv#	96
86) Carbon Tetrachloride(sim)	5.783	117	423608	11.320	ppbv	100
87) 1,1-Dichloroethene(sim)	2.663	61	259943	9.926	ppbv	96
88) Trichlorotrifluoroetha...	2.728	101	352114	10.269	ppbv	99
89) Trans-1,2-Dichloroethe...	3.463	61	268746	9.693	ppbv	93
90) 1,1-Dichloroethane(sim)	4.255	63	346031	9.920	ppbv	99
91) Cis-1,2-Dichloroethene...	5.132	61	260810	9.866	ppbv	95
92) Chloroform(sim)	5.632	83	426470	10.254	ppbv	99
93) 1,2-Dichloroethane(sim)	6.713	62	270253	10.434	ppbv	97
95) 1,2-dichloropropane(sim)	7.932	63	228060	10.127	ppbv#	77
96) Bromodichloromethane(sim)	8.079	83	458571	11.449	ppbv	100
97) Trichloroethene(sim)	7.288	130	254017	10.203	ppbv	97
98) 1,4-Dioxane(sim)	8.328	88	129980	9.903	ppbv#	71
99) cis-1,3-Dichloropropen...	8.867	75	336037	11.038	ppbv	93
100) 1,1,2-Trichloroethane(...)	9.859	97	250478	10.333	ppbv	99
101) Dibromochloromethane(sim)	10.058	129	487135	12.565	ppbv	98
102) 1,2-Dibromoethane(EDB)...	10.285	107	443362	11.084	ppbv	100
103) Tetrachloroethene(sim)	9.618	166	320921	10.491	ppbv	98
105) Bromoform(sim)	11.769	173	488912	13.404	ppbv	98
106) 1,1,1,2-Tetrachloroeth...	11.051	131	274036	11.174	ppbv	100
107) m,p-Xylene(sim)	11.213	91	1333058	20.045	ppbv	98
108) 1,1,2,2-Tetrachloroeth...	12.699	83	558803	10.239	ppbv	100
111) Benzyl chloride(sim)	13.968	91	510382	13.283	ppbv	97
112) 1,3-Dichlorobenzene(sim)	13.634	146	514207	10.501	ppbv	100
113) 1,4-Dichlorobenzene(sim)	13.728	146	459169	10.592	ppbv	97
114) sec-Butylbenzene(sim)	13.446	105	1000045	9.923	ppbv	100
115) 4-Isopropyltoluene(sim)	13.618	119	695368	9.692	ppbv	97
116) 1,2-Dichlorobenzene(sim)	14.108	146	418194	10.369	ppbv	100
117) n-Butylbenzene(sim)	14.020	91	637435	9.802	ppbv	97
118) 1,2,4-Trichlorobenzene...	15.267	180	202915	7.810	ppbv	100
119) Hexachlorobutadiene(sim)	15.274	225	195162	7.717	ppbv	99

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0602_03.D
Acq On : 2 Jun 2020 3:41 am
Operator : Keith
Client ID : CG03913 LCS
Lab ID : CG03913 LCS
ALS Vial : 161 Sample Multiplier: 1

Quant Time: Jun 02 07:59:00 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration

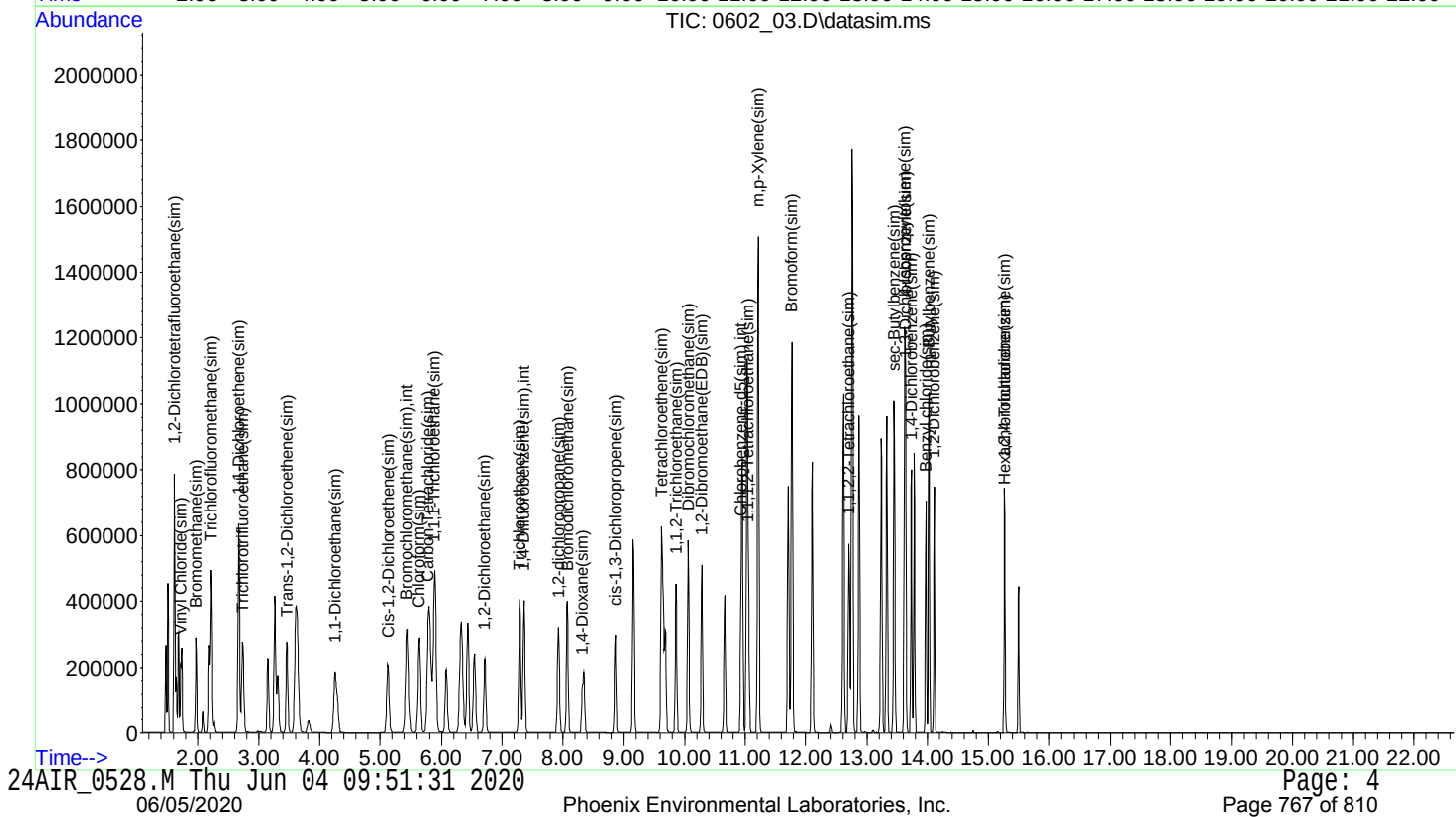
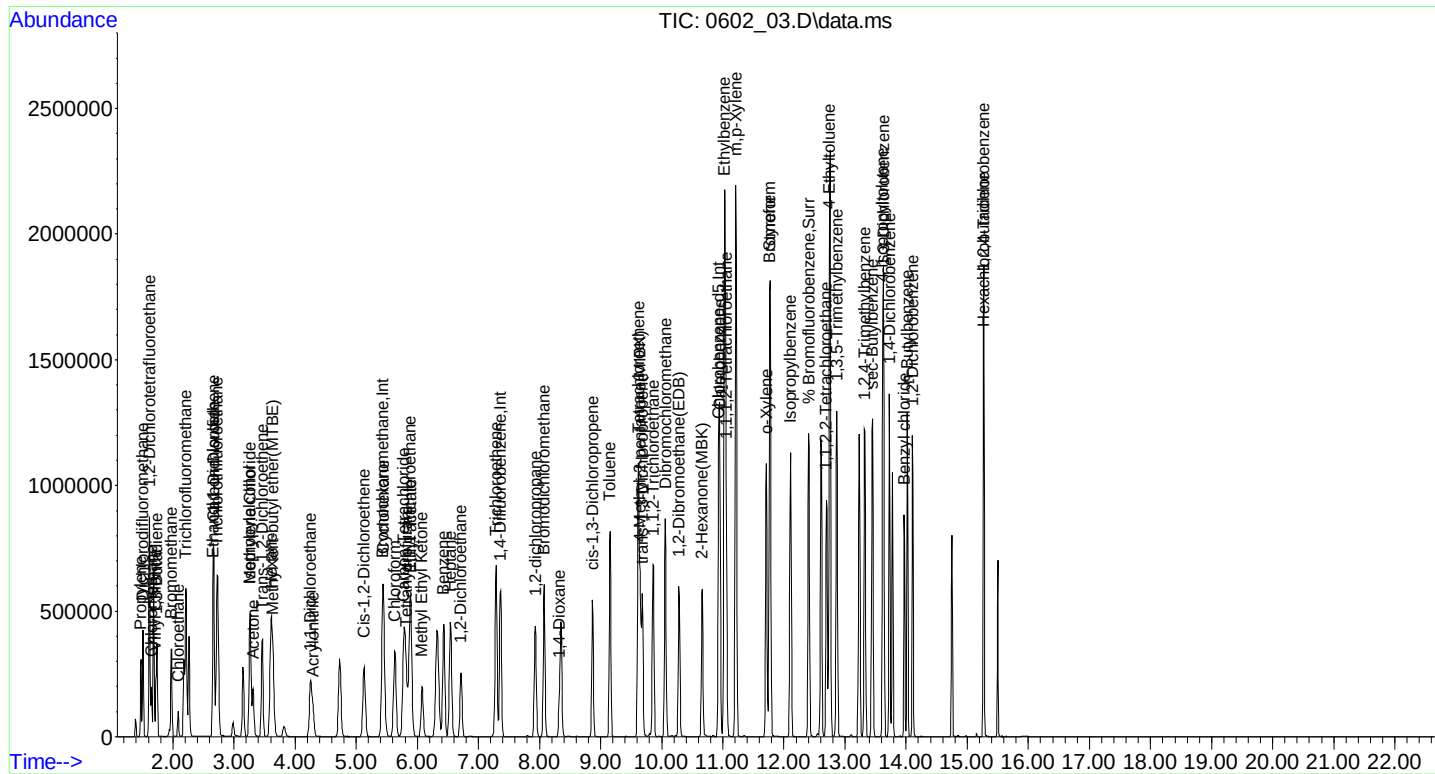
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

(QT Reviewed)

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Data Path : H:\AIR2020\CHEM24\06JUN\01\  
Data File : 0602_03.D  
Acq On : 2 Jun 2020 3:41 am  
Operator : Keith  
Client ID : CG03913 LCS  
Lab ID : CG03913 LCS  
ALS Vial : 161 Sample Multiplier: 1
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Quant Time: Jun 02 07:59:00 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client: KLEINFL-AIR Lab: Phoenix Env. Labs

SDG No.: GCG03886 Lab Sample ID: CG03913 BL

Canister: BL Lab File ID: 0602_05.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 06/01/20

Purge Volume 200 (cc) Date Analyzed: 06/02/20

Matrix: AIR Dilution Factor: 1

CG03913 BLANK

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	12.6	U	12.6	12.6	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CG03913 BLANK

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CG03913 BL
Canister:	BL	Lab File ID:	0602_05.D
Instrument:	CHEM24	Column:	RTX-VMS
		Date Received:	06/01/20
Purge Volume	200 (cc)	Date Analyzed:	06/02/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_05.D
 Acq On : 2 Jun 2020 4:43 am
 Operator : Keith
 Client ID : CG03913 BLANK
 Lab ID : CG03913 BLANK
 ALS Vial : 163 Sample Multiplier: 1

Quant Time: Jun 02 07:59:08 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

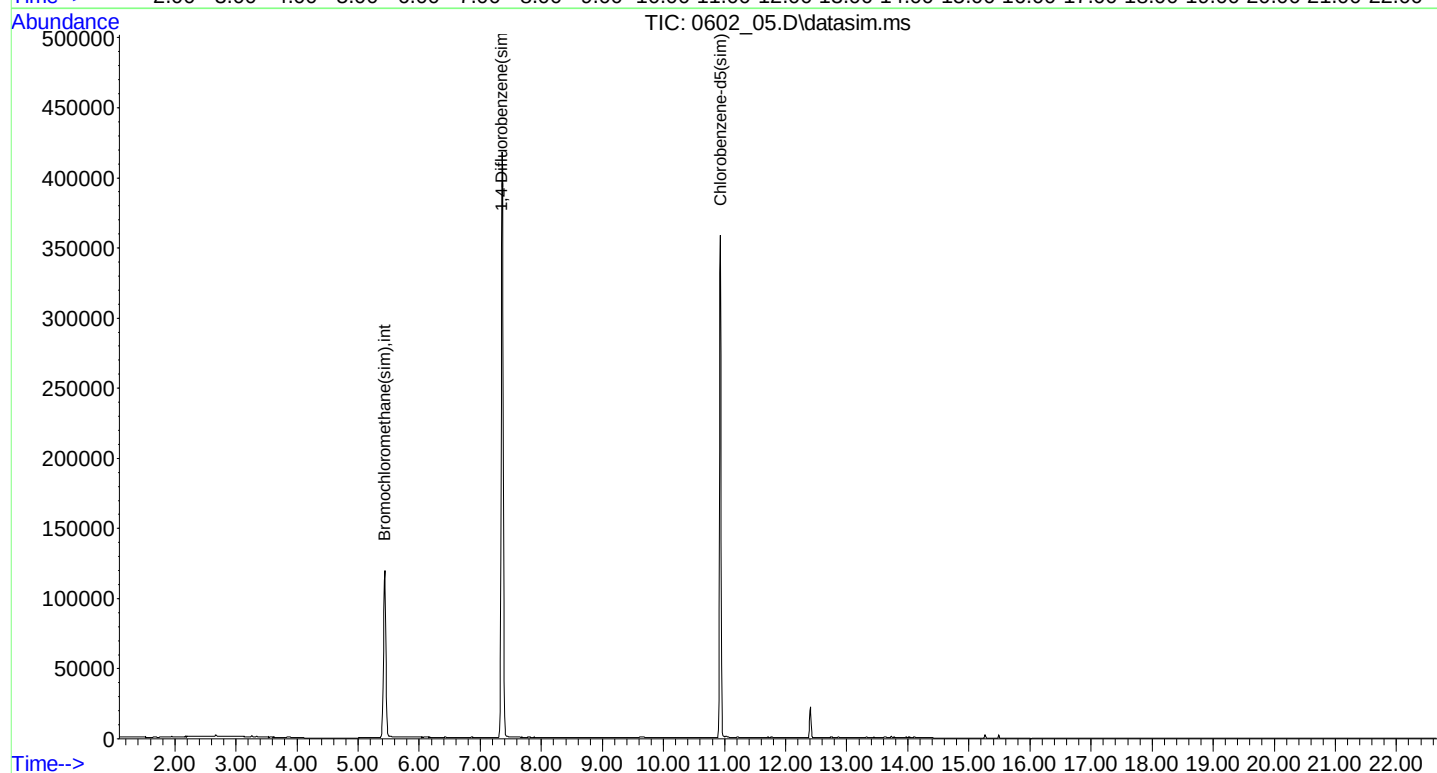
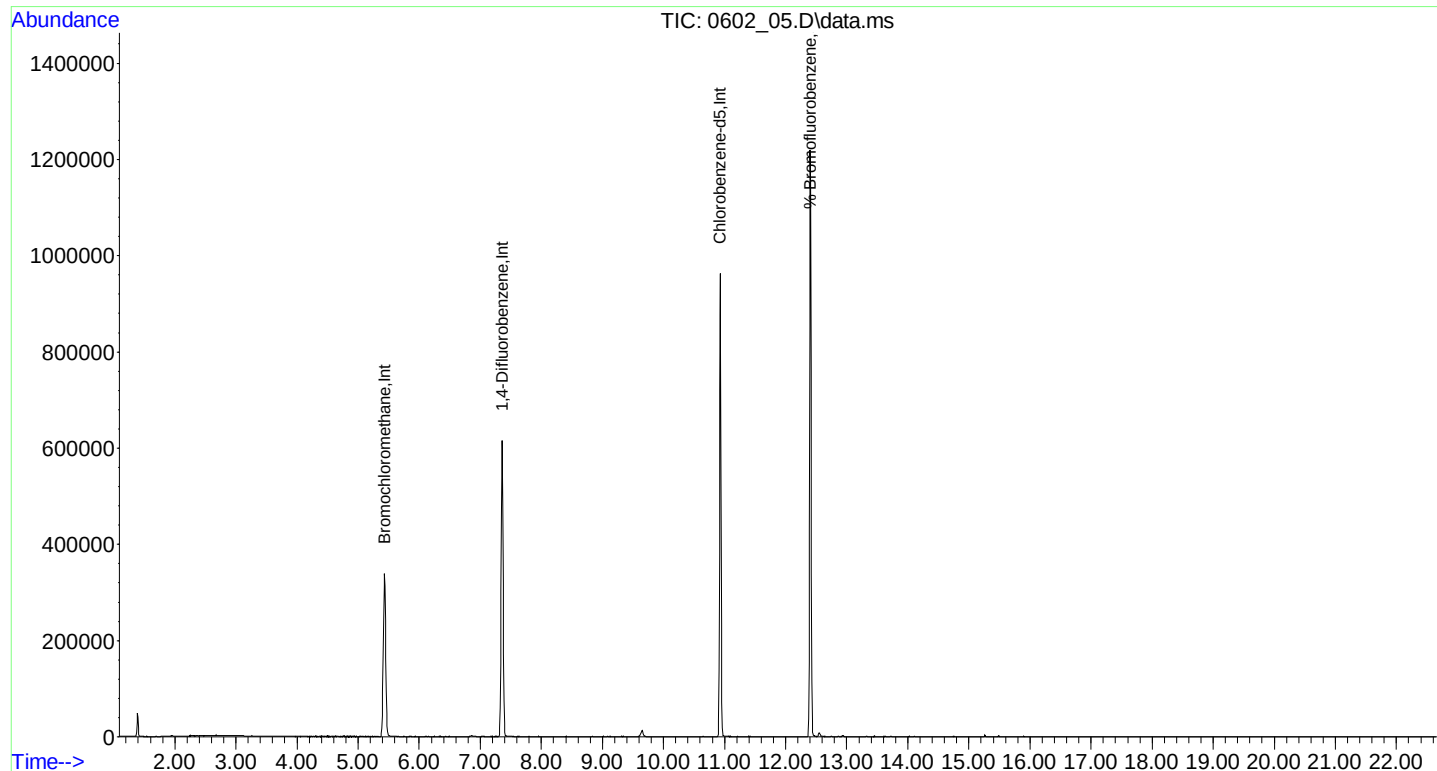
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.432	130	167970	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.361	114	591580	10.000	ng	0.00
53) Chlorobenzene-d5	10.929	82	317531	10.000	ng	0.00
80) Bromochloromethane(sim)	5.435	130	168232	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.357	114	643378	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.932	82	334419	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.402	95	420152	9.761	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.60%

Target Compounds	Qvalue

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
Data File : 0602_05.D
Acq On : 2 Jun 2020 4:43 am
Operator : Keith
Client ID : CG03913 BLANK
Lab ID : CG03913 BLANK
ALS Vial : 163 Sample Multiplier: 1

Quant Time: Jun 02 07:59:08 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri May 29 08:22:49 2020
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>	BLOWER-3 DUP 30X
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CG03913 DUP 30X</u>	
Canister:	<u>21369</u>	Lab File ID:	<u>0602_08.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>	Date Received: <u>06/01/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>06/02/20</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>30</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	17.4	U	17.4	17.4	r
75-71-8	Dichlorodifluoromethane	6.07	U	6.07	6.07	r
74-87-3	Chloromethane	14.5	U	14.5	14.5	r
106-99-0	1,3-Butadiene	13.6	U	13.6	13.6	r
75-00-3	Chloroethane	11.4	U	11.4	11.4	r
64-17-5	Ethanol	30.5	S	15.9	15.9	r
67-64-1	Acetone	379	S	12.6	12.6	r
67-63-0	Isopropylalcohol	12.2	U	12.2	12.2	r
107-13-1	Acrylonitrile	13.8	U	13.8	13.8	r
75-09-2	Methylene Chloride	25.9	U	25.9	25.9	r
75-15-0	Carbon Disulfide	9.64	U	9.64	9.64	r
1634-04-4	Methyl tert-butyl ether(MTBE)	8.33	U	8.33	8.33	r
78-93-3	Methyl Ethyl Ketone	10.2	U	10.2	10.2	r
110-54-3	Hexane	8.52	U	8.52	8.52	r
141-78-6	Ethyl acetate	8.33	U	8.33	8.33	r
109-99-9	Tetrahydrofuran	10.2	U	10.2	10.2	r
71-43-2	Benzene	9.40	U	9.40	9.40	r
110-82-7	Cyclohexane	8.72	U	8.72	8.72	r
142-82-5	Heptane	7.32	U	7.32	7.32	r
108-10-1	4-Methyl-2-pentanone(MIBK)	7.33	U	7.33	7.33	r
10061-02-6	trans-1,3-Dichloropropene	6.61	U	6.61	6.61	r
108-88-3	Toluene	7.97	U	7.97	7.97	r
591-78-6	2-Hexanone(MBK)	7.33	U	7.33	7.33	r
108-90-7	Chlorobenzene	6.52	U	6.52	6.52	r
100-41-4	Ethylbenzene	6.91	U	6.91	6.91	r
100-42-5	Styrene	7.05	U	7.05	7.05	r
95-47-6	o-Xylene	6.91	U	6.91	6.91	r
98-82-8	Isopropylbenzene	6.11	U	6.11	6.11	r
622-96-8	4-Ethyltoluene	6.11	U	6.11	6.11	r
108-67-8	1,3,5-Trimethylbenzene	6.11	U	6.11	6.11	r
95-63-6	1,2,4-Trimethylbenzene	6.11	U	6.11	6.11	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	4.29	U	4.29	4.29	r
75-01-4	Vinyl Chloride(sim)	2.35	U	2.35	2.35	r
74-83-9	Bromomethane(sim)	7.73	U	7.73	7.73	r
75-69-4	Trichlorofluoromethane(sim)	5.34	U	5.34	5.34	r
71-55-6	1,1,1-Trichloroethane(sim)	5.50	U	5.50	5.50	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

BLOWER-3 DUP 30X

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CG03913 DUP 30X
Canister:	21369	Lab File ID:	0602_08.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200	(cc)	06/01/20
Matrix:	AIR	Dilution Factor:	30

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
56-23-5	Carbon Tetrachloride(sim)	0.954	U	0.954	0.954	r
75-35-4	1,1-Dichloroethene(sim)	1.51	U	1.51	1.51	r
76-13-1	Trichlorotrifluoroethane(sim)	3.92	U	3.92	3.92	r
156-60-5	Trans-1,2-Dichloroethene(sim)	7.57	U	7.57	7.57	r
75-34-3	1,1-Dichloroethane(sim)	7.42	U	7.42	7.42	r
156-59-2	Cis-1,2-Dichloroethene(sim)	1.51	U	1.51	1.51	r
67-66-3	Chloroform(sim)	6.15	U	6.15	6.15	r
107-06-2	1,2-Dichloroethane(sim)	7.42	U	7.42	7.42	r
78-87-5	1,2-dichloropropane(sim)	6.50	U	6.50	6.50	r
75-27-4	Bromodichloromethane(sim)	4.48	U	4.48	4.48	r
79-01-6	Trichloroethene(sim)	2.12		1.12	1.12	r
123-91-1	1,4-Dioxane(sim)	8.33	U	8.33	8.33	r
10061-01-5	cis-1,3-Dichloropropene(sim)	6.61	U	6.61	6.61	r
79-00-5	1,1,2-Trichloroethane(sim)	5.50	U	5.50	5.50	r
124-48-1	Dibromochloromethane(sim)	3.52	U	3.52	3.52	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	3.91	U	3.91	3.91	r
127-18-4	Tetrachloroethene(sim)	1.11	U	1.11	1.11	r
75-25-2	Bromoform(sim)	2.90	U	2.90	2.90	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	4.37	U	4.37	4.37	r
179601-23-1	m,p-Xylene(sim)	6.91	U	6.91	6.91	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	4.37	U	4.37	4.37	r
100-44-7	Benzyl chloride(sim)	5.80	U	5.80	5.80	r
541-73-1	1,3-Dichlorobenzene(sim)	4.99	U	4.99	4.99	r
106-46-7	1,4-Dichlorobenzene(sim)	4.99	U	4.99	4.99	r
135-98-8	sec-Butylbenzene(sim)	5.47	U	5.47	5.47	r
99-87-6	4-Isopropyltoluene(sim)	5.47	U	5.47	5.47	r
95-50-1	1,2-Dichlorobenzene(sim)	4.99	U	4.99	4.99	r
104-51-8	n-Butylbenzene(sim)	5.47	U	5.47	5.47	r
120-82-1	1,2,4-Trichlorobenzene(sim)	4.04	U	4.04	4.04	r
87-68-3	Hexachlorobutadiene(sim)	2.81	U	2.81	2.81	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_08.D
 Acq On : 2 Jun 2020 10:22 am
 Operator : Keith
 Client ID : BLOWER-3 DUP 30X
 Lab ID : CG03913 DUP 30X
 ALS Vial : 166 Sample Multiplier: 1

Quant Time: Jun 02 10:52:01 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

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

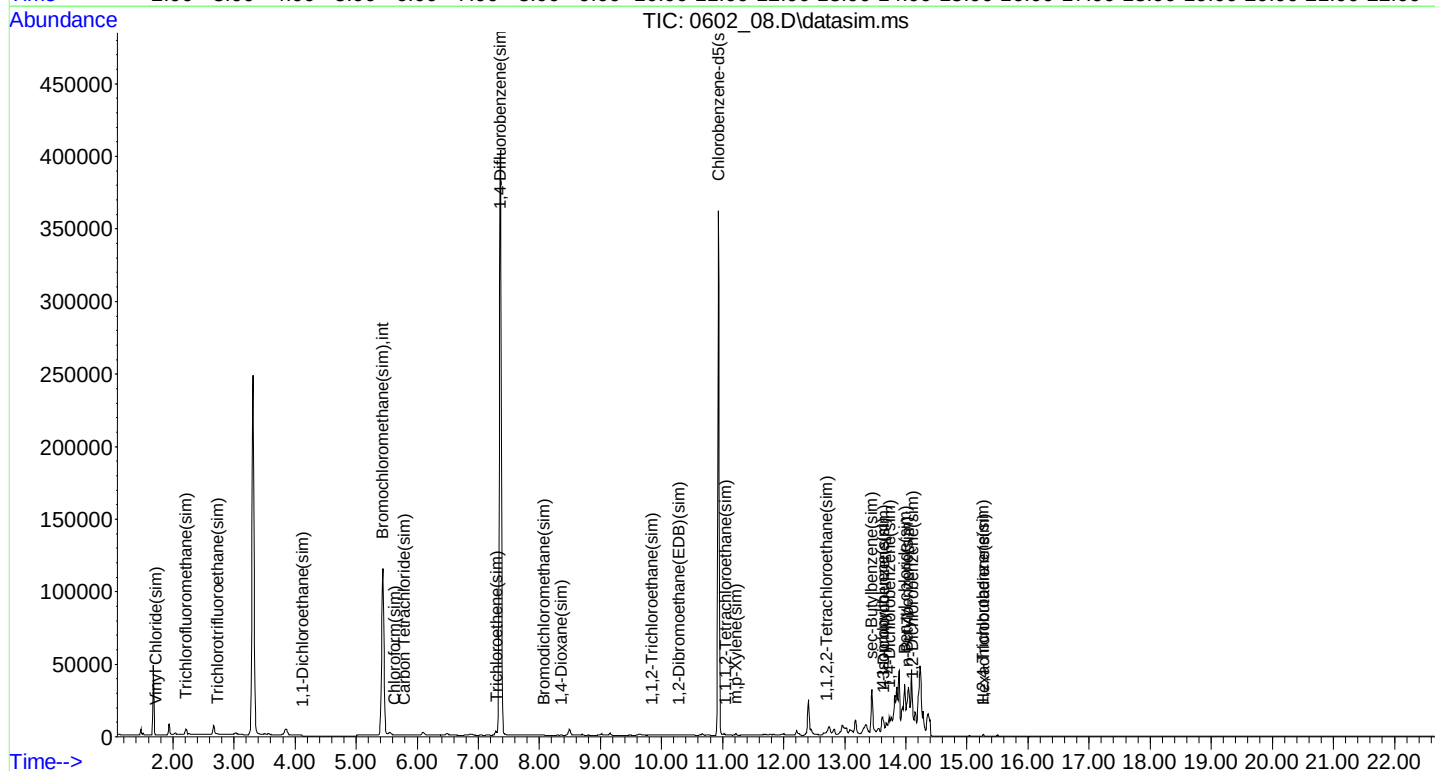
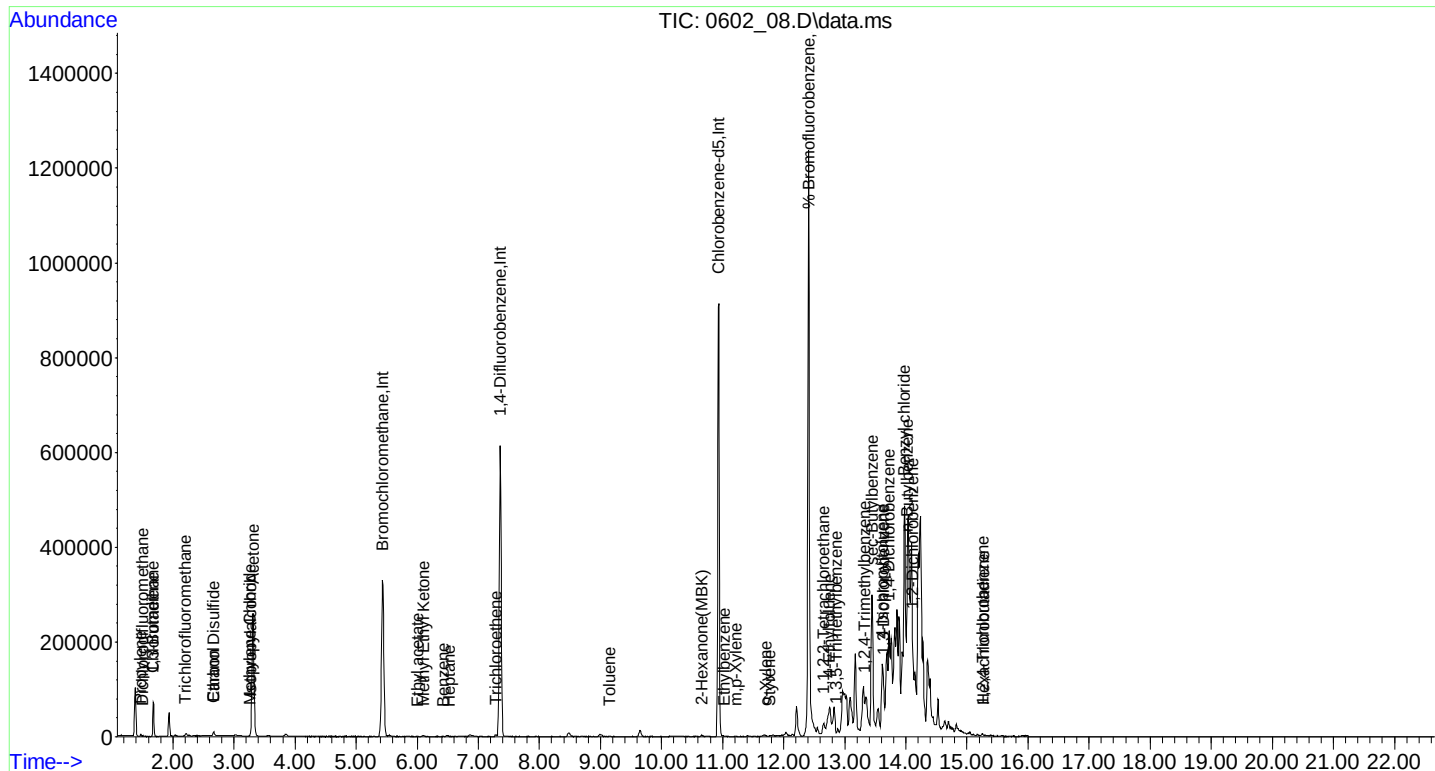
Internal Standards						
1) Bromochloromethane	5.432	130	164007	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.361	114	570627	10.000	ng	0.00
53) Chlorobenzene-d5	10.935	82	312547	10.000	ng	0.01
80) Bromochloromethane(sim)	5.435	130	162081	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.364	114	619684	10.000	ng	0.01
104) Chlorobenzene-d5(sim)	10.932	82	332843	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.409	95	420558	9.926	ppbv	0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.30%
Target Compounds						
10) Ethanol	2.670	45	5693	1.017	ppbv	Qvalue 89
12) Acetone	3.313	43	391280	12.635	ppbv#	77
39) Trichloroethene	7.292	130	1764	0.073	ppbv	96
97] Trichloroethene(sim)	7.292	130	1764	0.071	ppbv	98

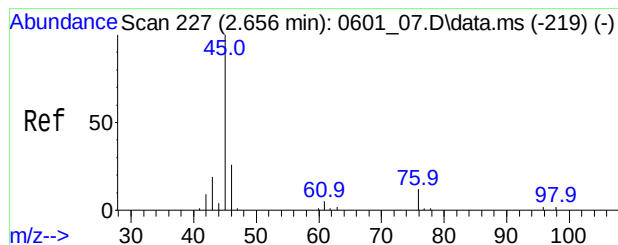
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0602_08.D
 Acq On : 2 Jun 2020 10:22 am
 Operator : Keith
 Client ID : BLOWER-3 DUP 30X
 Lab ID : CG03913 DUP 30X
 ALS Vial : 166 Sample Multiplier: 1

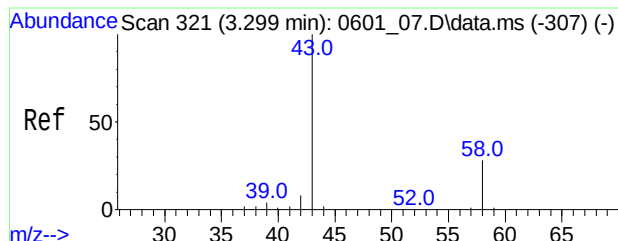
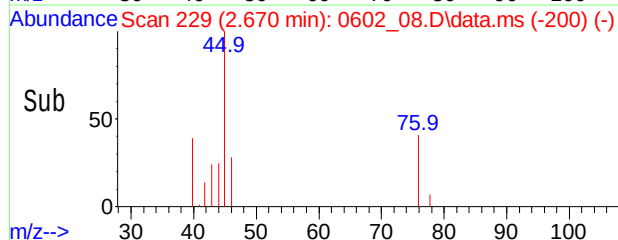
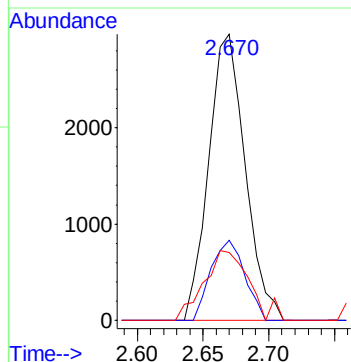
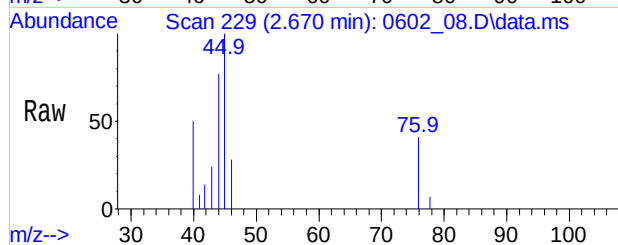
Quant Time: Jun 02 10:52:01 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration





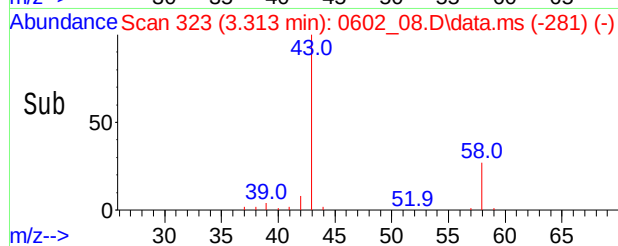
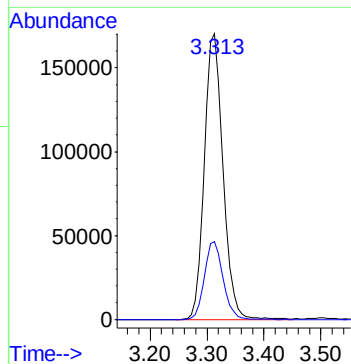
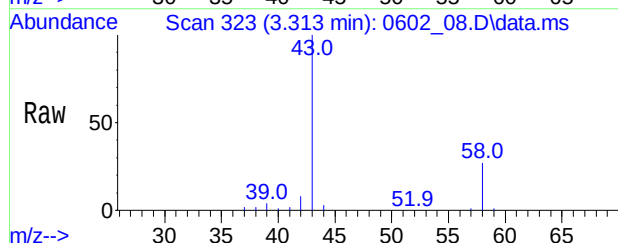
#10
Ethanol
Conc: 8\$ 1.017 ppbv
RT: 2.670 min Scan# 229
Delta R.T. 0.007 min
Lab File: 0602_08.D
Acq: 2 Jun 2020 10:22 am

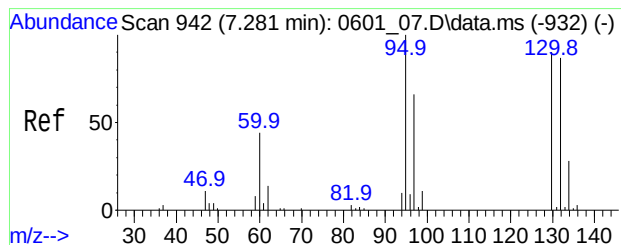
Tgt Ion: 45 Resp: 5693
Ion Ratio Lower Upper
45 100
46 25.8 0.0 0.0#
43 30.0 29.3 43.9



#12
Acetone
Conc: 8\$ 12.635 ppbv
RT: 3.313 min Scan# 323
Delta R.T. -0.014 min
Lab File: 0602_08.D
Acq: 2 Jun 2020 10:22 am

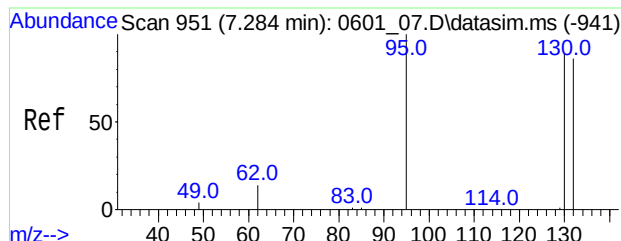
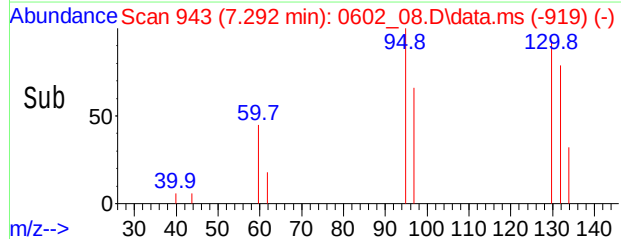
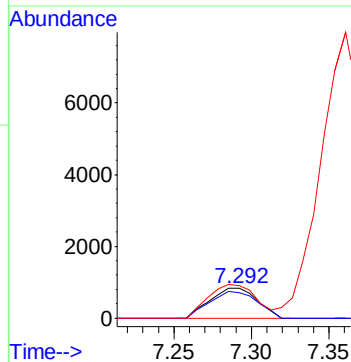
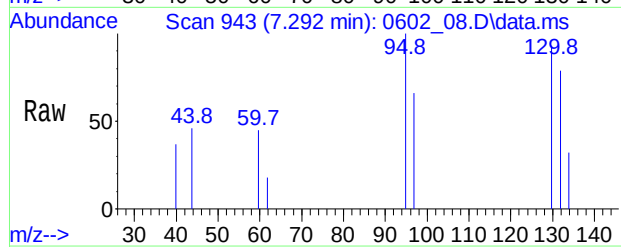
Tgt Ion: 43 Resp: 391280
Ion Ratio Lower Upper
43 100
58 27.3 13.8 20.6#





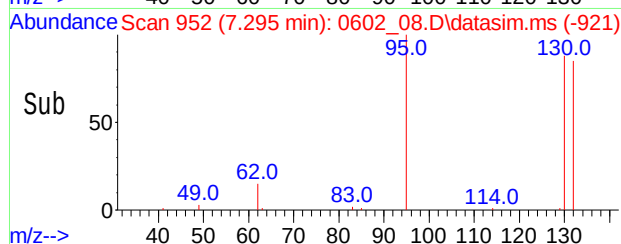
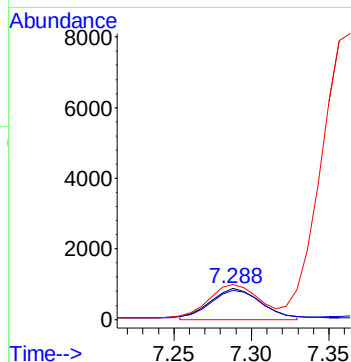
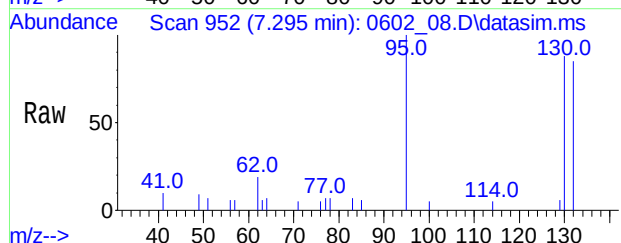
#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 7.292 min Scan# 943
Delta R.T. 0.011 min
Lab File: 0602_08.D
Acq: 2 Jun 2020 10:22 am

Tgt Ion:130 Resp: 1764
Ion Ratio Lower Upper
130 100
132 90.2 76.6 114.8
95 113.9 89.6 134.4



#97
Trichloroethene(sim)
Conc: 8\$ 0.071 ppbv
RT: 7.292 min Scan# 952
Delta R.T. 0.011 min
Lab File: 0602_08.D
Acq: 2 Jun 2020 10:22 am

Tgt Ion:130 Resp: 1764
Ion Ratio Lower Upper
130 100
132 90.2 74.3 111.5
95 113.9 89.6 134.4



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 1880

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CANISTER BLK 1880</u>
Canister:	<u>CANBL</u>	Lab File ID:	<u>0504_38.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u> </u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u> </u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>05/05/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.744		0.531	0.531	r
67-64-1	Acetone	0.421	U	0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 1880

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CANISTER BLK 1880</u>
Canister:	<u>CANBL</u>	Lab File ID:	<u>0504_38.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u></u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u></u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>05/05/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\05MAY\04\
 Data File : 0504_38.D
 Acq On : 5 May 2020 10:26 am
 Operator : Keith
 Client ID : CANISTER BLK 1880
 Lab ID : CANISTER BLK 1880
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 06 10:11:05 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0429.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 30 14:24:34 2020
 Response via : Initial Calibration

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

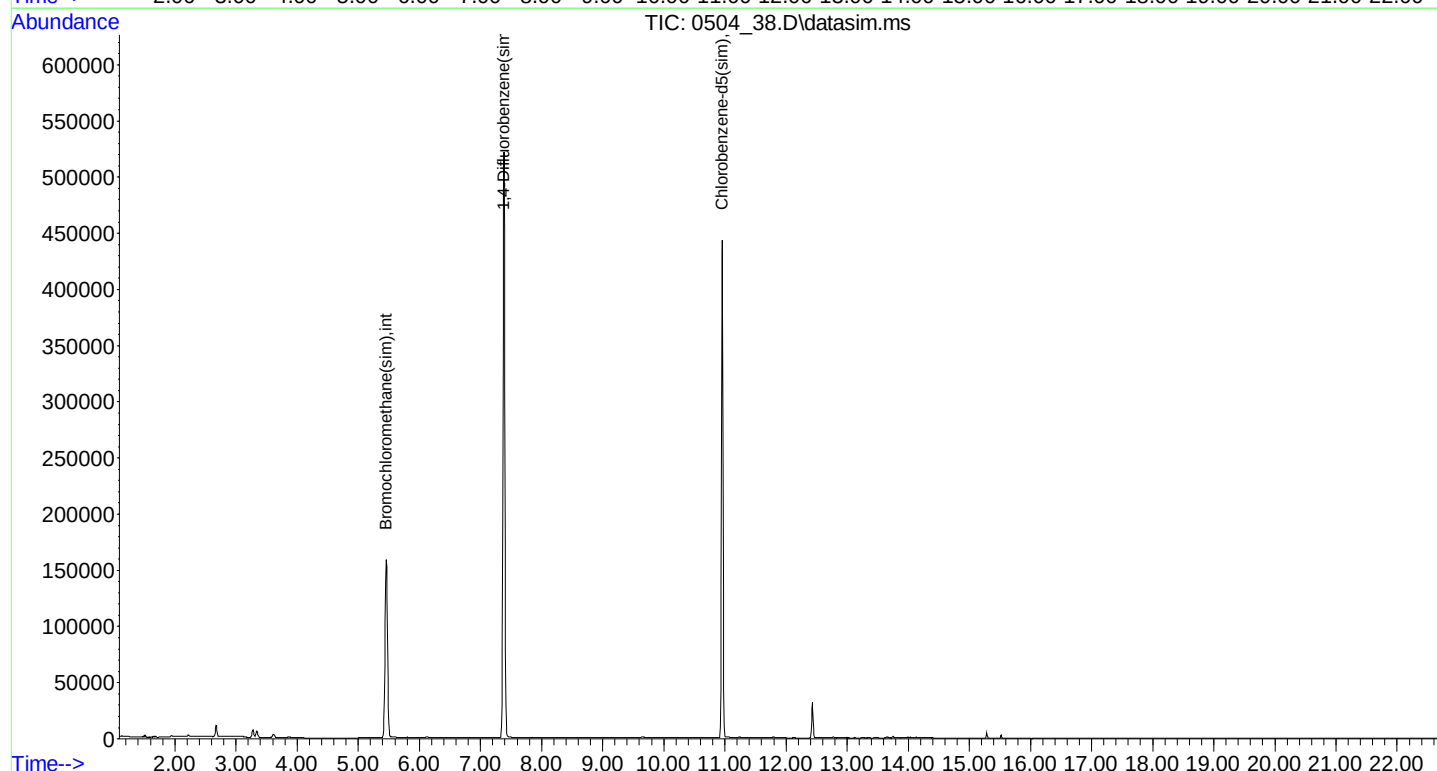
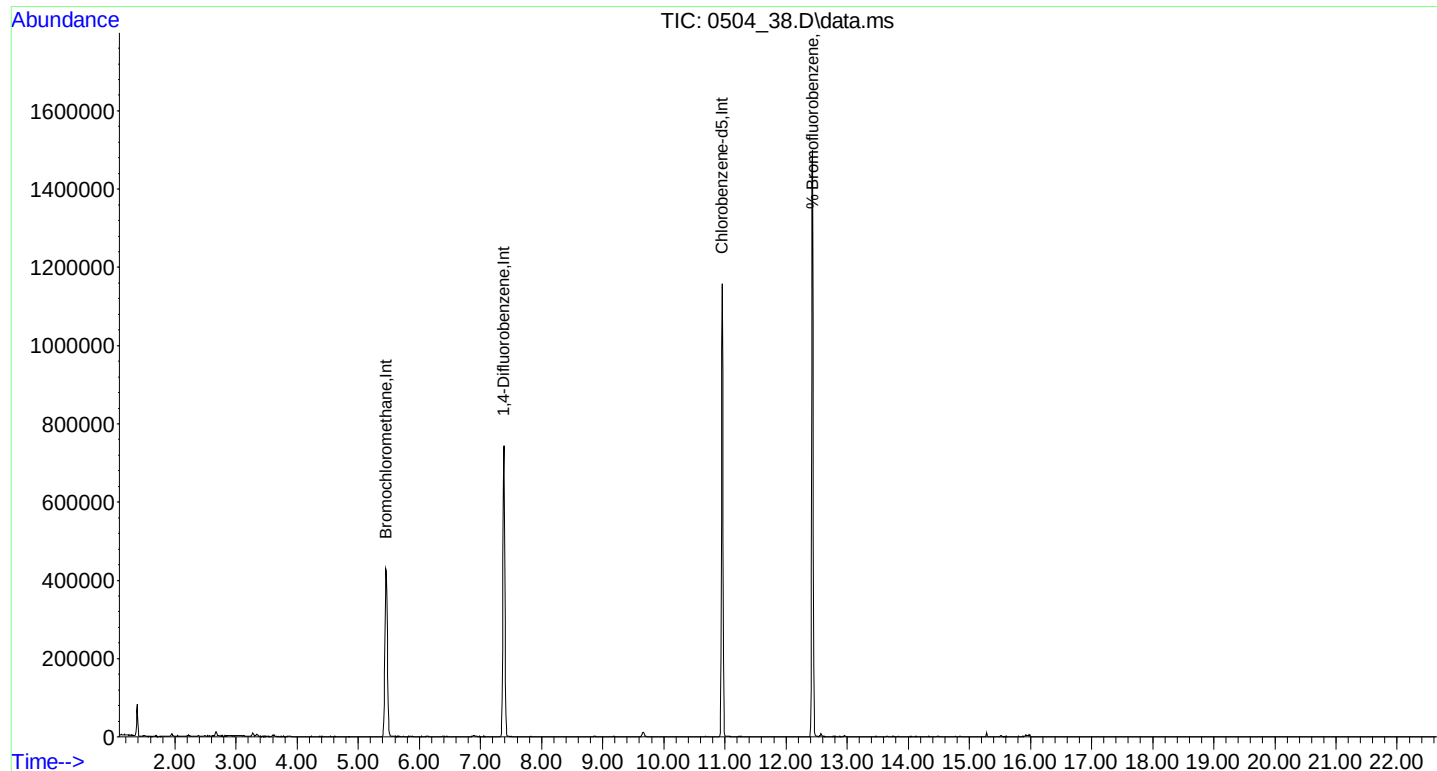
Internal Standards						
1) Bromochloromethane	5.453	130	208061	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.381	114	666135	10.000	ng	0.00
53) Chlorobenzene-d5	10.956	82	366210	10.000	ng	0.01
80) Bromochloromethane(sim)	5.456	130	222031	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.384	114	757928	10.000	ng	0.01
104) Chlorobenzene-d5(sim)	10.952	82	397709	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.435	95	488629	9.617	ppbv	0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.20%
Target Compounds						
10) Ethanol	2.677	45	5184	0.744	ppbv#	Qvalue 88

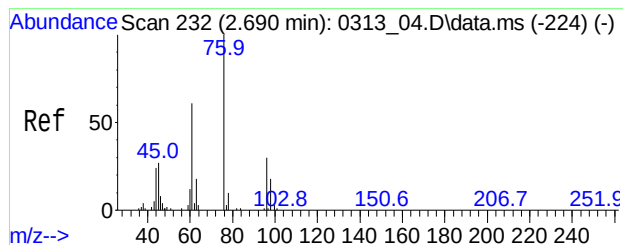
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\04\
 Data File : 0504_38.D
 Acq On : 5 May 2020 10:26 am
 Operator : Keith
 Client ID : CANISTER BLK 1880
 Lab ID : CANISTER BLK 1880
 ALS Vial : 36 Sample Multiplier: 1

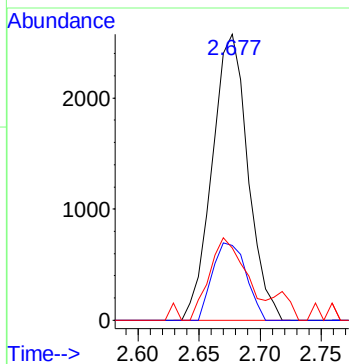
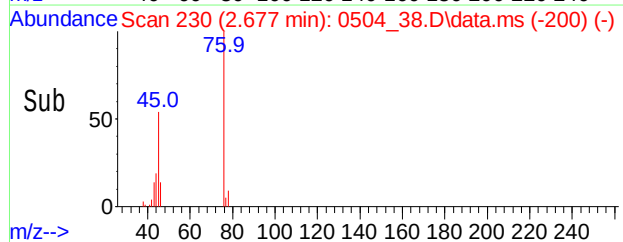
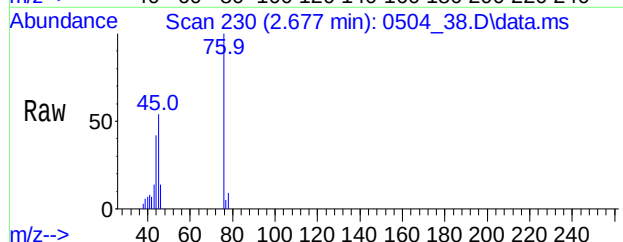
Quant Time: May 06 10:11:05 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0429.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 30 14:24:34 2020
 Response via : Initial Calibration





#10
 Ethanol
 Conc: 8\$ 0.744 ppbv
 RT: 2.677 min Scan# 230
 Delta R.T. 0.007 min
 Lab File: 0504_38.D
 Acq: 5 May 2020 10:26 am

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	5184		
46	25.3	23.9	35.9	
43	29.7	17.0	25.6	



Canister Cleaning Certification

Batch Id:	1880	Certified:	☒
QC Canister Id:	734	Certified Date:	5/5/2020 10:26:00 AM
Canister Ids:	13635, 13638, 13649, 16010, 173, 18258, 23348, 28552, 28565, 28610, 471, 734	Certified By:	adam
		Certified Computer:	ADAMX
		Sample Id:	blk 1880

Comment: Initial vacuum of all canisters in this batch is -30 psig.

2 Compounds > than RL

Data File: H:\AIR2020\CHEM24\05MAY\04\0504_38.D\0504_38-24AIR_0429.rr

% Bromofluorobenzene	9.617	1,1,1,2-Tetrachloroethane	0
1,1,1,2-Tetrachloroethane(sim)	0	1,1,1-Trichloroethane	0
1,1,1-Trichloroethane(sim)	0	1,1,2,2-Tetrachloroethane	0
1,1,2,2-Tetrachloroethane(sim)	0	1,1,2-Trichloroethane	0
1,1,2-Trichloroethane(sim)	0	1,1-Dichloroethane	0
1,1-Dichloroethane(sim)	0	1,1-Dichloroethene	0
1,1-Dichloroethene(sim)	0	1,2,4-Trichlorobenzene	0
1,2,4-Trichlorobenzene(sim)	0	1,2,4-Trimethylbenzene	0
1,2-Dibromoethane(EDB)	0	1,2-Dibromoethane(EDB)(sim)	0
1,2-Dichlorobenzene	0	1,2-Dichlorobenzene(sim)	0
1,2-Dichloroethane	0	1,2-Dichloroethane(sim)	0
1,2-dichloropropane	0	1,2-dichloropropane(sim)	0
1,2-Dichlorotetrafluoroethane	0	1,2-Dichlorotetrafluoroethane(sim)	0
1,3,5-Trimethylbenzene	0	1,3-Butadiene	0
1,3-Dichlorobenzene	0	1,3-Dichlorobenzene(sim)	0
1,4-Dichlorobenzene	0	1,4-Dichlorobenzene(sim)	0
1,4-Difluorobenzene	10	1,4-Difluorobenzene(sim)	10
1,4-Dioxane	0	1,4-Dioxane(sim)	0
2,2,4-trimethylpentane	0	2-Chlorotoluene	0
2-Hexanone(MBK)	0	4-Ethyltoluene	0
4-Isopropyltoluene	0	4-Isopropyltoluene(sim)	0
4-Methyl-2-pentanone(MIBK)	0	Acetone	0.2044
Acrylonitrile	0	Allyl Chloride	0
Benzene	0	Benzyl chloride	0
Benzyl chloride(sim)	0	Bromochloromethane	10
Bromochloromethane(sim)	10	Bromodichloromethane	0
Bromodichloromethane(sim)	0	Bromoform	0
Bromoform(sim)	0	Bromomethane	0
Bromomethane(sim)	0	Carbon Disulfide	0
Carbon Tetrachloride	0	Carbon Tetrachloride(sim)	0
Chlorobenzene	0	Chlorobenzene-d5	10
Chlorobenzene-d5(sim)	10	Chloroethane	0
Chloroform	0	Chloroform(sim)	0
Chloromethane	0	Cis-1,2-Dichloroethene	0
Cis-1,2-Dichloroethene(sim)	0	cis-1,3-Dichloropropene	0
cis-1,3-Dichloropropene(sim)	0	Cyclohexane	0
Dibromochloromethane	0	Dibromochloromethane(sim)	0
Dichlorodifluoromethane	0	Ethanol	0.7437
Ethyl acetate	0	Ethylbenzene	0
Heptane	0	Hexachlorobutadiene	0
Hexachlorobutadiene(sim)	0	Hexane	0
Isopropylalcohol	0	Isopropylbenzene	0
m,p-Xylene	0	m,p-Xylene(sim)	0
Methyl Ethyl Ketone	0	Methyl methacrylate	0
Methyl tert-butyl ether(MTBE)	0	Methylene Chloride	0.1993
n-Butylbenzene	0	n-Butylbenzene(sim)	0

Canister Cleaning Certification

Batch Id: 1880

Certified:



QC Canister Id: 734

Certified Date:

5/5/2020 10:26:00 AM

Canister Ids: 13635, 13638, 13649, 16010, 173, 18258, 23348, 28552, 28565, 28610, 471, 734

Certified By:

adam

Certified Computer:

ADAMX

Sample Id:

blk 1880

Comment: Initial vacuum of all canisters in this batch is -30 psig.

2 Compounds > than RL

Data File: H:\AIR2020\CHEM24\05MAY\04\0504_38.D\0504_38-24AIR_0429.rr

n-Propylbenzene	0	n-Propylbenzene(sim)	0
Naphthalene	0	o-Xylene	0
Propylene	0	sec-Butylbenzene	0
sec-Butylbenzene(sim)	0	Styrene	0
tert-butyl alcohol	0	tert-butylbenzene	0
tert-butylbenzene(sim)	0	Tetrachloroethene	0
Tetrachloroethene(sim)	0	Tetrahydrofuran	0
Toluene	0	Trans-1,2-Dichloroethene	0
Trans-1,2-Dichloroethene(sim)	0	trans-1,3-Dichloropropene	0
Trichloroethene	0	Trichloroethene(sim)	0
Trichlorofluoromethane	0	Trichlorofluoromethane(sim)	0
Trichlorotrifluoroethane	0	Trichlorotrifluoroethane(sim)	0
Vinyl Bromide	0	Vinyl Chloride	0
Vinyl Chloride(sim)	0		

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 1881

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CANISTER BLK 1881</u>
Canister:	<u>CANBL</u>	Lab File ID:	<u>0504_39.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u></u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u></u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>05/05/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.776		0.531	0.531	r
67-64-1	Acetone	0.421	U	0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 1881

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CANISTER BLK 1881
Canister:	CANBL	Lab File ID:	0504_39.D
Instrument:	CHEM24	Column:	
Purge Volume	200	(cc)	
Matrix:	AIR	Dilution Factor:	1
Date Received:			
Date Analyzed:	05/05/20		

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\05MAY\04\
 Data File : 0504_39.D
 Acq On : 5 May 2020 11:03 am
 Operator : Keith
 Client ID : CANISTER BLK 1881
 Lab ID : CANISTER BLK 1881
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: May 06 10:07:45 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0429.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 30 14:24:34 2020
 Response via : Initial Calibration

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

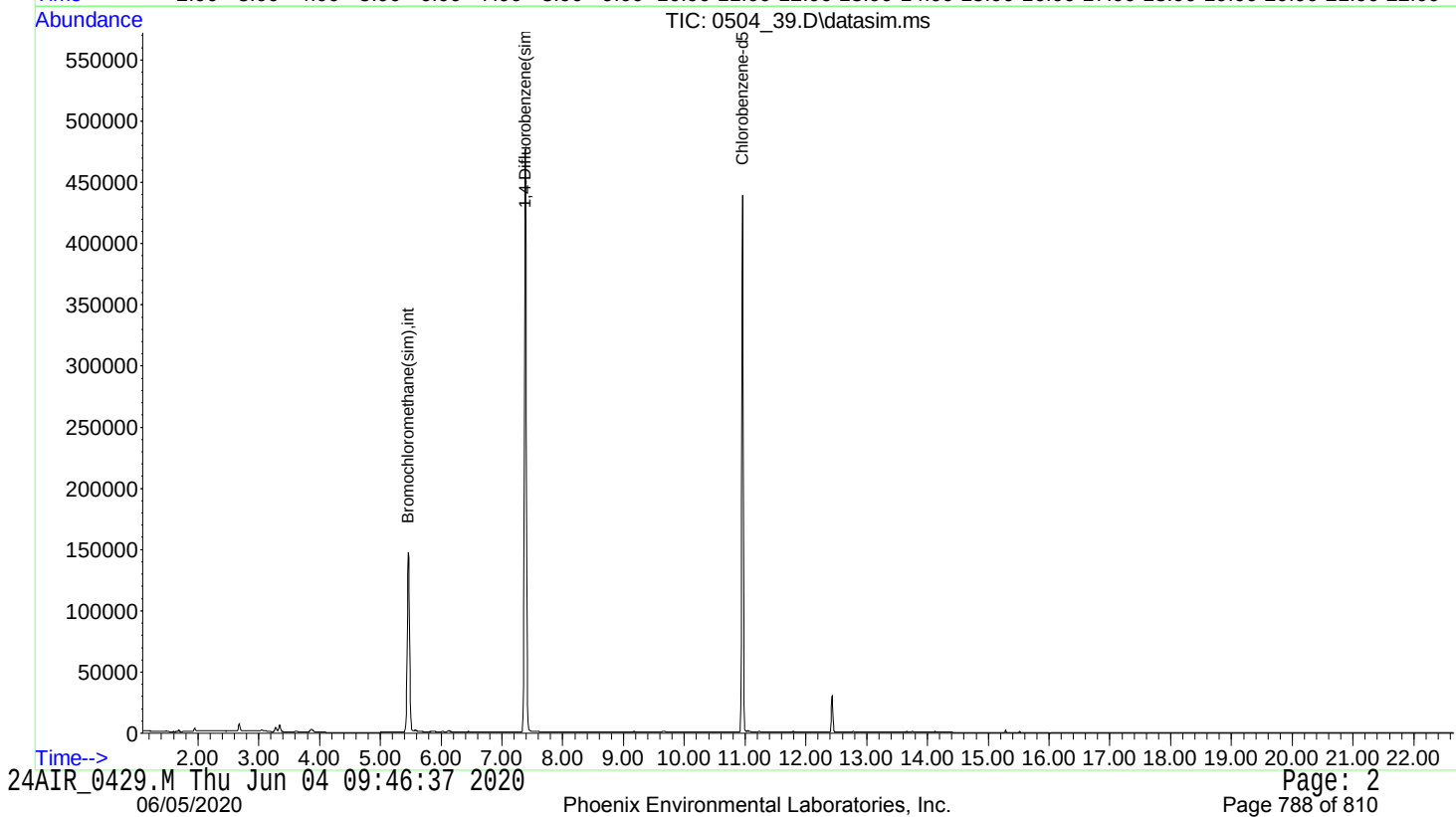
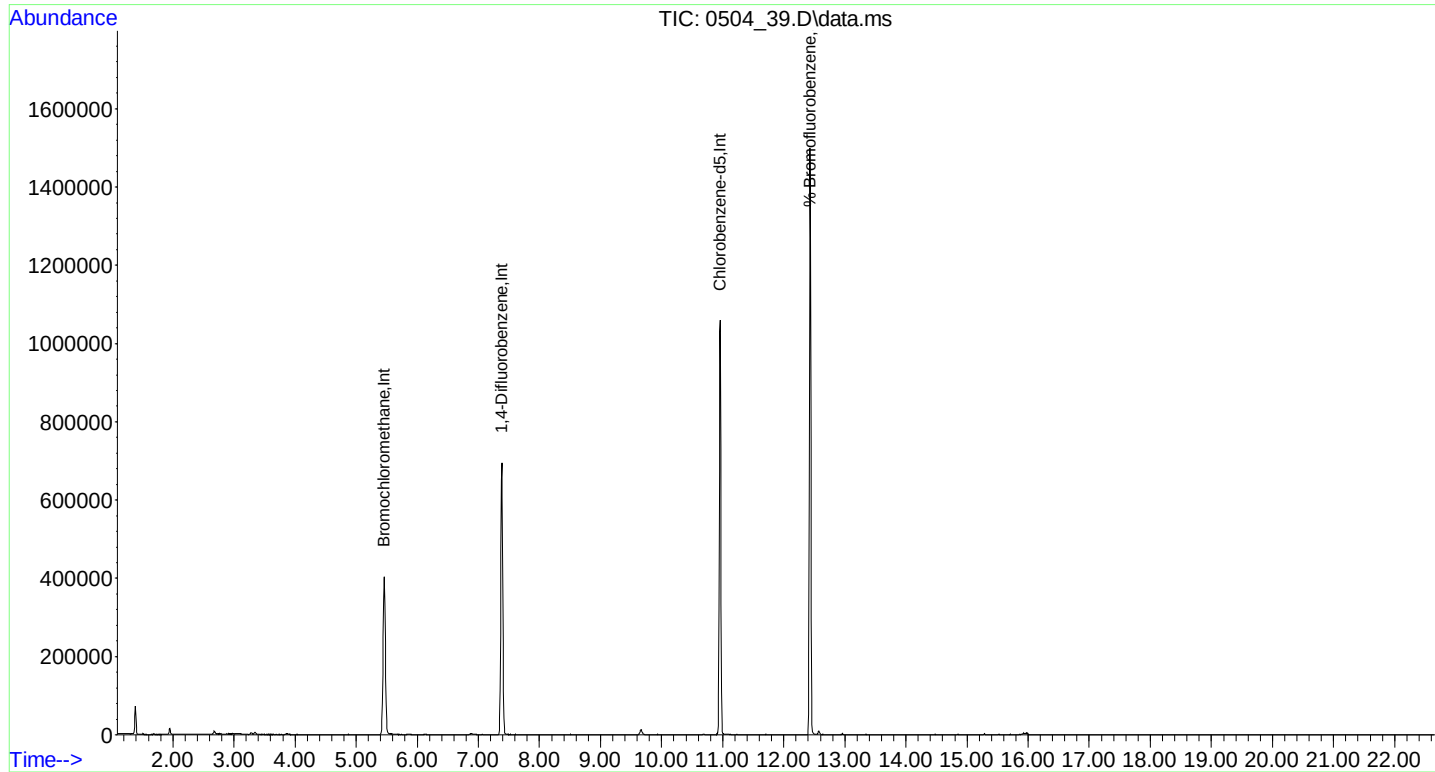
Internal Standards						
1) Bromochloromethane	5.456	130	196838	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.384	114	625732	10.000	ng	0.00
53) Chlorobenzene-d5	10.959	82	343083	10.000	ng	0.01
80) Bromochloromethane(sim)	5.459	130	208088	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.387	114	708652	10.000	ng	0.01
104) Chlorobenzene-d5(sim)	10.955	82	378209	10.000	ng	0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.431	95	466604	9.803	ppbv	0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.00%
Target Compounds						
10) Ethanol	2.677	45	5115	0.776	ppbv#	Qvalue 85

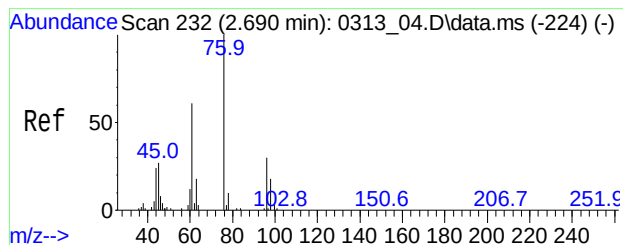
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2020\CHEM24\05MAY\04\
Data File : 0504_39.D
Acq On : 5 May 2020 11:03 am
Operator : Keith
Client ID : CANISTER BLK 1881
Lab ID : CANISTER BLK 1881
ALS Vial : 37 Sample Multiplier: 1

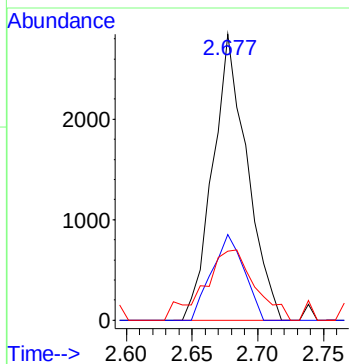
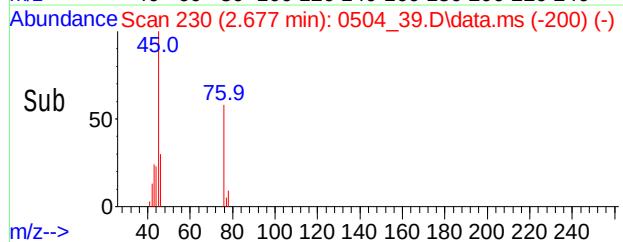
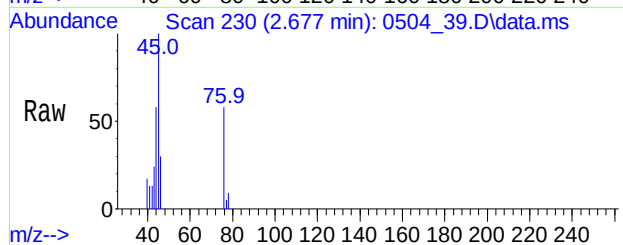
Quant Time: May 06 10:07:45 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0429.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 30 14:24:34 2020
Response via : Initial Calibration





#10
 Ethanol
 Conc: 8\$ 0.776 ppbv
 RT: 2.677 min Scan# 230
 Delta R.T. 0.007 min
 Lab File: 0504_39.D
 Acq: 5 May 2020 11:03 am

Tgt Ion	Ratio	Lower	Upper
45	100		
46	28.2	23.9	35.9
43	36.4	17.0	25.6



Canister Cleaning Certification

Batch Id:	1881	Certified:	☒
QC Canister Id:	745	Certified Date:	5/5/2020 11:03:00 AM
Canister Ids:	11290, 12871, 17157, 19924, 21318, 21368, 215, 28557, 28560, 28599, 745	Certified By:	adam
		Certified Computer:	ADAMX
		Sample Id:	blk 1881

Comment: Initial vacuum of all canisters in this batch is -30 psig.

1 Compounds > than RL

Data File: H:\AIR2020\CHEM24\05MAY\04\0504_39.D\0504_39-24AIR_0429.rr

% Bromofluorobenzene	9.8026	1,1,1,2-Tetrachloroethane	0
1,1,1,2-Tetrachloroethane(sim)	0	1,1,1-Trichloroethane	0
1,1,1-Trichloroethane(sim)	0	1,1,2,2-Tetrachloroethane	0
1,1,2,2-Tetrachloroethane(sim)	0	1,1,2-Trichloroethane	0
1,1,2-Trichloroethane(sim)	0	1,1-Dichloroethane	0
1,1-Dichloroethane(sim)	0	1,1-Dichloroethene	0
1,1-Dichloroethene(sim)	0	1,2,4-Trichlorobenzene	0
1,2,4-Trichlorobenzene(sim)	0	1,2,4-Trimethylbenzene	0
1,2-Dibromoethane(EDB)	0	1,2-Dibromoethane(EDB)(sim)	0
1,2-Dichlorobenzene	0	1,2-Dichlorobenzene(sim)	0
1,2-Dichloroethane	0	1,2-Dichloroethane(sim)	0
1,2-dichloropropane	0	1,2-dichloropropane(sim)	0
1,2-Dichlorotetrafluoroethane	0	1,2-Dichlorotetrafluoroethane(sim)	0
1,3,5-Trimethylbenzene	0	1,3-Butadiene	0
1,3-Dichlorobenzene	0	1,3-Dichlorobenzene(sim)	0
1,4-Dichlorobenzene	0	1,4-Dichlorobenzene(sim)	0
1,4-Difluorobenzene	10	1,4-Difluorobenzene(sim)	10
1,4-Dioxane	0	1,4-Dioxane(sim)	0
2,2,4-trimethylpentane	0	2-Chlorotoluene	0
2-Hexanone(MBK)	0	4-Ethyltoluene	0
4-Isopropyltoluene	0	4-Isopropyltoluene(sim)	0
4-Methyl-2-pentanone(MIBK)	0	Acetone	0.1951
Acrylonitrile	0	Allyl Chloride	0
Benzene	0	Benzyl chloride	0
Benzyl chloride(sim)	0	Bromochloromethane	10
Bromochloromethane(sim)	10	Bromodichloromethane	0
Bromodichloromethane(sim)	0	Bromoform	0
Bromoform(sim)	0	Bromomethane	0
Bromomethane(sim)	0	Carbon Disulfide	0
Carbon Tetrachloride	0	Carbon Tetrachloride(sim)	0
Chlorobenzene	0	Chlorobenzene-d5	10
Chlorobenzene-d5(sim)	10	Chloroethane	0
Chloroform	0	Chloroform(sim)	0
Chloromethane	0	Cis-1,2-Dichloroethene	0
Cis-1,2-Dichloroethene(sim)	0	cis-1,3-Dichloropropene	0
cis-1,3-Dichloropropene(sim)	0	Cyclohexane	0
Dibromochloromethane	0	Dibromochloromethane(sim)	0
Dichlorodifluoromethane	0	Ethanol	0.7757
Ethyl acetate	0	Ethylbenzene	0
Heptane	0	Hexachlorobutadiene	0
Hexachlorobutadiene(sim)	0	Hexane	0
Isopropylalcohol	0	Isopropylbenzene	0
m,p-Xylene	0	m,p-Xylene(sim)	0
Methyl Ethyl Ketone	0	Methyl methacrylate	0
Methyl tert-butyl ether(MTBE)	0	Methylene Chloride	0
n-Butylbenzene	0	n-Butylbenzene(sim)	0

Canister Cleaning Certification

Batch Id:	1881	Certified:	☒
QC Canister Id:	745	Certified Date:	5/5/2020 11:03:00 AM
Canister Ids:	11290, 12871, 17157, 19924, 21318, 21368, 215, 28557, 28560, 28599, 745	Certified By:	adam
		Certified Computer:	ADAMX
		Sample Id:	blk 1881

Comment: Initial vacuum of all canisters in this batch is -30 psig.

1 Compounds > than RL

Data File: H:\AIR2020\CHEM24\05MAY\04\0504_39.D\0504_39-24AIR_0429.rr

n-Propylbenzene	0	n-Propylbenzene(sim)	0
Naphthalene	0	o-Xylene	0
Propylene	0	sec-Butylbenzene	0
sec-Butylbenzene(sim)	0	Styrene	0
tert-butyl alcohol	0	tert-butylbenzene	0
tert-butylbenzene(sim)	0	Tetrachloroethene	0
Tetrachloroethene(sim)	0	Tetrahydrofuran	0
Toluene	0	Trans-1,2-Dichloroethene	0
Trans-1,2-Dichloroethene(sim)	0	trans-1,3-Dichloropropene	0
Trichloroethene	0	Trichloroethene(sim)	0
Trichlorofluoromethane	0	Trichlorofluoromethane(sim)	0
Trichlorotrifluoroethane	0	Trichlorotrifluoroethane(sim)	0
Vinyl Bromide	0	Vinyl Chloride	0
Vinyl Chloride(sim)	0		

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 1882

Client:	<u>KLEINFL-AIR</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG03886</u>	Lab Sample ID:	<u>CANISTER BLK 1882</u>
Canister:	<u>CANBL</u>	Lab File ID:	<u>0509_06.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u> </u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u> </u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>05/09/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.421	U	0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 1882

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CANISTER BLK 1882
Canister:	CANBL	Lab File ID:	0509_06.D
Instrument:	CHEM24	Column:	
Purge Volume	200	(cc)	Date Received:
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\05MAY\08\
Data File : 0509_06.D
Acq On : 9 May 2020 4:57 am
Operator : Keith
Client ID : CANISTER BLK 1882
Lab ID : CANISTER BLK 1882
ALS Vial : 176 Sample Multiplier: 1

Quant Time: May 11 09:02:49 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0429.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Thu Apr 30 14:24:34 2020
Response via : Initial Calibration

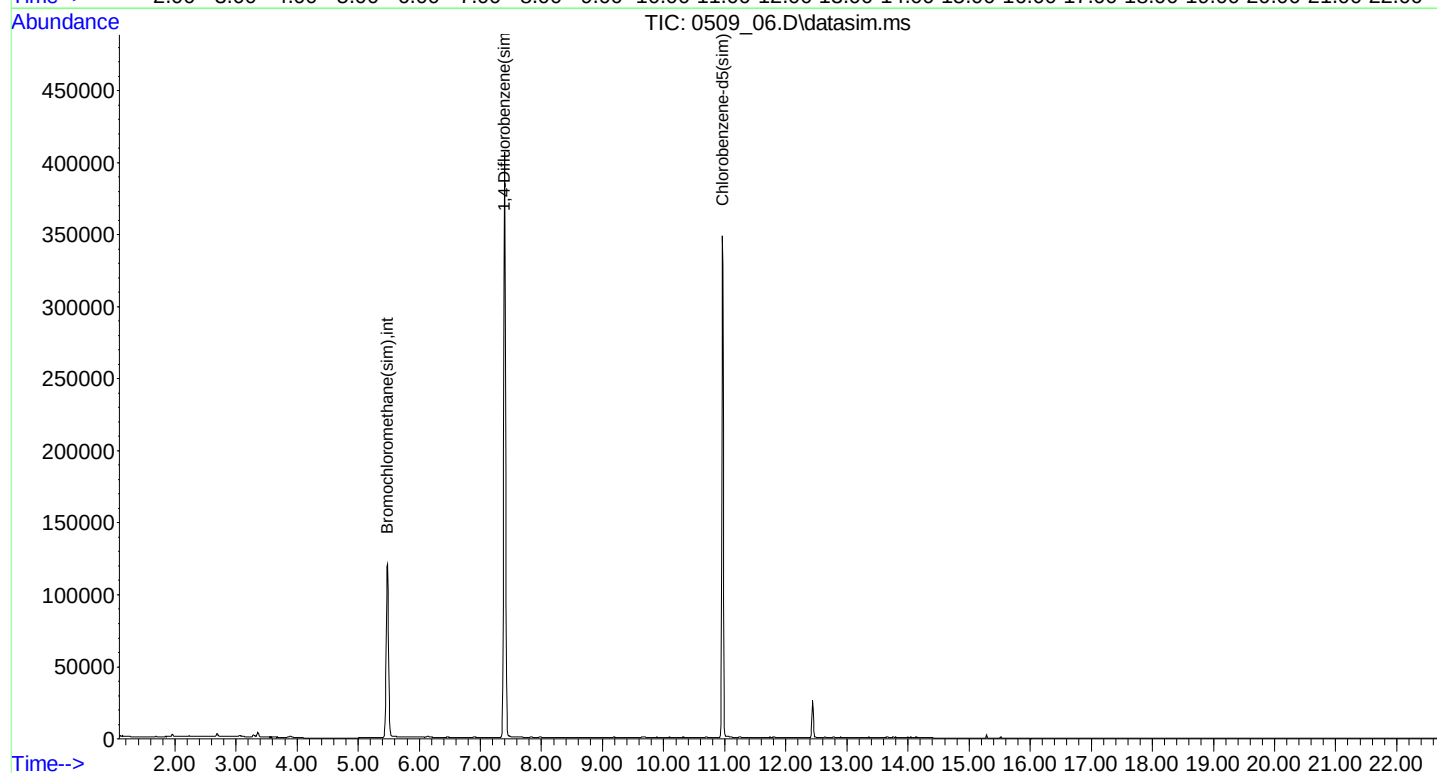
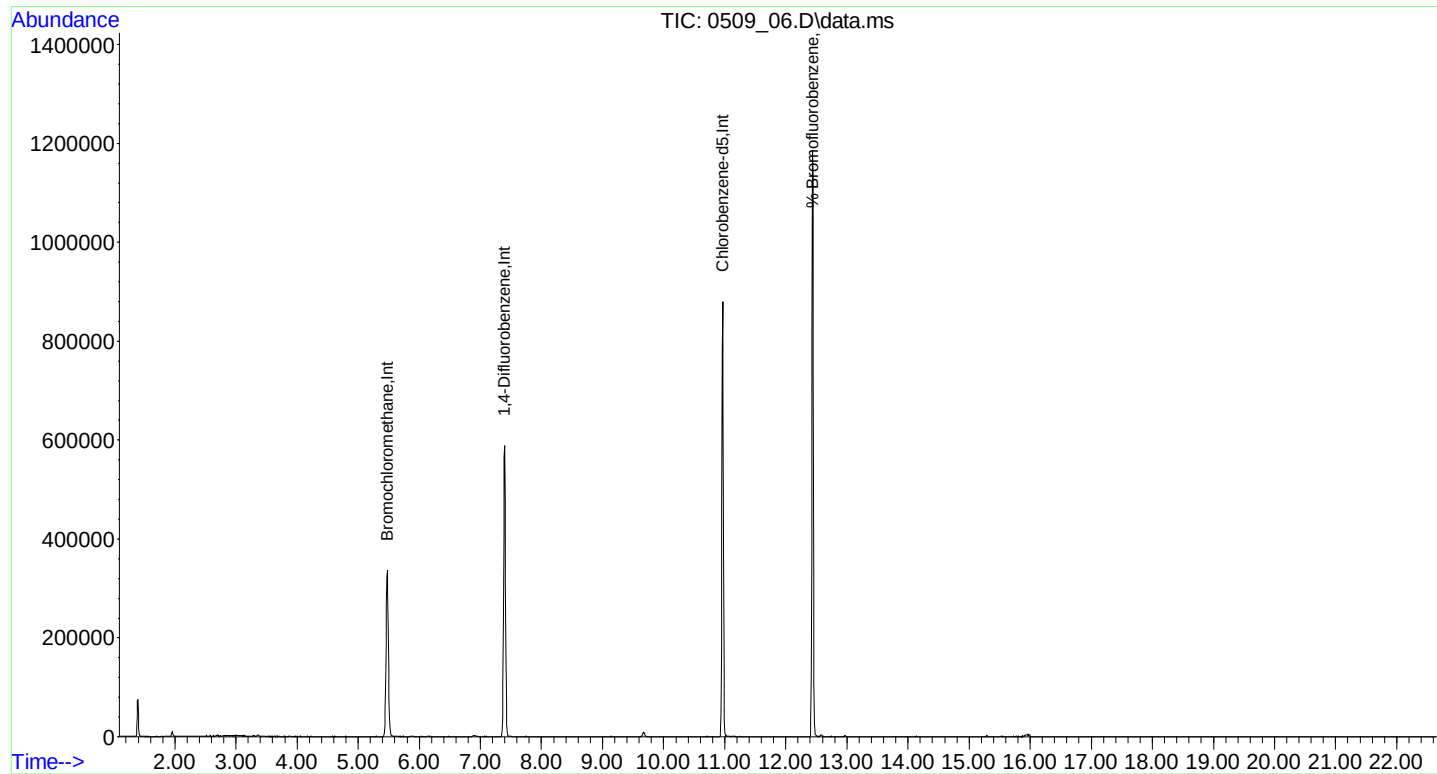
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.478	130	159363	10.000	ng	0.03
36) 1,4-Difluorobenzene	7.398	114	503535	10.000	ng	0.02
53) Chlorobenzene-d5	10.966	82	278966	10.000	ng	0.02
80) Bromochloromethane(sim)	5.481	130	169876	10.000	ng	# 0.03
94) 1,4-Difluorobenzene(sim)	7.394	114	575819	10.000	ng	0.02
104) Chlorobenzene-d5(sim)	10.962	82	307740	10.000	ng	0.02
System Monitoring Compounds						
62) % Bromofluorobenzene	12.437	95	373589	9.652	ppbv	0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.50%

Target Compounds	Qvalue

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

Data Path : H:\AIR2020\CHEM24\05MAY\08\
Data File : 0509_06.D
Acq On : 9 May 2020 4:57 am
Operator : Keith
Client ID : CANISTER BLK 1882
Lab ID : CANISTER BLK 1882
ALS Vial : 176 Sample Multiplier: 1

Quant Time: May 11 09:02:49 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0429.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Thu Apr 30 14:24:34 2020
Response via : Initial Calibration



Canister Cleaning Certification

Batch Id:	1882	Certified:	☒
QC Canister Id:	733	Certified Date:	5/9/2020 4:57:00 AM
Canister Ids:	11257, 12859, 12864, 13651, 19786, 21359, 21361, 23349, 23350, 28562, 28614, 733	Certified By:	airlab
		Certified Computer:	CHEM13XP0609
		Sample Id:	blk 1882

Comment: Initial vacuum of all canisters in this batch is -30 psig.

Data File: H:\AIR2020\CHEM24\05MAY\08\0509_06.D\0509_06-24AIR_0429.rr

Analyte	Result (ppbv)	Analyte	Result (ppbv)
% Bromofluorobenzene	9.6524	1,1,1,2-Tetrachloroethane	0
1,1,1,2-Tetrachloroethane(sim)	0	1,1,1-Trichloroethane	0
1,1,1-Trichloroethane(sim)	0	1,1,2,2-Tetrachloroethane	0
1,1,2,2-Tetrachloroethane(sim)	0	1,1,2-Trichloroethane	0
1,1,2-Trichloroethane(sim)	0	1,1-Dichloroethane	0
1,1-Dichloroethane(sim)	0	1,1-Dichloroethene	0
1,1-Dichloroethene(sim)	0	1,2,4-Trichlorobenzene	0
1,2,4-Trichlorobenzene(sim)	0	1,2,4-Trimethylbenzene	0
1,2-Dibromoethane(EDB)	0	1,2-Dibromoethane(EDB)(sim)	0
1,2-Dichlorobenzene	0	1,2-Dichlorobenzene(sim)	0
1,2-Dichloroethane	0	1,2-Dichloroethane(sim)	0
1,2-dichloropropane	0	1,2-dichloropropane(sim)	0
1,2-Dichlorotetrafluoroethane	0	1,2-Dichlorotetrafluoroethane(sim)	0
1,3,5-Trimethylbenzene	0	1,3-Butadiene	0
1,3-Dichlorobenzene	0	1,3-Dichlorobenzene(sim)	0
1,4-Dichlorobenzene	0	1,4-Dichlorobenzene(sim)	0
1,4-Difluorobenzene	10	1,4-Difluorobenzene(sim)	10
1,4-Dioxane	0	1,4-Dioxane(sim)	0
2,2,4-trimethylpentane	0	2-Chlorotoluene	0
2-Hexanone(MBK)	0	4-Ethyltoluene	0
4-Isopropyltoluene	0	4-Isopropyltoluene(sim)	0
4-Methyl-2-pentanone(MIBK)	0	Acetone	0
Acrylonitrile	0	Allyl Chloride	0
Benzene	0	Benzyl chloride	0
Benzyl chloride(sim)	0	Bromochloromethane	10
Bromochloromethane(sim)	10	Bromodichloromethane	0
Bromodichloromethane(sim)	0	Bromoform	0
Bromoform(sim)	0	Bromomethane	0
Bromomethane(sim)	0	Carbon Disulfide	0
Carbon Tetrachloride	0	Carbon Tetrachloride(sim)	0
Chlorobenzene	0	Chlorobenzene-d5	10
Chlorobenzene-d5(sim)	10	Chloroethane	0
Chloroform	0	Chloroform(sim)	0
Chloromethane	0	Cis-1,2-Dichloroethene	0
Cis-1,2-Dichloroethene(sim)	0	cis-1,3-Dichloropropene	0
cis-1,3-Dichloropropene(sim)	0	Cyclohexane	0
Dibromochloromethane	0	Dibromochloromethane(sim)	0
Dichlorodifluoromethane	0	Ethanol	0
Ethyl acetate	0	Ethylbenzene	0
Heptane	0	Hexachlorobutadiene	0
Hexachlorobutadiene(sim)	0	Hexane	0
Isopropylalcohol	0	Isopropylbenzene	0
m,p-Xylene	0	m,p-Xylene(sim)	0
Methyl Ethyl Ketone	0	Methyl methacrylate	0
Methyl tert-butyl ether(MTBE)	0	Methylene Chloride	0
n-Butylbenzene	0	n-Butylbenzene(sim)	0

Canister Cleaning Certification

Batch Id: 1882

Certified: ☒

QC Canister Id: 733

Certified Date: 5/9/2020 4:57:00 AM

Canister Ids: 11257, 12859, 12864, 13651, 19786, 21359, 21361, 23349,
23350, 28562, 28614, 733

Certified By: airlab

Certified Computer: CHEM13XP0609

Sample Id: blk 1882

Comment: Initial vacuum of all canisters in this batch is -30 psig.

Data File: H:\AIR2020\CHEM24\05MAY\08\0509_06.D\0509_06-24AIR_0429.rr

Analyte	Result (ppbv)	Analyte	Result (ppbv)
n-Propylbenzene	0	n-Propylbenzene(sim)	0
Naphthalene	0	o-Xylene	0
Propylene	0	sec-Butylbenzene	0
sec-Butylbenzene(sim)	0	Styrene	0
tert-butyl alcohol	0	tert-butylbenzene	0
tert-butylbenzene(sim)	0	Tetrachloroethene	0
Tetrachloroethene(sim)	0	Tetrahydrofuran	0
Toluene	0	Trans-1,2-Dichloroethene	0
Trans-1,2-Dichloroethene(sim)	0	trans-1,3-Dichloropropene	0
Trichloroethene	0	Trichloroethene(sim)	0
Trichlorofluoromethane	0	Trichlorofluoromethane(sim)	0
Trichlorotrifluoroethane	0	Trichlorotrifluoroethane(sim)	0
Vinyl Bromide	0	Vinyl Chloride	0
Vinyl Chloride(sim)	0		

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 1884

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CANISTER BLK 1884
Canister:	CANBL	Lab File ID:	0509_08.D
Instrument:	CHEM24	Column:	
Purge Volume	200	(cc)	
Matrix:	AIR	Dilution Factor:	1
Date Received:			
Date Analyzed:	05/09/20		

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.421	U	0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.864	U	0.864	0.864	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r

FORM I AIR

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

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 1884

Client:	KLEINFL-AIR	Lab:	Phoenix Env. Labs
SDG No.:	GCG03886	Lab Sample ID:	CANISTER BLK 1884
Canister:	CANBL	Lab File ID:	0509_08.D
Instrument:	CHEM24	Column:	
Purge Volume	200	(cc)	Date Received:
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
630-20-6	1,1,1,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

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

Data Path : H:\AIR2020\CHEM24\05MAY\08\
 Data File : 0509_08.D
 Acq On : 9 May 2020 6:12 am
 Operator : Keith
 Client ID : CANISTER BLK 1884
 Lab ID : CANISTER BLK 1884
 ALS Vial : 178 Sample Multiplier: 1

Quant Time: May 11 09:03:06 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0429.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Thu Apr 30 14:24:34 2020
 Response via : Initial Calibration

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

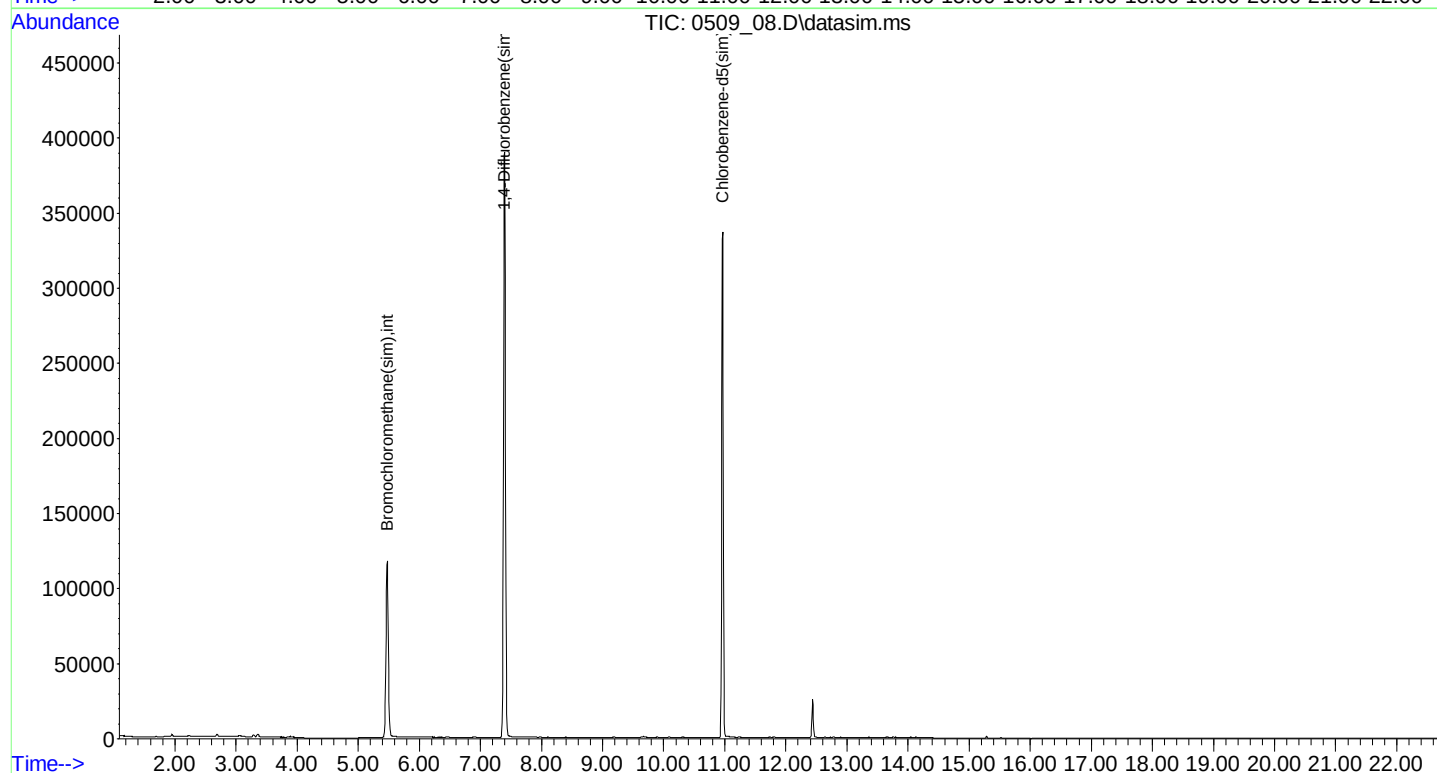
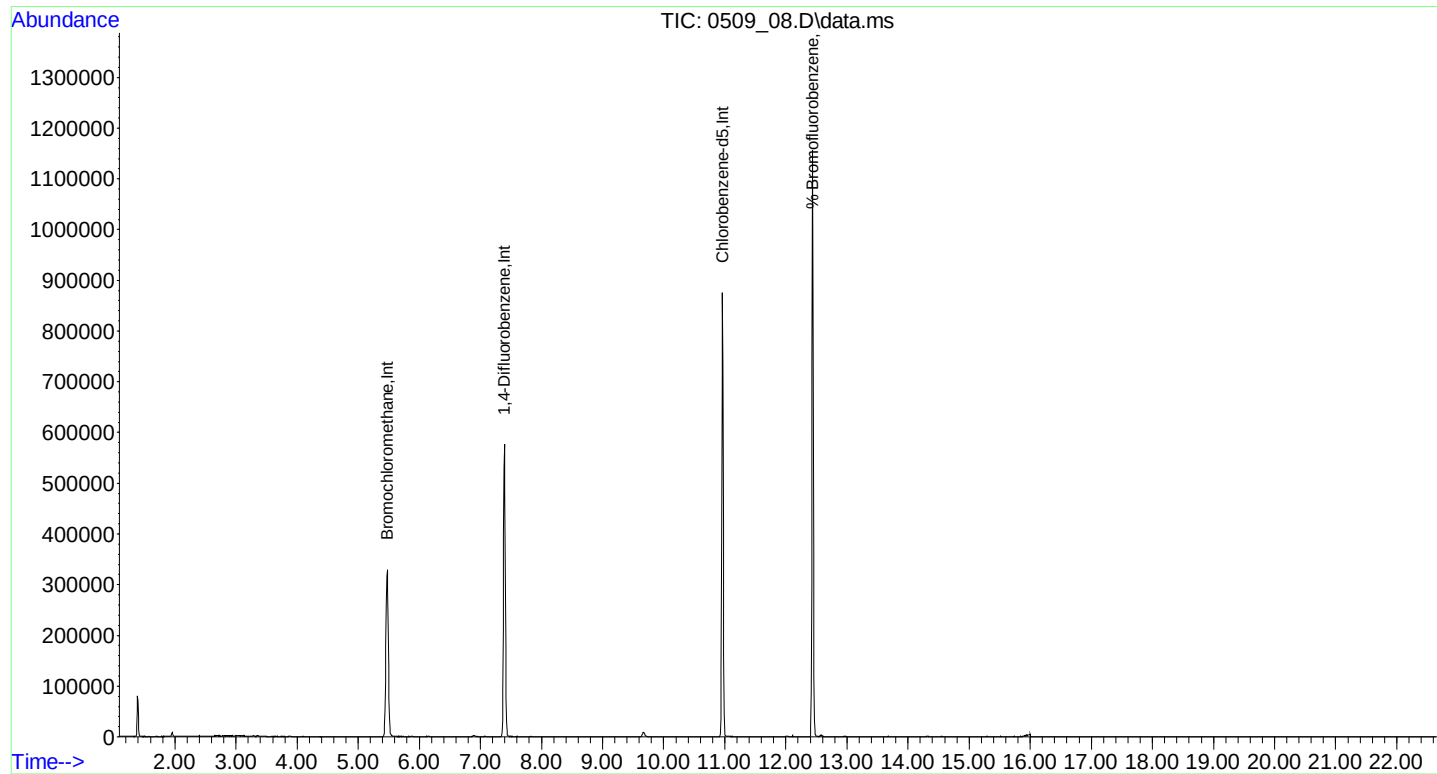
Internal Standards						
1) Bromochloromethane	5.475	130	153169	10.000	ng	0.03
36) 1,4-Difluorobenzene	7.395	114	487825	10.000	ng	0.02
53) Chlorobenzene-d5	10.963	82	270314	10.000	ng	0.02
80) Bromochloromethane(sim)	5.478	130	165043	10.000	ng	# 0.03
94) 1,4-Difluorobenzene(sim)	7.398	114	560649	10.000	ng	0.02
104) Chlorobenzene-d5(sim)	10.966	82	298636	10.000	ng	0.02
System Monitoring Compounds						
62) % Bromofluorobenzene	12.441	95	363511	9.693	ppbv	0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.90%

Target Compounds	Qvalue

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

Data Path : H:\AIR2020\CHEM24\05MAY\08\
Data File : 0509_08.D
Acq On : 9 May 2020 6:12 am
Operator : Keith
Client ID : CANISTER BLK 1884
Lab ID : CANISTER BLK 1884
ALS Vial : 178 Sample Multiplier: 1

Quant Time: May 11 09:03:06 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0429.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Thu Apr 30 14:24:34 2020
Response via : Initial Calibration



Canister Cleaning Certification

Batch Id:	1884	Certified:	☒
QC Canister Id:	568	Certified Date:	5/9/2020 6:12:00 AM
Canister Ids:	12862, 13634, 13645, 21320, 21356, 21369, 28559, 28568, 456, 466, 484, 568	Certified By:	airlab
		Certified Computer:	CHEM13XP0609
		Sample Id:	blk 1884

Comment: Initial vacuum of all canisters in this batch is -30 psig.

Data File: H:\AIR2020\CHEM24\05MAY\08\0509_08.D\0509_08-24AIR_0429.rr

Analyte	Result (ppbv)	Analyte	Result (ppbv)
% Bromofluorobenzene	9.6926	1,1,1,2-Tetrachloroethane	0
1,1,1,2-Tetrachloroethane(sim)	0	1,1,1-Trichloroethane	0
1,1,1-Trichloroethane(sim)	0	1,1,2,2-Tetrachloroethane	0
1,1,2,2-Tetrachloroethane(sim)	0	1,1,2-Trichloroethane	0
1,1,2-Trichloroethane(sim)	0	1,1-Dichloroethane	0
1,1-Dichloroethane(sim)	0	1,1-Dichloroethene	0
1,1-Dichloroethene(sim)	0	1,2,4-Trichlorobenzene	0
1,2,4-Trichlorobenzene(sim)	0	1,2,4-Trimethylbenzene	0
1,2-Dibromoethane(EDB)	0	1,2-Dibromoethane(EDB)(sim)	0
1,2-Dichlorobenzene	0	1,2-Dichlorobenzene(sim)	0
1,2-Dichloroethane	0	1,2-Dichloroethane(sim)	0
1,2-dichloropropane	0	1,2-dichloropropane(sim)	0
1,2-Dichlorotetrafluoroethane	0	1,2-Dichlorotetrafluoroethane(sim)	0
1,3,5-Trimethylbenzene	0	1,3-Butadiene	0
1,3-Dichlorobenzene	0	1,3-Dichlorobenzene(sim)	0
1,4-Dichlorobenzene	0	1,4-Dichlorobenzene(sim)	0
1,4-Difluorobenzene	10	1,4-Difluorobenzene(sim)	10
1,4-Dioxane	0	1,4-Dioxane(sim)	0
2,2,4-trimethylpentane	0	2-Chlorotoluene	0
2-Hexanone(MBK)	0	4-Ethyltoluene	0
4-Isopropyltoluene	0	4-Isopropyltoluene(sim)	0
4-Methyl-2-pentanone(MIBK)	0	Acetone	0
Acrylonitrile	0	Allyl Chloride	0
Benzene	0	Benzyl chloride	0
Benzyl chloride(sim)	0	Bromochloromethane	10
Bromochloromethane(sim)	10	Bromodichloromethane	0
Bromodichloromethane(sim)	0	Bromoform	0
Bromoform(sim)	0	Bromomethane	0
Bromomethane(sim)	0	Carbon Disulfide	0
Carbon Tetrachloride	0	Carbon Tetrachloride(sim)	0
Chlorobenzene	0	Chlorobenzene-d5	10
Chlorobenzene-d5(sim)	10	Chloroethane	0
Chloroform	0	Chloroform(sim)	0
Chloromethane	0	Cis-1,2-Dichloroethene	0
Cis-1,2-Dichloroethene(sim)	0	cis-1,3-Dichloropropene	0
cis-1,3-Dichloropropene(sim)	0	Cyclohexane	0
Dibromochloromethane	0	Dibromochloromethane(sim)	0
Dichlorodifluoromethane	0	Ethanol	0
Ethyl acetate	0	Ethylbenzene	0
Heptane	0	Hexachlorobutadiene	0
Hexachlorobutadiene(sim)	0	Hexane	0
Isopropylalcohol	0	Isopropylbenzene	0
m,p-Xylene	0	m,p-Xylene(sim)	0
Methyl Ethyl Ketone	0	Methyl methacrylate	0
Methyl tert-butyl ether(MTBE)	0	Methylene Chloride	0
n-Butylbenzene	0	n-Butylbenzene(sim)	0

Canister Cleaning Certification

Batch Id: 1884**Certified:** ☒**QC Canister Id:** 568**Certified Date:** 5/9/2020 6:12:00 AM**Canister Ids:** 12862, 13634, 13645, 21320, 21356, 21369, 28559, 28568, 456, 466, 484, 568**Certified By:** airlab**Certified Computer:** CHEM13XP0609**Sample Id:** blk 1884**Comment:** Initial vacuum of all canisters in this batch is -30 psig.**Data File:** H:\AIR2020\CHEM24\05MAY\08\0509_08.D\0509_08-24AIR_0429.rr

Analyte	Result (ppbv)	Analyte	Result (ppbv)
n-Propylbenzene	0	n-Propylbenzene(sim)	0
Naphthalene	0	o-Xylene	0
Propylene	0	sec-Butylbenzene	0
sec-Butylbenzene(sim)	0	Styrene	0
tert-butyl alcohol	0	tert-butylbenzene	0
tert-butylbenzene(sim)	0	Tetrachloroethene	0
Tetrachloroethene(sim)	0	Tetrahydrofuran	0
Toluene	0	Trans-1,2-Dichloroethene	0
Trans-1,2-Dichloroethene(sim)	0	trans-1,3-Dichloropropene	0
Trichloroethene	0	Trichloroethene(sim)	0
Trichlorofluoromethane	0	Trichlorofluoromethane(sim)	0
Trichlorotrifluoroethane	0	Trichlorotrifluoroethane(sim)	0
Vinyl Bromide	0	Vinyl Chloride	0
Vinyl Chloride(sim)	0		

Injection Log

Data Directory: H:\AIR2020\CHEM20\05MAY\22\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	0	0522_19.D	XXXXXXXXXX		N/A
2)	3	0522_01.D	XXXXXXXXXX		05/22/20 11:51
3)	4	0522_02.D	BFB TUNE	0/0	05/22/20 12:25
4)	3	0522_03.D	ICAL 0.02	0.02	05/22/20 13:01
5)	4	0522_04.D	ICAL 0.035	0.035	05/22/20 13:37
6)	5	0522_05.D	ICAL 0.05	0.05	05/22/20 14:13
7)	6	0522_06.D	ICAL 0.1	0.1	05/22/20 14:49
8)	7	0522_07.D	ICAL 0.5	0.5	05/22/20 15:27
9)	8	0522_08.D	ICAL 2.5	2.5	05/22/20 16:05
10)	9	0522_09.D	ICAL 5	5.0	05/22/20 16:41
11)	10	0522_10.D	ICAL 25	25	05/22/20 17:19
12)	11	0522_11.D	ICAL 40	40	05/22/20 17:59
13)	12	0522_12.D	XXXXXXXXXX		05/22/20 18:34
14)	13	0522_13.D	ICAL 1	1.0ppb cc	05/22/20 19:10
15)	14	0522_14.D	ICAL 0.2	0.2ppb	05/22/20 19:47
16)	15	0522_15.D	ICAL 10	10ppb cc	05/22/20 20:23
17)	16	0522_16.D	XXXXXXXXXX		05/22/20 21:01
18)	17	0522_17.D	XXXXXXXXXX		05/22/20 21:36
19)	18	0522_18.D	XXXXXXXXXX		05/22/20 22:10

Injection Log

Data Directory: H:\AIR2020\CHEM20\06JUN\01\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	0	0602_06.D	XXXXXXXXXX		N/A
2)	0	0601_04.D	XXXXXXXXXX		N/A
3)	1	0601_01.D	XXXXXXXXXX		06/01/20 6:09
4)	6	0601_02.D	XXXXXXXXXX		06/01/20 6:45
5)	6	0601_03.D	XXXXXXXXXX		06/01/20 7:23
6)	4	0601_05.D	BFB TUNE - CCAL 1	1ppb cc - 1ppb cc	06/01/20 10:23
7)	3	0601_06.D	XXXXXXXXXX		06/01/20 11:00
8)	4	0601_07.D	CG03912 LCS	CG03912 LCS	06/01/20 11:37
9)	5	0601_08.D	XXXXXXXXXX		06/01/20 12:12
10)	6	0601_09.D	CG03912 BLANK	CG03912 BLANK	06/01/20 12:46
11)	7	0601_10.D	IA-9	CG03901	06/01/20 13:29
12)	8	0601_11.D	IA-3	CG03902	06/01/20 14:10
13)	9	0601_12.D	IA-4	CG03903	06/01/20 14:51
14)	10	0601_13.D	IA-7	CG03904	06/01/20 15:32
15)	11	0601_14.D	IA-2	CG03905	06/01/20 16:13
16)	12	0601_15.D	IA-6	CG03906	06/01/20 16:53
17)	13	0601_16.D	IA-5D	CG03907	06/01/20 17:34
18)	14	0601_17.D	IA-1	CG03908	06/01/20 18:15
19)	15	0601_18.D	IA-5	CG03909	06/01/20 18:56
20)	16	0601_19.D	BLOWER-1	CG03911	06/01/20 19:37
21)	17	0601_20.D	BLOWER-3D	CG03912	06/01/20 20:17
22)	18	0601_21.D	BLOWER-3D DUP	CG03912 DUP	06/01/20 20:58
23)	19	0601_22.D	BLOWER-3	CG03913	06/01/20 21:38
24)	20	0601_23.D	XXXXXXXXXX		06/01/20 23:12
25)	21	0602_01.D	BLOWER-1 20X	CG03911 20X	06/01/20 23:49
26)	22	0602_02.D	XXXXXXXXXX		06/02/20 0:26
27)	23	0602_03.D	XXXXXXXXXX		06/02/20 1:03
28)	24	0602_04.D	XXXXXXXXXX		06/02/20 1:40
29)	25	0602_05.D	XXXXXXXXXX		06/02/20 2:16

Injection Log

Data Directory: H:\AIR2020\CHEM24\05MAY\04\

Line	VL	FileName	SampleName	MiscInfo	Injection Time
1)	0	0508_10.D	XXXXXXXXXX		N/A
2)	118	0504_01.D	XXXXXXXXXX		05/04/20 9:56
3)	119	0504_02.D	XXXXXXXXXX		05/04/20 10:29
4)	1	0504_03.D	XXXXXXXXXX		05/04/20 11:02
5)	2	0504_04.D	XXXXXXXXXX		05/04/20 11:39
6)	3	0504_05.D	XXXXXXXXXX		05/04/20 12:10
7)	4	0504_06.D	XXXXXXXXXX		05/04/20 12:41
8)	5	0504_07.D	XXXXXXXXXX		05/04/20 13:13
9)	6	0504_08.D	XXXXXXXXXX		05/04/20 13:46
10)	7	0504_09.D	XXXXXXXXXX		05/04/20 14:18
11)	8	0504_10.D	XXXXXXXXXX		05/04/20 14:51
12)	9	0504_11.D	XXXXXXXXXX		05/04/20 15:23
13)	10	0504_12.D	XXXXXXXXXX		05/04/20 16:04
14)	11	0504_13.D	XXXXXXXXXX		05/04/20 17:24
15)	12	0504_14.D	XXXXXXXXXX		05/04/20 18:01
16)	13	0504_15.D	XXXXXXXXXX		05/04/20 18:37
17)	14	0504_16.D	XXXXXXXXXX		05/04/20 19:14
18)	15	0504_17.D	XXXXXXXXXX		05/04/20 19:51
19)	16	0504_18.D	XXXXXXXXXX		05/04/20 20:24
20)	17	0504_19.D	XXXXXXXXXX		05/04/20 20:57
21)	18	0504_20.D	XXXXXXXXXX		05/04/20 21:30
22)	19	0504_21.D	XXXXXXXXXX		05/04/20 22:03
23)	20	0504_22.D	XXXXXXXXXX		05/04/20 22:36
24)	21	0504_23.D	XXXXXXXXXX		05/04/20 23:07
25)	22	0504_24.D	XXXXXXXXXX		05/05/20 0:26
26)	23	0504_25.D	XXXXXXXXXX		05/05/20 1:04
27)	24	0504_26.D	XXXXXXXXXX		05/05/20 1:41
28)	25	0504_27.D	XXXXXXXXXX		05/05/20 2:34
29)	26	0504_28.D	XXXXXXXXXX		05/05/20 3:11
30)	27	0504_29.D	XXXXXXXXXX		05/05/20 3:48
31)	28	0504_30.D	XXXXXXXXXX		05/05/20 4:25
32)	29	0504_31.D	XXXXXXXXXX		05/05/20 5:02
33)	30	0504_32.D	XXXXXXXXXX		05/05/20 5:34
34)	31	0504_33.D	XXXXXXXXXX		05/05/20 6:08
35)	32	0504_34.D	XXXXXXXXXX		05/05/20 6:42
36)	33	0504_35.D	XXXXXXXXXX		05/05/20 7:19
37)	34	0504_36.D	XXXXXXXXXX		05/05/20 7:50
38)	35	0504_37.D	XXXXXXXXXX		05/05/20 8:22
39)	36	0504_38.D	CANISTER BLK 1880	CANISTER BLK 1880	05/05/20 10:26
40)	37	0504_39.D	CANISTER BLK 1881	CANISTER BLK 1881	05/05/20 11:03
41)	38	0504_40.D	XXXXXXXXXX		05/05/20 11:36
42)	39	0504_41.D	XXXXXXXXXX		05/05/20 12:09
43)	40	0504_42.D	XXXXXXXXXX		05/05/20 12:46
44)	41	0504_43.D	XXXXXXXXXX		05/05/20 13:19
45)	42	0504_44.D	XXXXXXXXXX		05/05/20 16:48
46)	43	0504_45.D	XXXXXXXXXX		05/05/20 17:25
47)	44	0504_46.D	XXXXXXXXXX		05/05/20 18:07
48)	45	0504_47.D	XXXXXXXXXX		05/05/20 18:49
49)	46	0504_48.D	XXXXXXXXXX		05/05/20 19:24
50)	47	0504_49.D	XXXXXXXXXX		05/05/20 19:57
51)	48	0504_50.D	XXXXXXXXXX		05/05/20 20:30
52)	49	0504_51.D	XXXXXXXXXX		05/05/20 21:03
53)	50	0504_52.D	XXXXXXXXXX		05/05/20 21:36
54)	51	0504_53.D	XXXXXXXXXX		05/05/20 22:09
55)	52	0504_54.D	XXXXXXXXXX		05/05/20 22:42
56)	53	0504_55.D	XXXXXXXXXX		05/06/20 0:35
57)	54	0504_56.D	XXXXXXXXXX		05/06/20 1:08
58)	55	0504_57.D	XXXXXXXXXX		05/06/20 1:41
59)	56	0504_58.D	XXXXXXXXXX		05/06/20 2:14
60)	57	0504_59.D	XXXXXXXXXX		05/06/20 2:47
61)	58	0504_60.D	XXXXXXXXXX		05/06/20 3:20
62)	59	0504_61.D	XXXXXXXXXX		05/06/20 3:53
63)	60	0504_62.D	XXXXXXXXXX		05/06/20 4:25
64)	61	0504_63.D	XXXXXXXXXX		05/06/20 4:56
65)	62	0506_01.D	XXXXXXXXXX		05/06/20 5:30
66)	63	0506_02.D	XXXXXXXXXX		05/06/20 6:04
67)	64	0506_03.D	XXXXXXXXXX		05/06/20 6:41
68)	65	0506_04.D	XXXXXXXXXX		05/06/20 7:12

69)	66	0506_05.D	XXXXXXXXXX	05/06/20	7:44
70)	67	0506_06.D	XXXXXXXXXX	05/06/20	8:21
71)	68	0506_07.D	XXXXXXXXXX	05/06/20	8:58
72)	69	0506_08.D	XXXXXXXXXX	05/06/20	10:28
73)	70	0506_09.D	XXXXXXXXXX	05/06/20	11:05
74)	71	0506_10.D	XXXXXXXXXX	05/06/20	11:41
75)	72	0506_11.D	XXXXXXXXXX	05/06/20	12:23
76)	73	0506_12.D	XXXXXXXXXX	05/06/20	12:55
77)	74	0506_13.D	XXXXXXXXXX	05/06/20	13:27
78)	75	0506_14.D	XXXXXXXXXX	05/06/20	14:22
79)	76	0506_15.D	XXXXXXXXXX	05/06/20	14:59
80)	77	0506_16.D	XXXXXXXXXX	05/06/20	15:35
81)	78	0506_17.D	XXXXXXXXXX	05/06/20	17:21
82)	79	0506_18.D	XXXXXXXXXX	05/06/20	17:58
83)	80	0506_19.D	XXXXXXXXXX	05/06/20	18:34
84)	81	0506_20.D	XXXXXXXXXX	05/06/20	19:11
85)	82	0506_21.D	XXXXXXXXXX	05/06/20	19:43
86)	83	0506_22.D	XXXXXXXXXX	05/06/20	20:15
87)	84	0506_23.D	XXXXXXXXXX	05/06/20	20:47
88)	85	0506_24.D	XXXXXXXXXX	05/06/20	21:19
89)	86	0506_25.D	XXXXXXXXXX	05/06/20	21:56
90)	87	0506_26.D	XXXXXXXXXX	05/06/20	22:33
91)	88	0506_27.D	XXXXXXXXXX	05/06/20	23:05
92)	89	0506_28.D	XXXXXXXXXX	05/06/20	23:36
93)	90	0506_29.D	XXXXXXXXXX	05/07/20	0:22
94)	94	0506_30.D	XXXXXXXXXX	05/07/20	0:55
95)	95	0506_31.D	XXXXXXXXXX	05/07/20	1:27
96)	96	0506_32.D	XXXXXXXXXX	05/07/20	2:00
97)	97	0506_33.D	XXXXXXXXXX	05/07/20	2:32
98)	98	0506_34.D	XXXXXXXXXX	05/07/20	3:03
99)	99	0507_01.D	XXXXXXXXXX	05/07/20	3:37
100)	100	0507_02.D	XXXXXXXXXX	05/07/20	4:10
101)	101	0507_03.D	XXXXXXXXXX	05/07/20	4:47
102)	102	0507_04.D	XXXXXXXXXX	05/07/20	5:18
103)	103	0507_05.D	XXXXXXXXXX	05/07/20	5:49
104)	104	0507_06.D	XXXXXXXXXX	05/07/20	6:26
105)	105	0507_07.D	XXXXXXXXXX	05/07/20	7:02
106)	106	0507_08.D	XXXXXXXXXX	05/07/20	7:39
107)	107	0507_09.D	XXXXXXXXXX	05/07/20	8:15
108)	108	0507_10.D	XXXXXXXXXX	05/07/20	10:32
109)	109	0507_11.D	XXXXXXXXXX	05/07/20	11:08
110)	110	0507_12.D	XXXXXXXXXX	05/07/20	12:10
111)	111	0507_13.D	XXXXXXXXXX	05/07/20	12:46
112)	112	0507_14.D	XXXXXXXXXX	05/07/20	13:23
113)	113	0507_15.D	XXXXXXXXXX	05/07/20	14:00
114)	114	0507_16.D	XXXXXXXXXX	05/07/20	14:36
115)	115	0507_17.D	XXXXXXXXXX	05/07/20	15:13
116)	116	0507_18.D	XXXXXXXXXX	05/07/20	15:59
117)	117	0507_19.D	XXXXXXXXXX	05/07/20	16:32
118)	118	0507_20.D	XXXXXXXXXX	05/07/20	17:09
119)	119	0507_21.D	XXXXXXXXXX	05/07/20	17:45
120)	120	0507_22.D	XXXXXXXXXX	05/07/20	18:22
121)	121	0507_23.D	XXXXXXXXXX	05/07/20	18:59
122)	122	0507_24.D	XXXXXXXXXX	05/07/20	19:35
123)	123	0507_25.D	XXXXXXXXXX	05/07/20	20:12
124)	124	0507_26.D	XXXXXXXXXX	05/07/20	20:49
125)	125	0507_27.D	XXXXXXXXXX	05/07/20	21:25
126)	126	0507_28.D	XXXXXXXXXX	05/07/20	22:48
127)	127	0507_29.D	XXXXXXXXXX	05/07/20	23:23
128)	128	0507_30.D	XXXXXXXXXX	05/08/20	0:46
129)	129	0507_31.D	XXXXXXXXXX	05/08/20	1:23
130)	130	0507_32.D	XXXXXXXXXX	05/08/20	1:59
131)	131	0507_33.D	XXXXXXXXXX	05/08/20	2:31
132)	132	0508_01.D	XXXXXXXXXX	05/08/20	3:05
133)	133	0508_02.D	XXXXXXXXXX	05/08/20	3:38
134)	134	0508_03.D	XXXXXXXXXX	05/08/20	4:15
135)	135	0508_04.D	XXXXXXXXXX	05/08/20	4:47
136)	136	0508_05.D	XXXXXXXXXX	05/08/20	5:19
137)	137	0508_06.D	XXXXXXXXXX	05/08/20	5:56
138)	138	0508_07.D	XXXXXXXXXX	05/08/20	6:33
139)	139	0508_08.D	XXXXXXXXXX	05/08/20	7:10
140)	140	0508_09.D	XXXXXXXXXX	05/08/20	7:47

Injection Log

Data Directory: H:\AIR2020\CHEM24\05MAY\08\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	0	0509_23.D	XXXXXXXXXX		N/A
2)	132	0508_01.D	XXXXXXXXXX		05/08/20 3:05
3)	133	0508_02.D	XXXXXXXXXX		05/08/20 3:38
4)	134	0508_03.D	XXXXXXXXXX		05/08/20 4:15
5)	135	0508_04.D	XXXXXXXXXX		05/08/20 4:47
6)	136	0508_05.D	XXXXXXXXXX		05/08/20 5:19
7)	137	0508_06.D	XXXXXXXXXX		05/08/20 5:56
8)	138	0508_07.D	XXXXXXXXXX		05/08/20 6:33
9)	139	0508_08.D	XXXXXXXXXX		05/08/20 7:10
10)	140	0508_09.D	XXXXXXXXXX		05/08/20 7:47
11)	141	0508_10.D	XXXXXXXXXX		05/08/20 8:24
12)	142	0508_11.D	XXXXXXXXXX		05/08/20 9:01
13)	143	0508_12.D	XXXXXXXXXX		05/08/20 9:39
14)	144	0508_13.D	XXXXXXXXXX		05/08/20 10:12
15)	145	0508_14.D	XXXXXXXXXX		05/08/20 10:45
16)	146	0508_15.D	XXXXXXXXXX		05/08/20 11:18
17)	147	0508_16.D	XXXXXXXXXX		05/08/20 11:51
18)	148	0508_17.D	XXXXXXXXXX		05/08/20 12:24
19)	149	0508_18.D	XXXXXXXXXX		05/08/20 12:57
20)	150	0508_19.D	XXXXXXXXXX		05/08/20 13:51
21)	151	0508_20.D	XXXXXXXXXX		05/08/20 14:25
22)	152	0508_21.D	XXXXXXXXXX		05/08/20 14:58
23)	153	0508_22.D	XXXXXXXXXX		05/08/20 15:32
24)	154	0508_23.D	XXXXXXXXXX		05/08/20 16:05
25)	155	0508_24.D	XXXXXXXXXX		05/08/20 16:38
26)	156	0508_25.D	XXXXXXXXXX		05/08/20 17:12
27)	157	0508_26.D	XXXXXXXXXX		05/08/20 17:45
28)	158	0508_27.D	XXXXXXXXXX		05/08/20 18:19
29)	159	0508_28.D	XXXXXXXXXX		05/08/20 18:52
30)	160	0508_29.D	XXXXXXXXXX		05/08/20 19:25
31)	161	0508_30.D	XXXXXXXXXX		05/08/20 19:59
32)	162	0508_31.D	XXXXXXXXXX		05/08/20 20:32
33)	163	0508_32.D	XXXXXXXXXX		05/08/20 21:05
34)	164	0508_33.D	XXXXXXXXXX		05/08/20 21:39
35)	165	0508_34.D	XXXXXXXXXX		05/08/20 22:12
36)	166	0508_35.D	XXXXXXXXXX		05/08/20 22:45
37)	167	0508_36.D	XXXXXXXXXX		05/08/20 23:19
38)	168	0508_37.D	XXXXXXXXXX		05/09/20 0:20
39)	169	0508_38.D	XXXXXXXXXX		05/09/20 0:53
40)	170	0508_39.D	XXXXXXXXXX		05/09/20 1:30
41)	171	0509_01.D	XXXXXXXXXX		05/09/20 2:04
42)	172	0509_02.D	XXXXXXXXXX		05/09/20 2:39
43)	173	0509_03.D	XXXXXXXXXX		05/09/20 3:16
44)	174	0509_04.D	XXXXXXXXXX		05/09/20 3:48
45)	175	0509_05.D	XXXXXXXXXX		05/09/20 4:20
46)	176	0509_06.D	CANISTER BLK 1882	CANISTER BLK 1882	05/09/20 4:57
47)	177	0509_07.D	XXXXXXXXXX		05/09/20 5:34
48)	178	0509_08.D	CANISTER BLK 1884	CANISTER BLK 1884	05/09/20 6:12
49)	179	0509_09.D	XXXXXXXXXX		05/09/20 6:49
50)	180	0509_10.D	XXXXXXXXXX		05/09/20 7:26
51)	181	0509_11.D	XXXXXXXXXX		05/09/20 8:03
52)	182	0509_12.D	XXXXXXXXXX		05/09/20 8:41
53)	183	0509_13.D	XXXXXXXXXX		05/09/20 9:14
54)	184	0509_14.D	XXXXXXXXXX		05/09/20 9:47
55)	185	0509_15.D	XXXXXXXXXX		05/09/20 10:20
56)	186	0509_16.D	XXXXXXXXXX		05/09/20 14:14
57)	187	0509_17.D	XXXXXXXXXX		05/09/20 14:51
58)	188	0509_18.D	XXXXXXXXXX		05/09/20 15:27
59)	189	0509_19.D	XXXXXXXXXX		05/09/20 16:03
60)	190	0509_20.D	XXXXXXXXXX		05/09/20 16:40
61)	191	0509_21.D	XXXXXXXXXX		05/09/20 17:13
62)	192	0509_22.D	XXXXXXXXXX		05/09/20 17:46

Injection Log

Data Directory: H:\AIR2020\CHEM24\05MAY\28\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	0	0529_28.D	XXXXXXXXXX		N/A
2)	5	0528_02.D	BFB TUNE	0/0	05/28/20 10:19
3)	7	0528_03.D	ICAL 0.02	0.02	05/28/20 10:50
4)	8	0528_04.D	ICAL 0.035	0.035	05/28/20 11:22
5)	9	0528_05.D	ICAL 0.05	0.05	05/28/20 11:54
6)	10	0528_06.D	ICAL 0.1	0.10	05/28/20 12:26
7)	11	0528_07.D	ICAL 0.5	0.5	05/28/20 13:03
8)	12	0528_08.D	ICAL 2.5	2.5	05/28/20 13:40
9)	13	0528_09.D	ICAL 5	5.0	05/28/20 14:12
10)	14	0528_10.D	ICAL 25	25	05/28/20 14:49
11)	15	0528_11.D	ICAL 40	40	05/28/20 15:28
12)	16	0528_12.D	XXXXXXXXXX		05/28/20 16:00
13)	17	0528_13.D	ICAL 1	1ppb	05/28/20 16:33
14)	18	0528_14.D	ICAL 0.2	0.2ppb	05/28/20 17:07
15)	19	0528_15.D	ICAL 10	10ppb	05/28/20 17:40
16)	20	0528_16.D	XXXXXXXXXX		05/28/20 18:17
17)	21	0528_17.D	XXXXXXXXXX		05/28/20 18:48
18)	22	0528_18.D	XXXXXXXXXX		05/28/20 19:19
19)	23	0528_19.D	XXXXXXXXXX		05/28/20 19:56
20)	24	0528_20.D	XXXXXXXXXX		05/28/20 20:33
21)	25	0528_21.D	XXXXXXXXXX		05/28/20 21:10
22)	26	0528_22.D	XXXXXXXXXX		05/28/20 21:42
23)	27	0528_23.D	XXXXXXXXXX		05/28/20 22:15
24)	28	0528_24.D	XXXXXXXXXX		05/28/20 22:47
25)	29	0528_25.D	XXXXXXXXXX		05/28/20 23:20
26)	30	0528_26.D	XXXXXXXXXX		05/29/20 0:25
27)	31	0528_27.D	XXXXXXXXXX		05/29/20 1:02
28)	32	0528_28.D	XXXXXXXXXX		05/29/20 1:39
29)	33	0528_29.D	XXXXXXXXXX		05/29/20 2:16
30)	34	0528_30.D	XXXXXXXXXX		05/29/20 9:09
31)	35	0528_31.D	XXXXXXXXXX		05/29/20 11:22
32)	36	0528_32.D	XXXXXXXXXX		05/29/20 11:59
33)	37	0528_33.D	XXXXXXXXXX		05/29/20 12:55
34)	38	0528_34.D	XXXXXXXXXX		05/29/20 13:33
35)	39	0528_35.D	XXXXXXXXXX		05/29/20 14:15
36)	40	0529_01.D	XXXXXXXXXX		05/29/20 14:46
37)	41	0529_02.D	XXXXXXXXXX		05/29/20 15:20
38)	42	0529_03.D	XXXXXXXXXX		05/29/20 15:53
39)	43	0529_04.D	XXXXXXXXXX		05/29/20 16:30
40)	44	0529_05.D	XXXXXXXXXX		05/29/20 17:01
41)	45	0529_06.D	XXXXXXXXXX		05/29/20 17:33
42)	46	0529_07.D	XXXXXXXXXX		05/29/20 18:36
43)	47	0529_08.D	XXXXXXXXXX		05/29/20 19:08
44)	48	0529_09.D	XXXXXXXXXX		05/29/20 19:41
45)	49	0529_10.D	XXXXXXXXXX		05/29/20 20:14
46)	50	0529_11.D	XXXXXXXXXX		05/29/20 20:46
47)	51	0529_12.D	XXXXXXXXXX		05/29/20 21:19
48)	52	0529_13.D	XXXXXXXXXX		05/29/20 21:56
49)	53	0529_14.D	XXXXXXXXXX		05/29/20 22:32
50)	54	0529_15.D	XXXXXXXXXX		05/29/20 23:09
51)	55	0529_16.D	XXXXXXXXXX		05/29/20 23:45
52)	56	0529_17.D	XXXXXXXXXX		05/30/20 1:07
53)	57	0529_18.D	XXXXXXXXXX		05/30/20 1:44
54)	58	0529_19.D	XXXXXXXXXX		05/30/20 2:21
55)	59	0529_20.D	XXXXXXXXXX		05/30/20 2:54
56)	60	0529_21.D	XXXXXXXXXX		05/30/20 3:27
57)	61	0529_22.D	XXXXXXXXXX		05/30/20 3:58
58)	62	0529_23.D	XXXXXXXXXX		05/30/20 4:32
59)	63	0529_24.D	XXXXXXXXXX		05/30/20 5:06
60)	64	0529_25.D	XXXXXXXXXX		05/30/20 5:42
61)	65	0529_26.D	XXXXXXXXXX		05/30/20 6:14
62)	66	0529_27.D	XXXXXXXXXX		05/30/20 6:45

Injection Log

Data Directory: H:\AIR2020\CHEM24\06JUN\01\

Line	VL	FileName	SampleName	MiscInfo	Injection Time
1)	0	0602_33.D	XXXXXXXXXX		N/A
2)	131	0601_01.D	XXXXXXXXXX		06/01/20 6:05
3)	132	0601_02.D	CCAL 1 - BFB TUNE	1.0ppb cc - 1.0ppb	06/01/20 6:38
4)	133	0601_03.D	XXXXXXXXXX		06/01/20 7:12
5)	134	0601_04.D	CG03910 LCS	CG03910 LCS	06/01/20 7:49
6)	135	0601_05.D	XXXXXXXXXX		06/01/20 8:20
7)	136	0601_06.D	CG03910 BLANK	CG03910 BLANK	06/01/20 8:51
8)	137	0601_07.D	BLOWER-2	CG03910	06/01/20 9:28
9)	138	0601_08.D	BLOWER-2 DUP	CG03910 DUP	06/01/20 10:05
10)	139	0601_09.D	BLOWER-2 5X	CG03910 5X	06/01/20 10:37
11)	140	0601_10.D	EW-8	CG03886	06/01/20 11:18
12)	141	0601_11.D	EW-2	CG03887	06/01/20 11:55
13)	142	0601_12.D	EW-7	CG03888	06/01/20 12:31
14)	143	0601_13.D	EW-6	CG03889	06/01/20 13:08
15)	144	0601_14.D	EW-1	CG03890	06/01/20 13:45
16)	145	0601_15.D	EW-3	CG03891	06/01/20 14:32
17)	146	0601_16.D	EW-4	CG03892	06/01/20 15:09
18)	147	0601_17.D	EW-5	CG03893	06/01/20 15:45
19)	148	0601_18.D	EW-5D	CG03894	06/01/20 16:22
20)	149	0601_19.D	OA-3	CG03895	06/01/20 16:59
21)	150	0601_20.D	OA-1	CG03896	06/01/20 17:36
22)	151	0601_21.D	OA-2	CG03897	06/01/20 18:12
23)	152	0601_22.D	OA-2D	CG03898	06/01/20 18:49
24)	153	0601_23.D	IA-8	CG03899	06/01/20 19:26
25)	154	0601_24.D	IA-10	CG03900	06/01/20 20:03
26)	155	0601_25.D	XXXXXXXXXX		06/01/20 23:31
27)	156	0601_26.D	XXXXXXXXXX		06/02/20 0:49
28)	157	0601_27.D	XXXXXXXXXX		06/02/20 1:25
29)	158	0601_28.D	XXXXXXXXXX		06/02/20 1:57
30)	159	0602_01.D	CCAL 1 - BFB TUNE	1.0PPB CC - 1.0PPB	06/02/20 2:30
31)	160	0602_02.D	XXXXXXXXXX		06/02/20 3:04
32)	161	0602_03.D	CG03913 LCS	CG03913 LCS	06/02/20 3:41
33)	162	0602_04.D	XXXXXXXXXX		06/02/20 4:12
34)	163	0602_05.D	CG03913 BLANK	CG03913 BLANK	06/02/20 4:43
35)	164	0602_06.D	BLOWER-3D 30X	CG03912 30X	06/02/20 9:17
36)	165	0602_07.D	BLOWER-3 30X	CG03913 30X	06/02/20 9:49
37)	166	0602_08.D	BLOWER-3 DUP 30X	CG03913 DUP 30X	06/02/20 10:22
38)	167	0602_09.D	XXXXXXXXXX		06/02/20 10:55
39)	133	0602_10.D	XXXXXXXXXX		06/02/20 11:42
40)	134	0602_11.D	XXXXXXXXXX		06/02/20 12:19
41)	135	0602_12.D	XXXXXXXXXX		06/02/20 12:51
42)	136	0602_13.D	XXXXXXXXXX		06/02/20 13:22
43)	137	0602_14.D	XXXXXXXXXX		06/02/20 14:04
44)	138	0602_15.D	XXXXXXXXXX		06/02/20 19:42
45)	139	0602_16.D	XXXXXXXXXX		06/02/20 20:19
46)	140	0602_17.D	XXXXXXXXXX		06/02/20 20:52
47)	141	0602_18.D	XXXXXXXXXX		06/02/20 21:26
48)	142	0602_19.D	XXXXXXXXXX		06/02/20 22:02
49)	143	0602_20.D	XXXXXXXXXX		06/02/20 22:39
50)	144	0602_21.D	XXXXXXXXXX		06/02/20 23:14
51)	145	0602_22.D	XXXXXXXXXX		06/03/20 0:37
52)	146	0602_23.D	XXXXXXXXXX		06/03/20 1:18
53)	147	0602_24.D	XXXXXXXXXX		06/03/20 1:59
54)	148	0602_25.D	XXXXXXXXXX		06/03/20 2:40
55)	149	0602_26.D	XXXXXXXXXX		06/03/20 3:21
56)	150	0602_27.D	XXXXXXXXXX		06/03/20 3:59
57)	151	0602_28.D	XXXXXXXXXX		06/03/20 4:38
58)	152	0602_29.D	XXXXXXXXXX		06/03/20 5:17
59)	153	0602_30.D	XXXXXXXXXX		06/03/20 9:25
60)	154	0602_31.D	XXXXXXXXXX		06/03/20 10:02
61)	155	0602_32.D	XXXXXXXXXX		06/03/20 10:44

APPENDIX D
Data Validation Reports



June 8, 2020
Kleinfelder Project No. 20202886.001A

Mr. Wayne Mancroni
Central Hudson Gas & Electric Corporation
610 Little Britain Road
New Windsor, NY 12553

**RE: Data Validation Report for Vapor Intrusion Samples
Collected in May 2020
Little Britain Road Facility
New Windsor, New York**

To Mr. Mancroni,

Kleinfelder, Inc. (Kleinfelder) is pleased to submit this Data Validation Report (DVR) in support of the vapor intrusion sampling efforts performed at the Central Hudson Gas & Electric Little Britain Road Facility (Site) under New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Agreement (BCA) #C336061.

One analytical laboratory report identified as sample delivery group (SDG) GCG03886 was generated for the vapor intrusion samples collected on May 31, 2020. Per the site-specific Quality Assurance Project Plan (KLF, January 2020), all air samples underwent Level III data validation.

This data validation report describes the review process, comments and findings for the monitoring well sample data. The following attachment is included:

- **Attachment A** – Qualified Analytical Data Summary.

SAMPLE INFORMATION

SDG GCG03886 collected on May 31, 2020 and consisted of:

- Ten (10) indoor air samples
- Eight (8) sub-slab air samples
- Three (3) ambient air samples
- Three (3) effluent air samples
- Four (4) field duplicate samples (one for each sample type)

These samples were submitted to and analyzed by Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, Connecticut (CT) (NY NELAP Certification #11301). As indicated on the chain-of-custody submitted with the samples, the samples were analyzed for:

- Volatile Organic Compounds (VOCs) in Ambient Air via United States Environmental Protection Agency (USEPA) Method TO-15¹

¹ EPA 1999. Compendium Method TO-15, Determination of Volatile Organic Compounds in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry, January 1999.



COMPOUND IDENTIFICATION AND VALIDATION

Full laboratory data deliverable was prepared by Phoenix and the data validation was completed by Kleinfelder. Only minor quality control issues warranted qualification and were organized by laboratory package below.

SDG GCG03886:

- Select results for ethanol exceeded instrument calibration and were qualified “E”. These sample were not rerun and the results were qualified as estimated “J”.
- The opening continuing calibration verification (CCV) did not meet the maximum percent deviation (%D) for carbon disulfide. Associated results were qualified as estimated “J/UJ”.
- LCS recoveries for tetrahydrofuran, and benzene were above control limits. Associated results were qualified as estimated “J” and non-detects did not require qualification.

Some target compounds were detected and reported with a “J” qualifier by the laboratory. This laboratory qualifier signifies that the value reported is greater than the Method Detection Limit (MDL) but less than the laboratory Reporting Limit (RL). Therefore, the results are quantitatively qualified as estimated.

CONCLUSIONS

Through the data validation process, a total of forty-seven (47) compounds were qualified due to quality control discrepancies. Analytical results and quality control (QC) outliers are summarized in the Qualified Analytical Data Summary (**Attachment A**). No analyte results were rejected during this data review.

The analytical completeness is 100%. Analytical completeness greater than 90% is an indication that the data for this sampling event **is usable**.

LIMITATIONS

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder’s profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions, and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee, or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

The results presented in this report are for the exclusive use of the client and the registered design professional in responsible charge. The results apply only to the samples tested. If changes to the specifications were made and not communicated to Kleinfelder, Kleinfelder assumes no responsibility for pass/fail statements (meets/does not meet), if provided. Also, this report may be used only by the Client and the registered design professional in responsible charge and only for the purposes stated for this specific engagement within a reasonable time from its issuance, but in no event later than two years from the date of the report.



CLOSING

If you have any questions or concerns regarding the data validation, please contact Amber Caputo at (845) 231-2522.

A handwritten signature in black ink, appearing to read "Lauren McHugh", is positioned above the printed name.

Lauren McHugh
Data Quality Chemist

Reviewed by:

A handwritten signature in black ink, appearing to read "Amber Caputo", is positioned above the printed name.

Amber Caputo
Assistant Project Manager

Copy: Kleinfelder Project File

LM/AC



ATTACHMENT A

Qualified Analytical Data Summary

Attachment A

Qualified Analytical Data Summary
Central Hudson Gas Electric: Little Britain Road Facility
SDG GCG03886

SDG	Sample ID	Matrix	Analytical Method	CAS #	Analyte	Lab Qualifier	Final Result	Validator Qualifier	RL	Unit	Reason Code
GCG03886	EW-3_20200531	AS	ETO-15	64-17-5	Ethanol	E	119	J	1.00	ug/m3	20
GCG03886	EW-8_20200531	AS	ETO-15	64-17-5	Ethanol	E	633	J	1.00	ug/m3	20
GCG03886	IA-1_20200531	AI	ETO-15	64-17-5	Ethanol	E	81.5	J	1.00	ug/m3	20
GCG03886	IA-10_20200531	AI	ETO-15	64-17-5	Ethanol	E	89.4	J	1.00	ug/m3	20
GCG03886	IA-3_20200531	AI	ETO-15	64-17-5	Ethanol	E	97.9	J	1.00	ug/m3	20
GCG03886	IA-4_20200531	AI	ETO-15	64-17-5	Ethanol	E	194	J	1.00	ug/m3	20
GCG03886	IA-5_20200531	AI	ETO-15	64-17-5	Ethanol	E	87.7	J	1.00	ug/m3	20
GCG03886	IA-5D_20200531	AI	ETO-15	64-17-5	Ethanol	E	87.6	J	1.00	ug/m3	20
GCG03886	IA-6_20200531	AI	ETO-15	64-17-5	Ethanol	E	228	J	1.00	ug/m3	20
GCG03886	IA-7_20200531	AI	ETO-15	64-17-5	Ethanol	E	85.9	J	1.00	ug/m3	20
GCG03886	IA-9_20200531	AI	ETO-15	64-17-5	Ethanol	E	114	J	1.00	ug/m3	20
GCG03886	OA-1_20200531	AO	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	OA-2_20200531	AO	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	OA-2D_20200531	AO	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	OA-3_20200531	AO	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	BLOWER-2_20200531	AE	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	BLOWER-3_20200531	AE	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	BLOWER-3D_20200531	AE	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	EW-1_20200531	AS	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	EW-2_20200531	AS	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	EW-3_20200531	AS	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	EW-4_20200531	AS	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	EW-5_20200531	AS	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	EW-5D_20200531	AS	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	EW-6_20200531	AS	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	EW-7_20200531	AS	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	EW-8_20200531	AS	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	BLOWER-1_20200531	AE	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	IA-1_20200531	AI	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	IA-10_20200531	AI	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	IA-2_20200531	AI	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	IA-3_20200531	AI	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	IA-4_20200531	AI	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	IA-5_20200531	AI	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	IA-5D_20200531	AI	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	IA-6_20200531	AI	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	IA-7_20200531	AI	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	IA-8_20200531	AI	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	IA-9_20200531	AI	ETO-15	75-15-0	Carbon disulfide	U	< 1.00	UJ	1.00	ug/m3	05
GCG03886	EW-3_20200531	AS	ETO-15	71-43-2	Benzene		3.45	J	1.00	ug/m3	10
GCG03886	EW-4_20200531	AS	ETO-15	109-99-9	Tetrahydrofuran		1.98	J	1.00	ug/m3	10
GCG03886	IA-3_20200531	AI	ETO-15	71-43-2	Benzene		4.88	J	1.00	ug/m3	10
GCG03886	IA-4_20200531	AI	ETO-15	71-43-2	Benzene		1.24	J	1.00	ug/m3	10
GCG03886	IA-6_20200531	AI	ETO-15	71-43-2	Benzene		2.41	J	1.00	ug/m3	10

Attachment A

Qualified Analytical Data Summary
 Central Hudson Gas Electric: Little Britain Road Facility
 SDG GCG03886

SDG	Sample ID	Matrix	Analytical Method	CAS #	Analyte	Lab Qualifier	Final Result	Validator Qualifier	RL	Unit	Reason Code
GCG03886	IA-4_20200531	AI	ETO-15	109-99-9	Tetrahydrofuran		14.8	J	1.00	ug/m3	10
GCG03886	IA-2_20200531	AI	ETO-15	109-99-9	Tetrahydrofuran		5.04	J	1.00	ug/m3	10
GCG03886	IA-3_20200531	AI	ETO-15	109-99-9	Tetrahydrofuran		3.42	J	1.00	ug/m3	10

Acronyms/Abbreviations:	Validation Qualifier and Reason Code:
CAS # = Chemical Abstracts Service number SDG = sample delivery group AS = sub-slab air sample AO = ambient air sample AE = Vapor extraction effluent sample AI = indoor air sample RL = reporting limit ug/m3 = microgram per cubic meter	U = non-detect UJ = non-detect; estimated RL J = estimated result E = result exceeds calibration range 05 = Calibration 10 = Laboratory control sample recovery 20 = Linear Range Exceeded
	Analyte Totals:
	Total Reportable Qualified Analyte Results = 47 Total Rejected ("R") Analyte Results = 0 Analytical Completeness = 100.0%