21-25 31st Street
Periodic Review Report

21-25 31st Street, Astoria, Queens, New York
Block 831, Lot 18 (Portion)
NYSDEC BCP Site Number: C241167

Prepared for:
RFC 31 STREET I LLC
42-01 235th Street
Douglaston, NY 11363

For Submittal to:
NYS Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, NY 12233-7014

Prepared by:
Matthew M. Carroll, PE
&
Tenen Environmental, LLC
121 West 27th Street, Suite 702
New York, NY 10001

May 2022

TABLE OF CONTENTS

Figures

Table

Appendices

1.0 EXECUTIVE SUMMARY

On behalf of RFC 31 STREET I LLC (the Remedial Party), Matthew M. Carroll, P.E. and Tenen Environmental, LLC (Tenen) have prepared this Periodic Review Report (PRR) for the property located at 21-25 31st Street (Block 831, portion of Lot 18) in the Astoria neighborhood of the borough of Queens, New York (the Site). The Site is a 0.27-acre parcel located approximately 225 feet southwest of the intersection of 31st Street and 21st Avenue in Astoria, Queens, New York.

The Site is currently improved with a mixed-use (commercial/residential) six-story building that includes two full cellars; the project is currently nearing the end of construction. A temporary Certificate of Occupancy was issued on October 15, 2021. A Site location map is included in Figure 1 and current Site uses are shown on Figure 2.

This document has been prepared in accordance with the Site Management Plan (SMP) dated December 2019 and approved by the New York State Department of Environmental Conservation (NYSDEC). The Site was remediated in accordance with Brownfield Cleanup Agreement (BCA), under the Brownfield Cleanup Program (BCP) Site # C241167, which was executed on March 10, 2015. A Certificate of Completion was issued for the Site on December 18, 2019.

The work completed and reported in this PRR complies with the SMP and includes the following: bi-annual groundwater sampling and annual certification of conditional institutional controls. The Site is currently in compliance with all material elements of the SMP. The remedial program, as detailed in the SMP, continues to be effective.

The approved SMP required the performance of four semi-annual sampling events over the course of the two years following issuance of the Certificate of Completion to demonstrate the efficacy of the remedy. The sampling events described in this PRR constitutes the third and fourth of the four required groundwater sampling events.

2.0 BACKGROUND AND SETTING

This section includes a description of the Site, and summaries of Site characteristics, historic operations and regulatory interactions.

2.1 Site Description

The Site is located at 21-25 31st Street in the Astoria neighborhood of Queens, New York. The site is a 0.27-acre rectangular shaped parcel. The Site is improved with a mixed-use (commercial/residential) six-story building that includes two full cellars that is currently nearing the end of construction. The Site is zoned as R6A, a designation that denotes a medium density area with required quality housing bulk regulations that produce high lot coverage buildings set at or near the street line. The Site also has a C1-3 commercial overlay, which allows for commercial uses that serve local residential needs. The surrounding properties include mixed-use commercial and residential use buildings.

The Site is identified as Queens County Block 831, portion of Lot 18 on the New York City Tax Map. Lot 18 currently consists of former Lot 20, which originally defined the BCP site, and former Lot 18 and a portion of Lot 25, that were all merged into a single lot – 18. A Site Location Map is included as Figure 1.

2.2 Geological Setting

According to the Central Park, New York-New Jersey Quadrangle United States Geological Survey (USGS) Topographic Map (2013), the subject Site lies at an elevation of approximately 50 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level). The surface topography at the Site and surrounding area is relatively flat with a downward slope to the northeast.

The shallow subsurface at the Site consisted of fill material containing silt, sand and brick fragments from sidewalk grade to up to ten feet below grade (ft-bg), all of which was excavated from the Site. The fill material was underlain by glacial till composed of boulders, cobbles, gravel and coarse sand with some silt. The remaining glacial till is underlain by stiff brownish gray clay at approximately 80 ft-bg. The clay layer appears to be consistent across the Site.

Groundwater was encountered at depths between 35 and 40 ft-bg. Measured shallow groundwater elevations range from approximately 16.42 to 16.88 feet above mean sea level (ft-msl). Regionally and most typically for the site-specific measurements, groundwater is flowing from west-southwest to east-northeast. The flow was measured in June 2021 generally to the northeast and wells MW-3S and MW-8S were upgradient wells, well MW-7S was crossgradient and well MW-2S was downgradient. The flow was measured in January 2022 generally to the west and northwest, which appears to be anomalous given previous groundwater measurements and regional flow. It is likely that the depth to water reading at well MW-3S is incorrect and should be rejected. That would indicate that, during this sampling round, wells MW-3S and MW-8S were upgradient wells, well MW-7S was crossgradient and well MW-2S was downgradient; similar to other, recent sampling events.

The surveyed groundwater well locations are shown on Figure 3 and the measured shallow groundwater elevations and flow are shown on Figures 4A and 4B (including MW-3S).

2.3 Historic Operations

The Site was vacant until sometime between 1954 and 1967 when the property was developed with a large store and dry cleaner. The dry-cleaning operation was present until at least 1981, and the same space was used for "cleaning" through 2006. The Site was occupied by ABC Super Stores, a retail clothing, linens, and kitchenware store, prior to the start of the Remedial Action.

2.4 Regulatory Background

The Remedial Party and the New York State Department of Environmental Conservation (NYSDEC) entered into a Brownfield Cleanup Agreement (BCA) on March 10, 2015, pursuant to which the Remedial Party agreed to remediate the 0.27-acre property located at 21-25 31st Street, Queens, NY. The Site was managed and remediated in accordance with the BCA and the NYSDEC-approved Remedial Action Work Plan (RAWP) dated June 16, 2017 prepared by Tenen Environmental, LLC (Tenen).

After completion of the remedial work described in the RAWP, a Final Engineering Report (FER) was prepared by Tenen and certified by Matthew Carroll, P.E. on December 17, 2019. In order to assess the performance of the remedy, Tenen prepared a Site Management Plan (SMP) dated December 16, 2019 and subsequently approved by the NYSDEC. A Certificate of Completion was issued for the Site on December 18, 2019. The work described in this Periodic Review Report (PRR) was completed in accordance with the SMP.

3.0 CONDITIONAL INSTITUTIONAL CONTROLS

Conditional institutional controls (ICs) are present at the Site to protect human health and the environment during the two-year period of groundwater sampling to assess the performance of the remedy. A description of these controls and the current status of each are provided below. Note, the Site remedy does not rely on any engineering controls, therefore engineering controls are not present at the site. The Institutional and Engineering Controls Certification Form is included in Appendix 1.

3.1 Conditional Institutional Controls

3.1.1 Compliance with SMP

The following ICs are required to document compliance with the SMP:

- The property may be used for: restricted-residential, commercial or industrial use;
- Conformance with ICs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) or the New York City Department of Health and Mental Hygiene (NYCDOMH) to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP; and
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

Current status: The Environmental Easement remains in place. ICs requiring semi-annual monitoring of groundwater have been performed and documented to the NYSDEC with the acceptance of this report. All of the four rounds of the required monitoring have been completed as required in the SMP, including data validation.

3.2.2 Use Restrictions

The following use restrictions were placed on the property, in accordance with the Environmental Easement and SMP:

- The property may only be used for restricted-residential, commercial or industrial use; and
- New York City code prohibits the use of groundwater for potable purposes.

Current status: The Site is used in accordance with all restrictions. The future use of the Site will be multi-family residential and commercial, consistent with the allowable uses.

4.0 GROUNDWATER SAMPLING

In June 2021 and January 2022, bi-annual groundwater sampling was completed at the Site in accordance with the SMP.

The methodology and findings from the last two rounds groundwater sampling are included below.

4.1 Groundwater Sampling

4.1.1 Methodology

Five groundwater monitoring wells (MW-2S, MW-2D, MW-3S, MW-7S and MW-8S) were sampled in accordance with the SMP. Monitoring well MW-2D was previously not sampled during the first two sampling events in 2020, due to construction materials staged on top of the monitoring well MW-2D in 2020. As discussed with the Department, the well has since been uncovered and was sampled during these final two sampling events. Samples were collected for analysis of volatile organic compounds (VOCs) in accordance with the Health and Safety Plan (HASP), Quality Assurance Project Plan (QAPP), and Field Sampling Plan (FSP) included in the SMP. Groundwater monitoring was conducted on the following dates: June 1, 2021 and January 6, 2022. The monitoring well locations are shown on Figure 3.

As required by the SMP, the following procedure was implemented during each sampling event:

- Depth-to-water measurements were obtained from each well prior to sample collection.
- Low-flow sampling techniques were implemented for sample collection.
- Field instrumentation was employed to measure water temperature, pH, turbidity and other water quality indicator parameters at each sampled well.
- Monitoring of indicator parameters was employed in order to stabilize parameters before sample collection.
- All groundwater samples were placed in 40-milliliter vials provided by the laboratory. All sample containers were appropriately labeled and closed with no trapped air.
- Chain-of-custody documents were completed before shipment. The samples were placed in ice and secured in a cooler during shipment to the laboratory.
- All groundwater samples were analyzed at Alpha Analytical, Inc. (Alpha) of Westborough, Massachusetts for volatile organic compounds (VOCs) by United States Environmental Protection Agency (EPA) Method 8260. Alpha is certified by the NYSDOH Environmental Laboratory Approval Program (ELAP) as LABID 11148.

Groundwater results were compared to the Division of Water Technical and Operations Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations – Class GA (Class GA Standards). The Class GA Standards represent levels that are protective of the groundwater as a source of drinking water; however, groundwater is not utilized as potable water at the Site. Potable water for the Site is supplied to the City of New York from upstate New York reservoirs.

A summary of groundwater analytical results is included on Figure 5. The concentrations of VOCs in groundwater are provided in Tables 1 through 2. Groundwater sampling logs for each sampling event are included in Appendix 2. A data usability summary report (DUSR) for each sampling event is included in Appendix 3. Laboratory deliverables are included in Appendix 4.

Investigation-derived waste (IDW) consisting of purged groundwater was containerized in a labeled 55-gallon drum and staged for future off-site disposal. The IDW disposal documentation for the latest sampling events will be provided once received following off-site disposal.

4.1.2 Findings

June 2021 Sampling Event

Groundwater samples were collected from monitoring wells MW-2S, MW-2D, MW-3S, MW-7S and MW-8S for analysis of VOCs. Quality assurance/quality control samples were collected in accordance with the QAPP.

Headspace readings recorded with a photoionization detector (PID) and ranged from 0.0 parts per million (ppm) to 16.3 ppm in MW-2S.

Ten VOCs, tetrachloroethene (PCE), trichloroethene (TCE), trans-1,2-dichloroethene (trans-1,2-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), vinyl chloride, ethylbenzene, isopropylbenzene, naphthalene, n-propylbenzene, and 1,2,4,5-tetramethylbenzene, were detected at concentrations in exceedance of the Class GA Standards in one or more groundwater samples during the June 2021 sampling.

PCE was detected in upgradient monitoring well MW-3S and downgradient monitoring wells MW-2S and MW-2D, at concentrations ranging from 5.5 micrograms per liter (ug/l) (duplicate sample "MW2S DUP" from well MW-2S) to 9.6 ug/l (well MW-3S), respectively, above the Class GA Standard of 5 ug/l. Note that the PCE was detected in the duplicate sample for MW-2 was at a concentration of 5.5 ug/l while in the parent sample collected in monitoring well MW-2S PCE was present at a concentration of 4.5 ug/l which is below the Class GA Standard. In monitoring well MW-2S, the following PCE degradation compounds were also detected above the Class GA Standards: TCE at 6.8 ug/l; cis-1,2-DCE at 19 ug/L; trans-1,2- DCE at 53 ug/l; and, vinyl chloride at 2.8 ug/l. These same degradation compounds were detected at similar concentrations in the duplicate sample "MW2S DUP" collected from monitoring well MW-2S for QA/QC.

Five petroleum-related compounds (naphthalene, ethylbenzene, isopropylbenzene, n-propylbenzene, and 1,2,4,5-tetramethylbenzene) were detected in upgradient well MW-8S above the Class GA Standards, but none of the petroleum-related compounds were present above the Class GA Standards in the other wells. The presence of these compounds is attributed to off-site impacts as there is no known source of petroleum impacts historically or presently at or emanating from the Site.

No other VOCs were detected in exceedance of the Class GA Standards and all VOCs were primarily not detected above laboratory reporting limits or at detected at concentrations below Class GA Standards for the downgradient monitoring well MW-7S.

January 2022 Sampling Event

Groundwater samples were collected from monitoring wells MW-2S, MW-2D, MW-3S, MW-7S and MW-8S for analysis of VOCs. Quality assurance/quality control samples were collected in accordance with the QAPP.

Headspace readings were recorded with a PID and ranged from 0.0 ppm to 5.4 ppm in MW-2S (which is markedly lower than in previous sampling events).

Five VOCs, TCE, trans-1,2-DCE, cis-1,2-DCE, vinyl chloride and naphthalene were detected at concentrations exceeding the Class GA Standards in one or more groundwater samples during the January 2022 sampling.

PCE was detected at concentrations ranging from 0.69 ug/L to 3.6 ug/L, below the Class GA Standard of 5 ug/l in monitoring wells MW-2S, MW-2D and MW-3S. In monitoring wells MW-2S and/or MW-3S, the following PCE degradation compounds were detected above the Class GA Standards: TCE at 7.4 ug/l in MW-2S; cis-1,2-DCE at 56 ug/l in MW-2S and 84 ug/L in MW-3S; trans-1,2- DCE at 91 ug/l in MW-2S and 150 ug/l in MW-3S; and, vinyl chloride at 6.9 ug/l in MW-3S. These same degradation compounds were detected at similar concentrations in the duplicate sample "MW-3S-DUP" collected from monitoring well MW-3S for QA/QC. No cVOCs were detected in exceedance of the Class GA Standards for downgradient monitoring well MW-7S or upgradient well MW-8S.

Only one petroleum-related compound, naphthalene, was detected in upgradient well MW-8S at a concentration of 13 ug/l in exceedance of the Class GA Standard of 10 ug/l, but none of the petroleum-related compounds were present above the Class GA Standards in the other wells.

No other VOCs were detected in exceedance of the Class GA Standards and all VOCs were primarily not detected above laboratory reporting limits or at detected at concentrations below Class GA Standards for the downgradient monitoring well MW-7S.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Institutional Controls

An Institutional and Engineering Controls Certification Form is included in Appendix 1. Only conditional ICs are required during the bi-annual groundwater sampling period being completed to assess the performance of the remedy.

The Environmental Easement and ICs remain in place.

5.2 Groundwater Monitoring

During the January 2022 sampling event, PCE was no longer present in any monitoring well at concentrations exceeding the Class GA Standards. PCE was detected in monitoring wells MW-2S, MW-2D and MW-3S at concentrations ranging from 0.69 ug/l in (duplicate sample "MW-3S-DUP" in monitoring well MW-3S) to 3.6 ug/l (in monitoring well MW-2S). PCE was not detected about laboratory reporting limits in monitoring wells MW-7S and MW-8S. PCE concentrations have shown decline throughout the four sampling events. All PCE degradation compounds were detected at concentrations significantly greater in the January 2022 sampling event than the first three sampling events in March 2020, September 2020 and June 2021.

The most recent validated groundwater sampling results indicate that residual PCE contamination, associated with historic operations are decreasing and present at concentrations below the Class GA Standards. PCE degradation compounds, including TCE, cis-1,2-DCE, trans-1,2-DCE and vinyl chloride increased over time, were detected at higher greater concentrations in the January 2022 sampling event (but below those detected in the pre-remedy remedial investigation samples), indicating that naturally occurring degradation and breakdown continues to occur. The concentrations of cVOCs over time in each well are shown in Table 3. The concentrations in upgradient well MW-3S are likely related to an off-site source, as was determined by pre-remedy sampling. The concentrations in downgradient well MW-2S are likely also associated with the off-site source as the two compounds with the highest concentrations (cis-1,2-DCE and trans-1,2-DCE) are generally higher in MW-3S in the most recent round of sampling.

Petroleum compounds related to an off-site source are present in upgradient well MW-8S, at generally decreasing concentrations, but not in the other on-site wells. The January 2020 sampling event results indicated only one petroleum compound, naphthalene, was detected in exceedance of the Class GA Standards at a concentration significantly lower than the past three sampling events.

All four events of sampling have been completed, with four total events contemplated in the approved SMP.

5.3 Schedule

As noted above, the groundwater sampling frequency is bi-annual and the four rounds of sampling have been completed.

6.0 CERTIFICATIONS

For each institutional control identified for the site, I certify that all of the following statements are true:

- *The inspection of the site to confirm the effectiveness of the institutional controls required by the remedial program was performed under my direction;*
- *The institutional controls employed at this site are unchanged from the date the controls were put in place, or last approved by the Department;*
- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*
- *Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;*
- *Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*
- *If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;*
- *Use of the site is compliant with the environmental easement;*
- *To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program;*
- *The information presented in this report is accurate and complete;* and,
- *That no new information has come to the site owner`s attention, including groundwater monitoring data from wells located at the site boundary, to indicate that the assumptions made in the qualitative exposure assessment of off-site contamination are no longer valid.*

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Matthew M. Carroll, of 1085 Sackett Avenue, Bronx, NY 10461, am certifying as Owner's Designated Site Representative for the site."

Matthew M. Carroll
NYS PE License Number 091629

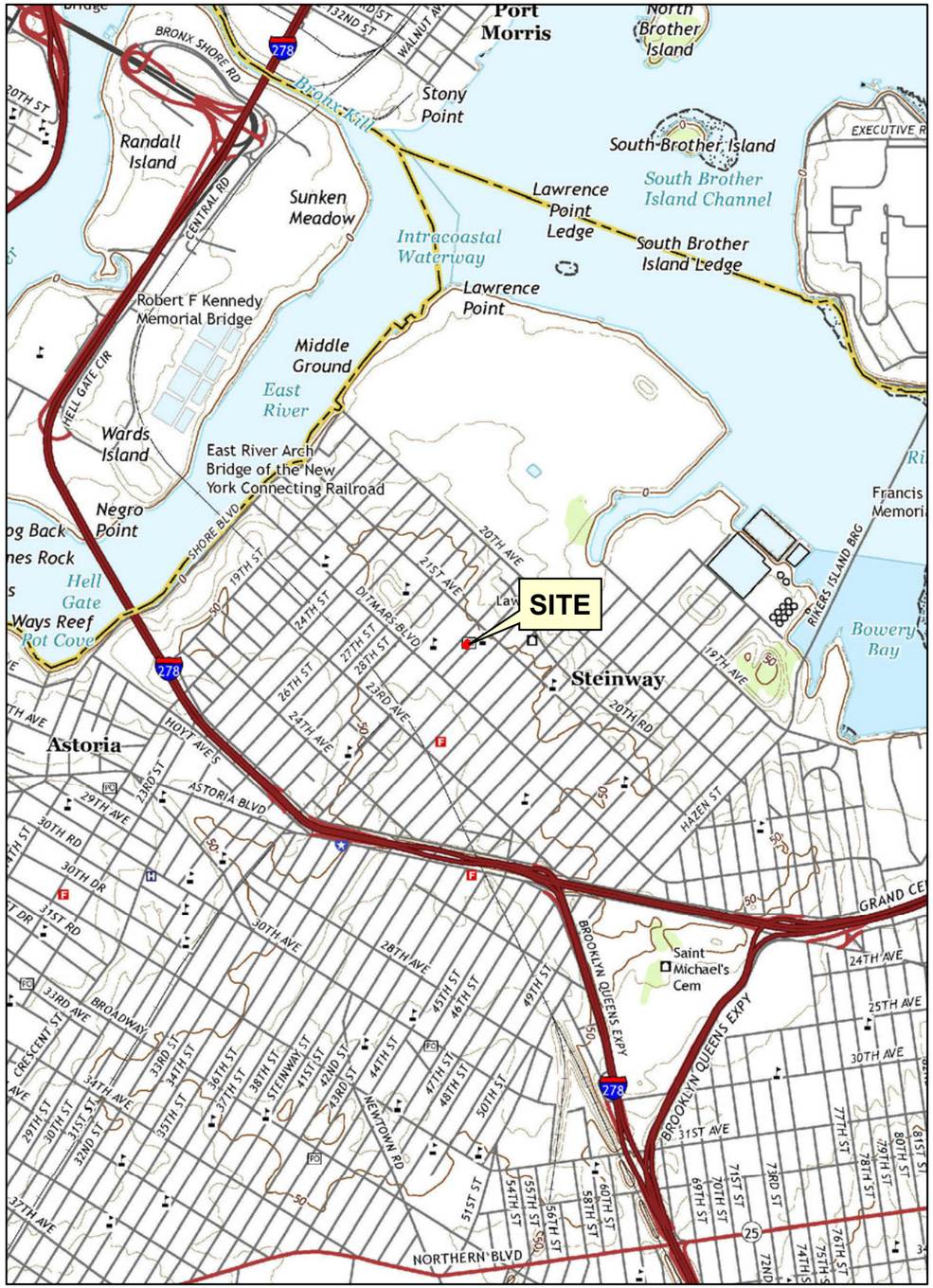
7.0 REFERENCES

Site Management Plan, NYSDEC BCP Site No. C241167, Tenen Environmental LLC, December 2019.

Environmental Easement, RFC 31 STREET I LLC, November 4, 2019.

Final Engineering Report, NYSDEC BCP Site No. C241167, Tenen Environmental LLC, December 2019.

Figures



Basemap: USGS Topographic Map, 7.5 Minute Quadrangle: Central Park, NY

Site Location

http://gis.nyc.gov/taxmap/map.htm

Department of Finance Digital Tax Map

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community
NYC Department of City Planning, Information Technology Division

Department of City Planning MapPLUTO - 2021 v4

Site

21-25 31st Street
Queens, New York
Block 831, Lot 18 (Portion)

TENEN ENVIRONMENTAL

Tenen Environmental, LLC
121 West 27th Street
Suite 702
New York, NY 10001
O: (646) 606-2332
F: (646) 606-2379

Drawn By	Checked By	Date	Scale
LM	VC	May 2022	As Noted

Drawing Title: **Site Location Map**

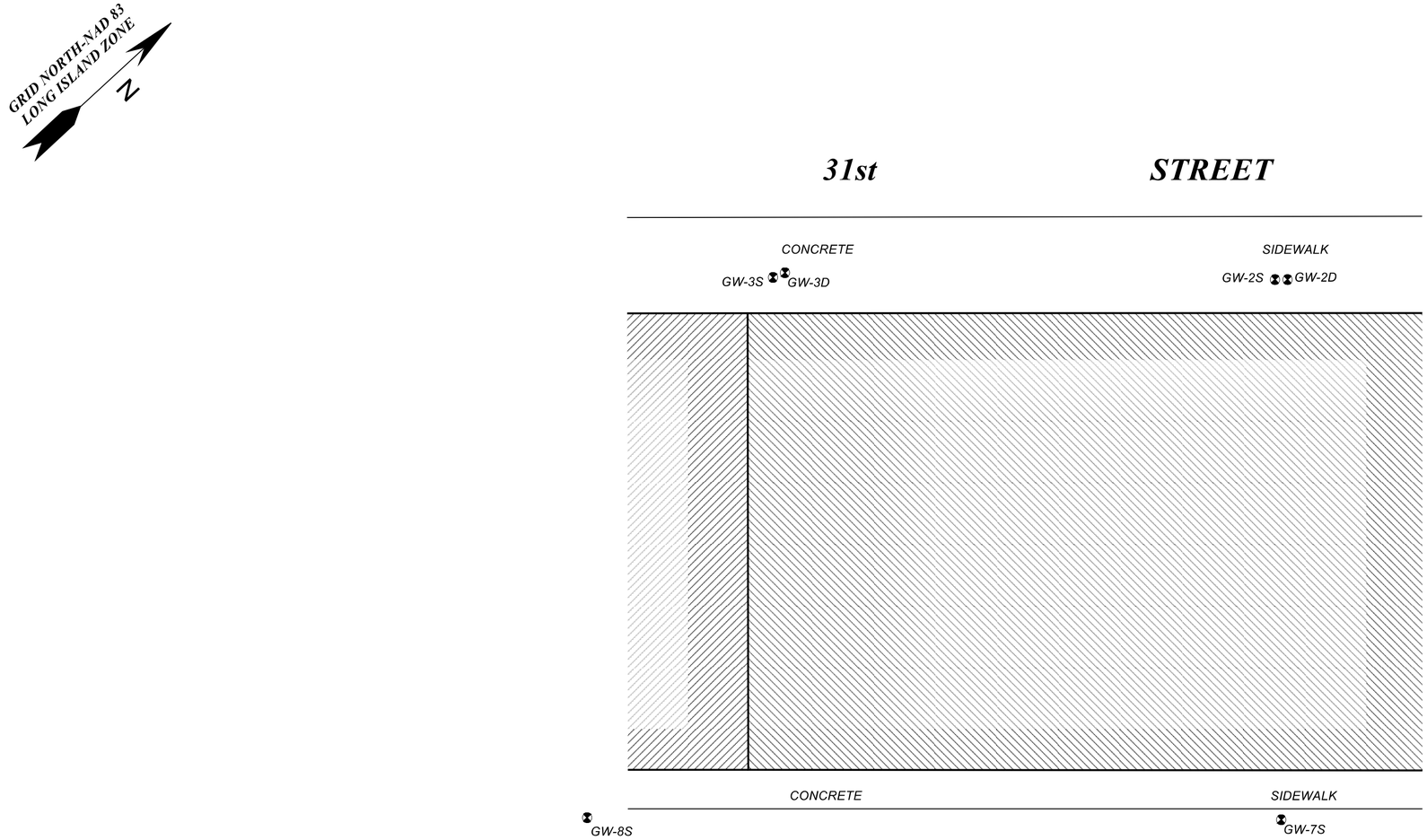
Drawing No: **Figure 1**

Legend

- Property Boundary
- BCP Project Site Boundary

0 15 30 60 Feet

Drawing Title: **Site Layout**	Drawn By: LM	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York, NY 10001 O: (646) 606-2332 F: (646) 606-2379	Client: **21-25 31st Street Queens, New York Block 831, Lot 18 (Portion)**
	Checked By: VC		
Drawing No: **Figure 2**	Date: May 2022		
	Scale: As Noted		



WELL ELEVATION TABLE

	ELEVATIONS	
WELL I.D.	TOP CASING	TOP PVC
GW-2D	51.61	51.10
GW-2S	51.67	50.90
GW-3D	52.72	52.30
GW-3S	52.74	52.44
GW-7S	56.39	55.87
GW-8S	55.96	55.47

NOTES:

-DATE OF FIELD SURVEY: MARCH 29, 2016

-HORIZONTAL DATUM: NAD 83- LONG ISLAND ZONE FROM GPS OBSERVATIONS

-VERTICAL DATUM: ASSUMED

-GW-3D & GW-3S SURVEYED NOVEMBER 17, 2016

-GW-7S AND GW-8S SURVEYED ON SEPTEMBER 25, 2019

REV: 4/7/16- GW-5D & GW-5S
11/17/16- GW-3D & GW-3S
9/25/19- GW-7S & GW-8S
10/14/19- STATE PLANE DATUM

FIGURE 3: GROUNDWATER WELL LOCATIONS

WELL ELEVATION SURVEY

21-25 31st STREET

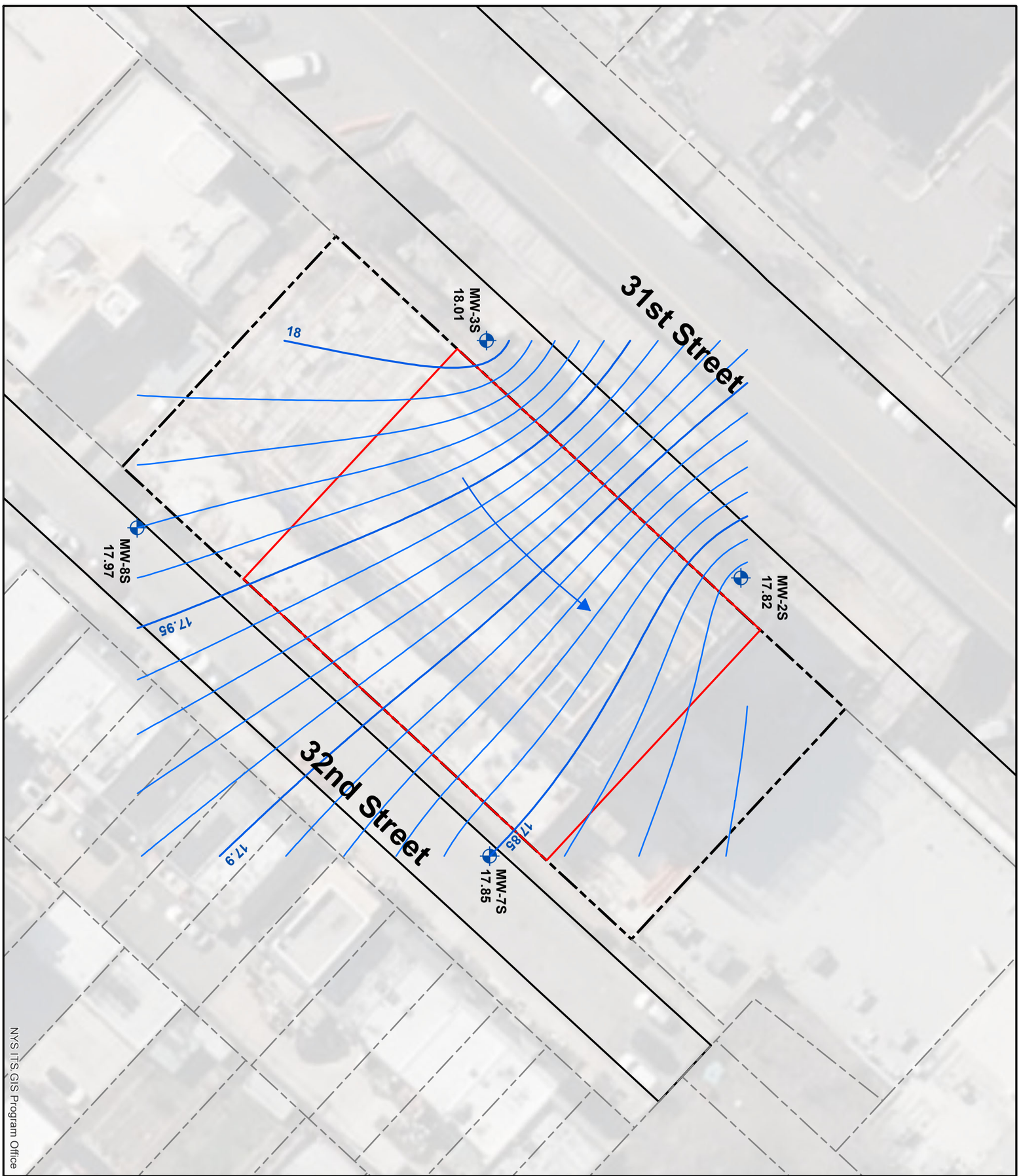
ASTORIA, QUEENS

QUEENS COUNTY **NEW YORK**
SCALE: 1" = 20' **MARCH 29, 2016**

DONALD R. STEDGE, P.L.S.
112 MURRAY AVENUE
GOSHEN, NY 10924
(845) 325-9734

JOB NO. 1504

DONALD R. STEDGE, P.L.S.
NYS LIC. NO. 49759



Legend

- Groundwater Sample Locations
- Groundwater Elevation Contour
- Groundwater Elevation Contour
- BCP Project Site Boundary
- Property Boundary

0 15 30 60 Feet

Drawing Title **Groundwater Flow Map** **6/1/2021 Groundwater Sampling**	Drawn By LM Checked By MC	TENEN ENVIRONMENTAL Tenen Environmental, LLC 121 West 27th Street Suite 702 New York, NY 10001 O: (646) 606-2332 F: (646) 606-2379	Client **21-25 31st Street** **Queens, New York** **Block 831, Lot 18 (Portion)**
Drawing No **Figure 4A**	Date September 2022 Scale As Noted		

Legend

- Groundwater Sample Locations
- Groundwater Elevation Contour
- Groundwater Elevation Contour
- BCP Project Site Boundary
- Property Boundary

0 15 30 60 Feet

Client

21-25 31st Street
Queens, New York
Block 831, Lot 18 (Portion)

TENEN ENVIRONMENTAL
Tenen Environmental, LLC
121 West 27th Street
Suite 702
New York, NY 10001
O: (646) 606-2332
F: (646) 606-2379

Drawn By	Checked By	Date	Scale
LM	MC	September 2022	As Noted

Drawing Title: **Groundwater Flow Map 1/6/2022 Groundwater Sampling**

Drawing No: **Figure 4B**

SAMPLE ID:	MW2S			MW2S DUP			MW-2S		
LAB ID:	L2129111-01			L2129111-02			L2200912-01		
COLLECTION DATE:	6/1/2021			6/1/2021			1/6/2022		
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Tetrachloroethene	4.5		0.5	0.2	5.1		0.5	0.2	3.6		0.5	0.2
Ethylbenzene	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Vinyl chloride	2.8		1	0.1	2.9		1	0.1	0.88	J	1	0.1
trans-1,2-Dichloroethene	53		2.5	0.7	55		2.5	0.7	91		2.5	0.7
Trichloroethene	6.8		0.5	0.2	7.5		0.5	0.2	7.4		0.5	0.2
cis-1,2-Dichloroethene	19		2.5	0.7	19		2.5	0.7	56		2.5	0.7
Isopropylbenzene	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Isopropyltoluene	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4,5-Tetramethylbenzene	ND		2	0.5	ND		2	0.5	ND		2	0.5

SAMPLE ID:	MW2D				MW-2D			
LAB ID:	L2129111-03				L2200912-02			
COLLECTION DATE:	6/1/2021				1/6/2022			
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Tetrachloroethene	9.3		0.5	0.2	3.3		0.5	0.2
Ethylbenzene	ND		2.5	0.7	ND		2.5	0.7
Vinyl chloride	ND		1	0.1	ND		1	0.1
trans-1,2-Dichloroethene	1	J	2.5	0.7	1.9	J	2.5	0.7
Trichloroethene	3.6		0.5	0.2	1.3		0.5	0.2
cis-1,2-Dichloroethene	1	J	2.5	0.7	ND		2.5	0.7
Isopropylbenzene	ND		2.5	0.7	ND		2.5	0.7
p-Isopropyltoluene	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	ND		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	ND		2.5	0.7	ND		2.5	0.7
1,2,4,5-Tetramethylbenzene	ND		2	0.5	ND		2.5	0.7

SAMPLE ID:	MW7S				MW-7S			
LAB ID:	L2129111-05				L2200912-05			
COLLECTION DATE:	6/1/2021				1/6/2022			
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Tetrachloroethene	ND		0.5	0.2	ND		0.5	0.2
Ethylbenzene	ND		2.5	0.7	0.92	J	2.5	0.7
Vinyl chloride	ND		1	0.1	ND		1	0.1
trans-1,2-Dichloroethene	ND		2.5	0.7	ND		2.5	0.7
Trichloroethene	0.41	J	0.5	0.2	0.94		0.5	0.2
cis-1,2-Dichloroethene	ND		2.5	0.7	0.92	J	2.5	0.7
Isopropylbenzene	ND		2.5	0.7	1.6	J	2.5	0.7
p-Isopropyltoluene	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	0.88	J	2.5	0.7	1.6	J	2.5	0.7
n-Propylbenzene	ND		2.5	0.7	0.76	J	2.5	0.7
1,2,4,5-Tetramethylbenzene	ND		2	0.5	0.79	J	2	0.5

SAMPLE ID:	MW3S				MW-3S				MW-3S-DUP			
LAB ID:	L2129111-04				L2200912-03				L2200912-04			
COLLECTION DATE:	6/1/2021				1/6/2022				1/6/2022			
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Tetrachloroethene	9.6		0.5	0.2	0.76		0.5	0.2	0.69		0.5	0.2
Ethylbenzene	ND		2.5	0.7	2.5		2.5	0.7	2.1	J	2.5	0.7
Vinyl chloride	ND		1	0.1	6.9		1	0.1	6.4		1	0.1
trans-1,2-Dichloroethene	0.93	J	2.5	0.7	150		2.5	0.7	140		2.5	0.7
Trichloroethene	3.4		0.5	0.2	1.8		0.5	0.2	1.6		0.5	0.2
cis-1,2-Dichloroethene	0.88	J	2.5	0.7	84		2.5	0.7	80		2.5	0.7
Isopropylbenzene	ND		2.5	0.7	1.2	J	2.5	0.7	1.1	J	2.5	0.7
p-Isopropyltoluene	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4,5-Tetramethylbenzene	ND		2	0.5	ND		2	0.5	ND		2	0.5

SAMPLE ID:	MW8S				MW-8S			
LAB ID:	L2129111-06				L2200912-06			
COLLECTION DATE:	6/1/2021				1/6/2022			
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Tetrachloroethene	0.34	J	0.5	0.2	ND		0.5	0.2
Ethylbenzene	7.8		2.5	0.7	ND		2.5	0.7
Vinyl chloride	ND		1	0.1	ND		1	0.1
trans-1,2-Dichloroethene	ND		2.5	0.7	ND		2.5	0.7
Trichloroethene	0.83		0.5	0.2	0.23	J	0.5	0.2
cis-1,2-Dichloroethene	ND		2.5	0.7	ND		2.5	0.7
Isopropylbenzene	10		2.5	0.7	ND		2.5	0.7
p-Isopropyltoluene	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	160		2.5	0.7	13		2.5	0.7
n-Propylbenzene	12		2.5	0.7	ND		2.5	0.7
1,2,4,5-Tetramethylbenzene	15		2	0.5	ND		2	0.5

Legend

- Groundwater Sample Locations
- BCP Project Site Boundary
- Property Boundary

0 15 30 60 Feet

21-25 31st Street
Queens, New York
Block 831, Lot 18 (Portion)

Client

TENEN ENVIRONMENTAL
Tenen Environmental, LLC
121 West 27th Street
Suite 702
New York, NY 10001
O: (646) 606-2332
F: (646) 606-2379

Drawn By	Checked By	Date	Scale
LM	VC	May 2022	As Noted

Drawing Title: **Contaminant Distribution in Groundwater**

Drawing No: **Figure 5**

Tables

Table 1 – Volatile Organic Compounds (VOCs) in Groundwater, June 2021
21-25 31st Street - Queens, NY
BCP Site No. C241167

	SAMPLE ID:	MW2S			MW2S DUP			MW2D			MW3S			MW7S			MW8S			TRIP BLANK			FIELD BLANK		
	LAB ID:	L2129111-01			L2129111-02			L2129111-03			L2129111-04			L2129111-05			L2129111-06			L2129111-08			L2129111-07		
	COLLECTION DATE:	6/1/2021			6/1/2021			6/1/2021			6/1/2021			6/1/2021			6/1/2021			6/1/2021			6/1/2021		
	SAMPLE DEPTH:																								
	SAMPLE MATRIX:	WATER			WATER			WATER			WATER			WATER			WATER			WATER			WATER		
	NY-AWQS																								
ANALYTE	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																													
Methylene chloride	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloroform	7	ND		2.5	0.7	ND		2.5	0.7	0.97	J	2.5	0.7	1.2	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Carbon tetrachloride	5	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,2-Dichloropropane	1	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14
Dibromochloromethane	50	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15
1,1,2-Trichloroethane	1	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5
Tetrachloroethene	5	4.5		0.5	0.18	5.1		0.5	0.18	9.3		0.5	0.18	9.6		0.5	0.18	ND		0.5	0.18	0.34	J	0.5	0.18	ND		0.5	0.18
Chlorobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichlorofluoromethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethane	0.6	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,1,1-Trichloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromodichloromethane	50	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19
trans-1,3-Dichloropropene	0.4	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
cis-1,3-Dichloropropene	0.4	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,3-Dichloropropene, Total		ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,1-Dichloropropene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromoform	50	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,1,2,2-Tetrachloroethane	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
Benzene	1	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
Toluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Ethylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	7.8		2.5	0.7	ND		2.5	0.7
Chloromethane		ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	1	J	2.5	0.7
Bromomethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Vinyl chloride	2	2.8		1	0.07	2.9		1	0.07	ND		1	0.07	ND		1	0.07	ND		1	0.07	ND		1	0.07	ND		1	0.07
Chloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethene	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
trans-1,2-Dichloroethene	5	53		2.5	0.7	55		2.5	0.7	1	J	2.5	0.7	0.93	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichloroethene	5	6.8		0.5	0.18	7.5		0.5	0.18	3.6		0.5	0.18	3.4		0.5	0.18	0.41	J	0.5	0.18	0.83		0.5	0.18	ND		0.5	0.18
1,2-Dichlorobenzene	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichlorobenzene	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dichlorobenzene	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Methyl tert butyl ether	10	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p/m-Xylene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Xylene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Xylenes, Total		ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
cis-1,2-Dichloroethene	5	19		2.5	0.7	19		2.5	0.7	1	J	2.5	0.7	0.88	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethene, Total		72		2.5	0.7	74		2.5	0.7	2	J	2.5	0.7	1.8	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dibromomethane	5	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
1,2,3-Trichloropropane	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Acrylonitrile	5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5
Styrene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dichlorodifluoromethane	5	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
Acetone	50	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5
Carbon disulfide	60	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
2-Butanone	50	ND		5	1.9	ND		5	1.9	ND		5	1.9	ND		5	1.9	ND		5	1.9	ND		5	1.9	ND		5	1.9
Vinyl acetate		ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
4-Methyl-2-pentanone		ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
2-Hexanone	50	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
Bromochloromethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
2,2-Dichloropropane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromoethane	0.0006	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,3-Dichloropropane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1,1,2-Tetrachloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Butylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	2.5		2.5	0.7	ND		2.5	0.7
sec-Butylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	1.3	J	2.5	0.7	3.9		2.5	0.7	ND		2.5	0.7
tert-Butylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Chlorotoluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Chlorotoluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromo-3-chloropropane	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Hexachlorobutadiene	0.5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Isopropylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	10		2.5	0.7	ND		2.5	0.7
p-Isopropyltoluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	10	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	0.88	J	2.5	0.7	160		2.5	0.7	1.3	J	2.5	0.7
n-Propylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	12		2.5	0.7	ND		2.5	0.7
1,2,3-Trichlorobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trichlorobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3,5-Trimethylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trimethylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dioxane		ND		250	61	ND		250	61	ND		250	61	ND		250	61	ND		250	61	ND		250	61	ND		250	61
p-Diethylbenzene		ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	2.3		2	0.7	ND		2	0.7
p-Ethyltoluene		ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7
1,2,4,5-Tetramethylbenzene	5	ND		2	0.54	ND		2	0.54	ND		2	0.54	ND		2	0.54	ND		2	0.54	15		2	0.54	ND		2	0.54
Ethyl ether		ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
trans-1,4-Dichloro-2-butene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Total VOCs		86.1	-	-	-	89.5	-	-	-	15.87	-	-	-	16.01	-	-	-	2.59	-	-	-	214.7	-	-	-	-	-	-	-	2.3	-	-	-

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.
Concentrations in yellow exceed the AWQS.
Grey shaded cells indicate the Method Detection Limit is greater than the AWQS.
All concentrations in micrograms per liter (ug/L)

Table 1 – Volatile Organic Compounds (VOCs) in Groundwater, January 2022
21-25 31st Street - Queens, NY
BCP Site No. C241167

	SAMPLE ID:	MW-2S			MW-2D			MW-3S			MW-3S-DUP			MW-7S			MW-8S			TRIP BLANK			FIELD BLANK 01062022		
	LAB ID:	L2200912-01			L2200912-02			L2200912-03			L2200912-04			L2200912-05			L2200912-06			L2200912-08			L2200912-07		
	COLLECTION DATE:	1/6/2022			1/6/2022			1/6/2022			1/6/2022			1/6/2022			1/6/2022			1/6/2022			1/6/2022		
	SAMPLE DEPTH:																								
	SAMPLE MATRIX:	WATER			WATER			WATER			WATER			WATER			WATER			WATER			WATER		
	NY-AWQS																								
ANALYTE	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																													
Methylene chloride	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloroform	7	0.72	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Carbon tetrachloride	5	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,2-Dichloropropane	1	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14
Dibromochloromethane	50	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15
1,1,2-Trichloroethane	1	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5
Tetrachloroethene	5	3.6		0.5	0.18	3.3		0.5	0.18	0.76		0.5	0.18	0.69		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
Chlorobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichlorofluoromethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethane	0.6	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,1,1-Trichloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromodichloromethane	50	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19
trans-1,3-Dichloropropene	0.4	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
cis-1,3-Dichloropropene	0.4	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,3-Dichloropropene, Total		ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,1-Dichloropropene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromoform	50	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,1,2,2-Tetrachloroethane	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
Benzene	1	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	0.26	J	0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
Toluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Ethylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	2.5		2.5	0.7	2.1	J	2.5	0.7	0.92	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloromethane		ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromomethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Vinyl chloride	2	0.88	J	1	0.07	ND		1	0.07	6.9		1	0.07	6.4		1	0.07	ND		1	0.07	ND		1	0.07	ND		1	0.07
Chloroethane	5	1.2	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethene	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
trans-1,2-Dichloroethene	5	91		2.5	0.7	1.9	J	2.5	0.7	150		2.5	0.7	140		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichloroethene	5	7.4		0.5	0.18	1.3		0.5	0.18	1.8		0.5	0.18	1.6		0.5	0.18	0.94		0.5	0.18	0.23	J	0.5	0.18	ND		0.5	0.18
1,2-Dichlorobenzene	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichlorobenzene	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dichlorobenzene	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Methyl tert butyl ether	10	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p/m-Xylene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Xylene	5	ND		2.5	0.7	ND		2.5	0.7	0.7	J	2.5	0.7	0.71	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Xylenes, Total		ND		2.5	0.7	ND		2.5	0.7	0.7	J	2.5	0.7	0.71	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
cis-1,2-Dichloroethene	5	56		2.5	0.7	ND		2.5	0.7	84		2.5	0.7	80		2.5	0.7	0.92	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethene, Total		150		2.5	0.7	1.9	J	2.5	0.7	230		2.5	0.7	220		2.5	0.7	0.92	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dibromomethane	5	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
1,2,3-Trichloropropane	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Acrylonitrile	5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5
Styrene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dichlorodifluoromethane	5	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
Acetone	50	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5
Carbon disulfide	60	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
2-Butanone	50	ND		5	1.9	ND		5	1.9	ND		5	1.9	ND		5	1.9	ND		5	1.9	ND		5	1.9	ND		5	1.9
Vinyl acetate		ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
4-Methyl-2-pentanone		ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
2-Hexanone	50	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
Bromochloromethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
2,2-Dichloropropane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromoethane	0.0006	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,3-Dichloropropane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1,1,2-Tetrachloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Butylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
sec-Butylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	1.1	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
tert-Butylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Chlorotoluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Chlorotoluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromo-3-chloropropane	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Hexachlorobutadiene	0.5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Isopropylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	1.2	J	2.5	0.7	1.1	J	2.5	0.7	1.6	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Isopropyltoluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	10	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	1.6	J	2.5	0.7	13		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	0.76	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichlorobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trichlorobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3,5-Trimethylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trimethylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dioxane		ND		250	61	ND		250	61	ND		250	61	ND		250	61	ND		250	61	ND		250	61	ND		250	61
p-Diethylbenzene		ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7
p-Ethyltoluene		ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7
1,2,4,5-Tetramethylbenzene	5	ND		2	0.54	ND		2	0.54	ND		2	0.54	ND		2	0.54	0.79	J	2	0.54	ND		2	0.54	ND		2	0.54
Ethyl ether		ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
trans-1,4-Dichloro-2-butene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Total VOCs		160.8	-	-	-	6.5	-	-	-	247.9	-	-	-	232.6	-	-	-	8.89	-	-	-	13.23	-	-	-	-	-	-	-

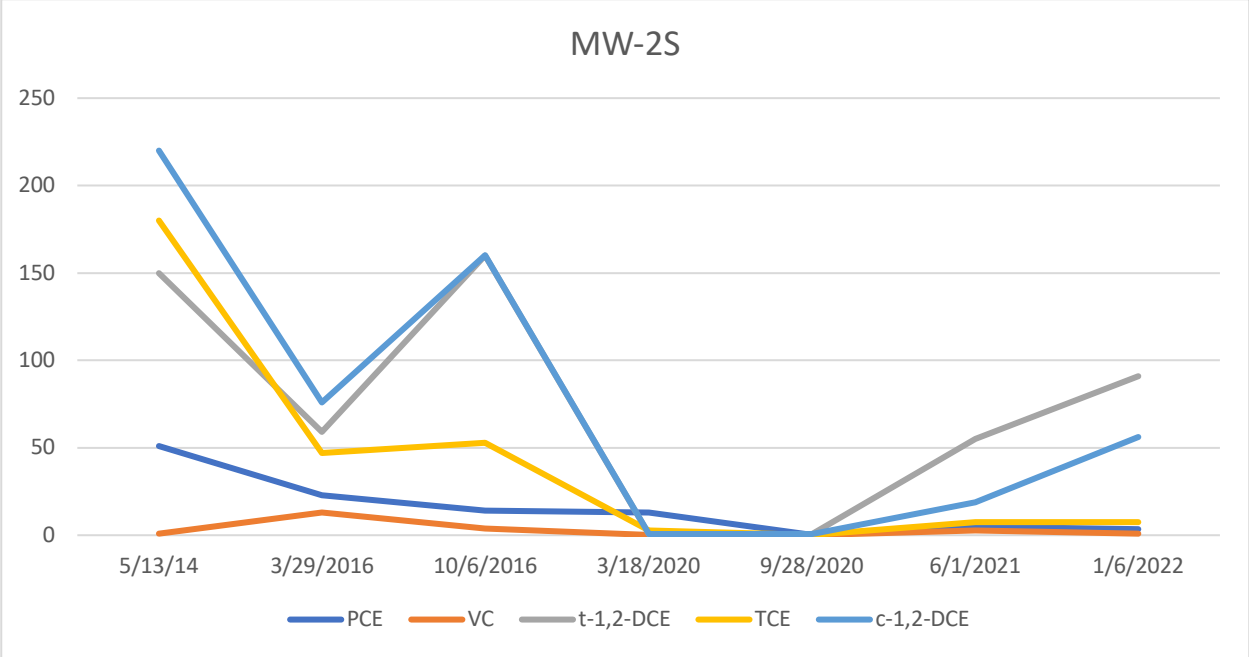
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

Concentrations in yellow exceed the AWQS.

Grey shaded cells indicate the Method Detection Limit is greater than the AWQS.

All concentrations in micrograms per liter (ug/L)

Table 3 – Groundwater Concentrations (2014-2022)



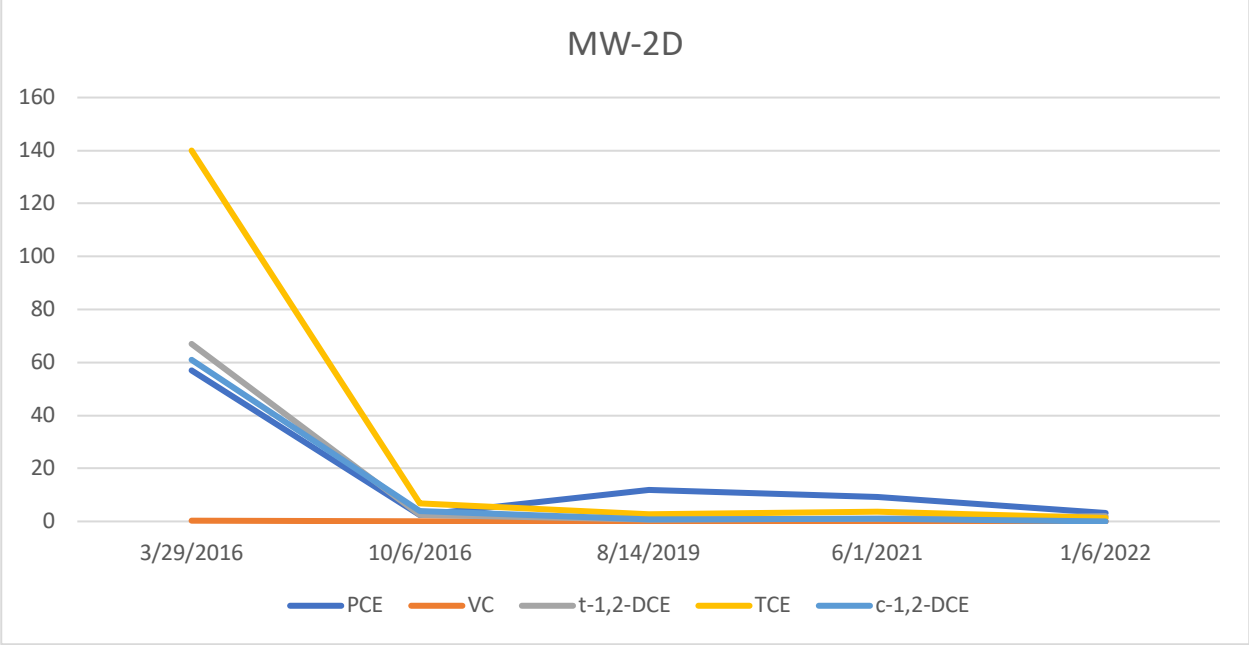
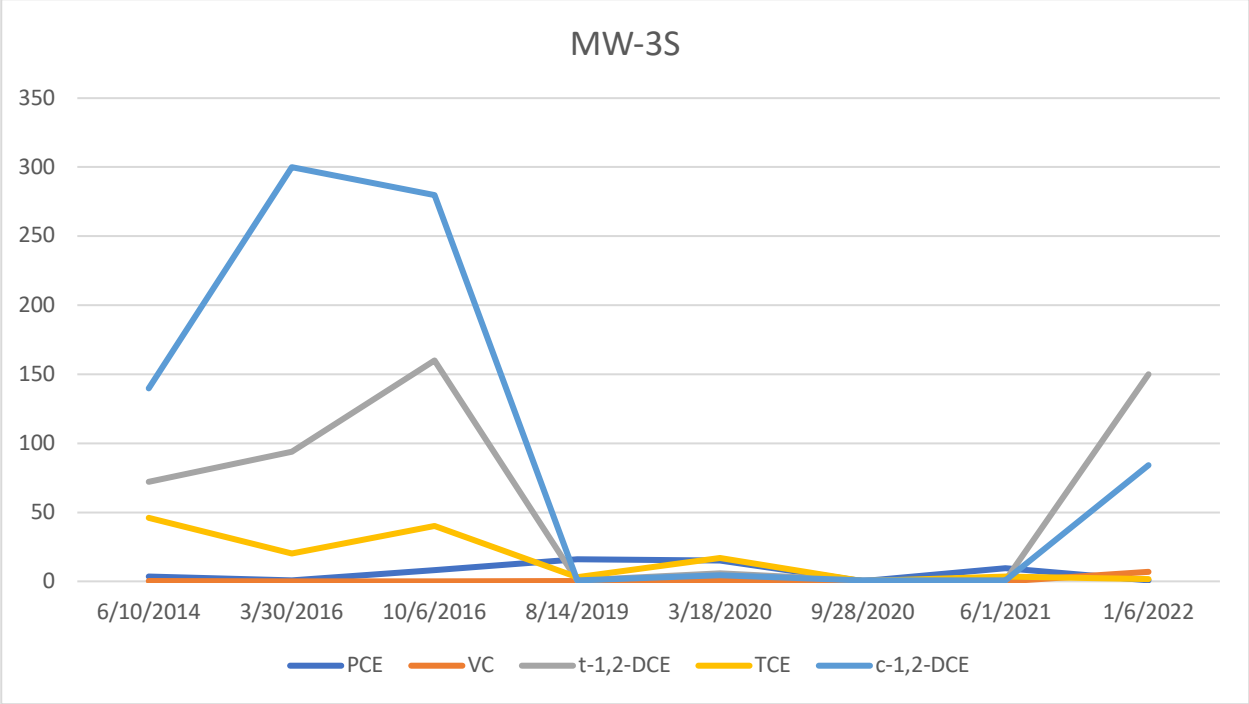


Table 3 – Groundwater Concentrations (2014-2022)



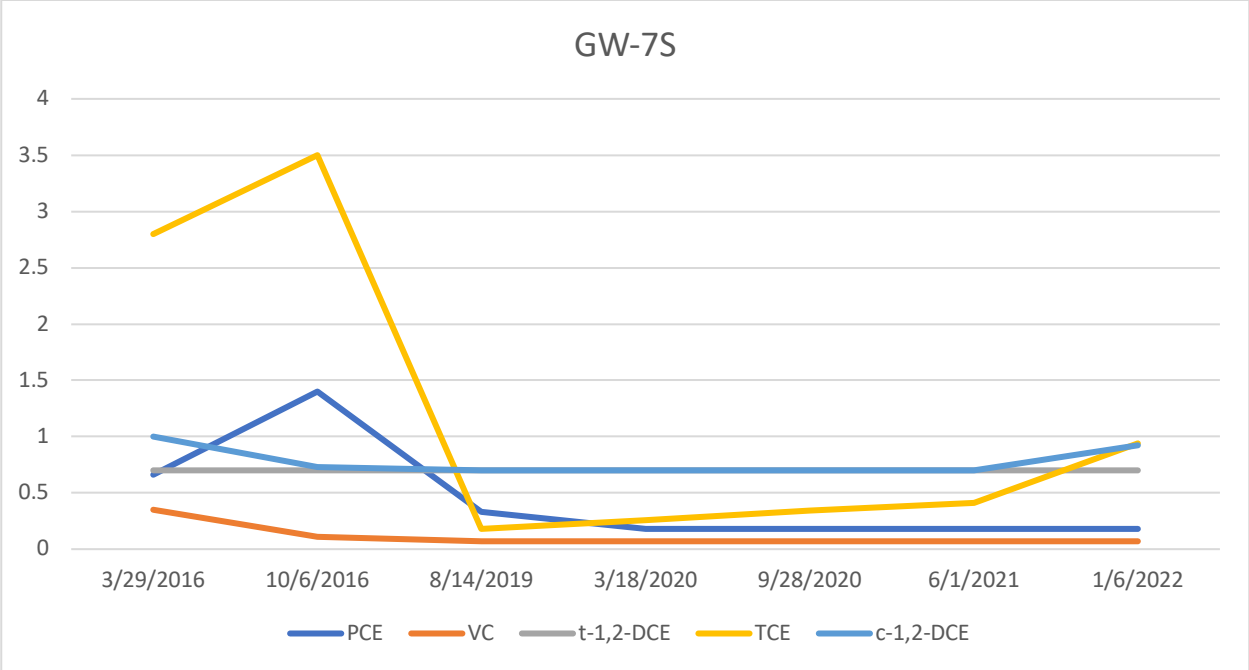
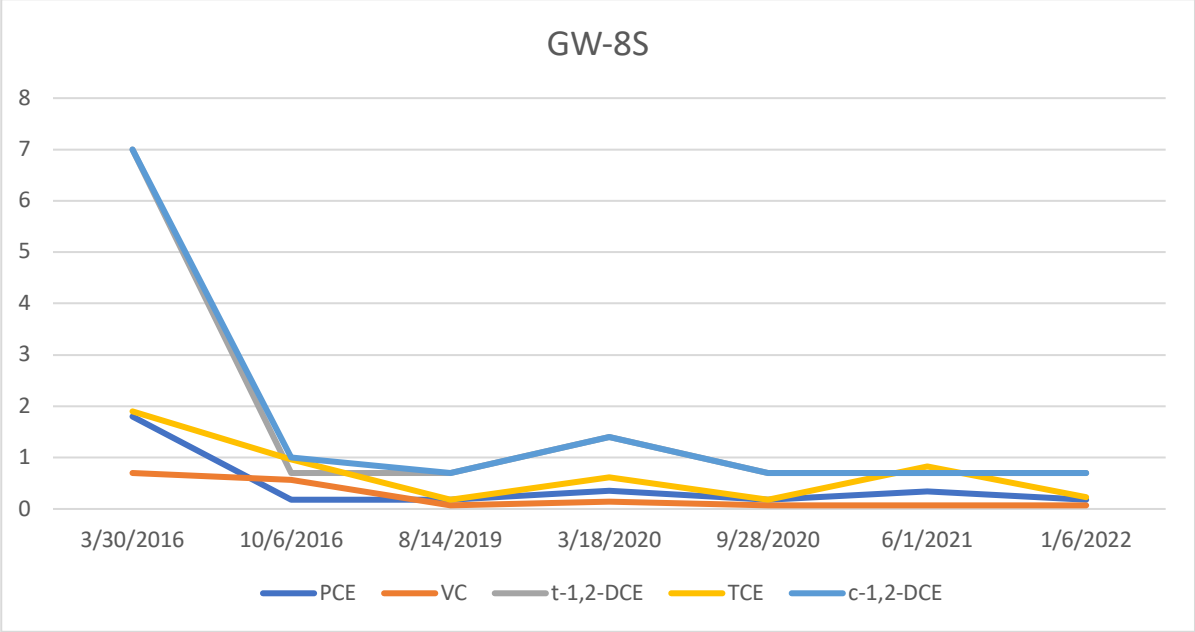


Table 3 – Groundwater Concentrations (2014-2022)



Appendix 1

Institutional and Engineering Controls (IC/EC) Certifications and Checklists

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C241167

Site Name 21-25 31st Street

Site Address: 21-25 31st Street Zip Code: 11105
City/Town: Astoria
County: Queens
Site Acreage: 0.273

Reporting Period: April 19, 2021 to April 18, 2022

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	X	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

	Box 2A	
	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	X
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	X	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C241167 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
portion of 831-18	RFC 31 Street | LLC	Ground Water Use Restriction Monitoring Plan Site Management Plan IC/EC Plan

Environmental Easement:

Imposition of an institutional control in the form of an environmental easement for the controlled property which will:
* require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
* allow the use and development of the controlled property for restricted residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
* restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) or New York City Department of Health (NYCDOH); and
* require compliance with the Department approved Site Management Plan.

Site Management Plan:

A Site Management Plan is in place which includes the following:
(a) an Institutional Control Plan that identifies all use restrictions for the site and details the steps and media-specific requirements necessary
to ensure the following institutional controls remain in place and effective:

Intuitional Controls: The Environmental Easement

This plan includes, but may not be limited to:
* a descriptions of the provisions of the environmental easement including any land use, and groundwater use restrictions;
* provision for evaluation of the potential for soil vapor intrusion for any occupied buildings on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;
* maintaining site access controls and Department notification; and
* the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.
(b) a Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
* monitoring of groundwater to assess the performance and effectiveness of the remedy;
* a schedule of monitoring and frequency of submittals to the Department;
* monitoring for vapor intrusion for any occupied existing or future buildings on the site, as may be required by the Institutional Control Plan discussed above.

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C241167

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I John Petras (print name) at 42-15 235th Street, Douglaston, NY 11363 (print business address),

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

5-26-22
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Matthew M. Carroll at 1085 Sackett Avenue, Bronx, NY 10461,
print name print business address

am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

05/19/2022
Date

Appendix 2
Groundwater Sampling Logs

Groundwater Sampling Logs
21-25 31st Street - Astoria NY

GROUNDWATER SAMPLING LOG

Site Name	21-25 31st St	Date	6/1/2021
Well No.	MW-2S	Sample ID	MW-2S
Well Diameter	2 inches	Depth to Water	33.08 ft-bg
Well Screen Interval	40 ft-bg	TOC Elevation	50.9
Headspace PID	16.3 ppm	GW Elevation	17.82
Weather	70° F, Sunny		
Pump	Bladder		
Water Quality Meter	Horiba U52		
Total Volume Purged	2.5 gallons		

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
0920	15.37	7.17	139	0.826	156.0	3.52	0.529
0930	15.38	7.16	140	0.828	139.0	2.51	0.53
0940	15.33	7.11	149	0.871	54.9	2.14	0.531
0950	15.36	7.15	151	0.895	33.5	2.09	0.531
1000	15.33	7.16	152	0.893	35.4	2.07	0.53

Notes:

Groundwater Sampling Logs
21-25 31st Street - Astoria NY

GROUNDWATER SAMPLING LOG

Site Name	21-25 31st St	Date	6/1/2021
Well No.	MW-2D	Sample ID	MW-2D
Well Diameter	2 inches	Depth to Water	33.28 ft-bg
Well Screen Interval	70 ft-bg	TOC Elevation	51.1
Headspace PID	0.0 ppm	GW Elevation	17.8
Weather	70° F, Sunny		
Pump	Bladder		
Water Quality Meter	Horiba U52		
Total Volume Purged	2 gallons		

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1030	16.75	7.38	182	1.70	759.0	5.79	1.09
1040	15.85	7.23	139	1.74	464.0	4.55	1.11
1050	15.53	7.16	129	1.67	125.0	4.39	1.07
1100	15.52	7.14	129	1.63	85.3	4.48	1.04
1110	15.5	7.12	127	1.61	43.9	4.21	1.03

Notes:

Groundwater Sampling Logs
21-25 31st Street - Astoria NY

GROUNDWATER SAMPLING LOG

Site Name	21-25 31st St	Date	6/1/2021
Well No.	MW-3S	Sample ID	MW-3S
Well Diameter	2 inches	Depth to Water	34.43 ft-bg
Well Screen Interval	N/R ft-bg	TOC Elevation	52.35
Headspace PID	3.6 ppm	GW Elevation	17.92
Weather	70° F, Sunny		
Pump	Bladder		
Water Quality Meter	Horiba U52		
Total Volume Purged	2 gallons		

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1130	17.89	8.65	85	0.875	385.0	3.57	0.532
1140	16.54	8.43	145	0.796	217.0	3.24	0.501
1150	16.43	8.35	147	0.788	103.0	2.95	0.499
1200	16.44	8.33	141	0.785	49.5	2.93	0.498

Notes:

Groundwater Sampling Logs
21-25 31st Street - Astoria NY

GROUNDWATER SAMPLING LOG

Site Name	21-25 31st St	Date	6/1/2021
Well No.	MW-7S	Sample ID	MW-7S
Well Diameter	2 inches	Depth to Water	38.02 ft-bg
Well Screen Interval	39 ft-bg	TOC Elevation	55.63
Headspace PID	0.0 ppm	GW Elevation	17.61
Weather	70° F, Sunny		
Pump	Bladder		
Water Quality Meter	Horiba U52		
Total Volume Purged	2.5 gallons		

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1245	16.52	6.86	-75	1.54	1000.0	0.95	1.12
1255	16.32	6.87	-80	1.52	523	0.35	1.15
1305	16.21	6.87	-83	1.55	325	0.05	1.13
1315	16.15	6.88	-84	1.53	107.0	0.04	1.11
1325	16.14	6.87	-88	1.52	62	0	1.11
1335	16.15	6.88	-87	1.54	44	0	1.10

Notes:

Groundwater Sampling Logs
21-25 31st Street - Astoria NY

GROUNDWATER SAMPLING LOG

Site Name	21-25 31st St	Date	6/1/2021
Well No.	MW-8S	Sample ID	MW-8S
Well Diameter	2 inches	Depth to Water	37.5 ft-bg
Well Screen Interval	40 ft-bg	TOC Elevation	56.29
Headspace PID	1.2 ppm	GW Elevation	18.79
Weather	70° F, Sunny		
Pump	Bladder		
Water Quality Meter	Horiba U52		
Total Volume Purged	3 gallons		

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1410	16.37	7.01	-95	1.25	825.0	0.41	0.735
1420	15.49	6.99	-86	1.27	523.0	0.35	0.733
1430	15.44	6.95	-84	1.23	249.0	0.25	0.732
1440	15.39	6.95	-83	1.24	95.4	0.21	0.731
1450	15.38	6.94	-84	1.24	48	0.19	0.731

Notes:
Slight sheen observed in purge water.

Groundwater Sampling Logs
21-25 31st Street - Astoria NY

GROUNDWATER SAMPLING LOG

Site Name	21-25 31st St	Date	1/6/2022
Well No.	MW-2S	Sample ID	MW-2S
Well Diameter	2 inches	Depth to Water	33.15 ft-bg
Well Screen Interval	40 ft-bg	TOC Elevation	50.9
Headspace PID	5.4 ppm	GW Elevation	17.75
Weather	30° F, Sunny		
Pump	Bladder		
Water Quality Meter	Horiba U52		
Total Volume Purged	2.5 gallons		

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1130	15.85	7.09	121	0.815	205.0	2.95	0.435
1140	15.79	7.1	125	0.819	135.0	2.85	0.425
1150	15.68	7.12	126	0.819	84.6	2.82	0.425
1200	15.67	7.13	126	0.818	43.5	2.73	0.424
1210	15.66	7.12	127	0.818	25.3	2.53	0.424

Notes:

Groundwater Sampling Logs
21-25 31st Street - Astoria NY

GROUNDWATER SAMPLING LOG

Site Name	21-25 31st St	Date	1/6/2022
Well No.	MW-2D	Sample ID	MW-2D
Well Diameter	2 inches	Depth to Water	33.25 ft-bg
Well Screen Interval	70 ft-bg	TOC Elevation	51.1
Headspace PID	0.0 ppm	GW Elevation	17.9
Weather	30° F, Sunny		
Pump	Bladder		
Water Quality Meter	Horiba U52		
Total Volume Purged	2.5 gallons		

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1230	15.98	7.35	121	1.69	358.0	4.67	1.09
1240	15.75	7.34	115	1.54	114.0	4.25	1.05
1250	15.56	7.35	112	1.51	64.9	3.92	1.04
1300	15.54	7.31	111	1.52	32.8	3.89	1.04

Notes:

Groundwater Sampling Logs
21-25 31st Street - Astoria NY

GROUNDWATER SAMPLING LOG

Site Name	21-25 31st St	Date	1/6/2022
Well No.	MW-3S	Sample ID	MW-3S
Well Diameter	2 inches	Depth to Water	34.38 ft-bg
Well Screen Interval	N/R ft-bg	TOC Elevation	52.35
Headspace PID	1.0 ppm	GW Elevation	17.97
Weather	30° F, Sunny		
Pump	Bladder		
Water Quality Meter	Horiba U52		
Total Volume Purged	2 gallons		

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
950	16.99	8.59	65	0.865	419.0	3.09	0.438
1000	16.84	8.45	95	0.845	158.0	2.95	0.425
1010	16.75	8.42	102	0.837	73.5	2.88	0.426
1020	16.73	8.41	101	0.835	26.9	2.4	0.426

Notes:

Groundwater Sampling Logs
21-25 31st Street - Astoria NY

GROUNDWATER SAMPLING LOG

Site Name	21-25 31st St	Date	1/6/2022
Well No.	MW-7S	Sample ID	MW-7S
Well Diameter	2 inches	Depth to Water	38.07 ft-bg
Well Screen Interval	39 ft-bg	TOC Elevation	55.63
Headspace PID	0.0 ppm	GW Elevation	17.56
Weather	30° F, Sunny		
Pump	Bladder		
Water Quality Meter	Horiba U52		
Total Volume Purged	3 gallons		

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1410	16.53	6.93	-99	1.46	754	0.21	0.95
1420	16.2	6.95	-95	1.47	431	0.15	0.93
1430	16.02	6.99	-96	1.43	157	0.03	0.92
1440	15.99	7.01	-94	1.42	83.6	0.0	0.91
1450	15.98	7.03	-93	1.41	31.5	0.0	0.91

Notes:

Groundwater Sampling Logs
21-25 31st Street - Astoria NY

GROUNDWATER SAMPLING LOG

Site Name	21-25 31st St	Date	1/6/2022
Well No.	MW-8S	Sample ID	MW-8S
Well Diameter	2 inches	Depth to Water	37.48 ft-bg
Well Screen Interval	40 ft-bg	TOC Elevation	56.29
Headspace PID	0.2 ppm	GW Elevation	18.81
Weather	30° F, Sunny		
Pump	Bladder		
Water Quality Meter	Horiba U52		
Total Volume Purged	3 gallons		

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1520	17.59	7.05	-80	1.15	594.0	0.51	0.563
1530	16.85	7.03	-75	1.1	551.0	0.32	0.561
1540	15.96	7.02	-73	1.08	145.0	0.12	0.560
1550	15.95	7.03	-71	1.08	84.6	0.0	0.559
1600	15.93	7.03	-70	1.07	41.9	0.0	0.559

Notes:
Slight sheen observed in purge water.

Appendix 3
Data Usability Summary Reports (DUSRs)

L.A.B. Validation Corp, 14 West Point Drive, East Northport, NY 11731

DATA USABILITY SUMMARY REPORT – DUSR
DATA VALIDATION SUMMARY

ORGANIC ANALYSIS

VOLATILES BY GC/MS

For Groundwater Samples Collected
June 01, 2021
From 21-25 31st Street
Astoria, New York

Collected by Tenen Environmental

SAMPLE DELIVERY GROUP NUMBER:
L2129111

BY ALPHA ANALYTICAL (ELAP #11148)

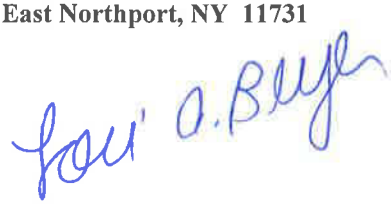
SUBMITTED TO:

Mr. Victor Chang
Tenen Environmental
121 West 27th Street, Suite 702
New York, NY 10001

May 08, 2022

PREPARED BY:

Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731



(516) 523-7891; email LABValidation@aol.com

21-25 31st Street, Astoria, New York
Groundwater Data Usability Summary Report (Data Validation)
Sampling and Analysis – June 2021 Sampling Event.
Analysis for Volatile Organics

Table of Contents:

A validation was performed on groundwater samples and the associated quality control samples (Field Duplicate/MS/MSD/Field Blank/Trip Blank) for organic analysis for samples collected under chain of custody documentation by Tenen Environmental and submitted to Alpha Analytical for subsequent analysis. This report contains the laboratory and validation results for the field samples itemized below. Analysis was performed in accordance with requested tests per the chain of custody document.

The samples were analyzed by Alpha Analytical, utilizing SW846 Methods and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodologies employed. The analytical testing for groundwater samples consisted of Volatile Organics. The data was evaluated in accordance with EPA Region II National Functional Guidelines for Organic Data Review and EPA Region II SOP for 8260 and in conjunction with the analytical methodologies for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following groundwater samples:

Sample ID	Lab ID	Analysis	Date Collected/ Received
MW2S [Plus, MS/MSD]	L2129111-01	Volatiles by SW846 Method 8260C	06/01/2021
MW2S DUP	L2129111-02	Volatiles by SW846 Method 8260C	06/01/2021
MW2D	L2129111-03	Volatiles by SW846 Method 8260C	06/01/2021
MW3S	L2129111-04	Volatiles by SW846 Method 8260C	06/01/2021
MW7S	L2129111-05	Volatiles by SW846 Method 8260C	06/01/2021
MW8S	L2129111-06	Volatiles by SW846 Method 8260C	06/01/2021
Field Blank	L2129111-07	Volatiles by SW846 Method 8260C	06/01/2021
Trip Blank	L2129111-08	Volatiles by SW846 Method 8260C	06/01/2021

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R - The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

J+ - The result is an estimated quantity, but the result may be biased high.

J- - The result is an estimated quantity, but the result may be biased low.

D - Analyte concentration is from diluted analysis.

Sample Receipt:
The Chain of Custody document indicates that the samples were received at Alpha Analytical via laboratory courier upon completion of the sampling event. Sample login notes were generated. The cooler temperature for the sample receipt was recorded upon receipt and determined to be acceptable (<6.0 degrees C) at 4.9 degrees C. No problems and/or discrepancies were noted, consequently, the integrity of the samples has been assumed to be good.

The data summary Form I's included in Appendix C includes all usable (qualified) and unusable (rejected) results for the samples identified above. The Form I's summarize the detailed narrative section of the report.

NOTE:
L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Volatile Organics by GC/MS SW846 Method 8260C

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS, Laboratory Spiked Blanks, Field Duplicate, Method Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The Volatile results are valid and usable except for non-detects in all samples for 1,4-Dioxane due to low calibration responses as noted within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J." The non-detects (sample quantitation limits) are required to be flagged as estimated, "J," or unusable, "R," if the holding times are grossly exceeded.

Samples were analyzed within the Method required holding times as well as the technical holding times for data validation of 14 days from collection for acid preserved vials. No data validation qualifiers were required based upon holding time or sample preservation.

1.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specification, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) for Dibromofluoromethane, 1,2-Dichloroethane-d4, Toluene-d8 and 4-Bromofluorobenzene were found to be within acceptable limits for surrogate compounds for all analyses.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

MS/MSD was performed on MW-2S. Tetrachloroethene recovered above limits at 135% in the MS and MSD. The laboratory reported concentration in the parent sample (4.5 ug/L) and field duplicate from this location (5.1 ug/L) has been qualified, "J+" biased high based on professional judgment. RPD for Bromomethane (24%) was above laboratory criteria of 20%. Bromomethane has been qualified, "UJ" due to continuing calibration response as discussed in Section 1.7 in this report. No additional qualifiers are required.

The National Functional Guidelines and EPA Region 2 SOPs state that "No qualifications to the data are necessary based on MS data alone."

1.4 Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/LCS Duplicates were analyzed for each sequence. In cases where high recovery for an analyte was obtained and the target compound was not detected in the associated samples, the data was not qualified. High recovery does not support any potential loss of detection and/or result bias for non-detects. Recovery values were acceptable for all spiked analytes.

1.5 Blank Contamination

Quality assurance (QA) blanks, i.e., method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, field, Trip, Instrument	Detects	Not Detected	No qualification required
	<CRQL*	<CRQL*	Report CRQL value with a U
		>/= CRQL* and <2x the CRQL**	No qualification required
	>CRQL*	</= CRQL*	Report CRQL value with a U
		>/=CRQL* and </= blank concentration	Report blank value for sample concentration with a U
		>/= CRQL* and > blank concentration	No qualification required
	=CRQL*	</= CRQL*	Report CRQL value with a U
		>CRQL*	No qualification required
	Gross Contamination**	Detects	Report blank value for sample concentration with a U

*2x the CRQL for methylene chloride, 2-butanone, and acetone.
**4x the CRQL for methylene chloride, 2-butanone, and acetone
***Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) **Method Blank Contamination:**
No target analytes were detected in the method blank.

B) **Field Blank Contamination:**
Chloromethane (1.0 ug/L) and Naphthalene (1.3 ug/L) were detected in the Field Blank. The laboratory reported concentration of Naphthalene (0.88 ug/L) in MW7S ha been negated, "U."

C) **Trip Blank Contamination:**
No target analytes were detected in the Trip Blank.

1.6 GC/MS Instrument Performance Check
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses.

1.7 Initial and Continuing Calibrations
Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can produce acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance. Initial calibration verifications were acceptable.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be >/= 0.05 in both initial and continuing calibrations. A value <0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J." All non-detects for that compound in the corresponding samples will be rejected, "R." Method 8260C allows for a minimum response factor of 0.1 for Acetone and 2-Butanone. Validation criteria allows response factor to be /=>0.01 for poor responders (Acetone, MEK, Carbon Disulfide, Chloroethane, Chloromethane, Cyclohexane, 1,2-Dibromoethane, Dichlorodifluoromethane, cis-1,2-Dichloroethene, 1,2-Dichloropropane, 1,2-Dibromo-3-chloropropane, Isopropylbenzene, Methyl Acetate, Methylene Chloride, Methylcyclohexane, MTBE, trans-1,2-Dichloroethene, 4-Methyl-2-Pentanone, 2-Hexanone, Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane.

All the response factors for the target analytes reported were found to be within acceptable limits (>/=0.05) and (>/= 0.01 for poor responders) and minimum response criteria in Table 4 of Method 8260C, for the initial and continuing calibrations for all reported analytes except for 1,4-Dioxane (0.001). 1,4-Dioxane non-detects have been rejected in all samples.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <20% and %D must be <20%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ." If

%RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R," unusable. Additionally, in cases where the %RSD is >20% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 20% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Closing CCV must meet 30% criteria. Poor responders must be </= 40%.

*Method 8260C allows for several analytes to be outside requirements due to the large number of compounds.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (20%) and (40% for poor responders) for all reported compounds.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (20%) and (40% for poor responders) for all reported compounds except as noted below:

CCAL VOA122 06/10/2021 – Bromomethane – 44.4%; "UJ" non-detects in all samples.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/-30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

All samples were spiked with the internal standards Fluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 prior to sample analysis. The area responses and retention time of each internal standard met QC criteria in all samples.

1.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples.

An acceptable RPD is 25% as documented in EPA Region 2 SOP HW33. Professional judgment is utilized for analytes that demonstrate high percent difference.

Field duplicate analysis was collected on MW-2S as MW-2S DUP. Acceptable precision was obtained for target analytes Tetrachloroethene (4.5 ug/L vs. 5.1 ug/L), Vinyl Chloride (2.8 ug/L vs. 2.9 ug/L), trans-1,2-Dichloroethene (53 ug/L vs. 55 ug/L), Trichloroethene (6.8 ug/L vs. 7.5 ug/L) and cis-1,2-Dichloroethene (19 ug/L vs 19 ug/L).

1.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within =/- 0.06RRT units of the standard compound and have an ion spectrum

which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. Retention times were within required specifications.

1.11 Tentatively Identified Compounds (TICs)

TICs were not required for these sampling events. When detected the identification must be considered tentative (both quantitative and qualitative) due to the lack of required compound specific response factors. Consequently, all concentrations should be considered estimated, "J" due to the qualitative uncertainty should be qualified, "N" where an identification has been made.

TICS were not required. Sample chromatograms for MW-7S and MW-8S demonstrate late eluting non-target presence.

1.12 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is acceptable. Correct internal standards per SW846 and response factors were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

Samples were analyzed undiluted. Analysis is acceptable.

1.13 Overall System Performance

Good resolution and chromatographic performance were observed.

Reviewer's Signature Lou A. Busch **Date** 05/08/2022

Appendix A
Chain of Custody Document

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 1

Date Rec'd in Lab: 6/02/21

ALPHA Job #: L2129111

Client Information
Client: Tenen Env LLC
Address: 121 W 27th St, suite 702
NY, NY, 10001
Phone: (646) 606 2332
Fax:
Email: Mcarroll@tenenenv.com

Project Information
Project Name: 21-21 31st street, Queens
Project Location: 21-21 31st street, Queens, NY
Project #
(Use Project name as Project #) [X]
Project Manager: M. Carroll
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [X] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Billing Information
[ ] Same as Client Info
PO #

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOC 8260

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	Sample Specific Comments
29111 - 01	MW-2S	6/1/21	10:05	GW	HPC	X	
- 02	MW-2S DUP	6/1/21	10:10	GW	HPC	X	
- 01	MW-2S MS	6/1/21	10:15	GW	HPC	X	
- 01	MW-2S MSD	6/1/21	10:20	GW	HPC	X	
- 03	MW-3D	6/1/21	11:10	GW	HPC	X	
- 04	MW-3S	6/1/21	12:05	GW	HPC	X	
- 05	MW-7S	6/1/21	13:40	GW	HPC	X	
- 06	MW-8S	6/1/21	14:45	GW	HPC	X	
- 07	Field Blank	6/1/21	16:15	AQ	HPC	X	
- 08	Trip Blank	6/1/21	—	AQ			

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
HPC	6/1/21 16:16	[illegible]	6/1/21 16:15
[illegible]	6/1/21 20:38	[illegible] AAL	6/1/21 21:00
[illegible] AAL	6/2/21 01:00	[illegible]	6/2/21 01:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Appendix B
Case Narrative

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The analysis performed was specified by the client.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey Report Date: 06/13/21

Title: Technical Director/Representative

Appendix C
Data Summary Form I's
With Qualifications

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-01	Date Collected	: 06/01/21 10:05
Client ID	: MW2S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/10/21 23:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	4.5	0.50	0.18	J+
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	2.8	1.0	0.07	

for 57872

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-01	Date Collected	: 06/01/21 10:05
Client ID	: MW2S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/10/21 23:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	53	2.5	0.70	
79-01-6	Trichloroethene	6.8	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	19	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	72	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-01	Date Collected	: 06/01/21 10:05
Client ID	: MW2S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/10/21 23:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

for 5/18/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-01	Date Collected	: 06/01/21 10:05
Client ID	: MW2S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/10/21 23:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-02	Date Collected	: 06/01/21 10:10
Client ID	: MW2S DUP	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/10/21 23:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N09	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	5.1	0.50	0.18	J+
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	2.9	1.0	0.07	

for 0187

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-02	Date Collected	: 06/01/21 10:10
Client ID	: MW2S DUP	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/10/21 23:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N09	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	55	2.5	0.70	
79-01-6	Trichloroethene	7.5	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	19	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	74	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-02	Date Collected	: 06/01/21 10:10
Client ID	: MW2S DUP	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/10/21 23:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N09	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

for 5/8/22

ALPHA ANALYTICAL

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-02	Date Collected	: 06/01/21 10:10
Client ID	: MW2S DUP	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/10/21 23:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N09	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-03	Date Collected	: 06/01/21 11:10
Client ID	: MW2D	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/10/21 23:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N10	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.97	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	9.3	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

for 5/8/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-03	Date Collected	: 06/01/21 11:10
Client ID	: MW2D	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/10/21 23:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N10	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	1.0	2.5	0.70	J
79-01-6	Trichloroethene	3.6	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.0	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	2.0	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-03	Date Collected	: 06/01/21 11:10
Client ID	: MW2D	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/10/21 23:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N10	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

for SBM

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-03	Date Collected	: 06/01/21 11:10
Client ID	: MW2D	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/10/21 23:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N10	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-04	Date Collected	: 06/01/21 12:05
Client ID	: MW3S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 00:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N11	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	1.2	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	9.6	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-04	Date Collected	: 06/01/21 12:05
Client ID	: MW3S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 00:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N11	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	0.93	2.5	0.70	J
79-01-6	Trichloroethene	3.4	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	0.88	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	1.8	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-04	Date Collected	: 06/01/21 12:05
Client ID	: MW3S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 00:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N11	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-04	Date Collected	: 06/01/21 12:05
Client ID	: MW3S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 00:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N11	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-05	Date Collected	: 06/01/21 13:40
Client ID	: MW7S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 00:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N12	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-05	Date Collected	: 06/01/21 13:40
Client ID	: MW7S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 00:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N12	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.41	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-05	Date Collected	: 06/01/21 13:40
Client ID	: MW7S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 00:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N12	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	1.3	2.5	0.70	J
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	~~0.88~~ ND	2.5	0.70	~~J~~ U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

for 5780

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-05	Date Collected	: 06/01/21 13:40
Client ID	: MW7S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 00:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N12	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-06	Date Collected	: 06/01/21 14:45
Client ID	: MW8S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 01:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.34	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	7.8	2.5	0.70	
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-06	Date Collected	: 06/01/21 14:45
Client ID	: MW8S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 01:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.83	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-06	Date Collected	: 06/01/21 14:45
Client ID	: MW8S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 01:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	2.5	2.5	0.70	
135-98-8	sec-Butylbenzene	3.9	2.5	0.70	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	10	2.5	0.70	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	160	2.5	0.70	
103-65-1	n-Propylbenzene	12	2.5	0.70	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	2.3	2.0	0.70	
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	15	2.0	0.54	
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-06	Date Collected	: 06/01/21 14:45
Client ID	: MW8S	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 01:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-07	Date Collected	: 06/01/21 16:15
Client ID	: FIELD BLANK	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 01:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N14	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	1.0	2.5	0.70	J
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-07	Date Collected	: 06/01/21 16:15
Client ID	: FIELD BLANK	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 01:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N14	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-07	Date Collected	: 06/01/21 16:15
Client ID	: FIELD BLANK	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 01:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N14	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	1.3	2.5	0.70	J
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

6/14/21

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-07	Date Collected	: 06/01/21 16:15
Client ID	: FIELD BLANK	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 01:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N14	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-08	Date Collected	: 06/01/21 00:00
Client ID	: TRIP BLANK	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 02:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N15	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-08	Date Collected	: 06/01/21 00:00
Client ID	: TRIP BLANK	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 02:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N15	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-08	Date Collected	: 06/01/21 00:00
Client ID	: TRIP BLANK	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 02:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N15	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: L2129111-08	Date Collected	: 06/01/21 00:00
Client ID	: TRIP BLANK	Date Received	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	Date Analyzed	: 06/11/21 02:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N15	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

L.A.B. Validation Corp, 14 West Point Drive, East Northport, NY 11731

DATA USABILITY SUMMARY REPORT – DUSR
DATA VALIDATION SUMMARY

ORGANIC ANALYSIS

VOLATILES BY GC/MS

For Groundwater Samples Collected
January 06, 2022
From 21-25 31st Street
Astoria, New York

Collected by Tenen Environmental

SAMPLE DELIVERY GROUP NUMBER:
L2200912

BY ALPHA ANALYTICAL (ELAP #11148)

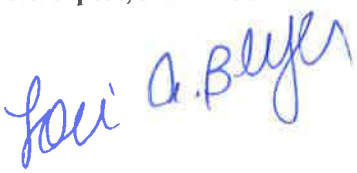
SUBMITTED TO:

Mr. Victor Chang
Tenen Environmental
121 West 27th Street, Suite 702
New York, NY 10001

May 08, 2022

PREPARED BY:

Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731



(516) 523-7891; email LABValidation@aol.com

21-25 31st Street, Astoria, New York
Groundwater Data Usability Summary Report (Data Validation)
Sampling and Analysis – January 2022 Sampling Event.
Analysis for Volatile Organics

Table of Contents:

A validation was performed on groundwater samples and the associated quality control samples (Field Duplicate/MS/MSD/Field Blank/Trip Blank) for organic analysis for samples collected under chain of custody documentation by Tenen Environmental and submitted to Alpha Analytical for subsequent analysis. This report contains the laboratory and validation results for the field samples itemized below. Analysis was performed in accordance with requested tests per the chain of custody document.

The samples were analyzed by Alpha Analytical, utilizing SW846 Methods and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodologies employed. The analytical testing for groundwater samples consisted of Volatile Organics. The data was evaluated in accordance with EPA Region II National Functional Guidelines for Organic Data Review and EPA Region II SOP for 8260 and in conjunction with the analytical methodologies for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following groundwater samples:

Sample ID	Lab ID	Analysis	Date Collected/ Received
MW-2S]	L2200912-01	Volatiles by SW846 Method 8260C	01/06/2022
MW2S DUP	L2200912-02	Volatiles by SW846 Method 8260C	01/06/2022
MW2D	L2200912-03	Volatiles by SW846 Method 8260C	01/06/2022
MW3S [Plus, MS/MSD]	L2200912-04	Volatiles by SW846 Method 8260C	01/06/2022
MW7S	L2200912-05	Volatiles by SW846 Method 8260C	01/06/2022
MW8S	L2200912-06	Volatiles by SW846 Method 8260C	01/06/2022
Field Blank 01062022	L2200912-07	Volatiles by SW846 Method 8260C	01/06/2022
Trip Blank	L2200912-08	Volatiles by SW846 Method 8260C	01/06/2022

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R - The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

J+ - The result is an estimated quantity, but the result may be biased high.

J- - The result is an estimated quantity, but the result may be biased low.

D - Analyte concentration is from diluted analysis.

Sample Receipt:
The Chain of Custody document indicates that the samples were received at Alpha Analytical via laboratory courier upon completion of the sampling event. Sample login notes were generated. The cooler temperature for the sample receipt was recorded upon receipt and determined to be acceptable (<6.0 degrees C) at 2.3 degrees C. No problems and/or discrepancies were noted, consequently, the integrity of the samples has been assumed to be good.

The data summary Form I's included in Appendix C includes all usable (qualified) and unusable (rejected) results for the samples identified above. The Form I's summarize the detailed narrative section of the report.

NOTE:
L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Volatile Organics by GC/MS SW846 Method 8260C

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS, Laboratory Spiked Blanks, Field Duplicate, Method Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The Volatile results are valid and usable except for non-detects in all samples for 1,4-Dioxane due to low calibration responses as noted within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J." The non-detects (sample quantitation limits) are required to be flagged as estimated, "J," or unusable, "R," if the holding times are grossly exceeded.

Samples were analyzed within the Method required holding times as well as the technical holding times for data validation of 14 days from collection for acid preserved vials. No data validation qualifiers were required based upon holding time or sample preservation.

1.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specification, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) for Dibromofluoromethane, 1,2-Dichloroethane-d4, Toluene-d8 and 4-Bromofluorobenzene were found to be within acceptable limits for surrogate compounds for all analyses.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

MS/MSD was performed on MW-3S. Trichlorofluoromethane (160%), Chloroethane (200%/190%), and Naphthalene (140%) recovered above limits in the MS and/or MSD. These target compounds were not detected in the parent sample. Elevated recovery does not support any potential loss of detection and/or result bias. Reported results are not impacted by these outliers. Trans,1-3 Dichloropropene (58%/69%), Vinyl Acetate (65%), and 2,2-Dichloropropane (53%/58%) non-detects have been qualified, "UJ" in the parent and field duplicate since recovery values in the MS and/or MSD are below laboratory limits. Recovery values for trans-1,2-Dichloroethene and cis-1,2-Dichloroethene were also obtained. Data was not qualified for these outliers based on professional judgment due to concentrations in the parent (unspiked) sample. Data was not qualified for RPD outliers for Acetone (26%) based on professional judgment.

The National Functional Guidelines and EPA Region 2 SOPs state that "No qualifications to the data are necessary based on MS data alone."

1.4 Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/LCS Duplicates were analyzed for each sequence. In cases where high recovery for an analyte was obtained and the target compound was not detected in the associated samples, the data was not qualified. High recovery does not support any potential loss of detection and/or result bias for non-detects. 2,2-Dichloropropane recovered below limits in the LCS (58%) and LCS Duplicate (60%). Non-detects in all samples have been qualified, "UJ."

1.5 Blank Contamination

Quality assurance (QA) blanks, i.e., method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, field, Trip, Instrument	Detects	Not Detected	No qualification required
	<CRQL*	<CRQL*	Report CRQL value with a U
		>/= CRQL* and <2x the CRQL**	No qualification required
	>CRQL*	</= CRQL*	Report CRQL value with a U
		>/=CRQL* and </= blank concentration	Report blank value for sample concentration with a U
		>/= CRQL* and > blank concentration	No qualification required
	=CRQL*	</= CRQL*	Report CRQL value with a U
		>CRQL*	No qualification required
	Gross Contamination**	Detects	Report blank value for sample concentration with a U

*2x the CRQL for methylene chloride, 2-butanone, and acetone.
**4x the CRQL for methylene chloride, 2-butanone, and acetone

***Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) **Method Blank Contamination:**
No target analytes were detected in the method blank.

B) **Field Blank Contamination:**
No target analytes were detected in Field Blank 01062022.

C) **Trip Blank Contamination:**
No target analytes were detected in the Trip Blank.

1.6 GC/MS Instrument Performance Check
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses.

1.7 Initial and Continuing Calibrations
Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can produce acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance. Initial calibration verifications were acceptable.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be >/= 0.05 in both initial and continuing calibrations. A value <0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J." All non-detects for that compound in the corresponding samples will be rejected, "R." Method 8260C allows for a minimum response factor of 0.1 for Acetone and 2-Butanone. Validation criteria allows response factor to be /=>0.01 for poor responders (Acetone, MEK, Carbon Disulfide, Chloroethane, Chloromethane, Cyclohexane, 1,2-Dibromoethane, Dichlorodifluoromethane, cis-1,2-Dichloroethene, 1,2-Dichloropropane, 1,2-Dibromo-3-chloropropane, Isopropylbenzene, Methyl Acetate, Methylene Chloride, Methylcyclohexane, MTBE, trans-1,2-Dichloroethene, 4-Methyl-2-Pentanone, 2-Hexanone, Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane.

All the response factors for the target analytes reported were found to be within acceptable limits (>/=0.05) and (>/= 0.01 for poor responders) and minimum response criteria in Table 4 of Method 8260C, for the initial and continuing calibrations for all reported analytes except for 1,4-Dioxane (0.001). 1,4-Dioxane non-detects have been rejected in all samples.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <20% and %D must be <20%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ." If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R," unusable. Additionally, in cases where the %RSD is >20% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 20% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Closing CCV must meet 30% criteria. Poor responders must be </= 40%.

*Method 8260C allows for several analytes to be outside requirements due to the large number of compounds.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (20%) and (40% for poor responders) for all reported compounds.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (20%) and (40% for poor responders) for all reported compounds except as noted below:

CCAL ELAINE 01/13/2022 – Bromomethane – 25.0%, Chloroethane – 85.5%, 2,2-Dichloropropane – 43.5%, Carbon Tetrachloride – 26.1%, trans-1,3-Dichloropropene – 28.3%, 1,1,1,2-Tetrachloroethane – 25.7%. Results have been qualified, "J/UJ" in all samples.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/-30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

All samples were spiked with the internal standards Fluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 prior to sample analysis. The area responses and retention time of each internal standard met QC criteria in all samples.

1.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples.

An acceptable RPD is 25% as documented in EPA Region 2 SOP HW33. Professional judgment is utilized for analytes that demonstrate high percent difference.

Field duplicate analysis was collected on MW-3S as MW-3S-DUP. Acceptable precision was obtained for target analytes Tetrachloroethene (0.76 ug/L vs. 0.69 ug/L), Ethylbenzene (2.5 ug/L vs. 2.1 ug/L), Vinyl Chloride (6.9 ug/L vs. 6.4 ug/L), trans-1,2-Dichloroethene (150 ug/L vs. 140 ug/L), Trichloroethene (1.8 ug/L vs. 1.6 ug/L), o-Xylene (0.70 ug/L vs. 0.71 ug/L), cis-1,2-Dichloroethene (84 ug/L vs. 80 ug/L) and Isopropylbenzene (1.2 ug/L vs. 1.1 ug/L). No qualifiers are required.

1.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within =/- 0.06RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. Retention times were within required specifications.

1.11 Tentatively Identified Compounds (TICs)

TICs were not required for these sampling events. When detected the identification must be considered tentative (both quantitative and qualitative) due to the lack of required compound specific response factors. Consequently, all concentrations should be considered estimated, "J" due to the qualitative uncertainty should be qualified, "N" where an identification has been made.

TICS were not required. Sample chromatograms for MW-7S and MW-8S demonstrate late eluting non-target presence.

1.12 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is acceptable. Correct internal standards per SW846 and response factors were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

Samples were analyzed undiluted. Analysis is acceptable.

1.13 Overall System Performance

Good resolution and chromatographic performance were observed.

Reviewer's Signature Lou A Blyer **Date** 05/08/2022

Appendix A
Chain of Custody Document

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 1

Date Rec'd in Lab: 1/6/22

ALPHA Job #: L2200912

Client Information
Client: Tenen Env LLC
Address: 121 W 27th
NY NY 10001
Phone: 646 606 2332
Fax:
Email: mcarroll@tenenenv.com

Project Information
Project Name: 21-25 31st st
Project Location: 21-25 31st st, Queens, NY
Project #
(Use Project name as Project #) [X]
Project Manager: M. Carroll
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [X] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Billing Information
[ ] Same as Client Info
PO #

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Sample Specific Comments
00912-01	MW-2S	1/6/22	1210	GW	HPL	X	
-02	MW-2D	"	1300	GW	HPL	X	
-03	MW-3S		1020	GW	HPL	X	
-03 -04 MS	MW-3S-MS		1025	GW	HPL	X	
-03 -05	MW-3S-MSD		1030	GW	HPL	X	
-04 -06	MW-3S-DUP		1035	GW	HPL	X	
-05 -07	MW-7S		1450	GW	HPL	X	
-06 -08	MW-8S	1/6/22	1600	GW	HPL	X	
-07 -09	Field Blank 01062022	1/6/22	1510	~~GW~~ AQ	HPL	X	
-08 -10	Trip Blank	1/6/22		AQ	JB	X	

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	1/6/22 16:35		1/6/22 16:35
	1/6/22 17:55		1/6/22 1930
		ASL	1/6/22 21:00
ASL	1/6/22 23100		1/6/22 2300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Appendix B
Case Narrative

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Wallukeit Report Date: 01/20/22

Title: Technical Director/Representative

Appendix C
Data Summary Form I's
With Qualifications

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-01	Date Collected	: 01/06/22 12:10
Client ID	: MW-2S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 14:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A12	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.72	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	~~U~~ UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	3.6	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	~~U~~ UJ
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	~~U~~ UJ
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	0.88	1.0	0.07	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-01	Date Collected	: 01/06/22 12:10
Client ID	: MW-2S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 14:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A12	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	1.2	2.5	0.70	J
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	91	2.5	0.70	
79-01-6	Trichloroethene	7.4	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	56	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	150	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-01	Date Collected	: 01/06/22 12:10
Client ID	: MW-2S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 14:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A12	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	~~U~~ UJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-01	Date Collected	: 01/06/22 12:10
Client ID	: MW-2S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 14:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A12	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-02	Date Collected	: 01/06/22 13:00
Client ID	: MW-2D	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 14:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A13	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	3.3	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U UJ
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U UJ
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-02	Date Collected	: 01/06/22 13:00
Client ID	: MW-2D	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 14:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A13	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	~~U~~ UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	1.9	2.5	0.70	J
79-01-6	Trichloroethene	1.3	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	1.9	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-02	Date Collected	: 01/06/22 13:00
Client ID	: MW-2D	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 14:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A13	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	~~U~~ UJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ A
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

for 517m

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-02	Date Collected	: 01/06/22 13:00
Client ID	: MW-2D	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 14:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A13	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-03	Date Collected	: 01/06/22 10:20
Client ID	: MW-3S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A14	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	~~U~~ UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.76	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	~~U~~ UJ
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	~~U~~ UJ
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	2.5	2.5	0.70	
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	6.9	1.0	0.07	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-03	Date Collected	: 01/06/22 10:20
Client ID	: MW-3S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A14	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	~~U~~ UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	150	2.5	0.70	
79-01-6	Trichloroethene	1.8	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	0.70	2.5	0.70	J
1330-20-7	Xylenes, Total	0.70	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	84	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	230	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-03	Date Collected	: 01/06/22 10:20
Client ID	: MW-3S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A14	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	~~U~~ UJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	1.2	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-03	Date Collected	: 01/06/22 10:20
Client ID	: MW-3S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A14	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-04	Date Collected	: 01/06/22 10:35
Client ID	: MW-3S-DUP	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A15	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.69	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U UJ
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U UJ
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	2.1	2.5	0.70	J
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	6.4	1.0	0.07	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-04	Date Collected	: 01/06/22 10:35
Client ID	: MW-3S-DUP	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A15	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	~~U~~ UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	140	2.5	0.70	
79-01-6	Trichloroethene	1.6	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	0.71	2.5	0.70	J
1330-20-7	Xylenes, Total	0.71	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	80	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	220	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

for 571m

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-04	Date Collected	: 01/06/22 10:35
Client ID	: MW-3S-DUP	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A15	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	~~U~~ UJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	1.1	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-04	Date Collected	: 01/06/22 10:35
Client ID	: MW-3S-DUP	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A15	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-05	Date Collected	: 01/06/22 14:50
Client ID	: MW-7S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A16	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U UJ
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U UJ
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.26	0.50	0.16	J
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	0.92	2.5	0.70	J
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-05	Date Collected	: 01/06/22 14:50
Client ID	: MW-7S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A16	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	~~U~~ UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.94	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	0.92	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	0.92	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-05	Date Collected	: 01/06/22 14:50
Client ID	: MW-7S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A16	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	~~U~~ UJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	1.1	2.5	0.70	J
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	1.6	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	1.6	2.5	0.70	J
103-65-1	n-Propylbenzene	0.76	2.5	0.70	J
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	0.79	2.0	0.54	J
60-29-7	Ethyl ether	ND	2.5	0.70	U

for 5771

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-05	Date Collected	: 01/06/22 14:50
Client ID	: MW-7S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A16	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-06	Date Collected	: 01/06/22 16:00
Client ID	: MW-8S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 16:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A17	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	~~U~~ UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	~~U~~ UJ
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	~~U~~ UJ
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-06	Date Collected	: 01/06/22 16:00
Client ID	: MW-8S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 16:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A17	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.23	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-06	Date Collected	: 01/06/22 16:00
Client ID	: MW-8S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 16:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A17	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	~~U~~ UJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	13	2.5	0.70	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

for 5/7/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-06	Date Collected	: 01/06/22 16:00
Client ID	: MW-8S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 16:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A17	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-07	Date Collected	: 01/06/22 15:10
Client ID	: FIELD BLANK 01062022	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 16:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A18	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	~~U~~ UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	~~U~~ UJ
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	~~U~~ UJ
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-07	Date Collected	: 01/06/22 15:10
Client ID	: FIELD BLANK 01062022	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 16:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A18	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-07	Date Collected	: 01/06/22 15:10
Client ID	: FIELD BLANK 01062022	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 16:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A18	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	~~U~~ UJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

for 5/7/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-07	Date Collected	: 01/06/22 15:10
Client ID	: FIELD BLANK 01062022	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 16:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A18	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-08	Date Collected	: 01/06/22 00:00
Client ID	: TRIP BLANK	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 16:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A19	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	~~U~~ UJ
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	~~U~~ UJ
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	~~U~~ UJ
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

1/13/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-08	Date Collected	: 01/06/22 00:00
Client ID	: TRIP BLANK	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 16:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A19	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-08	Date Collected	: 01/06/22 00:00
Client ID	: TRIP BLANK	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 16:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A19	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	~~U~~ UJ
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

1/17/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-08	Date Collected	: 01/06/22 00:00
Client ID	: TRIP BLANK	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 16:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A19	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Appendix 4
Laboratory Deliverables

www.alphalab.com

Alpha Analytical

Laboratory Code: 11148

SDG Number: L2129111

Table of Contents

Table of Contents

Project Name: 21-21 31ST STREET
Project Number: 21-21 31ST STREET

Lab Number: L2129111
Report Date: 06/13/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2129111-01	MW2S	WATER	21-21 31ST STREET, QUEENS, NY	06/01/21 10:05	06/01/21
L2129111-02	MW2S DUP	WATER	21-21 31ST STREET, QUEENS, NY	06/01/21 10:10	06/01/21
L2129111-03	MW2D	WATER	21-21 31ST STREET, QUEENS, NY	06/01/21 11:10	06/01/21
L2129111-04	MW3S	WATER	21-21 31ST STREET, QUEENS, NY	06/01/21 12:05	06/01/21
L2129111-05	MW7S	WATER	21-21 31ST STREET, QUEENS, NY	06/01/21 13:40	06/01/21
L2129111-06	MW8S	WATER	21-21 31ST STREET, QUEENS, NY	06/01/21 14:45	06/01/21
L2129111-07	FIELD BLANK	WATER	21-21 31ST STREET, QUEENS, NY	06/01/21 16:15	06/01/21
L2129111-08	TRIP BLANK	WATER	21-21 31ST STREET, QUEENS, NY	06/01/21 00:00	06/01/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The analysis performed was specified by the client.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey Report Date: 06/13/21

Title: Technical Director/Representative

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Alpha Job Number : L2129111

Account Name : Tenen Environmental, LLC
Project Number : 21-21 31ST STREET
Project Name : 21-21 31ST STREET

Received : 01-JUN-2021
Reviewer : Karoll Palma

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.9	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between sample labels & COC?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 13 2021, 09:50 pm

Login Number: L2129111
Account: TENEN Tenen Environmental, LLCProject: 21-21 31ST STREET
Received: 01JUN21 Due Date: 10JUN21

Sample #	Client ID	Mat	PR	Collected
L2129111-01	MW2S	1	S0	01JUN21 10:05

L2129111-01 MS L2129111-01 MSD login: if trip blank recieved and not on COC please add it ASP-B
Package Due Date: 06/10/21

ASP-B,MS/MSD,NYTCL-8260

L2129111-02	MW2S DUP	1	S0	01JUN21 10:10

login: if trip blank recieved and not on COC please add it Package Due Date: 06/10/21

NYTCL-8260

L2129111-03	MW2D	1	S0	01JUN21 11:10

login: if trip blank recieved and not on COC please add it Package Due Date: 06/10/21

NYTCL-8260

L2129111-04	MW3S	1	S0	01JUN21 12:05

login: if trip blank recieved and not on COC please add it Package Due Date: 06/10/21

NYTCL-8260

L2129111-05	MW7S	1	S0	01JUN21 13:40

login: if trip blank recieved and not on COC please add it Package Due Date: 06/10/21

NYTCL-8260

L2129111-06	MW8S	1	S0	01JUN21 14:45

login: if trip blank recieved and not on COC please add it Package Due Date: 06/10/21

NYTCL-8260

L2129111-07	FIELD BLANK	1	S0	01JUN21 16:15

login: if trip blank recieved and not on COC please add it Package Due Date: 06/10/21

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jun 13 2021, 09:50 pm

Login Number: L2129111
Account: TENEN Tenen Environmental, LLCProject: 21-21 31ST STREET
Received: 01JUN21 Due Date: 10JUN21

Sample #	Client ID	Mat	PR	Collected
NYTCL-8260				
L2129111-08	TRIP BLANK	1 S0		01JUN21 00:00

login: if trip blank recieved and not on COC please add it Package Due Date: 06/10/21

NYTCL-8260

Logged By: Karoll Palma

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/02/21

ALPHA Job #: L2129111

Client Information
Client: Tenen Env LLC
Address: 121 W 27th St, suite 702
NY, NY, 10001
Phone: (646) 606 2332
Fax:
Email: Mcarroll@tenen-env.com

Project Information
Project Name: 21-21 31st street, Queens
Project Location: 21-21 31st street, Queens, NY
Project #
(Use Project name as Project #) [X]
Project Manager: M. Carroll
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [X] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Billing Information
[ ] Same as Client Info
PO #

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOC 8260

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	Sample Specific Comments
29111 - 01	MW-2S	6/1/21	10:05	GW	HPC	X	
- 02	MW-2S DUP	6/1/21	10:10	GW	HPC	X	
- 01	MW-2S MS	6/1/21	10:15	GW	HPC	X	
- 01	MW-2S MSD	6/1/21	10:20	GW	HPC	X	
- 03	MW-3D	6/1/21	11:10	GW	HPC	X	
- 04	MW-3S	6/1/21	12:05	GW	HPC	X	
- 05	MW-7S	6/1/21	13:40	GW	HPC	X	
- 06	MW-8S	6/1/21	14:45	GW	HPC	X	
- 07	Field Blank	6/1/21	16:15	AQ	HPC	X	
- 08	Trip Blank	6/1/21	—	AQ			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V
Preservative	B

Relinquished By:	Date/Time	Received By:	Date/Time
HPC	6/1/21 16:16	[illegible]	6/1/21 16:15
[illegible]	6/1/21 20:38	[illegible] AAL	6/1/21 21:00
[illegible] AAL	6/2/21 01:00	[illegible]	6/2/21 01:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: Tenen Environmental, LLC
Project Name: 21-21 31ST STREET

Lab Number: L2129111
Project Number: 21-21 31ST STREET
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW2S (L2129111-01)	117	97	90	112	0
MW2S DUP (L2129111-02)	119	97	91	112	0
MW2D (L2129111-03)	119	98	91	114	0
MW3S (L2129111-04)	126	96	91	116	0
MW7S (L2129111-05)	123	94	91	117	0
MW8S (L2129111-06)	121	95	92	114	0
FIELD BLANK (L2129111-07)	112	97	89	112	0
TRIP BLANK (L2129111-08)	118	97	90	117	0
WG1510951-3LCS	114	98	91	112	0
WG1510951-4LCSD	117	99	92	110	0
WG1510951-5BLANK	122	96	90	116	0
MW2SMS	109	97	92	107	0
MW2SMSD	108	97	93	107	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Matrix	: WATER		
LCS Sample ID	: WG1510951-3	**Analysis Date** : 06/10/21 20:01	**File ID** : V22210610N01
LCSD Sample ID	: WG1510951-4	**Analysis Date** : 06/10/21 20:26	**File ID** : V22210610N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.2	92	10	9.0	90	2	70-130	20
1,1-Dichloroethane	10	9.5	95	10	9.7	97	2	70-130	20
Chloroform	10	9.7	97	10	9.8	98	1	70-130	20
Carbon tetrachloride	10	12	120	10	12	120	0	63-132	20
1,2-Dichloropropane	10	8.8	88	10	9.0	90	2	70-130	20
Dibromochloromethane	10	11	110	10	11	110	0	63-130	20
1,1,2-Trichloroethane	10	8.6	86	10	8.8	88	2	70-130	20
Tetrachloroethene	10	11	110	10	11	110	0	70-130	20
Chlorobenzene	10	9.0	90	10	8.9	89	1	75-130	20
Trichlorofluoromethane	10	12	120	10	12	120	0	62-150	20
1,2-Dichloroethane	10	10	100	10	11	110	10	70-130	20
1,1,1-Trichloroethane	10	11	110	10	11	110	0	67-130	20
Bromodichloromethane	10	9.8	98	10	9.9	99	1	67-130	20
trans-1,3-Dichloropropene	10	8.4	84	10	8.5	85	1	70-130	20
cis-1,3-Dichloropropene	10	9.0	90	10	9.2	92	2	70-130	20
1,1-Dichloropropene	10	9.0	90	10	9.3	93	3	70-130	20
Bromoform	10	11	110	10	10	100	10	54-136	20
1,1,2,2-Tetrachloroethane	10	8.1	81	10	8.5	85	5	67-130	20
Benzene	10	9.0	90	10	8.9	89	1	70-130	20
Toluene	10	8.7	87	10	8.8	88	1	70-130	20
Ethylbenzene	10	9.2	92	10	9.1	91	1	70-130	20
Chloromethane	10	8.5	85	10	8.2	82	4	64-130	20
Bromomethane	10	5.6	56	10	6.0	60	7	39-139	20
Vinyl chloride	10	8.0	80	10	7.7	77	4	55-140	20
Chloroethane	10	7.6	76	10	7.4	74	3	55-138	20
1,1-Dichloroethene	10	9.5	95	10	9.7	97	2	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Matrix	: WATER		
LCS Sample ID	: WG1510951-3	**Analysis Date** : 06/10/21 20:01	**File ID** : V22210610N01
LCSD Sample ID	: WG1510951-4	**Analysis Date** : 06/10/21 20:26	**File ID** : V22210610N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	9.3	93	10	9.5	95	2	70-130	20
Trichloroethene	10	9.3	93	10	9.8	98	5	70-130	20
1,2-Dichlorobenzene	10	9.2	92	10	8.9	89	3	70-130	20
1,3-Dichlorobenzene	10	9.1	91	10	9.0	90	1	70-130	20
1,4-Dichlorobenzene	10	9.1	91	10	8.9	89	2	70-130	20
Methyl tert butyl ether	10	8.9	89	10	9.5	95	7	63-130	20
p/m-Xylene	20	18	90	20	18	90	0	70-130	20
o-Xylene	20	18	90	20	18	90	0	70-130	20
cis-1,2-Dichloroethene	10	9.3	93	10	9.3	93	0	70-130	20
Dibromomethane	10	9.1	91	10	9.4	94	3	70-130	20
1,2,3-Trichloropropane	10	8.2	82	10	8.7	87	6	64-130	20
Acrylonitrile	10	9.0	90	10	9.4	94	4	70-130	20
Styrene	20	18	90	20	18	90	0	70-130	20
Dichlorodifluoromethane	10	10	100	10	10	100	0	36-147	20
Acetone	10	8.6	86	10	9.3	93	8	58-148	20
Carbon disulfide	10	9.4	94	10	9.3	93	1	51-130	20
2-Butanone	10	9.8	98	10	9.8	98	0	63-138	20
Vinyl acetate	10	10	100	10	11	110	10	70-130	20
4-Methyl-2-pentanone	10	8.0	80	10	9.2	92	14	59-130	20
2-Hexanone	10	7.8	78	10	9.2	92	16	57-130	20
Bromochloromethane	10	11	110	10	11	110	0	70-130	20
2,2-Dichloropropane	10	9.9	99	10	9.7	97	2	63-133	20
1,2-Dibromoethane	10	9.2	92	10	9.8	98	6	70-130	20
1,3-Dichloropropane	10	8.5	85	10	8.7	87	2	70-130	20
1,1,1,2-Tetrachloroethane	10	9.9	99	10	10	100	1	64-130	20
Bromobenzene	10	9.7	97	10	9.6	96	1	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Matrix	: WATER		
LCS Sample ID	: WG1510951-3	**Analysis Date** : 06/10/21 20:01	**File ID** : V22210610N01
LCSD Sample ID	: WG1510951-4	**Analysis Date** : 06/10/21 20:26	**File ID** : V22210610N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	8.2	82	10	8.2	82	0	53-136	20
sec-Butylbenzene	10	8.3	83	10	8.2	82	1	70-130	20
tert-Butylbenzene	10	8.0	80	10	8.0	80	0	70-130	20
o-Chlorotoluene	10	8.3	83	10	8.3	83	0	70-130	20
p-Chlorotoluene	10	8.4	84	10	8.4	84	0	70-130	20
1,2-Dibromo-3-chloropropane	10	9.2	92	10	10	100	8	41-144	20
Hexachlorobutadiene	10	12	120	10	12	120	0	63-130	20
Isopropylbenzene	10	8.8	88	10	8.5	85	3	70-130	20
p-Isopropyltoluene	10	8.4	84	10	8.5	85	1	70-130	20
Naphthalene	10	8.4	84	10	9.1	91	8	70-130	20
n-Propylbenzene	10	8.2	82	10	8.1	81	1	69-130	20
1,2,3-Trichlorobenzene	10	9.8	98	10	10	100	2	70-130	20
1,2,4-Trichlorobenzene	10	9.8	98	10	9.6	96	2	70-130	20
1,3,5-Trimethylbenzene	10	8.6	86	10	8.6	86	0	64-130	20
1,2,4-Trimethylbenzene	10	8.8	88	10	8.6	86	2	70-130	20
1,4-Dioxane	500	450	90	500	490	98	9	56-162	20
p-Diethylbenzene	10	8.3	83	10	8.2	82	1	70-130	20
p-Ethyltoluene	10	8.4	84	10	8.3	83	1	70-130	20
1,2,4,5-Tetramethylbenzene	10	8.2	82	10	8.2	82	0	70-130	20
Ethyl ether	10	8.3	83	10	8.6	86	4	59-134	20
trans-1,4-Dichloro-2-butene	10	9.2	92	10	9.0	90	2	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Client Sample ID	: MW2S	**Matrix**	: WATER
Lab Sample ID	: L2129111-01	**Analysis Date**	: 06/10/21 23:00
Matrix Spike	: WG1510951-6	**MS Analysis Date**	: 06/11/21 06:21
Matrix Spike Dup	: WG1510951-7	**MSD Analysis Date**	: 06/11/21 06:47

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	10	100	10	10	100	0	70-130	20
1,1-Dichloroethane	ND	10	10	100	10	10	100	0	70-130	20
Chloroform	ND	10	11	110	10	11	110	0	70-130	20
Carbon tetrachloride	ND	10	13	130	10	13	130	0	63-132	20
1,2-Dichloropropane	ND	10	9.8	98	10	9.9	99	1	70-130	20
Dibromochloromethane	ND	10	12	120	10	12	120	0	63-130	20
1,1,2-Trichloroethane	ND	10	10	100	10	10	100	0	70-130	20
Tetrachloroethene	4.5	10	18	135 Q	10	18	135 Q	0	70-130	20
Chlorobenzene	ND	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	ND	10	13	130	10	13	130	0	62-150	20
1,2-Dichloroethane	ND	10	11	110	10	11	110	0	70-130	20
1,1,1-Trichloroethane	ND	10	12	120	10	12	120	0	67-130	20
Bromodichloromethane	ND	10	11	110	10	11	110	0	67-130	20
trans-1,3-Dichloropropene	ND	10	9.1	91	10	9.2	92	1	70-130	20
cis-1,3-Dichloropropene	ND	10	9.7	97	10	9.8	98	1	70-130	20
1,1-Dichloropropene	ND	10	11	110	10	10	100	10	70-130	20
Bromoform	ND	10	12	120	10	12	120	0	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	9.7	97	10	9.7	97	0	67-130	20
Benzene	ND	10	10	100	10	10	100	0	70-130	20
Toluene	ND	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	ND	10	10	100	10	10	100	0	70-130	20
Chloromethane	ND	10	8.7	87	10	9.2	92	6	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Client Sample ID	: MW2S	**Matrix**	: WATER
Lab Sample ID	: L2129111-01	**Analysis Date**	: 06/10/21 23:00
Matrix Spike	: WG1510951-6	**MS Analysis Date**	: 06/11/21 06:21
Matrix Spike Dup	: WG1510951-7	**MSD Analysis Date**	: 06/11/21 06:47

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Bromomethane	ND	10	5.2	52	10	6.6	66	24 Q	39-139	20
Vinyl chloride	2.8	10	11	82	10	12	92	9	55-140	20
Chloroethane	ND	10	7.9	79	10	8.0	80	1	55-138	20
1,1-Dichloroethene	ND	10	11	110	10	12	120	9	61-145	20
trans-1,2-Dichloroethene	53	10	64	110	10	65	120	2	70-130	20
Trichloroethene	6.8	10	18	112	10	18	112	0	70-130	20
1,2-Dichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	ND	10	11	110	10	11	110	0	63-130	20
p/m-Xylene	ND	20	21	105	20	21	105	0	70-130	20
o-Xylene	ND	20	21	105	20	21	105	0	70-130	20
cis-1,2-Dichloroethene	19	10	30	110	10	30	110	0	70-130	20
Dibromomethane	ND	10	10	100	10	10	100	0	70-130	20
1,2,3-Trichloropropane	ND	10	9.5	95	10	9.4	94	1	64-130	20
Acrylonitrile	ND	10	10	100	10	10	100	0	70-130	20
Styrene	ND	20	20	100	20	20	100	0	70-130	20
Dichlorodifluoromethane	ND	10	10	100	10	11	110	10	36-147	20
Acetone	ND	10	10	100	10	10	100	0	58-148	20
Carbon disulfide	ND	10	11	110	10	11	110	0	51-130	20
2-Butanone	ND	10	9.4	94	10	9.8	98	4	63-138	20
Vinyl acetate	ND	10	11	110	10	11	110	0	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Client Sample ID	: MW2S	**Matrix**	: WATER
Lab Sample ID	: L2129111-01	**Analysis Date**	: 06/10/21 23:00
Matrix Spike	: WG1510951-6	**MS Analysis Date**	: 06/11/21 06:21
Matrix Spike Dup	: WG1510951-7	**MSD Analysis Date**	: 06/11/21 06:47

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
4-Methyl-2-pentanone	ND	10	11	110	10	11	110	0	59-130	20
2-Hexanone	ND	10	10	100	10	10	100	0	57-130	20
Bromochloromethane	ND	10	12	120	10	12	120	0	70-130	20
2,2-Dichloropropane	ND	10	8.3	83	10	8.3	83	0	63-133	20
1,2-Dibromoethane	ND	10	11	110	10	11	110	0	70-130	20
1,3-Dichloropropane	ND	10	9.9	99	10	9.7	97	2	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	11	110	10	11	110	0	64-130	20
Bromobenzene	ND	10	11	110	10	11	110	0	70-130	20
n-Butylbenzene	ND	10	9.3	93	10	9.1	91	2	53-136	20
sec-Butylbenzene	ND	10	9.6	96	10	9.3	93	3	70-130	20
tert-Butylbenzene	ND	10	9.3	93	10	9.2	92	1	70-130	20
o-Chlorotoluene	ND	10	9.5	95	10	9.4	94	1	70-130	20
p-Chlorotoluene	ND	10	9.3	93	10	9.5	95	2	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	12	120	10	11	110	9	41-144	20
Hexachlorobutadiene	ND	10	13	130	10	13	130	0	63-130	20
Isopropylbenzene	ND	10	10	100	10	10	100	0	70-130	20
p-Isopropyltoluene	ND	10	9.6	96	10	9.6	96	0	70-130	20
Naphthalene	ND	10	11	110	10	11	110	0	70-130	20
n-Propylbenzene	ND	10	9.4	94	10	9.2	92	2	69-130	20
1,2,3-Trichlorobenzene	ND	10	11	110	10	12	120	9	70-130	20
1,2,4-Trichlorobenzene	ND	10	11	110	10	12	120	9	70-130	20
1,3,5-Trimethylbenzene	ND	10	9.6	96	10	9.7	97	1	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Client Sample ID	: MW2S	**Matrix**	: WATER
Lab Sample ID	: L2129111-01	**Analysis Date**	: 06/10/21 23:00
Matrix Spike	: WG1510951-6	**MS Analysis Date**	: 06/11/21 06:21
Matrix Spike Dup	: WG1510951-7	**MSD Analysis Date**	: 06/11/21 06:47

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,2,4-Trimethylbenzene	ND	10	9.9	99	10	9.7	97	2	70-130	20
1,4-Dioxane	ND	500	520	104	500	550	110	6	56-162	20
p-Diethylbenzene	ND	10	9.4	94	10	9.5	95	1	70-130	20
p-Ethyltoluene	ND	10	9.5	95	10	9.4	94	1	70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	9.8	98	10	9.8	98	0	70-130	20
Ethyl ether	ND	10	9.9	99	10	9.7	97	2	59-134	20
trans-1,4-Dichloro-2-butene	ND	10	9.0	90	10	9.3	93	3	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab Sample ID	: WG1510951-5	**Lab File ID**	: V22210610N04
Instrument ID	: VOA122		
Matrix	: WATER	**Analysis Date**	: 06/10/21 21:17

Client Sample No.	Lab Sample ID	Analysis Date
WG1510951-3LCS	WG1510951-3	06/10/21 20:01
WG1510951-4LCSD	WG1510951-4	06/10/21 20:26
MW2S	L2129111-01	06/10/21 23:00
MW2S DUP	L2129111-02	06/10/21 23:25
MW2D	L2129111-03	06/10/21 23:52
MW3S	L2129111-04	06/11/21 00:18
MW7S	L2129111-05	06/11/21 00:44
MW8S	L2129111-06	06/11/21 01:10
FIELD BLANK	L2129111-07	06/11/21 01:36
TRIP BLANK	L2129111-08	06/11/21 02:02
MW2SMS	WG1510951-6	06/11/21 06:21
MW2SMSD	WG1510951-7	06/11/21 06:47

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Instrument ID	: VOA122	**Analysis Date**	: 04/20/21 14:41
Tune Standard	: WG1489010-1	**Tune File ID**	: V22210420NBF2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 60.0% of mass 95	52
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.4 (.5)1
174	Greater than 50.0 of mass 95	67.6
175	5.0 - 9.0% of mass 174	5.3 (7.9)1
176	95.0 - 101% of mass 174	67.6 (100)1
177	5.0 - 9.0% of mass 176	4.5 (6.7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDL0.19PP	R1424502-1	V22210420N04	04/20/21 16:13
STDL0.5PPB	R1424502-2	V22210420N05	04/20/21 16:38
STDL2PPB	R1424502-3	V22210420N08	04/20/21 17:52
STDL10PPB	R1424502-4	V22210420N09	04/20/21 18:17
STDL30PPB	R1424502-6	V22210420N10	04/20/21 18:41
STDL80PPB	R1424502-5	V22210420N11	04/20/21 19:06
STDL120PPB	R1424502-8	V22210420N12	04/20/21 19:31
STDL200PPB	R1424502-7	V22210420N13	04/20/21 19:56
ICV Quant Report	R1424502-9	V22210420N19	04/20/21 22:24

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Instrument ID	: VOA122	**Analysis Date**	: 06/10/21 19:39
Tune Standard	: WG1510951-1	**Tune File ID**	: V22210610NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	25.1
75	30.0 - 60.0% of mass 95	56.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	85
175	5.0 - 9.0% of mass 174	7.1 (8.4)1
176	95.0 - 101% of mass 174	82.4 (96.9)1
177	5.0 - 9.0% of mass 176	5.7 (6.9)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1510951-2CCAL	WG1510951-2	V22210610N01	06/10/21 20:01
WG1510951-3LCS	WG1510951-3	V22210610N01	06/10/21 20:01
WG1510951-4LCSD	WG1510951-4	V22210610N02	06/10/21 20:26
WG1510951-5BLANK	WG1510951-5	V22210610N04	06/10/21 21:17
MW2S	L2129111-01	V22210610N08	06/10/21 23:00
MW2S DUP	L2129111-02	V22210610N09	06/10/21 23:25
MW2D	L2129111-03	V22210610N10	06/10/21 23:52
MW3S	L2129111-04	V22210610N11	06/11/21 00:18
MW7S	L2129111-05	V22210610N12	06/11/21 00:44
MW8S	L2129111-06	V22210610N13	06/11/21 01:10
FIELD BLANK	L2129111-07	V22210610N14	06/11/21 01:36
TRIP BLANK	L2129111-08	V22210610N15	06/11/21 02:02
WG1510951-6MS	WG1510951-6	V22210610N25	06/11/21 06:21
WG1510951-7MSD	WG1510951-7	V22210610N26	06/11/21 06:47

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Instrument ID	: VOA122	**Analysis Date**	: 06/10/21 20:01:00
Sample No	: WG1510951-2	**Lab File ID**	: V22210610N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1510951-2	227181	5.66	171867	9.17	97920	11.96
Upper Limit	454362	6.16	343734	9.67	195840	12.46
Lower Limit	113591	5.16	85934	8.67	48960	11.46
Sample ID						
WG1510951-3 LCS	227181	5.66	171867	9.17	97920	11.96
WG1510951-4 LCSD	228918	5.67	176103	9.17	101227	11.96
WG1510951-5 BLANK	221459	5.67	180814	9.17	96947	11.96
MW2S	235153	5.67	182618	9.17	100328	11.96
MW2S DUP	240253	5.67	188644	9.17	102538	11.96
MW2D	237279	5.67	189957	9.17	102508	11.96
MW3S	228776	5.67	194859	9.17	102764	11.96
MW7S	228505	5.67	182295	9.17	102942	11.96
MW8S	238668	5.67	183005	9.17	111132	11.96
FIELD BLANK	284139	5.67	225358	9.17	122737	11.96
TRIP BLANK	268741	5.67	229445	9.17	120926	11.96
MW2S MS	285386	5.67	216690	9.17	122634	11.96
MW2S MSD	284380	5.67	217530	9.17	122130	11.96

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 06/19/18
Created By: Jason Hebert
File: PM5049-1
Page: 1

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.210	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.240	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.200	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.430	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.220	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,3,5-Trichlorobenzene	108-70-3	2	0.141	ug/l	70-130	20	70-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
Methyl Acetate	79-20-9	10	0.234	ug/l	70-130	20	70-130	20	20			
Ethyl Acetate	141-78-6	10	0.716	ug/l	70-130	20	70-130	20	20			
Isopropyl Ether	108-20-3	2	0.425	ug/l	70-130	20	70-130	20	20			
Cyclohexane	110-82-7	10	0.271	ug/l	70-130	20	70-130	20	20			
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.179	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Tertiary-Amyl Methyl Ether	994-05-8	2	0.278	ug/l	66-130	20	66-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	10	0.148	ug/l	70-130	20	70-130	20	20			
Methyl cyclohexane	108-87-2	10	0.396	ug/l	70-130	20	70-130	20	20			
1,4-Diethylbenzene	105-05-5	2	0.392	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.340	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 06/19/18
Created By: Jason Hebert
File: PM5047-1
Page: 1

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.140	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.230	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.140	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.560	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.81	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	2	0.173	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.650	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	100	100	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	4	0.950	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	10	1.21	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	2	0.213	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	10	0.544	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.128	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	2	0.176	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	100	35.1	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	4	0.693	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 06/19/18
Created By: Jason Hebert
File: PM5048-1
Page: 1

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	250	115	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	50	7.25	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	75	7.00	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	50	11.5	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	50	6.25	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	50	7.00	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	50	13.4	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	25	9.80	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	25	6.35	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	200	34.8	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	50	12.9	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	25	8.35	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	25	5.45	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	50	13.7	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	25	7.90	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	25	7.95	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	200	12.3	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	25	8.30	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	25	8.30	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	50	27.2	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	50	7.05	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	200	46.6	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	100	29.1	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	50	16.8	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	100	22.6	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	50	11.9	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	75	6.85	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	25	6.85	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	100	7.20	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	100	7.40	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	100	8.55	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	100	10.1	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	100	28.0	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	50	14.6	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	50	8.75	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
Dibromomethane	74-95-3	100	11.9	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	500	11.3	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	100	6.35	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	50	9.80	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	500	45.8	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	500	241	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	500	228	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	500	111	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	500	108	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	500	64.0	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	500	59.0	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	500	79.0	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	200	57.5	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	100	10.3	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	200	79.5	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	100	10.1	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	50	14.0	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	100	8.35	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	25	6.60	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	100	7.25	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	50	8.35	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	50	7.30	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	100	5.90	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	100	8.65	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	100	9.55	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	100	5.40	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	150	49.9	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	200	8.45	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	50	5.45	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	50	5.45	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	200	32.5	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	50	8.55	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	100	16.1	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	100	13.6	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	100	9.65	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	100	16.7	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	250	71.0	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	5000	5000	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	100	17.1	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	200	47.5	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	500	60.5	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	100	10.7	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	500	27.2	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	100	6.40	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	100	8.80	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	5000	1755	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	200	34.7	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-01	**Date Collected**	: 06/01/21 10:05
Client ID	: MW2S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/10/21 23:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N08	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	4.5	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	2.8	1.0	0.07	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-01	**Date Collected**	: 06/01/21 10:05
Client ID	: MW2S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/10/21 23:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N08	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	53	2.5	0.70	
79-01-6	Trichloroethene	6.8	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	19	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	72	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-01	**Date Collected**	: 06/01/21 10:05
Client ID	: MW2S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/10/21 23:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N08	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-01	**Date Collected**	: 06/01/21 10:05
Client ID	: MW2S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/10/21 23:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N08	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-02	**Date Collected**	: 06/01/21 10:10
Client ID	: MW2S DUP	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/10/21 23:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N09	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	5.1	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	2.9	1.0	0.07	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-02	**Date Collected**	: 06/01/21 10:10
Client ID	: MW2S DUP	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/10/21 23:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N09	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	55	2.5	0.70	
79-01-6	Trichloroethene	7.5	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	19	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	74	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-02	**Date Collected**	: 06/01/21 10:10
Client ID	: MW2S DUP	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/10/21 23:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N09	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-02	**Date Collected**	: 06/01/21 10:10
Client ID	: MW2S DUP	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/10/21 23:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N09	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-03	**Date Collected**	: 06/01/21 11:10
Client ID	: MW2D	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/10/21 23:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.97	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	9.3	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-03	**Date Collected**	: 06/01/21 11:10
Client ID	: MW2D	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/10/21 23:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	1.0	2.5	0.70	J
79-01-6	Trichloroethene	3.6	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.0	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	2.0	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-03	**Date Collected**	: 06/01/21 11:10
Client ID	: MW2D	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/10/21 23:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-03	**Date Collected**	: 06/01/21 11:10
Client ID	: MW2D	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/10/21 23:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-04	**Date Collected**	: 06/01/21 12:05
Client ID	: MW3S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 00:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N11	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	1.2	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	9.6	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-04	**Date Collected**	: 06/01/21 12:05
Client ID	: MW3S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 00:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N11	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	0.93	2.5	0.70	J
79-01-6	Trichloroethene	3.4	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	0.88	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	1.8	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-04	**Date Collected**	: 06/01/21 12:05
Client ID	: MW3S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 00:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N11	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-04	**Date Collected**	: 06/01/21 12:05
Client ID	: MW3S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 00:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N11	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-05	**Date Collected**	: 06/01/21 13:40
Client ID	: MW7S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 00:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N12	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-05	**Date Collected**	: 06/01/21 13:40
Client ID	: MW7S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 00:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N12	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.41	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-05	**Date Collected**	: 06/01/21 13:40
Client ID	: MW7S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 00:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N12	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	1.3	2.5	0.70	J
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	0.88	2.5	0.70	J
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-05	**Date Collected**	: 06/01/21 13:40
Client ID	: MW7S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 00:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N12	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-06	**Date Collected**	: 06/01/21 14:45
Client ID	: MW8S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 01:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N13	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.34	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	7.8	2.5	0.70	
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-06	**Date Collected**	: 06/01/21 14:45
Client ID	: MW8S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 01:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N13	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.83	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-06	**Date Collected**	: 06/01/21 14:45
Client ID	: MW8S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 01:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N13	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	2.5	2.5	0.70	
135-98-8	sec-Butylbenzene	3.9	2.5	0.70	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	10	2.5	0.70	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	160	2.5	0.70	
103-65-1	n-Propylbenzene	12	2.5	0.70	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	2.3	2.0	0.70	
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	15	2.0	0.54	
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-06	**Date Collected**	: 06/01/21 14:45
Client ID	: MW8S	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 01:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N13	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-07	**Date Collected**	: 06/01/21 16:15
Client ID	: FIELD BLANK	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 01:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N14	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	1.0	2.5	0.70	J
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-07	**Date Collected**	: 06/01/21 16:15
Client ID	: FIELD BLANK	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 01:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N14	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-07	**Date Collected**	: 06/01/21 16:15
Client ID	: FIELD BLANK	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 01:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N14	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	1.3	2.5	0.70	J
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-07	**Date Collected**	: 06/01/21 16:15
Client ID	: FIELD BLANK	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 01:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N14	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-08	**Date Collected**	: 06/01/21 00:00
Client ID	: TRIP BLANK	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 02:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N15	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-08	**Date Collected**	: 06/01/21 00:00
Client ID	: TRIP BLANK	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 02:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N15	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-08	**Date Collected**	: 06/01/21 00:00
Client ID	: TRIP BLANK	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 02:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N15	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: L2129111-08	**Date Collected**	: 06/01/21 00:00
Client ID	: TRIP BLANK	**Date Received**	: 06/01/21
Sample Location	: 21-21 31ST STREET, QUEENS, NY	**Date Analyzed**	: 06/11/21 02:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N15	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: WG1510951-5	**Date Collected**	: NA
Client ID	: WG1510951-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/10/21 21:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N04	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: WG1510951-5	**Date Collected**	: NA
Client ID	: WG1510951-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/10/21 21:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N04	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2129111
Project Name	: 21-21 31ST STREET	Project Number	: 21-21 31ST STREET
Lab ID	: WG1510951-5	Date Collected	: NA
Client ID	: WG1510951-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/10/21 21:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V22210610N04	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Lab ID	: WG1510951-5	**Date Collected**	: NA
Client ID	: WG1510951-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/10/21 21:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V22210610N04	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N08.D
Acq On : 10 Jun 2021 11:00 pm
Operator : VOA122:NLK
Sample : L2129111-01,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 11 11:53:28 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.667	96	235153	10.000 ug/L	0.00
Standard Area 1 = 227181			Recovery = 103.51%		
62) Chlorobenzene-d5	9.170	117	182618	10.000 ug/L	0.00
Standard Area 1 = 171867			Recovery = 106.26%		
83) 1,4-Dichlorobenzene-d4	11.956	152	100328	10.000 ug/L	0.00
Standard Area 1 = 97920			Recovery = 102.46%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	69397	11.192 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.92%		
46) 1,2-Dichloroethane-d4	5.379	65	85728	11.684 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.84%		
63) Toluene-d8	7.341	98	223369	9.654 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.54%		
87) 4-Bromofluorobenzene	10.708	95	87119	8.992 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.92%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	1.699	62	15257	2.794 ug/L	99
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.710	76	544	N.D.	
15) Methylene chloride	3.219	84	74	N.D.	
17) Acetone	3.267	43	871	Below Cal #	60
18) trans-1,2-Dichloroethene	3.365	96	224646	52.740 ug/L	78
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	4.432	96	92693	19.139 ug/L #	76
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	4.689	83	2948	0.358 ug/L	97

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N08.D
Acq On : 10 Jun 2021 11:00 pm
Operator : VOA122:NLK
Sample : L2129111-01,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 11 11:53:28 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
42) 1,1-Dichloropropene	0.000		0	N.D.		
44) Benzene	5.246	78	1845	0.107	ug/L #	83
47) 1,2-Dichloroethane	0.000		0	N.D.		
51) Trichloroethene	5.837	95	31291	6.824	ug/L	93
53) Dibromomethane	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	7.400	92	2374	0.210	ug/L	97
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	7.842	166	20733	4.541	ug/L	93
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
72) Chlorodibromomethane	0.000		0	N.D.		
73) 1,3-Dichloropropane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.	d	
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.241	91	3245	0.147	ug/L	94
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
80) p/m Xylene	9.431	106	2979	0.344	ug/L	77
81) o Xylene	9.979	106	2976	0.364	ug/L	88
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	10.375	105	3765	0.158	ug/L	85
88) Bromobenzene	0.000		0	N.D.		
89) n-Propylbenzene	10.883	91	1376	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
92) 4-Ethyltoluene	11.017	105	834	N.D.		
93) 2-Chlorotoluene	10.883	91	1376	N.D.		
94) 1,3,5-Trimethylbenzene	11.120	105	268	N.D.		
95) 1,2,3-Trichloropropane	0.000		0	N.D.		
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
97) 4-Chlorotoluene	11.350	91	1007	N.D.		
98) tert-Butylbenzene	11.462	119	779	N.D.		

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N08.D
Acq On : 10 Jun 2021 11:00 pm
Operator : VOA122:NLK
Sample : L2129111-01,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 11 11:53:28 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.545	105	1131	N.D.		
102) sec-Butylbenzene	11.657	105	2128	0.093	ug/L	94
103) p-Isopropyltoluene	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	0.000		0	N.D. d		
105) 1,4-Dichlorobenzene	11.970	146	3472	0.321	ug/L #	66
106) p-Diethylbenzene	12.241	119	165	N.D.		
107) n-Butylbenzene	12.262	91	84	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
109) 1,2,4,5-Tetramethylben...	13.007	119	798	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112) Hexachlorobutadiene	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
114) Naphthalene	14.128	128	8094	0.627	ug/L	100
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

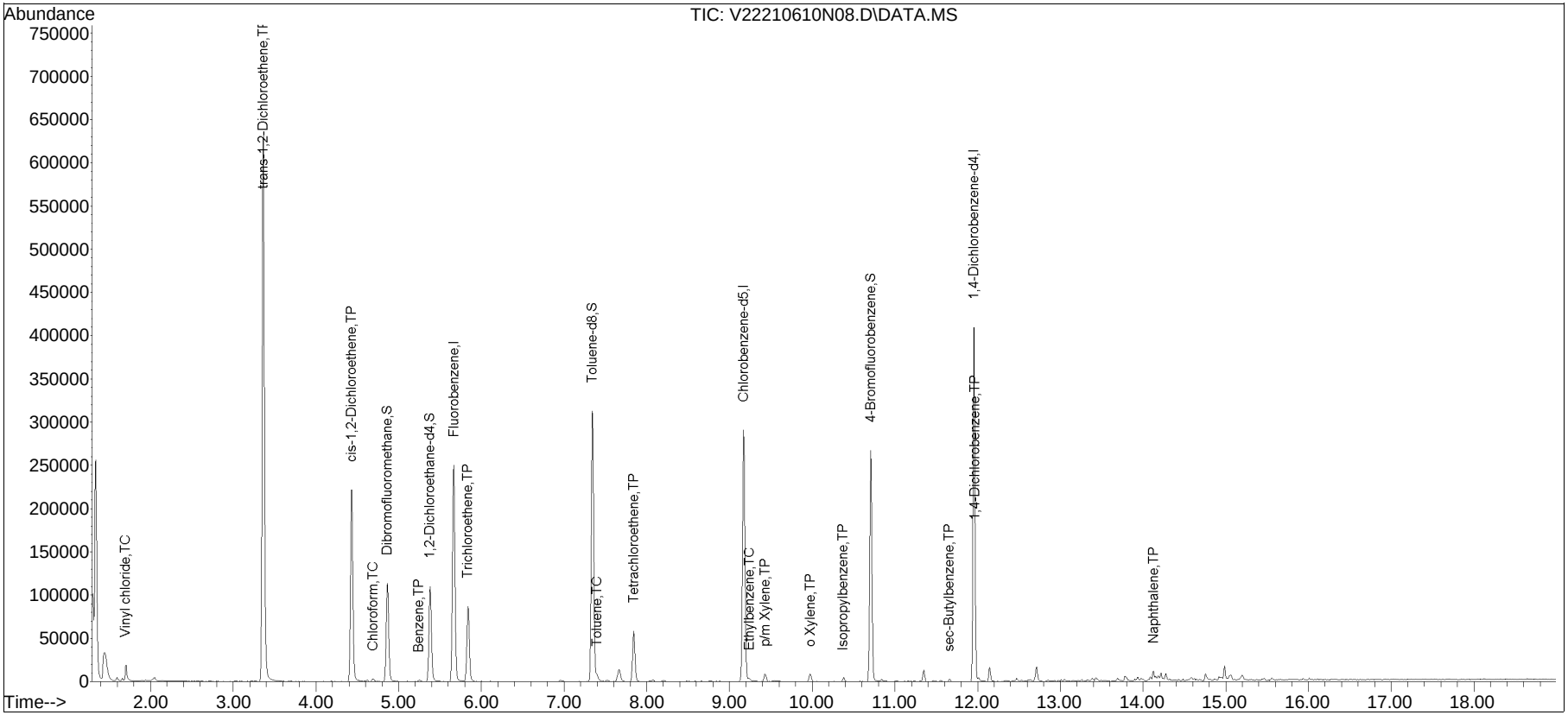
(#) = qualifier out of range (m) = manual integration (+) = signals summed

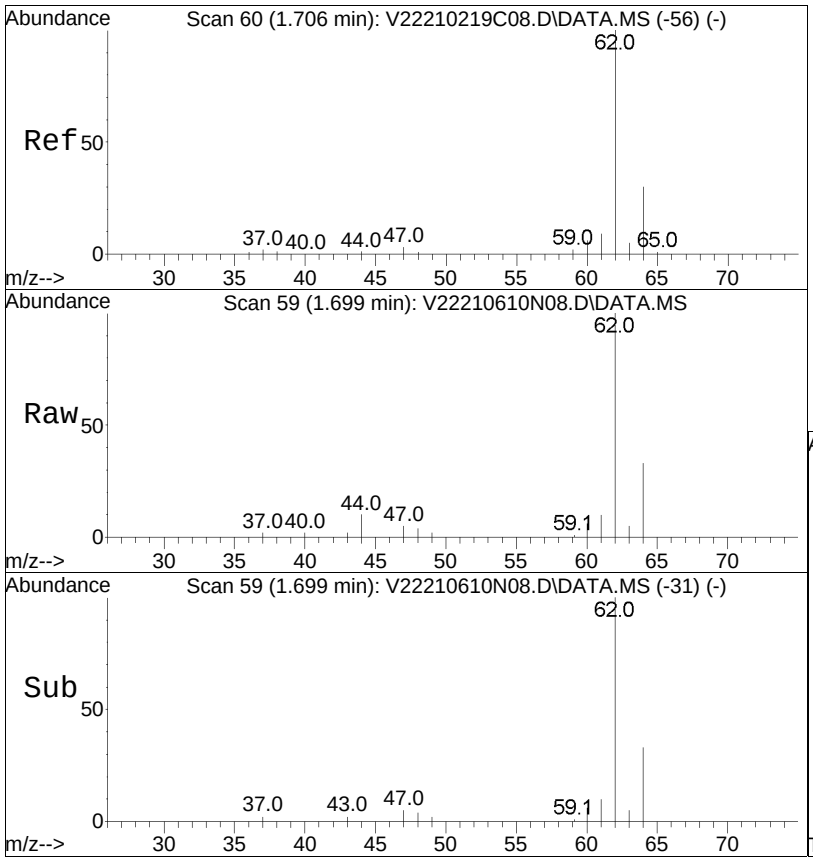
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N08.D
Acq On : 10 Jun 2021 11:00 pm
Operator : VOA122:NLK
Sample : L2129111-01,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 11 11:53:28 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10610N\V22210610N01.D•

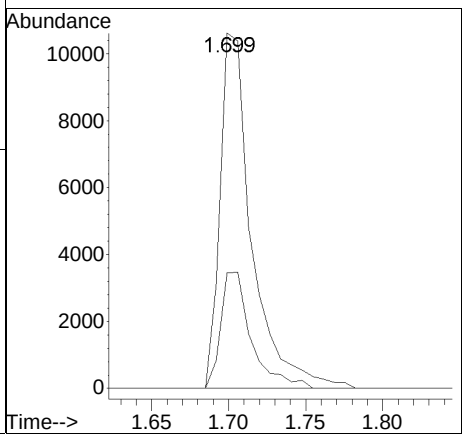


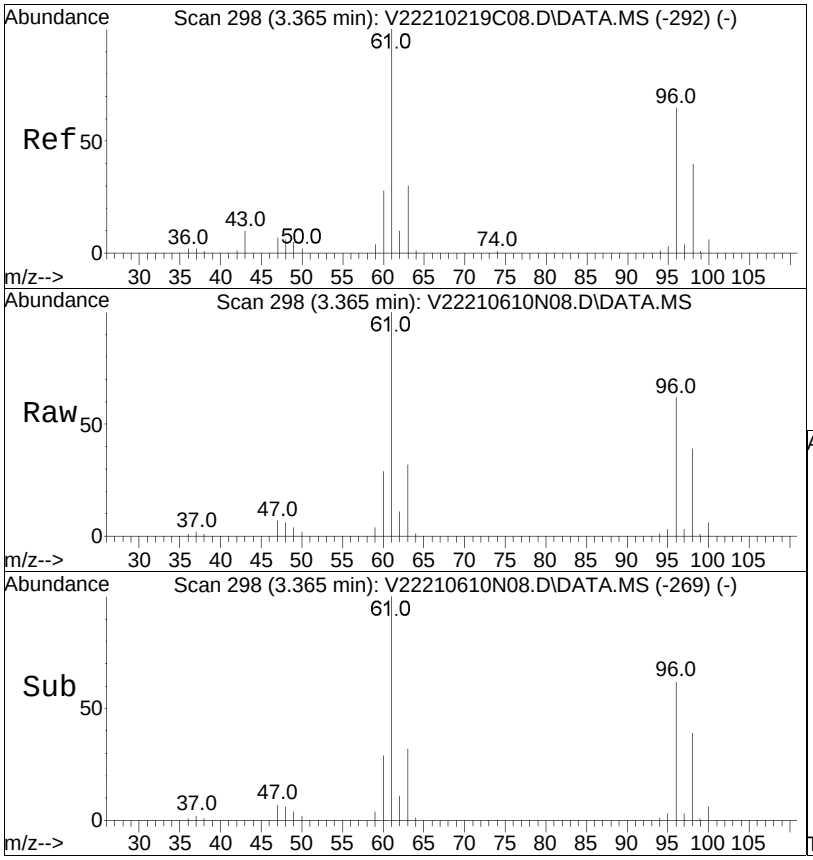


#4
Vinyl chloride
Concen: 2.79 ug/L
RT: 1.699 min Scan# 59
Delta R.T. -0.007 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion: 62 Resp: 15257

Ion	Ratio	Lower	Upper
62	100		
64	31.6	12.0	52.0

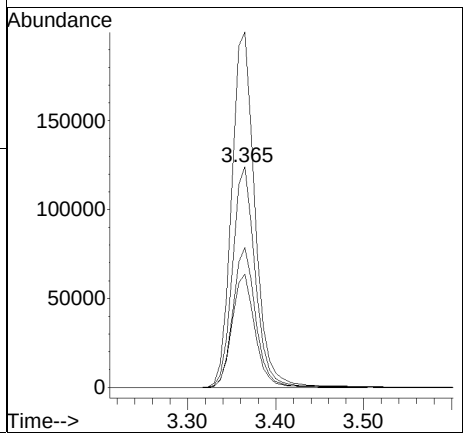


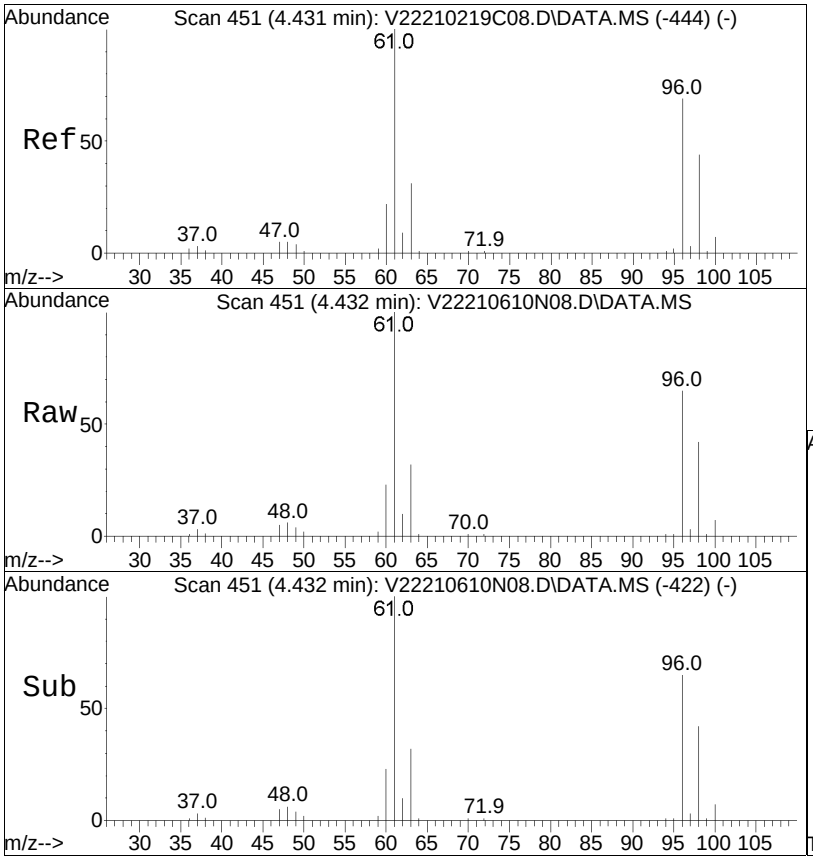


#18
trans-1,2-Dichloroethene
Concen: 52.74 ug/L
RT: 3.365 min Scan# 298
Delta R.T. -0.000 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion: 96 Resp: 224646

Ion	Ratio	Lower	Upper
96	100		
61	164.4	81.6	169.6
98	62.9	41.8	86.8
63	51.7	26.3	54.7

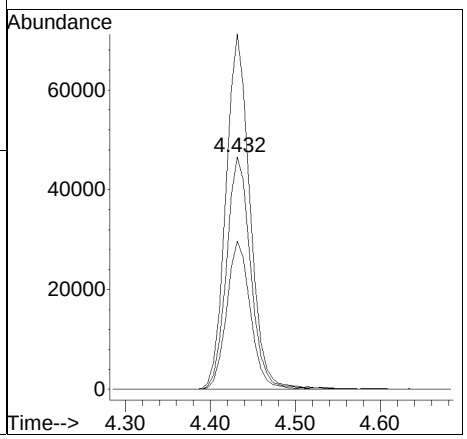


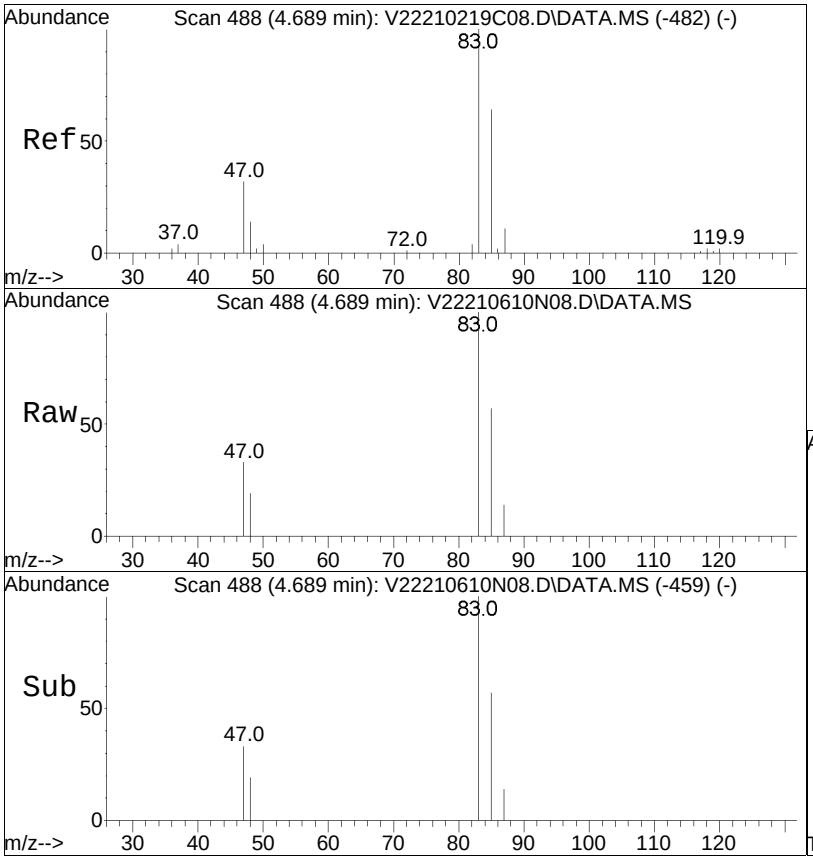


#30
cis-1,2-Dichloroethene
Concen: 19.14 ug/L
RT: 4.432 min Scan# 451
Delta R.T. -0.000 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion: 96 Resp: 92693

Ion	Ratio	Lower	Upper
96	100		
61	151.9	90.3	135.5#
98	62.6	50.8	76.2

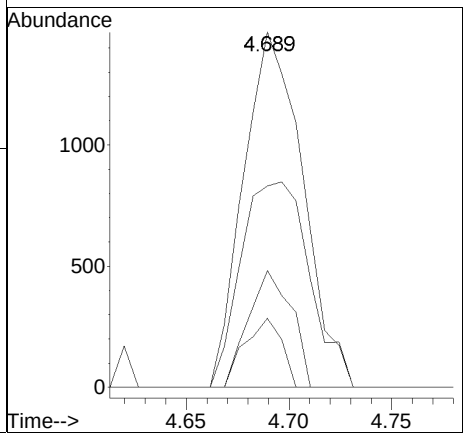


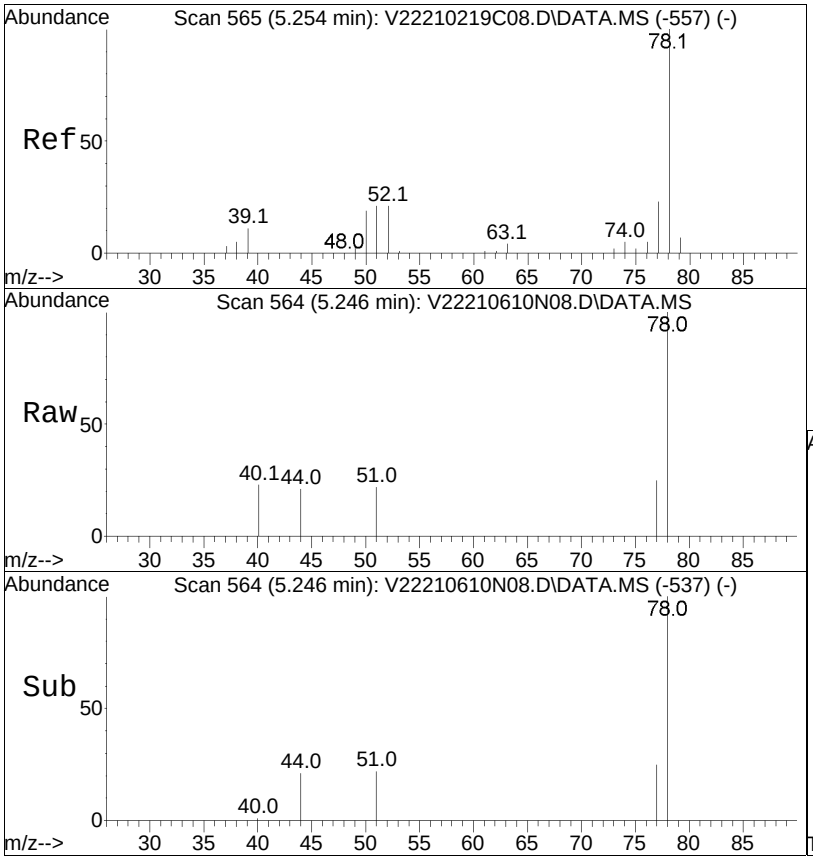


#34
Chloroform
Concen: 0.36 ug/L
RT: 4.689 min Scan# 488
Delta R.T. 0.000 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion: 83 Resp: 2948

Ion	Ratio	Lower	Upper
83	100		
85	66.9	42.4	88.2
47	23.9	14.0	29.0
48	12.1	6.9	14.3

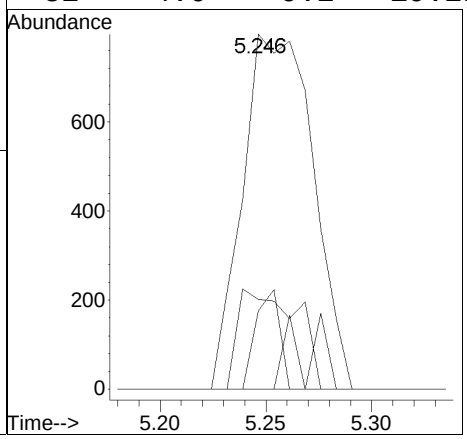


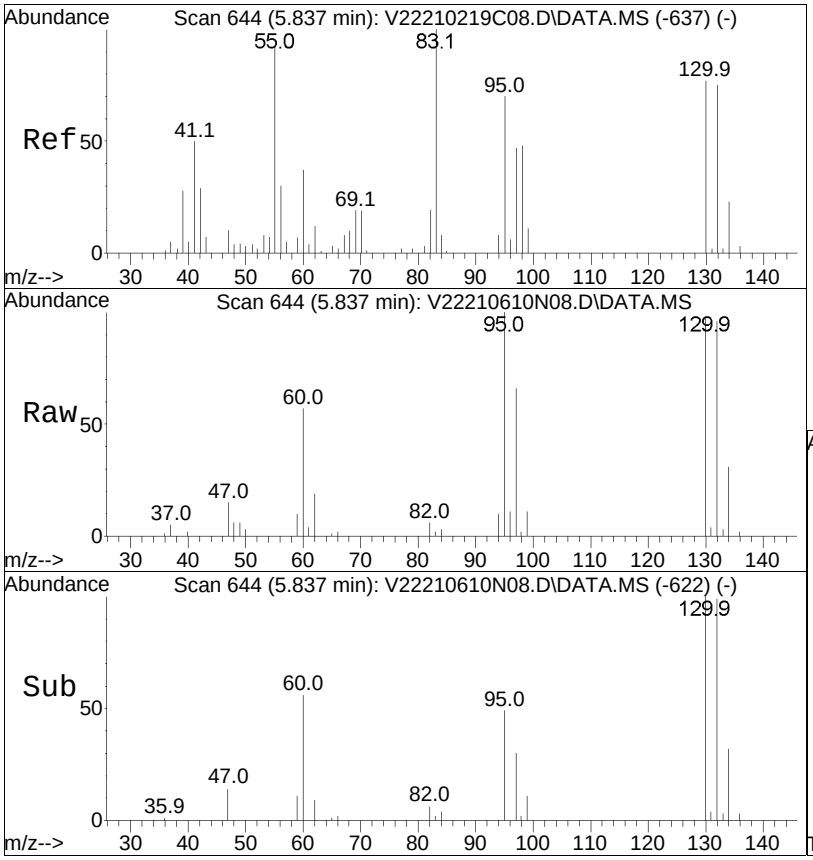


#44
Benzene
Concen: 0.11 ug/L
RT: 5.246 min Scan# 564
Delta R.T. 0.000 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion: 78 Resp: 1845

Ion	Ratio	Lower	Upper
78	100		
77	23.5	15.4	32.0
51	0.0	9.8	20.4#
52	4.0	9.2	19.2#

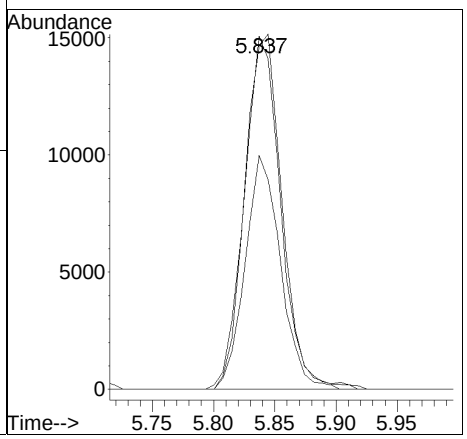


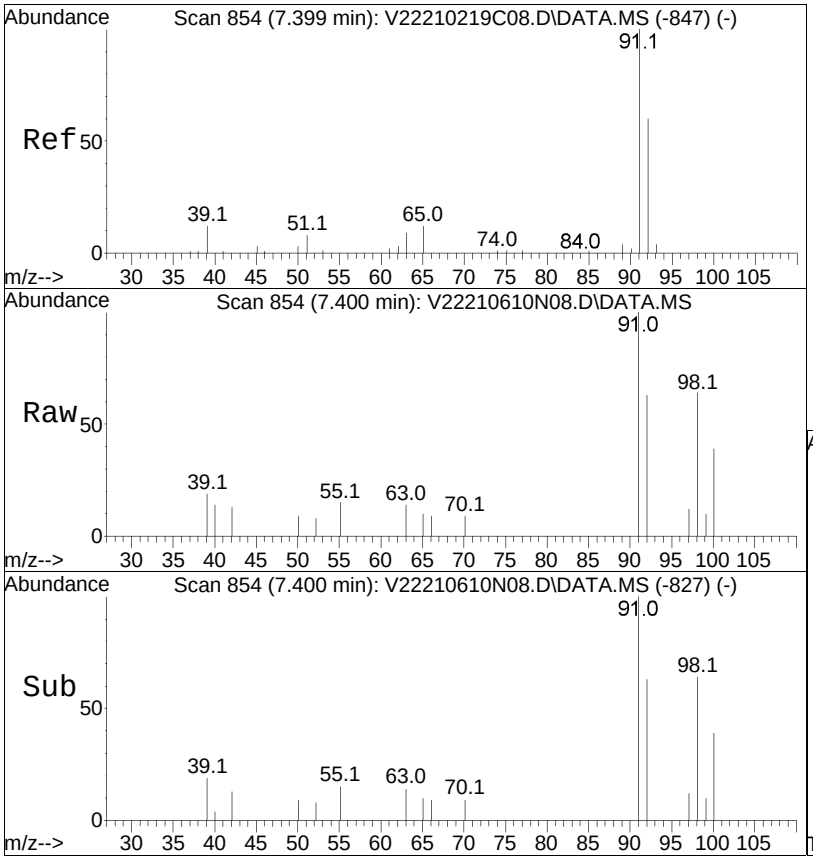


#51
Trichloroethene
Concen: 6.82 ug/L
RT: 5.837 min Scan# 644
Delta R.T. 0.000 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion: 95 Resp: 31291

Ion	Ratio	Lower	Upper
95	100		
97	64.4	55.0	82.4
130	102.7	89.2	133.8

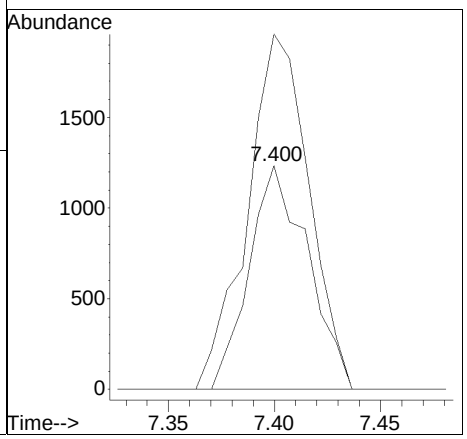


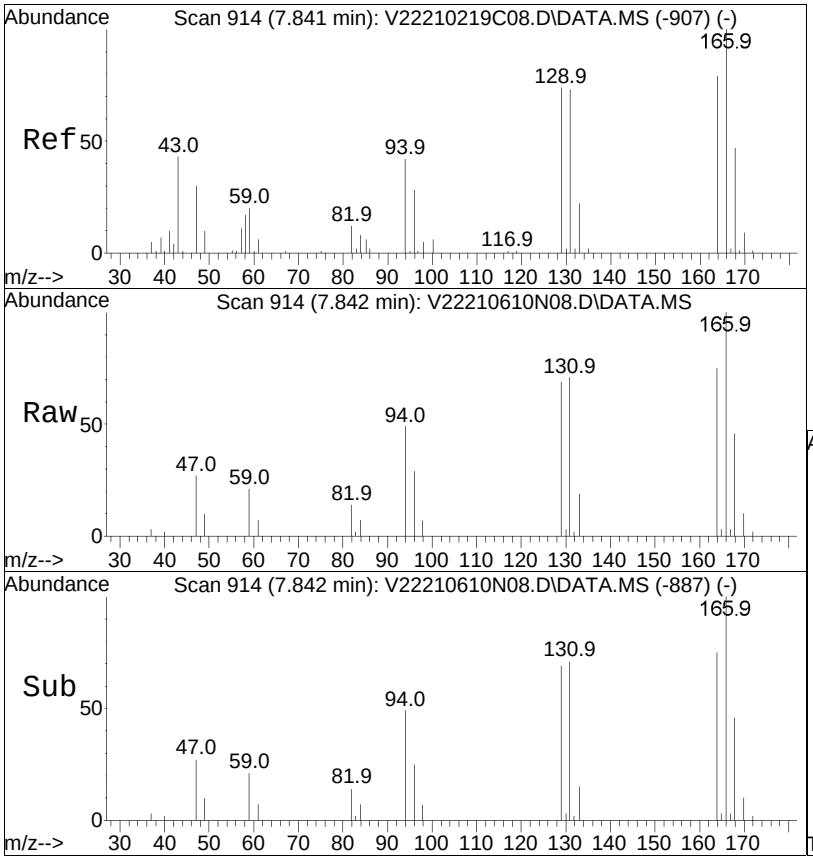


#64
Toluene
Concen: 0.21 ug/L
RT: 7.400 min Scan# 854
Delta R.T. -0.000 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion: 92 Resp: 2374

Ion	Ratio	Lower	Upper
92	100		
91	167.0	137.0	205.6

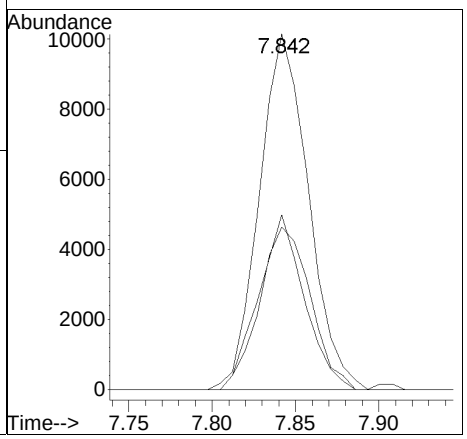


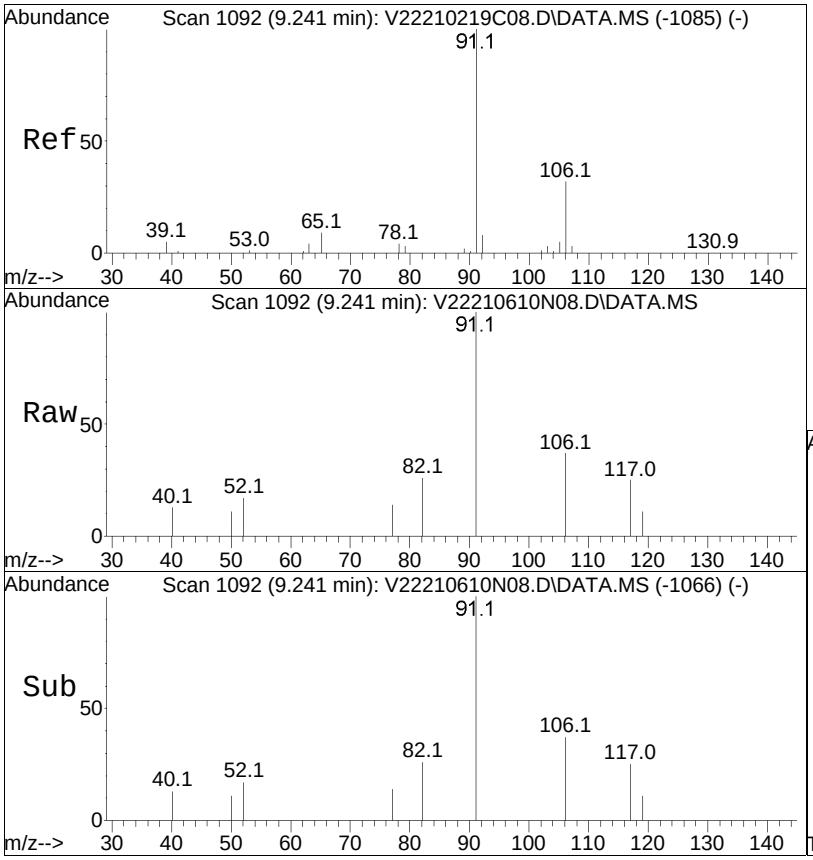


#66
Tetrachloroethene
Concen: 4.54 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion:166 Resp: 20733

Ion	Ratio	Lower	Upper
166	100		
168	47.4	27.8	67.8
94	45.6	16.7	56.7

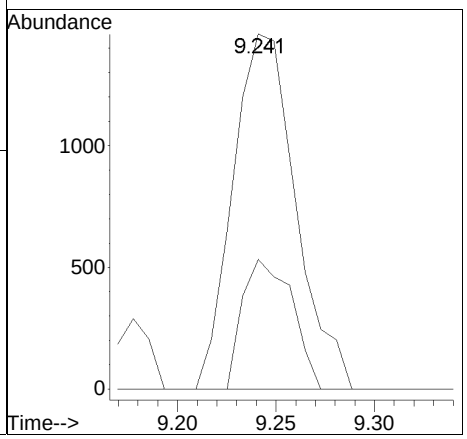


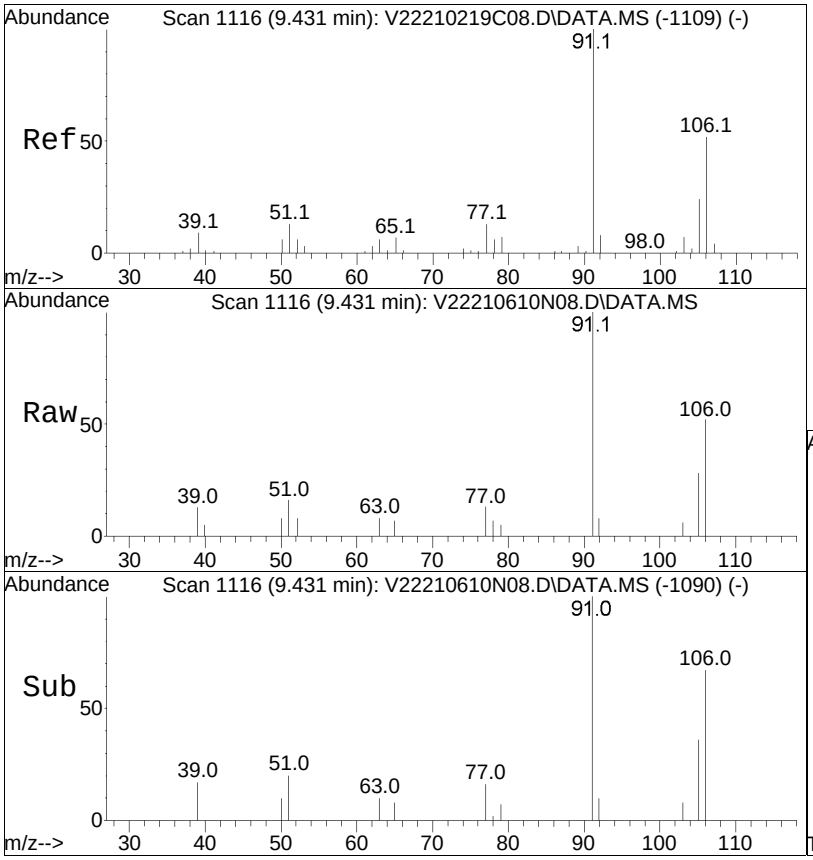


#78
Ethylbenzene
Concen: 0.15 ug/L
RT: 9.241 min Scan# 1092
Delta R.T. 0.008 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion: 91 Resp: 3245

Ion	Ratio	Lower	Upper
91	100		
106	28.8	25.8	38.6

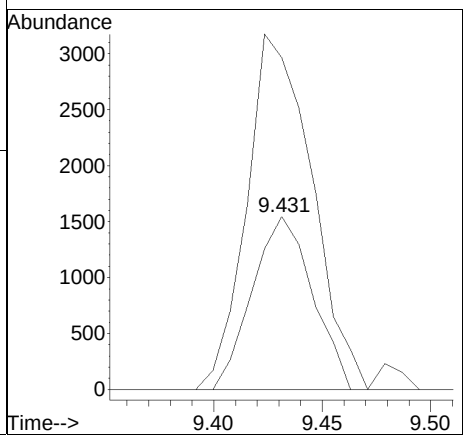


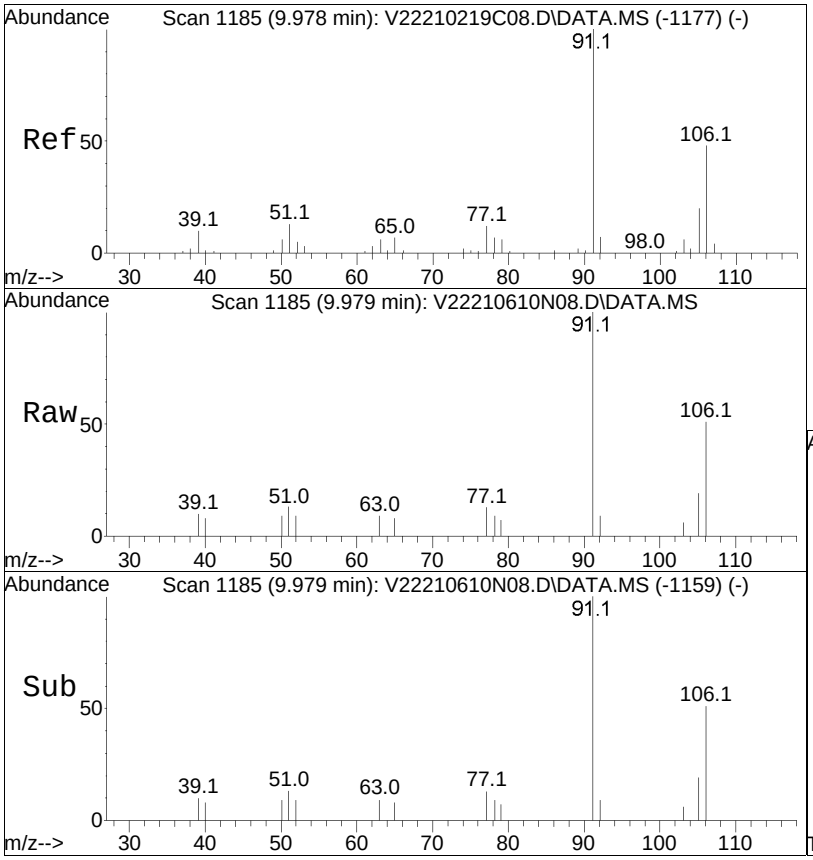


#80
p/m Xylene
Concen: 0.34 ug/L
RT: 9.431 min Scan# 1116
Delta R.T. 0.008 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion:106 Resp: 2979

Ion	Ratio	Lower	Upper
106	100		
91	228.6	156.0	234.0

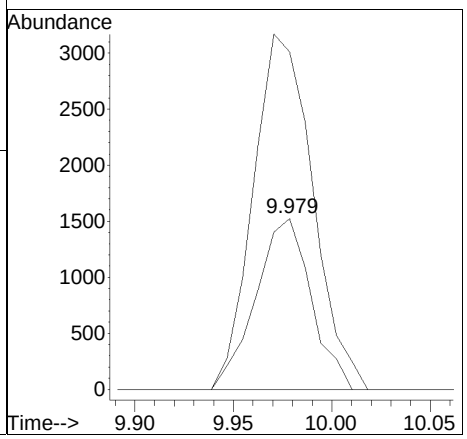


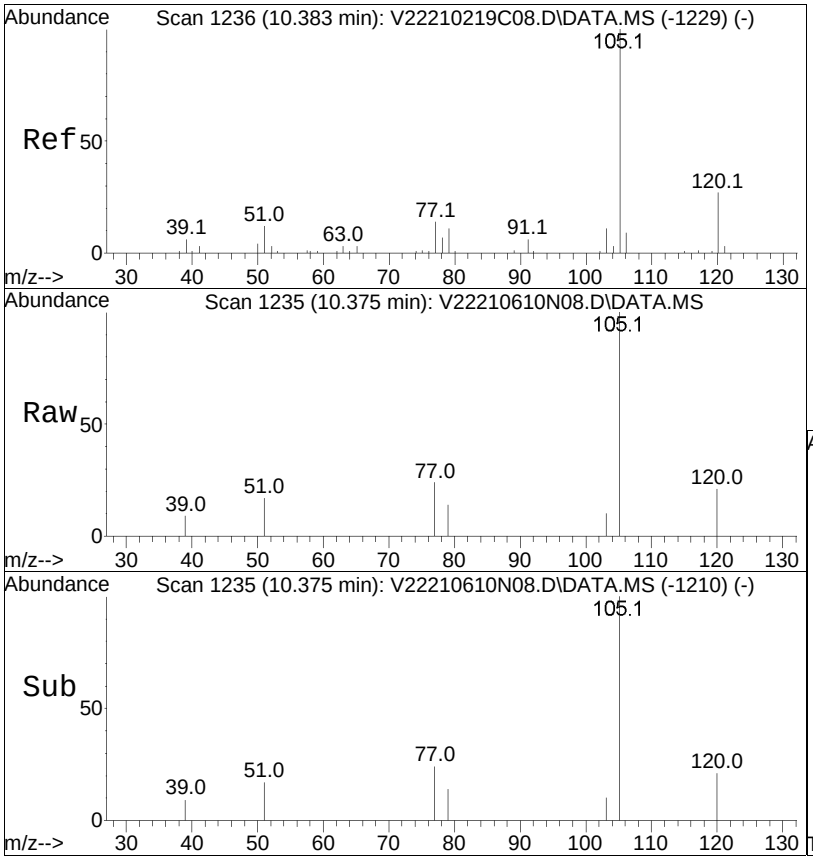


#81
o Xylene
Concen: 0.36 ug/L
RT: 9.979 min Scan# 1185
Delta R.T. 0.008 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion:106 Resp: 2976

Ion	Ratio	Lower	Upper
106	100		
91	223.3	164.0	246.0

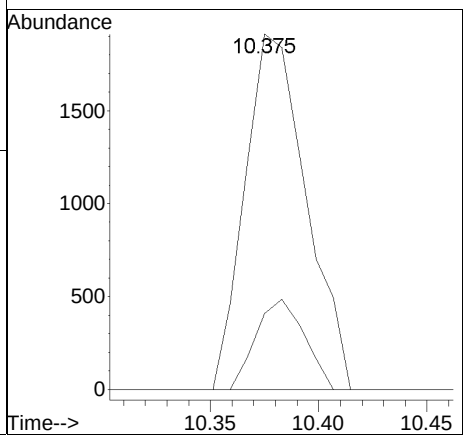


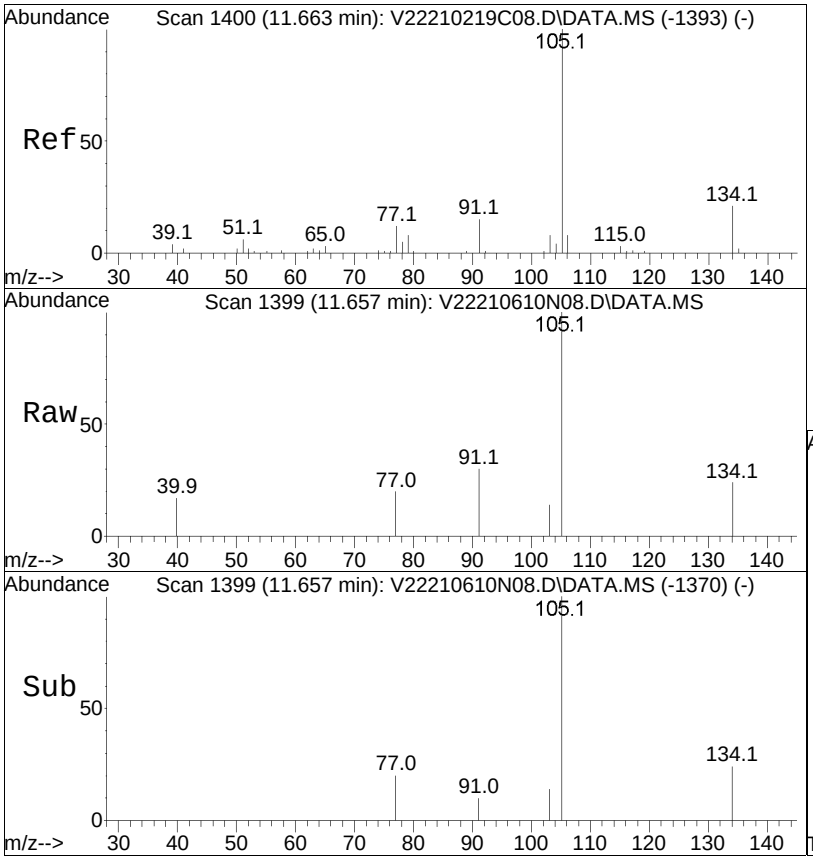


#86
Isopropylbenzene
Concen: 0.16 ug/L
RT: 10.375 min Scan# 1235
Delta R.T. 0.000 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion:105 Resp: 3765

Ion	Ratio	Lower	Upper
105	100		
120	20.1	7.7	47.7

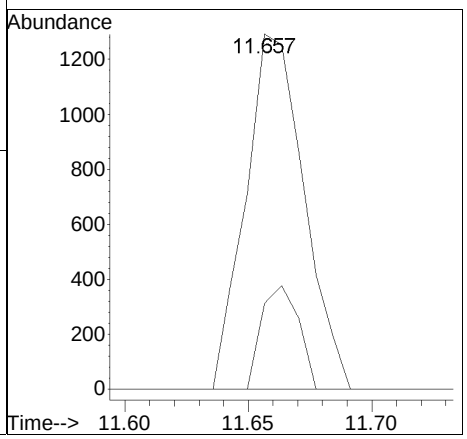


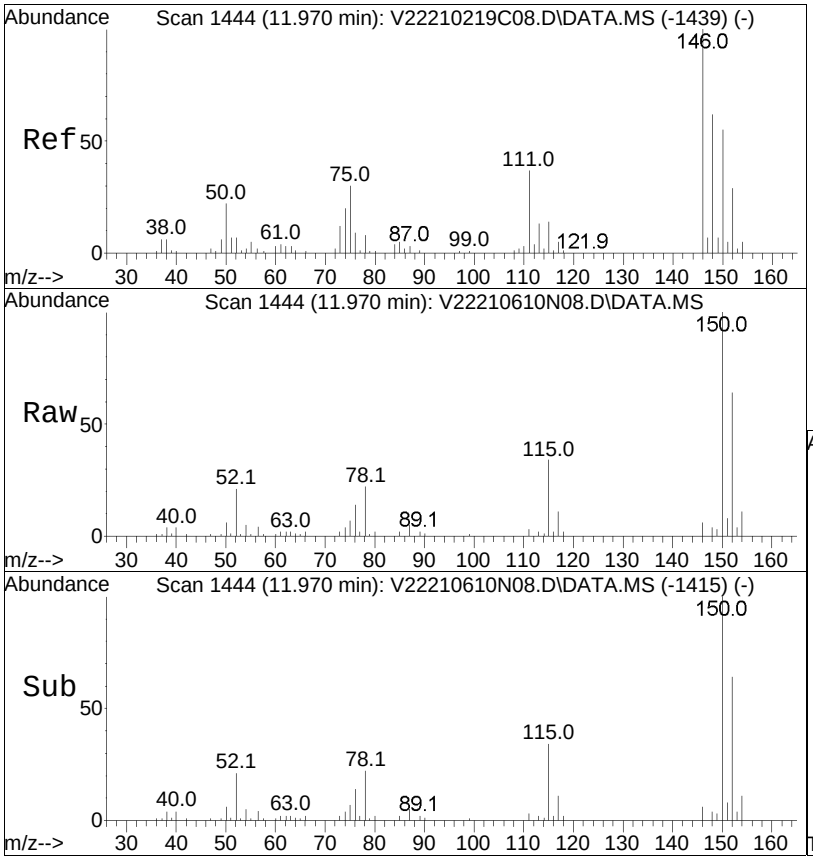


#102
sec-Butylbenzene
Concen: 0.09 ug/L
RT: 11.657 min Scan# 1399
Delta R.T. -0.000 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion:105 Resp: 2128

Ion	Ratio	Lower	Upper
105	100		
134	18.6	13.9	28.9

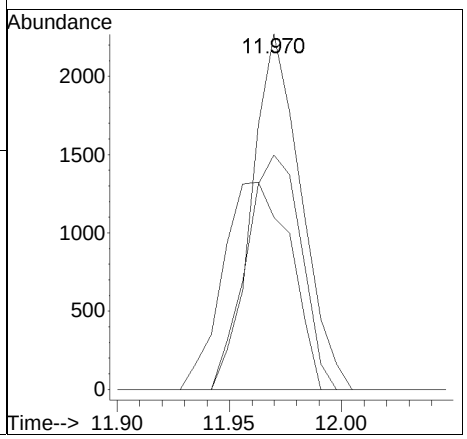


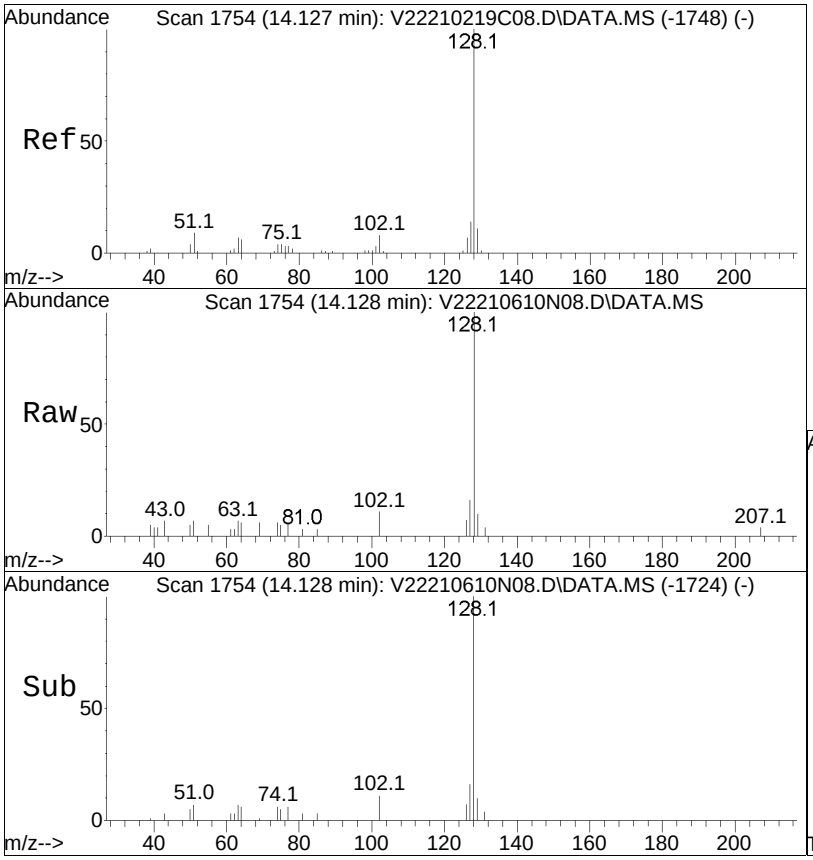


#105
1,4-Dichlorobenzene
Concen: 0.32 ug/L
RT: 11.970 min Scan# 1444
Delta R.T. -0.000 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion:146 Resp: 3472

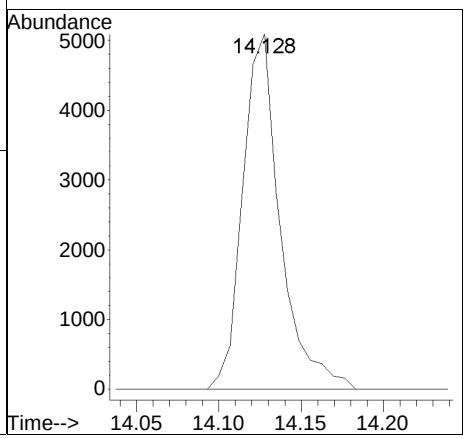
Ion	Ratio	Lower	Upper
146	100		
111	79.7	28.9	43.3#
148	73.6	51.4	77.2





#114
Naphthalene
Concen: 0.63 ug/L
RT: 14.128 min Scan# 1754
Delta R.T. 0.007 min
Lab File: V22210610N08.D
Acq: 10 Jun 2021 11:00 pm

Tgt Ion:128 Resp: 8094



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2Q	Method	: V122_210420N_8260.m
Data File	: V22210610N08.D	Operator	: VOA122:NLK
Date Inj'd	: 6/10/2021 11:00 pm	Instrument	: VOA122
Sample	: L2129111-01,31,10,10,,A,PR	Quant Date	: 6/11/2021 11:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N09.D
Acq On : 10 Jun 2021 11:25 pm
Operator : VOA122:NLK
Sample : L2129111-02,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 11 11:54:01 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	240253	10.000	ug/L	0.00
Standard Area 1 = 227181			Recovery = 105.75%			
62) Chlorobenzene-d5	9.169	117	188644	10.000	ug/L	0.00
Standard Area 1 = 171867			Recovery = 109.76%			
83) 1,4-Dichlorobenzene-d4	11.956	152	102538	10.000	ug/L	0.00
Standard Area 1 = 97920			Recovery = 104.72%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	70857	11.185	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.85%			
46) 1,2-Dichloroethane-d4	5.379	65	89547	11.945	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 119.45%			
63) Toluene-d8	7.341	98	231302	9.677	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.77%			
87) 4-Bromofluorobenzene	10.708	95	90518	9.141	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.41%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	1.699	62	16184	2.901	ug/L	99
5) Bromomethane	1.985	94	70	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.717	76	610	N.D.		
15) Methylene chloride	3.218	84	184	N.D.		
17) Acetone	3.274	43	716	Below Cal #		46
18) trans-1,2-Dichloroethene	3.365	96	238147	54.722	ug/L	77
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.431	96	92360	18.666	ug/L #	73
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	4.689	83	3195	0.380	ug/L	93

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N09.D
Acq On : 10 Jun 2021 11:25 pm
Operator : VOA122:NLK
Sample : L2129111-02,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 11 11:54:01 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.			
39) 1,1,1-Trichloroethane	0.000		0	N.D.			
41) 2-Butanone	0.000		0	N.D.			
42) 1,1-Dichloropropene	0.000		0	N.D.			
44) Benzene	5.254	78	1400	0.079	ug/L	#	73
47) 1,2-Dichloroethane	0.000		0	N.D.			
51) Trichloroethene	5.837	95	34954	7.461	ug/L		91
53) Dibromomethane	0.000		0	N.D.			
54) 1,2-Dichloropropane	0.000		0	N.D.			
57) Bromodichloromethane	0.000		0	N.D.			
60) 1,4-Dioxane	0.000		0	N.D.			
61) cis-1,3-Dichloropropene	0.000		0	N.D.			
64) Toluene	7.400	92	2056	0.176	ug/L		84
65) 4-Methyl-2-pentanone	0.000		0	N.D.			
66) Tetrachloroethene	7.842	166	24046	5.098	ug/L		93
68) trans-1,3-Dichloropropene	0.000		0	N.D.			
71) 1,1,2-Trichloroethane	0.000		0	N.D.	d		
72) Chlorodibromomethane	0.000		0	N.D.			
73) 1,3-Dichloropropane	0.000		0	N.D.			
74) 1,2-Dibromoethane	0.000		0	N.D.			
76) 2-Hexanone	0.000		0	N.D.	d		
77) Chlorobenzene	0.000		0	N.D.			
78) Ethylbenzene	9.249	91	2890	0.126	ug/L		93
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
80) p/m Xylene	9.431	106	2372	0.265	ug/L		76
81) o Xylene	9.978	106	3179	0.376	ug/L		81
82) Styrene	0.000		0	N.D.			
84) Bromoform	0.000		0	N.D.			
86) Isopropylbenzene	10.375	105	4467	0.183	ug/L		90
88) Bromobenzene	0.000		0	N.D.			
89) n-Propylbenzene	10.874	91	87	N.D.			
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
92) 4-Ethyltoluene	11.009	105	196	N.D.			
93) 2-Chlorotoluene	10.898	91	94	N.D.			
94) 1,3,5-Trimethylbenzene	11.009	105	196	N.D.			
95) 1,2,3-Trichloropropane	0.000		0	N.D.			
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
97) 4-Chlorotoluene	0.000		0	N.D.	d		
98) tert-Butylbenzene	11.461	119	711	N.D.			

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N09.D
Acq On : 10 Jun 2021 11:25 pm
Operator : VOA122:NLK
Sample : L2129111-02,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 11 11:54:01 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.559	105	398	N.D.		
102) sec-Butylbenzene	11.656	105	2850	0.122	ug/L	92
103) p-Isopropyltoluene	11.823	119	64	N.D.		
104) 1,3-Dichlorobenzene	0.000		0	N.D. d		
105) 1,4-Dichlorobenzene	11.970	146	2151	0.195	ug/L #	52
106) p-Diethylbenzene	12.137	119	499	N.D.		
107) n-Butylbenzene	12.144	91	1303	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
109) 1,2,4,5-Tetramethylben...	12.951	119	441	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112) Hexachlorobutadiene	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
114) Naphthalene	14.128	128	2637	0.200	ug/L	100
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

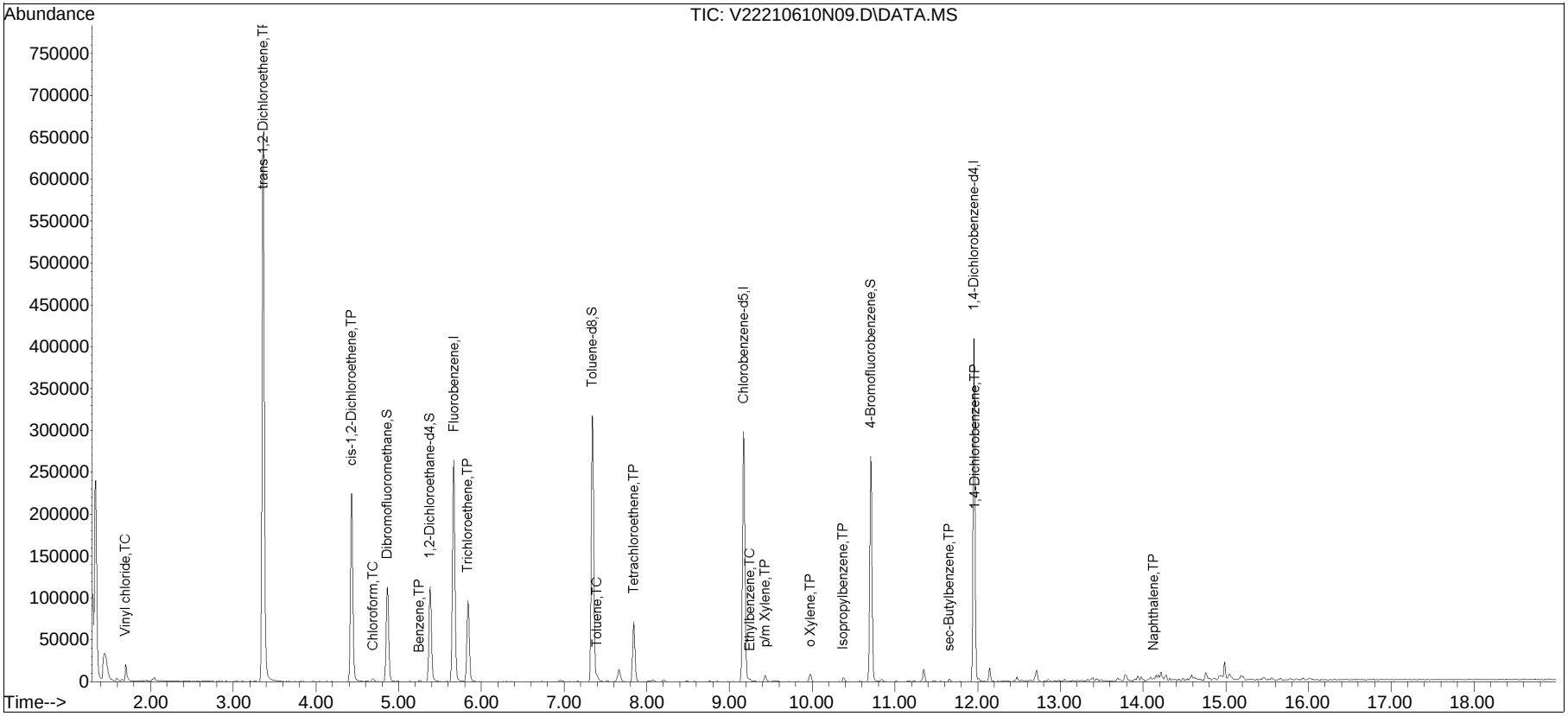
(#) = qualifier out of range (m) = manual integration (+) = signals summed

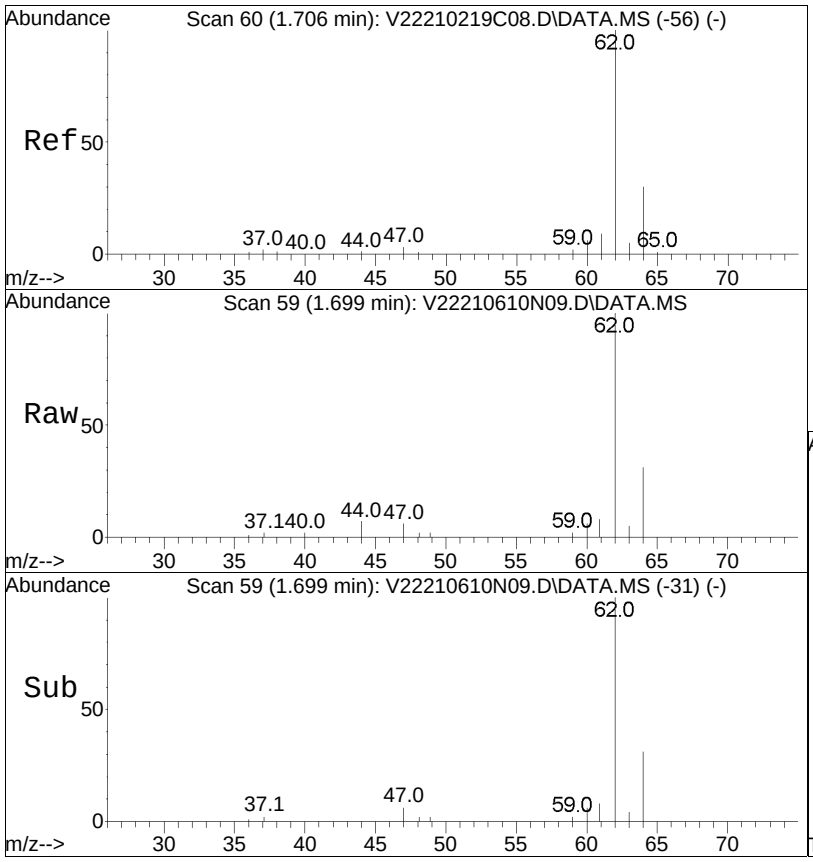
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N09.D
Acq On : 10 Jun 2021 11:25 pm
Operator : VOA122:NLK
Sample : L2129111-02,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 11 11:54:01 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10610N\V22210610N01.D•

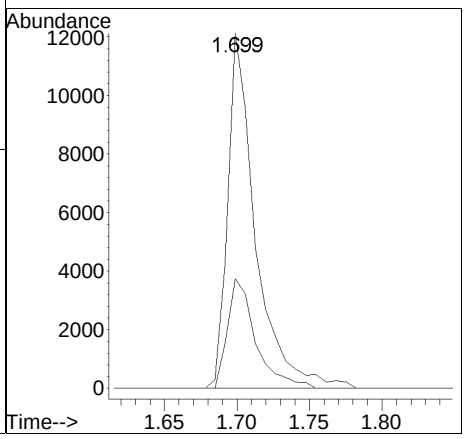


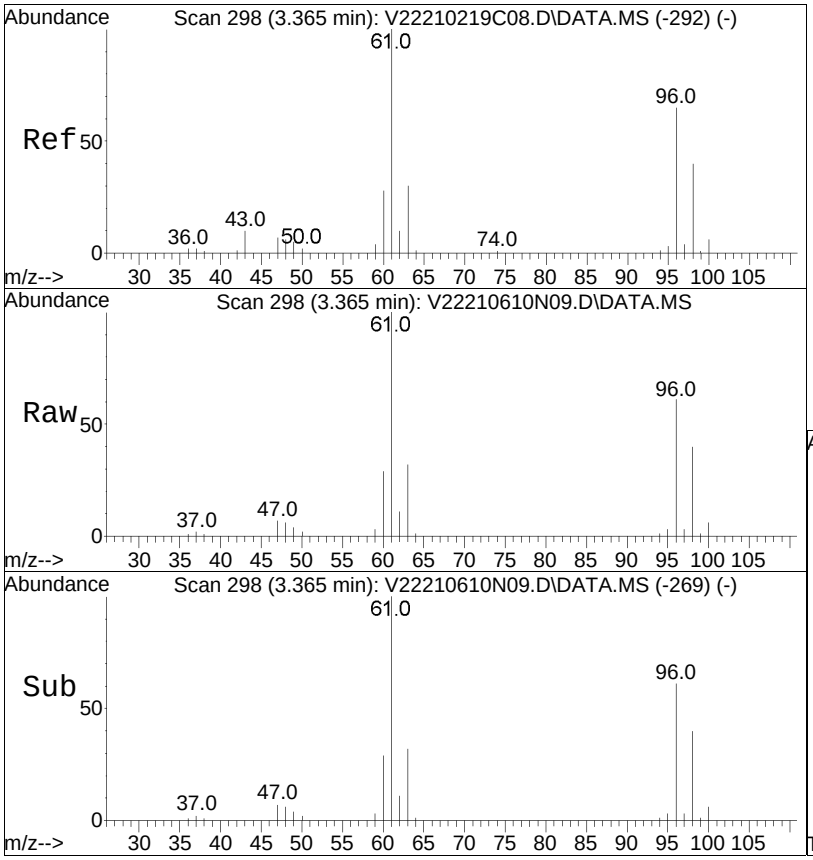


#4
Vinyl chloride
Concen: 2.90 ug/L
RT: 1.699 min Scan# 59
Delta R.T. -0.007 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion: 62 Resp: 16184

Ion	Ratio	Lower	Upper
62	100		
64	31.4	12.0	52.0

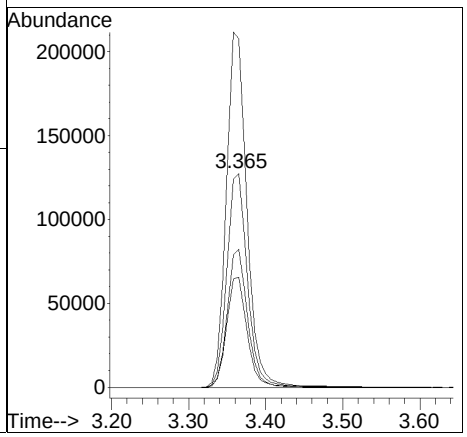


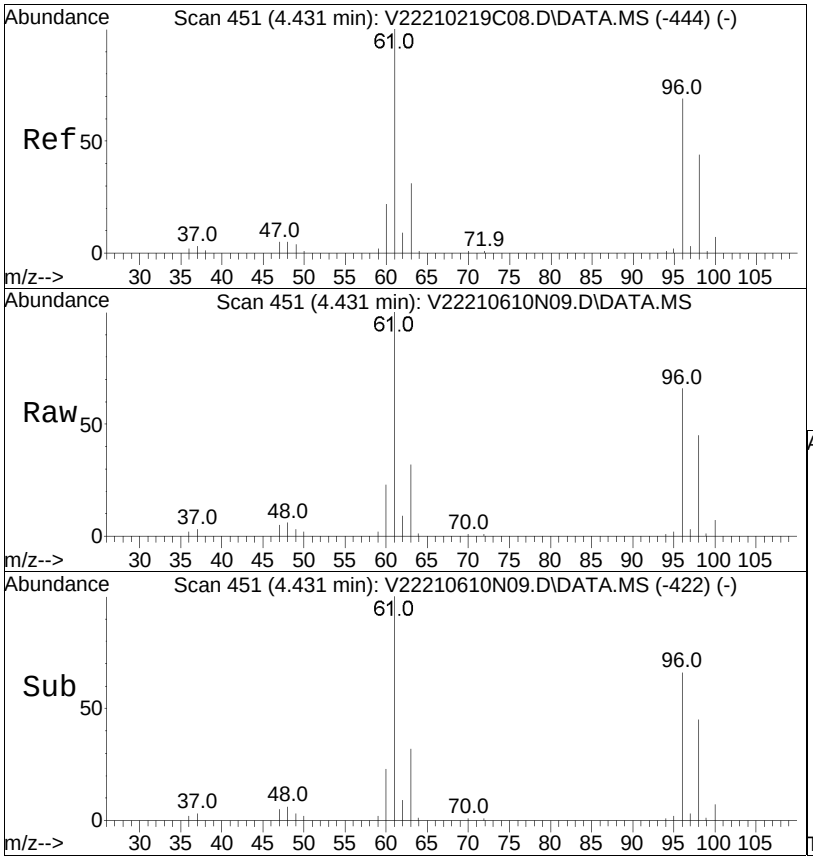


#18
trans-1,2-Dichloroethene
Concen: 54.72 ug/L
RT: 3.365 min Scan# 298
Delta R.T. -0.000 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion: 96 Resp: 238147

Ion	Ratio	Lower	Upper
96	100		
61	165.8	81.6	169.6
98	63.5	41.8	86.8
63	51.4	26.3	54.7

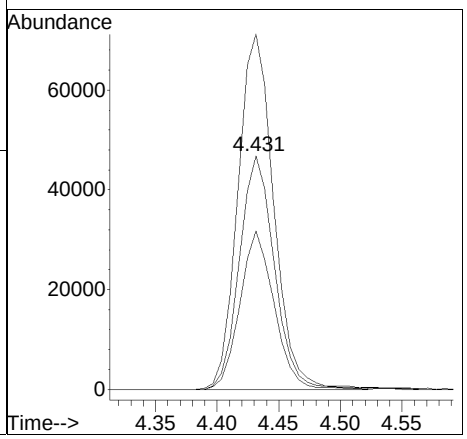


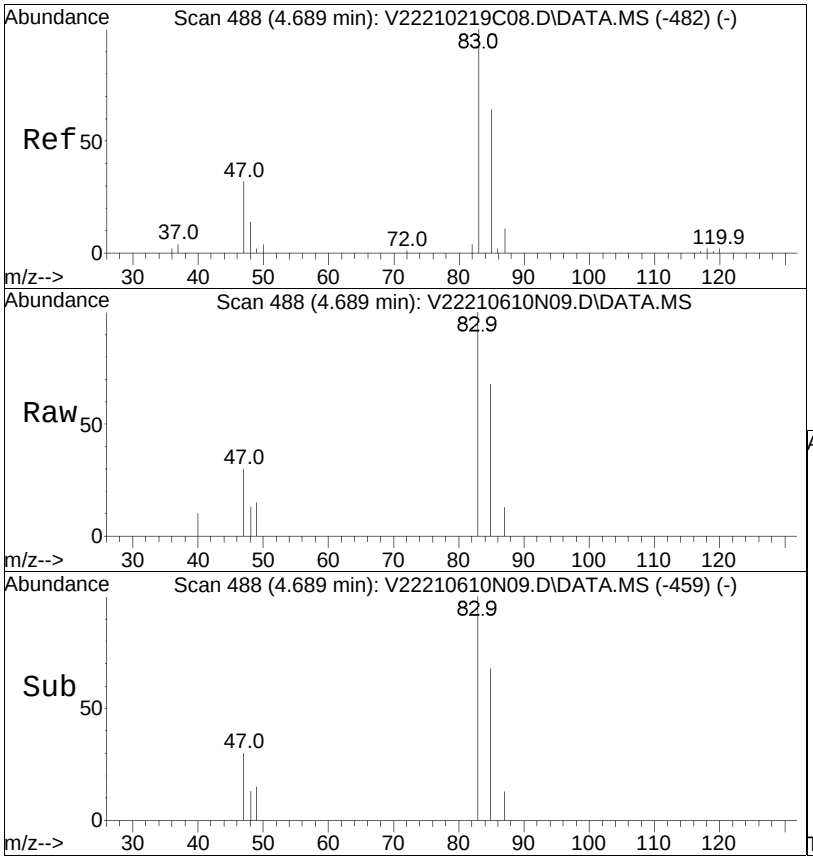


#30
cis-1,2-Dichloroethene
Concen: 18.67 ug/L
RT: 4.431 min Scan# 451
Delta R.T. -0.001 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion: 96 Resp: 92360

Ion	Ratio	Lower	Upper
96	100		
61	156.6	90.3	135.5#
98	66.4	50.8	76.2

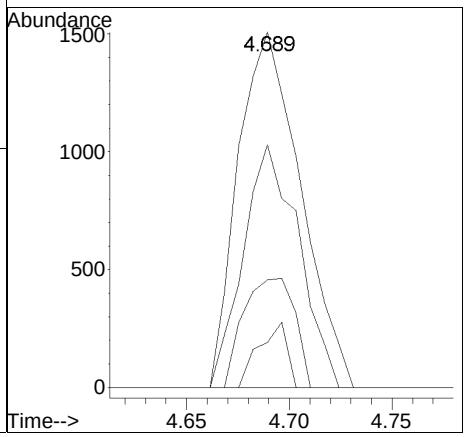


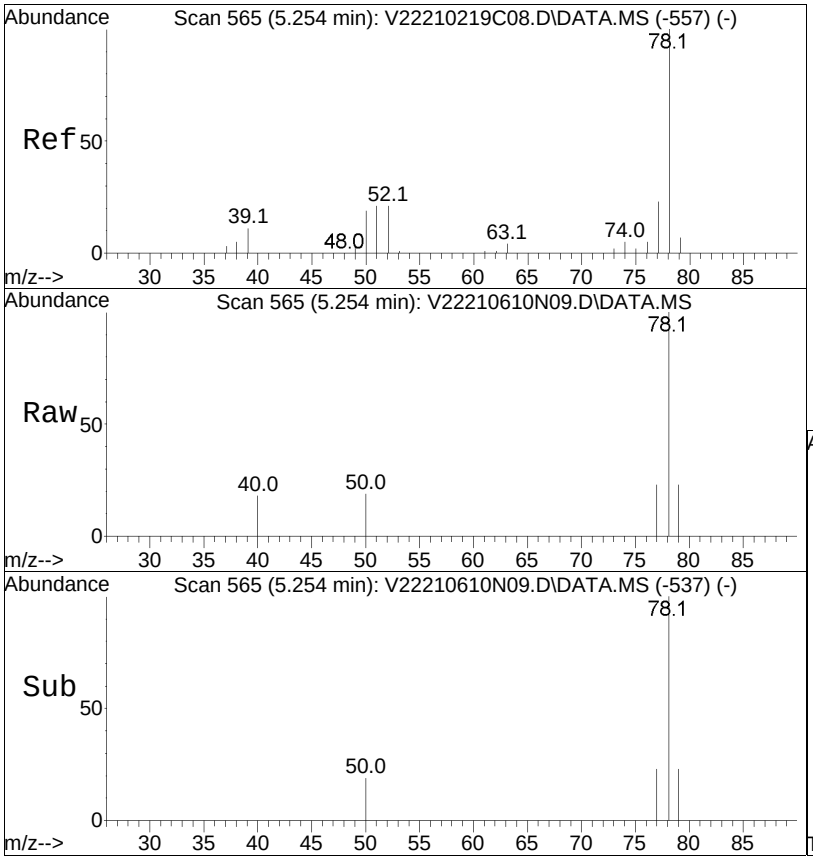


#34
Chloroform
Concen: 0.38 ug/L
RT: 4.689 min Scan# 488
Delta R.T. 0.000 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion: 83 Resp: 3195

Ion	Ratio	Lower	Upper
83	100		
85	60.2	42.4	88.2
47	25.1	14.0	29.0
48	8.3	6.9	14.3

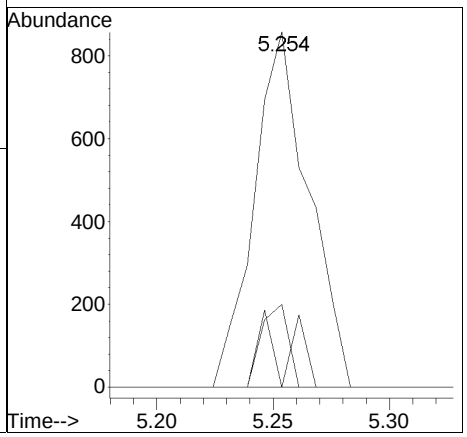


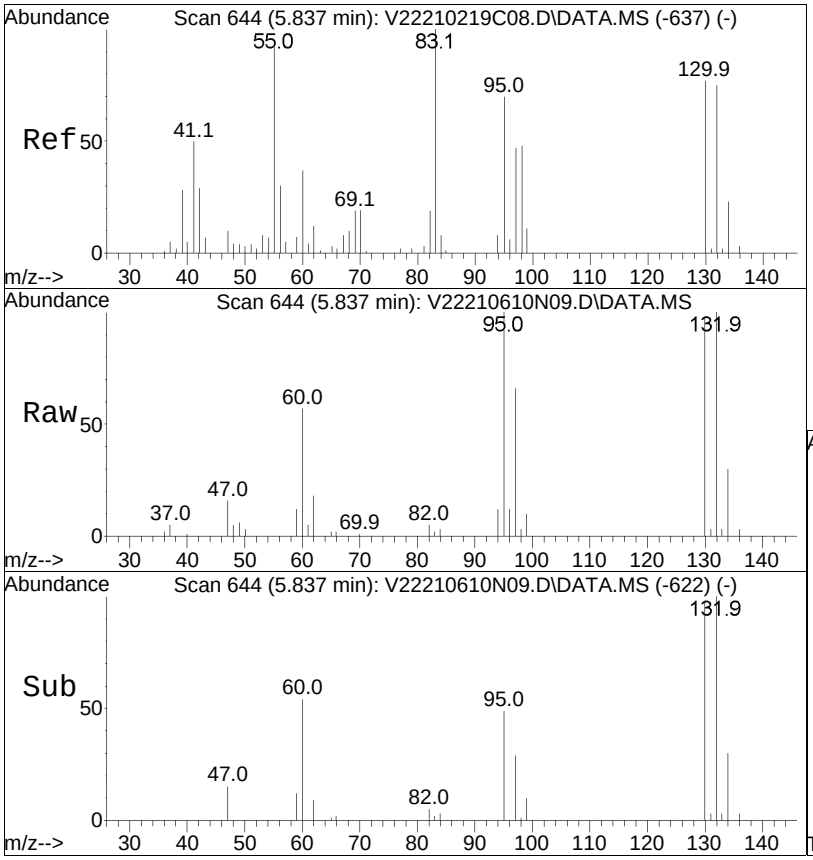


#44
Benzene
Concen: 0.08 ug/L
RT: 5.254 min Scan# 565
Delta R.T. 0.008 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion: 78 Resp: 1400

Ion	Ratio	Lower	Upper
78	100		
77	11.5	15.4	32.0#
51	0.0	9.8	20.4#
52	5.6	9.2	19.2#

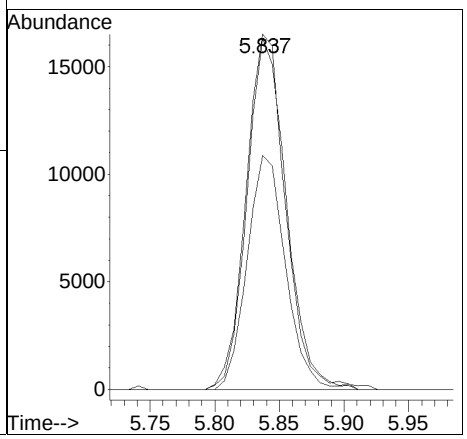


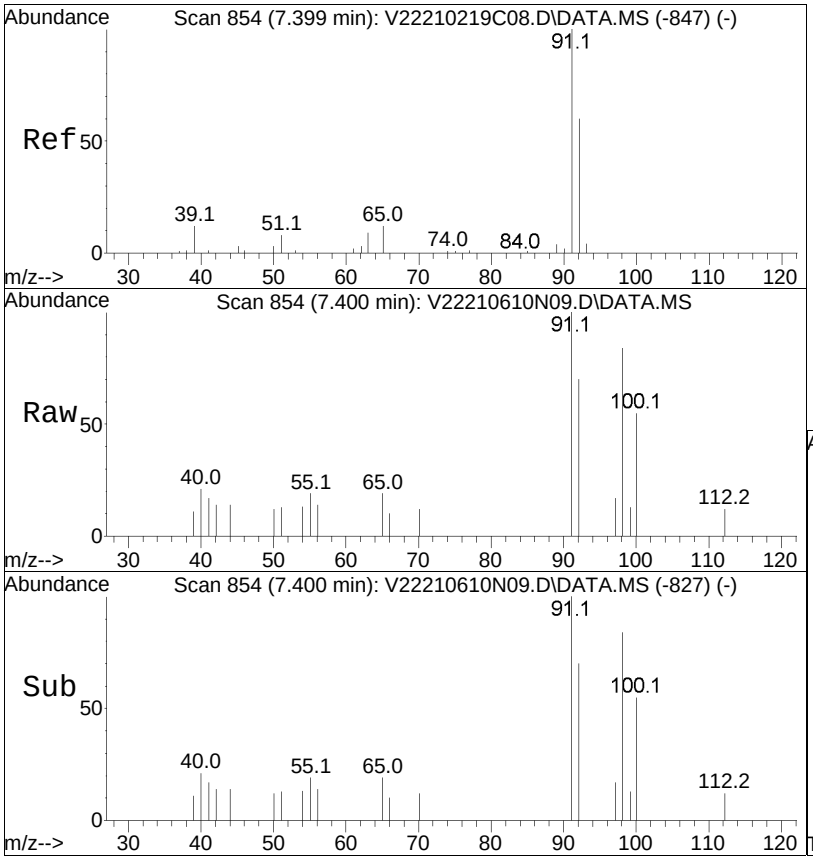


#51
Trichloroethene
Concen: 7.46 ug/L
RT: 5.837 min Scan# 644
Delta R.T. -0.000 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion: 95 Resp: 34954

Ion	Ratio	Lower	Upper
95	100		
97	64.4	55.0	82.4
130	99.1	89.2	133.8

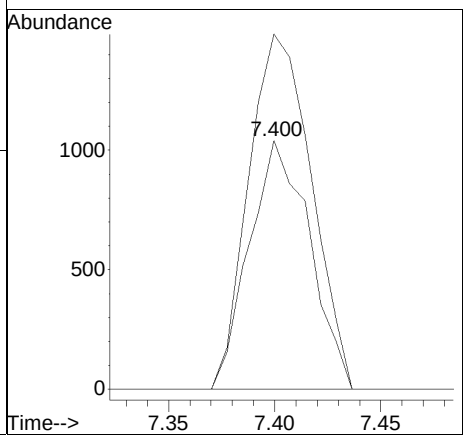


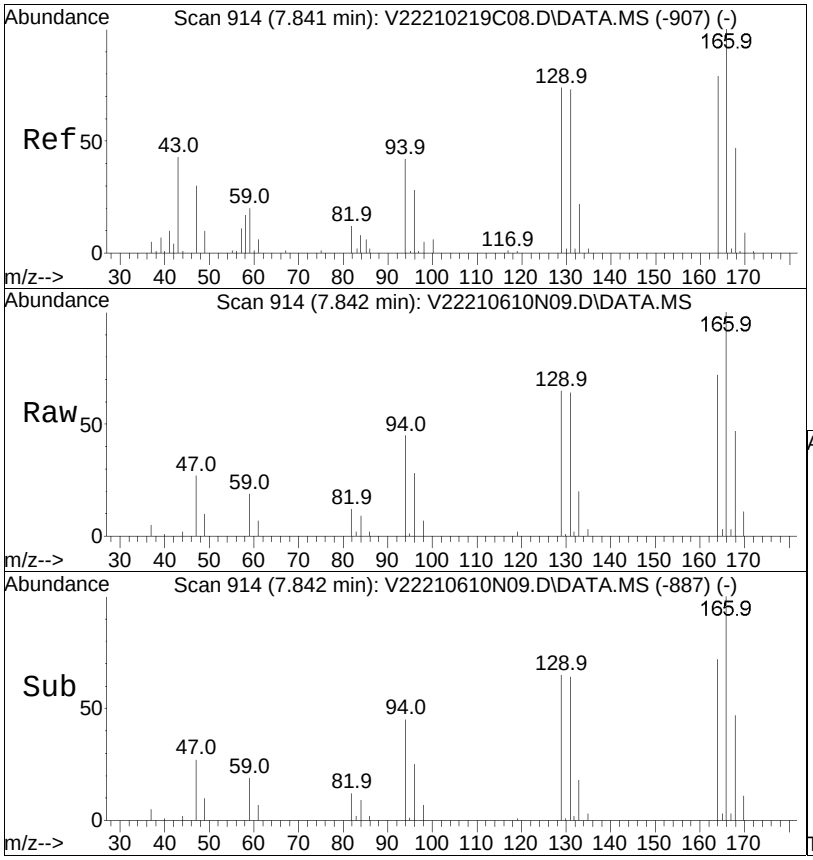


#64
Toluene
Concen: 0.18 ug/L
RT: 7.400 min Scan# 854
Delta R.T. -0.000 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion: 92 Resp: 2056

Ion	Ratio	Lower	Upper
92	100		
91	148.8	137.0	205.6

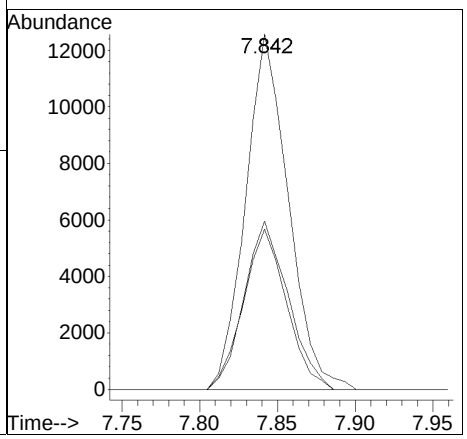


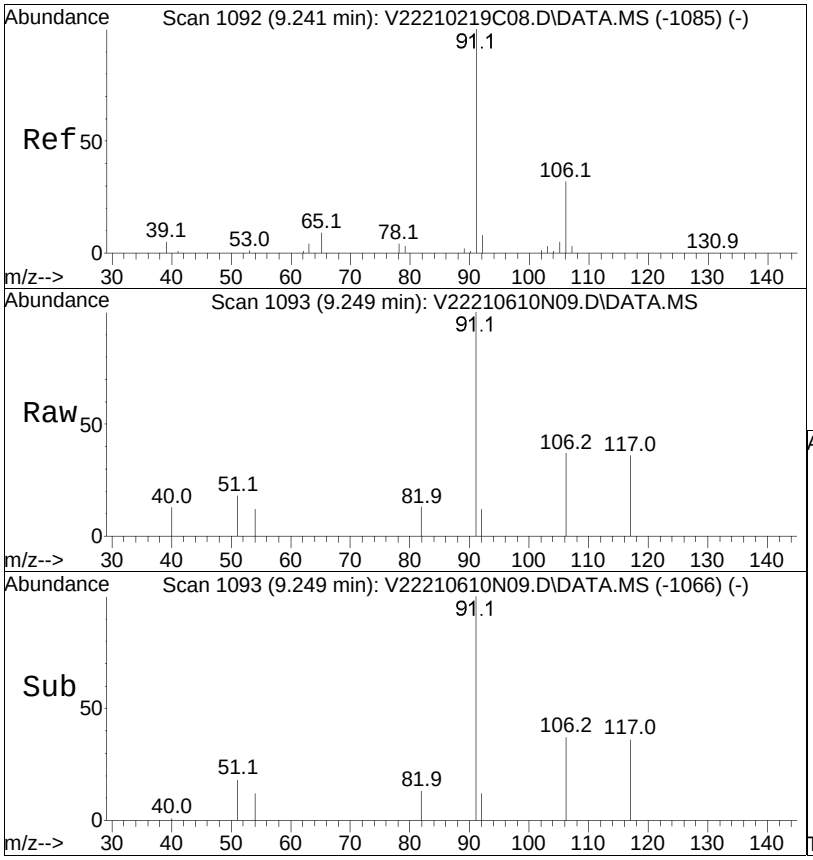


#66
Tetrachloroethene
Concen: 5.10 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion:166 Resp: 24046

Ion	Ratio	Lower	Upper
166	100		
168	48.6	27.8	67.8
94	45.4	16.7	56.7

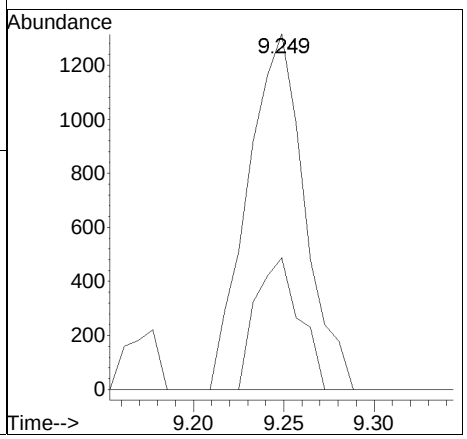


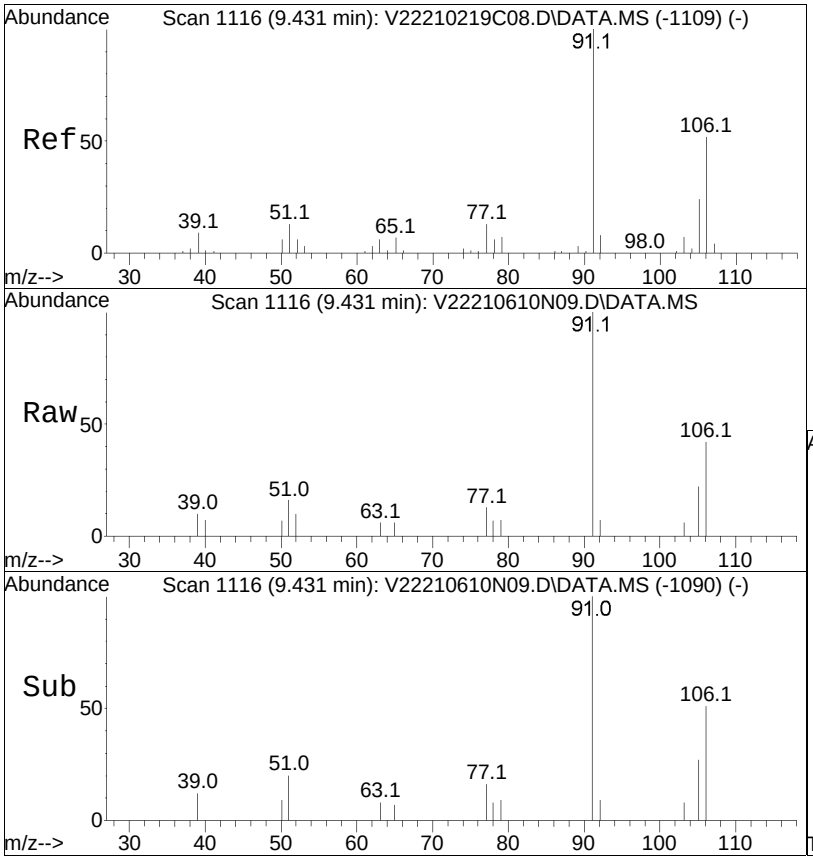


#78
Ethylbenzene
Concen: 0.13 ug/L
RT: 9.249 min Scan# 1093
Delta R.T. 0.016 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion: 91 Resp: 2890

Ion	Ratio	Lower	Upper
91	100		
106	28.4	25.8	38.6

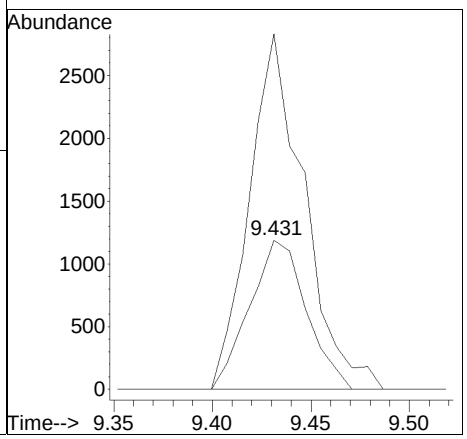


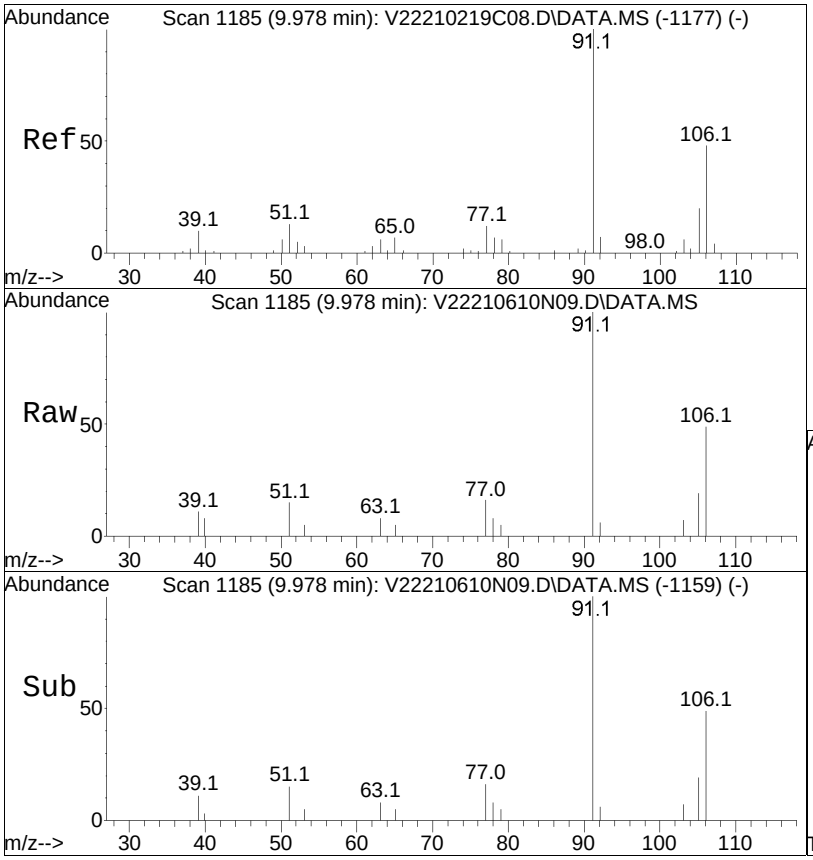


#80
p/m Xylene
Concen: 0.27 ug/L
RT: 9.431 min Scan# 1116
Delta R.T. 0.008 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion:106 Resp: 2372

Ion	Ratio	Lower	Upper
106	100		
91	230.4	156.0	234.0

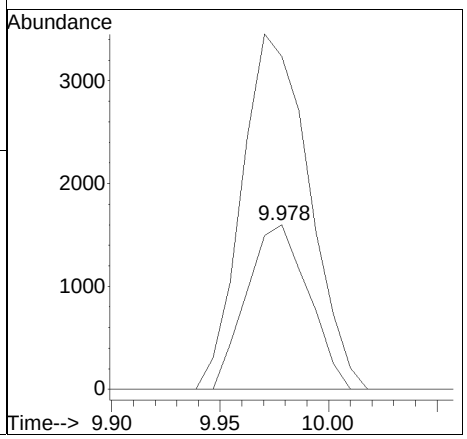


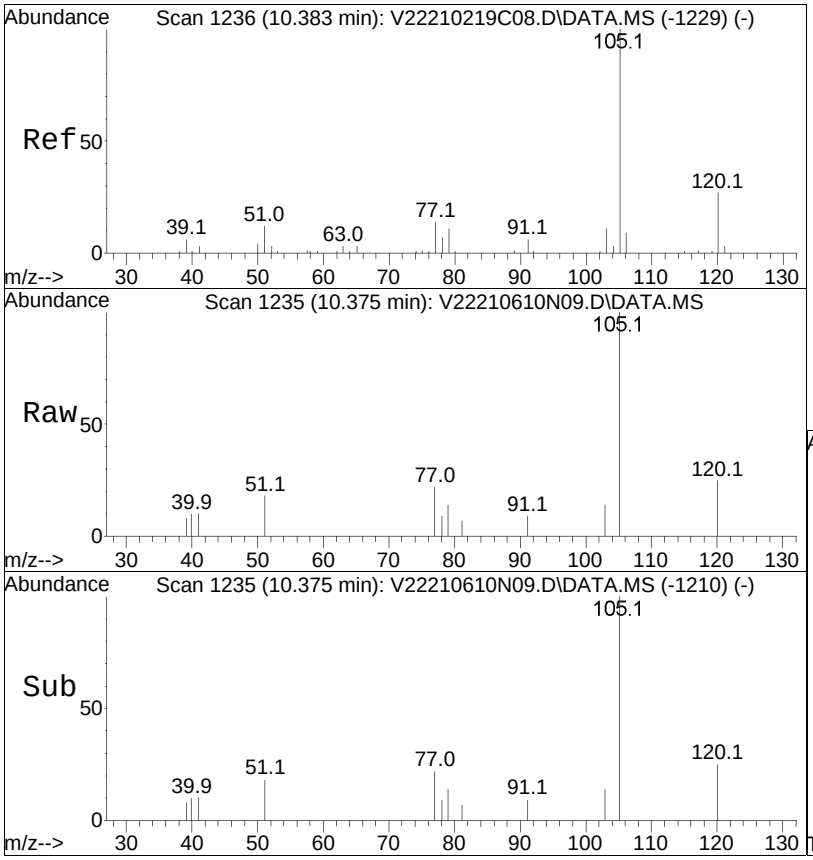


#81
o Xylene
Concen: 0.38 ug/L
RT: 9.978 min Scan# 1185
Delta R.T. 0.007 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion:106 Resp: 3179

Ion	Ratio	Lower	Upper
106	100		
91	234.4	164.0	246.0

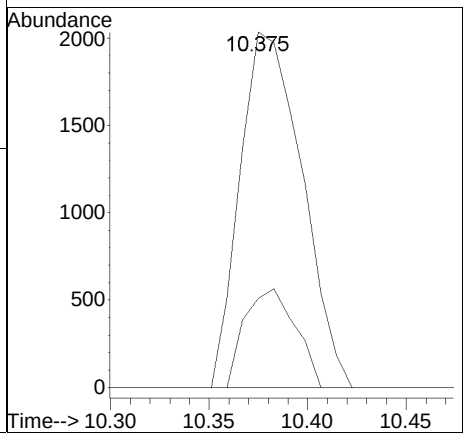


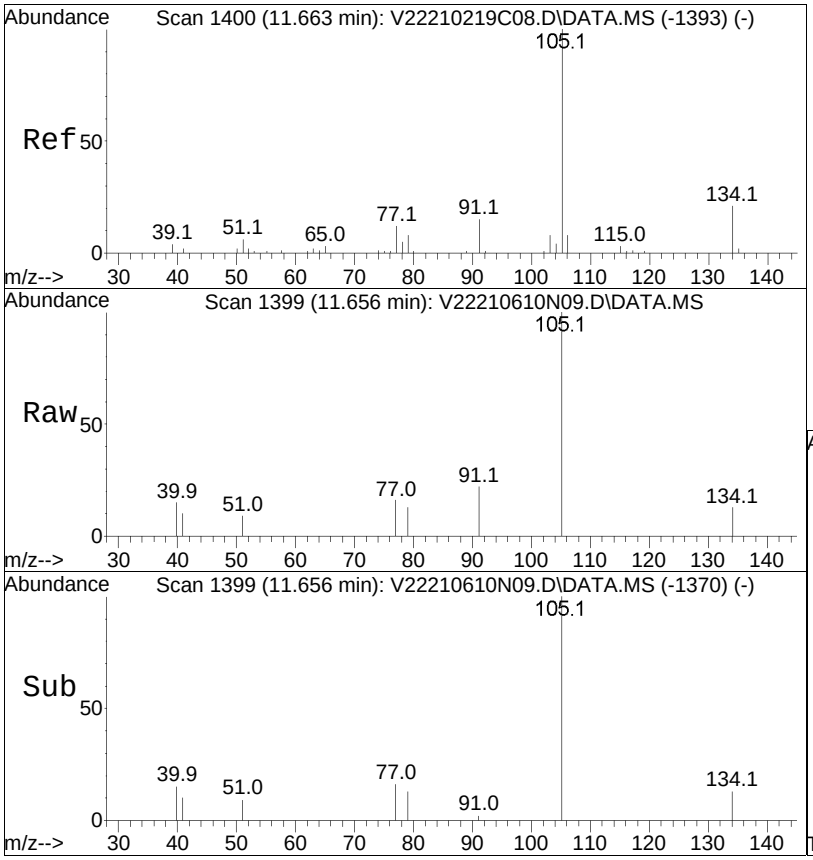


#86
Isopropylbenzene
Concen: 0.18 ug/L
RT: 10.375 min Scan# 1235
Delta R.T. -0.000 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion:105 Resp: 4467

Ion	Ratio	Lower	Upper
105	100		
120	22.7	7.7	47.7

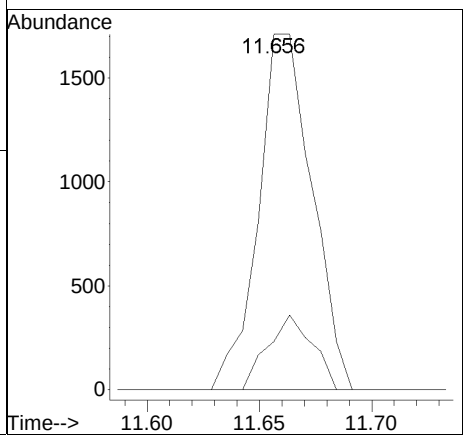


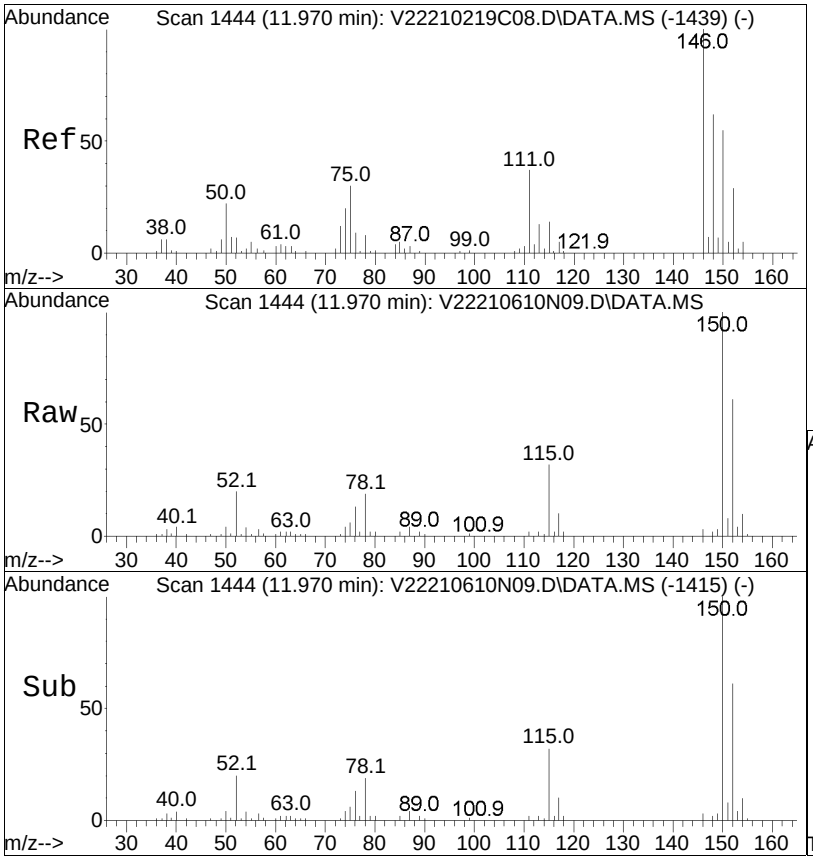


#102
sec-Butylbenzene
Concen: 0.12 ug/L
RT: 11.656 min Scan# 1399
Delta R.T. -0.001 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion:105 Resp: 2850

Ion	Ratio	Lower	Upper
105	100		
134	17.5	13.9	28.9

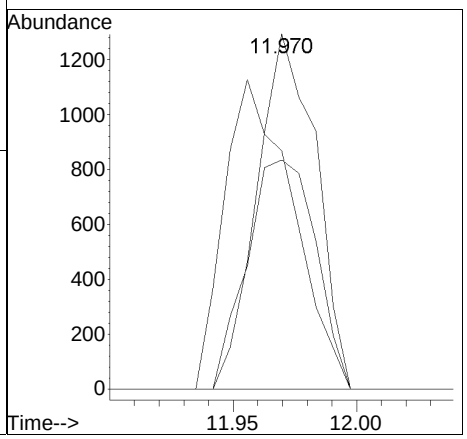


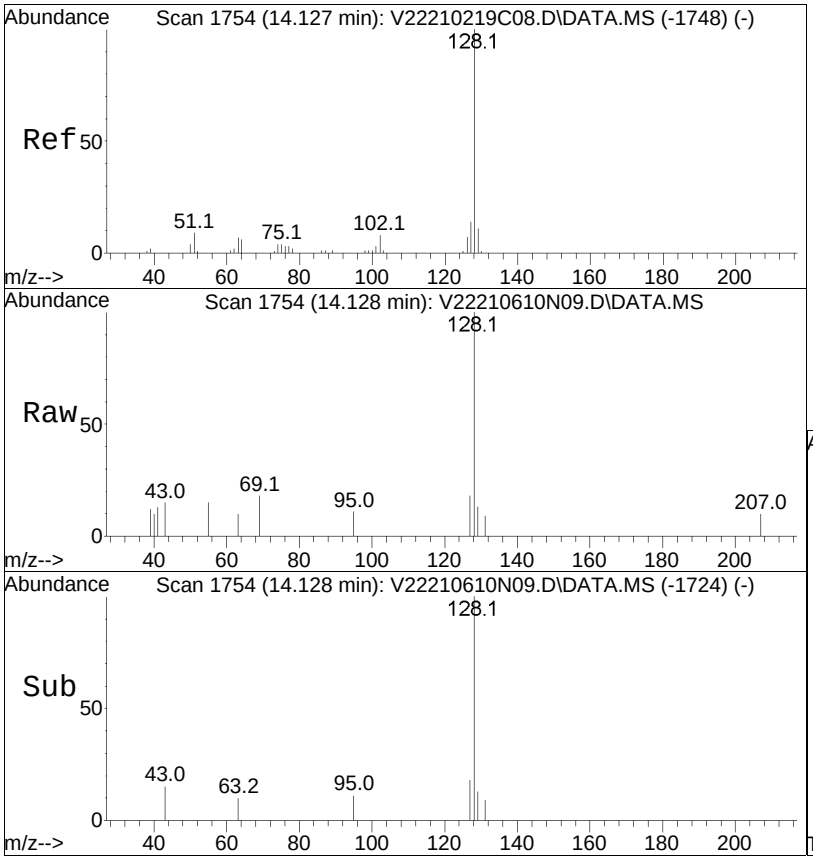


#105
1,4-Dichlorobenzene
Concen: 0.19 ug/L
RT: 11.970 min Scan# 1444
Delta R.T. -0.000 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion:146 Resp: 2151

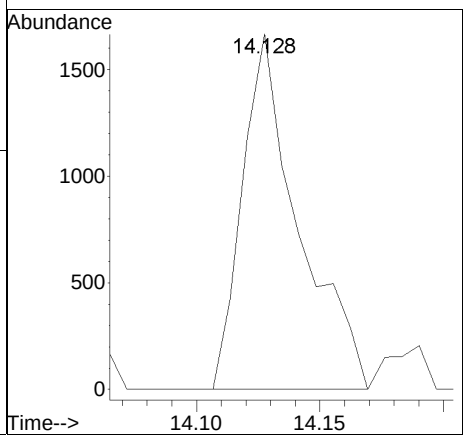
Ion	Ratio	Lower	Upper
146	100		
111	100.9	28.9	43.3#
148	75.2	51.4	77.2





#114
Naphthalene
Concen: 0.20 ug/L
RT: 14.128 min Scan# 1754
Delta R.T. 0.007 min
Lab File: V22210610N09.D
Acq: 10 Jun 2021 11:25 pm

Tgt Ion:128 Resp: 2637



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2Q	Method	: V122_210420N_8260.m
Data File	: V22210610N09.D	Operator	: VOA122:NLK
Date Inj'd	: 6/10/2021 11:25 pm	Instrument	: VOA122
Sample	: L2129111-02,31,10,10,,A,PR	Quant Date	: 6/11/2021 11:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N10.D
Acq On : 10 Jun 2021 11:52 pm
Operator : VOA122:NLK
Sample : L2129111-03,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 11 11:54:28 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.667	96	237279	10.000 ug/L	0.00
Standard Area 1 = 227181			Recovery = 104.44%		
62) Chlorobenzene-d5	9.170	117	189957	10.000 ug/L	0.00
Standard Area 1 = 171867			Recovery = 110.53%		
83) 1,4-Dichlorobenzene-d4	11.956	152	102508	10.000 ug/L	0.00
Standard Area 1 = 97920			Recovery = 104.69%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	71565	11.438 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.38%		
46) 1,2-Dichloroethane-d4	5.379	65	88362	11.935 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 119.35%		
63) Toluene-d8	7.341	98	235752	9.795 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.95%		
87) 4-Bromofluorobenzene	10.708	95	89723	9.064 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.64%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.710	76	324	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.260	43	423	Below Cal #	46
18) trans-1,2-Dichloroethene	3.365	96	4369	1.017 ug/L #	71
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	4.432	96	4888	1.000 ug/L #	76
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	4.689	83	8072	0.973 ug/L #	90

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N10.D
Acq On : 10 Jun 2021 11:52 pm
Operator : VOA122:NLK
Sample : L2129111-03,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 11 11:54:28 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
42) 1,1-Dichloropropene	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
51) Trichloroethene	5.837	95	16727	3.615	ug/L	92
53) Dibromomethane	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	7.400	92	304	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	7.842	166	44054	9.276	ug/L	91
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
72) Chlorodibromomethane	0.000		0	N.D.		
73) 1,3-Dichloropropane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.178	91	466	N.D.		
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
80) p/m Xylene	9.439	106	82	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
88) Bromobenzene	0.000		0	N.D.		
89) n-Propylbenzene	10.708	91	342	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
92) 4-Ethyltoluene	0.000		0	N.D.		
93) 2-Chlorotoluene	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
95) 1,2,3-Trichloropropane	0.000		0	N.D.		
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
97) 4-Chlorotoluene	0.000		0	N.D.		
98) tert-Butylbenzene	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N10.D
Acq On : 10 Jun 2021 11:52 pm
Operator : VOA122:NLK
Sample : L2129111-03,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 11 11:54:28 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.552	105	67	N.D.		
102) sec-Butylbenzene	11.552	105	67	N.D.		
103) p-Isopropyltoluene	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	0.000		0	N.D. d		
105) 1,4-Dichlorobenzene	11.977	146	1406	0.127	ug/L #	15
106) p-Diethylbenzene	0.000		0	N.D.		
107) n-Butylbenzene	0.000		0	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
109) 1,2,4,5-Tetramethylben...	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112) Hexachlorobutadiene	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
114) Naphthalene	14.128	128	411	N.D.		
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

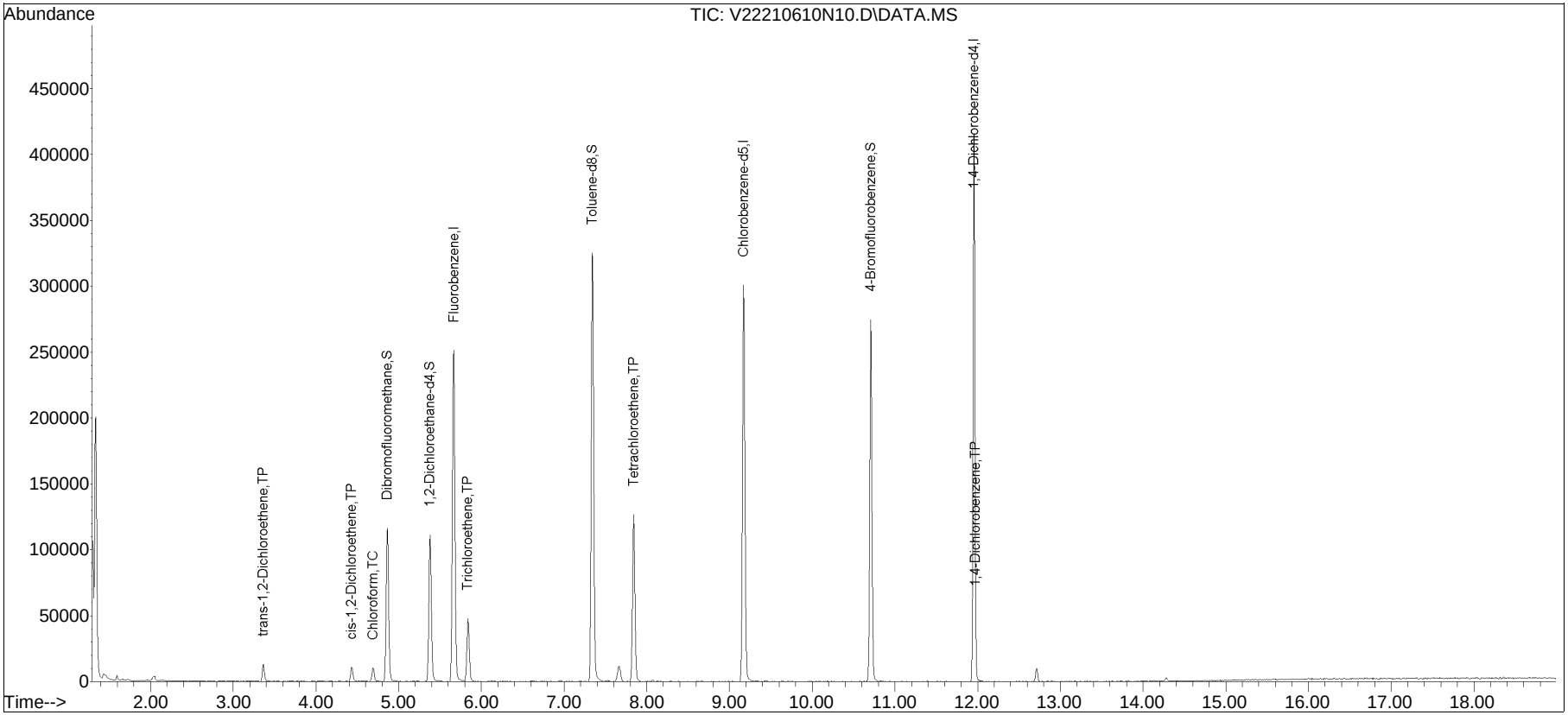
(#) = qualifier out of range (m) = manual integration (+) = signals summed

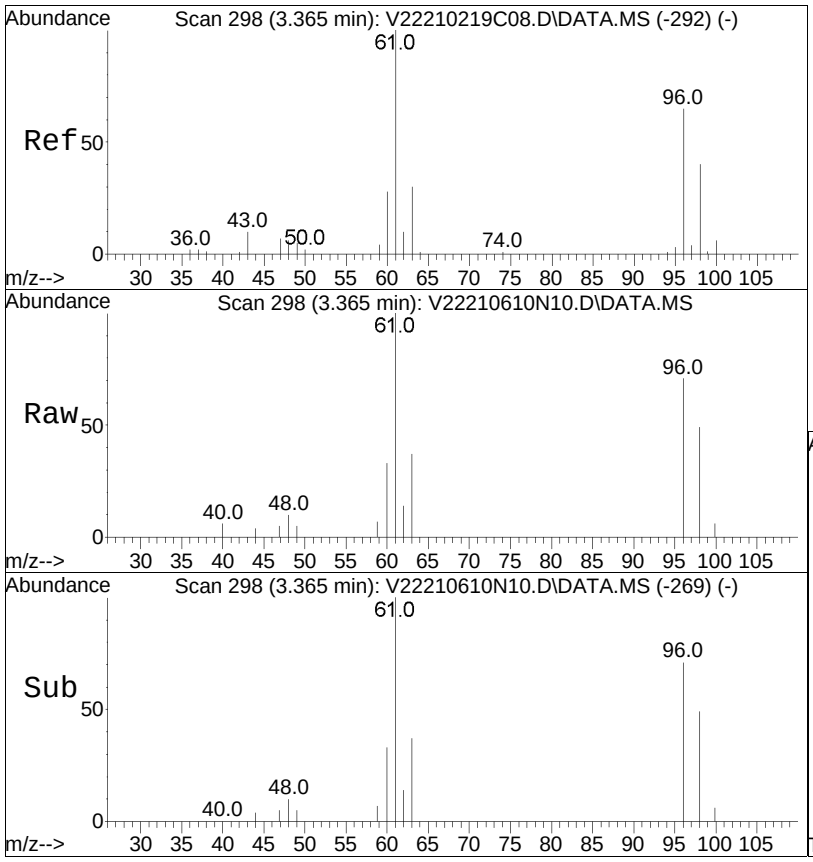
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N10.D
Acq On : 10 Jun 2021 11:52 pm
Operator : VOA122:NLK
Sample : L2129111-03,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 11 11:54:28 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10610N\V22210610N01.D•

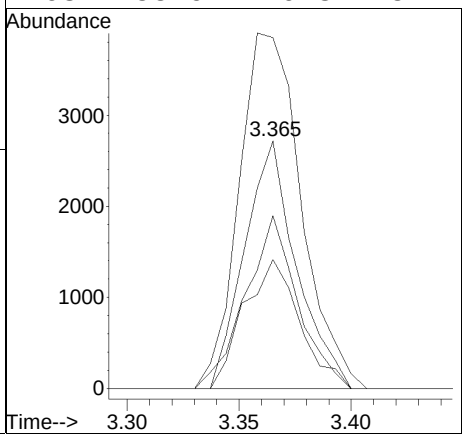


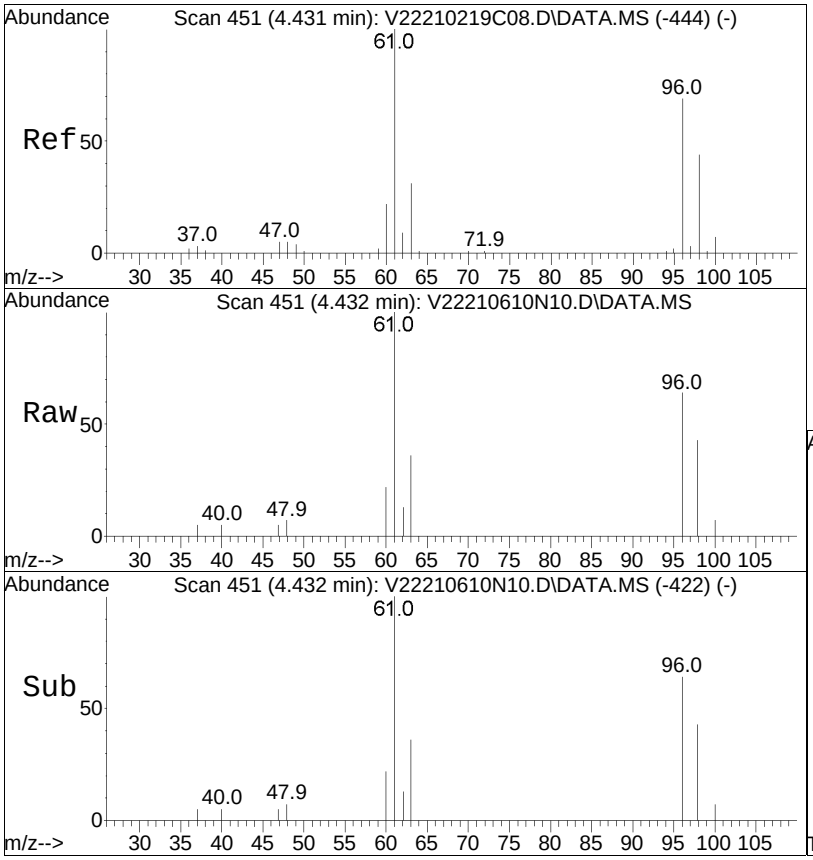


#18
trans-1,2-Dichloroethene
Concen: 1.02 ug/L
RT: 3.365 min Scan# 298
Delta R.T. 0.000 min
Lab File: V22210610N10.D
Acq: 10 Jun 2021 11:52 pm

Tgt Ion: 96 Resp: 4369

Ion	Ratio	Lower	Upper
96	100		
61	172.3	81.6	169.6#
98	69.9	41.8	86.8
63	55.9	26.3	54.7#

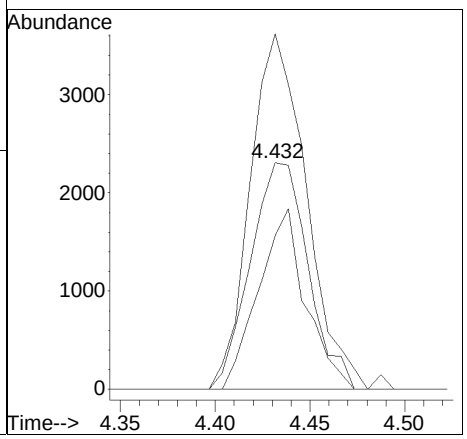


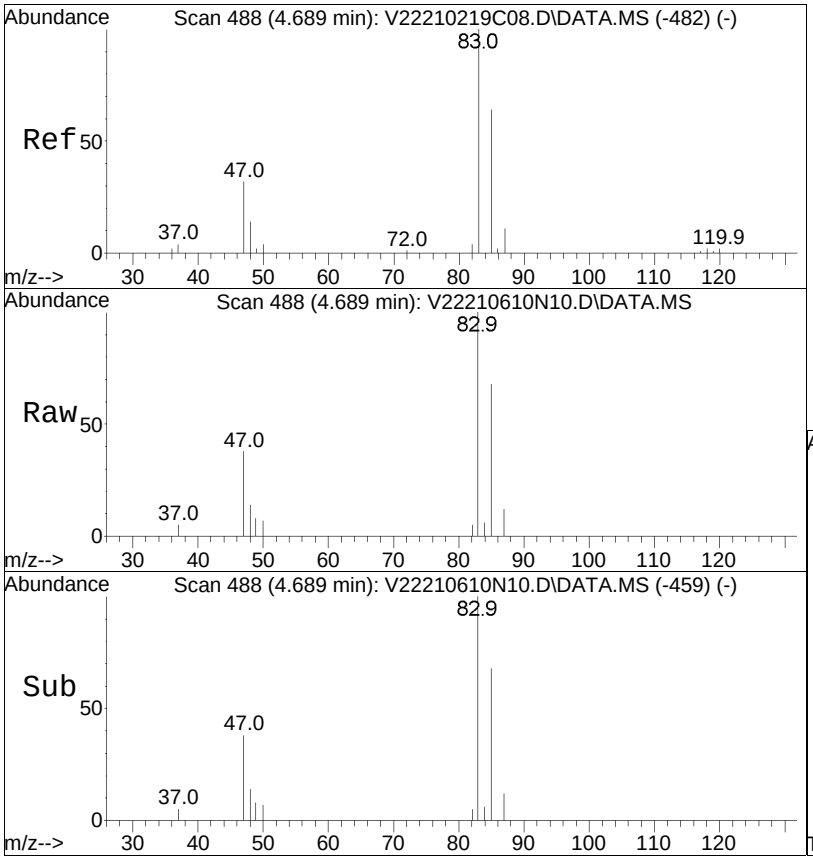


#30
cis-1,2-Dichloroethene
Concen: 1.00 ug/L
RT: 4.432 min Scan# 451
Delta R.T. -0.000 min
Lab File: V22210610N10.D
Acq: 10 Jun 2021 11:52 pm

Tgt Ion: 96 Resp: 4888

Ion	Ratio	Lower	Upper
96	100		
61	152.4	90.3	135.5#
98	65.0	50.8	76.2

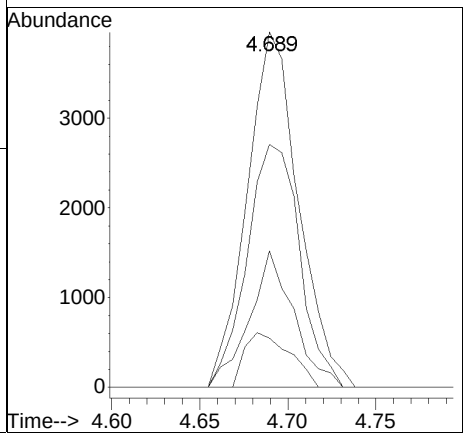


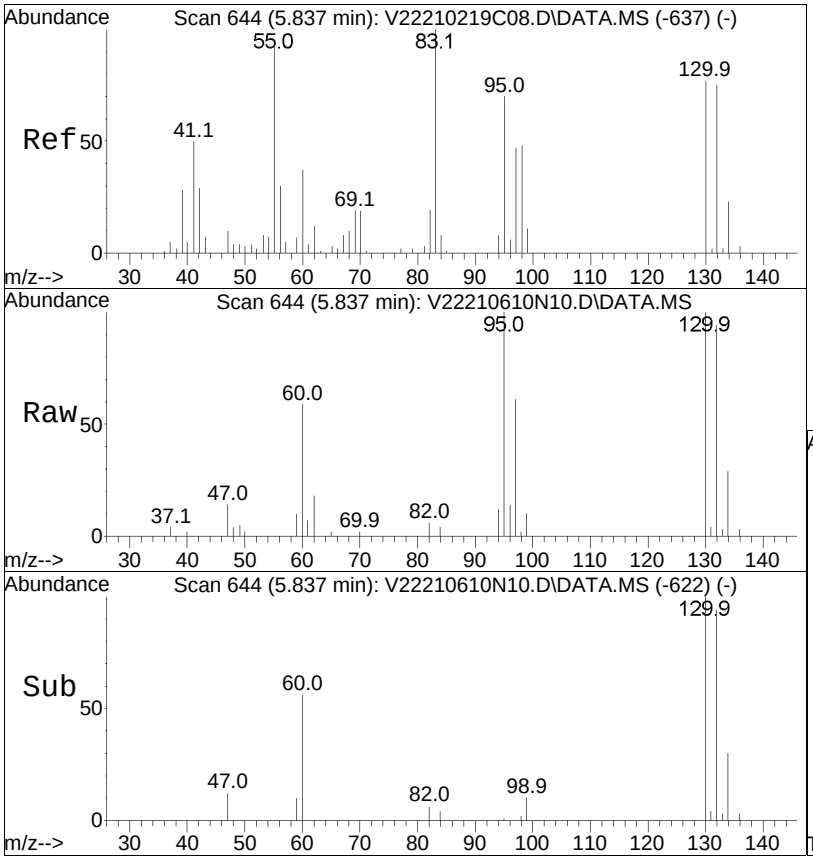


#34
Chloroform
Concen: 0.97 ug/L
RT: 4.689 min Scan# 488
Delta R.T. 0.000 min
Lab File: V22210610N10.D
Acq: 10 Jun 2021 11:52 pm

Tgt Ion: 83 Resp: 8072

Ion	Ratio	Lower	Upper
83	100		
85	69.7	42.4	88.2
47	33.1	14.0	29.0#
48	13.5	6.9	14.3

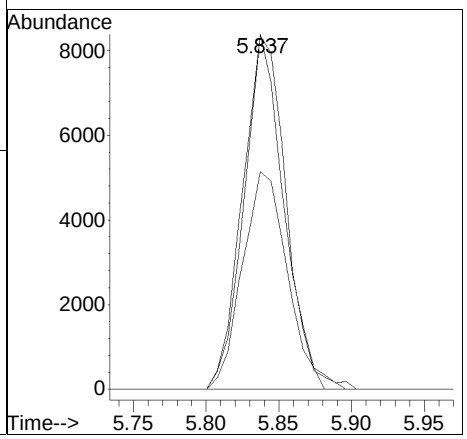


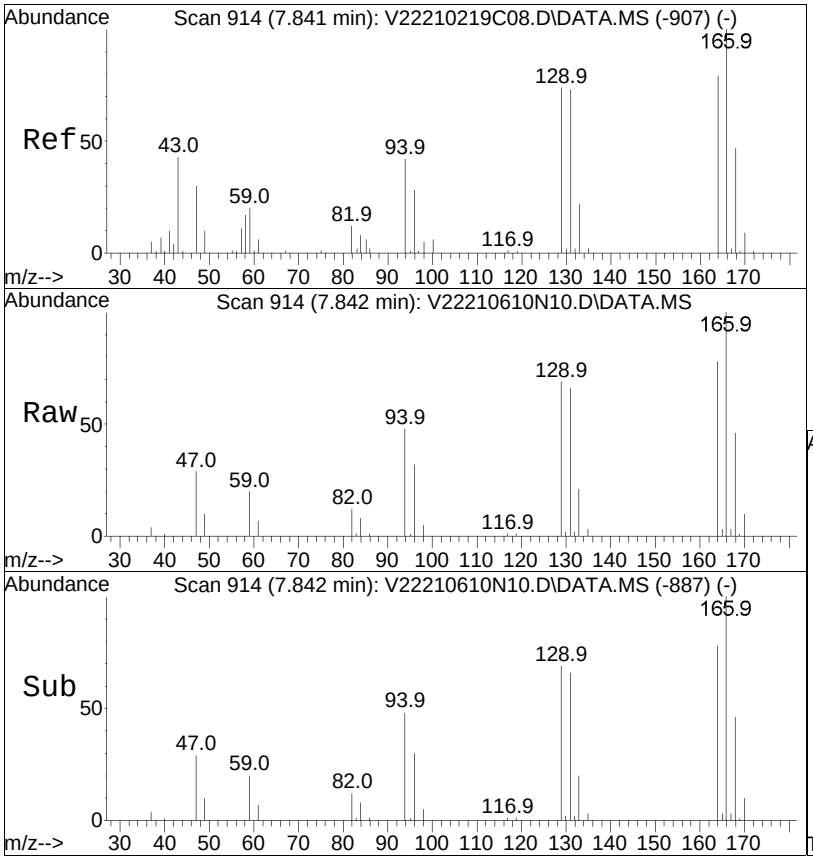


#51
Trichloroethene
Concen: 3.61 ug/L
RT: 5.837 min Scan# 644
Delta R.T. 0.000 min
Lab File: V22210610N10.D
Acq: 10 Jun 2021 11:52 pm

Tgt Ion: 95 Resp: 16727

Ion	Ratio	Lower	Upper
95	100		
97	65.3	55.0	82.4
130	100.5	89.2	133.8

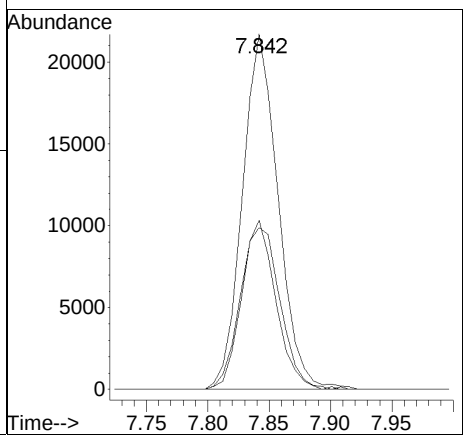


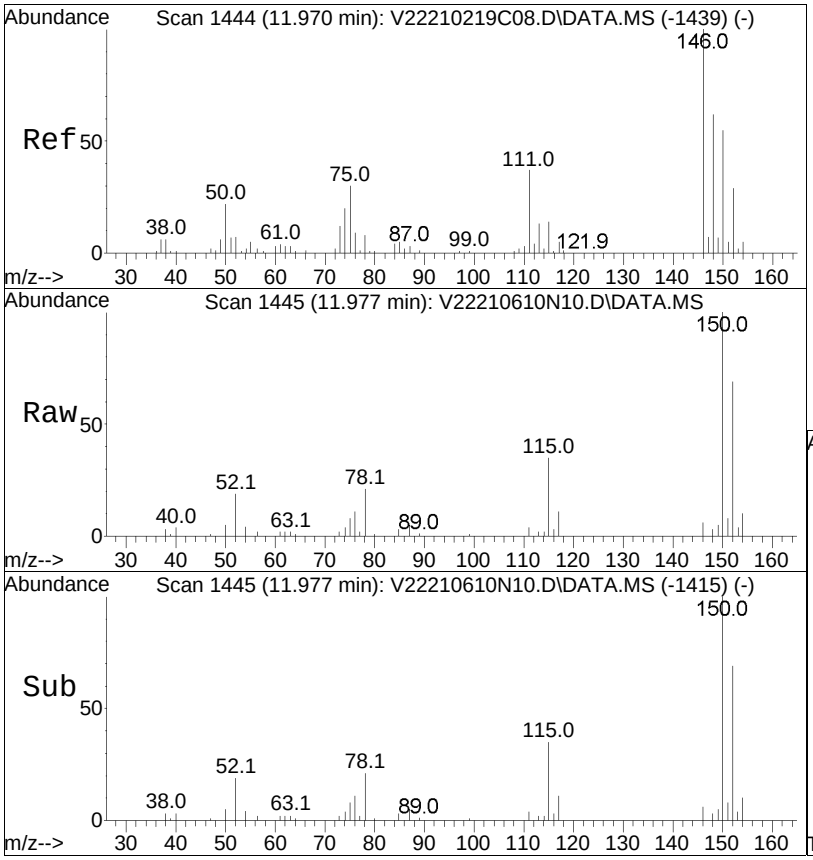


#66
Tetrachloroethene
Concen: 9.28 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210610N10.D
Acq: 10 Jun 2021 11:52 pm

Tgt Ion:166 Resp: 44054

Ion	Ratio	Lower	Upper
166	100		
168	49.5	27.8	67.8
94	46.9	16.7	56.7

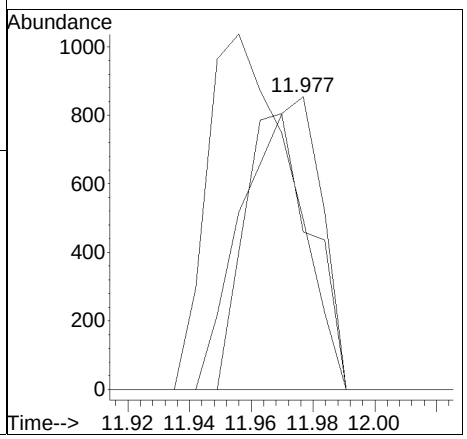




#105
1,4-Dichlorobenzene
Concen: 0.13 ug/L
RT: 11.977 min Scan# 1445
Delta R.T. 0.007 min
Lab File: V22210610N10.D
Acq: 10 Jun 2021 11:52 pm

Tgt Ion:146 Resp: 1406

Ion	Ratio	Lower	Upper
146	100		
111	137.8	28.9	43.3#
148	91.8	51.4	77.2#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2Q	Method	: V122_210420N_8260.m
Data File	: V22210610N10.D	Operator	: VOA122:NLK
Date Inj'd	: 6/10/2021 11:52 pm	Instrument	: VOA122
Sample	: L2129111-03,31,10,10,,A,PR	Quant Date	: 6/11/2021 11:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N11.D
Acq On : 11 Jun 2021 12:18 am
Operator : VOA122:NLK
Sample : L2129111-04,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 11 11:54:50 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.667	96	228776	10.000 ug/L	0.00
Standard Area 1 = 227181			Recovery = 100.70%		
62) Chlorobenzene-d5	9.170	117	194859	10.000 ug/L	0.00
Standard Area 1 = 171867			Recovery = 113.38%		
83) 1,4-Dichlorobenzene-d4	11.956	152	102764	10.000 ug/L	0.00
Standard Area 1 = 97920			Recovery = 104.95%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	70168	11.632 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.32%		
46) 1,2-Dichloroethane-d4	5.379	65	89685	12.564 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 125.64%		
63) Toluene-d8	7.341	98	237977	9.639 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.39%		
87) 4-Bromofluorobenzene	10.708	95	90307	9.100 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.00%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.703	76	308	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.274	43	839	Below Cal #	46
18) trans-1,2-Dichloroethene	3.365	96	3870	0.934 ug/L #	73
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	4.431	96	4139	0.878 ug/L #	74
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	4.689	83	9494	1.187 ug/L	97

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N11.D
Acq On : 11 Jun 2021 12:18 am
Operator : VOA122:NLK
Sample : L2129111-04,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 11 11:54:50 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
42) 1,1-Dichloropropene	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
51) Trichloroethene	5.837	95	15172	3.401	ug/L	93
53) Dibromomethane	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	7.400	92	1063	0.088	ug/L	88
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	7.842	166	46759	9.598	ug/L	91
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
72) Chlorodibromomethane	0.000		0	N.D.		
73) 1,3-Dichloropropane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.241	91	237	N.D.		
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
80) p/m Xylene	9.431	106	579	N.D.		
81) o Xylene	9.986	106	96	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
88) Bromobenzene	0.000		0	N.D.		
89) n-Propylbenzene	10.700	91	295	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
92) 4-Ethyltoluene	0.000		0	N.D.		
93) 2-Chlorotoluene	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
95) 1,2,3-Trichloropropane	0.000		0	N.D.		
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
97) 4-Chlorotoluene	0.000		0	N.D.		
98) tert-Butylbenzene	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N11.D
Acq On : 11 Jun 2021 12:18 am
Operator : VOA122:NLK
Sample : L2129111-04,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 11 11:54:50 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.552	105	67	N.D.		
102) sec-Butylbenzene	11.552	105	67	N.D.		
103) p-Isopropyltoluene	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	0.000		0	N.D. d		
105) 1,4-Dichlorobenzene	11.970	146	1405	0.127	ug/L #	32
106) p-Diethylbenzene	0.000		0	N.D.		
107) n-Butylbenzene	0.000		0	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
109) 1,2,4,5-Tetramethylben...	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112) Hexachlorobutadiene	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
114) Naphthalene	14.128	128	185	N.D.		
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

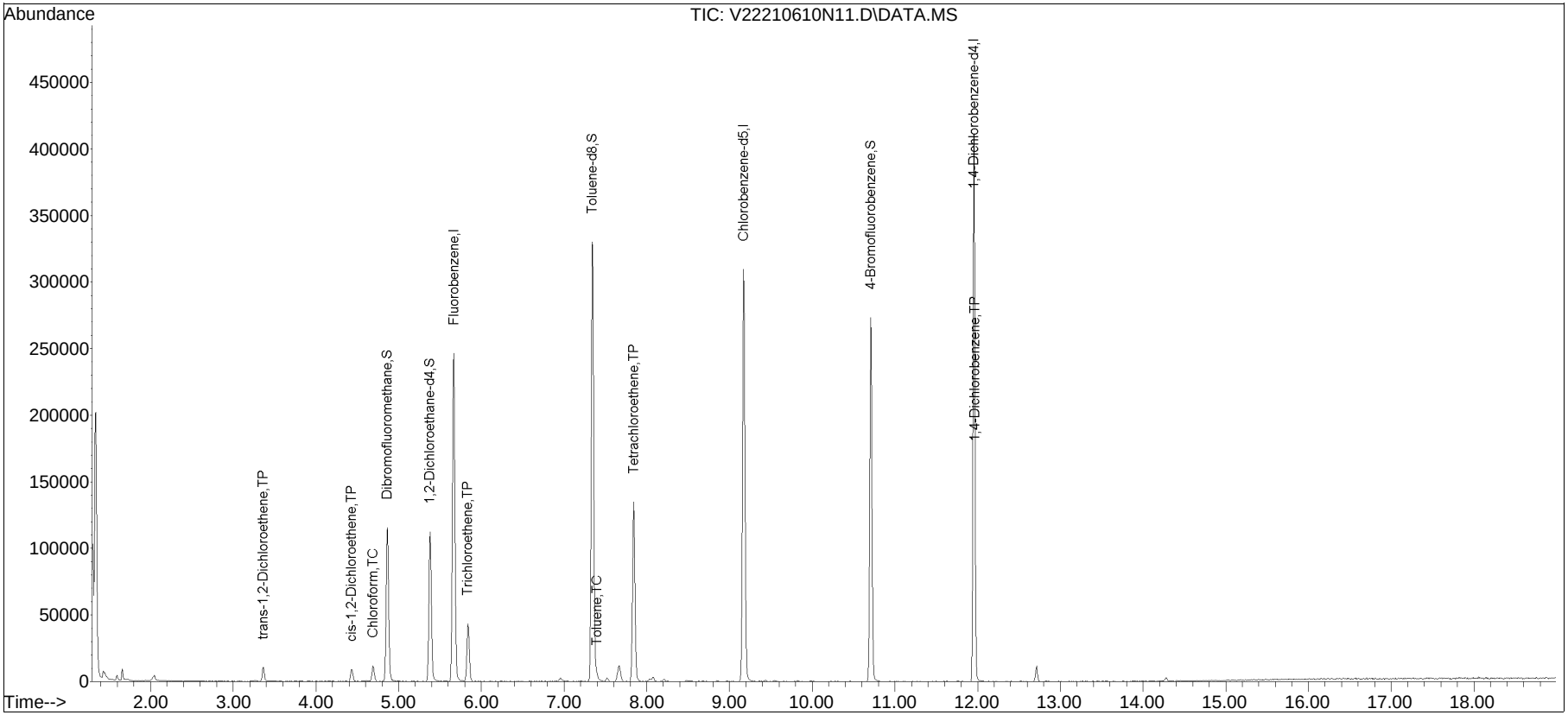
(#) = qualifier out of range (m) = manual integration (+) = signals summed

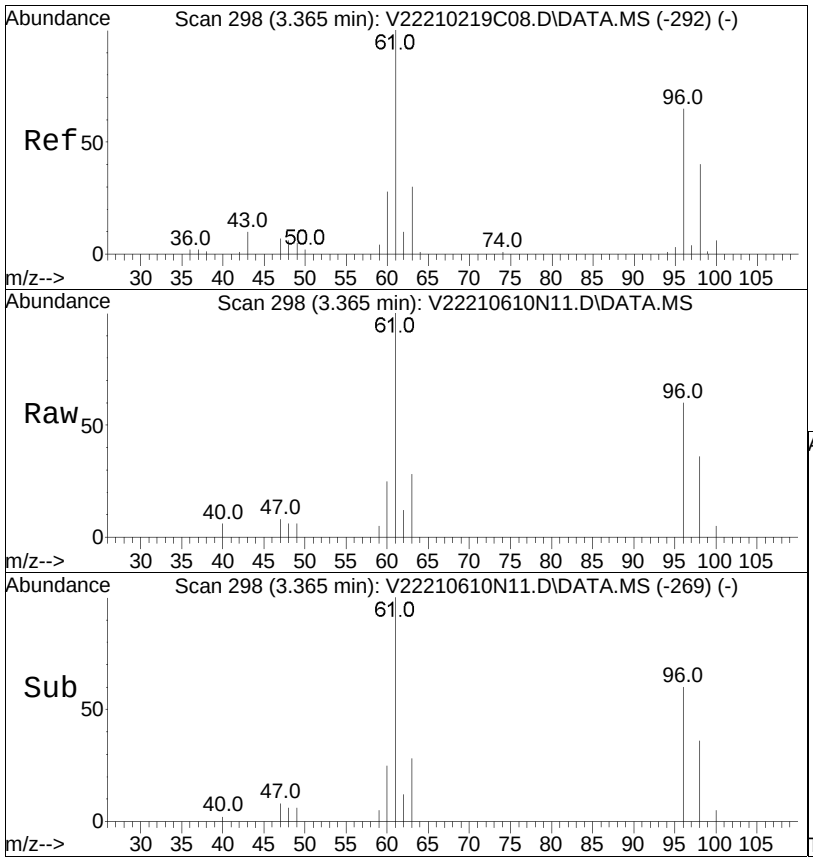
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N11.D
Acq On : 11 Jun 2021 12:18 am
Operator : VOA122:NLK
Sample : L2129111-04,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 11 11:54:50 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10610N\V22210610N01.D•

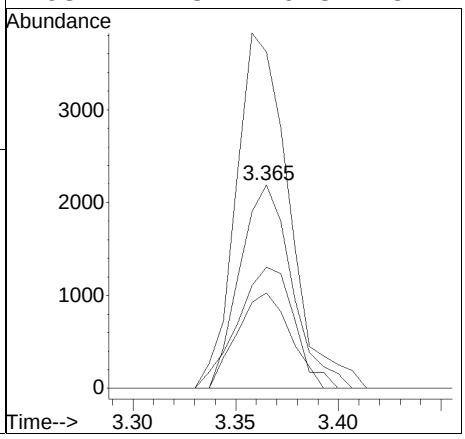


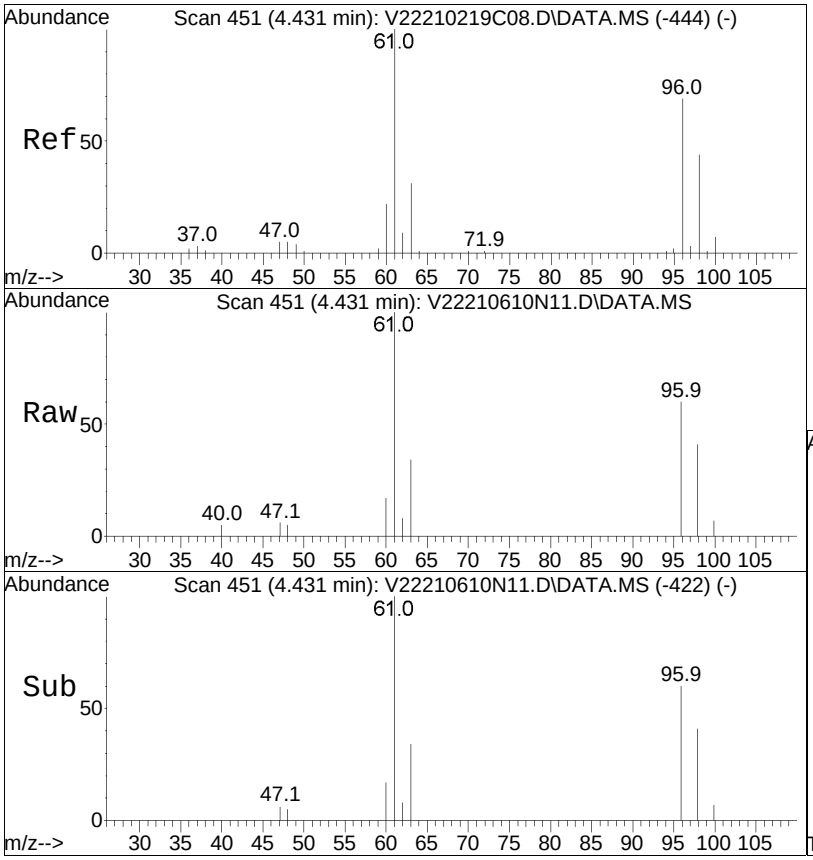


#18
trans-1,2-Dichloroethene
Concen: 0.93 ug/L
RT: 3.365 min Scan# 298
Delta R.T. -0.000 min
Lab File: V22210610N11.D
Acq: 11 Jun 2021 12:18 am

Tgt Ion: 96 Resp: 3870

Ion	Ratio	Lower	Upper
96	100		
61	176.8	81.6	169.6#
98	64.8	41.8	86.8
63	47.8	26.3	54.7

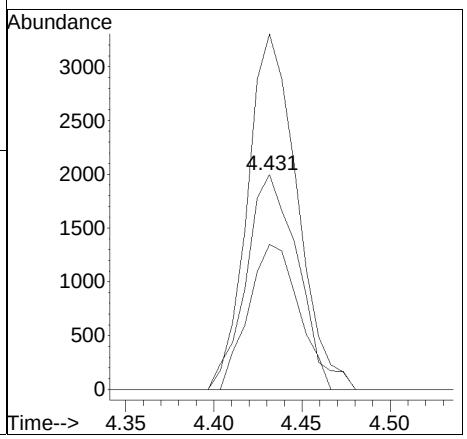


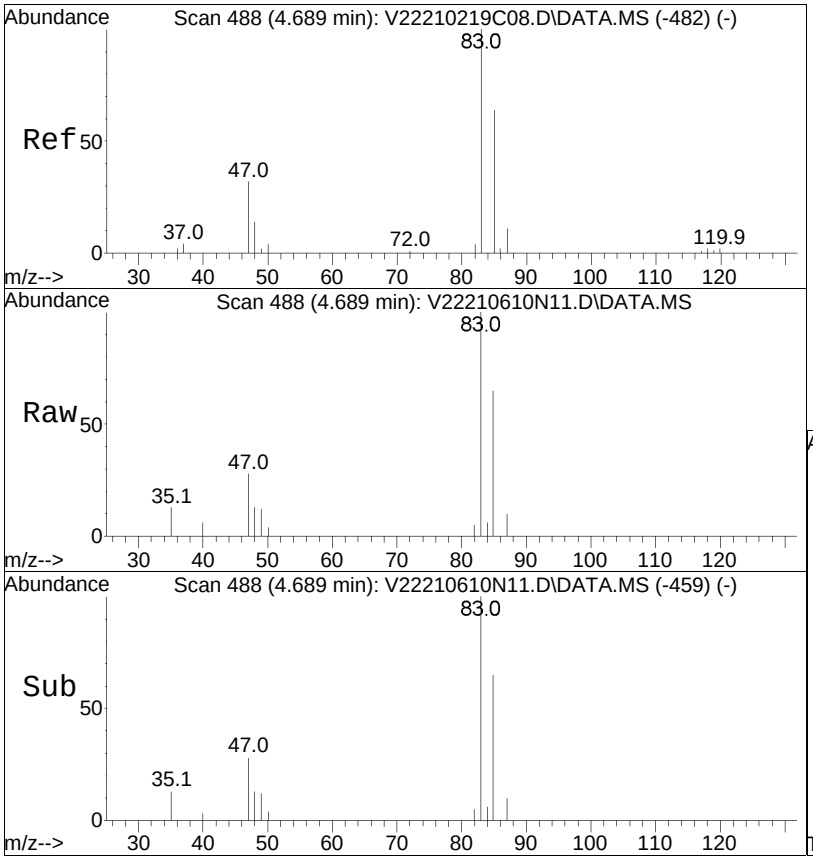


#30
cis-1,2-Dichloroethene
Concen: 0.88 ug/L
RT: 4.431 min Scan# 451
Delta R.T. -0.001 min
Lab File: V22210610N11.D
Acq: 11 Jun 2021 12:18 am

Tgt Ion: 96 Resp: 4139

Ion	Ratio	Lower	Upper
96	100		
61	156.0	90.3	135.5#
98	64.7	50.8	76.2

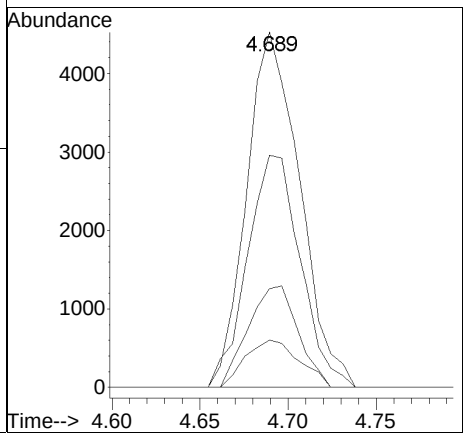


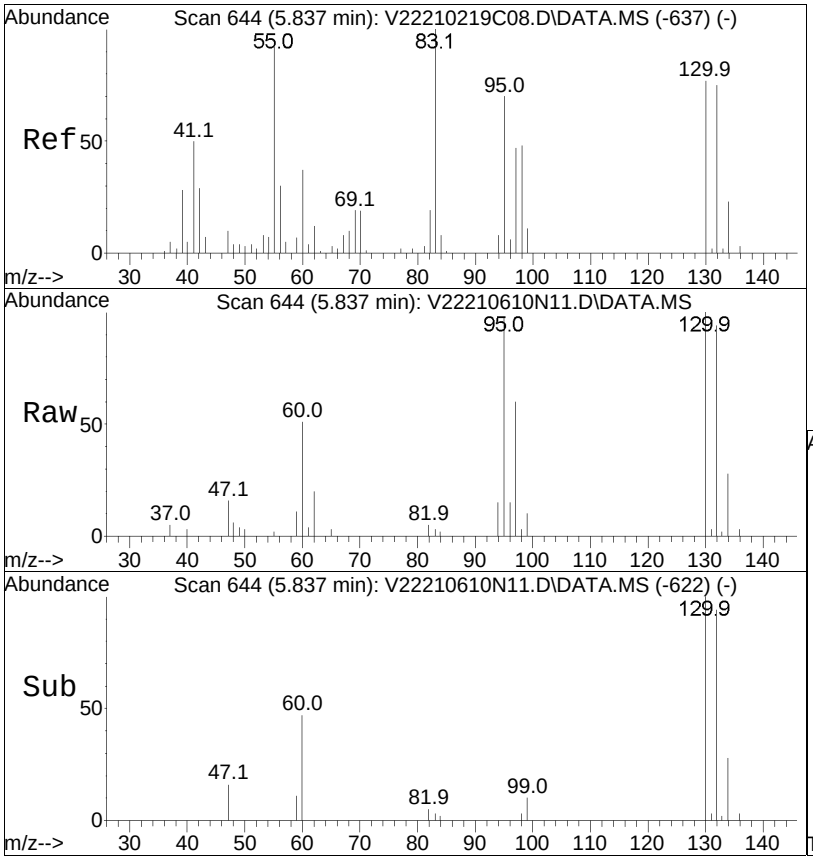


#34
Chloroform
Concen: 1.19 ug/L
RT: 4.689 min Scan# 488
Delta R.T. 0.000 min
Lab File: V22210610N11.D
Acq: 11 Jun 2021 12:18 am

Tgt Ion: 83 Resp: 9494

Ion	Ratio	Lower	Upper
83	100		
85	65.5	42.4	88.2
47	26.8	14.0	29.0
48	13.6	6.9	14.3

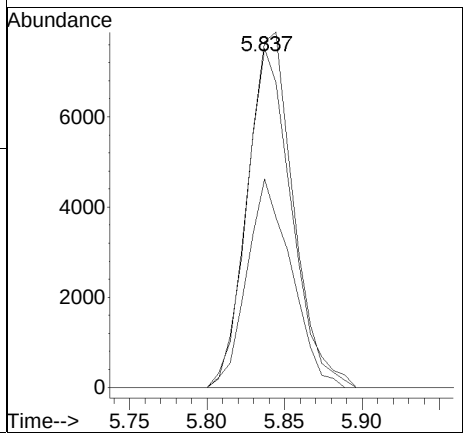


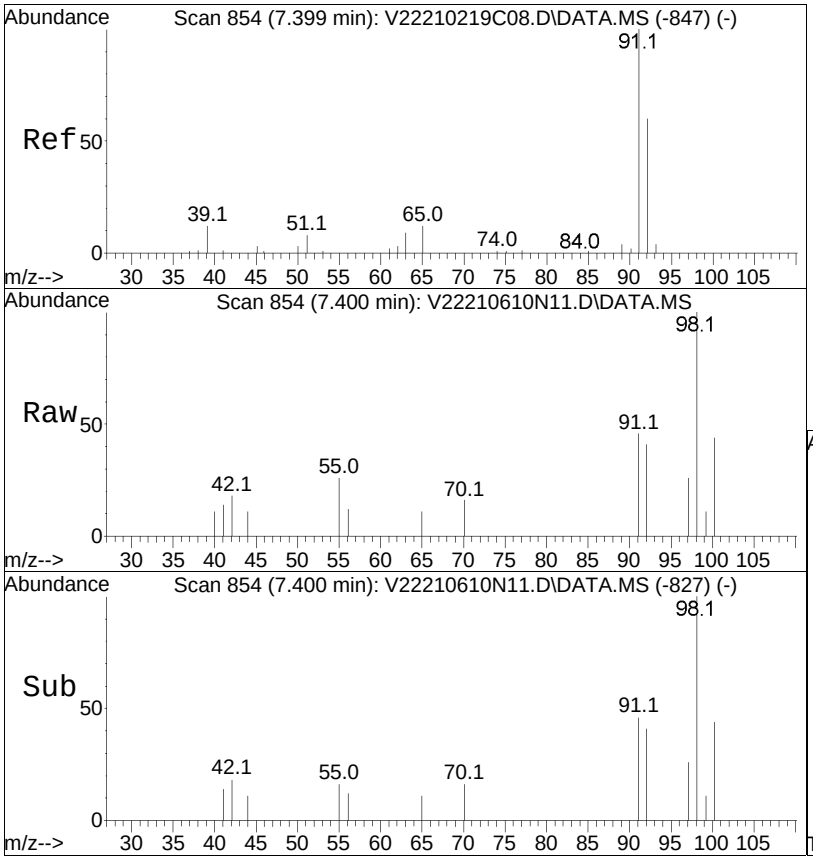


#51
Trichloroethene
Concen: 3.40 ug/L
RT: 5.837 min Scan# 644
Delta R.T. 0.000 min
Lab File: V22210610N11.D
Acq: 11 Jun 2021 12:18 am

Tgt Ion: 95 Resp: 15172

Ion	Ratio	Lower	Upper
95	100		
97	60.7	55.0	82.4
130	105.5	89.2	133.8

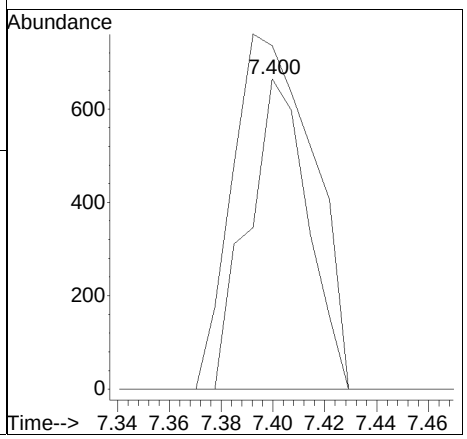


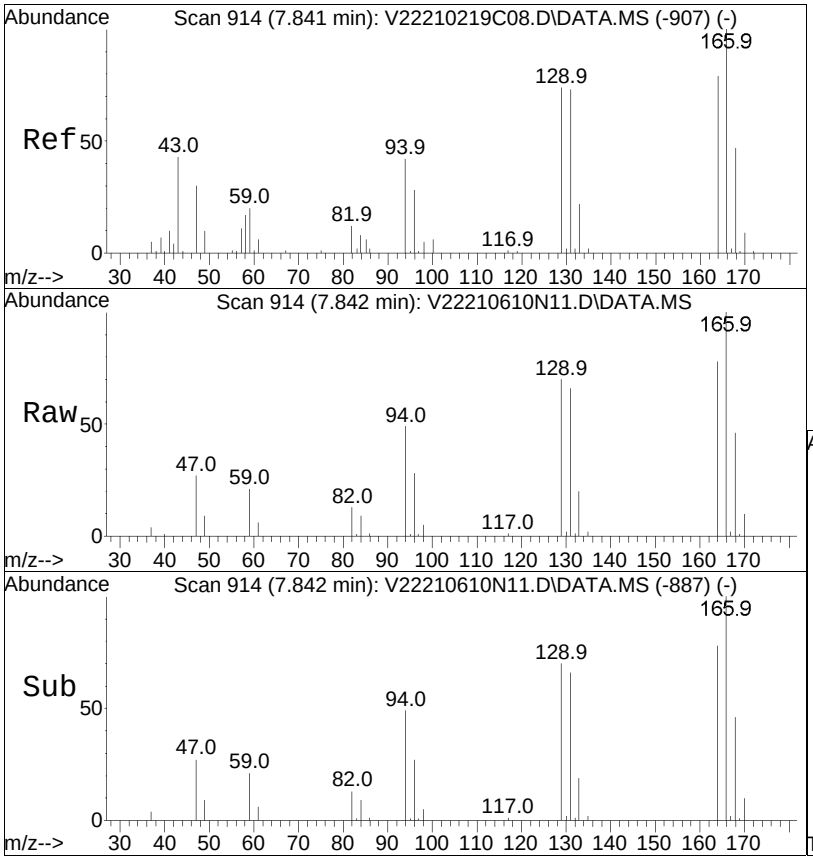


#64
Toluene
Concen: 0.09 ug/L
RT: 7.400 min Scan# 854
Delta R.T. -0.000 min
Lab File: V22210610N11.D
Acq: 11 Jun 2021 12:18 am

Tgt Ion: 92 Resp: 1063

Ion	Ratio	Lower	Upper
92	100		
91	154.4	137.0	205.6

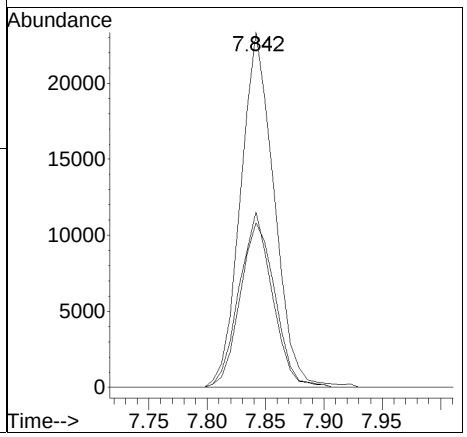


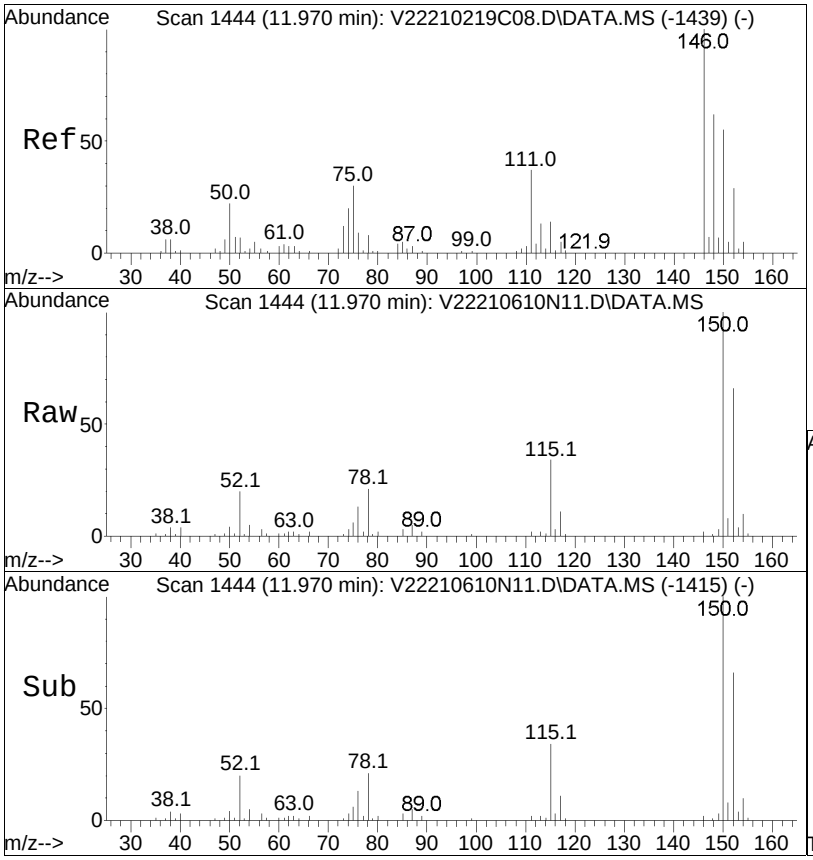


#66
Tetrachloroethene
Concen: 9.60 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210610N11.D
Acq: 11 Jun 2021 12:18 am

Tgt Ion:166 Resp: 46759

Ion	Ratio	Lower	Upper
166	100		
168	48.4	27.8	67.8
94	48.7	16.7	56.7

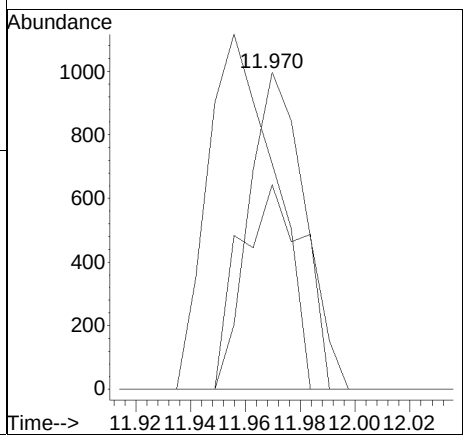




#105
1,4-Dichlorobenzene
Concen: 0.13 ug/L
RT: 11.970 min Scan# 1444
Delta R.T. -0.000 min
Lab File: V22210610N11.D
Acq: 11 Jun 2021 12:18 am

Tgt Ion:146 Resp: 1405

Ion	Ratio	Lower	Upper
146	100		
111	133.5	28.9	43.3#
148	75.0	51.4	77.2



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2Q	Method	: V122_210420N_8260.m
Data File	: V22210610N11.D	Operator	: VOA122:NLK
Date Inj'd	: 6/11/2021 12:18 am	Instrument	: VOA122
Sample	: L2129111-04,31,10,10,,A,PR	Quant Date	: 6/11/2021 11:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N12.D
Acq On : 11 Jun 2021 12:44 am
Operator : VOA122:NLK
Sample : L2129111-05,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 11:55:16 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.667	96	228505	10.000 ug/L	0.00
Standard Area 1 = 227181			Recovery = 100.58%		
62) Chlorobenzene-d5	9.170	117	182295	10.000 ug/L	0.00
Standard Area 1 = 171867			Recovery = 106.07%		
83) 1,4-Dichlorobenzene-d4	11.956	152	102942	10.000 ug/L	0.00
Standard Area 1 = 97920			Recovery = 105.13%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	70217	11.654 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.54%		
46) 1,2-Dichloroethane-d4	5.379	65	88024	12.346 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 123.46%		
63) Toluene-d8	7.341	98	217683	9.425 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.25%		
87) 4-Bromofluorobenzene	10.708	95	90067	9.060 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.60%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.717	76	585	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.274	43	371	Below Cal #	46
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	4.445	96	639	0.136 ug/L #	56
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N12.D
Acq On : 11 Jun 2021 12:44 am
Operator : VOA122:NLK
Sample : L2129111-05,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 11:55:16 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
42) 1,1-Dichloropropene	0.000		0	N.D.		
44) Benzene	5.246	78	1599	0.095	ug/L #	78
47) 1,2-Dichloroethane	0.000		0	N.D.		
51) Trichloroethene	5.844	95	1839	0.413	ug/L	86
53) Dibromomethane	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	7.400	92	1391	0.123	ug/L	98
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	7.849	166	450	0.099	ug/L #	51
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
73) 1,3-Dichloropropane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.241	91	1272	N.D.		
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
80) p/m Xylene	9.431	106	365	N.D.		
81) o Xylene	9.970	106	632	0.077	ug/L	96
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	10.375	105	8079	0.330	ug/L	92
88) Bromobenzene	0.000		0	N.D.		
89) n-Propylbenzene	10.882	91	6026	0.197	ug/L	93
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
92) 4-Ethyltoluene	11.017	105	762	N.D.		
93) 2-Chlorotoluene	0.000		0	N.D.	d	
94) 1,3,5-Trimethylbenzene	11.017	105	762	N.D.		
95) 1,2,3-Trichloropropane	0.000		0	N.D.		
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
97) 4-Chlorotoluene	11.350	91	325	N.D.		
98) tert-Butylbenzene	11.469	119	5210	0.277	ug/L	98

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N12.D
Acq On : 11 Jun 2021 12:44 am
Operator : VOA122:NLK
Sample : L2129111-05,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 11:55:16 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
101) 1,2,4-Trimethylbenzene	11.545	105	648	N.D.			
102) sec-Butylbenzene	11.663	105	30735	1.315	ug/L		90
103) p-Isopropyltoluene	11.824	119	347	N.D.			
104) 1,3-Dichlorobenzene	11.963	146	661	N.D.			
105) 1,4-Dichlorobenzene	11.963	146	661	N.D.			
106) p-Diethylbenzene	12.206	119	6243	0.509	ug/L		88
107) n-Butylbenzene	12.262	91	4391	0.228	ug/L		92
108) 1,2-Dichlorobenzene	0.000		0	N.D.			
109) 1,2,4,5-Tetramethylben...	13.007	119	8998	0.516	ug/L	#	87
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
112) Hexachlorobutadiene	0.000		0	N.D.			
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
114) Naphthalene	14.128	128	11707	0.884	ug/L		100
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.			

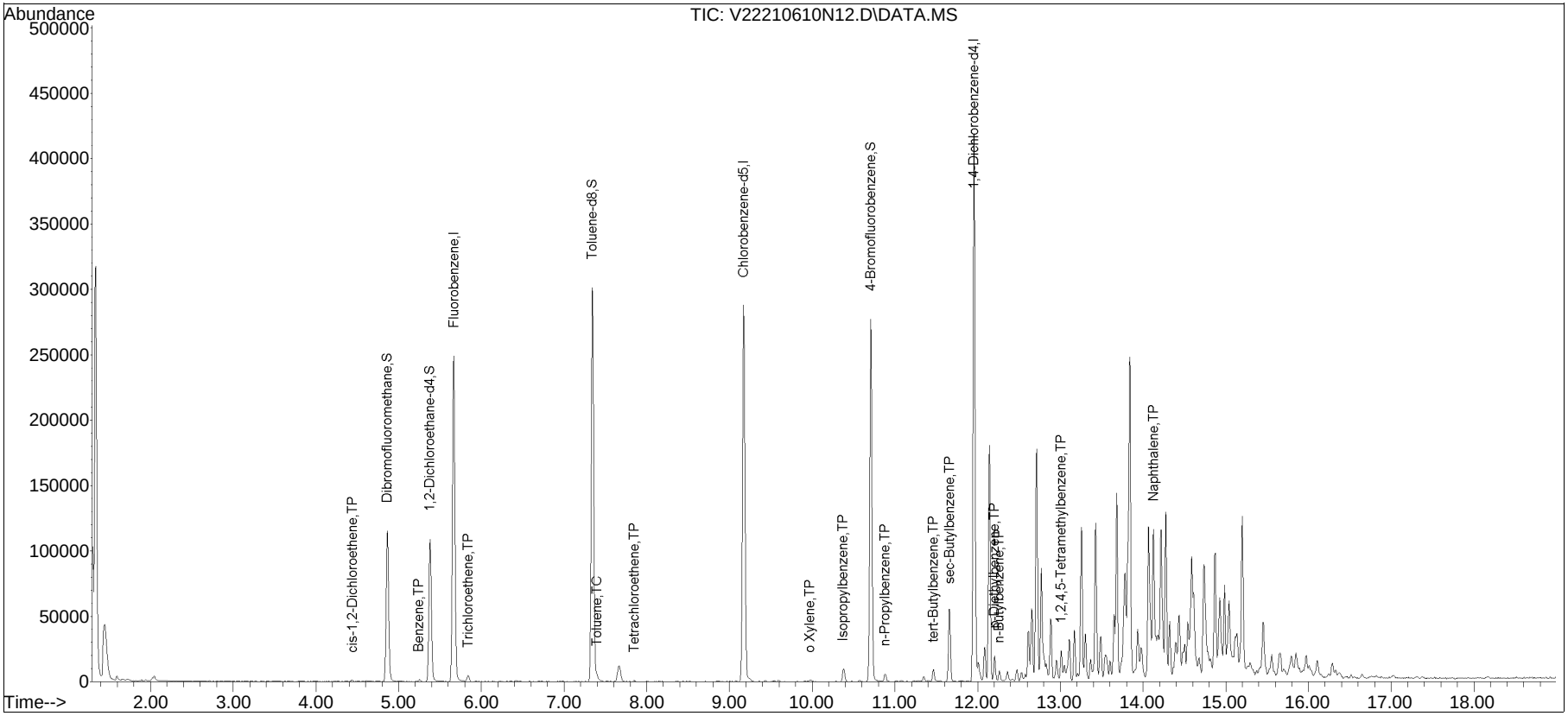
(#) = qualifier out of range (m) = manual integration (+) = signals summed

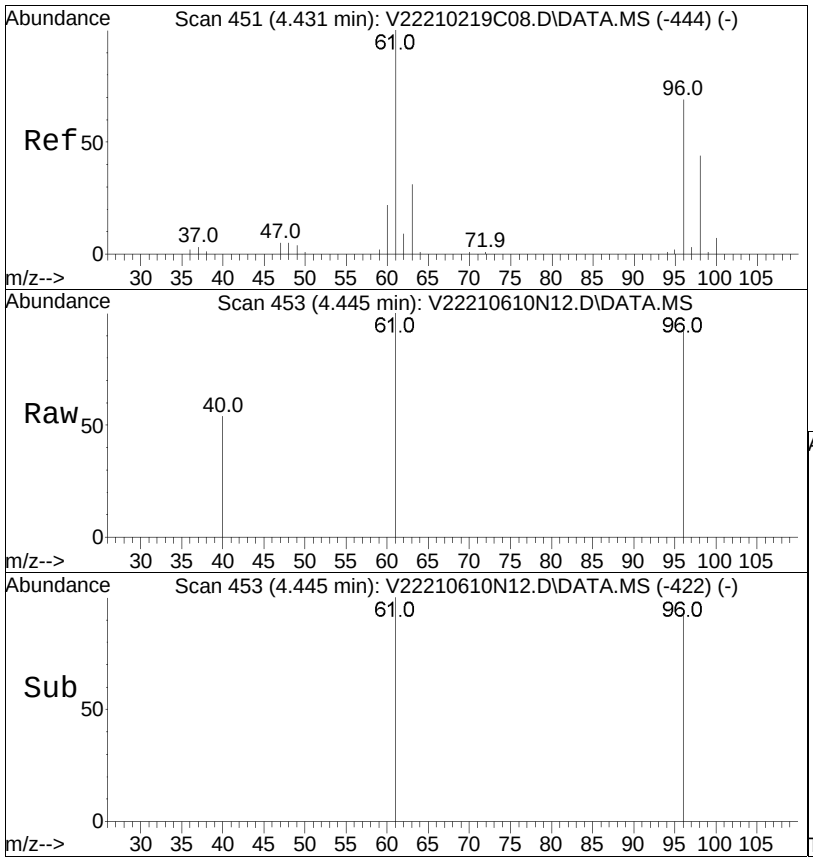
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N12.D
Acq On : 11 Jun 2021 12:44 am
Operator : VOA122:NLK
Sample : L2129111-05,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 11:55:16 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10610N\V22210610N01.D•

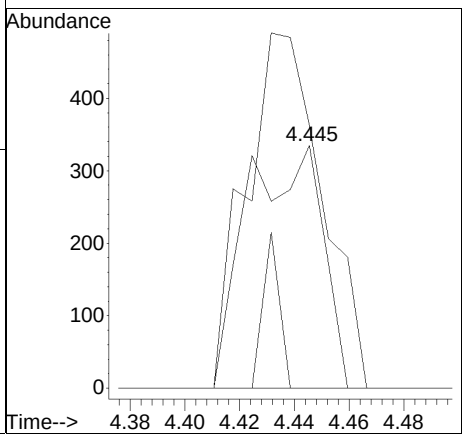


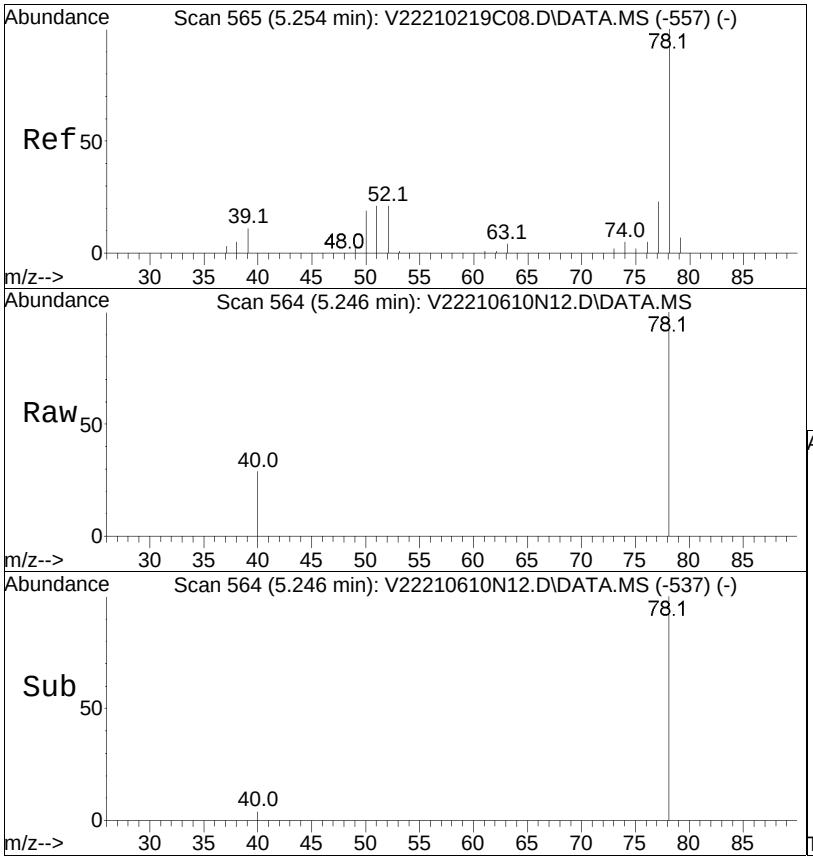


#30
cis-1,2-Dichloroethene
Concen: 0.14 ug/L
RT: 4.445 min Scan# 453
Delta R.T. 0.013 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion: 96 Resp: 639

Ion	Ratio	Lower	Upper
96	100		
61	147.7	90.3	135.5#
98	14.1	50.8	76.2#

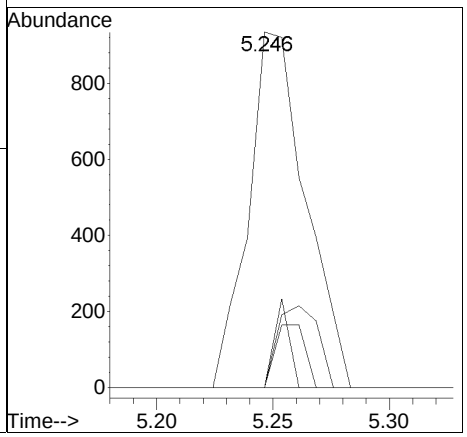


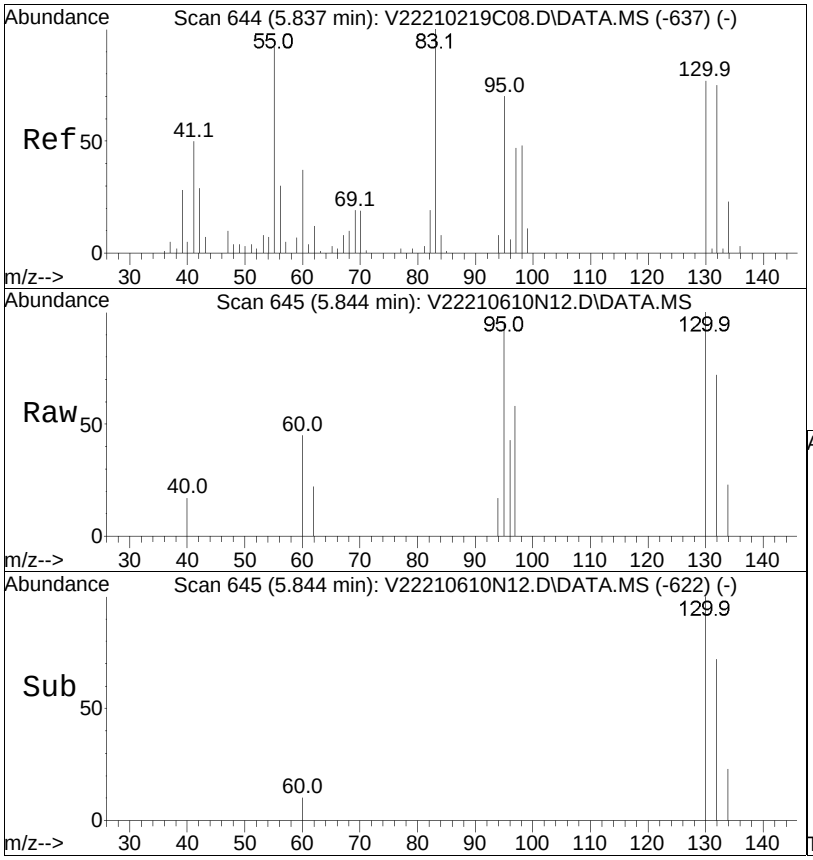


#44
Benzene
Concen: 0.10 ug/L
RT: 5.246 min Scan# 564
Delta R.T. 0.000 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion: 78 Resp: 1599

Ion	Ratio	Lower	Upper
78	100		
77	16.1	15.4	32.0
51	0.0	9.8	20.4#
52	6.4	9.2	19.2#

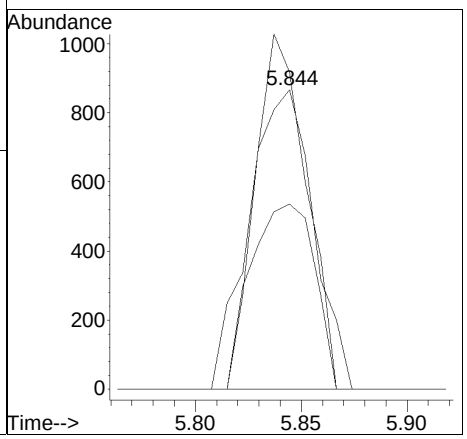


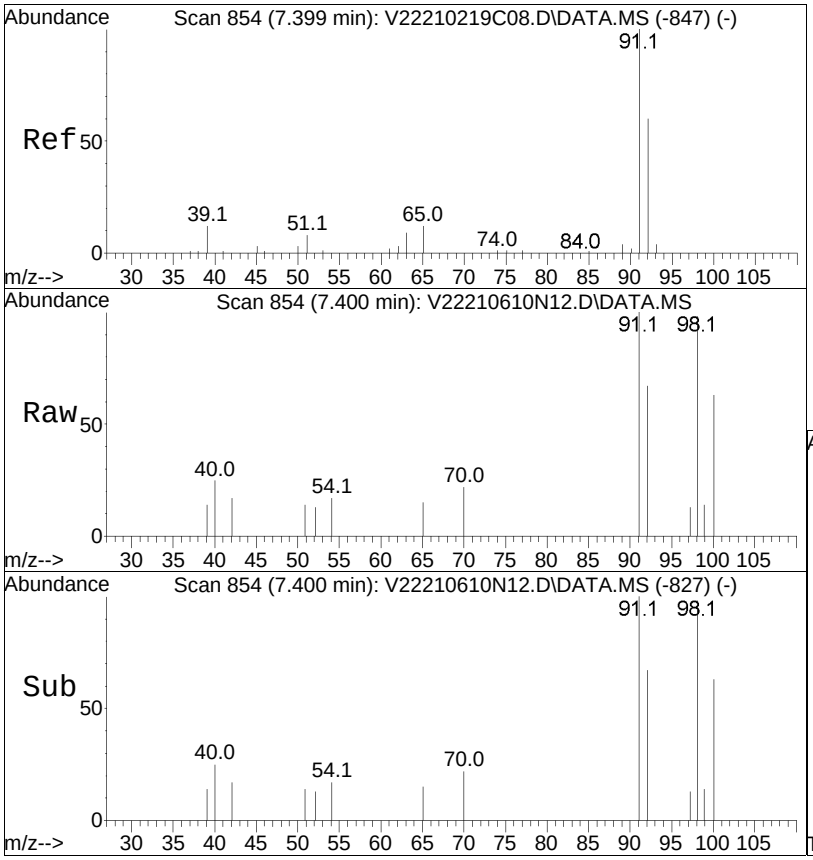


#51
Trichloroethene
Concen: 0.41 ug/L
RT: 5.844 min Scan# 645
Delta R.T. 0.007 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion: 95 Resp: 1839

Ion	Ratio	Lower	Upper
95	100		
97	61.1	55.0	82.4
130	94.0	89.2	133.8

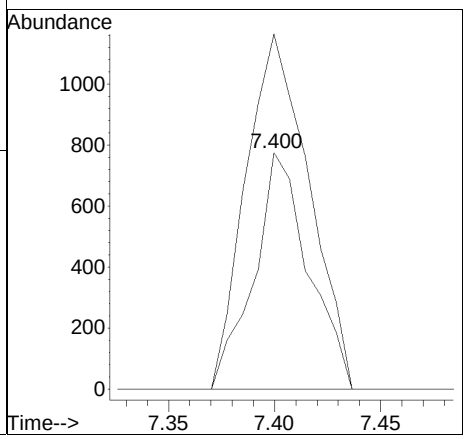


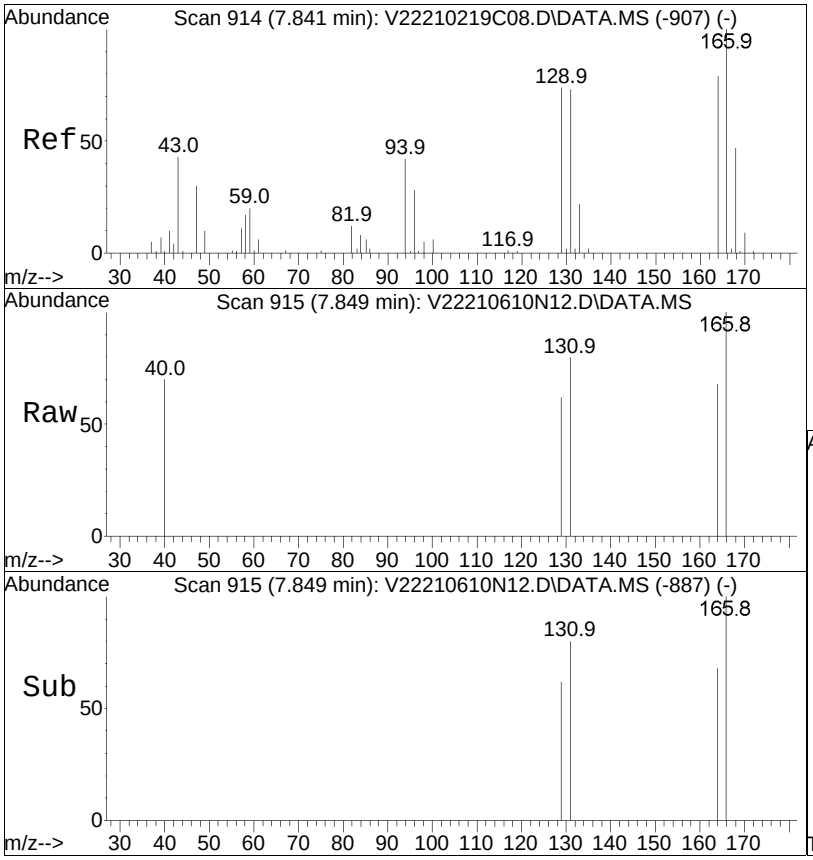


#64
Toluene
Concen: 0.12 ug/L
RT: 7.400 min Scan# 854
Delta R.T. -0.000 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion: 92 Resp: 1391

Ion	Ratio	Lower	Upper
92	100		
91	173.6	137.0	205.6

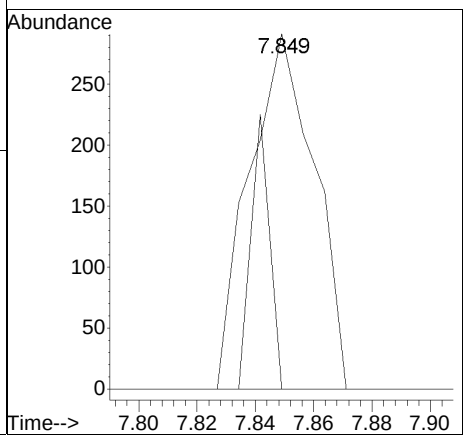


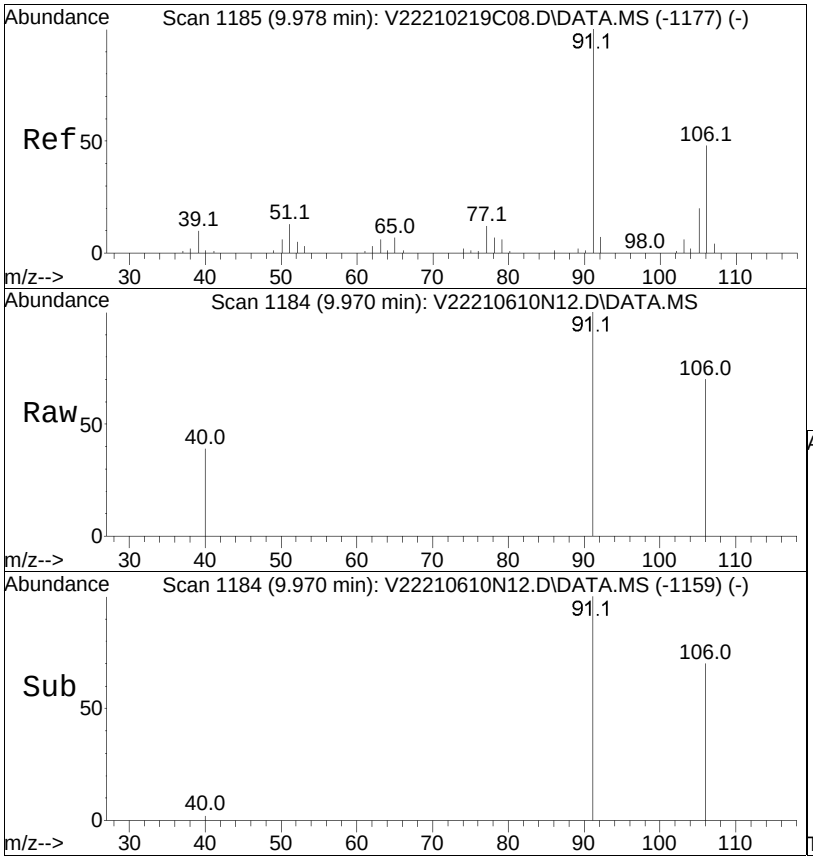


#66
Tetrachloroethene
Concen: 0.10 ug/L
RT: 7.849 min Scan# 915
Delta R.T. 0.007 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion:166 Resp: 450

Ion	Ratio	Lower	Upper
166	100		
168	22.0	27.8	67.8#
94	0.0	16.7	56.7#

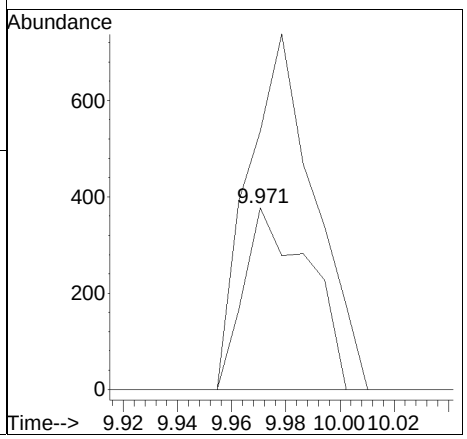


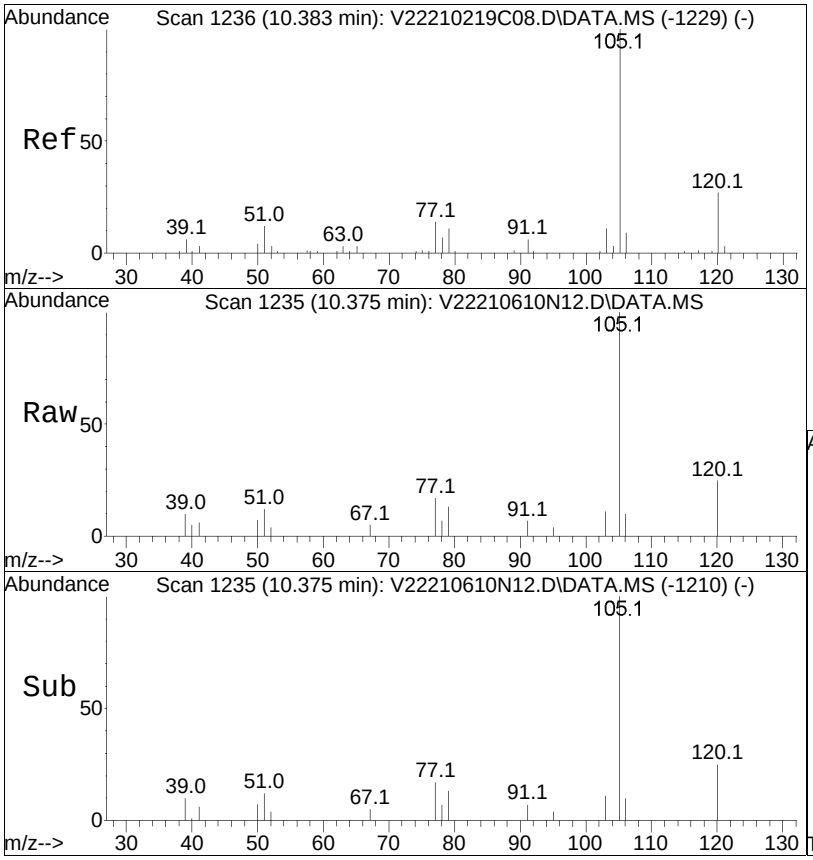


#81
o Xylene
Concen: 0.08 ug/L
RT: 9.970 min Scan# 1184
Delta R.T. -0.001 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion:106 Resp: 632

Ion	Ratio	Lower	Upper
106	100		
91	199.2	164.0	246.0

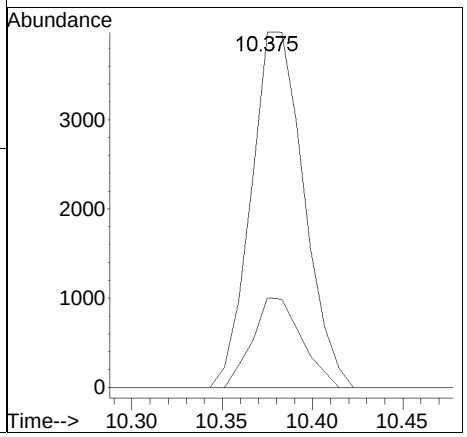


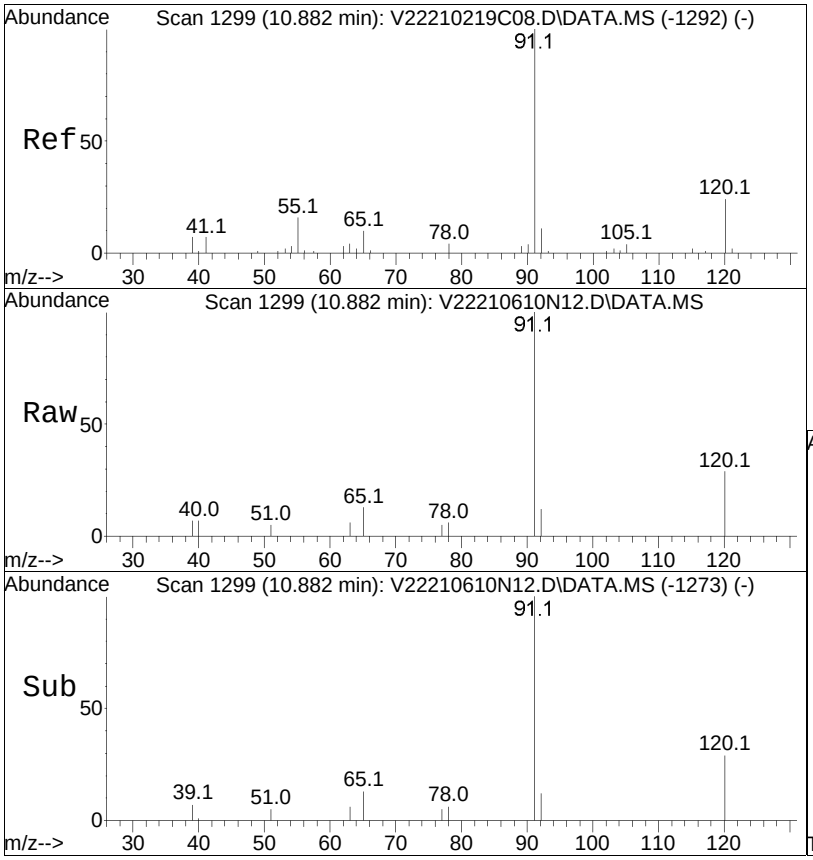


#86
Isopropylbenzene
Concen: 0.33 ug/L
RT: 10.375 min Scan# 1235
Delta R.T. -0.000 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion:105 Resp: 8079

Ion	Ratio	Lower	Upper
105	100		
120	23.4	7.7	47.7

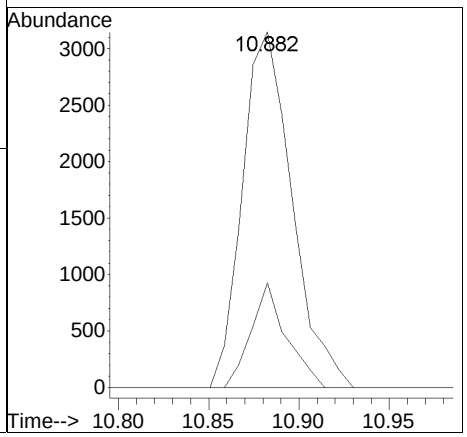


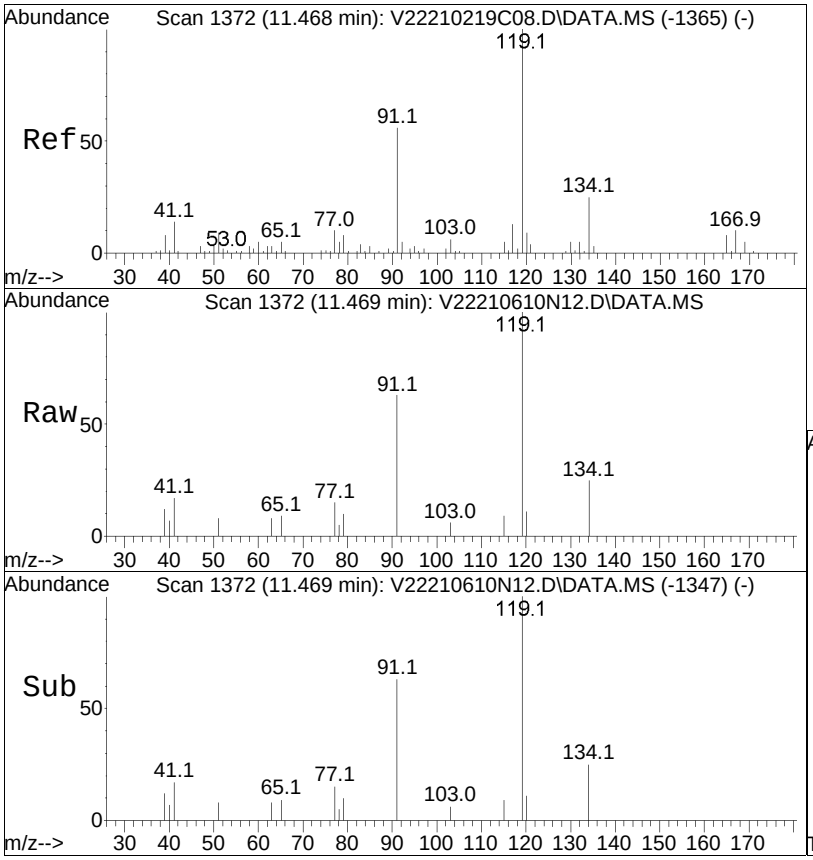


#89
n-Propylbenzene
Concen: 0.20 ug/L
RT: 10.882 min Scan# 1299
Delta R.T. 0.007 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion: 91 Resp: 6026

Ion	Ratio	Lower	Upper
91	100		
120	20.9	19.5	29.3

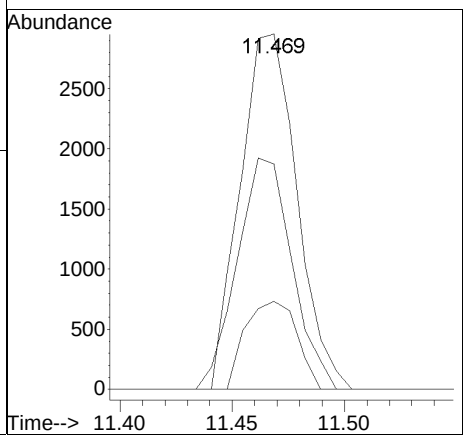


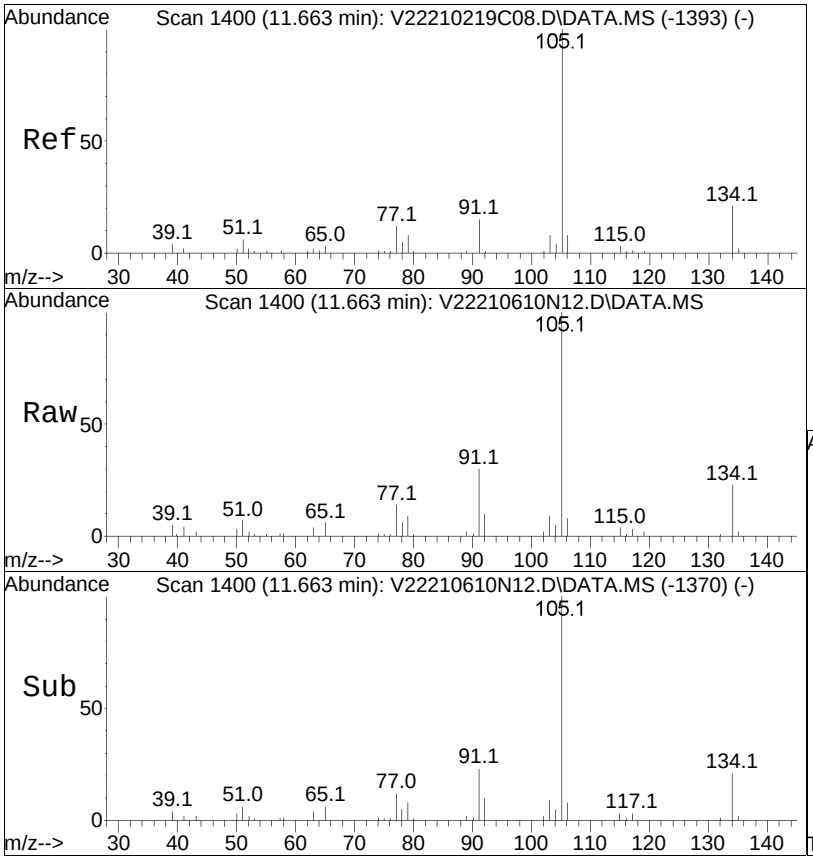


#98
tert-Butylbenzene
Concen: 0.28 ug/L
RT: 11.469 min Scan# 1372
Delta R.T. 0.007 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion:119 Resp: 5210

Ion	Ratio	Lower	Upper
119	100		
91	62.7	50.2	75.4
134	22.5	20.8	31.2

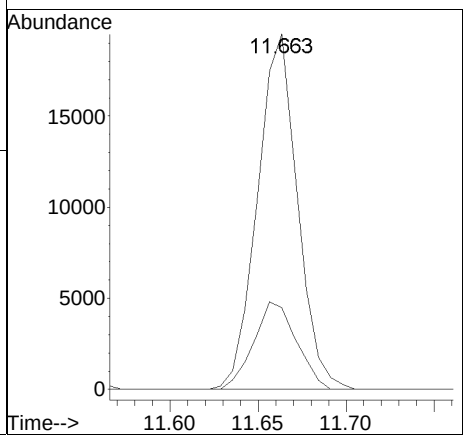


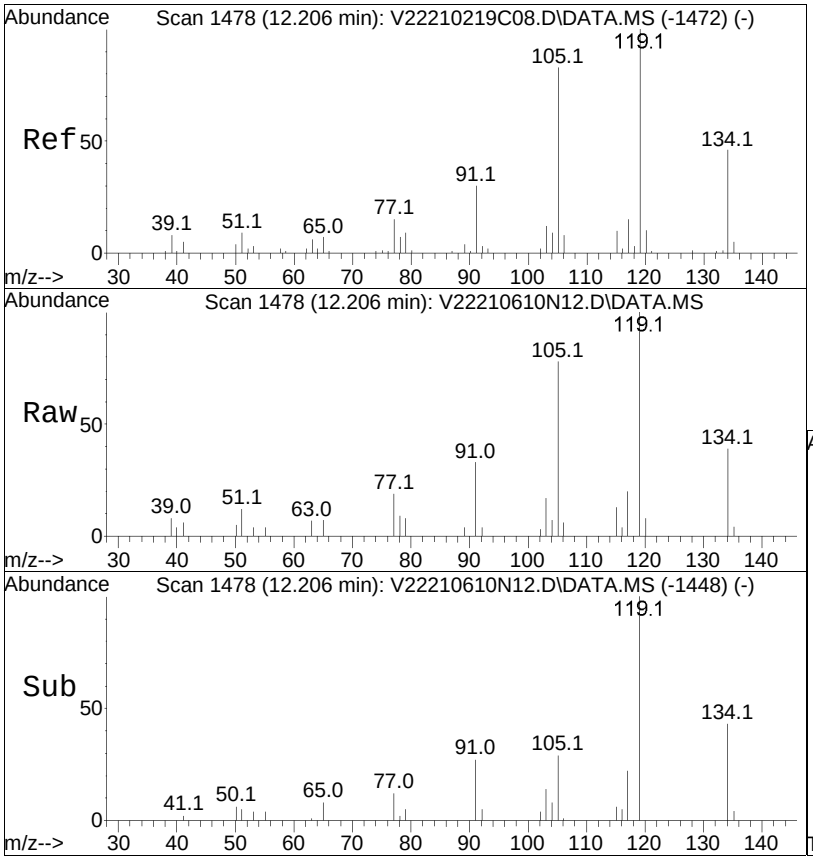


#102
sec-Butylbenzene
Concen: 1.31 ug/L
RT: 11.663 min Scan# 1400
Delta R.T. 0.006 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion:105 Resp: 30735

Ion	Ratio	Lower	Upper
105	100		
134	26.3	13.9	28.9

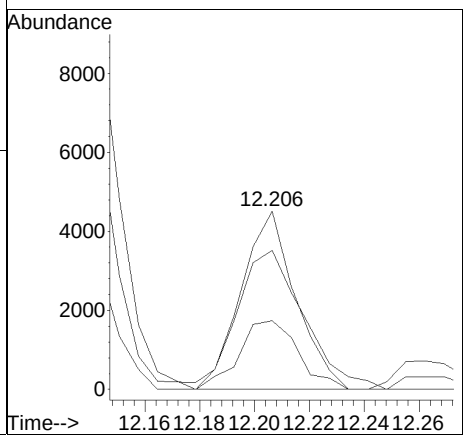


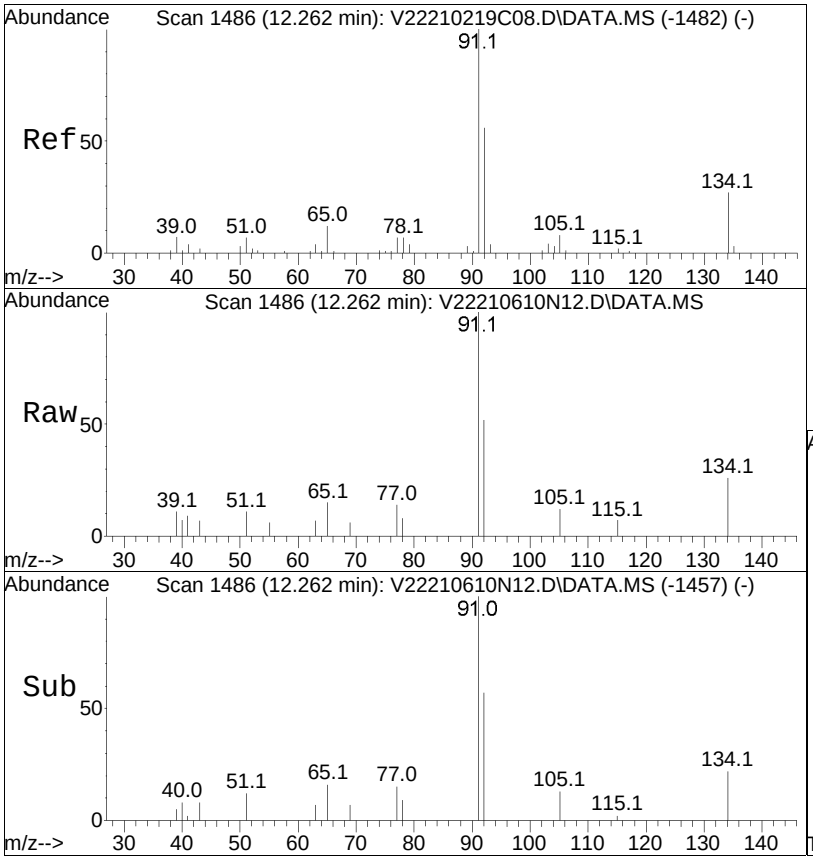


#106
p-Diethylbenzene
Concen: 0.51 ug/L
RT: 12.206 min Scan# 1478
Delta R.T. 0.006 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion:119 Resp: 6243

Ion	Ratio	Lower	Upper
119	100		
105	94.9	53.4	110.8
134	41.9	30.9	64.1

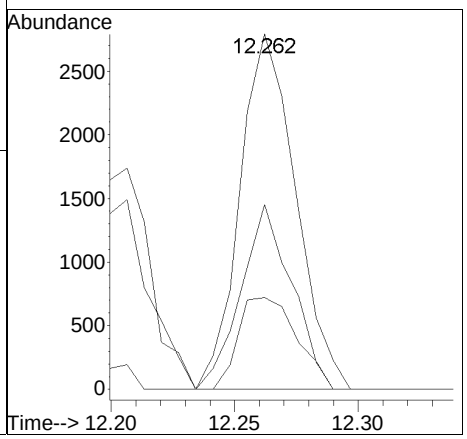


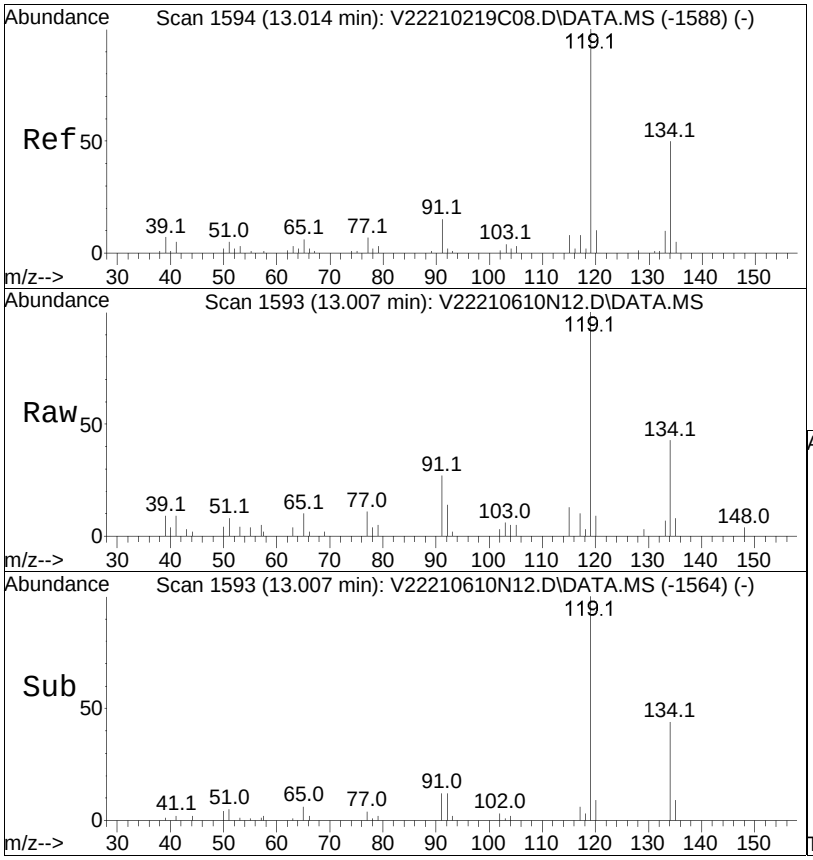


#107
n-Butylbenzene
Concen: 0.23 ug/L
RT: 12.262 min Scan# 1486
Delta R.T. 0.000 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion: 91 Resp: 4391

Ion	Ratio	Lower	Upper
91	100		
92	47.3	44.6	66.8
134	27.2	22.9	34.3

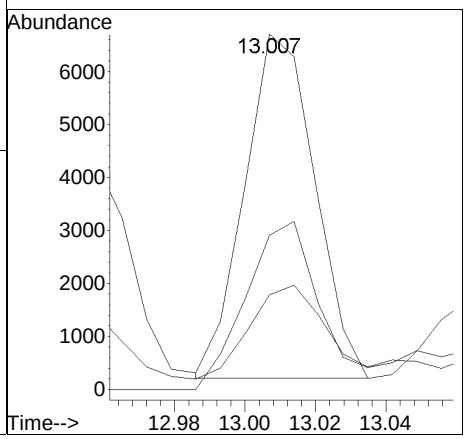


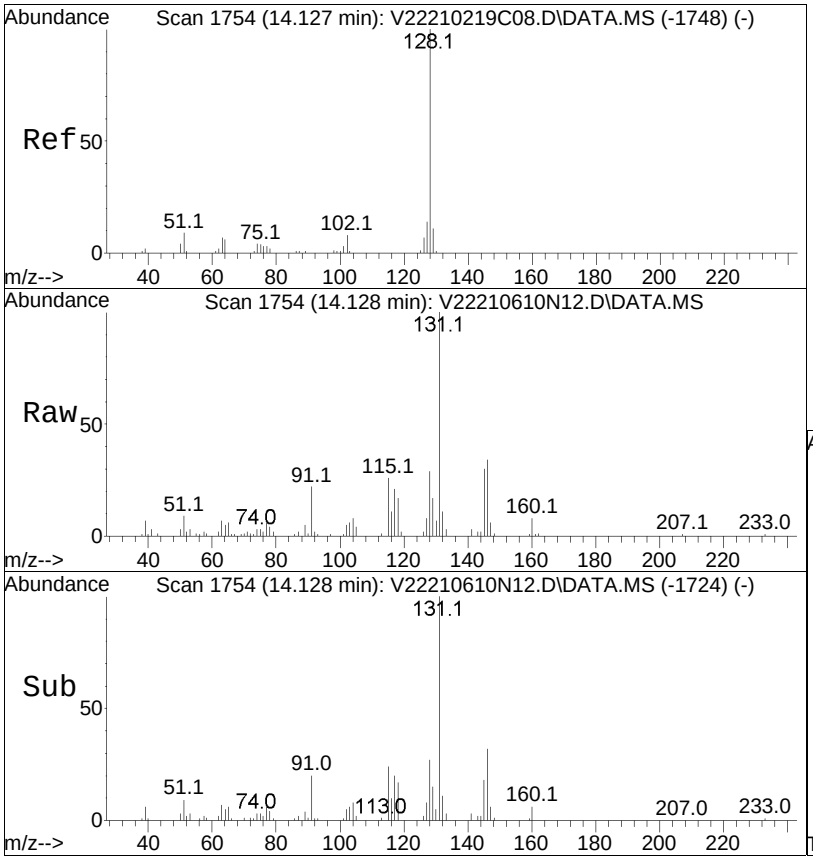


#109
1,2,4,5-Tetramethylbenzene
Concen: 0.52 ug/L
RT: 13.007 min Scan# 1593
Delta R.T. -0.000 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion:119 Resp: 8998

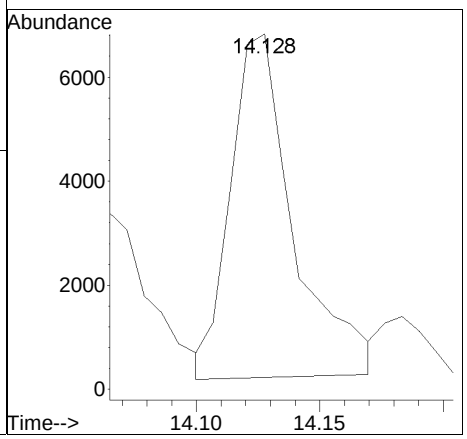
Ion	Ratio	Lower	Upper
119	100		
134	51.4	31.9	66.1
91	33.5	9.8	20.3#





#114
Naphthalene
Concen: 0.88 ug/L
RT: 14.128 min Scan# 1754
Delta R.T. 0.007 min
Lab File: V22210610N12.D
Acq: 11 Jun 2021 12:44 am

Tgt Ion:128 Resp: 11707

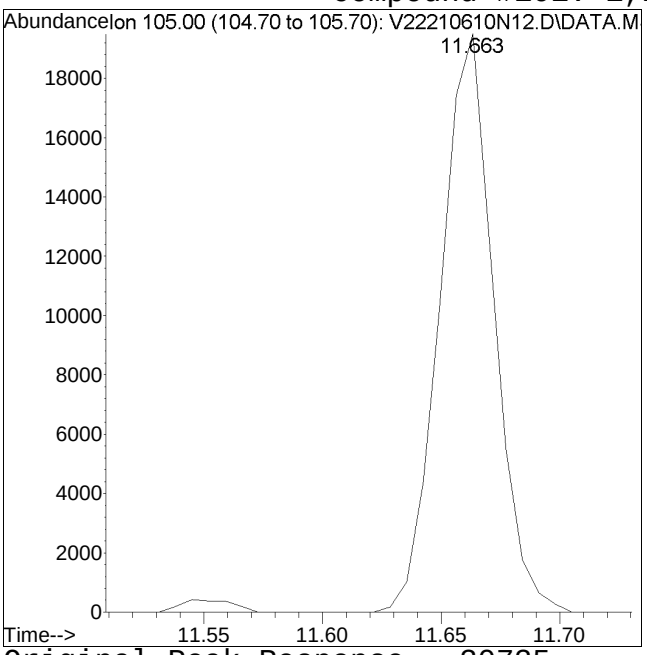


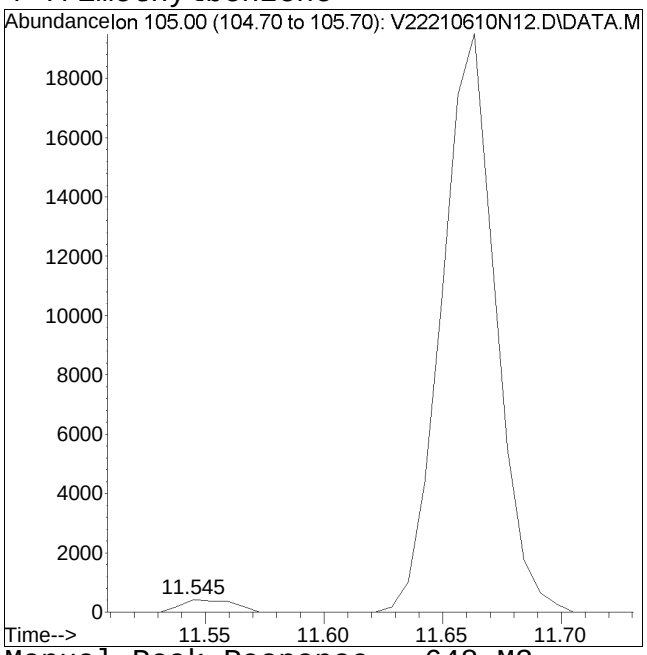
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2Q
Data File : V22210610N12.D
Date Inj'd : 6/11/2021 12:44 am
Sample : L2129111-05,31,10,10,,A,PR

Method : V122_210420N_8260.m
Operator : VOA122:NLK
Instrument : VOA122
Quant Date : 6/11/2021 11:44 am

Compound #101: 1,2,4-Trimethylbenzene





Original Peak Response = 30735 Manual Peak Response = 648 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N13.D
Acq On : 11 Jun 2021 01:10 am
Operator : VOA122:NLK
Sample : L2129111-06,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 12:56:51 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.667	96	238668	10.000 ug/L	0.00
Standard Area 1 = 227181			Recovery = 105.06%		
62) Chlorobenzene-d5	9.170	117	183005	10.000 ug/L	0.00
Standard Area 1 = 171867			Recovery = 106.48%		
83) 1,4-Dichlorobenzene-d4	11.956	152	111132	10.000 ug/L	0.00
Standard Area 1 = 97920			Recovery = 113.49%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	71915	11.427 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.27%		
46) 1,2-Dichloroethane-d4	5.379	65	90330	12.130 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 121.30%		
63) Toluene-d8	7.341	98	221276	9.543 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.43%		
87) 4-Bromofluorobenzene	10.708	95	98227	9.153 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.53%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	1.699	62	322	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.717	76	486	N.D.	
15) Methylene chloride	3.218	84	66	N.D.	
17) Acetone	3.267	43	435	Below Cal #	46
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D. d	
29) Vinyl acetate	0.000		0	N.D. d	
30) cis-1,2-Dichloroethene	4.431	96	2530	0.515 ug/L #	78
31) 2,2-Dichloropropane	4.634	77	290	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	4.689	83	510	N.D.	

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N13.D
Acq On : 11 Jun 2021 01:10 am
Operator : VOA122:NLK
Sample : L2129111-06,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 12:56:51 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.	d	
42) 1,1-Dichloropropene	0.000		0	N.D.		
44) Benzene	5.254	78	1609	0.092	ug/L #	76
47) 1,2-Dichloroethane	0.000		0	N.D.		
51) Trichloroethene	5.837	95	3852	0.828	ug/L #	82
53) Dibromomethane	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	7.407	92	640	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	7.849	166	1543	0.337	ug/L	92
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
72) Chlorodibromomethane	0.000		0	N.D.		
73) 1,3-Dichloropropane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.241	91	173736	7.828	ug/L	96
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
80) p/m Xylene	9.431	106	781	0.090	ug/L #	1
81) o Xylene	9.963	106	570	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	10.383	105	268585	10.151	ug/L	96
88) Bromobenzene	0.000		0	N.D.		
89) n-Propylbenzene	10.882	91	397725	12.049	ug/L	96
91) 1,1,2,2-Tetrachloroethane	10.906	83	198	N.D.		
92) 4-Ethyltoluene	11.017	105	17478M1	0.683	ug/L	
93) 2-Chlorotoluene	0.000		0	N.D.	d	
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.	d	
95) 1,2,3-Trichloropropane	0.000		0	N.D.		
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d	
97) 4-Chlorotoluene	11.350	91	1000	N.D.		
98) tert-Butylbenzene	11.462	119	13563	0.668	ug/L	92

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N13.D
Acq On : 11 Jun 2021 01:10 am
Operator : VOA122:NLK
Sample : L2129111-06,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 12:56:51 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
101) 1,2,4-Trimethylbenzene	11.552	105	2404M3	0.114	ug/L		
102) sec-Butylbenzene	11.663	105	99230	3.932	ug/L	#	83
103) p-Isopropyltoluene	11.823	119	10777	0.470	ug/L		97
104) 1,3-Dichlorobenzene	0.000		0	N.D.			
105) 1,4-Dichlorobenzene	0.000		0	N.D.			
106) p-Diethylbenzene	12.206	119	30674M3	2.317	ug/L		
107) n-Butylbenzene	12.262	91	51366	2.473	ug/L		97
108) 1,2-Dichlorobenzene	0.000		0	N.D.			
109) 1,2,4,5-Tetramethylben...	13.007	119	283969	15.083	ug/L		97
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
112) Hexachlorobutadiene	0.000		0	N.D.			
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
114) Naphthalene	14.121	128	2230915	155.975	ug/L		100
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.			

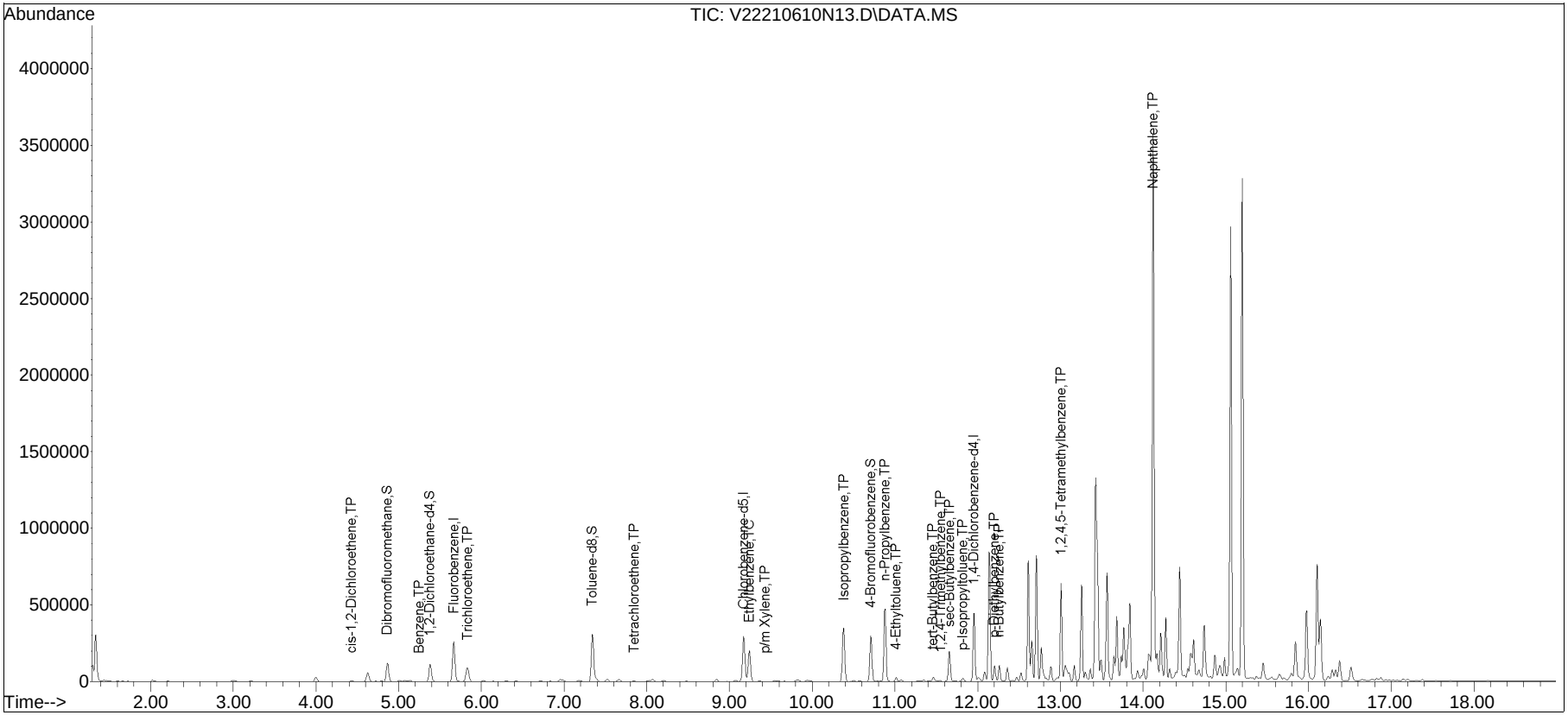
(#) = qualifier out of range (m) = manual integration (+) = signals summed

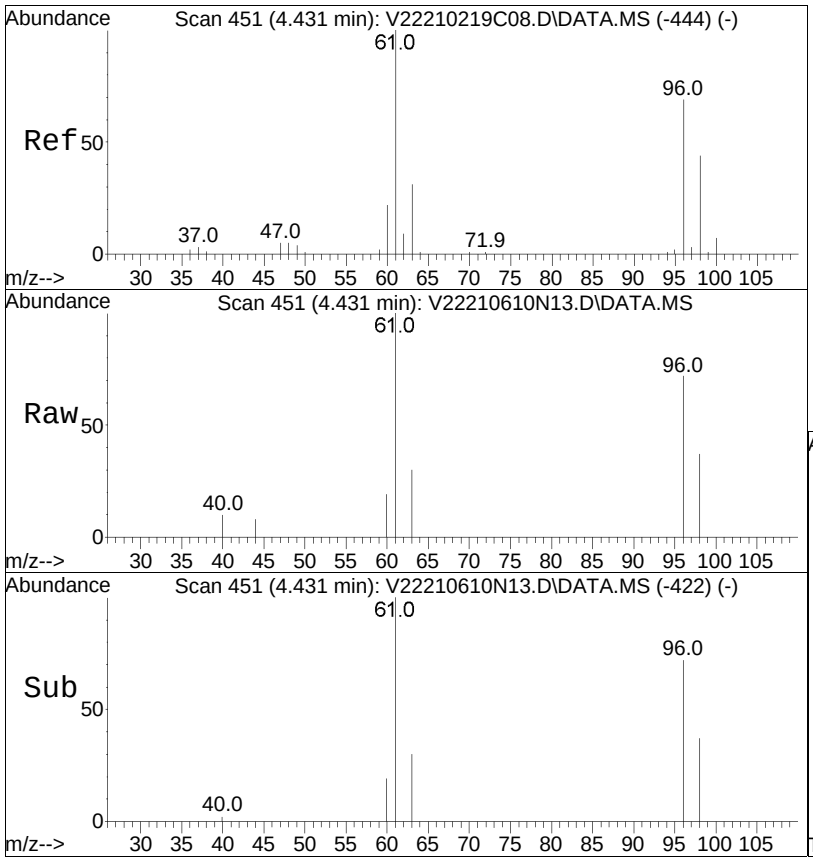
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N13.D
Acq On : 11 Jun 2021 01:10 am
Operator : VOA122:NLK
Sample : L2129111-06,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 12:56:51 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10610N\V22210610N01.D•

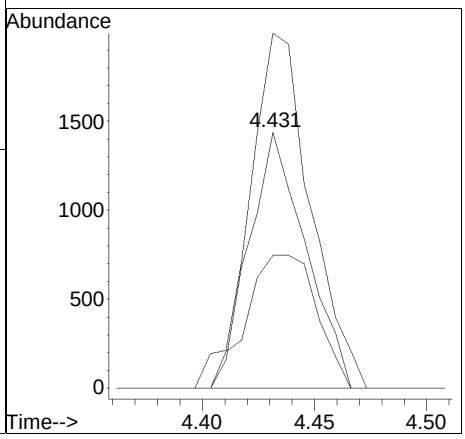


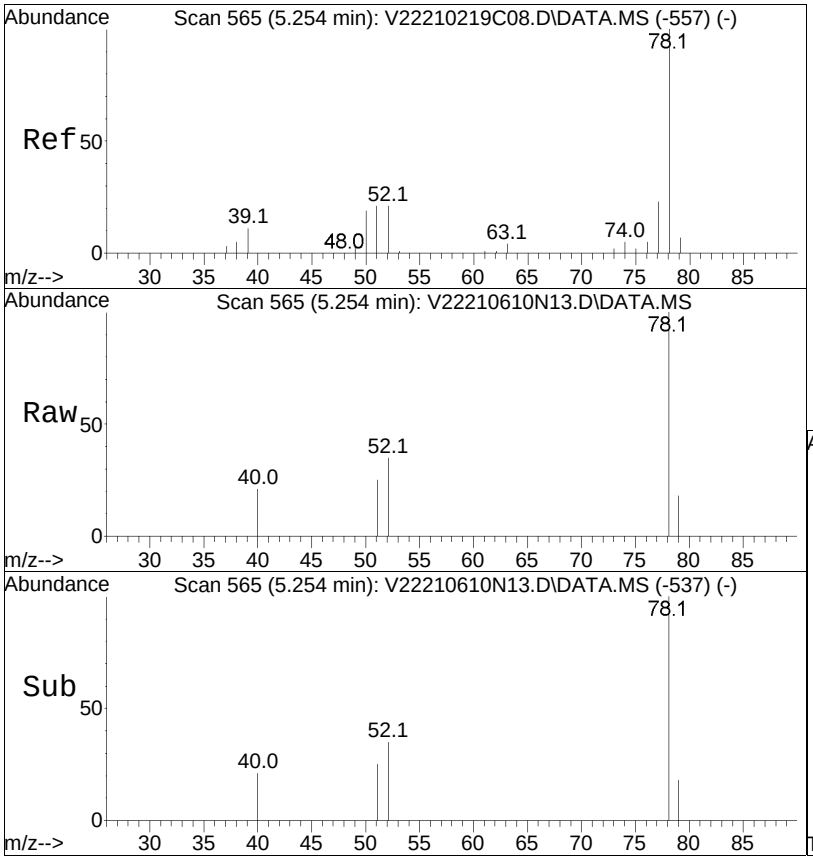


#30
cis-1,2-Dichloroethene
Concen: 0.51 ug/L
RT: 4.431 min Scan# 451
Delta R.T. -0.001 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion: 96 Resp: 2530

Ion	Ratio	Lower	Upper
96	100		
61	149.8	90.3	135.5#
98	63.7	50.8	76.2

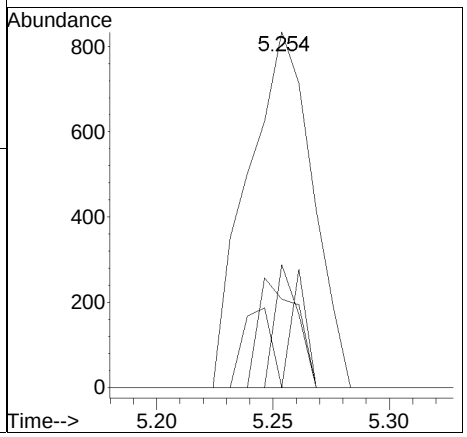


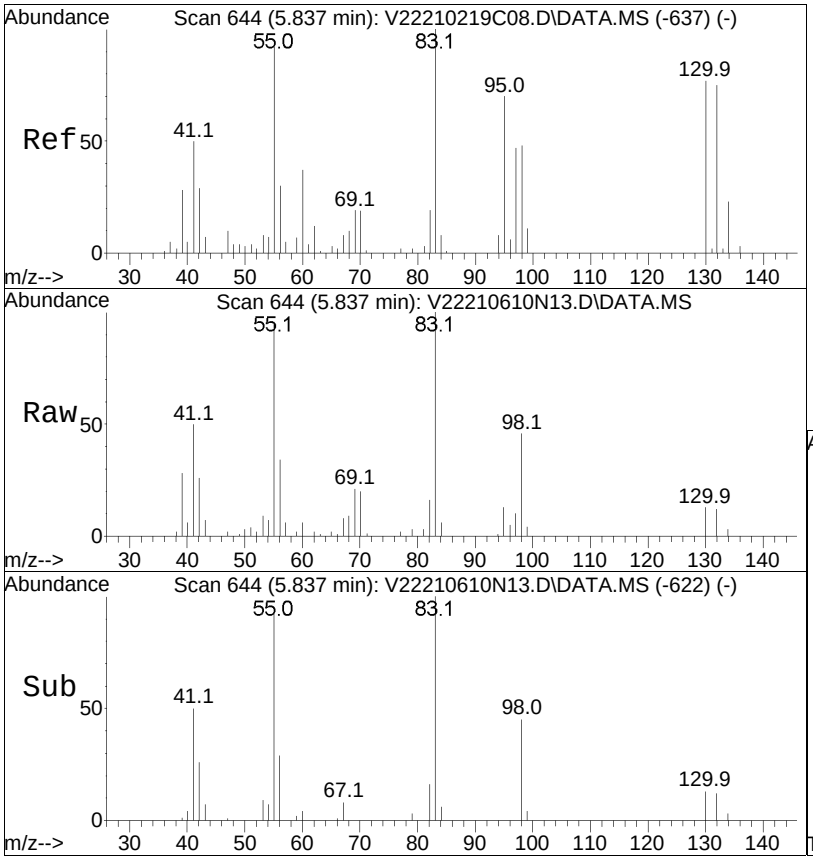


#44
Benzene
Concen: 0.09 ug/L
RT: 5.254 min Scan# 565
Delta R.T. 0.008 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion: 78 Resp: 1609

Ion	Ratio	Lower	Upper
78	100		
77	9.8	15.4	32.0#
51	0.0	9.8	20.4#
52	12.6	9.2	19.2

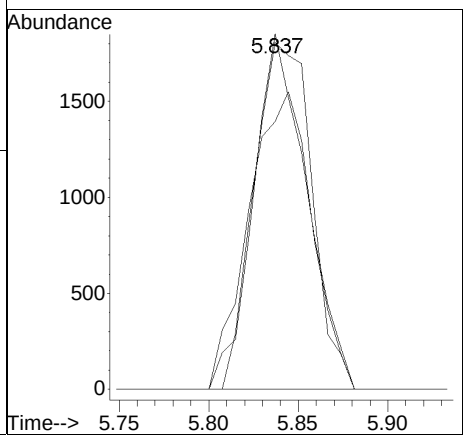


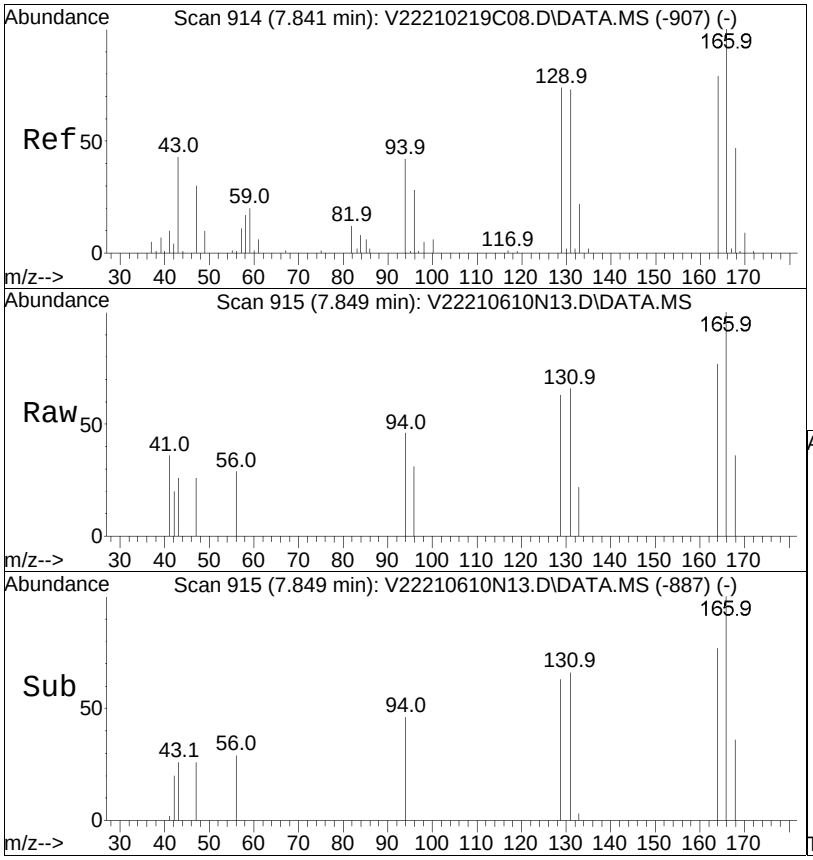


#51
Trichloroethene
Concen: 0.83 ug/L
RT: 5.837 min Scan# 644
Delta R.T. 0.000 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion: 95 Resp: 3852

Ion	Ratio	Lower	Upper
95	100		
97	98.9	55.0	82.4#
130	105.2	89.2	133.8

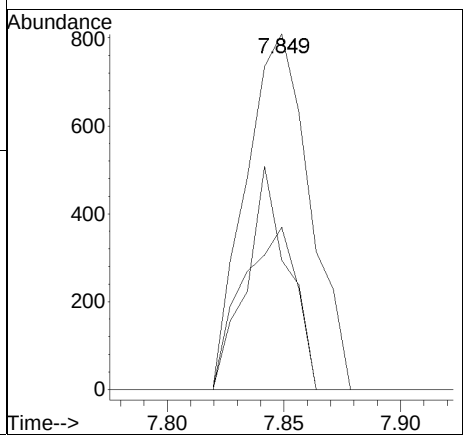


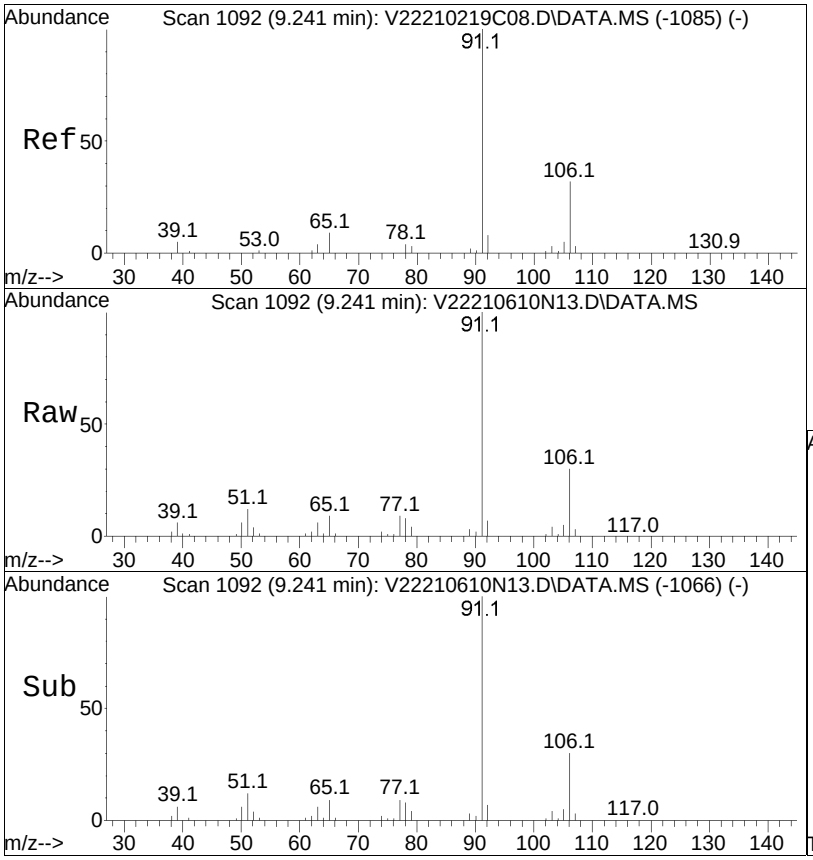


#66
Tetrachloroethene
Concen: 0.34 ug/L
RT: 7.849 min Scan# 915
Delta R.T. 0.007 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion:166 Resp: 1543

Ion	Ratio	Lower	Upper
166	100		
168	40.6	27.8	67.8
94	39.1	16.7	56.7

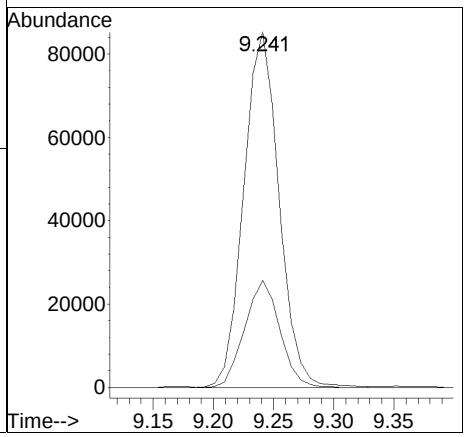


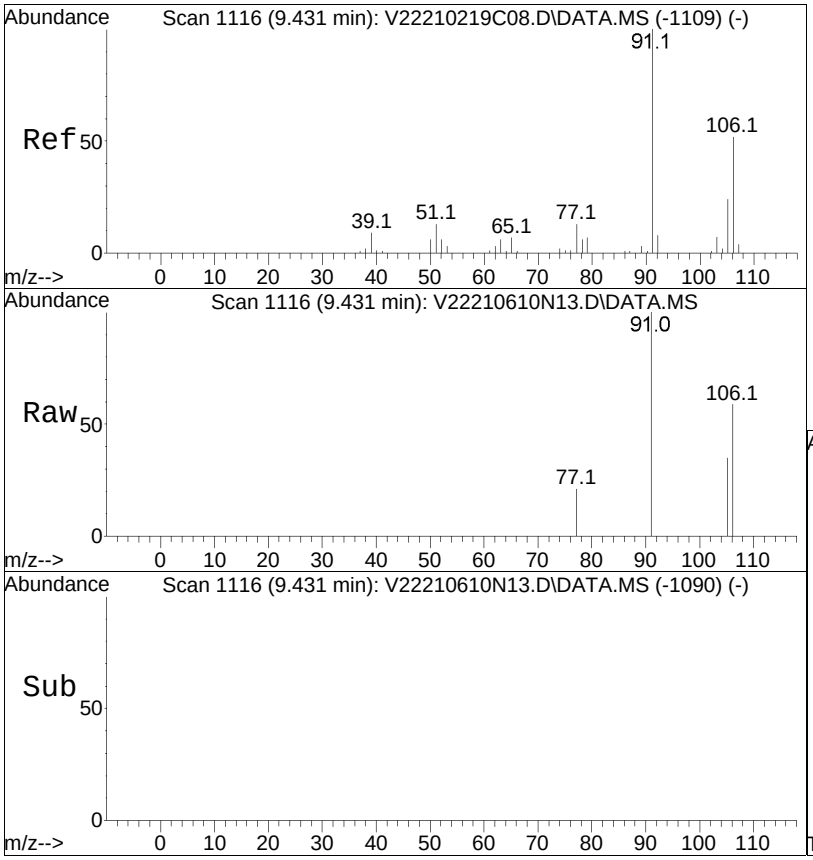


#78
Ethylbenzene
Concen: 7.83 ug/L
RT: 9.241 min Scan# 1092
Delta R.T. 0.008 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion: 91 Resp: 173736

Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.8	38.6

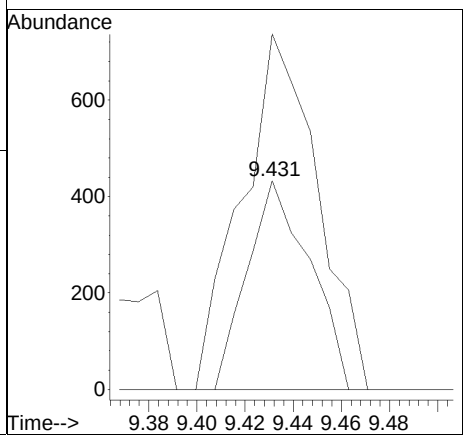


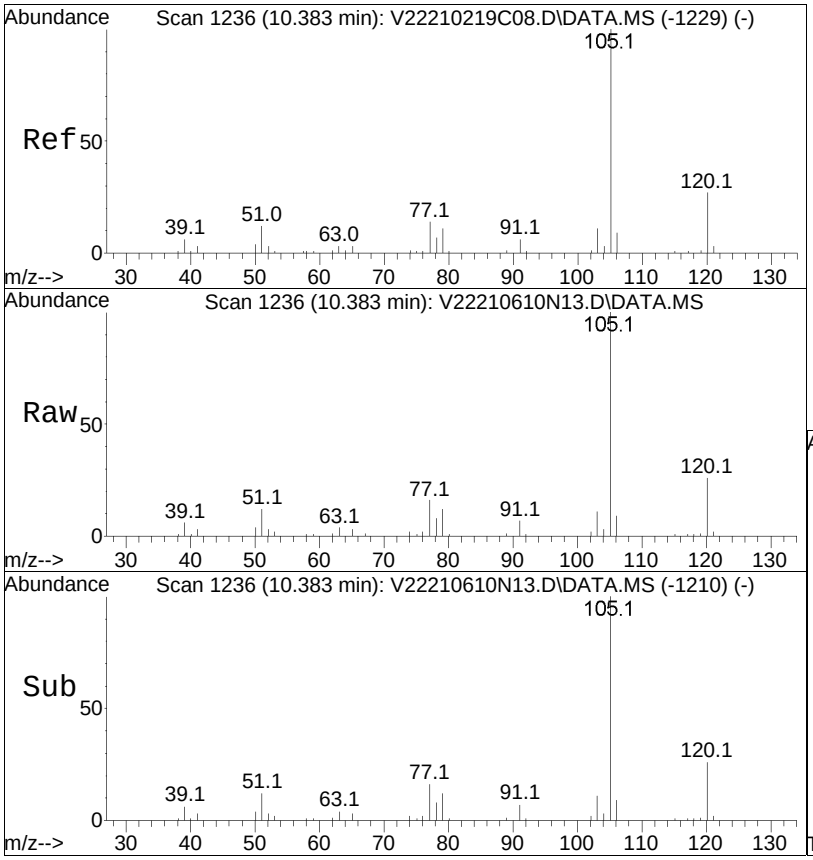


#80
p/m Xylene
Concen: 0.09 ug/L
RT: 9.431 min Scan# 1116
Delta R.T. 0.008 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion:106 Resp: 781

Ion	Ratio	Lower	Upper
106	100		
91	0.0	156.0	234.0#

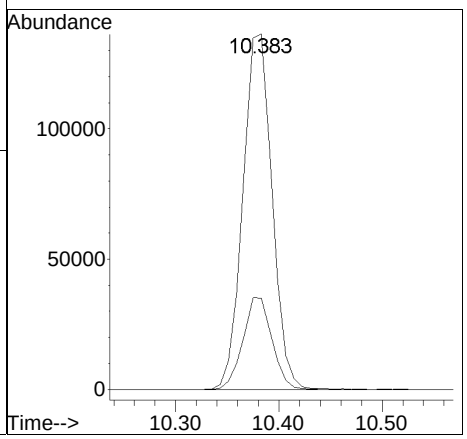


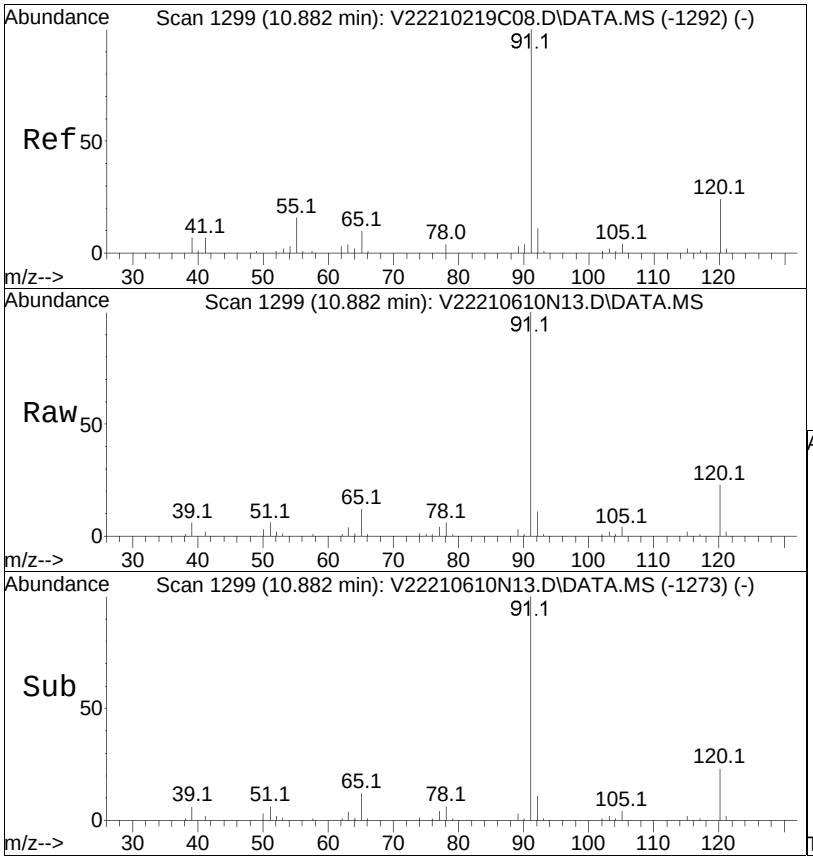


#86
Isopropylbenzene
Concen: 10.15 ug/L
RT: 10.383 min Scan# 1236
Delta R.T. 0.008 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion:105 Resp: 268585

Ion	Ratio	Lower	Upper
105	100		
120	25.6	7.7	47.7

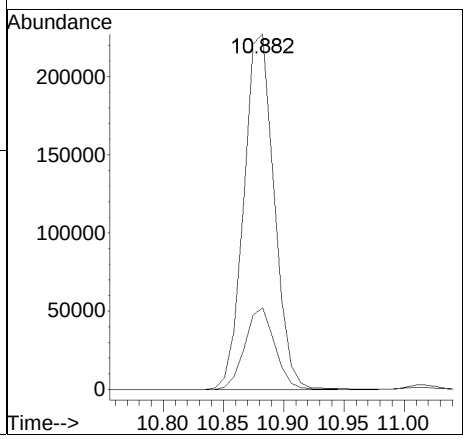


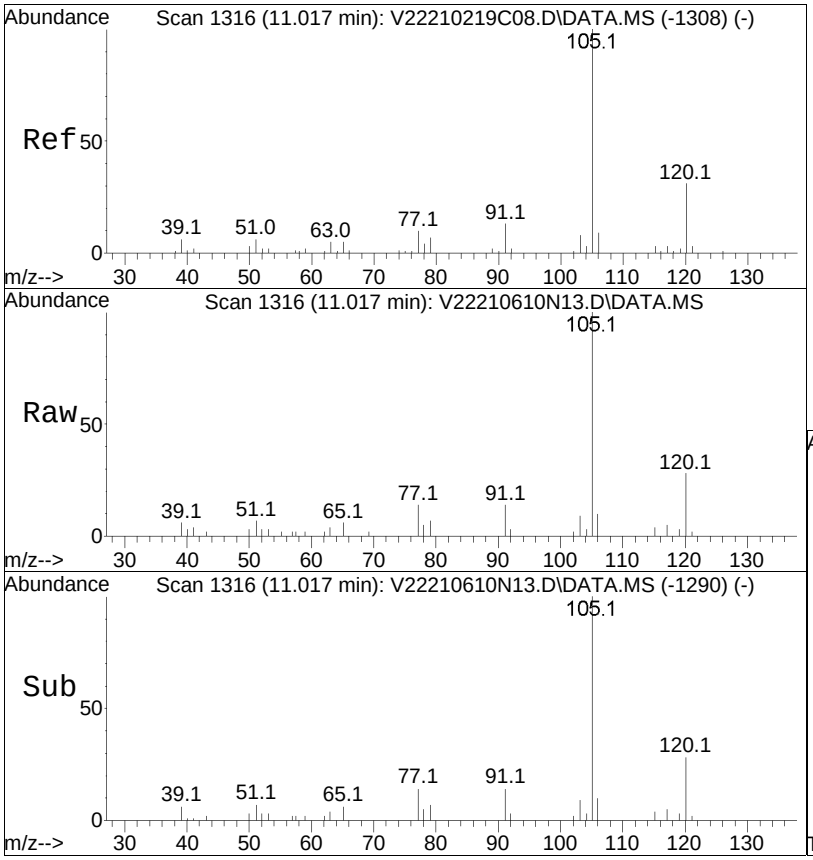


#89
n-Propylbenzene
Concen: 12.05 ug/L
RT: 10.882 min Scan# 1299
Delta R.T. 0.007 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion: 91 Resp: 397725

Ion	Ratio	Lower	Upper
91	100		
120	22.6	19.5	29.3

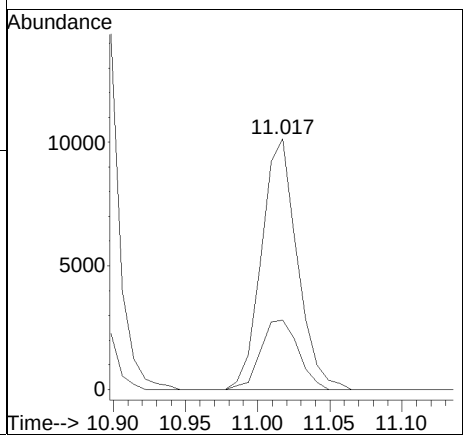


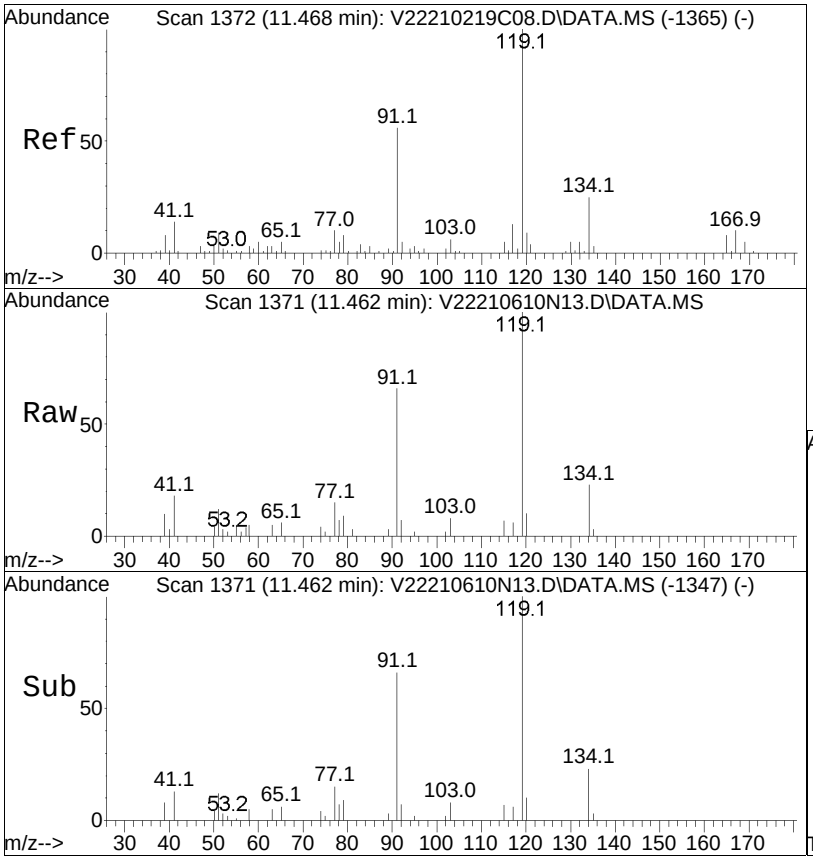


#92
4-Ethyltoluene
Concen: 0.68 ug/L M1
RT: 11.017 min Scan# 1316
Delta R.T. 0.008 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion:105 Resp: 17478

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.8	41.0#

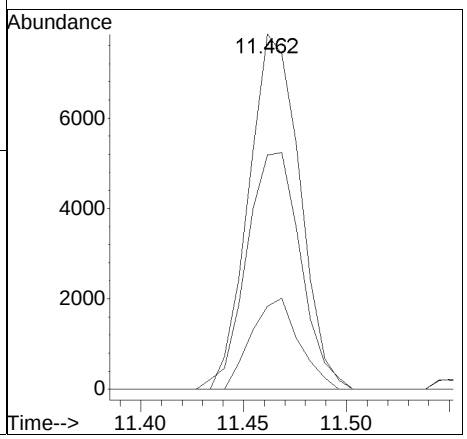


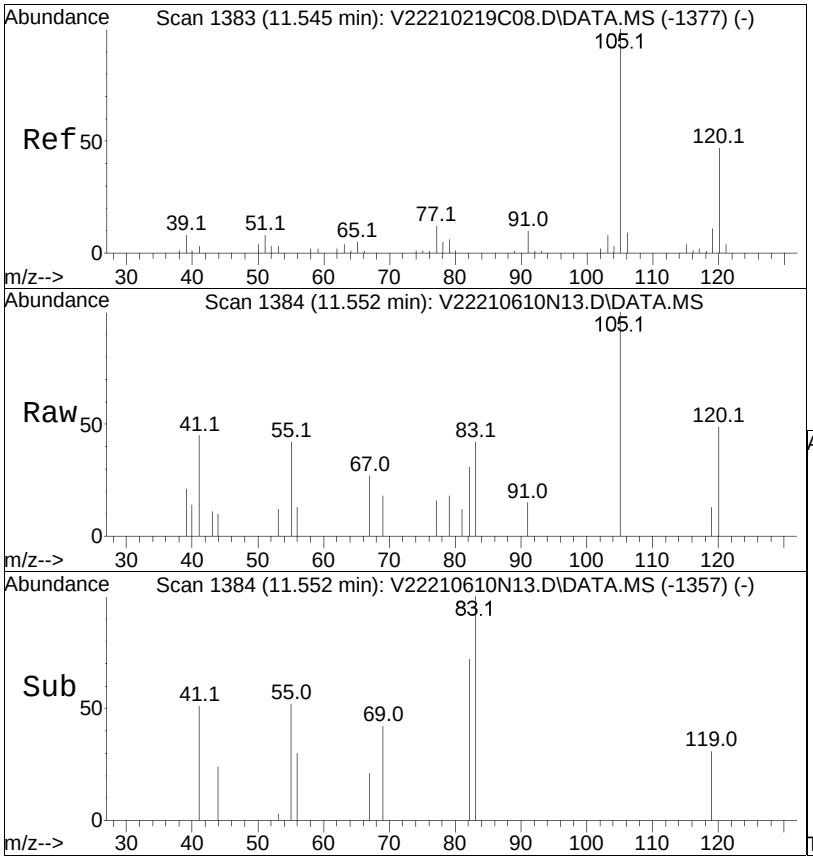


#98
tert-Butylbenzene
Concen: 0.67 ug/L
RT: 11.462 min Scan# 1371
Delta R.T. -0.000 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion:119 Resp: 13563

Ion	Ratio	Lower	Upper
119	100		
91	70.7	50.2	75.4
134	23.9	20.8	31.2

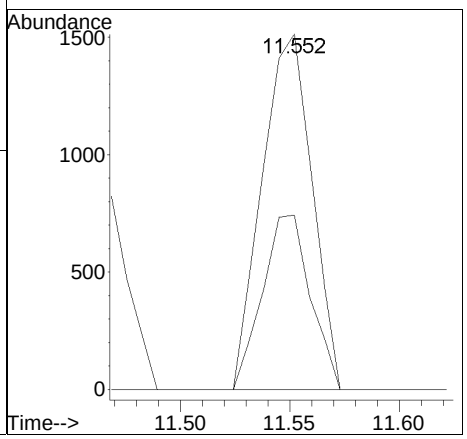


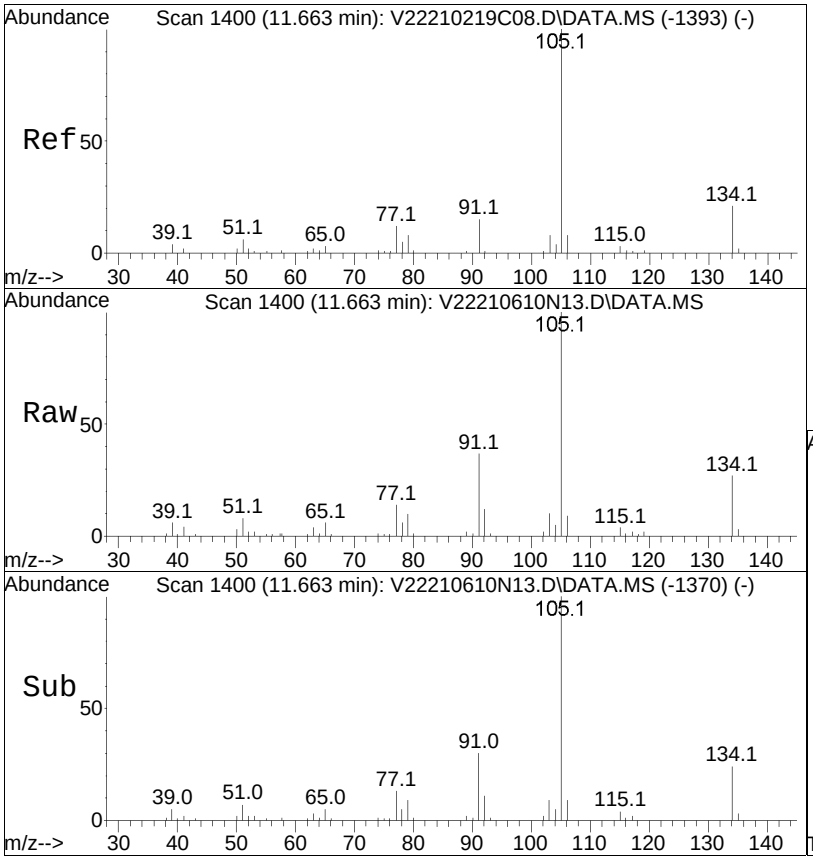


#101
1,2,4-Trimethylbenzene
Concen: 0.11 ug/L M3
RT: 11.552 min Scan# 1384
Delta R.T. 0.007 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion:105 Resp: 2404

Ion	Ratio	Lower	Upper
105	100		
120	0.0	38.5	57.7#

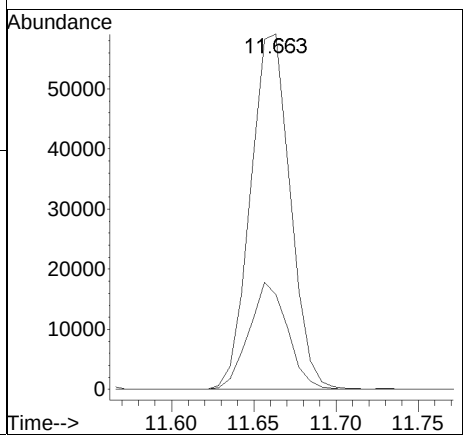


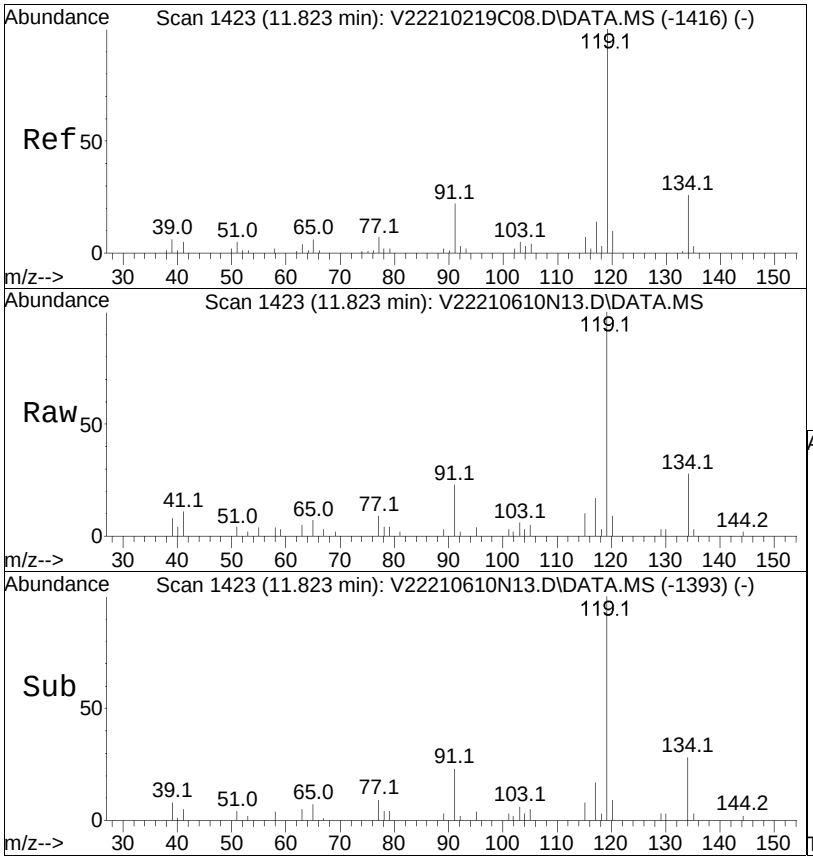


#102
sec-Butylbenzene
Concen: 3.93 ug/L
RT: 11.663 min Scan# 1400
Delta R.T. 0.006 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion:105 Resp: 99230

Ion	Ratio	Lower	Upper
105	100		
134	29.2	13.9	28.9#

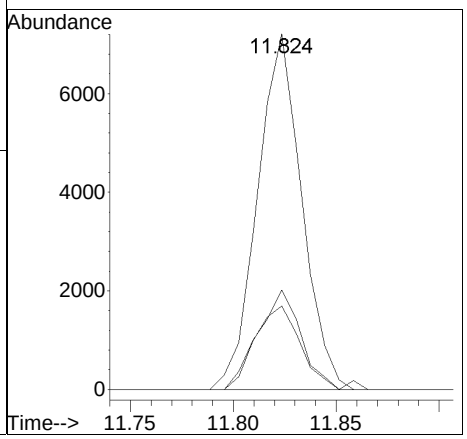


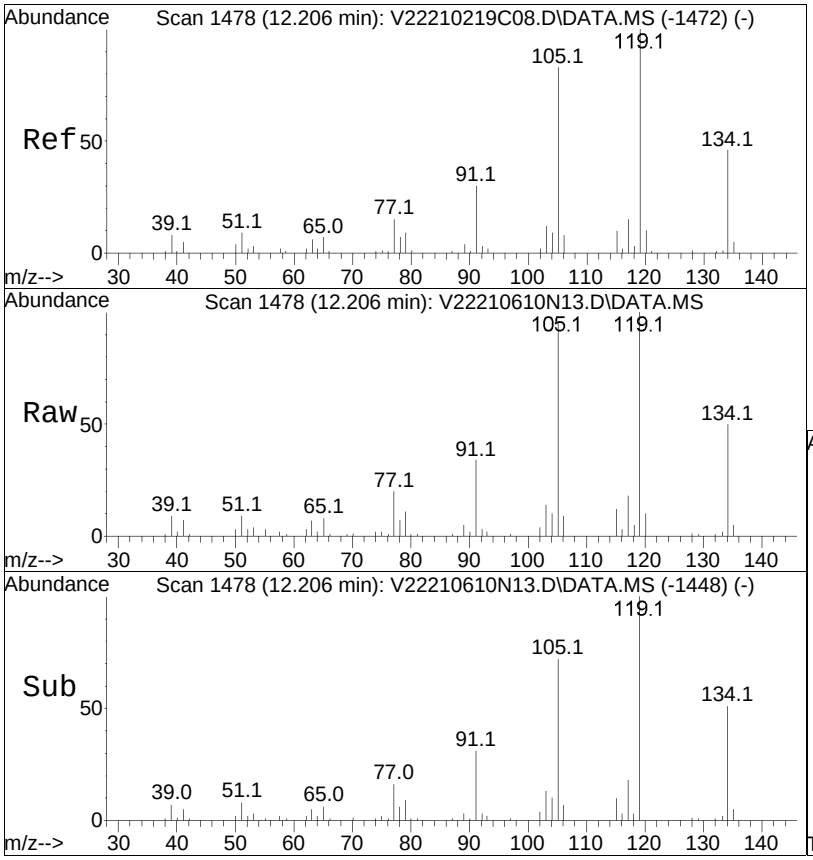


#103
p-Isopropyltoluene
Concen: 0.47 ug/L
RT: 11.823 min Scan# 1423
Delta R.T. 0.006 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion:119 Resp: 10777

Ion	Ratio	Lower	Upper
119	100		
134	27.1	17.7	36.7
91	24.8	14.1	29.3

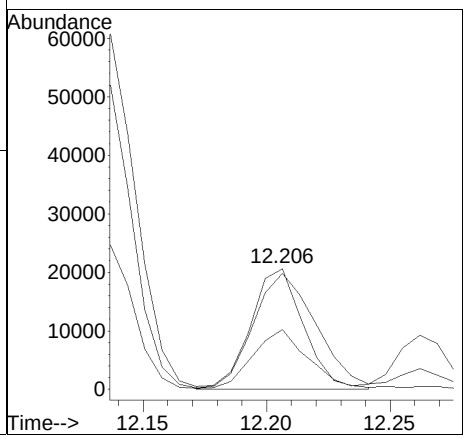


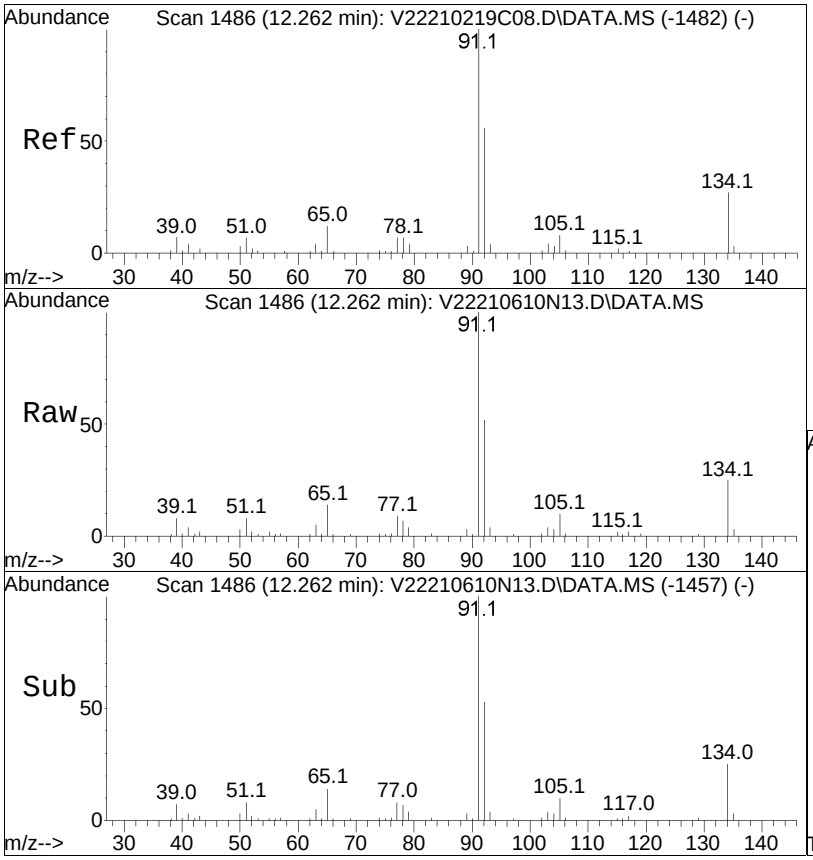


#106
p-Diethylbenzene
Concen: 2.32 ug/L M3
RT: 12.206 min Scan# 1478
Delta R.T. 0.006 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion:119 Resp: 30674

Ion	Ratio	Lower	Upper
119	100		
105	254.0	53.4	110.8#
134	117.4	30.9	64.1#

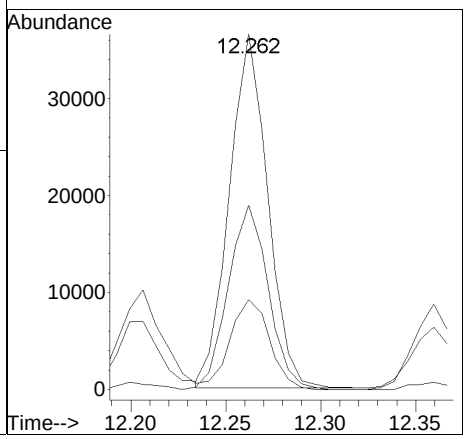


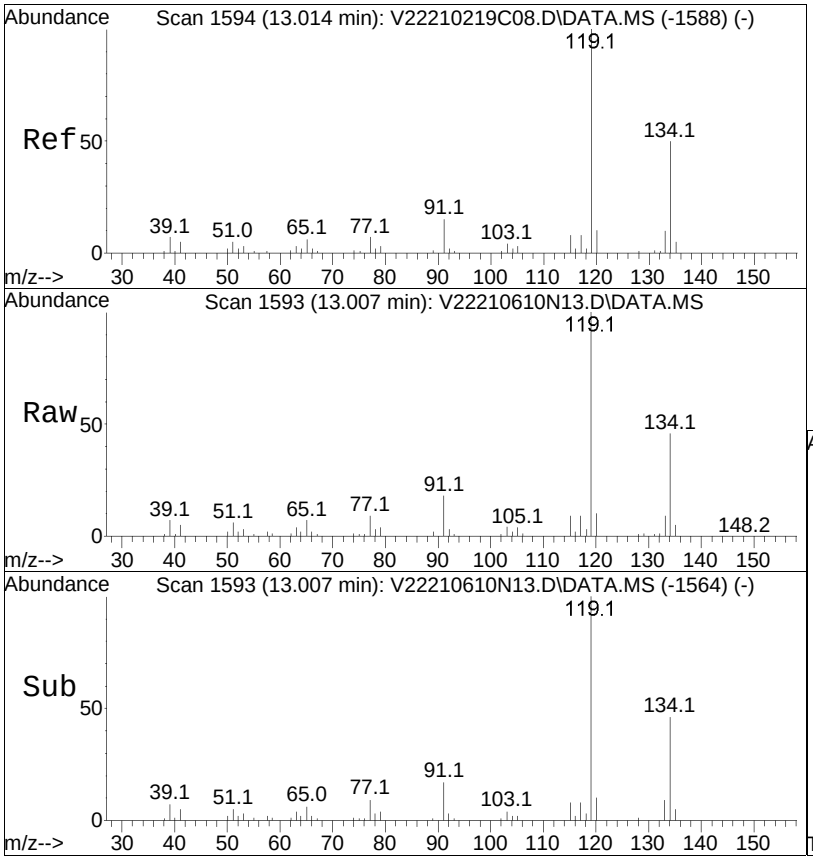


#107
n-Butylbenzene
Concen: 2.47 ug/L
RT: 12.262 min Scan# 1486
Delta R.T. 0.000 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion: 91 Resp: 51366

Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.6	66.8
134	26.1	22.9	34.3

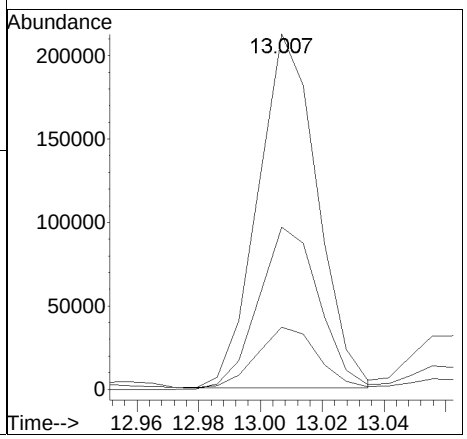


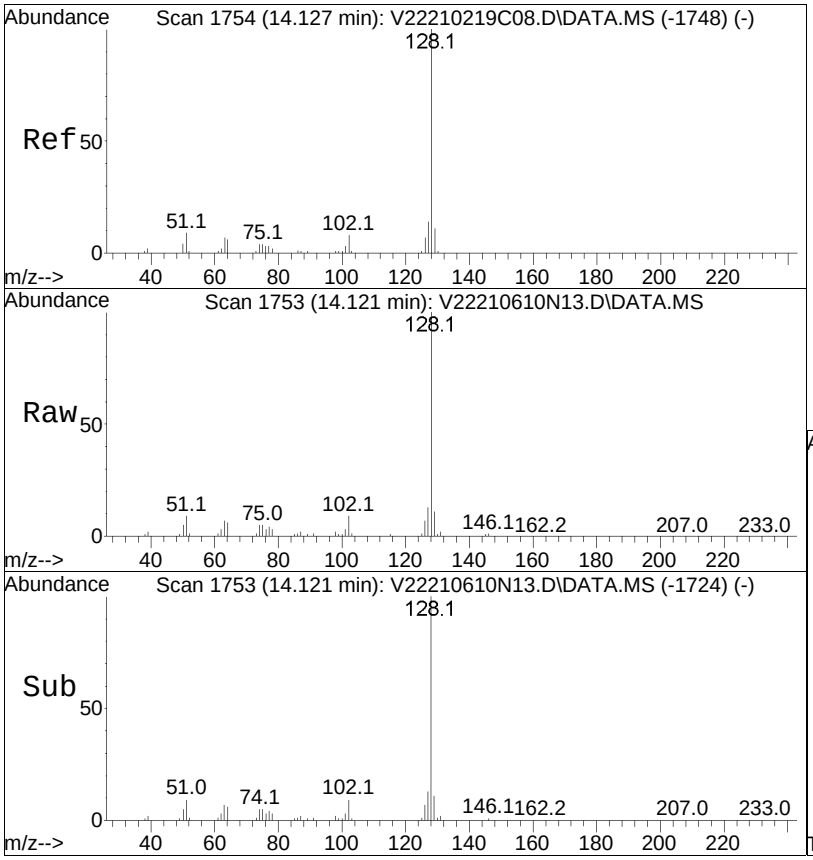


#109
1,2,4,5-Tetramethylbenzene
Concen: 15.08 ug/L
RT: 13.007 min Scan# 1593
Delta R.T. -0.000 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion:119 Resp: 283969

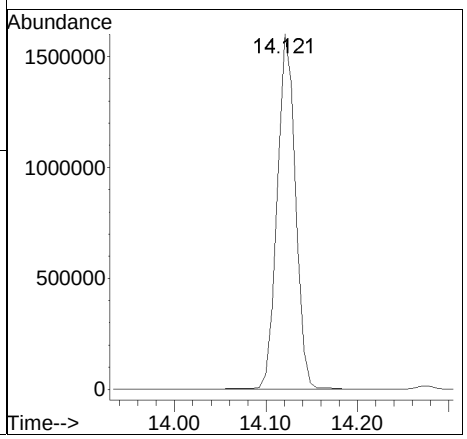
Ion	Ratio	Lower	Upper
119	100		
134	47.1	31.9	66.1
91	17.2	9.8	20.3





#114
Naphthalene
Concen: 155.97 ug/L
RT: 14.121 min Scan# 1753
Delta R.T. -0.000 min
Lab File: V22210610N13.D
Acq: 11 Jun 2021 01:10 am

Tgt Ion:128 Resp: 2230915

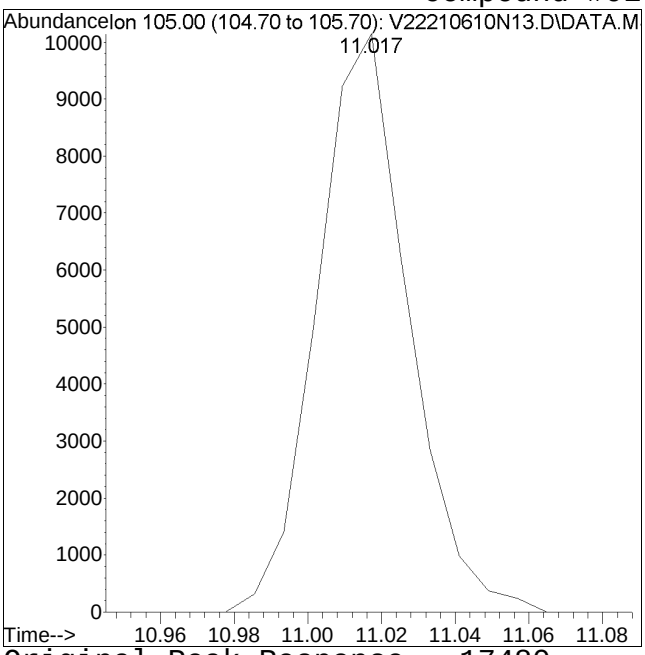


Manual Integration Report

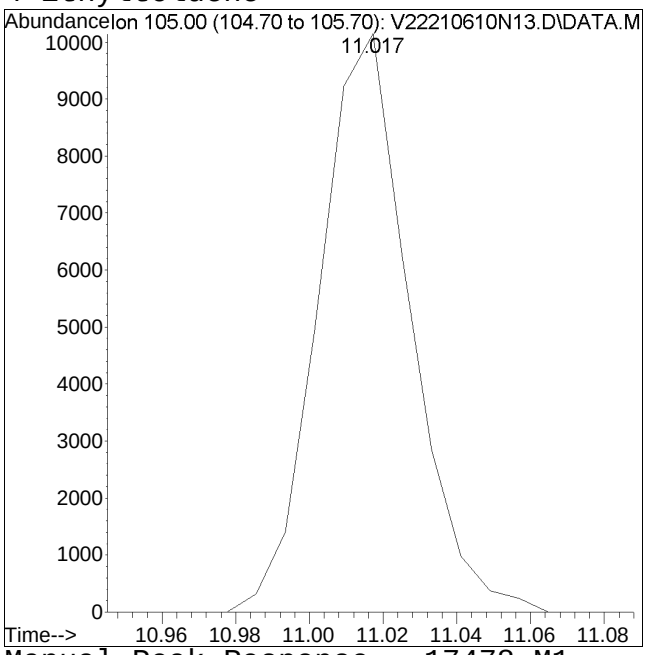
Data Path : I:\VOLATILES\VOA122\2021\2Q
Data File : V22210610N13.D
Date Inj'd : 6/11/2021 1:10 am
Sample : L2129111-06,31,10,10,,A,PR

Method : V122_210420N_8260.m
Operator : VOA122:NLK
Instrument : VOA122
Quant Date : 6/11/2021 11:44 am

Compound #92: 4-Ethyltoluene



Original Peak Response = 17480



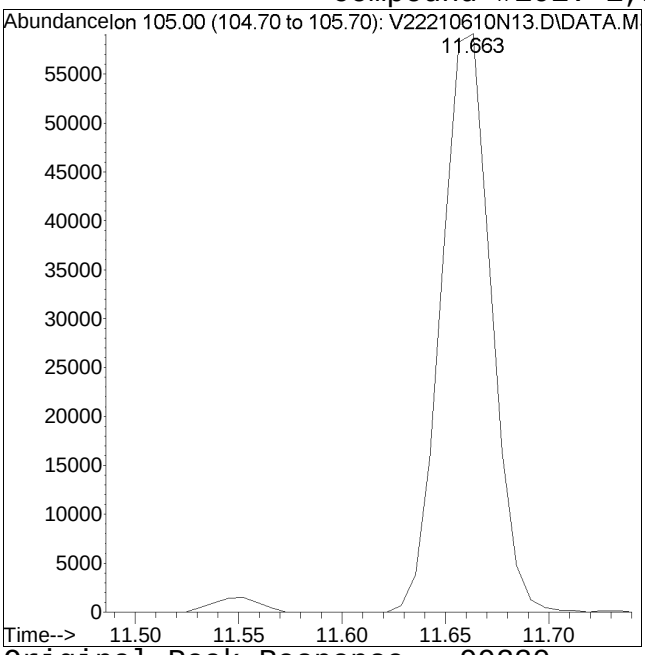
Manual Peak Response = 17478 M1

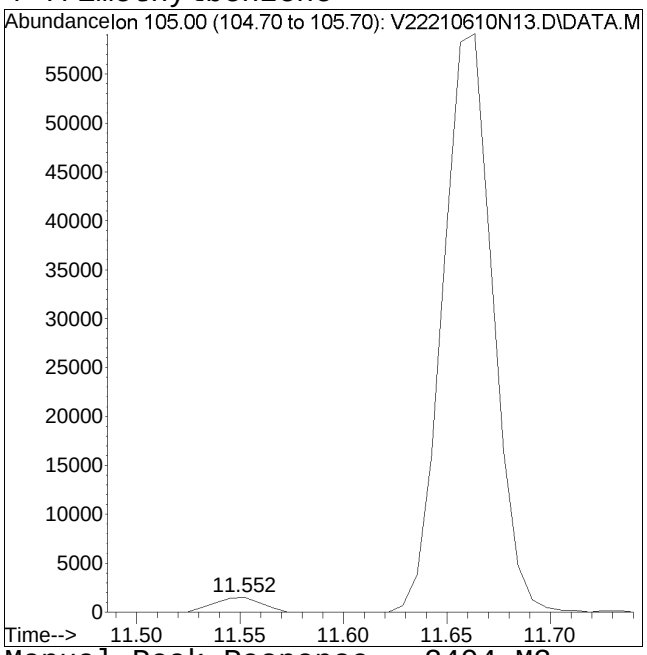
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210420N_8260.m
Data File : V22210610N13.D Operator : VOA122:NLK
Date Inj'd : 6/11/2021 1:10 am Instrument : VOA122
Sample : L2129111-06,31,10,10,,A,PRQuant Date : 6/11/2021 11:44 am

Compound #101: 1,2,4-Trimethylbenzene





Original Peak Response = 99230 Manual Peak Response = 2404 M3

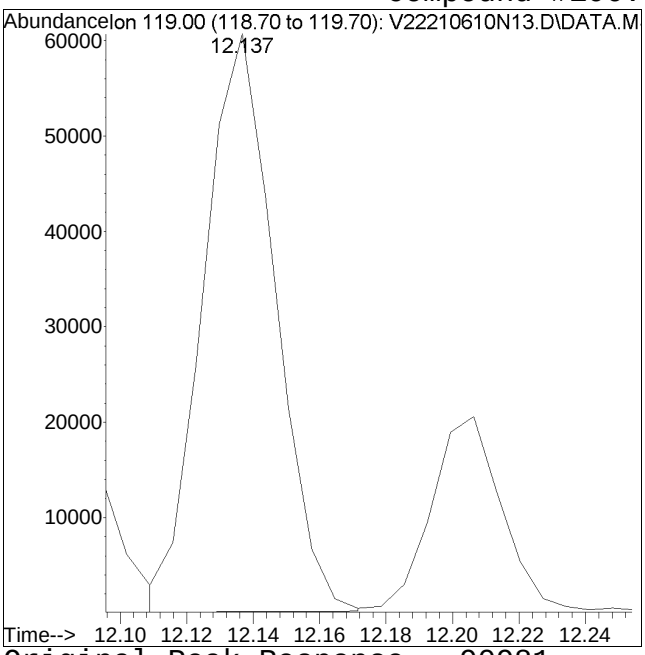
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

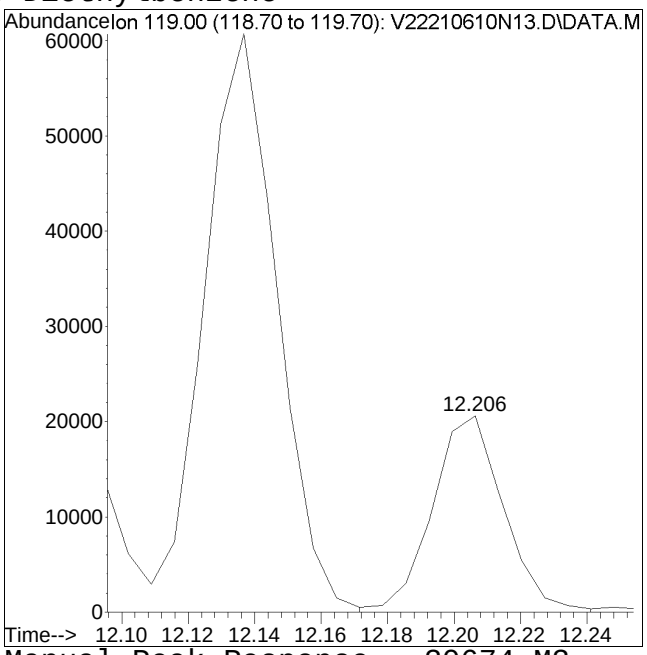
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2Q
Data File : V22210610N13.D
Date Inj'd : 6/11/2021 1:10 am
Sample : L2129111-06,31,10,10,,A,PR

Method : V122_210420N_8260.m
Operator : VOA122:NLK
Instrument : VOA122
Quant Date : 6/11/2021 11:44 am

Compound #106: p-Diethylbenzene





Original Peak Response = 90981 Manual Peak Response = 30674 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N14.D
Acq On : 11 Jun 2021 01:36 am
Operator : VOA122:NLK
Sample : L2129111-07,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 11 11:44:43 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.667	96	284139	10.000 ug/L	0.00
Standard Area 1 = 227181			Recovery = 125.07%		
62) Chlorobenzene-d5	9.170	117	225358	10.000 ug/L	0.00
Standard Area 1 = 171867			Recovery = 131.12%		
83) 1,4-Dichlorobenzene-d4	11.956	152	122737	10.000 ug/L	0.00
Standard Area 1 = 97920			Recovery = 125.34%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	83672	11.168 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.68%		
46) 1,2-Dichloroethane-d4	5.379	65	99465	11.219 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.19%		
63) Toluene-d8	7.341	98	276288	9.676 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.76%		
87) 4-Bromofluorobenzene	10.708	95	105584	8.908 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.08%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.657	50	7345	1.020 ug/L #	50
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.717	76	421	N.D.	
15) Methylene chloride	3.212	84	92	N.D.	
17) Acetone	3.260	43	2755	0.359 ug/L #	88
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N14.D
Acq On : 11 Jun 2021 01:36 am
Operator : VOA122:NLK
Sample : L2129111-07,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 11 11:44:43 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0		N.D.	
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
42) 1,1-Dichloropropene	0.000		0		N.D.	
44) Benzene	5.246	78	78		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
53) Dibromomethane	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	7.392	92	504		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
73) 1,3-Dichloropropane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.241	91	155		N.D.	
79) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
88) Bromobenzene	0.000		0		N.D.	
89) n-Propylbenzene	10.891	91	422		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
92) 4-Ethyltoluene	0.000		0		N.D.	
93) 2-Chlorotoluene	10.891	91	422		N.D.	
94) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
95) 1,2,3-Trichloropropane	0.000		0		N.D.	
96) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
97) 4-Chlorotoluene	0.000		0		N.D.	
98) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N14.D
Acq On : 11 Jun 2021 01:36 am
Operator : VOA122:NLK
Sample : L2129111-07,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 11 11:44:43 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101)	1,2,4-Trimethylbenzene	0.000		0	N.D.		
102)	sec-Butylbenzene	0.000		0	N.D.		
103)	p-Isopropyltoluene	0.000		0	N.D.		
104)	1,3-Dichlorobenzene	0.000		0	N.D.		
105)	1,4-Dichlorobenzene	0.000		0	N.D.		
106)	p-Diethylbenzene	12.137	119	77	N.D.		
107)	n-Butylbenzene	0.000		0	N.D.		
108)	1,2-Dichlorobenzene	0.000		0	N.D.		
109)	1,2,4,5-Tetramethylben...	13.014	119	951	N.D.		
110)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112)	Hexachlorobutadiene	0.000		0	N.D.		
113)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
114)	Naphthalene	14.128	128	20856	1.320	ug/L	100
115)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

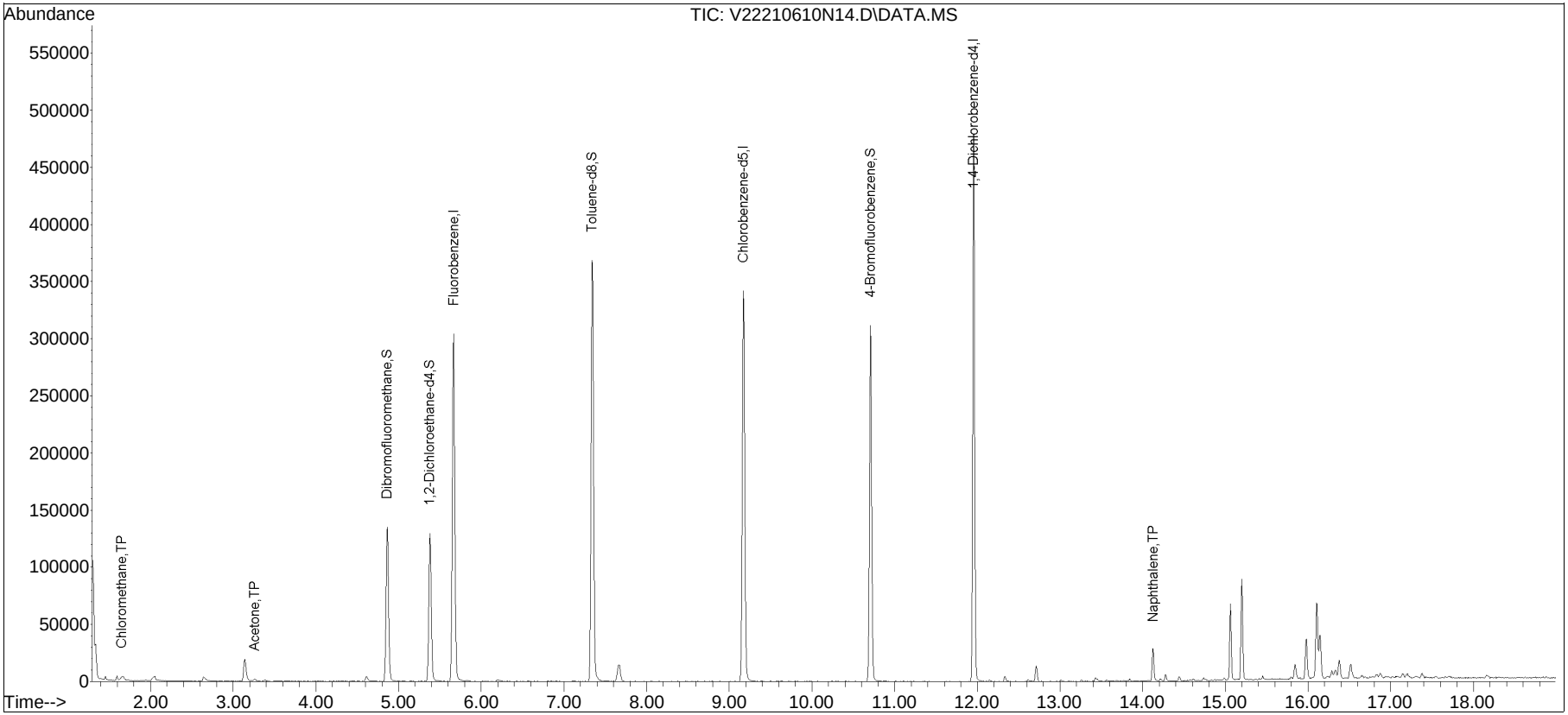
(#) = qualifier out of range (m) = manual integration (+) = signals summed

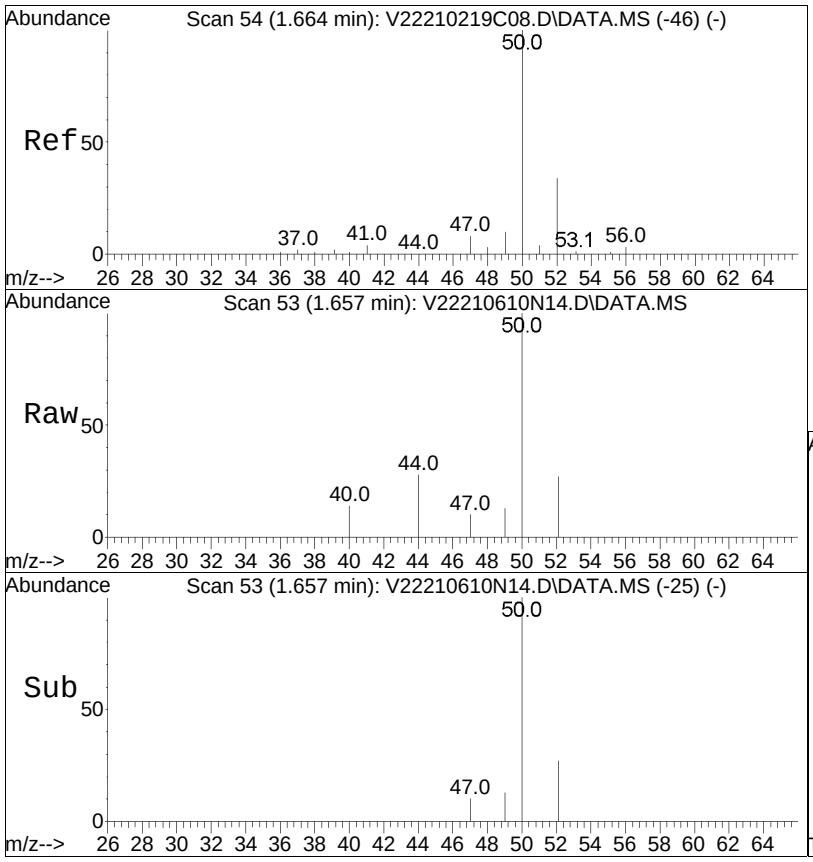
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N14.D
Acq On : 11 Jun 2021 01:36 am
Operator : VOA122:NLK
Sample : L2129111-07,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 11 11:44:43 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10610N\V22210610N01.D•

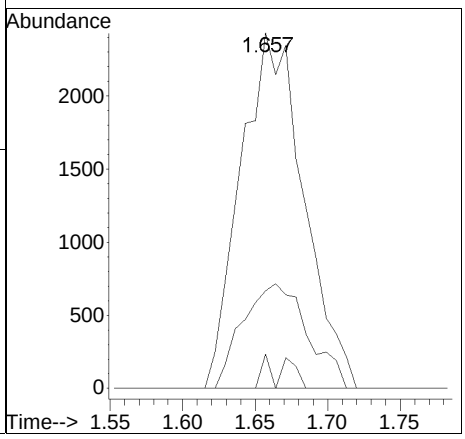


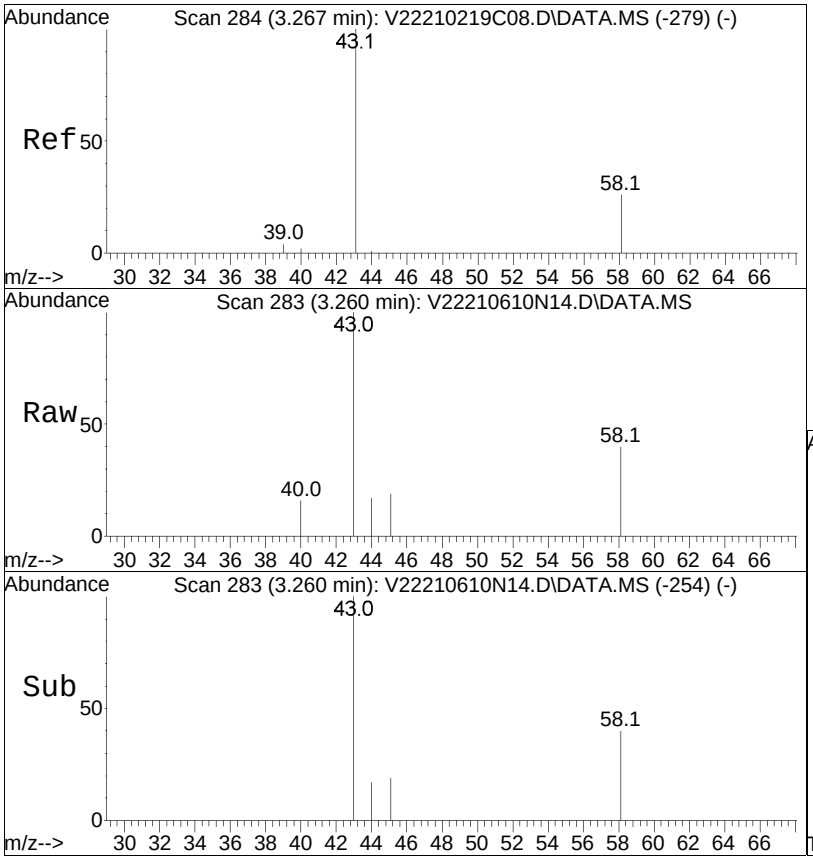


#3
Chloromethane
Concen: 1.02 ug/L
RT: 1.657 min Scan# 53
Delta R.T. -0.007 min
Lab File: V22210610N14.D
Acq: 11 Jun 2021 01:36 am

Tgt Ion: 50 Resp: 7345

Ion	Ratio	Lower	Upper
50	100		
52	0.0	12.8	52.8#
47	1.3	0.0	30.0

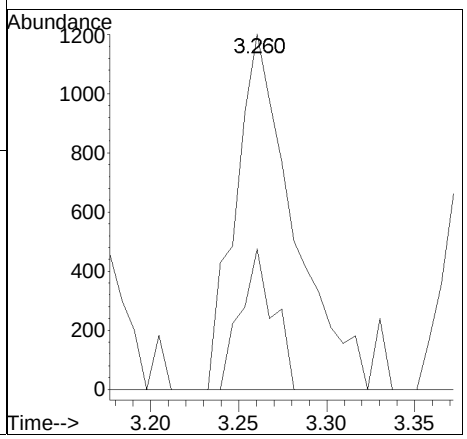


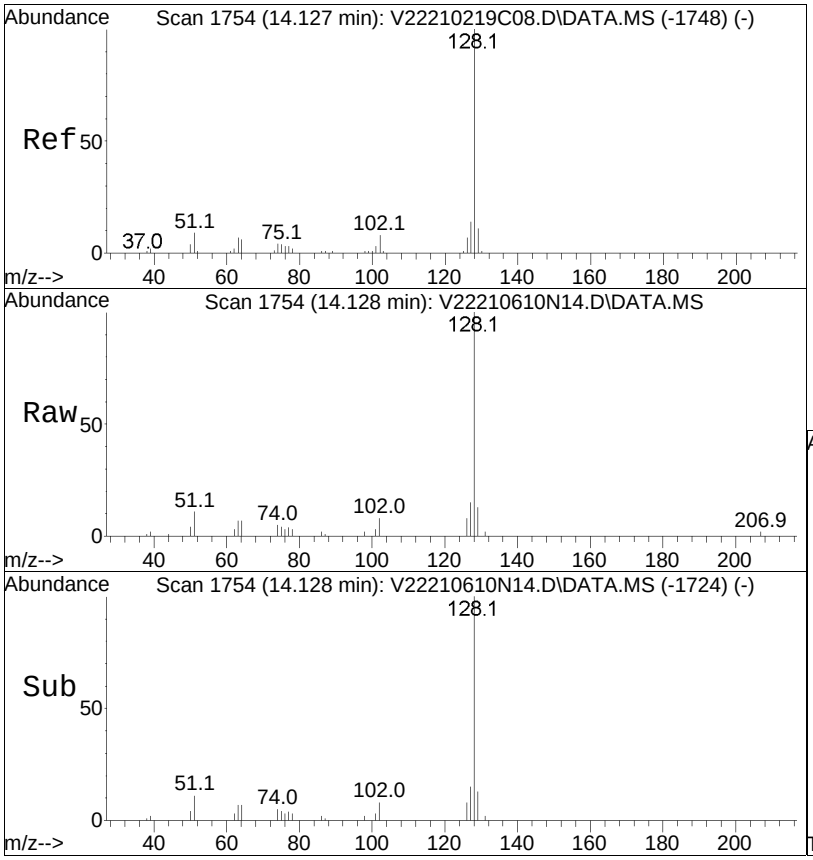


#17
Acetone
Concen: 0.36 ug/L
RT: 3.260 min Scan# 283
Delta R.T. 0.000 min
Lab File: V22210610N14.D
Acq: 11 Jun 2021 01:36 am

Tgt Ion: 43 Resp: 2755

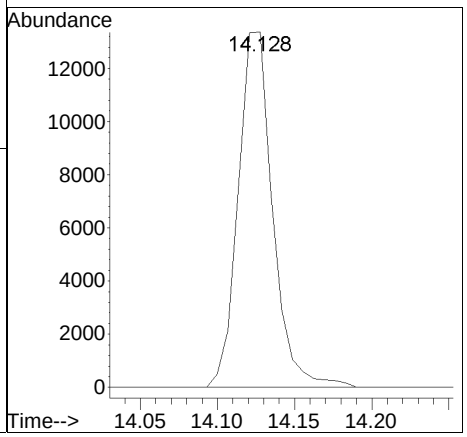
Ion	Ratio	Lower	Upper
43	100		
58	22.6	23.1	34.7#





#114
Naphthalene
Concen: 1.32 ug/L
RT: 14.128 min Scan# 1754
Delta R.T. 0.007 min
Lab File: V22210610N14.D
Acq: 11 Jun 2021 01:36 am

Tgt Ion:128 Resp: 20856



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	Method	: V122_210420N_8260.m
Data File	: V22210610N14.D	Operator	: VOA122:NLK
Date Inj'd	: 6/11/2021 1:36 am	Instrument	: VOA122
Sample	: L2129111-07,31,10,10,,A,PR	Quant Date	: 6/11/2021 11:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N15.D
Acq On : 11 Jun 2021 02:02 am
Operator : VOA122:NLK
Sample : L2129111-08,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 11 11:57:27 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	268741	10.000	ug/L	0.00
Standard Area 1 = 227181			Recovery = 118.29%			
62) Chlorobenzene-d5	9.170	117	229445	10.000	ug/L	0.00
Standard Area 1 = 171867			Recovery = 133.50%			
83) 1,4-Dichlorobenzene-d4	11.956	152	120926	10.000	ug/L	0.00
Standard Area 1 = 97920			Recovery = 123.49%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	82883	11.696	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.96%			
46) 1,2-Dichloroethane-d4	5.379	65	99292	11.841	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 118.41%			
63) Toluene-d8	7.341	98	282348	9.712	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.12%			
87) 4-Bromofluorobenzene	10.708	95	105273	9.015	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.15%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.717	76	351	N.D.		
15) Methylene chloride	3.212	84	141	N.D.		
17) Acetone	3.267	43	811	Below Cal #		46
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D. d		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N15.D
Acq On : 11 Jun 2021 02:02 am
Operator : VOA122:NLK
Sample : L2129111-08,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 11 11:57:27 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0		N.D.	
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
42) 1,1-Dichloropropene	0.000		0		N.D.	
44) Benzene	5.254	78	627		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
53) Dibromomethane	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	7.392	92	520		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
73) 1,3-Dichloropropane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.170	91	328		N.D.	
79) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
88) Bromobenzene	0.000		0		N.D.	
89) n-Propylbenzene	10.708	91	334		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
92) 4-Ethyltoluene	0.000		0		N.D.	
93) 2-Chlorotoluene	0.000		0		N.D.	
94) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
95) 1,2,3-Trichloropropane	0.000		0		N.D.	
96) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
97) 4-Chlorotoluene	0.000		0		N.D.	
98) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N15.D
Acq On : 11 Jun 2021 02:02 am
Operator : VOA122:NLK
Sample : L2129111-08,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 11 11:57:27 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
102) sec-Butylbenzene	0.000		0	N.D.		
103) p-Isopropyltoluene	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	0.000		0	N.D.		
105) 1,4-Dichlorobenzene	0.000		0	N.D.		
106) p-Diethylbenzene	0.000		0	N.D.		
107) n-Butylbenzene	0.000		0	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
109) 1,2,4,5-Tetramethylben...	13.014	119	146	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112) Hexachlorobutadiene	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
114) Naphthalene	14.128	128	3620	0.233	ug/L	100
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

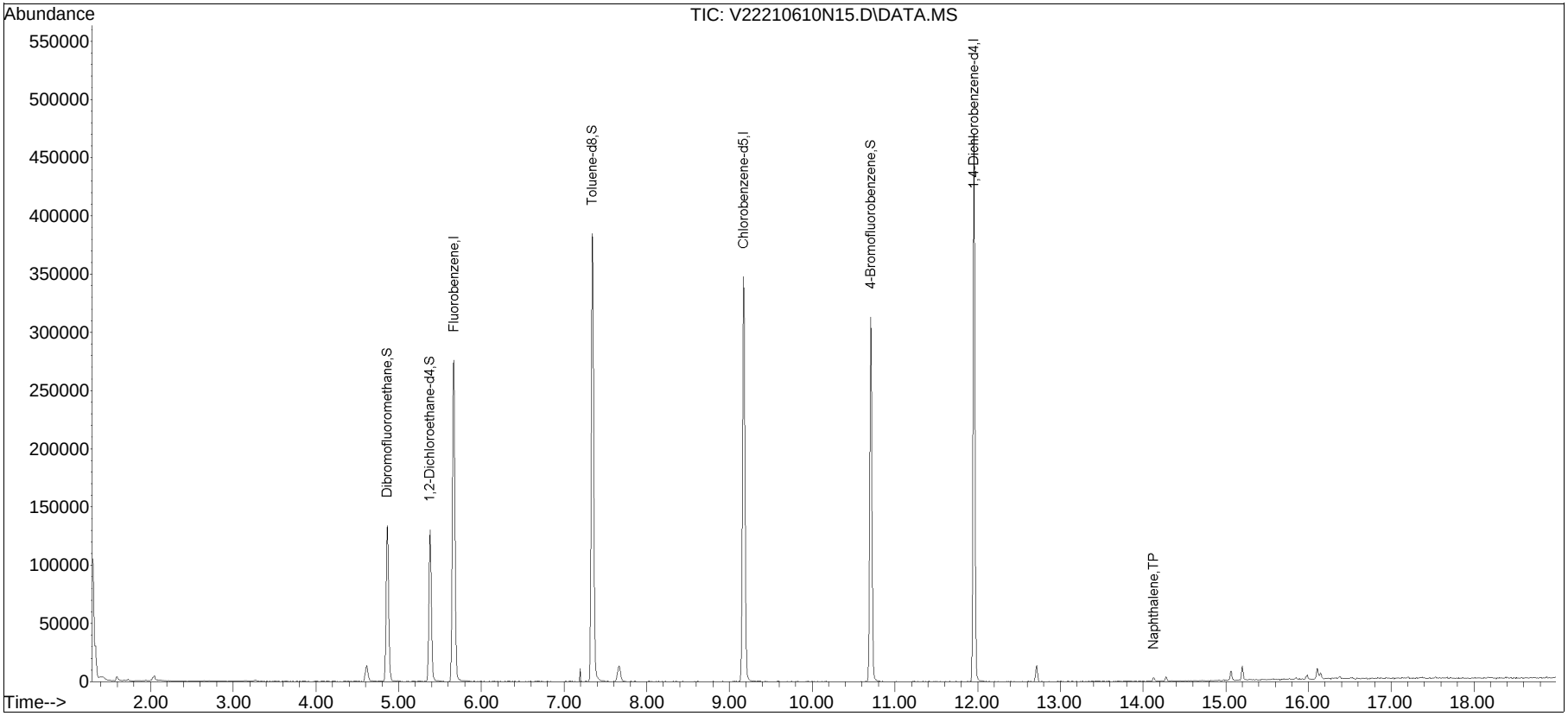
(#) = qualifier out of range (m) = manual integration (+) = signals summed

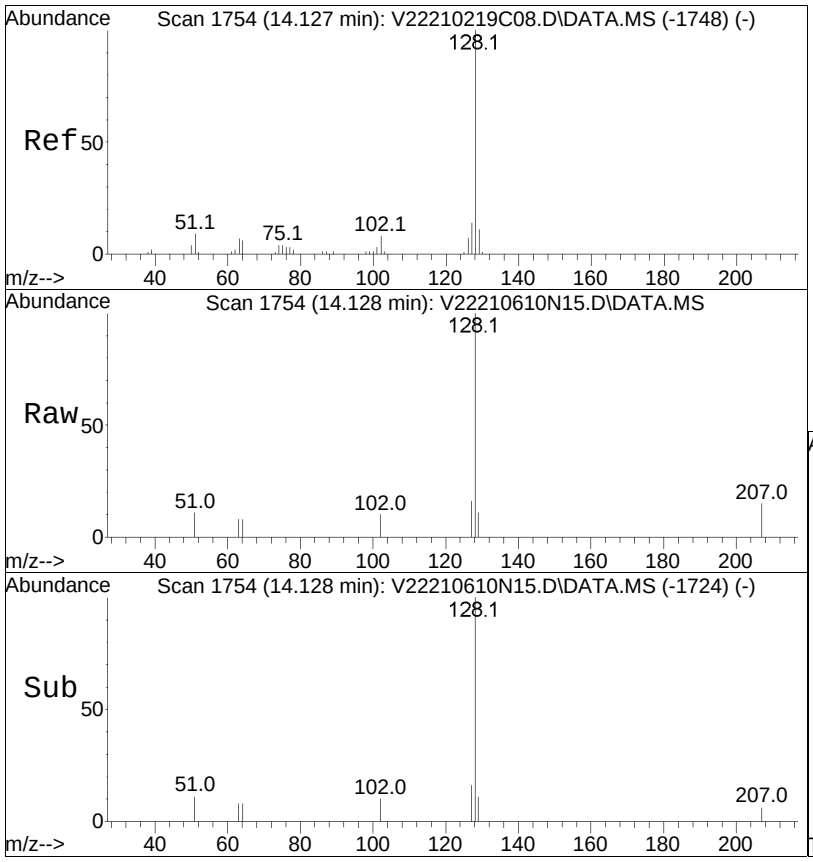
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N15.D
Acq On : 11 Jun 2021 02:02 am
Operator : VOA122:NLK
Sample : L2129111-08,31,10,10,,A,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 11 11:57:27 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

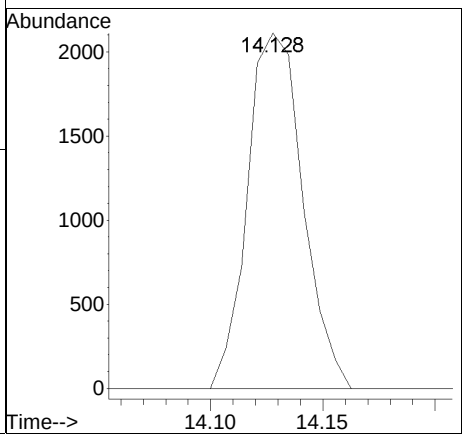
Sub List : 8260-NYTCL - Megamix plus Diox10610N\V22210610N01.D•





#114
Naphthalene
Concen: 0.23 ug/L
RT: 14.128 min Scan# 1754
Delta R.T. 0.007 min
Lab File: V22210610N15.D
Acq: 11 Jun 2021 02:02 am

Tgt Ion:128 Resp: 3620



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	Method	: V122_210420N_8260.m
Data File	: V22210610N15.D	Operator	: VOA122:NLK
Date Inj'd	: 6/11/2021 2:02 am	Instrument	: VOA122
Sample	: L2129111-08,31,10,10,,A,PR	Quant Date	: 6/11/2021 11:44 am

There are no manual integrations or false positives in this file.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Tenen Environmental, LLC**	**Lab Number**	**: L2129111**
Project Name	**: 21-21 31ST STREET**	**Project Number**	**: 21-21 31ST STREET**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL17864**
Calibration dates	**: 04/20/21 16:13 04/20/21 19:56**		

Calibration Files
L11 =V22210420N04.D L1 =V22210420N05.D L2 =V22210420N08.D L3 =V22210420N09.D L4 =V22210420N10.D
L6 =V22210420N11.D L8 =V22210420N12.D L10 =V22210420N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.146	0.212	0.190	0.173	0.170	0.164	0.160	0.174	12.40
3)	TP	Chloromethane		0.248	0.298	0.269	0.248	0.241	0.237	0.234	0.253	8.93
4)	TC	Vinyl chloride	0.193	0.196	0.279	0.258	0.239	0.233	0.230	0.229	0.232	12.41
5)	TP	Bromomethane		0.065	0.065	0.057	0.066	0.086	0.090		0.072#	18.47
6)	TP	Chloroethane		0.126	0.170	0.154	0.141	0.132	0.117	0.101	0.134	17.26
7)	TP	Trichlorofluor		0.245	0.339	0.309	0.282	0.274	0.267	0.267	0.283	11.01
8)	TP	Ethyl ether		0.091	0.097	0.097	0.095	0.091	0.094	0.092	0.094	2.85
10)	TC	1,1-Dichloroet		0.147	0.202	0.181	0.169	0.166	0.161	0.161	0.170	10.33
11)	TP	Carbon disulfide		0.473	0.607	0.549	0.504	0.499	0.488	0.490	0.516	9.07
12)	TP	Freon-113		0.136	0.213	0.196	0.180	0.175	0.172	0.171	0.178	13.39
13)	TP	Iodomethane			0.059	0.098	0.126	0.139	0.132	0.141	*L	0.9984
14)	TP	Acrolein			0.017	0.019	0.019	0.018	0.019	0.018	0.018#	4.94
15)	TP	Methylene chlo			0.232	0.203	0.187	0.178	0.176	0.174	0.192	11.63
17)	TP	Acetone			0.078	0.052	0.044	0.040	0.043	0.040	*L	0.9983
18)	TP	trans-1,2-Dich		0.179	0.208	0.190	0.177	0.173	0.170	0.170	0.181	7.52
19)	TP	Methyl acetate		0.114	0.108	0.105	0.105	0.097	0.104	0.097	0.104	5.64
21)	TP	Methyl tert butyl ether		0.368	0.461	0.434	0.434	0.412	0.424	0.406	0.420	6.91
22)	TP	tert-Butyl alc		0.007	0.012	0.012	0.012	0.011	0.012	0.012	0.011#	17.46
24)	TP	Diisopropyl ether		0.597	0.672	0.648	0.672	0.683	0.683	0.670	0.661	4.62
25)	TP	1,1-Dichloroet		0.359	0.454	0.421	0.391	0.380	0.372	0.369	0.392	8.68
26)	TP	Halothane		0.106	0.159	0.148	0.141	0.138	0.138	0.139	0.138	11.65
27)	TP	Acrylonitrile			0.054	0.060	0.059	0.053	0.057	0.053	0.056	5.14
28)	TP	Ethyl tert-but		0.468	0.567	0.553	0.574	0.564	0.576	0.563	0.552	6.87
29)	TP	Vinyl acetate		0.299	0.355	0.383	0.364	0.361	0.360	0.346	0.353	7.46
30)	TP	cis-1,2-Dichlo		0.193	0.244	0.218	0.203	0.196	0.193	0.193	0.206	9.35
31)	TP	2,2-Dichloropr		0.247	0.328	0.287	0.277	0.268	0.263	0.261	0.276	9.55
32)	TP	Bromochloromet		0.079	0.100	0.094	0.084	0.078	0.076	0.075	0.084	11.63
33)	TP	Cyclohexane		0.325	0.458	0.432	0.407	0.405	0.395	0.395	0.402	10.17
34)	TC	Chloroform		0.353	0.405	0.372	0.341	0.329	0.324	0.325	0.350	8.47
35)	TP	Ethyl acetate		0.107	0.148	0.150	0.151	0.141	0.153	0.144	0.142	11.25
36)	TP	Carbon tetrachloride	0.196	0.212	0.296	0.276	0.262	0.264	0.261	0.262	0.254	13.00
37)	TP	Tetrahydrofuran		0.037	0.057	0.055	0.054	0.049	0.054	0.050	0.051	13.26
38)	S	Dibromofluoromethane	0.282	0.281	0.271	0.267	0.255	0.249	0.254	0.252	0.264	5.04
39)	TP	1,1,1-Trichlor		0.269	0.346	0.320	0.300	0.298	0.292	0.293	0.302	8.02
41)	TP	2-Butanone			0.058	0.062	0.061	0.058	0.065	0.060	0.061#	4.06

Initial Calibration Summary
Form 6
Volatiles

Client	**: Tenen Environmental, LLC**	**Lab Number**	**: L2129111**
Project Name	**: 21-21 31ST STREET**	**Project Number**	**: 21-21 31ST STREET**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL17864**
Calibration dates	**: 04/20/21 16:13 04/20/21 19:56**		

Calibration Files
L11 =V22210420N04.D L1 =V22210420N05.D L2 =V22210420N08.D L3 =V22210420N09.D L4 =V22210420N10.D
L6 =V22210420N11.D L8 =V22210420N12.D L10 =V22210420N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.144	0.207	0.189	0.177	0.176	0.171	0.173	0.176	10.79
44) TP	Benzene	0.655	0.638	0.841	0.787	0.752	0.740	0.728	0.726	0.733	8.96
45) TP	Tertiary-Amyl Methyl Ether		0.380	0.438	0.415	0.435	0.443	0.456	0.446	0.430	5.91
46) S	1,2-Dichloroethane-d4	0.329	0.325	0.322	0.311	0.304	0.295	0.306	0.304	0.312	3.88
47) T	1,2-Dichloroet		0.262	0.295	0.268	0.253	0.241	0.242	0.238	0.257	7.90
50) TP	Methyl cyclohe		0.251	0.363	0.331	0.340	0.361	0.358	0.360	0.338	11.88
51) TP	Trichloroethene	0.161	0.162	0.218	0.207	0.204	0.202	0.202	0.205	0.195#	10.99
53) TP	Dibromomethane		0.102	0.121	0.110	0.107	0.109	0.111	0.109	0.110	5.18
54) TC	1,2-Dichloropr		0.161	0.230	0.217	0.213	0.210	0.209	0.209	0.207	10.38
57) TP	Bromodichlorom		0.229	0.278	0.264	0.257	0.255	0.257	0.257	0.257	5.60
60) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.14
61) TP	cis-1,3-Dichloropropene	0.197	0.232	0.311	0.308	0.316	0.316	0.320	0.319	0.290	16.49
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.243	1.268	1.271	1.246	1.255	1.301	1.274	1.278	1.267	1.50
64) TC	Toluene		0.572	0.682	0.615	0.605	0.626	0.612	0.612	0.618	5.32
65) TP	4-Methyl-2-pen			0.049	0.057	0.062	0.065	0.069	0.066	0.062#	12.19
66) TP	Tetrachloroethene		0.187	0.272	0.255	0.258	0.262	0.258	0.259	0.250	11.36
68) TP	trans-1,3-Dichloropropene	0.168	0.248	0.350	0.361	0.394	0.375	0.380	0.372	*L	0.9997
70) TP	Ethyl methacry			0.216	0.239	0.275	0.264	0.252	0.241	0.248	8.47
71) TP	1,1,2-Trichlor		0.123	0.177	0.166	0.176	0.163	0.167	0.162	0.162	11.31
72) TP	Chlorodibromom		0.140	0.223	0.244	0.261	0.248	0.253	0.249	0.231	18.21
73) TP	1,3-Dichloropr		0.258	0.371	0.359	0.372	0.346	0.351	0.338	0.342	11.44
74) TP	1,2-Dibromoethane		0.132	0.182	0.185	0.197	0.182	0.189	0.181	0.178	11.88
76) TP	2-Hexanone			0.087	0.107	0.114	0.112	0.120	0.111	0.108	10.62
77) TP	Chlorobenzene		0.642	0.784	0.703	0.686	0.688	0.672	0.670	0.692	6.45
78) TC	Ethylbenzene		1.029	1.383	1.294	1.267	1.201	1.162	1.153	1.213	9.43
79) TP	1,1,1,2-Tetrac		0.169	0.234	0.221	0.237	0.244	0.244	0.244	0.227	11.89
80) TP	p/m Xylene		0.373	0.533	0.515	0.508	0.468	0.465	0.457	0.474	11.19
81) TP	o Xylene		0.353	0.499	0.484	0.485	0.442	0.440	0.431	0.448	11.01
82) TP	Styrene		0.517	0.788	0.789	0.794	0.733	0.731	0.707	0.723	13.41
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.156	0.233	0.229	0.249	0.263	0.272	0.264	0.238	16.57
86) TP	Isopropylbenzene		1.937	2.638	2.533	2.442	2.444	2.355	2.316	2.381	9.37
87) S	4-Bromofluorobenzene	0.998	0.992	0.983	0.976	0.962	0.956	0.934	0.923	0.966	2.77
88) TP	Bromobenzene		0.486	0.565	0.522	0.504	0.508	0.497	0.494	0.511	5.22
89) TP	n-Propylbenzene		2.405	3.279	3.167	3.092	3.057	2.935	2.856	2.970	9.62

Initial Calibration Summary
Form 6
Volatiles

Client	**: Tenen Environmental, LLC**	**Lab Number**	**: L2129111**
Project Name	**: 21-21 31ST STREET**	**Project Number**	**: 21-21 31ST STREET**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL17864**
Calibration dates	**: 04/20/21 16:13 04/20/21 19:56**		

Calibration Files
L11 =V22210420N04.D L1 =V22210420N05.D L2 =V22210420N08.D L3 =V22210420N09.D L4 =V22210420N10.D
L6 =V22210420N11.D L8 =V22210420N12.D L10 =V22210420N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP	1,4-Dichlorobu		0.624	0.759	0.696	0.683	0.740	0.741	0.724	0.710	6.49
91) TP	1,1,2,2-Tetrac		0.386	0.426	0.395	0.378	0.403	0.404	0.388	0.397	4.00
92) TP	4-Ethyltoluene		1.813	2.490	2.410	2.397	2.394	2.321	2.291	2.302	9.77
93) TP	2-Chlorotoluene		1.769	2.199	2.040	1.976	1.964	1.907	1.898	1.965	6.80
94) TP	1,3,5-Trimethy		1.577	2.103	1.995	1.978	2.008	1.986	1.971	1.945	8.66
95) TP	1,2,3-Trichlor		0.324	0.384	0.341	0.335	0.354	0.364	0.349	0.350	5.71
96) TP	trans-1,4-Dich		0.083	0.121	0.126	0.132	0.141	0.145	0.138	0.127	16.46
97) TP	4-Chlorotoluene		1.474	1.968	1.836	1.797	1.791	1.746	1.720	1.762	8.52
98) TP	tert-Butylbenzene		1.277	1.861	1.840	1.800	2.059	1.993	1.965	1.828	14.22
101) TP	1,2,4-Trimethy		1.512	2.050	1.955	1.934	1.968	1.932	1.922	1.896	9.22
102) TP	sec-Butylbenzene		1.707	2.493	2.421	2.375	2.379	2.293	2.226	2.271	11.58
103) TP	p-Isopropyltol		1.578	2.215	2.147	2.126	2.183	2.117	2.070	2.062	10.59
104) TP	1,3-Dichlorobe		0.981	1.196	1.105	1.088	1.074	1.052	1.029	1.075	6.25
105) TP	1,4-Dichlorobe		1.020	1.194	1.104	1.075	1.075	1.044	1.033	1.078	5.44
106) TP	p-Diethylbenzene		0.893	1.265	1.231	1.228	1.258	1.234	1.229	1.191	11.10
107) TP	n-Butylbenzene		1.394	2.088	1.965	1.900	1.965	1.895	1.876	1.869	11.83
108) TP	1,2-Dichlorobe		0.884	1.052	0.980	0.964	0.960	0.941	0.923	0.958	5.44
109) TP	1,2,4,5-Tetram		1.281	1.733	1.762	1.780	1.807	1.757	1.739	1.694	10.86
110) TP	1,2-Dibromo-3-		0.017	0.058	0.062	0.065	0.061	0.067	0.063	*L	0.9989
111) TP	1,3,5-Trichlor		0.555	0.695	0.654	0.637	0.637	0.622	0.619	0.631	6.70
112) TP	Hexachlorobuta		0.152	0.224	0.211	0.203	0.213	0.209	0.209	0.203	11.49
113) TP	1,2,4-Trichlor		0.461	0.605	0.570	0.561	0.566	0.562	0.561	0.555	7.97
114) TP	Naphthalene		1.100	1.331	1.331	1.361	1.305	1.328	1.253	1.287	6.91
115) TP	1,2,3-Trichlor		0.431	0.548	0.492	0.497	0.488	0.491	0.477	0.489	7.02

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Method File : V122_210420N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Apr 21 12:03:56 2021
Response Via : Initial Calibration

Calibration Files
L11 =V22210420N04.D L1 =V22210420N05.D L2 =V22210420N08.D L3 =V22210420N09.D L4 =V22210420N10.D
L6 =V22210420N11.D L8 =V22210420N12.D L10 =V22210420N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.146	0.212	0.190	0.173	0.170	0.164	0.160	0.174	12.40
3)	TP	Chloromethane		0.248	0.298	0.269	0.248	0.241	0.237	0.234	0.253	8.93
4)	TC	Vinyl chloride	0.193	0.196	0.279	0.258	0.239	0.233	0.230	0.229	0.232	12.41
5)	TP	Bromomethane		0.065	0.065	0.057	0.066	0.086	0.090		0.072#	18.47
6)	TP	Chloroethane		0.126	0.170	0.154	0.141	0.132	0.117	0.101	0.134	17.26
7)	TP	Trichlorofluor...		0.245	0.339	0.309	0.282	0.274	0.267	0.267	0.283	11.01
8)	TP	Ethyl ether		0.091	0.097	0.097	0.095	0.091	0.094	0.092	0.094	2.85
10)	TC	1,1-Dichloroet...		0.147	0.202	0.181	0.169	0.166	0.161	0.161	0.170	10.33
11)	TP	Carbon disulfide		0.473	0.607	0.549	0.504	0.499	0.488	0.490	0.516	9.07
12)	TP	Freon-113		0.136	0.213	0.196	0.180	0.175	0.172	0.171	0.178	13.39
13)	TP	Iodomethane			0.059	0.098	0.126	0.139	0.132	0.141	*L	0.9984
14)	TP	Acrolein			0.017	0.019	0.019	0.018	0.019	0.018	0.018#	4.94
15)	TP	Methylene chlo...			0.232	0.203	0.187	0.178	0.176	0.174	0.192	11.63
17)	TP	Acetone			0.078	0.052	0.044	0.040	0.043	0.040	*L	0.9983
18)	TP	trans-1,2-Dich...		0.179	0.208	0.190	0.177	0.173	0.170	0.170	0.181	7.52
19)	TP	Methyl acetate		0.114	0.108	0.105	0.105	0.097	0.104	0.097	0.104	5.64
21)	TP	Methyl tert-bu...		0.368	0.461	0.434	0.434	0.412	0.424	0.406	0.420	6.91
22)	TP	tert-Butyl alc...		0.007	0.012	0.012	0.012	0.011	0.012	0.012	0.011#	17.46
24)	TP	Diisopropyl ether		0.597	0.672	0.648	0.672	0.683	0.683	0.670	0.661	4.62
25)	TP	1,1-Dichloroet...		0.359	0.454	0.421	0.391	0.380	0.372	0.369	0.392	8.68
26)	TP	Halothane		0.106	0.159	0.148	0.141	0.138	0.138	0.139	0.138	11.65
27)	TP	Acrylonitrile			0.054	0.060	0.059	0.053	0.057	0.053	0.056	5.14
28)	TP	Ethyl tert-but...		0.468	0.567	0.553	0.574	0.564	0.576	0.563	0.552	6.87
29)	TP	Vinyl acetate		0.299	0.355	0.383	0.364	0.361	0.360	0.346	0.353	7.46
30)	TP	cis-1,2-Dichlo...		0.193	0.244	0.218	0.203	0.196	0.193	0.193	0.206	9.35
31)	TP	2,2-Dichloropr...		0.247	0.328	0.287	0.277	0.268	0.263	0.261	0.276	9.55
32)	TP	Bromochloromet...		0.079	0.100	0.094	0.084	0.078	0.076	0.075	0.084	11.63
33)	TP	Cyclohexane		0.325	0.458	0.432	0.407	0.405	0.395	0.395	0.402	10.17
34)	TC	Chloroform		0.353	0.405	0.372	0.341	0.329	0.324	0.325	0.350	8.47
35)	TP	Ethyl acetate		0.107	0.148	0.150	0.151	0.141	0.153	0.144	0.142	11.25

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Method File : V122_210420N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Apr 21 12:03:56 2021
Response Via : Initial Calibration

Calibration Files
L11 =V22210420N04.D L1 =V22210420N05.D L2 =V22210420N08.D L3 =V22210420N09.D L4 =V22210420N10.D
L6 =V22210420N11.D L8 =V22210420N12.D L10 =V22210420N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
36)	TP	Carbon tetrach...	0.196	0.212	0.296	0.276	0.262	0.264	0.261	0.262	0.254	13.00
37)	TP	Tetrahydrofuran		0.037	0.057	0.055	0.054	0.049	0.054	0.050	0.051	13.26
38)	S	Dibromofluorom...	0.282	0.281	0.271	0.267	0.255	0.249	0.254	0.252	0.264	5.04
39)	TP	1,1,1-Trichlor...		0.269	0.346	0.320	0.300	0.298	0.292	0.293	0.302	8.02
41)	TP	2-Butanone			0.058	0.062	0.061	0.058	0.065	0.060	0.061#	4.06
42)	TP	1,1-Dichloropr...		0.144	0.207	0.189	0.177	0.176	0.171	0.173	0.176	10.79
44)	TP	Benzene	0.655	0.638	0.841	0.787	0.752	0.740	0.728	0.726	0.733	8.96
45)	TP	tert-Amyl meth...		0.380	0.438	0.415	0.435	0.443	0.456	0.446	0.430	5.91
46)	S	1,2-Dichloroet...	0.329	0.325	0.322	0.311	0.304	0.295	0.306	0.304	0.312	3.88
47)	T	1,2-Dichloroet...		0.262	0.295	0.268	0.253	0.241	0.242	0.238	0.257	7.90
50)	TP	Methyl cyclohe...		0.251	0.363	0.331	0.340	0.361	0.358	0.360	0.338	11.88
51)	TP	Trichloroethene	0.161	0.162	0.218	0.207	0.204	0.202	0.202	0.205	0.195#	10.99
53)	TP	Dibromomethane		0.102	0.121	0.110	0.107	0.109	0.111	0.109	0.110	5.18
54)	TC	1,2-Dichloropr...		0.161	0.230	0.217	0.213	0.210	0.209	0.209	0.207	10.38
57)	TP	Bromodichlorom...		0.229	0.278	0.264	0.257	0.255	0.257	0.257	0.257	5.60
60)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.14
61)	TP	cis-1,3-Dichlo...	0.197	0.232	0.311	0.308	0.316	0.316	0.320	0.319	0.290	16.49
62)	I	Chlorobenzene-d5	----------ISTD----------									
63)	S	Toluene-d8	1.243	1.268	1.271	1.246	1.255	1.301	1.274	1.278	1.267	1.50
64)	TC	Toluene		0.572	0.682	0.615	0.605	0.626	0.612	0.612	0.618	5.32
65)	TP	4-Methyl-2-pen...			0.049	0.057	0.062	0.065	0.069	0.066	0.062#	12.19
66)	TP	Tetrachloroethene		0.187	0.272	0.255	0.258	0.262	0.258	0.259	0.250	11.36
68)	TP	trans-1,3-Dich...	0.168	0.248	0.350	0.361	0.394	0.375	0.380	0.372	*L	0.9997
70)	TP	Ethyl methacry...			0.216	0.239	0.275	0.264	0.252	0.241	0.248	8.47
71)	TP	1,1,2-Trichlor...		0.123	0.177	0.166	0.176	0.163	0.167	0.162	0.162	11.31
72)	TP	Chlorodibromom...		0.140	0.223	0.244	0.261	0.248	0.253	0.249	0.231	18.21
73)	TP	1,3-Dichloropr...		0.258	0.371	0.359	0.372	0.346	0.351	0.338	0.342	11.44
74)	TP	1,2-Dibromoethane		0.132	0.182	0.185	0.197	0.182	0.189	0.181	0.178	11.88
76)	TP	2-Hexanone			0.087	0.107	0.114	0.112	0.120	0.111	0.108	10.62
77)	TP	Chlorobenzene		0.642	0.784	0.703	0.686	0.688	0.672	0.670	0.692	6.45
78)	TC	Ethylbenzene		1.029	1.383	1.294	1.267	1.201	1.162	1.153	1.213	9.43

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Method File : V122_210420N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Apr 21 12:03:56 2021
Response Via : Initial Calibration

Calibration Files
L11 =V22210420N04.D L1 =V22210420N05.D L2 =V22210420N08.D L3 =V22210420N09.D L4 =V22210420N10.D
L6 =V22210420N11.D L8 =V22210420N12.D L10 =V22210420N13.D

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
79)	TP	1,1,1,2-Tetrac...		0.169	0.234	0.221	0.237	0.244	0.244	0.244	0.227		11.89
80)	TP	p/m Xylene		0.373	0.533	0.515	0.508	0.468	0.465	0.457	0.474		11.19
81)	TP	o Xylene		0.353	0.499	0.484	0.485	0.442	0.440	0.431	0.448		11.01
82)	TP	Styrene		0.517	0.788	0.789	0.794	0.733	0.731	0.707	0.723		13.41
83)	I	1,4-Dichlorobenzene-d4		----------ISTD----------									
84)	TP	Bromoform		0.156	0.233	0.229	0.249	0.263	0.272	0.264	0.238		16.57
86)	TP	Isopropylbenzene		1.937	2.638	2.533	2.442	2.444	2.355	2.316	2.381		9.37
87)	S	4-Bromofluorob...	0.998	0.992	0.983	0.976	0.962	0.956	0.934	0.923	0.966		2.77
88)	TP	Bromobenzene		0.486	0.565	0.522	0.504	0.508	0.497	0.494	0.511		5.22
89)	TP	n-Propylbenzene		2.405	3.279	3.167	3.092	3.057	2.935	2.856	2.970		9.62
90)	TP	1,4-Dichlorobu...		0.624	0.759	0.696	0.683	0.740	0.741	0.724	0.710		6.49
91)	TP	1,1,2,2-Tetrac...		0.386	0.426	0.395	0.378	0.403	0.404	0.388	0.397		4.00
92)	TP	4-Ethyltoluene		1.813	2.490	2.410	2.397	2.394	2.321	2.291	2.302		9.77
93)	TP	2-Chlorotoluene		1.769	2.199	2.040	1.976	1.964	1.907	1.898	1.965		6.80
94)	TP	1,3,5-Trimethy...		1.577	2.103	1.995	1.978	2.008	1.986	1.971	1.945		8.66
95)	TP	1,2,3-Trichlor...		0.324	0.384	0.341	0.335	0.354	0.364	0.349	0.350		5.71
96)	TP	trans-1,4-Dich...		0.083	0.121	0.126	0.132	0.141	0.145	0.138	0.127		16.46
97)	TP	4-Chlorotoluene		1.474	1.968	1.836	1.797	1.791	1.746	1.720	1.762		8.52
98)	TP	tert-Butylbenzene		1.277	1.861	1.840	1.800	2.059	1.993	1.965	1.828		14.22
101)	TP	1,2,4-Trimethy...		1.512	2.050	1.955	1.934	1.968	1.932	1.922	1.896		9.22
102)	TP	sec-Butylbenzene		1.707	2.493	2.421	2.375	2.379	2.293	2.226	2.271		11.58
103)	TP	p-Isopropyltol...		1.578	2.215	2.147	2.126	2.183	2.117	2.070	2.062		10.59
104)	TP	1,3-Dichlorobe...		0.981	1.196	1.105	1.088	1.074	1.052	1.029	1.075		6.25
105)	TP	1,4-Dichlorobe...		1.020	1.194	1.104	1.075	1.075	1.044	1.033	1.078		5.44
106)	TP	p-Diethylbenzene		0.893	1.265	1.231	1.228	1.258	1.234	1.229	1.191		11.10
107)	TP	n-Butylbenzene		1.394	2.088	1.965	1.900	1.965	1.895	1.876	1.869		11.83
108)	TP	1,2-Dichlorobe...		0.884	1.052	0.980	0.964	0.960	0.941	0.923	0.958		5.44
109)	TP	1,2,4,5-Tetram...		1.281	1.733	1.762	1.780	1.807	1.757	1.739	1.694		10.86
110)	TP	1,2-Dibromo-3-...		0.017	0.058	0.062	0.065	0.061	0.067	0.063	*L		0.9989
111)	TP	1,3,5-Trichlor...		0.555	0.695	0.654	0.637	0.637	0.622	0.619	0.631		6.70
112)	TP	Hexachlorobuta...		0.152	0.224	0.211	0.203	0.213	0.209	0.209	0.203		11.49

Method Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Method File : V122_210420N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Apr 21 12:03:56 2021
Response Via : Initial Calibration

Calibration Files
L11 =V22210420N04.D L1 =V22210420N05.D L2 =V22210420N08.D L3 =V22210420N09.D L4 =V22210420N10.D
L6 =V22210420N11.D L8 =V22210420N12.D L10 =V22210420N13.D

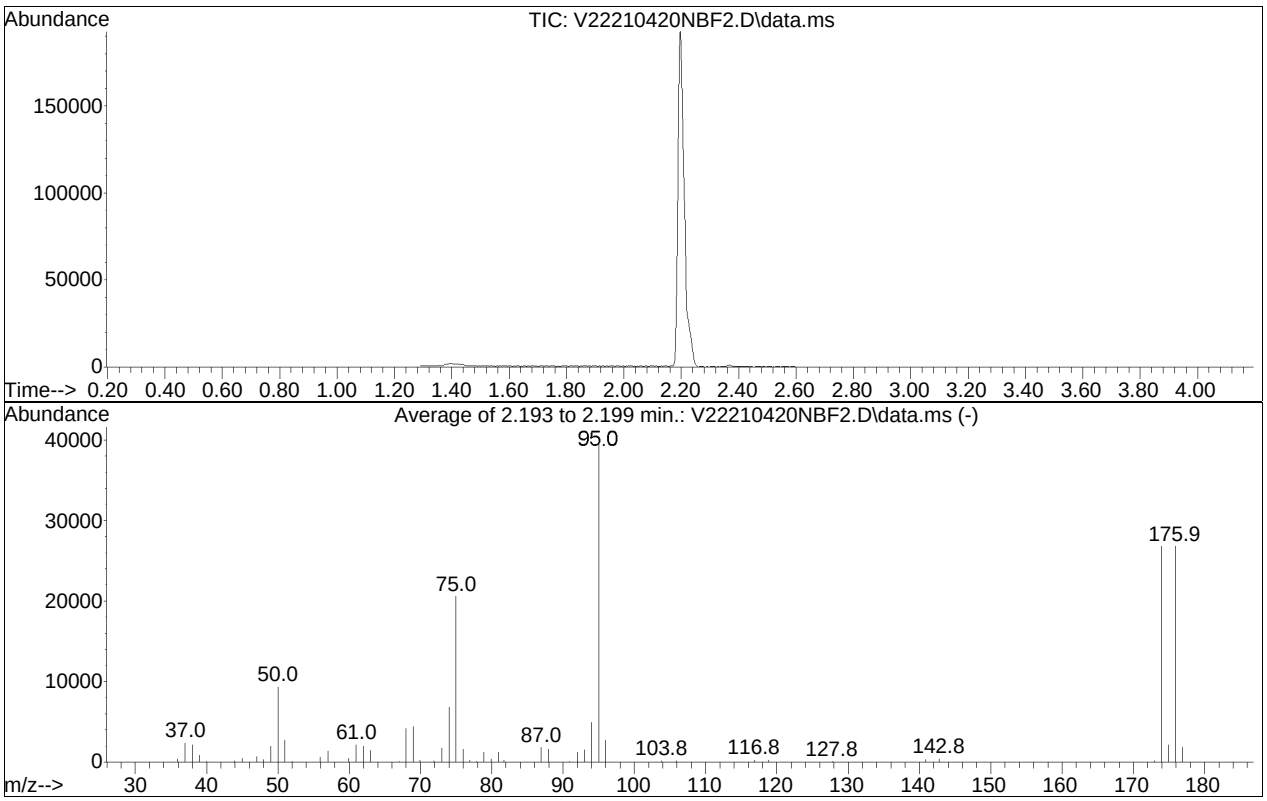
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
113)	TP 1,2,4-Trichlor...	0.461	0.605	0.570	0.561	0.566	0.562	0.561	0.555		7.97
114)	TP Naphthalene	1.100	1.331	1.331	1.361	1.305	1.328	1.253	1.287		6.91
115)	TP 1,2,3-Trichlor...	0.431	0.548	0.492	0.497	0.488	0.491	0.477	0.489		7.02

(#) = Out of Range

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420NBF2.D
Acq On : 20 Apr 2021 02:41 pm
Operator : VOA122:TMS
Sample : WG1489010-1
Misc : WG1489010
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Apr 21 12:03:56 2021



AutoFind: Scans 325, 326, 327; Background Corrected with Scan 315

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.6	9360	PASS
75	95	30	60	52.0	20632	PASS
95	95	100	100	100.0	39669	PASS
96	95	5	9	6.9	2734	PASS
173	174	0.00	2	0.5	146	PASS
174	95	50	100	67.6	26811	PASS
175	174	5	9	7.9	2115	PASS
176	174	95	101	100.0	26811	PASS
177	176	5	9	6.7	1804	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N04.D
Acq On : 20 Apr 2021 04:13 pm
Operator : VOA122:PD
Sample : I8260STDL0.19PPB
Misc : WG1489010,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 21 12:08:00 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.660	96	215358	10.000	ug/L	0.00
Standard Area 1 = 231869			Recovery = 92.88%			
62) Chlorobenzene-d5	9.169	117	171621	10.000	ug/L	0.00
Standard Area 1 = 170464			Recovery = 100.68%			
83) 1,4-Dichlorobenzene-d4	11.956	152	83668	10.000	ug/L	0.00
Standard Area 1 = 90434			Recovery = 92.52%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	60819	10.710	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.10%			
46) 1,2-Dichloroethane-d4	5.379	65	70838	10.542	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.42%			
63) Toluene-d8	7.341	98	213275	9.808	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.08%			
87) 4-Bromofluorobenzene	10.708	95	83481	10.332	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.32%			
Target Compounds						Qvalue
4) Vinyl chloride	1.706	62	788	0.158	ug/L	91
36) Carbon tetrachloride	4.822	117	803	0.147	ug/L #	62
44) Benzene	5.254	78	2681	0.170	ug/L #	86
51) Trichloroethene	5.837	95	657	0.156	ug/L #	64
61) cis-1,3-Dichloropropene	7.142	75	805	0.129	ug/L #	70
64) Toluene	7.400	92	1757	0.166	ug/L	91
68) trans-1,3-Dichloropropene	7.886	75	549	0.207	ug/L #	52
78) Ethylbenzene	9.241	91	3432	0.165	ug/L	92
80) p/m Xylene	9.431	106	2417	0.297	ug/L	99
81) o Xylene	9.970	106	2142	0.279	ug/L	90
82) Styrene	10.050	104	3076	0.248	ug/L	95

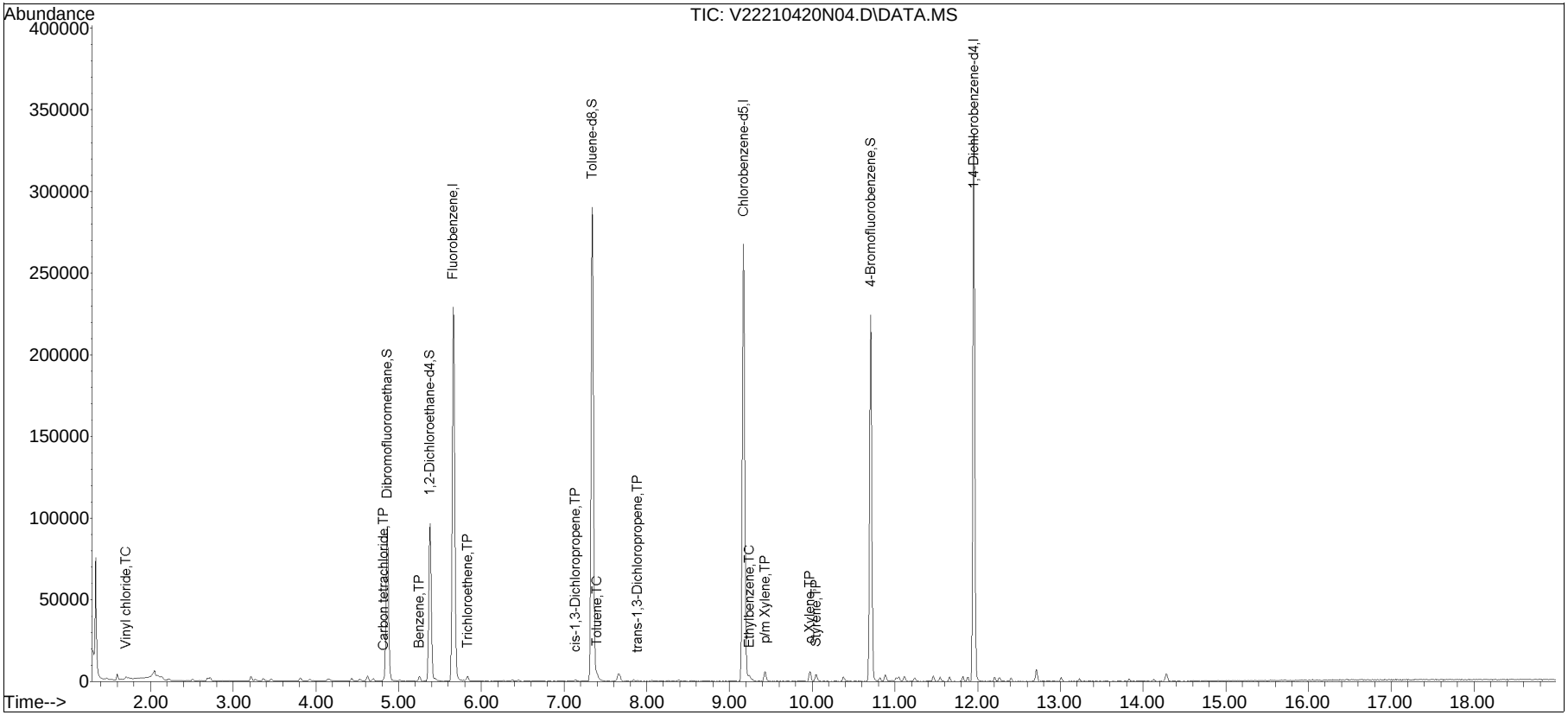
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N04.D
Acq On : 20 Apr 2021 04:13 pm
Operator : VOA122:PD
Sample : I8260STDL0.19PPB
Misc : WG1489010,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 21 12:08:00 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR product\V22210420N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2Q	Method	: V122_210420N_8260.m
Data File	: V22210420N04.D	Operator	: VOA122:PD
Date Inj'd	: 4/20/2021 4:13 pm	Instrument	: VOA122
Sample	: I8260STDL0.19PPB	Quant Date	: 4/21/2021 12:07 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N05.D
Acq On : 20 Apr 2021 04:38 pm
Operator : VOA122:PD
Sample : I8260STDL0.5PPB
Misc : WG1489010,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 21 18:18:47 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 18:18:41 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.660	96	208396	10.000 ug/L	0.00
Standard Area 1 = 231869			Recovery = 89.88%		
62) Chlorobenzene-d5	9.170	117	163584	10.000 ug/L	0.00
Standard Area 1 = 170464			Recovery = 95.96%		
83) 1,4-Dichlorobenzene-d4	11.956	152	80910	10.000 ug/L	0.00
Standard Area 1 = 90434			Recovery = 89.47%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	58481	10.643 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.43%		
46) 1,2-Dichloroethane-d4	5.379	65	67825	10.431 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.31%		
63) Toluene-d8	7.341	98	207374	10.005 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.05%		
87) 4-Bromofluorobenzene	10.708	95	80279	10.275 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.75%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.469	85	1520	0.420 ug/L #	83
3) Chloromethane	1.671	50	2581	0.489 ug/L #	86
4) Vinyl chloride	1.706	62	2043	0.422 ug/L	93
5) Bromomethane	1.985	94	676	0.454 ug/L	92
6) Chloroethane	2.089	64	1314	0.469 ug/L	99
7) Trichlorofluoromethane	2.222	101	2552	0.432 ug/L	100
8) Ethyl ether	2.508	74	948	0.484 ug/L #	1
10) 1,1-Dichloroethene	2.689	96	1536	0.435 ug/L #	75
11) Carbon disulfide	2.717	76	4927	0.459 ug/L	93
12) Freon-113	2.724	101	1418	0.383 ug/L	94
13) Iodomethane	2.814	142	79	1.523 ug/L #	44
14) Acrolein	0.000		0	N.D.	
15) Methylene chloride	3.219	84	3421	0.856 ug/L #	73
17) Acetone	3.260	43	1920	0.241 ug/L #	80
18) trans-1,2-Dichloroethene	3.365	96	1869	0.495 ug/L	86
19) Methyl acetate	3.379	43	1189	0.546 ug/L #	50
21) Methyl tert-butyl ether	3.463	73	3835	0.438 ug/L #	82
22) tert-Butyl alcohol	3.539	59	358	1.536 ug/L #	59
24) Diisopropyl ether	3.811	45	6217	0.452 ug/L #	89
25) 1,1-Dichloroethane	3.923	63	3736	0.457 ug/L	94
26) Halothane	3.985	117	1104	0.383 ug/L #	71

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N05.D
Acq On : 20 Apr 2021 04:38 pm
Operator : VOA122:PD
Sample : I8260STDL0.5PPB
Misc : WG1489010,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 21 18:18:47 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 18:18:41 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.985	53	157	0.135	ug/L	#	56
28) Ethyl tert-butyl ether	4.146	59	4876	0.424	ug/L		93
29) Vinyl acetate	4.174	43	3112	0.424	ug/L	#	71
30) cis-1,2-Dichloroethene	4.432	96	2015	0.469	ug/L	#	78
31) 2,2-Dichloropropane	4.536	77	2573	0.448	ug/L	#	75
32) Bromochloromethane	4.620	128	818	0.469	ug/L	#	39
33) Cyclohexane	4.627	56	3387	0.404	ug/L		69
34) Chloroform	4.690	83	3674	0.504	ug/L		95
35) Ethyl acetate	4.822	43	1115	0.377	ug/L	#	65
36) Carbon tetrachloride	4.822	117	2206	0.417	ug/L		96
37) Tetrahydrofuran	4.836	42	385	0.364	ug/L	#	37
39) 1,1,1-Trichloroethane	4.885	97	2800	0.444	ug/L	#	87
41) 2-Butanone	4.996	43	205	0.162	ug/L	#	22
42) 1,1-Dichloropropene	5.018	75	1498	0.407	ug/L		82
44) Benzene	5.246	78	6646	0.435	ug/L	#	93
45) tert-Amyl methyl ether	5.365	73	3962	0.442	ug/L	#	86
47) 1,2-Dichloroethane	5.446	62	2728	0.509	ug/L		96
50) Methyl cyclohexane	5.830	83	2614	0.372	ug/L	#	67
51) Trichloroethene	5.837	95	1689	0.416	ug/L		89
53) Dibromomethane	6.265	93	1062	0.464	ug/L	#	70
54) 1,2-Dichloropropane	6.368	63	1681	0.389	ug/L		95
57) Bromodichloromethane	6.442	83	2389	0.447	ug/L	#	93
60) 1,4-Dioxane	6.656	88	2227	87.124	ug/L	#	66
61) cis-1,3-Dichloropropene	7.135	75	2413	0.399	ug/L	#	86
64) Toluene	7.400	92	4681	0.463	ug/L		97
65) 4-Methyl-2-pentanone	7.857	58	74	0.074	ug/L	#	1
66) Tetrachloroethene	7.842	166	1528	0.374	ug/L		89
68) trans-1,3-Dichloropropene	7.886	75	2027	0.451	ug/L		87
70) Ethyl methacrylate	8.092	69	983	0.242	ug/L	#	79
71) 1,1,2-Trichloroethane	8.055	83	1003	0.379	ug/L		87
72) Chlorodibromomethane	8.266	129	1142	0.302	ug/L	#	93
73) 1,3-Dichloropropane	8.385	76	2111	0.377	ug/L		94
74) 1,2-Dibromoethane	8.535	107	1079	0.370	ug/L		94
76) 2-Hexanone	8.860	43	329	0.186	ug/L	#	30
77) Chlorobenzene	9.194	112	5254	0.464	ug/L	#	79
78) Ethylbenzene	9.241	91	8417	0.424	ug/L		95
79) 1,1,1,2-Tetrachloroethane	9.273	131	1383	0.372	ug/L	#	62
80) p/m Xylene	9.431	106	6104	0.787	ug/L		92
81) o Xylene	9.971	106	5781	0.789	ug/L		86
82) Styrene	10.050	104	8461	0.716	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N05.D
Acq On : 20 Apr 2021 04:38 pm
Operator : VOA122:PD
Sample : I8260STDL0.5PPB
Misc : WG1489010,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 21 18:18:47 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 18:18:41 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84)	Bromoform	10.058	173	632	0.328	ug/L	#	49
86)	Isopropylbenzene	10.375	105	7838	0.407	ug/L		94
88)	Bromobenzene	10.819	156	1966	0.476	ug/L		98
89)	n-Propylbenzene	10.883	91	9731	0.405	ug/L		93
90)	1,4-Dichlorobutane	10.898	55	2526	0.440	ug/L	#	90
91)	1,1,2,2-Tetrachloroethane	10.962	83	1561	0.486	ug/L	#	93
92)	4-Ethyltoluene	11.017	105	7336	0.394	ug/L		96
93)	2-Chlorotoluene	11.041	91	7157	0.450	ug/L		94
94)	1,3,5-Trimethylbenzene	11.113	105	6380	0.405	ug/L		93
95)	1,2,3-Trichloropropane	11.105	75	1309	0.462	ug/L	#	77
96)	trans-1,4-Dichloro-2-b...	11.168	53	337	0.329	ug/L	#	37
97)	4-Chlorotoluene	11.239	91	5962	0.418	ug/L		94
98)	tert-Butylbenzene	11.462	119	5165	0.349	ug/L		91
101)	1,2,4-Trimethylbenzene	11.545	105	6116	0.399	ug/L		97
102)	sec-Butylbenzene	11.657	105	6907	0.376	ug/L		97
103)	p-Isopropyltoluene	11.824	119	6385	0.383	ug/L		96
104)	1,3-Dichlorobenzene	11.872	146	3970	0.456	ug/L		94
105)	1,4-Dichlorobenzene	11.970	146	4128	0.473	ug/L	#	79
106)	p-Diethylbenzene	12.207	119	3614	0.375	ug/L		97
107)	n-Butylbenzene	12.262	91	5641	0.373	ug/L		95
108)	1,2-Dichlorobenzene	12.401	146	3577	0.462	ug/L		99
109)	1,2,4,5-Tetramethylben...	13.007	119	5181	0.378	ug/L		97
110)	1,2-Dibromo-3-chloropr...	13.188	155	69	0.466	ug/L		83
111)	1,3,5-Trichlorobenzene	13.230	180	2244	0.439	ug/L		93
112)	Hexachlorobutadiene	13.808	225	616	0.375	ug/L		93
113)	1,2,4-Trichlorobenzene	13.835	180	1866	0.415	ug/L		93
114)	Naphthalene	14.128	128	4451	0.427	ug/L		100
115)	1,2,3-Trichlorobenzene	14.295	180	1742	0.440	ug/L		98

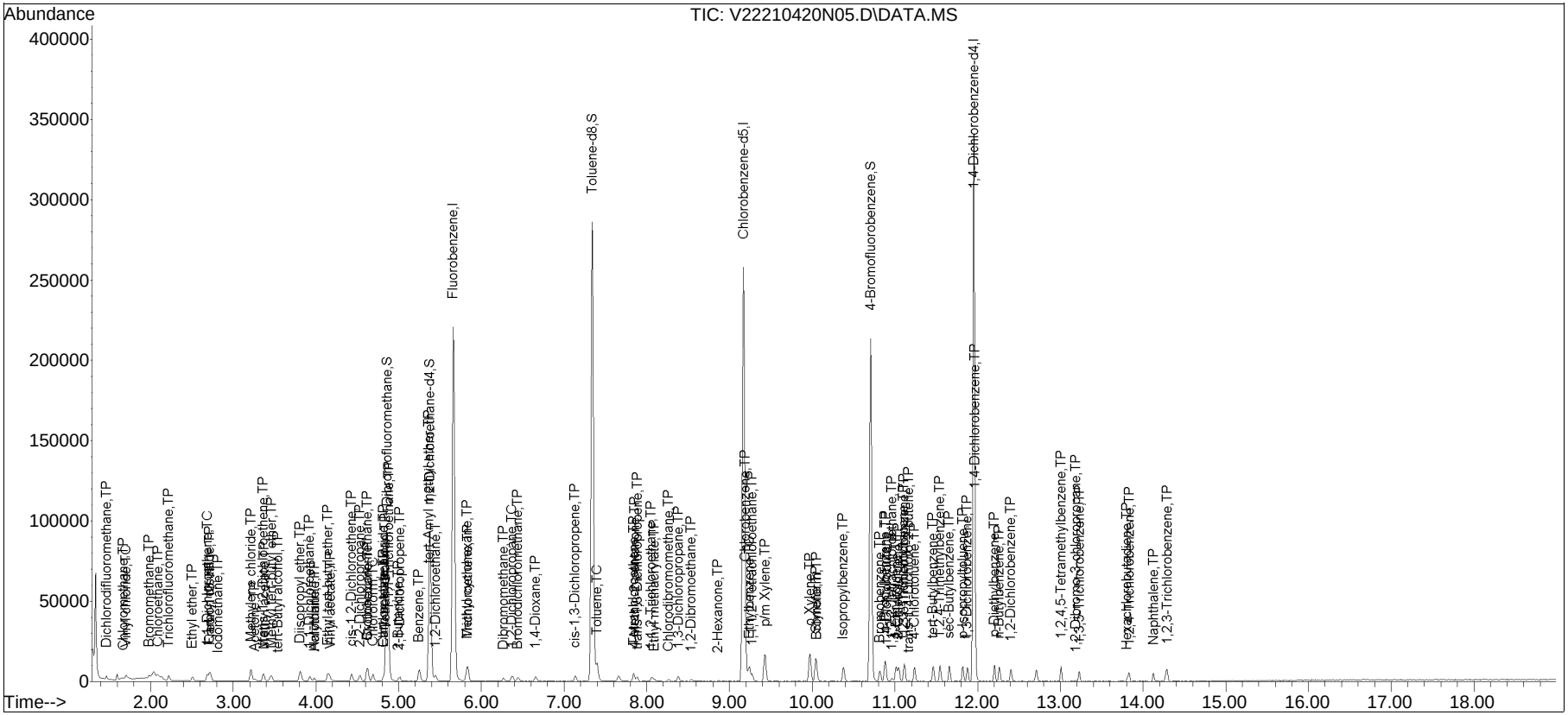
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N05.D
Acq On : 20 Apr 2021 04:38 pm
Operator : VOA122:PD
Sample : I8260STDL0.5PPB
Misc : WG1489010,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 21 18:18:47 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 18:18:41 2021
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVECAL\V22210420N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2Q	Method	: V122_210420N_8260.m
Data File	: V22210420N05.D	Operator	: VOA122:PD
Date Inj'd	: 4/20/2021 4:38 pm	Instrument	: VOA122
Sample	: I8260STDL0.5PPB	Quant Date	: 4/21/2021 6:18 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N08.D
Acq On : 20 Apr 2021 05:52 pm
Operator : VOA122:PD
Sample : I8260STDL2PPB
Misc : WG1489010,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 21 18:19:35 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 18:19:29 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.660	96	227440	10.000 ug/L	0.00
Standard Area 1 = 231869			Recovery = 98.09%		
62) Chlorobenzene-d5	9.170	117	167790	10.000 ug/L	0.00
Standard Area 1 = 170464			Recovery = 98.43%		
83) 1,4-Dichlorobenzene-d4	11.956	152	88060	10.000 ug/L	0.00
Standard Area 1 = 90434			Recovery = 97.37%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	61564	10.266 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.66%		
46) 1,2-Dichloroethane-d4	5.379	65	73251	10.322 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.22%		
63) Toluene-d8	7.341	98	213273	10.032 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.32%		
87) 4-Bromofluorobenzene	10.708	95	86576	10.181 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.81%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.469	85	9638	2.442 ug/L	96
3) Chloromethane	1.664	50	13533	2.348 ug/L	96
4) Vinyl chloride	1.706	62	12695	2.404 ug/L	94
5) Bromomethane	1.985	94	2968	1.824 ug/L	99
6) Chloroethane	2.082	64	7744	2.532 ug/L	94
7) Trichlorofluoromethane	2.222	101	15415	2.392 ug/L	99
8) Ethyl ether	2.507	74	4424	2.072 ug/L #	1
10) 1,1-Dichloroethene	2.689	96	9201	2.385 ug/L #	73
11) Carbon disulfide	2.717	76	27606	2.354 ug/L	99
12) Freon-113	2.724	101	9687	2.397 ug/L	88
13) Iodomethane	2.814	142	2672	2.344 ug/L #	94
14) Acrolein	2.995	56	768	1.836 ug/L	91
15) Methylene chloride	3.212	84	10543	2.418 ug/L #	69
17) Acetone	3.267	43	3565	1.833 ug/L #	86
18) trans-1,2-Dichloroethene	3.365	96	9454	2.295 ug/L	78
19) Methyl acetate	3.379	43	4917	2.069 ug/L #	81
21) Methyl tert-butyl ether	3.455	73	20981	2.197 ug/L #	84
22) tert-Butyl alcohol	3.546	59	2755	10.829 ug/L #	82
24) Diisopropyl ether	3.811	45	30567	2.034 ug/L	92
25) 1,1-Dichloroethane	3.930	63	20673	2.317 ug/L	96
26) Halothane	3.978	117	7210	2.290 ug/L	99

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N08.D
Acq On : 20 Apr 2021 05:52 pm
Operator : VOA122:PD
Sample : I8260STDL2PPB
Misc : WG1489010,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 21 18:19:35 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 18:19:29 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.978	53	2459	1.931	ug/L		90
28) Ethyl tert-butyl ether	4.146	59	25798	2.054	ug/L		95
29) Vinyl acetate	4.167	43	16134	2.012	ug/L	#	84
30) cis-1,2-Dichloroethene	4.431	96	11120	2.374	ug/L	#	81
31) 2,2-Dichloropropane	4.529	77	14932	2.381	ug/L	#	83
32) Bromochloromethane	4.620	128	4559	2.394	ug/L	#	57
33) Cyclohexane	4.627	56	20825	2.275	ug/L		74
34) Chloroform	4.689	83	18402	2.314	ug/L	#	95
35) Ethyl acetate	4.815	43	6716	2.081	ug/L	#	86
36) Carbon tetrachloride	4.822	117	13443	2.331	ug/L	#	94
37) Tetrahydrofuran	4.843	42	2589	2.244	ug/L	#	77
39) 1,1,1-Trichloroethane	4.891	97	15725	2.286	ug/L		92
41) 2-Butanone	4.989	43	2649	1.914	ug/L	#	58
42) 1,1-Dichloropropene	5.017	75	9402	2.342	ug/L		95
44) Benzene	5.246	78	38261	2.294	ug/L	#	92
45) tert-Amyl methyl ether	5.364	73	19910	2.034	ug/L	#	91
47) 1,2-Dichloroethane	5.446	62	13430	2.297	ug/L		96
50) Methyl cyclohexane	5.830	83	16493	2.148	ug/L	#	72
51) Trichloroethene	5.837	95	9919	2.236	ug/L		94
53) Dibromomethane	6.265	93	5487	2.199	ug/L	#	75
54) 1,2-Dichloropropane	6.376	63	10464	2.220	ug/L		96
57) Bromodichloromethane	6.442	83	12630	2.164	ug/L	#	96
60) 1,4-Dioxane	6.656	88	11642	417.318	ug/L	#	68
61) cis-1,3-Dichloropropene	7.134	75	14163	2.148	ug/L	#	86
64) Toluene	7.400	92	22885	2.207	ug/L		99
65) 4-Methyl-2-pentanone	7.842	58	1630	1.579	ug/L	#	42
66) Tetrachloroethene	7.842	166	9119	2.174	ug/L		89
68) trans-1,3-Dichloropropene	7.878	75	11738	1.981	ug/L		85
70) Ethyl methacrylate	8.085	69	7236	1.739	ug/L		95
71) 1,1,2-Trichloroethane	8.055	83	5944	2.189	ug/L		91
72) Chlorodibromomethane	8.265	129	7473	1.926	ug/L		98
73) 1,3-Dichloropropane	8.377	76	12459	2.170	ug/L		98
74) 1,2-Dibromoethane	8.535	107	6117	2.045	ug/L		99
76) 2-Hexanone	8.852	43	2903	1.597	ug/L	#	76
77) Chlorobenzene	9.185	112	26305	2.265	ug/L		98
78) Ethylbenzene	9.241	91	46405	2.281	ug/L		96
79) 1,1,1,2-Tetrachloroethane	9.273	131	7855	2.059	ug/L		96
80) p/m Xylene	9.423	106	35764	4.496	ug/L		91
81) o Xylene	9.970	106	33517	4.461	ug/L		91
82) Styrene	10.042	104	52899	4.362	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N08.D
Acq On : 20 Apr 2021 05:52 pm
Operator : VOA122:PD
Sample : I8260STDL2PPB
Misc : WG1489010,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 21 18:19:35 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 18:19:29 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84)	Bromoform	10.050	173	4111	1.962	ug/L		94
86)	Isopropylbenzene	10.375	105	46456	2.216	ug/L		97
88)	Bromobenzene	10.819	156	9959	2.214	ug/L		99
89)	n-Propylbenzene	10.875	91	57754	2.208	ug/L		96
90)	1,4-Dichlorobutane	10.890	55	13369	2.139	ug/L		97
91)	1,1,2,2-Tetrachloroethane	10.962	83	7509	2.147	ug/L		98
92)	4-Ethyltoluene	11.009	105	43847	2.163	ug/L		97
93)	2-Chlorotoluene	11.041	91	38733	2.239	ug/L		96
94)	1,3,5-Trimethylbenzene	11.112	105	37037	2.162	ug/L		97
95)	1,2,3-Trichloropropane	11.105	75	6764	2.194	ug/L		91
96)	trans-1,4-Dichloro-2-b...	11.160	53	2134	1.913	ug/L	#	76
97)	4-Chlorotoluene	11.231	91	34660	2.234	ug/L		94
98)	tert-Butylbenzene	11.462	119	32781	2.037	ug/L		95
101)	1,2,4-Trimethylbenzene	11.545	105	36113	2.163	ug/L		97
102)	sec-Butylbenzene	11.656	105	43915	2.196	ug/L		96
103)	p-Isopropyltoluene	11.817	119	39002	2.148	ug/L		98
104)	1,3-Dichlorobenzene	11.879	146	21058	2.225	ug/L		96
105)	1,4-Dichlorobenzene	11.970	146	21029M2	2.215	ug/L		
106)	p-Diethylbenzene	12.199	119	22281	2.124	ug/L		99
107)	n-Butylbenzene	12.262	91	36779	2.234	ug/L		95
108)	1,2-Dichlorobenzene	12.401	146	18521	2.196	ug/L		95
109)	1,2,4,5-Tetramethylben...	13.007	119	30513	2.045	ug/L		97
110)	1,2-Dibromo-3-chloropr...	13.195	155	1019	2.131	ug/L		97
111)	1,3,5-Trichlorobenzene	13.230	180	12233	2.201	ug/L	#	93
112)	Hexachlorobutadiene	13.807	225	3950	2.208	ug/L		98
113)	1,2,4-Trichlorobenzene	13.828	180	10650	2.178	ug/L		97
114)	Naphthalene	14.121	128	23449	2.069	ug/L		100
115)	1,2,3-Trichlorobenzene	14.288	180	9644	2.239	ug/L		98

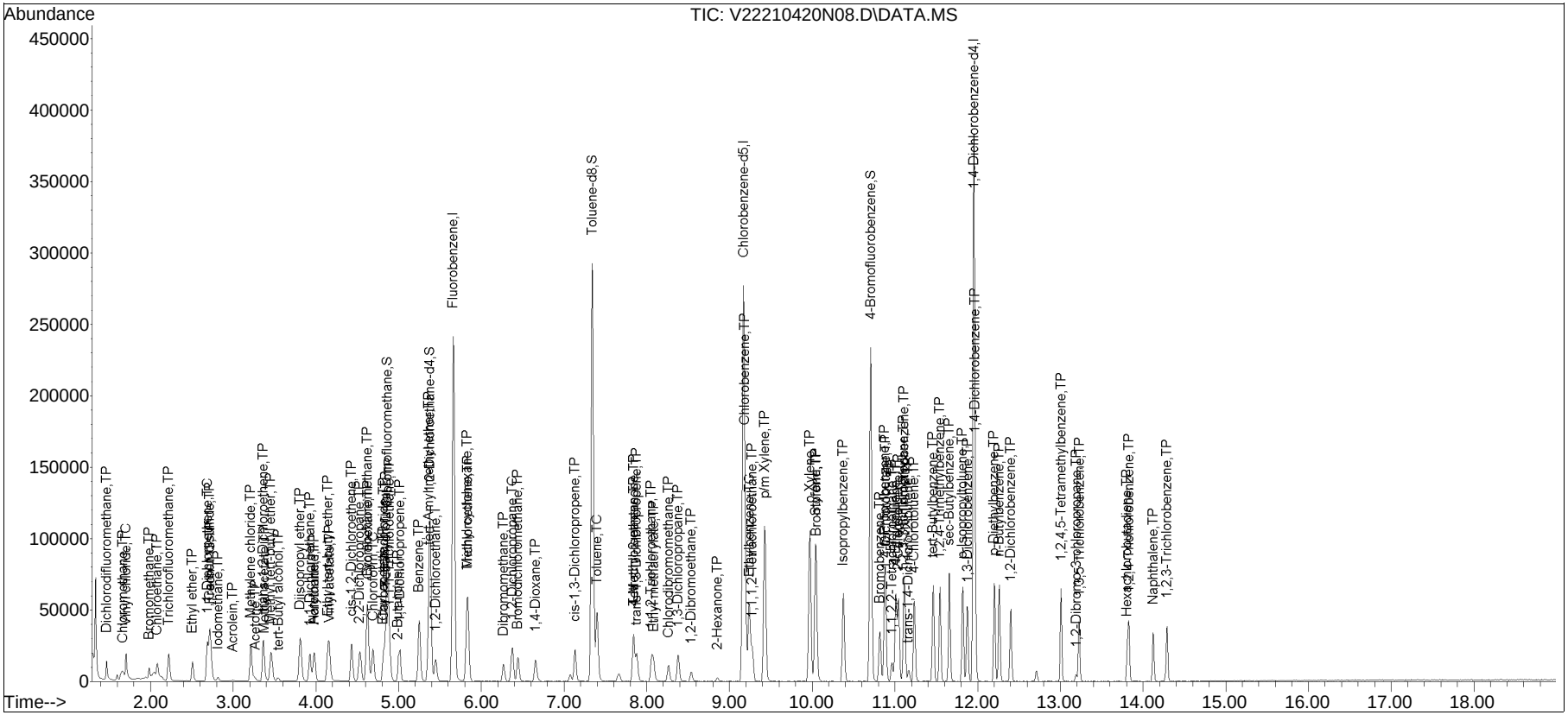
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N08.D
Acq On : 20 Apr 2021 05:52 pm
Operator : VOA122:PD
Sample : I8260STDL2PPB
Misc : WG1489010,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 21 18:19:35 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 18:19:29 2021
Response via : Initial Calibration

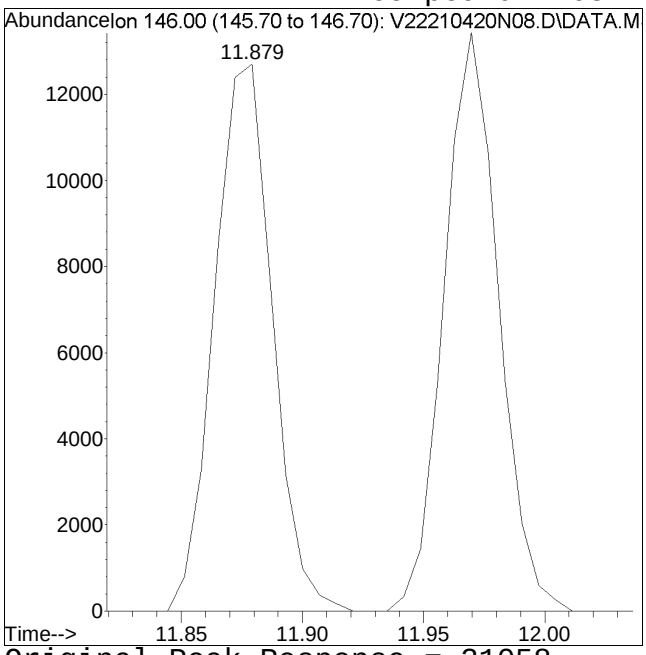
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVECAL\V22210420N09.D•

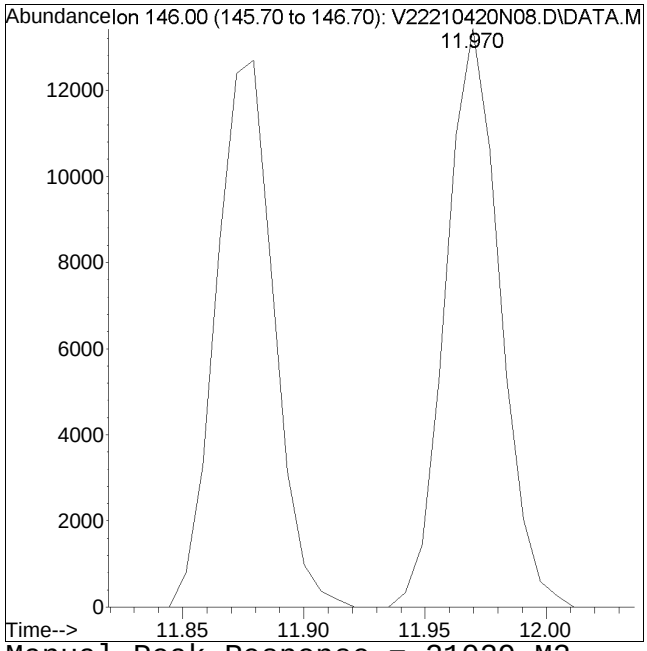


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210420N_8260.m
Data File : V22210420N08.D Operator : VOA122:PD
Date Inj'd : 4/20/2021 5:52 pm Instrument : VOA122
Sample : I8260STDL2PPB Quant Date : 4/21/2021 6:19 pm

Compound #105: 1,4-Dichlorobenzene





Original Peak Response = 21058 Manual Peak Response = 21029 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N09.D
Acq On : 20 Apr 2021 06:17 pm
Operator : VOA122:PD
Sample : I8260STDL10PPB
Misc : WG1489010,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 21 12:08:21 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.660	96	231869	10.000	ug/L	0.00
Standard Area 1 = 231869			Recovery = 100.00%			
62) Chlorobenzene-d5	9.170	117	170464	10.000	ug/L	0.00
Standard Area 1 = 170464			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	11.956	152	90434	10.000	ug/L	0.00
Standard Area 1 = 90434			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	61825	10.112	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.12%			
46) 1,2-Dichloroethane-d4	5.379	65	72044	9.958	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.58%			
63) Toluene-d8	7.341	98	212383	9.834	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.34%			
87) 4-Bromofluorobenzene	10.708	95	88281	10.109	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.09%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	43947	10.924	ug/L	96
3) Chloromethane	1.664	50	62407	10.622	ug/L	97
4) Vinyl chloride	1.706	62	59910	11.128	ug/L	97
5) Bromomethane	1.985	94	13288	8.012	ug/L	100
6) Chloroethane	2.082	64	35746	11.463	ug/L	98
7) Trichlorofluoromethane	2.222	101	71628	10.904	ug/L	100
8) Ethyl ether	2.508	74	22559	10.361	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	41895	10.652	ug/L #	67
11) Carbon disulfide	2.717	76	127287	10.646	ug/L	100
12) Freon-113	2.724	101	45445	11.030	ug/L	89
13) Iodomethane	2.814	142	22775M1	8.590	ug/L	
14) Acrolein	2.996	56	4317	10.122	ug/L	91
15) Methylene chloride	3.212	84	47040	10.582	ug/L #	69
17) Acetone	3.260	43	12048	10.776	ug/L	94
18) trans-1,2-Dichloroethene	3.365	96	44023	10.482	ug/L	79
19) Methyl acetate	3.372	43	24459	10.097	ug/L #	85
21) Methyl tert-butyl ether	3.463	73	100577	10.328	ug/L #	88
22) tert-Butyl alcohol	3.539	59	13580	52.358	ug/L #	84
24) Diisopropyl ether	3.811	45	150277	9.811	ug/L #	93
25) 1,1-Dichloroethane	3.930	63	97680	10.739	ug/L	96
26) Halothane	3.978	117	34363	10.705	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N09.D
Acq On : 20 Apr 2021 06:17 pm
Operator : VOA122:PD
Sample : I8260STDL10PPB
Misc : WG1489010,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 21 12:08:21 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.971	53	13802	10.633	ug/L		95
28) Ethyl tert-butyl ether	4.146	59	128153	10.010	ug/L		90
29) Vinyl acetate	4.160	43	88873	10.873	ug/L	#	89
30) cis-1,2-Dichloroethene	4.432	96	50601	10.596	ug/L	#	79
31) 2,2-Dichloropropane	4.529	77	66505	10.400	ug/L		86
32) Bromochloromethane	4.620	128	21803	11.230	ug/L	#	64
33) Cyclohexane	4.627	56	100093	10.727	ug/L		74
34) Chloroform	4.689	83	86147	10.624	ug/L		94
35) Ethyl acetate	4.808	43	34716	10.552	ug/L	#	92
36) Carbon tetrachloride	4.822	117	63948	10.876	ug/L		98
37) Tetrahydrofuran	4.843	42	12705	10.804	ug/L	#	85
39) 1,1,1-Trichloroethane	4.892	97	74111	10.569	ug/L		93
41) 2-Butanone	4.982	43	14345	10.168	ug/L	#	64
42) 1,1-Dichloropropene	5.018	75	43717	10.683	ug/L		95
44) Benzene	5.246	78	182421	10.728	ug/L		93
45) tert-Amyl methyl ether	5.365	73	96157	9.636	ug/L		92
47) 1,2-Dichloroethane	5.446	62	62212	10.439	ug/L		98
50) Methyl cyclohexane	5.830	83	76824	9.813	ug/L	#	72
51) Trichloroethene	5.837	95	48007	10.617	ug/L		92
53) Dibromomethane	6.265	93	25410	9.988	ug/L	#	77
54) 1,2-Dichloropropane	6.368	63	50276	10.462	ug/L		96
57) Bromodichloromethane	6.442	83	61112	10.271	ug/L		99
60) 1,4-Dioxane	6.656	88	15576	547.670	ug/L	#	68
61) cis-1,3-Dichloropropene	7.127	75	71435	10.629	ug/L	#	86
64) Toluene	7.400	92	104895	9.959	ug/L		100
65) 4-Methyl-2-pentanone	7.842	58	9799	9.346	ug/L	#	69
66) Tetrachloroethene	7.842	166	43412	10.186	ug/L		90
68) trans-1,3-Dichloropropene	7.879	75	61527	9.712	ug/L		87
70) Ethyl methacrylate	8.078	69	40817	9.655	ug/L		95
71) 1,1,2-Trichloroethane	8.063	83	28265	10.246	ug/L		96
72) Chlorodibromomethane	8.266	129	41647	10.568	ug/L		98
73) 1,3-Dichloropropane	8.377	76	61124	10.479	ug/L		99
74) 1,2-Dibromoethane	8.535	107	31517	10.372	ug/L		98
76) 2-Hexanone	8.845	43	18172	9.837	ug/L	#	87
77) Chlorobenzene	9.193	112	119828	10.158	ug/L		97
78) Ethylbenzene	9.233	91	220501	10.666	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.273	131	37591	9.697	ug/L		98
80) p/m Xylene	9.423	106	175499	21.719	ug/L		95
81) o Xylene	9.971	106	164932	21.609	ug/L		93
82) Styrene	10.042	104	269027	21.836	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N09.D
Acq On : 20 Apr 2021 06:17 pm
Operator : VOA122:PD
Sample : I8260STDL10PPB
Misc : WG1489010,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 21 12:08:21 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84)	Bromoform	10.050	173	20717	9.626	ug/L		97
86)	Isopropylbenzene	10.375	105	229108	10.641	ug/L		97
88)	Bromobenzene	10.819	156	47186	10.214	ug/L		98
89)	n-Propylbenzene	10.875	91	286443	10.664	ug/L		96
90)	1,4-Dichlorobutane	10.890	55	62969	9.812	ug/L		96
91)	1,1,2,2-Tetrachloroethane	10.962	83	35734	9.949	ug/L		100
92)	4-Ethyltoluene	11.009	105	217919	10.467	ug/L		98
93)	2-Chlorotoluene	11.041	91	184472	10.383	ug/L		97
94)	1,3,5-Trimethylbenzene	11.113	105	180440	10.256	ug/L		97
95)	1,2,3-Trichloropropane	11.105	75	30833	9.737	ug/L		91
96)	trans-1,4-Dichloro-2-b...	11.168	53	11424	9.970	ug/L	#	77
97)	4-Chlorotoluene	11.232	91	166048	10.422	ug/L		96
98)	tert-Butylbenzene	11.462	119	166370	10.065	ug/L		96
101)	1,2,4-Trimethylbenzene	11.545	105	176776	10.309	ug/L		97
102)	sec-Butylbenzene	11.657	105	218949	10.663	ug/L		96
103)	p-Isopropyltoluene	11.817	119	194185	10.412	ug/L		97
104)	1,3-Dichlorobenzene	11.872	146	99934	10.281	ug/L		96
105)	1,4-Dichlorobenzene	11.970	146	99852	10.244	ug/L		96
106)	p-Diethylbenzene	12.200	119	111308	10.333	ug/L		97
107)	n-Butylbenzene	12.262	91	177674	10.511	ug/L		98
108)	1,2-Dichlorobenzene	12.401	146	88667	10.238	ug/L		96
109)	1,2,4,5-Tetramethylben...	13.007	119	159379	10.403	ug/L		97
110)	1,2-Dibromo-3-chloropr...	13.188	155	5602	9.957	ug/L		99
111)	1,3,5-Trichlorobenzene	13.223	180	59186	10.368	ug/L	#	93
112)	Hexachlorobutadiene	13.807	225	19111	10.401	ug/L		98
113)	1,2,4-Trichlorobenzene	13.828	180	51554	10.268	ug/L		97
114)	Naphthalene	14.121	128	120370	10.342	ug/L		100
115)	1,2,3-Trichlorobenzene	14.288	180	44537	10.068	ug/L		98

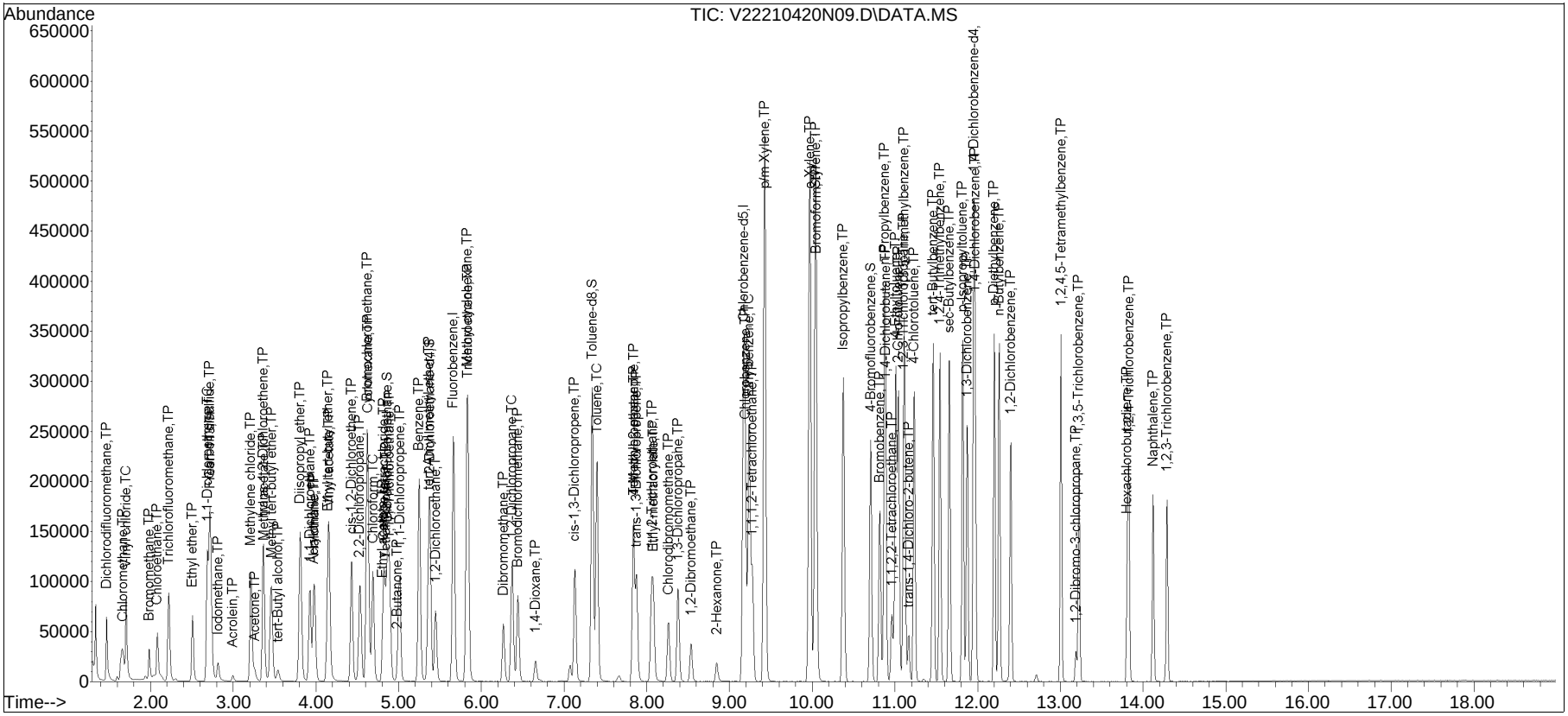
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N09.D
Acq On : 20 Apr 2021 06:17 pm
Operator : VOA122:PD
Sample : I8260STDL10PPB
Misc : WG1489010,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 21 12:08:21 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

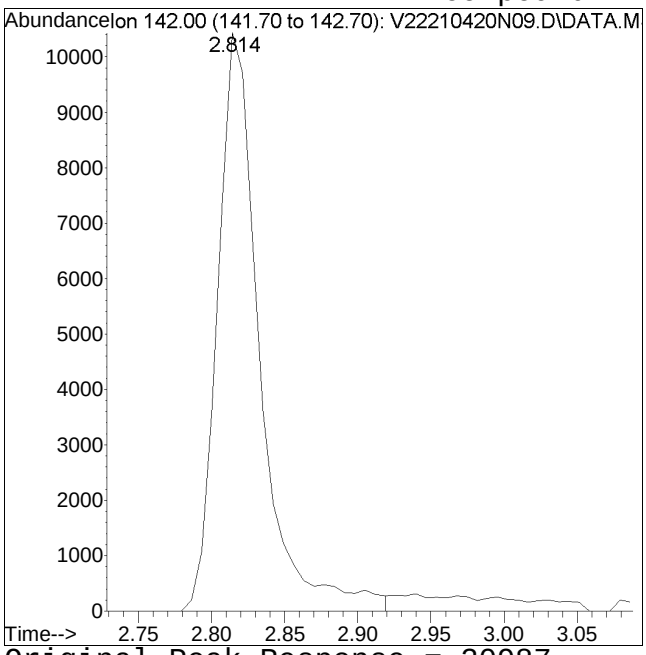
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVECAL\V22210420N09.D•

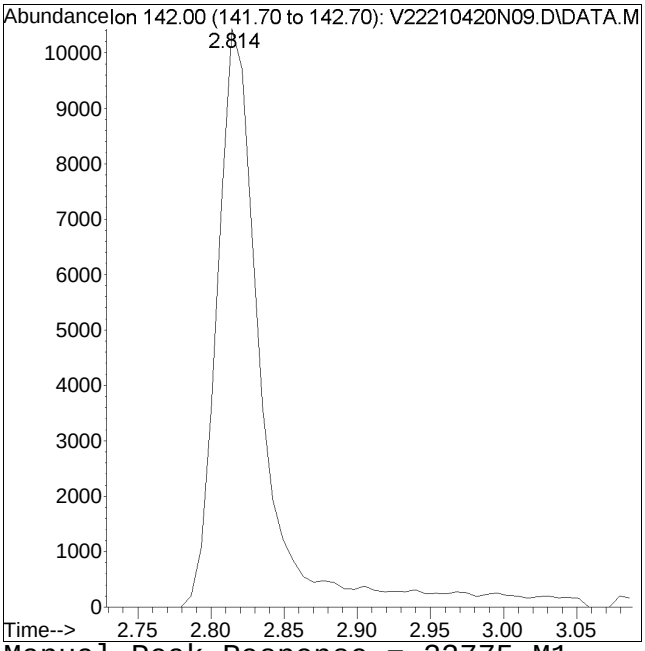


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210420N_8260.m
Data File : V22210420N09.D Operator : VOA122:PD
Date Inj'd : 4/20/2021 6:17 pm Instrument : VOA122
Sample : I8260STDL10PPB Quant Date : 4/21/2021 12:08 pm

Compound #13: Iodomethane





Original Peak Response = 20987 Manual Peak Response = 22775 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N10.D
Acq On : 20 Apr 2021 06:41 pm
Operator : VOA122:PD
Sample : I8260STDL30PPB
Misc : WG1489010,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 21 12:08:28 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.660	96	244688	10.000 ug/L	0.00
Standard Area 1 = 231869			Recovery = 105.53%		
62) Chlorobenzene-d5	9.170	117	171549	10.000 ug/L	0.00
Standard Area 1 = 170464			Recovery = 100.64%		
83) 1,4-Dichlorobenzene-d4	11.956	152	92504	10.000 ug/L	0.00
Standard Area 1 = 90434			Recovery = 102.29%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	62287	9.654 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.54%		
46) 1,2-Dichloroethane-d4	5.379	65	74400	9.745 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.45%		
63) Toluene-d8	7.341	98	215331	9.907 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.07%		
87) 4-Bromofluorobenzene	10.708	95	89027	9.966 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.66%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.469	85	126850	29.878 ug/L	97
3) Chloromethane	1.657	50	181936	29.344 ug/L	97
4) Vinyl chloride	1.706	62	175110	30.822 ug/L	98
5) Bromomethane	1.985	94	48272	27.582 ug/L	99
6) Chloroethane	2.082	64	103493	31.450 ug/L	97
7) Trichlorofluoromethane	2.222	101	207296	29.904 ug/L	100
8) Ethyl ether	2.508	74	69586	30.286 ug/L #	1
10) 1,1-Dichloroethene	2.689	96	124170	29.916 ug/L #	69
11) Carbon disulfide	2.717	76	370060	29.330 ug/L	99
12) Freon-113	2.724	101	132199	30.406 ug/L	89
13) Iodomethane	2.814	142	92285M1	28.738 ug/L	
14) Acrolein	2.996	56	14022	31.154 ug/L	95
15) Methylene chloride	3.212	84	137495	29.309 ug/L #	69
17) Acetone	3.253	43	32420	30.625 ug/L	99
18) trans-1,2-Dichloroethene	3.365	96	130266	29.390 ug/L	79
19) Methyl acetate	3.372	43	77041	30.138 ug/L #	85
21) Methyl tert-butyl ether	3.456	73	318792	31.022 ug/L #	89
22) tert-Butyl alcohol	3.539	59	44232	161.604 ug/L	95
24) Diisopropyl ether	3.811	45	492948	30.497 ug/L	93
25) 1,1-Dichloroethane	3.930	63	286948	29.895 ug/L	97
26) Halothane	3.978	117	103631	30.592 ug/L	99

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N10.D
Acq On : 20 Apr 2021 06:41 pm
Operator : VOA122:PD
Sample : I8260STDL30PPB
Misc : WG1489010,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 21 12:08:28 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.971	53	43282	31.596	ug/L		95
28) Ethyl tert-butyl ether	4.153	59	420987	31.160	ug/L		94
29) Vinyl acetate	4.160	43	267148	30.972	ug/L	#	89
30) cis-1,2-Dichloroethene	4.432	96	149278	29.622	ug/L	#	78
31) 2,2-Dichloropropane	4.536	77	203142	30.103	ug/L		87
32) Bromochloromethane	4.620	128	61600	30.066	ug/L	#	63
33) Cyclohexane	4.627	56	298883	30.354	ug/L		72
34) Chloroform	4.689	83	250464	29.271	ug/L	#	95
35) Ethyl acetate	4.808	43	110804	31.913	ug/L	#	94
36) Carbon tetrachloride	4.822	117	192403	31.008	ug/L		99
37) Tetrahydrofuran	4.836	42	39956	32.198	ug/L	#	83
39) 1,1,1-Trichloroethane	4.892	97	220131	29.749	ug/L		91
41) 2-Butanone	4.982	43	44958	30.198	ug/L	#	68
42) 1,1-Dichloropropene	5.018	75	130045	30.113	ug/L		95
44) Benzene	5.246	78	552369	30.783	ug/L	#	93
45) tert-Amyl methyl ether	5.365	73	319309	30.321	ug/L		93
47) 1,2-Dichloroethane	5.446	62	185494	29.495	ug/L		99
50) Methyl cyclohexane	5.830	83	249413	30.189	ug/L	#	74
51) Trichloroethene	5.837	95	149571	31.346	ug/L		93
53) Dibromomethane	6.265	93	78237	29.141	ug/L	#	77
54) 1,2-Dichloropropane	6.376	63	156514	30.862	ug/L		96
57) Bromodichloromethane	6.442	83	188502	30.023	ug/L		99
60) 1,4-Dioxane	6.656	88	19372	645.458	ug/L	#	64
61) cis-1,3-Dichloropropene	7.127	75	232108	32.726	ug/L	#	87
64) Toluene	7.400	92	311492	29.387	ug/L		99
65) 4-Methyl-2-pentanone	7.834	58	32145	30.466	ug/L	#	74
66) Tetrachloroethene	7.842	166	132554	30.905	ug/L		91
68) trans-1,3-Dichloropropene	7.879	75	202734	31.522	ug/L		88
70) Ethyl methacrylate	8.078	69	141718	33.312	ug/L		90
71) 1,1,2-Trichloroethane	8.055	83	90516	32.604	ug/L		94
72) Chlorodibromomethane	8.266	129	134565	33.930	ug/L		98
73) 1,3-Dichloropropane	8.377	76	191608	32.641	ug/L		100
74) 1,2-Dibromoethane	8.535	107	101326	33.136	ug/L		100
76) 2-Hexanone	8.845	43	58655	31.551	ug/L		89
77) Chlorobenzene	9.193	112	352830	29.720	ug/L		96
78) Ethylbenzene	9.233	91	652039	31.342	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.273	131	121837	31.230	ug/L		98
80) p/m Xylene	9.423	106	522872	64.298	ug/L		95
81) o Xylene	9.971	106	498735	64.931	ug/L		94
82) Styrene	10.042	104	816929	65.889	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N10.D
Acq On : 20 Apr 2021 06:41 pm
Operator : VOA122:PD
Sample : I8260STDL30PPB
Misc : WG1489010,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 21 12:08:28 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84)	Bromoform	10.050	173	69010	31.347	ug/L		99
86)	Isopropylbenzene	10.375	105	677779	30.775	ug/L		97
88)	Bromobenzene	10.819	156	139742	29.571	ug/L		100
89)	n-Propylbenzene	10.875	91	858012	31.227	ug/L		96
90)	1,4-Dichlorobutane	10.883	55	189437	28.859	ug/L		97
91)	1,1,2,2-Tetrachloroethane	10.962	83	104840	28.538	ug/L		99
92)	4-Ethyltoluene	11.009	105	665133	31.231	ug/L		98
93)	2-Chlorotoluene	11.041	91	548403	30.176	ug/L		97
94)	1,3,5-Trimethylbenzene	11.113	105	548994	30.506	ug/L		97
95)	1,2,3-Trichloropropane	11.105	75	92899	28.679	ug/L		92
96)	trans-1,4-Dichloro-2-b...	11.160	53	36739	31.346	ug/L	#	80
97)	4-Chlorotoluene	11.232	91	498615	30.595	ug/L		97
98)	tert-Butylbenzene	11.462	119	499402	29.537	ug/L		95
101)	1,2,4-Trimethylbenzene	11.545	105	536748	30.602	ug/L		97
102)	sec-Butylbenzene	11.657	105	659072	31.378	ug/L		96
103)	p-Isopropyltoluene	11.817	119	589887	30.923	ug/L		97
104)	1,3-Dichlorobenzene	11.872	146	301800	30.353	ug/L		97
105)	1,4-Dichlorobenzene	11.970	146	298210	29.908	ug/L		97
106)	p-Diethylbenzene	12.207	119	340770	30.927	ug/L		97
107)	n-Butylbenzene	12.262	91	527172	30.489	ug/L		97
108)	1,2-Dichlorobenzene	12.401	146	267457	30.192	ug/L		96
109)	1,2,4,5-Tetramethylben...	13.007	119	494038	31.525	ug/L		98
110)	1,2-Dibromo-3-chloropr...	13.188	155	17934	30.453	ug/L		99
111)	1,3,5-Trichlorobenzene	13.223	180	176719	30.265	ug/L	#	95
112)	Hexachlorobutadiene	13.814	225	56395	30.005	ug/L		99
113)	1,2,4-Trichlorobenzene	13.828	180	155613	30.300	ug/L		98
114)	Naphthalene	14.121	128	377826	31.735	ug/L		100
115)	1,2,3-Trichlorobenzene	14.288	180	137945	30.487	ug/L		98

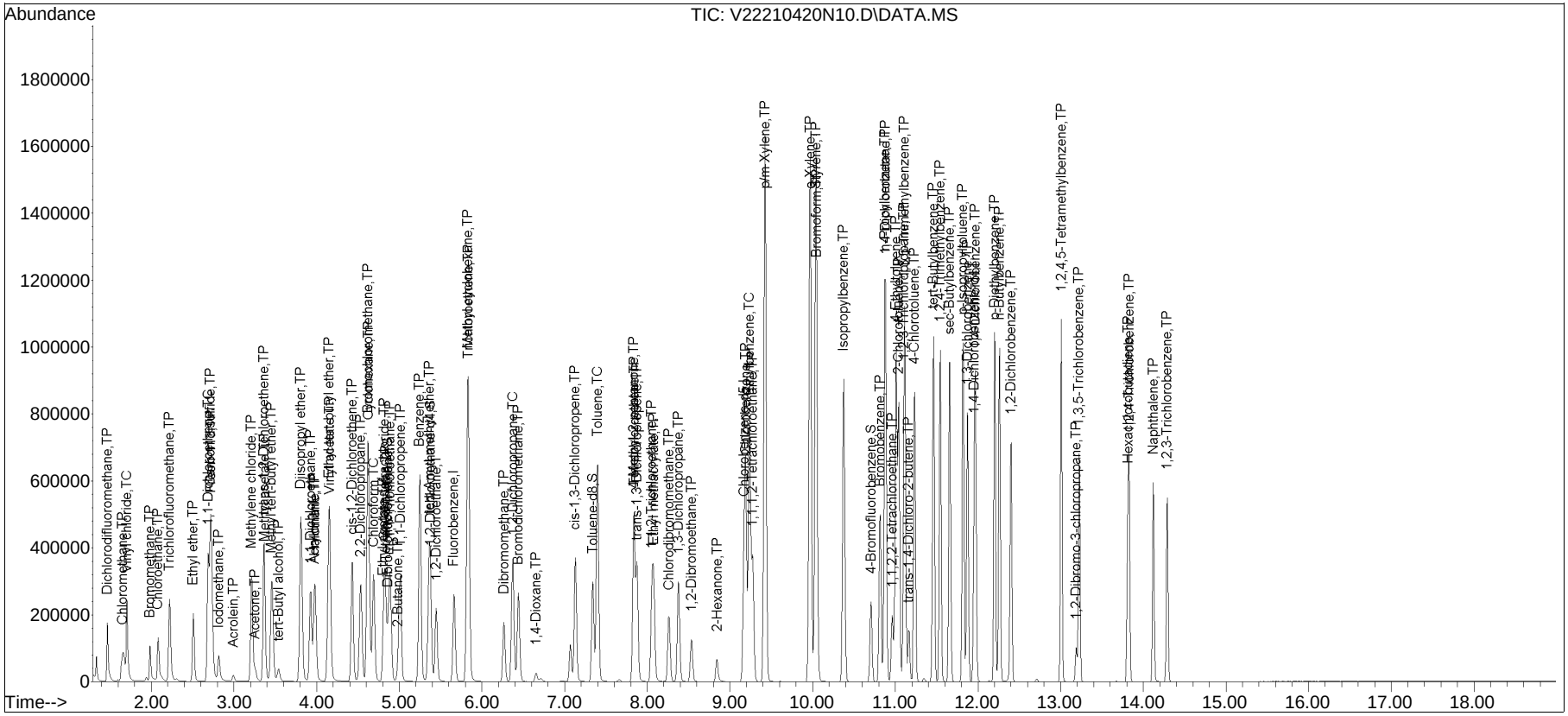
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N10.D
Acq On : 20 Apr 2021 06:41 pm
Operator : VOA122:PD
Sample : I8260STDL30PPB
Misc : WG1489010,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 21 12:08:28 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

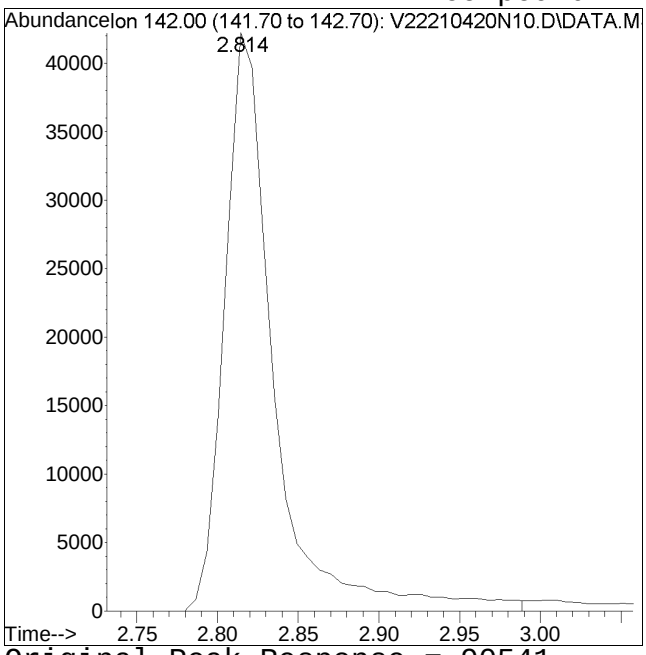
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVECAL\V22210420N09.D•

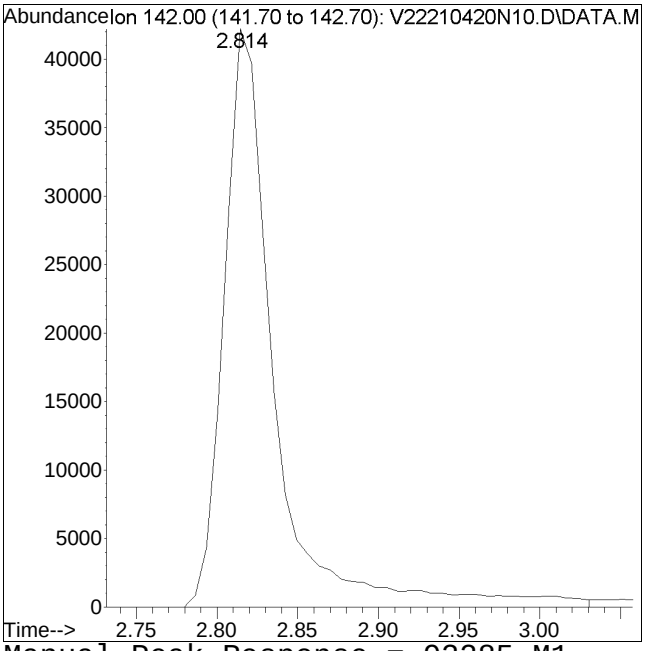


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210420N_8260.m
Data File : V22210420N10.D Operator : VOA122:PD
Date Inj'd : 4/20/2021 6:41 pm Instrument : VOA122
Sample : I8260STDL30PPB Quant Date : 4/21/2021 12:08 pm

Compound #13: Iodomethane





Original Peak Response = 90541 Manual Peak Response = 92285 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N11.D
Acq On : 20 Apr 2021 07:06 pm
Operator : VOA122:PD
Sample : I8260STDL80PPB
Misc : WG1489010,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 21 12:08:35 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	261578	10.000	ug/L	0.00
Standard Area 1 = 231869			Recovery = 112.81%			
62) Chlorobenzene-d5	9.170	117	192081	10.000	ug/L	0.00
Standard Area 1 = 170464			Recovery = 112.68%			
83) 1,4-Dichlorobenzene-d4	11.956	152	95954	10.000	ug/L	0.00
Standard Area 1 = 90434			Recovery = 106.10%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	65098	9.438	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.38%			
46) 1,2-Dichloroethane-d4	5.379	65	77145	9.452	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.52%			
63) Toluene-d8	7.341	98	249866	10.267	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.67%			
87) 4-Bromofluorobenzene	10.708	95	91720	9.898	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.98%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	356463	78.541	ug/L	97
3) Chloromethane	1.657	50	504341	76.093	ug/L	97
4) Vinyl chloride	1.706	62	488348	80.408	ug/L	99
5) Bromomethane	1.985	94	178978	95.662	ug/L	99
6) Chloroethane	2.082	64	277037	78.752	ug/L	97
7) Trichlorofluoromethane	2.222	101	573463	77.385	ug/L	100
8) Ethyl ether	2.508	74	191290	77.880	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	346581	78.111	ug/L #	69
11) Carbon disulfide	2.717	76	1044117	77.411	ug/L	99
12) Freon-113	2.731	101	367151	78.993	ug/L	89
13) Iodomethane	2.821	142	290868M1	81.815	ug/L	
14) Acrolein	2.995	56	37455	77.843	ug/L	98
15) Methylene chloride	3.212	84	373047	74.386	ug/L #	69
17) Acetone	3.260	43	82899	76.079	ug/L	99
18) trans-1,2-Dichloroethene	3.365	96	362900	76.590	ug/L	79
19) Methyl acetate	3.372	43	203910	74.618	ug/L #	86
21) Methyl tert-butyl ether	3.463	73	862451	78.507	ug/L #	89
22) tert-Butyl alcohol	3.539	59	115557	394.933	ug/L	96
24) Diisopropyl ether	3.811	45	1428537	82.671	ug/L	93
25) 1,1-Dichloroethane	3.930	63	795062	77.484	ug/L	97
26) Halothane	3.978	117	289637	79.980	ug/L	100

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N11.D
Acq On : 20 Apr 2021 07:06 pm
Operator : VOA122:PD
Sample : I8260STDL80PPB
Misc : WG1489010,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 21 12:08:35 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.971	53	110846	75.693	ug/L		97
28) Ethyl tert-butyl ether	4.153	59	1181530	81.807	ug/L		94
29) Vinyl acetate	4.160	43	754793	81.856	ug/L	#	89
30) cis-1,2-Dichloroethene	4.431	96	410180	76.138	ug/L	#	78
31) 2,2-Dichloropropane	4.536	77	561467	77.829	ug/L		88
32) Bromochloromethane	4.620	128	163556	74.673	ug/L	#	64
33) Cyclohexane	4.627	56	846945	80.461	ug/L		72
34) Chloroform	4.689	83	689118	75.335	ug/L	#	95
35) Ethyl acetate	4.808	43	294516	79.348	ug/L	#	94
36) Carbon tetrachloride	4.822	117	552648	83.315	ug/L		99
37) Tetrahydrofuran	4.836	42	102005	76.891	ug/L	#	85
39) 1,1,1-Trichloroethane	4.892	97	622909	78.746	ug/L		91
41) 2-Butanone	4.982	43	122337	76.868	ug/L	#	68
42) 1,1-Dichloropropene	5.017	75	367483	79.599	ug/L		95
44) Benzene	5.254	78	1547942	80.697	ug/L	#	93
45) tert-Amyl methyl ether	5.364	73	927633	82.399	ug/L		94
47) 1,2-Dichloroethane	5.446	62	504046	74.972	ug/L		99
50) Methyl cyclohexane	5.830	83	755532	85.545	ug/L	#	73
51) Trichloroethene	5.837	95	421711	82.673	ug/L		93
53) Dibromomethane	6.265	93	228055	79.460	ug/L	#	75
54) 1,2-Dichloropropane	6.376	63	440434	81.238	ug/L		96
57) Bromodichloromethane	6.442	83	534303	79.603	ug/L		100
60) 1,4-Dioxane	6.656	88	24322	758.061	ug/L	#	68
61) cis-1,3-Dichloropropene	7.134	75	661942	87.303	ug/L	#	88
64) Toluene	7.400	92	962355	81.088	ug/L		98
65) 4-Methyl-2-pentanone	7.834	58	99336	84.084	ug/L	#	75
66) Tetrachloroethene	7.842	166	402649	83.842	ug/L		90
68) trans-1,3-Dichloropropene	7.879	75	576989	79.937	ug/L		89
70) Ethyl methacrylate	8.077	69	405858	85.203	ug/L		88
71) 1,1,2-Trichloroethane	8.055	83	249734	80.339	ug/L		94
72) Chlorodibromomethane	8.266	129	381245	85.854	ug/L		98
73) 1,3-Dichloropropane	8.377	76	531216	80.821	ug/L		100
74) 1,2-Dibromoethane	8.535	107	279266	81.565	ug/L		99
76) 2-Hexanone	8.837	43	172444	82.844	ug/L		90
77) Chlorobenzene	9.193	112	1056516	79.480	ug/L		95
78) Ethylbenzene	9.241	91	1846225	79.258	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.273	131	374841	85.811	ug/L		98
80) p/m Xylene	9.423	106	1437655	157.892	ug/L		95
81) o Xylene	9.971	106	1357582	157.852	ug/L		95
82) Styrene	10.042	104	2253814	162.350	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N11.D
Acq On : 20 Apr 2021 07:06 pm
Operator : VOA122:PD
Sample : I8260STDL80PPB
Misc : WG1489010,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 21 12:08:35 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84)	Bromoform	10.050	173	201571	88.270	ug/L		99
86)	Isopropylbenzene	10.375	105	1876191	82.127	ug/L		98
88)	Bromobenzene	10.819	156	390177	79.598	ug/L		99
89)	n-Propylbenzene	10.875	91	2346979	82.346	ug/L		97
90)	1,4-Dichlorobutane	10.890	55	567832	83.392	ug/L		97
91)	1,1,2,2-Tetrachloroethane	10.962	83	309216	81.143	ug/L		99
92)	4-Ethyltoluene	11.009	105	1837940	83.197	ug/L		98
93)	2-Chlorotoluene	11.041	91	1507365	79.962	ug/L		96
94)	1,3,5-Trimethylbenzene	11.112	105	1541232	82.563	ug/L		97
95)	1,2,3-Trichloropropane	11.105	75	272080	80.976	ug/L		92
96)	trans-1,4-Dichloro-2-b...	11.168	53	107889	88.741	ug/L		84
97)	4-Chlorotoluene	11.231	91	1374909	81.332	ug/L		96
98)	tert-Butylbenzene	11.462	119	1580557	90.122	ug/L		93
101)	1,2,4-Trimethylbenzene	11.545	105	1510623	83.028	ug/L		97
102)	sec-Butylbenzene	11.656	105	1826042	83.810	ug/L		97
103)	p-Isopropyltoluene	11.824	119	1675469	84.672	ug/L		97
104)	1,3-Dichlorobenzene	11.872	146	824544	79.944	ug/L		97
105)	1,4-Dichlorobenzene	11.970	146	825000	79.766	ug/L		97
106)	p-Diethylbenzene	12.206	119	965734	84.495	ug/L		97
107)	n-Butylbenzene	12.262	91	1508555	84.112	ug/L		97
108)	1,2-Dichlorobenzene	12.401	146	736749	80.178	ug/L		96
109)	1,2,4,5-Tetramethylben...	13.007	119	1386878	85.316	ug/L		97
110)	1,2-Dibromo-3-chloropr...	13.188	155	47179	76.720	ug/L		98
111)	1,3,5-Trichlorobenzene	13.223	180	489101	80.753	ug/L	#	94
112)	Hexachlorobutadiene	13.814	225	163538	83.882	ug/L		98
113)	1,2,4-Trichlorobenzene	13.828	180	434859	81.630	ug/L		98
114)	Naphthalene	14.121	128	1001391	81.087	ug/L		100
115)	1,2,3-Trichlorobenzene	14.288	180	374872	79.871	ug/L		98

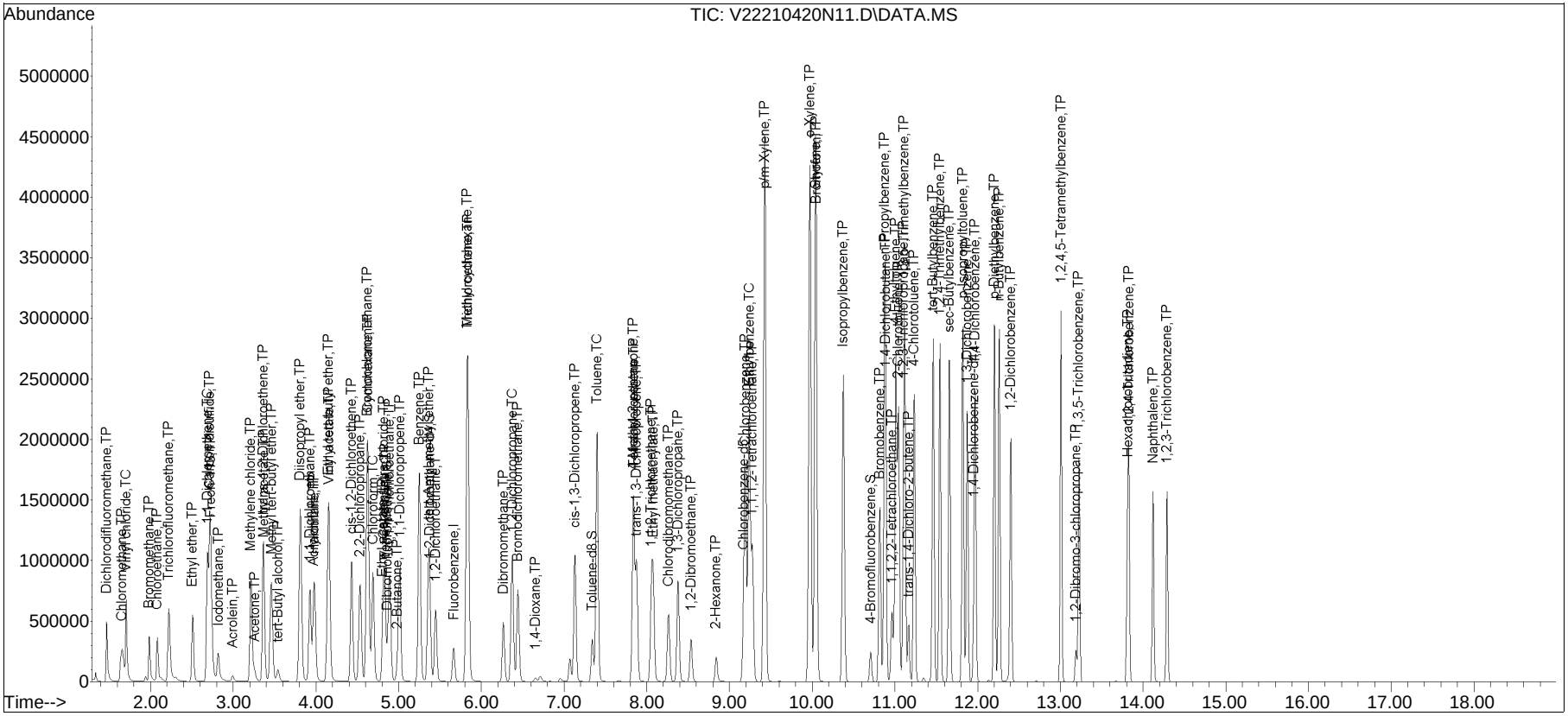
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N11.D
Acq On : 20 Apr 2021 07:06 pm
Operator : VOA122:PD
Sample : I8260STDL80PPB
Misc : WG1489010,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 21 12:08:35 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

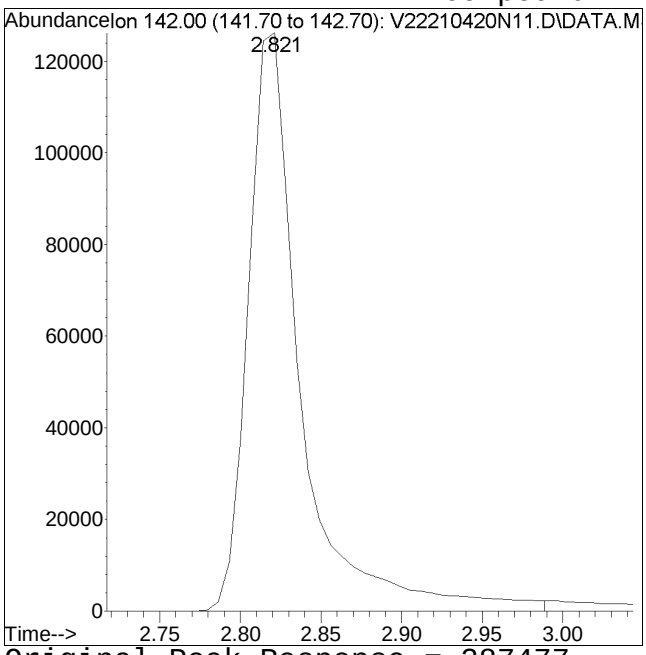
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVECAL\V22210420N09.D•

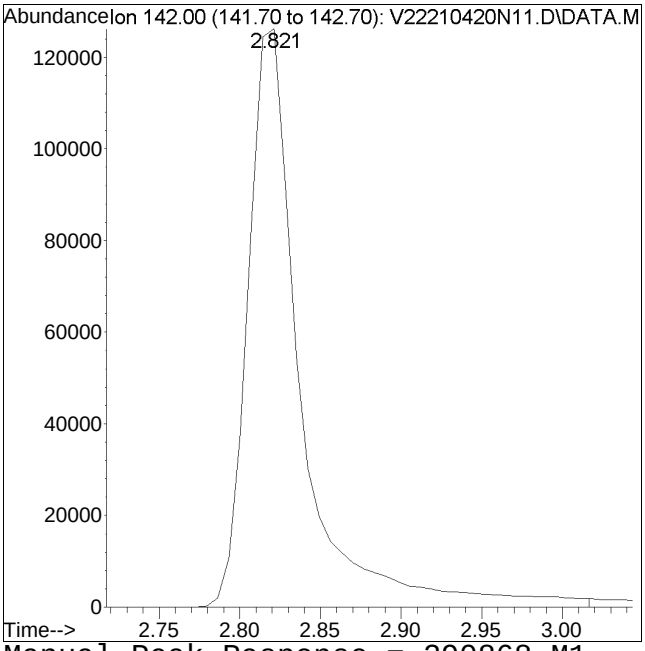


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210420N_8260.m
Data File : V22210420N11.D Operator : VOA122:PD
Date Inj'd : 4/20/2021 7:06 pm Instrument : VOA122
Sample : I8260STDL80PPB Quant Date : 4/21/2021 12:08 pm

Compound #13: Iodomethane





Original Peak Response = 287477 Manual Peak Response = 290868 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N12.D
Acq On : 20 Apr 2021 07:31 pm
Operator : VOA122:PD
Sample : I8260STDL120PPB
Misc : WG1489010,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 21 12:08:42 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.667	96	272520	10.000 ug/L	0.00
Standard Area 1 = 231869			Recovery = 117.53%		
62) Chlorobenzene-d5	9.170	117	201197	10.000 ug/L	0.00
Standard Area 1 = 170464			Recovery = 118.03%		
83) 1,4-Dichlorobenzene-d4	11.956	152	101922	10.000 ug/L	0.00
Standard Area 1 = 90434			Recovery = 112.70%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	69141	9.622 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.22%		
46) 1,2-Dichloroethane-d4	5.379	65	83262	9.792 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.92%		
63) Toluene-d8	7.341	98	256348	10.056 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.56%		
87) 4-Bromofluorobenzene	10.708	95	95246	9.677 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.77%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.469	85	537332	113.638 ug/L	98
3) Chloromethane	1.657	50	774256	112.126 ug/L	97
4) Vinyl chloride	1.706	62	752523	118.930 ug/L	98
5) Bromomethane	1.985	94	295727	151.717 ug/L	99
6) Chloroethane	2.075	64	381524M1	104.100 ug/L	
7) Trichlorofluoromethane	2.222	101	874522	113.273 ug/L	99
8) Ethyl ether	2.508	74	306812	119.898 ug/L #	1
10) 1,1-Dichloroethene	2.689	96	527503	114.112 ug/L #	69
11) Carbon disulfide	2.717	76	1596450	113.608 ug/L	99
12) Freon-113	2.724	101	562420	116.147 ug/L	89
13) Iodomethane	2.814	142	431114	115.762 ug/L	93
14) Acrolein	2.989	56	63488	126.650 ug/L	97
15) Methylene chloride	3.212	84	576154	110.272 ug/L #	69
17) Acetone	3.253	43	141780	126.194 ug/L	99
18) trans-1,2-Dichloroethene	3.365	96	555830	112.598 ug/L	79
19) Methyl acetate	3.372	43	339827	119.362 ug/L #	86
21) Methyl tert-butyl ether	3.463	73	1386796	121.169 ug/L #	89
22) tert-Butyl alcohol	3.539	59	203663	668.101 ug/L	96
24) Diisopropyl ether	3.811	45	2234141	124.101 ug/L	93
25) 1,1-Dichloroethane	3.930	63	1215287	113.683 ug/L	97
26) Halothane	3.978	117	450309	119.355 ug/L	99

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N12.D
Acq On : 20 Apr 2021 07:31 pm
Operator : VOA122:PD
Sample : I8260STDL120PPB
Misc : WG1489010,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 21 12:08:42 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.971	53	186159	122.018	ug/L		95
28) Ethyl tert-butyl ether	4.153	59	1886029	125.341	ug/L		94
29) Vinyl acetate	4.160	43	1178222	122.646	ug/L	#	89
30) cis-1,2-Dichloroethene	4.432	96	632495	112.691	ug/L	#	78
31) 2,2-Dichloropropane	4.536	77	859192	114.317	ug/L		89
32) Bromochloromethane	4.620	128	250146	109.622	ug/L	#	67
33) Cyclohexane	4.627	56	1291945	117.809	ug/L		72
34) Chloroform	4.689	83	1059310	111.155	ug/L	#	95
35) Ethyl acetate	4.808	43	501379	129.657	ug/L	#	94
36) Carbon tetrachloride	4.822	117	853569	123.514	ug/L		99
37) Tetrahydrofuran	4.836	42	175002	126.619	ug/L	#	85
39) 1,1,1-Trichloroethane	4.892	97	954692	115.843	ug/L		91
41) 2-Butanone	4.982	43	212258	128.014	ug/L	#	67
42) 1,1-Dichloropropene	5.018	75	558024	116.019	ug/L		95
44) Benzene	5.246	78	2380826	119.133	ug/L	#	92
45) tert-Amyl methyl ether	5.365	73	1490160	127.053	ug/L		95
47) 1,2-Dichloroethane	5.446	62	792656	113.165	ug/L		99
50) Methyl cyclohexane	5.830	83	1170306	127.187	ug/L	#	74
51) Trichloroethene	5.837	95	661267	124.431	ug/L		93
53) Dibromomethane	6.265	93	364304	121.836	ug/L	#	78
54) 1,2-Dichloropropane	6.376	63	685080	121.289	ug/L		96
57) Bromodichloromethane	6.442	83	839679	120.077	ug/L		99
60) 1,4-Dioxane	6.656	88	41055	1228.213	ug/L	#	63
61) cis-1,3-Dichloropropene	7.135	75	1046216	132.445	ug/L	#	88
64) Toluene	7.400	92	1477588	118.860	ug/L		98
65) 4-Methyl-2-pentanone	7.834	58	167616	135.452	ug/L	#	75
66) Tetrachloroethene	7.842	166	622642	123.776	ug/L		91
68) trans-1,3-Dichloropropene	7.879	75	916769	121.193	ug/L		89
70) Ethyl methacrylate	8.078	69	609609	122.179	ug/L		94
71) 1,1,2-Trichloroethane	8.055	83	403291	123.860	ug/L		94
72) Chlorodibromomethane	8.266	129	611913	131.555	ug/L		98
73) 1,3-Dichloropropane	8.377	76	847122	123.044	ug/L		100
74) 1,2-Dibromoethane	8.535	107	456181	127.199	ug/L		100
76) 2-Hexanone	8.837	43	288741	132.430	ug/L		91
77) Chlorobenzene	9.193	112	1622901	116.557	ug/L		95
78) Ethylbenzene	9.241	91	2806012	115.003	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.273	131	588614	128.644	ug/L		98
80) p/m Xylene	9.423	106	2245524	235.443	ug/L		97
81) o Xylene	9.971	106	2126460	236.050	ug/L		95
82) Styrene	10.042	104	3527738	242.602	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N12.D
Acq On : 20 Apr 2021 07:31 pm
Operator : VOA122:PD
Sample : I8260STDL120PPB
Misc : WG1489010,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 21 12:08:42 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84)	Bromoform	10.050	173	332476	137.069	ug/L		99
86)	Isopropylbenzene	10.375	105	2880067	118.689	ug/L		98
88)	Bromobenzene	10.819	156	608300	116.830	ug/L		99
89)	n-Propylbenzene	10.883	91	3589127	118.555	ug/L		97
90)	1,4-Dichlorobutane	10.891	55	906812	125.377	ug/L		97
91)	1,1,2,2-Tetrachloroethane	10.962	83	493865	122.009	ug/L		99
92)	4-Ethyltoluene	11.009	105	2838521	120.967	ug/L		99
93)	2-Chlorotoluene	11.041	91	2331776	116.452	ug/L		97
94)	1,3,5-Trimethylbenzene	11.121	105	2428818	122.492	ug/L		98
95)	1,2,3-Trichloropropane	11.105	75	445710	124.883	ug/L		92
96)	trans-1,4-Dichloro-2-b...	11.168	53	177836	137.709	ug/L		86
97)	4-Chlorotoluene	11.232	91	2135839	118.946	ug/L		97
98)	tert-Butylbenzene	11.462	119	2437939	130.869	ug/L		93
101)	1,2,4-Trimethylbenzene	11.545	105	2363157	122.281	ug/L		98
102)	sec-Butylbenzene	11.657	105	2804186	121.168	ug/L		97
103)	p-Isopropyltoluene	11.824	119	2589751	123.213	ug/L		97
104)	1,3-Dichlorobenzene	11.872	146	1286125	117.395	ug/L		96
105)	1,4-Dichlorobenzene	11.970	146	1276980	116.236	ug/L		97
106)	p-Diethylbenzene	12.207	119	1508793	124.280	ug/L		97
107)	n-Butylbenzene	12.262	91	2318201	121.686	ug/L		98
108)	1,2-Dichlorobenzene	12.401	146	1150783	117.902	ug/L		96
109)	1,2,4,5-Tetramethylben...	13.007	119	2149439	124.484	ug/L		98
110)	1,2-Dibromo-3-chloropr...	13.188	155	82328	125.823	ug/L		100
111)	1,3,5-Trichlorobenzene	13.230	180	760398	118.194	ug/L	#	94
112)	Hexachlorobutadiene	13.814	225	255570	123.411	ug/L		99
113)	1,2,4-Trichlorobenzene	13.828	180	687570	121.510	ug/L		98
114)	Naphthalene	14.121	128	1623741	123.782	ug/L		100
115)	1,2,3-Trichlorobenzene	14.288	180	600257	120.403	ug/L		98

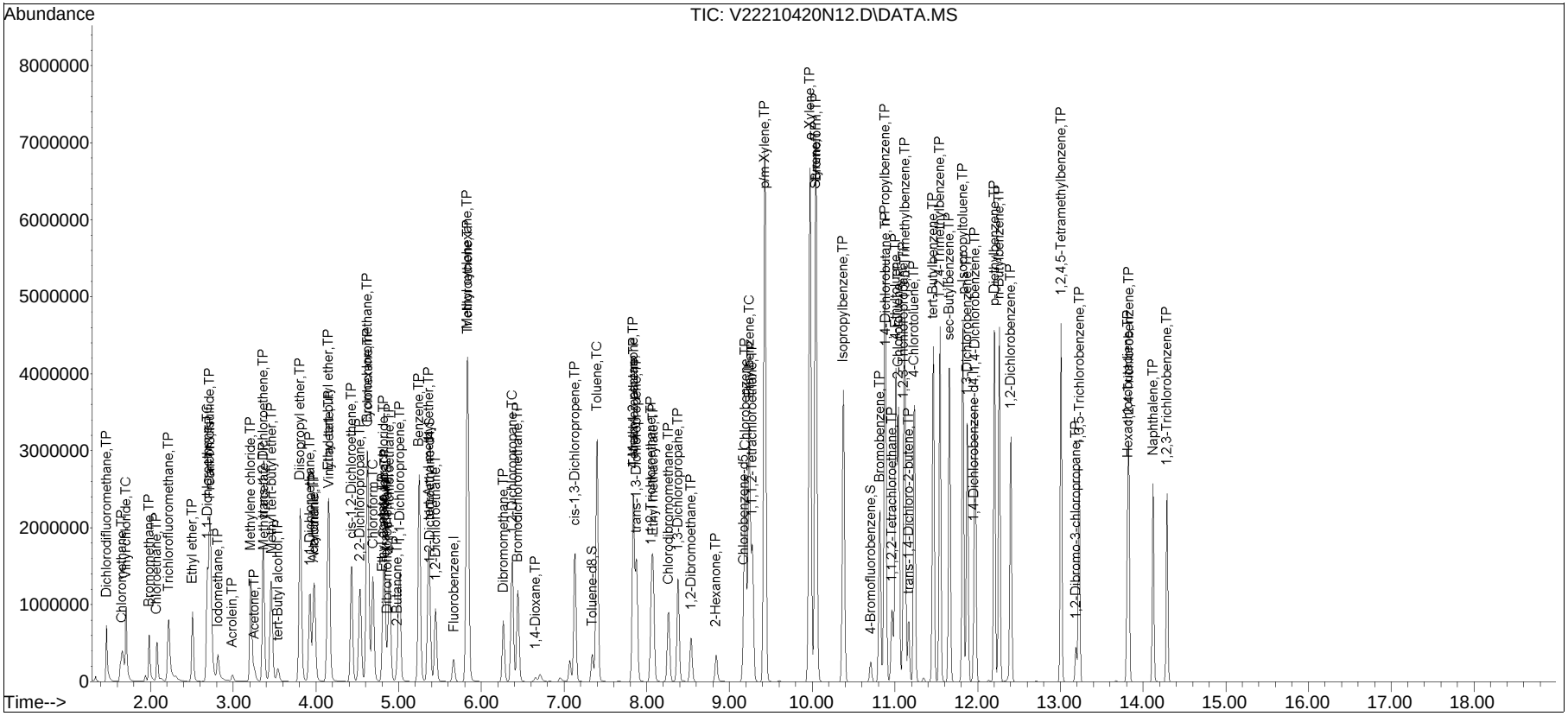
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N12.D
Acq On : 20 Apr 2021 07:31 pm
Operator : VOA122:PD
Sample : I8260STDL120PPB
Misc : WG1489010,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 21 12:08:42 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

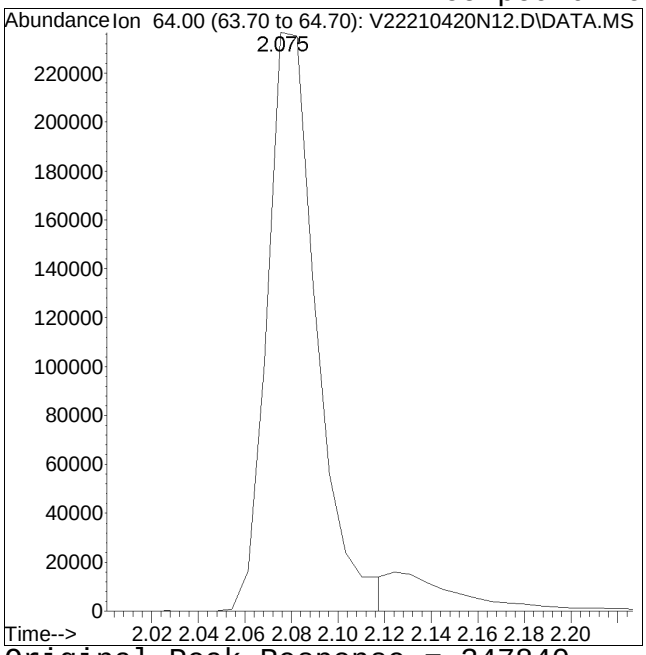
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVECAL\V22210420N09.D•

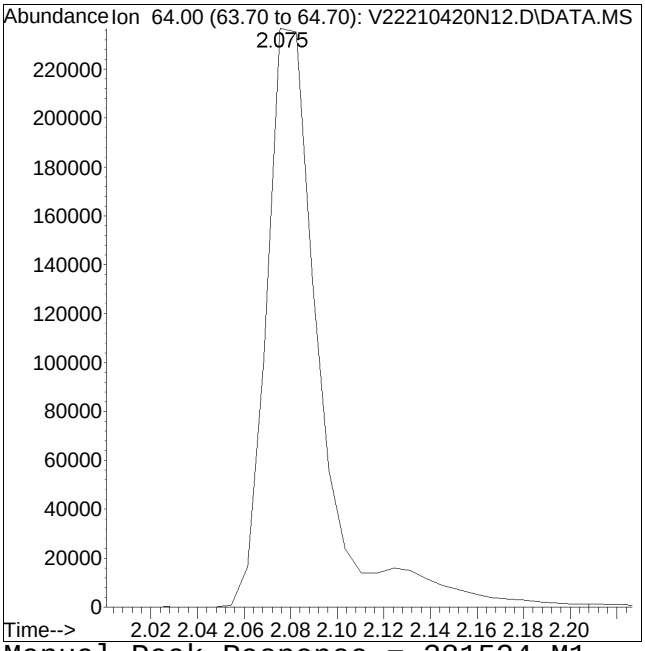


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210420N_8260.m
Data File : V22210420N12.D Operator : VOA122:PD
Date Inj'd : 4/20/2021 7:31 pm Instrument : VOA122
Sample : I8260STDL120PPB Quant Date : 4/21/2021 12:08 pm

Compound #6: Chloroethane





Original Peak Response = 347840 Manual Peak Response = 381524 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N13.D
Acq On : 20 Apr 2021 07:56 pm
Operator : VOA122:PD
Sample : I8260STDL200PPB
Misc : WG1489010,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 12:08:49 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.667	96	287718	10.000 ug/L	0.00
Standard Area 1 = 231869			Recovery = 124.09%		
62) Chlorobenzene-d5	9.169	117	213981	10.000 ug/L	0.00
Standard Area 1 = 170464			Recovery = 125.53%		
83) 1,4-Dichlorobenzene-d4	11.956	152	107158	10.000 ug/L	0.00
Standard Area 1 = 90434			Recovery = 118.49%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	72494	9.556 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.56%		
46) 1,2-Dichloroethane-d4	5.379	65	87610	9.759 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.59%		
63) Toluene-d8	7.341	98	273572	10.091 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.91%		
87) 4-Bromofluorobenzene	10.708	95	98955	9.563 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.63%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.469	85	919591	184.208 ug/L	97
3) Chloromethane	1.657	50	1344934	184.482 ug/L	97
4) Vinyl chloride	1.706	62	1319639	197.541 ug/L	98
5) Bromomethane	1.985	94	585773	284.645 ug/L	99
6) Chloroethane	2.082	64	580290M1	149.970 ug/L	
7) Trichlorofluoromethane	2.215	101	1533733	188.164 ug/L	99
8) Ethyl ether	2.507	74	527909	195.402 ug/L #	1
10) 1,1-Dichloroethene	2.689	96	926100	189.757 ug/L #	69
11) Carbon disulfide	2.717	76	2816994	189.877 ug/L	99
12) Freon-113	2.724	101	985424	192.753 ug/L	89
13) Iodomethane	2.814	142	809630	204.752 ug/L	93
14) Acrolein	2.988	56	106175	200.616 ug/L	97
15) Methylene chloride	3.212	84	1000875	181.442 ug/L #	70
17) Acetone	3.253	43	231754	196.494 ug/L	100
18) trans-1,2-Dichloroethene	3.365	96	978599	187.770 ug/L	79
19) Methyl acetate	3.372	43	559880	186.266 ug/L #	87
21) Methyl tert-butyl ether	3.462	73	2337858	193.476 ug/L	89
22) tert-Butyl alcohol	3.546	59	346766	1077.452 ug/L	96
24) Diisopropyl ether	3.811	45	3855959	202.874 ug/L	93
25) 1,1-Dichloroethane	3.930	63	2125161	188.295 ug/L	97
26) Halothane	3.978	117	800788	201.039 ug/L	99

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N13.D
Acq On : 20 Apr 2021 07:56 pm
Operator : VOA122:PD
Sample : I8260STDL200PPB
Misc : WG1489010,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 12:08:49 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.971	53	307637	190.990	ug/L		96
28) Ethyl tert-butyl ether	4.153	59	3239106	203.893	ug/L		95
29) Vinyl acetate	4.160	43	1992646	196.466	ug/L	#	90
30) cis-1,2-Dichloroethene	4.431	96	1109597	187.252	ug/L	#	78
31) 2,2-Dichloropropane	4.536	77	1500491	189.097	ug/L		89
32) Bromochloromethane	4.620	128	430472	178.681	ug/L	#	68
33) Cyclohexane	4.627	56	2275036	196.496	ug/L		73
34) Chloroform	4.689	83	1868977	185.755	ug/L	#	95
35) Ethyl acetate	4.808	43	828057	202.825	ug/L	#	95
36) Carbon tetrachloride	4.822	117	1508705	206.783	ug/L		99
37) Tetrahydrofuran	4.836	42	285788	195.853	ug/L	#	85
39) 1,1,1-Trichloroethane	4.891	97	1688034	194.007	ug/L		91
41) 2-Butanone	4.982	43	347234	198.356	ug/L	#	68
42) 1,1-Dichloropropene	5.017	75	995761	196.093	ug/L		95
44) Benzene	5.254	78	4174822	197.867	ug/L	#	92
45) tert-Amyl methyl ether	5.364	73	2566831	207.290	ug/L		95
47) 1,2-Dichloroethane	5.446	62	1368713	185.086	ug/L		99
50) Methyl cyclohexane	5.830	83	2071829	213.270	ug/L	#	74
51) Trichloroethene	5.837	95	1178555	210.054	ug/L		93
53) Dibromomethane	6.265	93	626956	198.600	ug/L	#	78
54) 1,2-Dichloropropane	6.376	63	1205332	202.125	ug/L		96
57) Bromodichloromethane	6.442	83	1477835	200.172	ug/L		100
60) 1,4-Dioxane	6.656	88	66578	1886.556	ug/L	#	66
61) cis-1,3-Dichloropropene	7.134	75	1833816	219.888	ug/L	#	89
64) Toluene	7.400	92	2618943	198.086	ug/L		97
65) 4-Methyl-2-pentanone	7.834	58	284348	216.056	ug/L	#	79
66) Tetrachloroethene	7.842	166	1110360	207.543	ug/L		91
68) trans-1,3-Dichloropropene	7.878	75	1591059	197.688	ug/L		89
70) Ethyl methacrylate	8.077	69	1030553	194.205	ug/L		100
71) 1,1,2-Trichloroethane	8.055	83	692551	199.991	ug/L		94
72) Chlorodibromomethane	8.265	129	1064140	215.111	ug/L		98
73) 1,3-Dichloropropane	8.376	76	1448615	197.841	ug/L		99
74) 1,2-Dibromoethane	8.535	107	775042	203.197	ug/L		100
76) 2-Hexanone	8.836	43	476381	205.436	ug/L		91
77) Chlorobenzene	9.193	112	2866480	193.572	ug/L		95
78) Ethylbenzene	9.241	91	4934025	190.138	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.281	131	1043171	214.369	ug/L		98
80) p/m Xylene	9.431	106	3908554	385.328	ug/L		99
81) o Xylene	9.978	106	3689063	385.044	ug/L		97
82) Styrene	10.050	104	6051869	391.321	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N13.D
Acq On : 20 Apr 2021 07:56 pm
Operator : VOA122:PD
Sample : I8260STDL200PPB
Misc : WG1489010,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 12:08:49 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84)	Bromoform	10.058	173	565972	221.930	ug/L		99
86)	Isopropylbenzene	10.375	105	4963140	194.539	ug/L		99
88)	Bromobenzene	10.819	156	1057788	193.231	ug/L		99
89)	n-Propylbenzene	10.882	91	6121554	192.325	ug/L		98
90)	1,4-Dichlorobutane	10.890	55	1551295	204.005	ug/L		97
91)	1,1,2,2-Tetrachloroethane	10.962	83	832109	195.527	ug/L		99
92)	4-Ethyltoluene	11.017	105	4910853	199.055	ug/L		100
93)	2-Chlorotoluene	11.049	91	4066784	193.177	ug/L		97
94)	1,3,5-Trimethylbenzene	11.120	105	4224006	202.620	ug/L		99
95)	1,2,3-Trichloropropane	11.104	75	747971	199.334	ug/L		92
96)	trans-1,4-Dichloro-2-b...	11.168	53	295311	217.504	ug/L		87
97)	4-Chlorotoluene	11.239	91	3687137	195.306	ug/L		97
98)	tert-Butylbenzene	11.461	119	4210651	214.985	ug/L		94
101)	1,2,4-Trimethylbenzene	11.545	105	4118360	202.690	ug/L		98
102)	sec-Butylbenzene	11.663	105	4771061	196.083	ug/L		98
103)	p-Isopropyltoluene	11.823	119	4435641	200.724	ug/L		97
104)	1,3-Dichlorobenzene	11.879	146	2205235	191.455	ug/L		96
105)	1,4-Dichlorobenzene	11.970	146	2214515	191.725	ug/L		97
106)	p-Diethylbenzene	12.206	119	2634066	206.367	ug/L		97
107)	n-Butylbenzene	12.262	91	4021403	200.775	ug/L		98
108)	1,2-Dichlorobenzene	12.401	146	1977669	192.720	ug/L		95
109)	1,2,4,5-Tetramethylben...	13.007	119	3726829	205.291	ug/L		98
110)	1,2-Dibromo-3-chloropr...	13.188	155	135618	196.951	ug/L		100
111)	1,3,5-Trichlorobenzene	13.230	180	1326820	196.160	ug/L	#	94
112)	Hexachlorobutadiene	13.814	225	448340	205.918	ug/L		99
113)	1,2,4-Trichlorobenzene	13.828	180	1202004	202.043	ug/L		97
114)	Naphthalene	14.121	128	2685292	194.705	ug/L		100
115)	1,2,3-Trichlorobenzene	14.288	180	1022478	195.074	ug/L		98

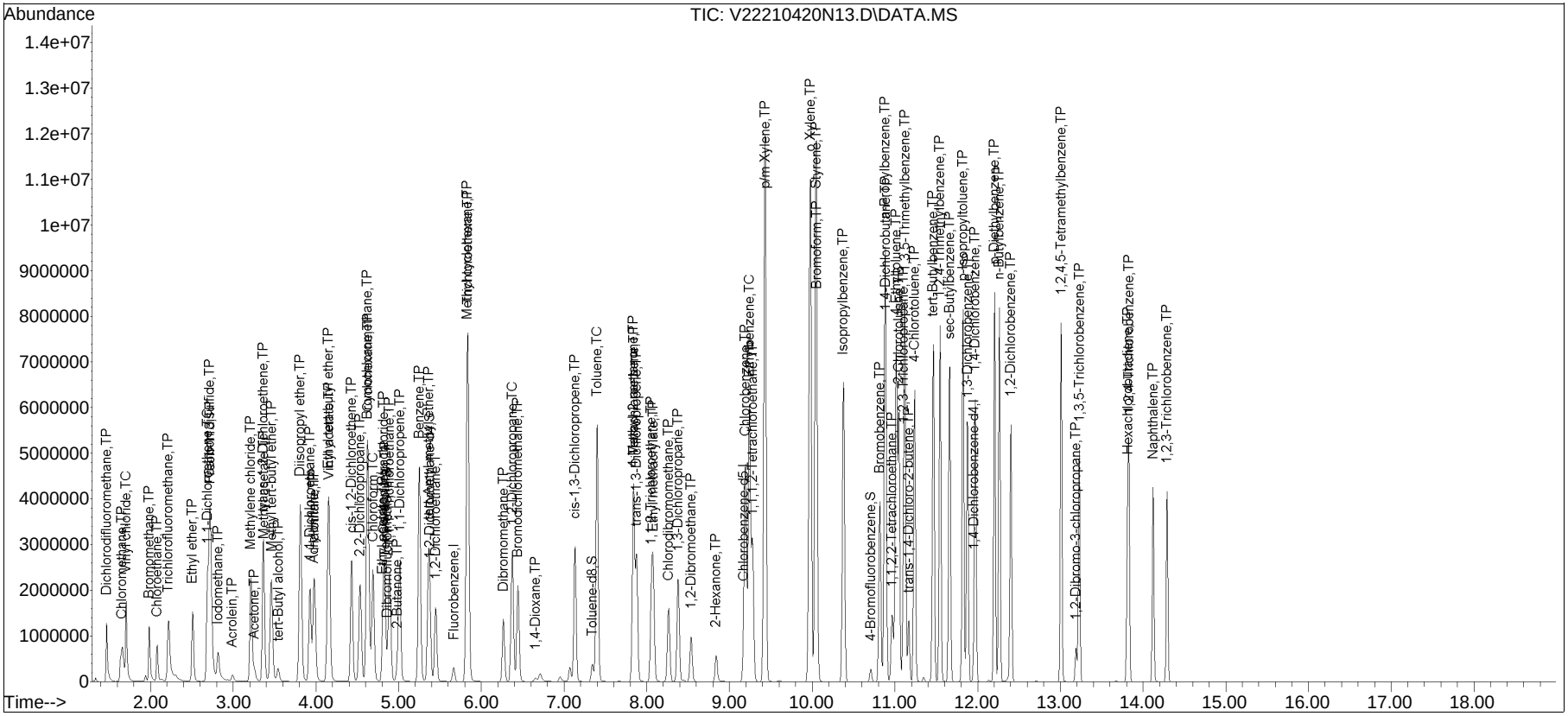
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N13.D
Acq On : 20 Apr 2021 07:56 pm
Operator : VOA122:PD
Sample : I8260STDL200PPB
Misc : WG1489010,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 21 12:08:49 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

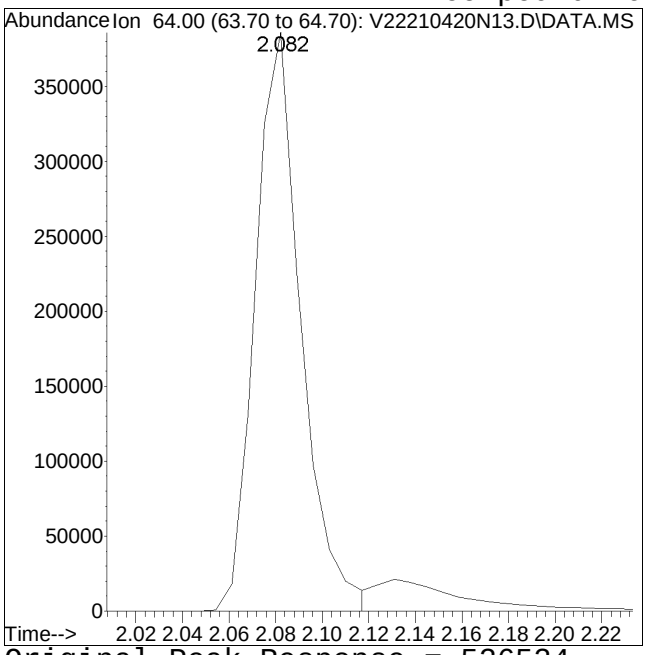
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVECAL\V22210420N09.D•

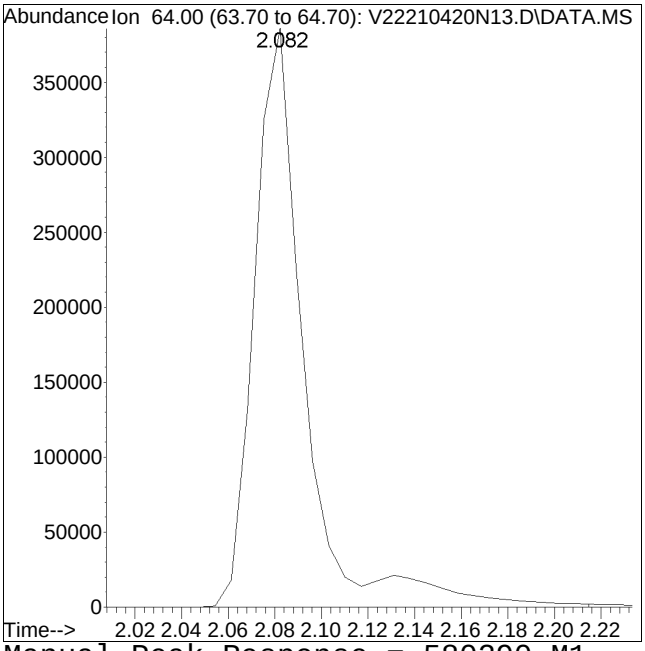


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210420N_8260.m
Data File : V22210420N13.D Operator : VOA122:PD
Date Inj'd : 4/20/2021 7:56 pm Instrument : VOA122
Sample : I8260STDL200PPB Quant Date : 4/21/2021 12:08 pm

Compound #6: Chloroethane





Original Peak Response = 526524 Manual Peak Response = 580290 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N19.D
Acq On : 20 Apr 2021 10:24 pm
Operator : VOA122:PD
Sample : C8260STDL10PPB
Misc : WG1489010,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 21 12:10:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	113	0.00
2	TP	Dichlorodifluoromethane	0.174	0.112	35.6#	67	0.00
3	TP	Chloromethane	0.253	0.215	15.0	90	0.00
4	TC	Vinyl chloride	0.232	0.215	7.3	94	0.00
5	TP	Bromomethane	0.072	0.059#	18.1	115	0.00
6	TP	Chloroethane	0.134	0.137	-2.2	100	0.00
7	TP	Trichlorofluoromethane	0.283	0.272	3.9	99	0.00
8	TP	Ethyl ether	0.094	0.092	2.1	107	0.00
10	TC	1,1-Dichloroethene	0.170	0.153	10.0	96	0.00
11	TP	Carbon disulfide	0.516	0.467	9.5	96	0.00
12	TP	Freon-113	0.178	0.180	-1.1	103	0.00
13	TP	Iodomethane	* 10.000	6.277	37.2#	76	0.00
14	TP	Acrolein	0.018	0.021#	-16.7	129	0.00
15	TP	Methylene chloride	0.192	0.189	1.6	105	0.00
17	TP	Acetone	* 10.000	8.770	12.3	95	0.00
18	TP	trans-1,2-Dichloroethene	0.181	0.182	-0.6	108	0.00
19	TP	Methyl acetate	0.104	0.093#	10.6	99	0.00
21	TP	Methyl tert-butyl ether	0.420	0.400	4.8	104	0.00
22	TP	tert-Butyl alcohol	0.011	0.011#	0.0	106	0.00
24	TP	Diisopropyl ether	0.661	0.620	6.2	108	0.00
25	TP	1,1-Dichloroethane	0.392	0.388	1.0	104	0.00
26	TP	Halothane	0.138	0.141	-2.2	107	0.00
27	TP	Acrylonitrile	0.056	0.052	7.1	99	0.00
28	TP	Ethyl tert-butyl ether	0.552	0.527	4.5	108	0.00
29	TP	Vinyl acetate	0.353	0.235	33.4#	69	0.00
30	TP	cis-1,2-Dichloroethene	0.206	0.201	2.4	104	0.00
31	TP	2,2-Dichloropropane	0.276	0.248	10.1	98	0.00
32	TP	Bromochloromethane	0.084	0.090	-7.1	108	0.00
33	TP	Cyclohexane	0.402	0.391	2.7	102	0.00
34	TC	Chloroform	0.350	0.341	2.6	104	0.00
35	TP	Ethyl acetate	0.142	0.131	7.7	98	0.00
36	TP	Carbon tetrachloride	0.254	0.254	0.0	104	0.00
37	TP	Tetrahydrofuran	0.051	0.049#	3.9	102	0.00
38	S	Dibromofluoromethane	0.264	0.263	0.4	111	0.00
39	TP	1,1,1-Trichloroethane	0.302	0.297	1.7	105	0.00
41	TP	2-Butanone	0.061	0.054#	11.5	99	0.00
42	TP	1,1-Dichloropropene	0.176	0.174	1.1	104	0.00
44	TP	Benzene	0.733	0.750	-2.3	108	0.00
45	TP	tert-Amyl methyl ether	0.430	0.396	7.9	108	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N19.D
Acq On : 20 Apr 2021 10:24 pm
Operator : VOA122:PD
Sample : C8260STDL10PPB
Misc : WG1489010,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 21 12:10:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	S	1,2-Dichloroethane-d4	0.312	0.306	1.9	111	0.00
47	T	1,2-Dichloroethane	0.257	0.247	3.9	104	0.00
50	TP	Methyl cyclohexane	0.338	0.320	5.3	109	0.00
51	TP	Trichloroethene	0.195	0.210	-7.7	115	0.00
53	TP	Dibromomethane	0.110	0.099	10.0	102	0.00
54	TC	1,2-Dichloropropane	0.207	0.205	1.0	107	0.00
57	TP	Bromodichloromethane	0.257	0.244	5.1	105	0.00
60	TP	1,4-Dioxane	0.00123	0.00112#	8.9	94	0.00
61	TP	cis-1,3-Dichloropropene	0.290	0.283	2.4	104	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	114	0.00
63	S	Toluene-d8	1.267	1.282	-1.2	117	0.00
64	TC	Toluene	0.618	0.616	0.3	114	0.00
65	TP	4-Methyl-2-pentanone	0.062	0.054#	12.9	108	0.00
66	TP	Tetrachloroethene	0.250	0.249	0.4	111	0.00
68	TP	trans-1,3-Dichloropropene	* 10.000	8.462	15.4	99	0.00
70	TP	Ethyl methacrylate	0.248	0.231	6.9	110	0.00
71	TP	1,1,2-Trichloroethane	0.162	0.150	7.4	103	0.00
72	TP	Chlorodibromomethane	0.231	0.233	-0.9	108	0.00
73	TP	1,3-Dichloropropane	0.342	0.331	3.2	105	0.00
74	TP	1,2-Dibromoethane	0.178	0.176	1.1	108	0.00
76	TP	2-Hexanone	0.108	0.099#	8.3	106	0.00
77	TP	Chlorobenzene	0.692	0.673	2.7	109	0.00
78	TC	Ethylbenzene	1.213	1.202	0.9	106	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.227	0.222	2.2	115	0.00
80	TP	p/m Xylene	0.474	0.468	1.3	103	0.00
81	TP	o Xylene	0.448	0.442	1.3	104	0.00
82	TP	Styrene	0.723	0.721	0.3	104	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
84	TP	Bromoform	0.238	0.228	4.2	107	0.00
86	TP	Isopropylbenzene	2.381	2.421	-1.7	103	0.00
87	S	4-Bromofluorobenzene	0.966	0.976	-1.0	108	0.00
88	TP	Bromobenzene	0.511	0.506	1.0	105	0.00
89	TP	n-Propylbenzene	2.970	2.937	1.1	100	0.00
90	TP	1,4-Dichlorobutane	0.710	0.684	3.7	106	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.397	0.359	9.6	98	0.00
92	TP	4-Ethyltoluene	2.302	2.371	-3.0	106	0.00
93	TP	2-Chlorotoluene	1.965	1.924	2.1	102	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N19.D
Acq On : 20 Apr 2021 10:24 pm
Operator : VOA122:PD
Sample : C8260STDL10PPB
Misc : WG1489010,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 21 12:10:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	1,3,5-Trimethylbenzene	1.945	1.887	3.0	102	0.00
95 TP	1,2,3-Trichloropropane	0.350	0.334	4.6	106	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.127	0.115	9.4	98	0.00
97 TP	4-Chlorotoluene	1.762	1.726	2.0	101	0.00
98 TP	tert-Butylbenzene	1.828	1.718	6.0	101	0.00
101 TP	1,2,4-Trimethylbenzene	1.896	1.882	0.7	104	0.00
102 TP	sec-Butylbenzene	2.271	2.520	-11.0	112	0.00
103 TP	p-Isopropyltoluene	2.062	2.047	0.7	103	0.00
104 TP	1,3-Dichlorobenzene	1.075	1.031	4.1	101	0.00
105 TP	1,4-Dichlorobenzene	1.078	1.020	5.4	100	0.00
106 TP	p-Diethylbenzene	1.191	1.126	5.5	99	0.00
107 TP	n-Butylbenzene	1.869	1.844	1.3	101	0.00
108 TP	1,2-Dichlorobenzene	0.958	0.916	4.4	101	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.694	1.659	2.1	102	0.00
110 TP	1,2-Dibromo-3-chloropropane *	10.000	9.289	7.1	100	0.00
111 TP	1,3,5-Trichlorobenzene	0.631	0.620	1.7	102	0.00
112 TP	Hexachlorobutadiene	0.203	0.191	5.9	97	0.00
113 TP	1,2,4-Trichlorobenzene	0.555	0.533	4.0	101	0.00
114 TP	Naphthalene	1.287	1.263	1.9	102	0.00
115 TP	1,2,3-Trichlorobenzene	0.489	0.467	4.5	102	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 9 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N19.D
Acq On : 20 Apr 2021 10:24 pm
Operator : VOA122:PD
Sample : C8260STDL10PPB
Misc : WG1489010,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 21 12:10:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.660	96	261687	10.000	ug/L	0.00
Standard Area 1 = 231869			Recovery = 112.86%			
62) Chlorobenzene-d5	9.170	117	193893	10.000	ug/L	0.00
Standard Area 1 = 170464			Recovery = 113.74%			
83) 1,4-Dichlorobenzene-d4	11.956	152	97627	10.000	ug/L	0.00
Standard Area 1 = 90434			Recovery = 107.95%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	68862	9.980	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.80%			
46) 1,2-Dichloroethane-d4	5.379	65	80085	9.808	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.08%			
63) Toluene-d8	7.341	98	248500	10.115	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.15%			
87) 4-Bromofluorobenzene	10.708	95	95236	10.102	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	29401	6.475	ug/L	98
3) Chloromethane	1.657	50	56309	8.492	ug/L	98
4) Vinyl chloride	1.706	62	56267	9.261	ug/L	98
5) Bromomethane	1.985	94	15334	8.192	ug/L	98
6) Chloroethane	2.082	64	35728	10.152	ug/L	97
7) Trichlorofluoromethane	2.222	101	71207	9.605	ug/L	99
8) Ethyl ether	2.508	74	24063	9.793	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	40166	9.049	ug/L #	71
11) Carbon disulfide	2.717	76	122135	9.051	ug/L	99
12) Freon-113	2.731	101	47004	10.109	ug/L	90
13) Iodomethane	2.814	142	17323M1	6.277	ug/L	
14) Acrolein	2.996	56	5579	11.590	ug/L	96
15) Methylene chloride	3.219	84	49500	9.866	ug/L #	70
17) Acetone	3.261	43	11467	8.770	ug/L	96
18) trans-1,2-Dichloroethene	3.365	96	47724	10.068	ug/L	82
19) Methyl acetate	3.372	43	24287	8.884	ug/L #	87
21) Methyl tert-butyl ether	3.463	73	104626	9.520	ug/L #	89
22) tert-Butyl alcohol	3.546	59	14352	49.030	ug/L #	87
24) Diisopropyl ether	3.811	45	162331	9.390	ug/L	93
25) 1,1-Dichloroethane	3.930	63	101484	9.886	ug/L	96
26) Halothane	3.979	117	36841	10.169	ug/L	99

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N19.D
Acq On : 20 Apr 2021 10:24 pm
Operator : VOA122:PD
Sample : C8260STDL10PPB
Misc : WG1489010,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 21 12:10:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.972	53	13673	9.333	ug/L		96
28) Ethyl tert-butyl ether	4.153	59	137810	9.538	ug/L		85
29) Vinyl acetate	4.160	43	61599	6.678	ug/L	#	86
30) cis-1,2-Dichloroethene	4.432	96	52526	9.746	ug/L	#	79
31) 2,2-Dichloropropane	4.536	77	65023	9.010	ug/L		86
32) Bromochloromethane	4.620	128	23513	10.731	ug/L	#	65
33) Cyclohexane	4.627	56	102231	9.708	ug/L		73
34) Chloroform	4.690	83	89362	9.765	ug/L	#	95
35) Ethyl acetate	4.808	43	34186	9.206	ug/L	#	93
36) Carbon tetrachloride	4.822	117	66456	10.015	ug/L		99
37) Tetrahydrofuran	4.843	42	12950	9.758	ug/L	#	82
39) 1,1,1-Trichloroethane	4.892	97	77763	9.826	ug/L		92
41) 2-Butanone	4.982	43	14186	8.910	ug/L	#	65
42) 1,1-Dichloropropene	5.018	75	45487	9.849	ug/L		95
44) Benzene	5.247	78	196176	10.223	ug/L		94
45) tert-Amyl methyl ether	5.365	73	103541	9.193	ug/L		92
47) 1,2-Dichloroethane	5.446	62	64720	9.622	ug/L		97
50) Methyl cyclohexane	5.830	83	83781	9.482	ug/L	#	75
51) Trichloroethene	5.837	95	55076	10.793	ug/L		93
53) Dibromomethane	6.265	93	25984	9.050	ug/L	#	77
54) 1,2-Dichloropropane	6.376	63	53571	9.877	ug/L		96
57) Bromodichloromethane	6.442	83	63880	9.513	ug/L		98
60) 1,4-Dioxane	6.656	88	14633	455.887	ug/L	#	67
61) cis-1,3-Dichloropropene	7.135	75	74094	9.768	ug/L	#	87
64) Toluene	7.400	92	119508	9.976	ug/L		99
65) 4-Methyl-2-pentanone	7.834	58	10538	8.837	ug/L	#	74
66) Tetrachloroethene	7.842	166	48259	9.955	ug/L		91
68) trans-1,3-Dichloropropene	7.879	75	60860	8.462	ug/L		87
70) Ethyl methacrylate	8.085	69	44853	9.328	ug/L		91
71) 1,1,2-Trichloroethane	8.055	83	29115	9.279	ug/L		95
72) Chlorodibromomethane	8.266	129	45170	10.077	ug/L		99
73) 1,3-Dichloropropane	8.377	76	64117	9.664	ug/L		100
74) 1,2-Dibromoethane	8.535	107	34123	9.873	ug/L		98
76) 2-Hexanone	8.845	43	19261	9.167	ug/L	#	87
77) Chlorobenzene	9.194	112	130453	9.722	ug/L		93
78) Ethylbenzene	9.233	91	233123	9.914	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.273	131	43089	9.772	ug/L		98
80) p/m Xylene	9.424	106	181638	19.762	ug/L		94
81) o Xylene	9.971	106	171301	19.732	ug/L		92
82) Styrene	10.042	104	279416	19.939	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N19.D
Acq On : 20 Apr 2021 10:24 pm
Operator : VOA122:PD
Sample : C8260STDL10PPB
Misc : WG1489010,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 21 12:10:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210420NICAL\V22210420N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84) Bromoform	10.050	173	22239	9.572	ug/L		99
86) Isopropylbenzene	10.375	105	236395	10.171	ug/L		97
88) Bromobenzene	10.819	156	49373	9.900	ug/L		100
89) n-Propylbenzene	10.875	91	286710	9.887	ug/L		96
90) 1,4-Dichlorobutane	10.883	55	66779	9.639	ug/L		98
91) 1,1,2,2-Tetrachloroethane	10.962	83	35035	9.036	ug/L		98
92) 4-Ethyltoluene	11.010	105	231481	10.299	ug/L		98
93) 2-Chlorotoluene	11.041	91	187839	9.794	ug/L		98
94) 1,3,5-Trimethylbenzene	11.113	105	184219	9.699	ug/L		97
95) 1,2,3-Trichloropropane	11.105	75	32650	9.551	ug/L		91
96) trans-1,4-Dichloro-2-b...	11.160	53	11214	9.066	ug/L	#	78
97) 4-Chlorotoluene	11.232	91	168534	9.799	ug/L		96
98) tert-Butylbenzene	11.462	119	167708	9.399	ug/L		95
101) 1,2,4-Trimethylbenzene	11.545	105	183762	9.927	ug/L		98
102) sec-Butylbenzene	11.657	105	246052	11.100	ug/L		97
103) p-Isopropyltoluene	11.817	119	199824	9.925	ug/L		97
104) 1,3-Dichlorobenzene	11.872	146	100635	9.590	ug/L		97
105) 1,4-Dichlorobenzene	11.970	146	99573	9.462	ug/L		96
106) p-Diethylbenzene	12.200	119	109954	9.455	ug/L		97
107) n-Butylbenzene	12.262	91	179996	9.864	ug/L		97
108) 1,2-Dichlorobenzene	12.401	146	89402	9.563	ug/L		95
109) 1,2,4,5-Tetramethylben...	13.007	119	161997	9.795	ug/L		97
110) 1,2-Dibromo-3-chloropr...	13.188	155	5628	9.289	ug/L		98
111) 1,3,5-Trichlorobenzene	13.223	180	60543	9.825	ug/L	#	94
112) Hexachlorobutadiene	13.808	225	18616	9.385	ug/L		97
113) 1,2,4-Trichlorobenzene	13.828	180	52035	9.600	ug/L		98
114) Naphthalene	14.121	128	123266	9.810	ug/L		100
115) 1,2,3-Trichlorobenzene	14.288	180	45625	9.554	ug/L		97

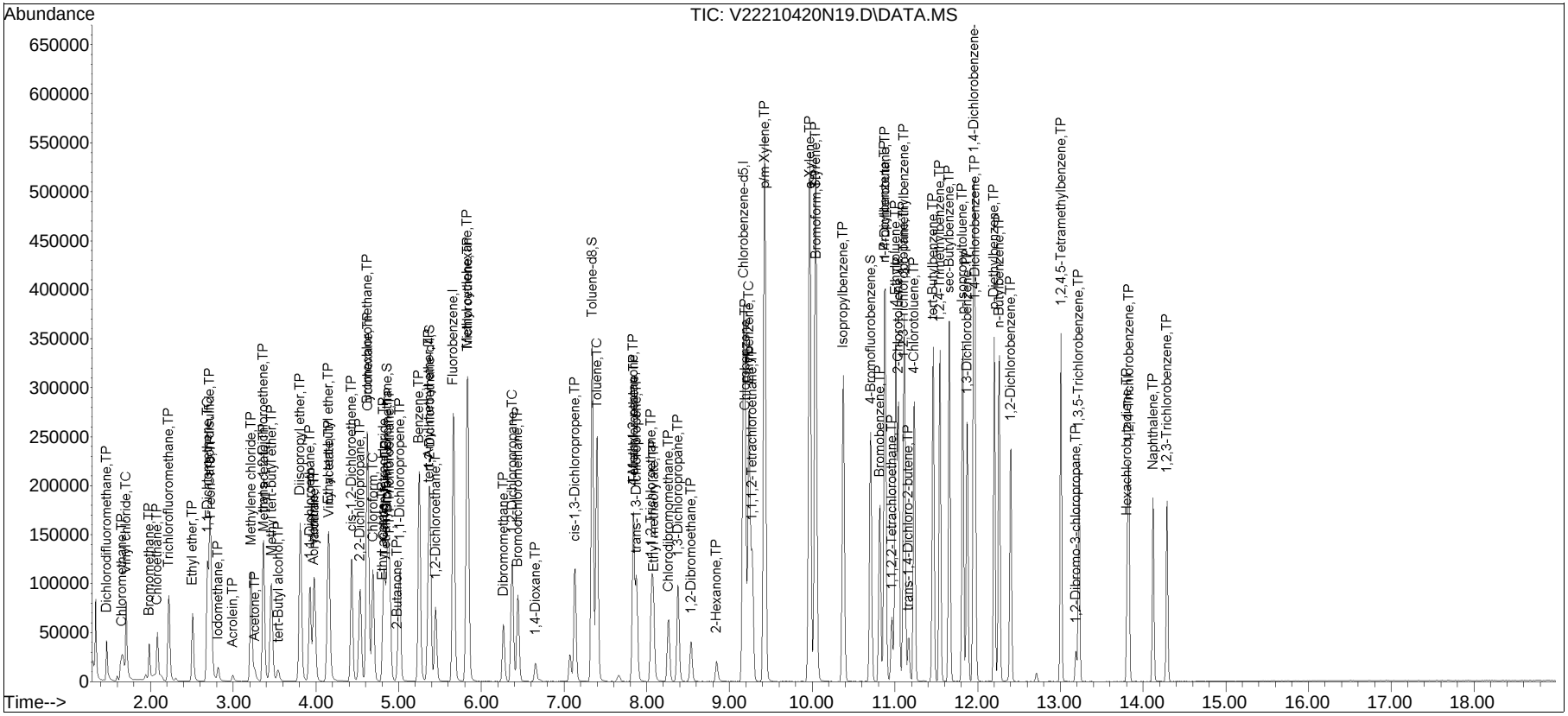
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210420NICAL\
Data File : V22210420N19.D
Acq On : 20 Apr 2021 10:24 pm
Operator : VOA122:PD
Sample : C8260STDL10PPB
Misc : WG1489010,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 21 12:10:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210420NICAL\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

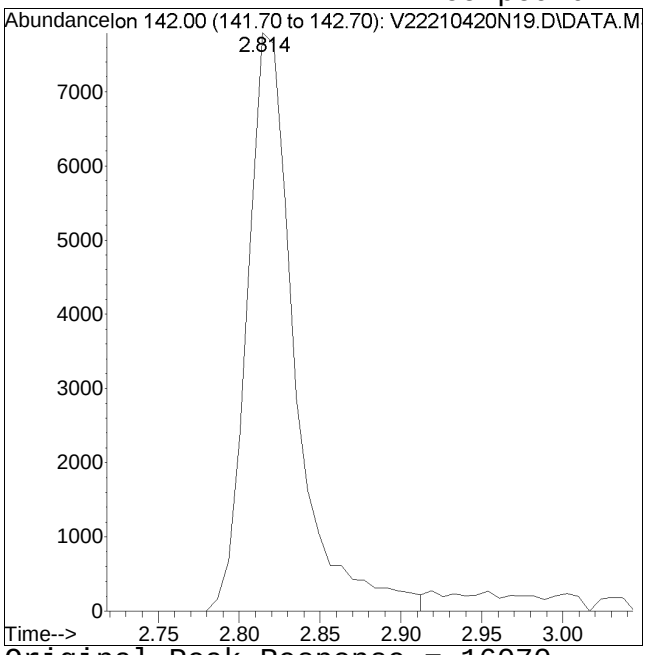
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVECAL\V22210420N09.D•

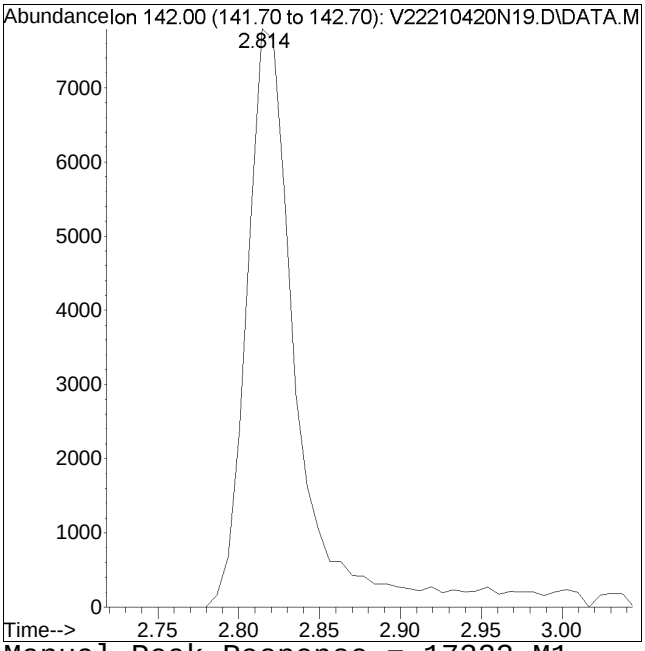


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210420N_8260.m
Data File : V22210420N19.D Operator : VOA122:PD
Date Inj'd : 4/20/2021 10:24 pm Instrument : VOA122
Sample : C8260STDL10PPB Quant Date : 4/21/2021 12:09 pm

Compound #13: Iodomethane





Original Peak Response = 16070 Manual Peak Response = 17323 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Correlation Data Summary

Method Path: I:\VOLATILES\VOA122\2021\210420NICAL\
Method File: V122_210420N_8260.m
Method Title: VOLATILES BY GC/MS
Last Update: Wed Apr 21 12:03:56 2021

Analyte	Curve fit Type	Coefficient of Determination	Quadratic Term	Linear Term	Constant Term
Iodomethane	Linear	0.998416	0	0.138444	-0.020702
Acetone	Linear	0.998298	0	0.040574	0.008237
trans-1,3-Dichloropropene	Linear	0.999699	0	0.376356	-0.004582
1,2-Dibromo-3-chloropropane	Linear	0.998866	0	0.064368	-0.002145

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Tenen Environmental, LLC		**Lab Number**	: L2129111	
Project Name	: 21-21 31ST STREET		**Project Number**	: 21-21 31ST STREET	
Instrument ID	: VOA122		**Calibration Date**	: 06/10/21 20:01	
Lab File ID	: V22210610N01		**Init. Calib. Date(s)**	: 04/20/21	04/20/21
Sample No	: WG1510951-2		**Init. Calib. Times**	: 16:13	19:56
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	98	0
Dichlorodifluoromethane	0.174	0.175	-	-0.6	20	90	0
Chloromethane	0.253	0.216	-	14.6	20	79	-.01
Vinyl chloride	0.232	0.186	-	19.8	20	70	0
Bromomethane	0.072	0.04*	-	44.4*	20	68	0
Chloroethane	0.134	0.102	-	23.9*	20	65	0
Trichlorofluoromethane	0.283	0.342	-	-20.8*	20	108	0
Ethyl ether	0.094	0.078	-	17	20	78	0
1,1-Dichloroethene	0.17	0.161	-	5.3	20	87	0
Carbon disulfide	0.516	0.486	-	5.8	20	87	0
Freon-113	0.178	0.182	-	-2.2	20	91	0
Acrolein	0.018	0.017*	-	5.6	20	88	0
Methylene chloride	0.192	0.176	-	8.3	20	85	0
Acetone	10	8.608	-	13.9	20	81	0
trans-1,2-Dichloroethene	0.181	0.169	-	6.6	20	87	0
Methyl acetate	0.104	0.089*	-	14.4	20	83	0
Methyl tert-butyl ether	0.42	0.374	-	11	20	85	0
tert-Butyl alcohol	0.011	0.01*	-	9.1	20	86	0
Diisopropyl ether	0.661	0.584	-	11.6	20	88	0
1,1-Dichloroethane	0.392	0.374	-	4.6	20	87	0
Halothane	0.138	0.136	-	1.4	20	90	0
Acrylonitrile	0.056	0.05	-	10.7	20	83	0
Ethyl tert-butyl ether	0.552	0.52	-	5.8	20	92	0
Vinyl acetate	0.353	0.368	-	-4.2	20	94	0
cis-1,2-Dichloroethene	0.206	0.191	-	7.3	20	86	0
2,2-Dichloropropane	0.276	0.273	-	1.1	20	93	0
Bromochloromethane	0.084	0.091	-	-8.3	20	95	0
Cyclohexane	0.402	0.388	-	3.5	20	88	0
Chloroform	0.35	0.34	-	2.9	20	90	0
Ethyl acetate	0.142	0.117	-	17.6	20	76	0
Carbon tetrachloride	0.254	0.304	-	-19.7	20	108	0
Tetrahydrofuran	0.051	0.045*	-	11.8	20	81	0
Dibromofluoromethane	0.264	0.294	-	-11.4	20	108	0
1,1,1-Trichloroethane	0.302	0.341	-	-12.9	20	104	0
2-Butanone	0.061	0.059*	-	3.3	20	94	0
1,1-Dichloropropene	0.176	0.159	-	9.7	20	83	0
Benzene	0.733	0.658	-	10.2	20	82	0
tert-Amyl methyl ether	0.43	0.368	-	14.4	20	87	0
1,2-Dichloroethane-d4	0.312	0.356	-	-14.1	20	112	0
1,2-Dichloroethane	0.257	0.266	-	-3.5	20	97	0
Methyl cyclohexane	0.338	0.282	-	16.6	20	83	0
Trichloroethene	0.195	0.182*	-	6.7	20	86	0
Dibromomethane	0.11	0.1	-	9.1	20	89	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Tenen Environmental, LLC		**Lab Number**	: L2129111	
Project Name	: 21-21 31ST STREET		**Project Number**	: 21-21 31ST STREET	
Instrument ID	: VOA122		**Calibration Date**	: 06/10/21 20:01	
Lab File ID	: V22210610N01		**Init. Calib. Date(s)**	: 04/20/21	04/20/21
Sample No	: WG1510951-2		**Init. Calib. Times**	: 16:13	19:56
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.207	0.182	-	12.1	20	82	0
Bromodichloromethane	0.257	0.251	-	2.3	20	93	0
1,4-Dioxane	0.00123	0.00111*	-	9.8	20	81	0
cis-1,3-Dichloropropene	0.29	0.26	-	10.3	20	83	0
Chlorobenzene-d5	1	1	-	0	20	101	0
Toluene-d8	1.267	1.241	-	2.1	20	100	0
Toluene	0.618	0.538	-	12.9	20	88	0
4-Methyl-2-pentanone	0.062	0.05*	-	19.4	20	87	0
Tetrachloroethene	0.25	0.281	-	-12.4	20	111	0
trans-1,3-Dichloropropene	10	8.393	-	16.1	20	87	0
Ethyl methacrylate	0.248	0.18	-	27.4*	20	76	0
1,1,2-Trichloroethane	0.162	0.139	-	14.2	20	84	0
Chlorodibromomethane	0.231	0.248	-	-7.4	20	102	0
1,3-Dichloropropane	0.342	0.292	-	14.6	20	82	0
1,2-Dibromoethane	0.178	0.165	-	7.3	20	90	0
2-Hexanone	0.108	0.084*	-	22.2*	20	80	0
Chlorobenzene	0.692	0.624	-	9.8	20	89	0
Ethylbenzene	1.213	1.112	-	8.3	20	87	0
1,1,1,2-Tetrachloroethane	0.227	0.225	-	0.9	20	103	0
p/m Xylene	0.474	0.43	-	9.3	20	84	0
o Xylene	0.448	0.404	-	9.8	20	84	0
Styrene	0.723	0.667	-	7.7	20	85	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	108	0
Bromoform	0.238	0.254	-	-6.7	20	120	0
Isopropylbenzene	2.381	2.085	-	12.4	20	89	0
4-Bromofluorobenzene	0.966	0.879	-	9	20	97	0
Bromobenzene	0.511	0.495	-	3.1	20	103	0
n-Propylbenzene	2.97	2.449	-	17.5	20	84	0
1,4-Dichlorobutane	0.71	0.598	-	15.8	20	93	0
1,1,2,2-Tetrachloroethane	0.397	0.321	-	19.1	20	88	0
4-Ethyltoluene	2.302	1.937	-	15.9	20	87	0
2-Chlorotoluene	1.965	1.64	-	16.5	20	87	0
1,3,5-Trimethylbenzene	1.945	1.675	-	13.9	20	91	0
1,2,3-Trichloropropane	0.35	0.286	-	18.3	20	91	0
trans-1,4-Dichloro-2-buten	0.127	0.116	-	8.7	20	100	0
4-Chlorotoluene	1.762	1.473	-	16.4	20	87	0
tert-Butylbenzene	1.828	1.468	-	19.7	20	86	0
1,2,4-Trimethylbenzene	1.896	1.675	-	11.7	20	93	0
sec-Butylbenzene	2.271	1.881	-	17.2	20	84	0
p-Isopropyltoluene	2.062	1.738	-	15.7	20	88	0
1,3-Dichlorobenzene	1.075	0.978	-	9	20	96	0
1,4-Dichlorobenzene	1.078	0.981	-	9	20	96	0
p-Diethylbenzene	1.191	0.99	-	16.9	20	87	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2129111
Project Name	: 21-21 31ST STREET	**Project Number**	: 21-21 31ST STREET
Instrument ID	: VOA122	**Calibration Date**	: 06/10/21 20:01
Lab File ID	: V22210610N01	**Init. Calib. Date(s)**	: 04/20/21 04/20/21
Sample No	: WG1510951-2	**Init. Calib. Times**	: 16:13 19:56
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.869	1.544	-	17.4	20	85	0
1,2-Dichlorobenzene	0.958	0.879	-	8.2	20	97	0
1,2,4,5-Tetramethylbenzene	1.694	1.389	-	18	20	85	0
1,2-Dibromo-3-chloropropan	10	9.172	-	8.3	20	99	0
1,3,5-Trichlorobenzene	0.631	0.611	-	3.2	20	101	0
Hexachlorobutadiene	0.203	0.242	-	-19.2	20	124	0
1,2,4-Trichlorobenzene	0.555	0.542	-	2.3	20	103	0
Naphthalene	1.287	1.082	-	15.9	20	88	0
1,2,3-Trichlorobenzene	0.489	0.482	-	1.4	20	106	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N01.D
Acq On : 10 Jun 2021 08:01 pm
Operator : VOA122:TMS
Sample : WG1510951-2
Misc : WG1510951,ICAL17864
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 20:25:40 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	98	0.00
2	TP	Dichlorodifluoromethane	0.174	0.175	-0.6	90	0.00
3	TP	Chloromethane	0.253	0.216	14.6	79	-0.01
4	TC	Vinyl chloride	0.232	0.186	19.8	70	0.00
5	TP	Bromomethane	0.072	0.040#	44.4#	68	0.00
6	TP	Chloroethane	0.134	0.102	23.9#	65	0.00
7	TP	Trichlorofluoromethane	0.283	0.342	-20.8#	108	0.00
8	TP	Ethyl ether	0.094	0.078	17.0	78	0.00
10	TC	1,1-Dichloroethene	0.170	0.161	5.3	87	0.00
11	TP	Carbon disulfide	0.516	0.486	5.8	87	0.00
12	TP	Freon-113	0.178	0.182	-2.2	91	0.00
14	TP	Acrolein	0.018	0.017#	5.6	88	0.00
15	TP	Methylene chloride	0.192	0.176	8.3	85	0.00
17	TP	Acetone	* 10.000	8.608	13.9	81	0.00
18	TP	trans-1,2-Dichloroethene	0.181	0.169	6.6	87	0.00
19	TP	Methyl acetate	0.104	0.089#	14.4	83	0.00
21	TP	Methyl tert-butyl ether	0.420	0.374	11.0	85	0.00
22	TP	tert-Butyl alcohol	0.011	0.010#	9.1	86	0.00
24	TP	Diisopropyl ether	0.661	0.584	11.6	88	0.00
25	TP	1,1-Dichloroethane	0.392	0.374	4.6	87	0.00
26	TP	Halothane	0.138	0.136	1.4	90	0.00
27	TP	Acrylonitrile	0.056	0.050	10.7	83	0.00
28	TP	Ethyl tert-butyl ether	0.552	0.520	5.8	92	0.00
29	TP	Vinyl acetate	0.353	0.368	-4.2	94	0.00
30	TP	cis-1,2-Dichloroethene	0.206	0.191	7.3	86	0.00
31	TP	2,2-Dichloropropane	0.276	0.273	1.1	93	0.00
32	TP	Bromochloromethane	0.084	0.091	-8.3	95	0.00
33	TP	Cyclohexane	0.402	0.388	3.5	88	0.00
34	TC	Chloroform	0.350	0.340	2.9	90	0.00
35	TP	Ethyl acetate	0.142	0.117	17.6	76	0.00
36	TP	Carbon tetrachloride	0.254	0.304	-19.7	108	0.00
37	TP	Tetrahydrofuran	0.051	0.045#	11.8	81	0.00
38	S	Dibromofluoromethane	0.264	0.294	-11.4	108	0.00
39	TP	1,1,1-Trichloroethane	0.302	0.341	-12.9	104	0.00
41	TP	2-Butanone	0.061	0.059#	3.3	94	0.00
42	TP	1,1-Dichloropropene	0.176	0.159	9.7	83	0.00
44	TP	Benzene	0.733	0.658	10.2	82	0.00
45	TP	tert-Amyl methyl ether	0.430	0.368	14.4	87	0.00
46	S	1,2-Dichloroethane-d4	0.312	0.356	-14.1	112	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N01.D
Acq On : 10 Jun 2021 08:01 pm
Operator : VOA122:TMS
Sample : WG1510951-2
Misc : WG1510951,ICAL17864
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 20:25:40 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	1,2-Dichloroethane	0.257	0.266	-3.5	97	0.00
50	TP	Methyl cyclohexane	0.338	0.282	16.6	83	0.00
51	TP	Trichloroethene	0.195	0.182#	6.7	86	0.00
53	TP	Dibromomethane	0.110	0.100	9.1	89	0.00
54	TC	1,2-Dichloropropane	0.207	0.182	12.1	82	0.00
57	TP	Bromodichloromethane	0.257	0.251	2.3	93	0.00
60	TP	1,4-Dioxane	0.00123	0.00111#	9.8	81	0.00
61	TP	cis-1,3-Dichloropropene	0.290	0.260	10.3	83	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
63	S	Toluene-d8	1.267	1.241	2.1	100	0.00
64	TC	Toluene	0.618	0.538	12.9	88	0.00
65	TP	4-Methyl-2-pentanone	0.062	0.050#	19.4	87	0.00
66	TP	Tetrachloroethene	0.250	0.281	-12.4	111	0.00
68	TP	trans-1,3-Dichloropropene	* 10.000	8.393	16.1	87	0.00
70	TP	Ethyl methacrylate	0.248	0.180	27.4#	76	0.00
71	TP	1,1,2-Trichloroethane	0.162	0.139	14.2	84	0.00
72	TP	Chlorodibromomethane	0.231	0.248	-7.4	102	0.00
73	TP	1,3-Dichloropropane	0.342	0.292	14.6	82	0.00
74	TP	1,2-Dibromoethane	0.178	0.165	7.3	90	0.00
76	TP	2-Hexanone	0.108	0.084#	22.2#	80	0.00
77	TP	Chlorobenzene	0.692	0.624	9.8	89	0.00
78	TC	Ethylbenzene	1.213	1.112	8.3	87	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.227	0.225	0.9	103	0.00
80	TP	p/m Xylene	0.474	0.430	9.3	84	0.00
81	TP	o Xylene	0.448	0.404	9.8	84	0.00
82	TP	Styrene	0.723	0.667	7.7	85	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
84	TP	Bromoform	0.238	0.254	-6.7	120	0.00
86	TP	Isopropylbenzene	2.381	2.085	12.4	89	0.00
87	S	4-Bromofluorobenzene	0.966	0.879	9.0	97	0.00
88	TP	Bromobenzene	0.511	0.495	3.1	103	0.00
89	TP	n-Propylbenzene	2.970	2.449	17.5	84	0.00
90	TP	1,4-Dichlorobutane	0.710	0.598	15.8	93	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.397	0.321	19.1	88	0.00
92	TP	4-Ethyltoluene	2.302	1.937	15.9	87	0.00
93	TP	2-Chlorotoluene	1.965	1.640	16.5	87	0.00
94	TP	1,3,5-Trimethylbenzene	1.945	1.675	13.9	91	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N01.D
Acq On : 10 Jun 2021 08:01 pm
Operator : VOA122:TMS
Sample : WG1510951-2
Misc : WG1510951,ICAL17864
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 20:25:40 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
95 TP	1,2,3-Trichloropropane	0.350	0.286	18.3	91	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.127	0.116	8.7	100	0.00
97 TP	4-Chlorotoluene	1.762	1.473	16.4	87	0.00
98 TP	tert-Butylbenzene	1.828	1.468	19.7	86	0.00
101 TP	1,2,4-Trimethylbenzene	1.896	1.675	11.7	93	0.00
102 TP	sec-Butylbenzene	2.271	1.881	17.2	84	0.00
103 TP	p-Isopropyltoluene	2.062	1.738	15.7	88	0.00
104 TP	1,3-Dichlorobenzene	1.075	0.978	9.0	96	0.00
105 TP	1,4-Dichlorobenzene	1.078	0.981	9.0	96	0.00
106 TP	p-Diethylbenzene	1.191	0.990	16.9	87	0.00
107 TP	n-Butylbenzene	1.869	1.544	17.4	85	0.00
108 TP	1,2-Dichlorobenzene	0.958	0.879	8.2	97	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.694	1.389	18.0	85	0.00
110 TP	1,2-Dibromo-3-chloropropane *	10.000	9.172	8.3	99	0.00
111 TP	1,3,5-Trichlorobenzene	0.631	0.611	3.2	101	0.00
112 TP	Hexachlorobutadiene	0.203	0.242	-19.2	124	0.00
113 TP	1,2,4-Trichlorobenzene	0.555	0.542	2.3	103	0.00
114 TP	Naphthalene	1.287	1.082	15.9	88	0.00
115 TP	1,2,3-Trichlorobenzene	0.489	0.482	1.4	106	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 10 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N01.D
Acq On : 10 Jun 2021 08:01 pm
Operator : VOA122:TMS
Sample : WG1510951-2
Misc : WG1510951,ICAL17864
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 20:25:40 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.660	96	227181	10.000	ug/L	0.00
Standard Area 1 = 227181			Recovery = 100.00%			
62) Chlorobenzene-d5	9.170	117	171867	10.000	ug/L	0.00
Standard Area 1 = 171867			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	11.956	152	97920	10.000	ug/L	0.00
Standard Area 1 = 97920			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.857	113	66823	11.155	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.55%			
46) 1,2-Dichloroethane-d4	5.379	65	80788	11.397	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.97%			
63) Toluene-d8	7.341	98	213334	9.797	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.97%			
87) 4-Bromofluorobenzene	10.708	95	86051	9.100	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	39723	10.077	ug/L	97
3) Chloromethane	1.650	50	49127	8.534	ug/L	98
4) Vinyl chloride	1.706	62	42164	7.994	ug/L	97
5) Bromomethane	1.985	94	9067	5.580	ug/L	99
6) Chloroethane	2.089	64	23086	7.556	ug/L	97
7) Trichlorofluoromethane	2.222	101	77632	12.062	ug/L	99
8) Ethyl ether	2.507	74	17695	8.295	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	36585	9.494	ug/L #	62
11) Carbon disulfide	2.717	76	110446	9.428	ug/L	100
12) Freon-113	2.724	101	41263	10.222	ug/L	98
14) Acrolein	2.988	56	3811	9.120	ug/L	93
15) Methylene chloride	3.212	84	39875	9.155	ug/L #	62
17) Acetone	3.253	43	9806	8.608	ug/L	95
18) trans-1,2-Dichloroethene	3.365	96	38345	9.318	ug/L	77
19) Methyl acetate	3.372	43	20240	8.528	ug/L #	88
21) Methyl tert-butyl ether	3.456	73	85008	8.910	ug/L #	85
22) tert-Butyl alcohol	3.539	59	11641	45.809	ug/L #	87
24) Diisopropyl ether	3.804	45	132632	8.838	ug/L #	93
25) 1,1-Dichloroethane	3.923	63	85012	9.539	ug/L	96
26) Halothane	3.978	117	30878	9.818	ug/L	98
27) Acrylonitrile	3.971	53	11441	8.996	ug/L	94

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N01.D
Acq On : 10 Jun 2021 08:01 pm
Operator : VOA122:TMS
Sample : WG1510951-2
Misc : WG1510951,ICAL17864
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 20:25:40 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.146	59	118142	9.418	ug/L		89
29) Vinyl acetate	4.160	43	83608	10.440	ug/L	#	90
30) cis-1,2-Dichloroethene	4.431	96	43485	9.294	ug/L	#	75
31) 2,2-Dichloropropane	4.529	77	62097	9.911	ug/L		88
32) Bromochloromethane	4.613	128	20698	10.881	ug/L	#	67
33) Cyclohexane	4.620	56	88190	9.647	ug/L		67
34) Chloroform	4.689	83	77339	9.735	ug/L	#	94
35) Ethyl acetate	4.808	43	26546	8.235	ug/L	#	92
36) Carbon tetrachloride	4.822	117	69056	11.987	ug/L		98
37) Tetrahydrofuran	4.836	42	10237	8.885	ug/L	#	76
39) 1,1,1-Trichloroethane	4.885	97	77412	11.268	ug/L		94
41) 2-Butanone	4.982	43	13506	9.771	ug/L	#	64
42) 1,1-Dichloropropene	5.017	75	36106	9.005	ug/L		96
44) Benzene	5.246	78	149493	8.973	ug/L	#	89
45) tert-Amyl methyl ether	5.364	73	83659	8.556	ug/L	#	88
47) 1,2-Dichloroethane	5.446	62	60388	10.342	ug/L		97
50) Methyl cyclohexane	5.830	83	64140	8.362	ug/L	#	60
51) Trichloroethene	5.837	95	41354	9.335	ug/L		95
53) Dibromomethane	6.265	93	22649	9.086	ug/L		86
54) 1,2-Dichloropropane	6.368	63	41345	8.781	ug/L		98
57) Bromodichloromethane	6.442	83	56992	9.777	ug/L		98
60) 1,4-Dioxane	6.656	88	12611	452.568	ug/L	#	61
61) cis-1,3-Dichloropropene	7.127	75	59121	8.978	ug/L	#	83
64) Toluene	7.400	92	92472	8.708	ug/L		100
65) 4-Methyl-2-pentanone	7.834	58	8514	8.054	ug/L	#	75
66) Tetrachloroethene	7.842	166	48340	11.250	ug/L		91
68) trans-1,3-Dichloropropene	7.878	75	53498	8.393	ug/L		88
70) Ethyl methacrylate	8.085	69	30865	7.242	ug/L		94
71) 1,1,2-Trichloroethane	8.063	83	23867	8.581	ug/L		97
72) Chlorodibromomethane	8.258	129	42667	10.738	ug/L		98
73) 1,3-Dichloropropane	8.377	76	50119	8.522	ug/L		100
74) 1,2-Dibromoethane	8.535	107	28300	9.238	ug/L		99
76) 2-Hexanone	8.844	43	14450	7.758	ug/L		92
77) Chlorobenzene	9.185	112	107185	9.012	ug/L		95
78) Ethylbenzene	9.241	91	191082	9.168	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.273	131	38696	9.900	ug/L		96
80) p/m Xylene	9.423	106	147884	18.152	ug/L		90
81) o Xylene	9.971	106	138741	18.029	ug/L		88
82) Styrene	10.042	104	229305	18.460	ug/L		92
84) Bromoform	10.050	173	24895	10.683	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N01.D
Acq On : 10 Jun 2021 08:01 pm
Operator : VOA122:TMS
Sample : WG1510951-2
Misc : WG1510951,ICAL17864
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 20:25:40 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86) Isopropylbenzene	10.375	105	204123	8.756	ug/L		95
88) Bromobenzene	10.819	156	48494	9.694	ug/L		99
89) n-Propylbenzene	10.875	91	239845	8.246	ug/L		96
90) 1,4-Dichlorobutane	10.890	55	58512	8.421	ug/L		96
91) 1,1,2,2-Tetrachloroethane	10.962	83	31417	8.079	ug/L		99
92) 4-Ethyltoluene	11.009	105	189654	8.413	ug/L		97
93) 2-Chlorotoluene	11.041	91	160575	8.347	ug/L		97
94) 1,3,5-Trimethylbenzene	11.112	105	164023	8.610	ug/L		97
95) 1,2,3-Trichloropropane	11.105	75	27968	8.157	ug/L		97
96) trans-1,4-Dichloro-2-b...	11.160	53	11373	9.167	ug/L	#	67
97) 4-Chlorotoluene	11.231	91	144277	8.363	ug/L		96
98) tert-Butylbenzene	11.462	119	143735	8.031	ug/L		93
101) 1,2,4-Trimethylbenzene	11.545	105	164002	8.833	ug/L		94
102) sec-Butylbenzene	11.656	105	184170	8.283	ug/L		97
103) p-Isopropyltoluene	11.824	119	170212	8.429	ug/L		95
104) 1,3-Dichlorobenzene	11.872	146	95763	9.098	ug/L		98
105) 1,4-Dichlorobenzene	11.970	146	96046	9.100	ug/L		97
106) p-Diethylbenzene	12.206	119	96937	8.311	ug/L		98
107) n-Butylbenzene	12.262	91	151153	8.259	ug/L		97
108) 1,2-Dichlorobenzene	12.401	146	86114	9.183	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.007	119	136046	8.201	ug/L		96
110) 1,2-Dibromo-3-chloropr...	13.188	155	5571	9.172	ug/L		96
111) 1,3,5-Trichlorobenzene	13.223	180	59866	9.686	ug/L		96
112) Hexachlorobutadiene	13.814	225	23652	11.888	ug/L		98
113) 1,2,4-Trichlorobenzene	13.828	180	53118	9.771	ug/L		97
114) Naphthalene	14.121	128	105940	8.406	ug/L		100
115) 1,2,3-Trichlorobenzene	14.288	180	47151	9.844	ug/L		98

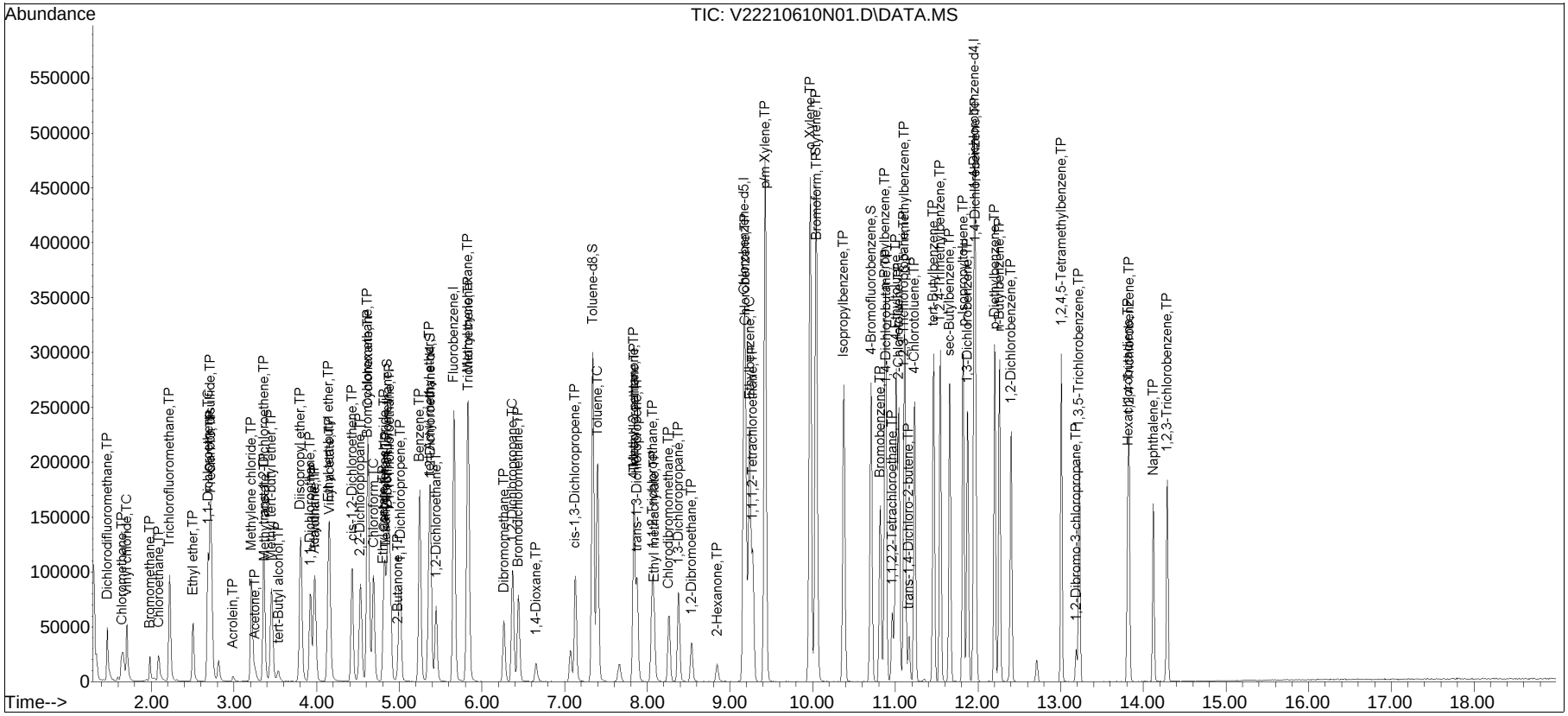
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N01.D
Acq On : 10 Jun 2021 08:01 pm
Operator : VOA122:TMS
Sample : WG1510951-2
Misc : WG1510951,ICAL17864
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 20:25:40 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•



Manual Integration Report

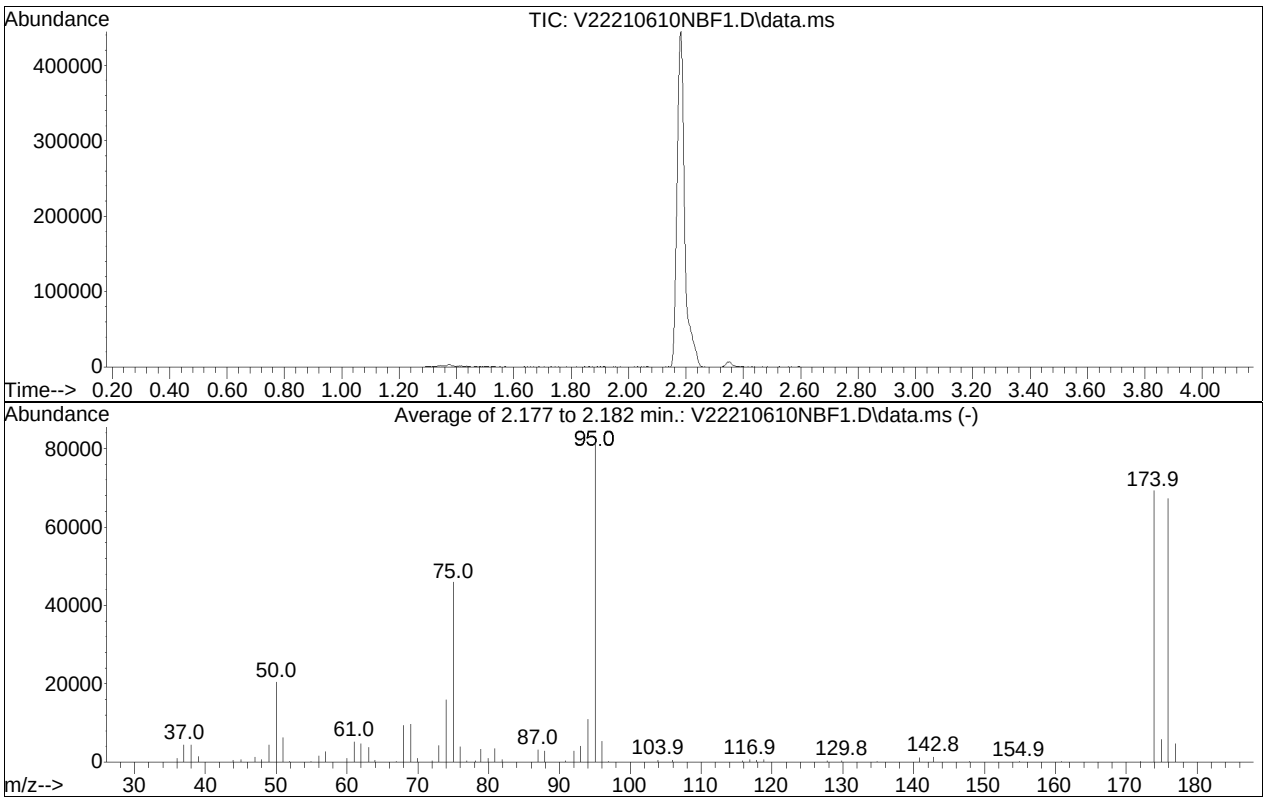
Data Path	: I:\VOLATILES\VOA122\2021\2Q	Method	: V122_210420N_8260.m
Data File	: V22210610N01.D	Operator	: VOA122:TMS
Date Inj'd	: 6/10/2021 8:01 pm	Instrument	: VOA122
Sample	: WG1510951-2	Quant Date	: 6/10/2021 8:25 pm

There are no manual integrations or false positives in this file.

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610NBF1.D
Acq On : 10 Jun 2021 07:39 pm
Operator : VOA122:TMS
Sample : WG1510951-1
Misc : WG1510951
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Apr 21 12:03:56 2021



AutoFind: Scans 319, 320, 321; Background Corrected with Scan 306

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.1	20461	PASS
75	95	30	60	56.3	45901	PASS
95	95	100	100	100.0	81541	PASS
96	95	5	9	6.5	5337	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.0	69349	PASS
175	174	5	9	8.4	5828	PASS
176	174	95	101	96.9	67211	PASS
177	176	5	9	6.9	4642	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N04.D
Acq On : 10 Jun 2021 09:17 pm
Operator : VOA122:NLK
Sample : WG1510951-5,31,10,10
Misc : WG1510951,ICAL17864
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 11 11:51:30 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.667	96	221459	10.000 ug/L	0.00
Standard Area 1 = 227181			Recovery = 97.48%		
62) Chlorobenzene-d5	9.170	117	180814	10.000 ug/L	0.00
Standard Area 1 = 171867			Recovery = 105.21%		
83) 1,4-Dichlorobenzene-d4	11.956	152	96947	10.000 ug/L	0.00
Standard Area 1 = 97920			Recovery = 99.01%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	67847	11.619 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.19%		
46) 1,2-Dichloroethane-d4	5.379	65	84200	12.185 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 121.85%		
63) Toluene-d8	7.341	98	220925	9.643 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.43%		
87) 4-Bromofluorobenzene	10.708	95	84206	8.994 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.94%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.710	76	429	N.D.	
15) Methylene chloride	3.219	84	115	N.D.	
17) Acetone	3.267	43	170	Below Cal #	46
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N04.D
Acq On : 10 Jun 2021 09:17 pm
Operator : VOA122:NLK
Sample : WG1510951-5,31,10,10
Misc : WG1510951,ICAL17864
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 11 11:51:30 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0		N.D.	
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
42) 1,1-Dichloropropene	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
53) Dibromomethane	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	0.000		0		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
73) 1,3-Dichloropropane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.170	91	187		N.D.	
79) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
88) Bromobenzene	0.000		0		N.D.	
89) n-Propylbenzene	10.708	91	211		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
92) 4-Ethyltoluene	0.000		0		N.D.	
93) 2-Chlorotoluene	0.000		0		N.D.	
94) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
95) 1,2,3-Trichloropropane	0.000		0		N.D.	
96) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
97) 4-Chlorotoluene	0.000		0		N.D.	
98) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N04.D
Acq On : 10 Jun 2021 09:17 pm
Operator : VOA122:NLK
Sample : WG1510951-5,31,10,10
Misc : WG1510951,ICAL17864
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 11 11:51:30 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
102)	sec-Butylbenzene	0.000		0		N.D.	
103)	p-Isopropyltoluene	0.000		0		N.D.	
104)	1,3-Dichlorobenzene	11.970	146	86		N.D.	
105)	1,4-Dichlorobenzene	11.970	146	86		N.D.	
106)	p-Diethylbenzene	0.000		0		N.D.	
107)	n-Butylbenzene	0.000		0		N.D.	
108)	1,2-Dichlorobenzene	0.000		0		N.D.	
109)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
110)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112)	Hexachlorobutadiene	0.000		0		N.D.	
113)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
114)	Naphthalene	14.135	128	269		N.D.	
115)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

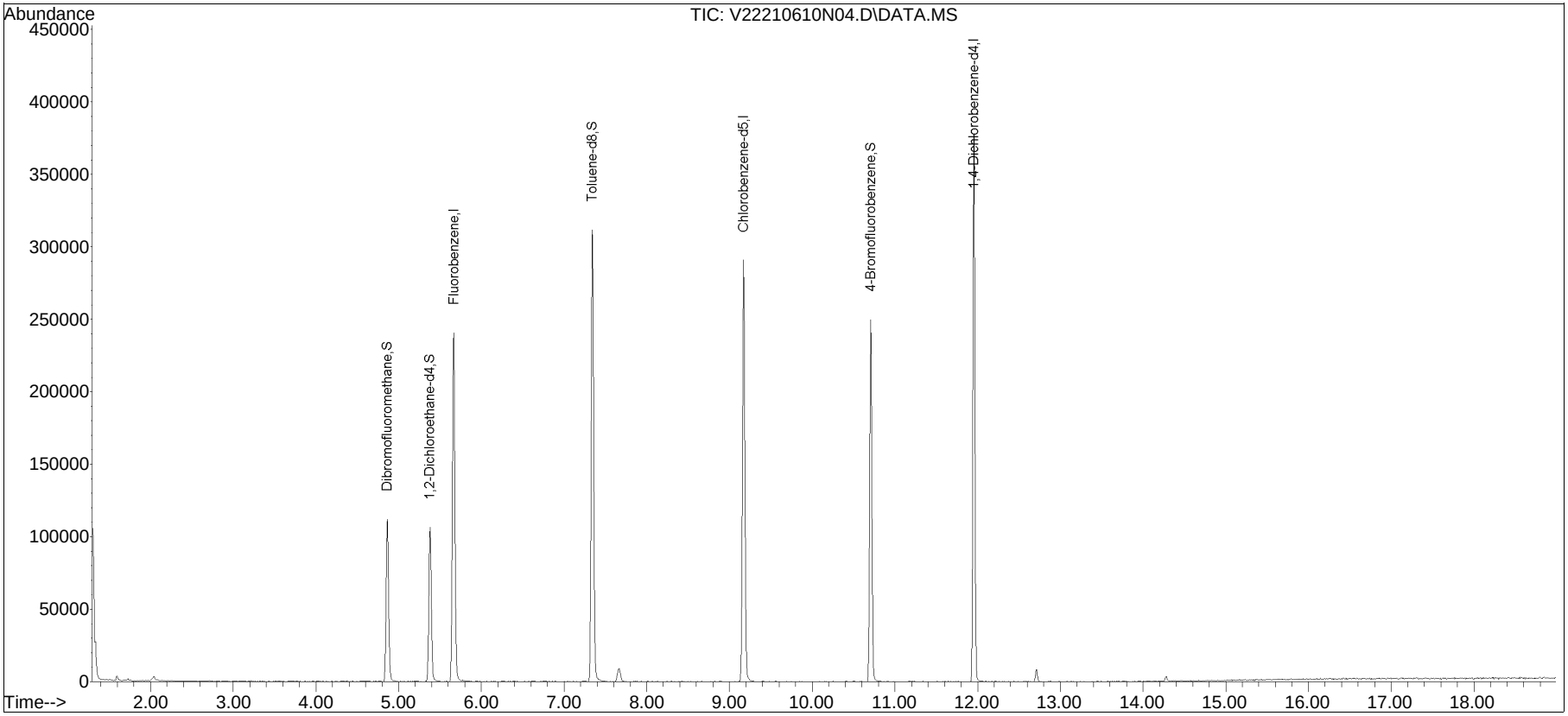
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N04.D
Acq On : 10 Jun 2021 09:17 pm
Operator : VOA122:NLK
Sample : WG1510951-5,31,10,10
Misc : WG1510951,ICAL17864
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 11 11:51:30 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2Q	Method	: V122_210420N_8260.m
Data File	: V22210610N04.D	Operator	: VOA122:NLK
Date Inj'd	: 6/10/2021 9:17 pm	Instrument	: VOA122
Sample	: WG1510951-5,31,10,10	Quant Date	: 6/11/2021 11:43 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N01.D
Acq On : 10 Jun 2021 08:01 pm
Operator : VOA122:TMS
Sample : WG1510951-3,31,10,10
Misc : WG1510951,ICAL17864
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 20:25:40 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.660	96	227181	10.000	ug/L	0.00
Standard Area 1 = 227181			Recovery = 100.00%			
62) Chlorobenzene-d5	9.170	117	171867	10.000	ug/L	0.00
Standard Area 1 = 171867			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	11.956	152	97920	10.000	ug/L	0.00
Standard Area 1 = 97920			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.857	113	66823	11.155	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.55%			
46) 1,2-Dichloroethane-d4	5.379	65	80788	11.397	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.97%			
63) Toluene-d8	7.341	98	213334	9.797	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.97%			
87) 4-Bromofluorobenzene	10.708	95	86051	9.100	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	39723	10.077	ug/L	97
3) Chloromethane	1.650	50	49127	8.534	ug/L	98
4) Vinyl chloride	1.706	62	42164	7.994	ug/L	97
5) Bromomethane	1.985	94	9067	5.580	ug/L	99
6) Chloroethane	2.089	64	23086	7.556	ug/L	97
7) Trichlorofluoromethane	2.222	101	77632	12.062	ug/L	99
8) Ethyl ether	2.507	74	17695	8.295	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	36585	9.494	ug/L #	62
11) Carbon disulfide	2.717	76	110446	9.428	ug/L	100
15) Methylene chloride	3.212	84	39875	9.155	ug/L #	62
17) Acetone	3.253	43	9806	8.608	ug/L	95
18) trans-1,2-Dichloroethene	3.365	96	38345	9.318	ug/L	77
21) Methyl tert-butyl ether	3.456	73	85008	8.910	ug/L #	85
25) 1,1-Dichloroethane	3.923	63	85012	9.539	ug/L	96
27) Acrylonitrile	3.971	53	11441	8.996	ug/L	94
29) Vinyl acetate	4.160	43	83608	10.440	ug/L #	90
30) cis-1,2-Dichloroethene	4.431	96	43485	9.294	ug/L #	75
31) 2,2-Dichloropropane	4.529	77	62097	9.911	ug/L	88
32) Bromochloromethane	4.613	128	20698	10.881	ug/L #	67
34) Chloroform	4.689	83	77339	9.735	ug/L #	94

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N01.D
Acq On : 10 Jun 2021 08:01 pm
Operator : VOA122:TMS
Sample : WG1510951-3,31,10,10
Misc : WG1510951,ICAL17864
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 20:25:40 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	4.822	117	69056	11.987	ug/L		98
39) 1,1,1-Trichloroethane	4.885	97	77412	11.268	ug/L		94
41) 2-Butanone	4.982	43	13506	9.771	ug/L	#	64
42) 1,1-Dichloropropene	5.017	75	36106	9.005	ug/L		96
44) Benzene	5.246	78	149493	8.973	ug/L	#	89
47) 1,2-Dichloroethane	5.446	62	60388	10.342	ug/L		97
51) Trichloroethene	5.837	95	41354	9.335	ug/L		95
53) Dibromomethane	6.265	93	22649	9.086	ug/L		86
54) 1,2-Dichloropropane	6.368	63	41345	8.781	ug/L		98
57) Bromodichloromethane	6.442	83	56992	9.777	ug/L		98
60) 1,4-Dioxane	6.656	88	12611	452.568	ug/L	#	61
61) cis-1,3-Dichloropropene	7.127	75	59121	8.978	ug/L	#	83
64) Toluene	7.400	92	92472	8.708	ug/L		100
65) 4-Methyl-2-pentanone	7.834	58	8514	8.054	ug/L	#	75
66) Tetrachloroethene	7.842	166	48340	11.250	ug/L		91
68) trans-1,3-Dichloropropene	7.878	75	53498	8.393	ug/L		88
71) 1,1,2-Trichloroethane	8.063	83	23867	8.581	ug/L		97
72) Chlorodibromomethane	8.258	129	42667	10.738	ug/L		98
73) 1,3-Dichloropropane	8.377	76	50119	8.522	ug/L		100
74) 1,2-Dibromoethane	8.535	107	28300	9.238	ug/L		99
76) 2-Hexanone	8.844	43	14450	7.758	ug/L		92
77) Chlorobenzene	9.185	112	107185	9.012	ug/L		95
78) Ethylbenzene	9.241	91	191082	9.168	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.273	131	38696	9.900	ug/L		96
80) p/m Xylene	9.423	106	147884	18.152	ug/L		90
81) o Xylene	9.971	106	138741	18.029	ug/L		88
82) Styrene	10.042	104	229305	18.460	ug/L		92
84) Bromoform	10.050	173	24895	10.683	ug/L		94
86) Isopropylbenzene	10.375	105	204123	8.756	ug/L		95
88) Bromobenzene	10.819	156	48494	9.694	ug/L		99
89) n-Propylbenzene	10.875	91	239845	8.246	ug/L		96
91) 1,1,2,2-Tetrachloroethane	10.962	83	31417	8.079	ug/L		99
92) 4-Ethyltoluene	11.009	105	189654	8.413	ug/L		97
93) 2-Chlorotoluene	11.041	91	160575	8.347	ug/L		97
94) 1,3,5-Trimethylbenzene	11.112	105	164023	8.610	ug/L		97
95) 1,2,3-Trichloropropane	11.105	75	27968	8.157	ug/L		97
96) trans-1,4-Dichloro-2-b...	11.160	53	11373	9.167	ug/L	#	67
97) 4-Chlorotoluene	11.231	91	144277	8.363	ug/L		96
98) tert-Butylbenzene	11.462	119	143735	8.031	ug/L		93

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N01.D
Acq On : 10 Jun 2021 08:01 pm
Operator : VOA122:TMS
Sample : WG1510951-3,31,10,10
Misc : WG1510951,ICAL17864
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 20:25:40 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101)	1,2,4-Trimethylbenzene	11.545	105	164002	8.833	ug/L	94
102)	sec-Butylbenzene	11.656	105	184170	8.283	ug/L	97
103)	p-Isopropyltoluene	11.824	119	170212	8.429	ug/L	95
104)	1,3-Dichlorobenzene	11.872	146	95763	9.098	ug/L	98
105)	1,4-Dichlorobenzene	11.970	146	96046	9.100	ug/L	97
106)	p-Diethylbenzene	12.206	119	96937	8.311	ug/L	98
107)	n-Butylbenzene	12.262	91	151153	8.259	ug/L	97
108)	1,2-Dichlorobenzene	12.401	146	86114	9.183	ug/L	98
109)	1,2,4,5-Tetramethylben...	13.007	119	136046	8.201	ug/L	96
110)	1,2-Dibromo-3-chloropr...	13.188	155	5571	9.172	ug/L	96
112)	Hexachlorobutadiene	13.814	225	23652	11.888	ug/L	98
113)	1,2,4-Trichlorobenzene	13.828	180	53118	9.771	ug/L	97
114)	Naphthalene	14.121	128	105940	8.406	ug/L	100
115)	1,2,3-Trichlorobenzene	14.288	180	47151	9.844	ug/L	98

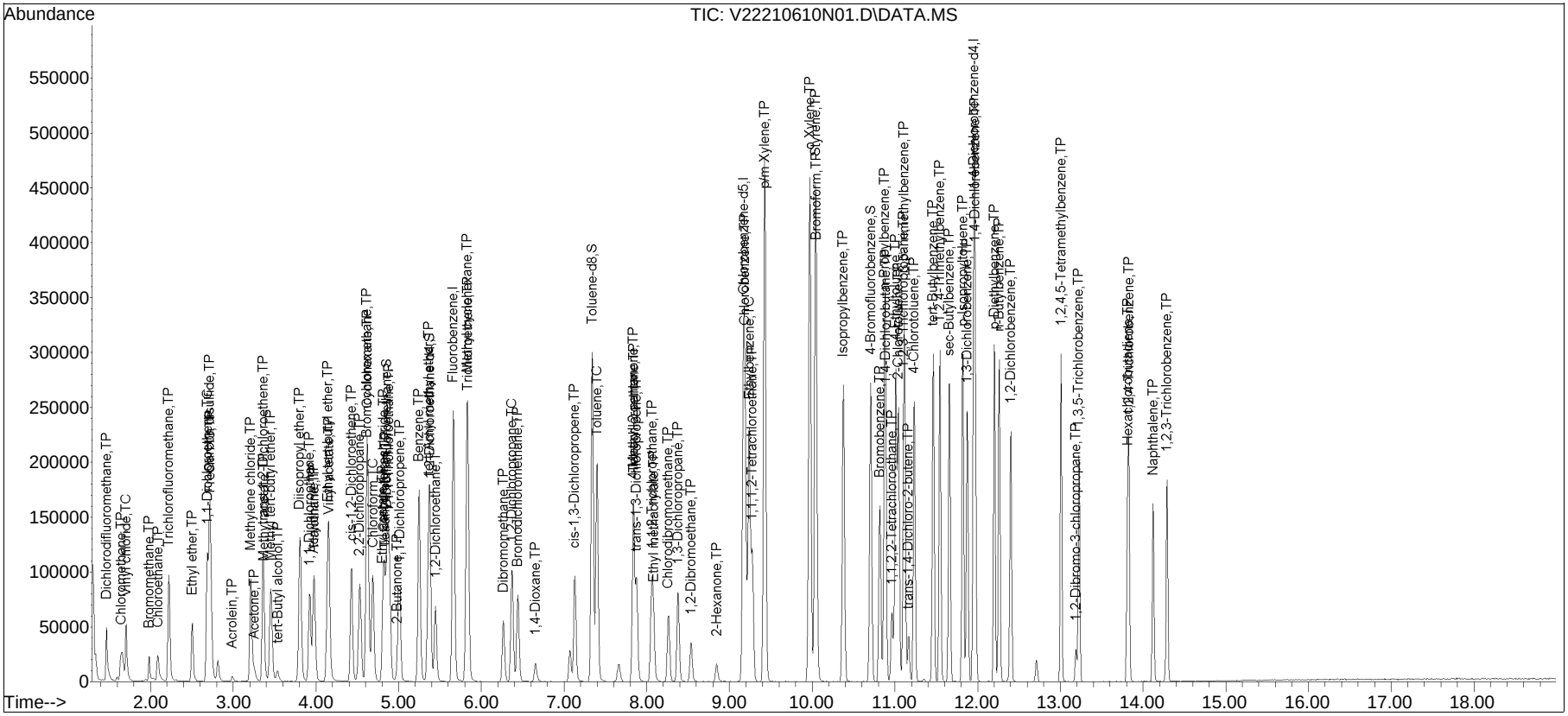
(#) = qualifier out of range (m) = manual integration (+) = signals summed

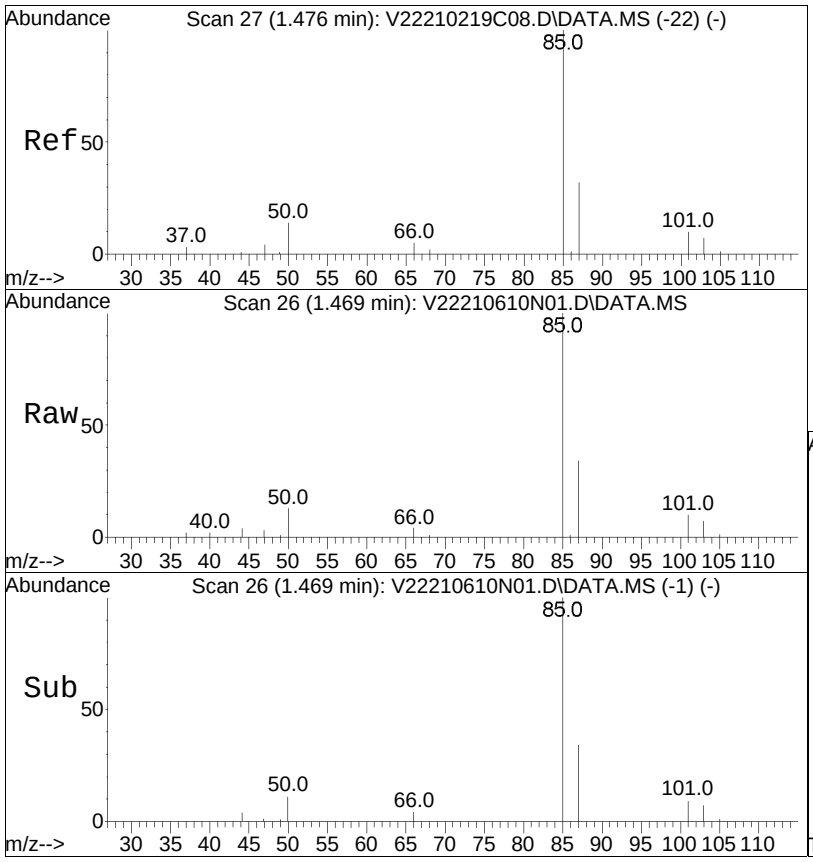
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N01.D
Acq On : 10 Jun 2021 08:01 pm
Operator : VOA122:TMS
Sample : WG1510951-3,31,10,10
Misc : WG1510951,ICAL17864
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 10 20:25:40 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

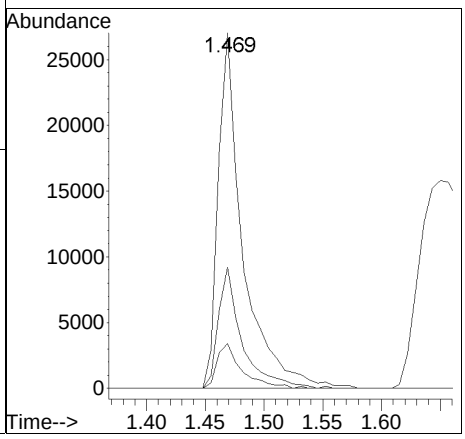


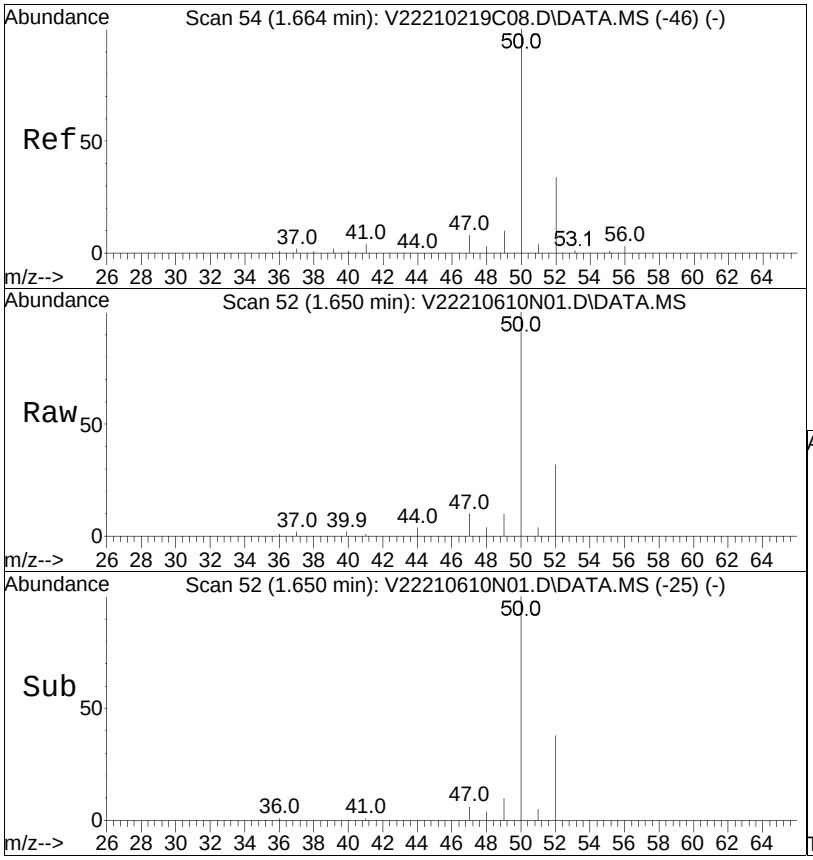


#2
Dichlorodifluoromethane
Concen: 10.08 ug/L
RT: 1.469 min Scan# 26
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 85 Resp: 39723

Ion	Ratio	Lower	Upper
85	100		
87	32.6	20.7	42.9
50	12.8	6.8	14.2

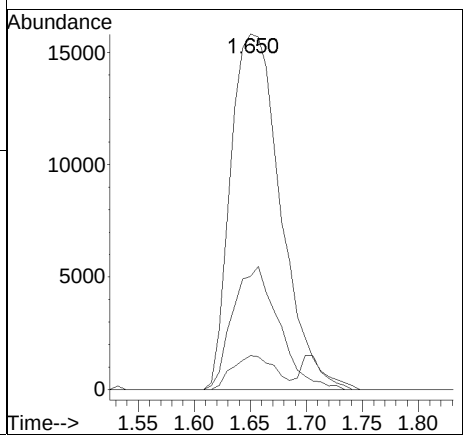


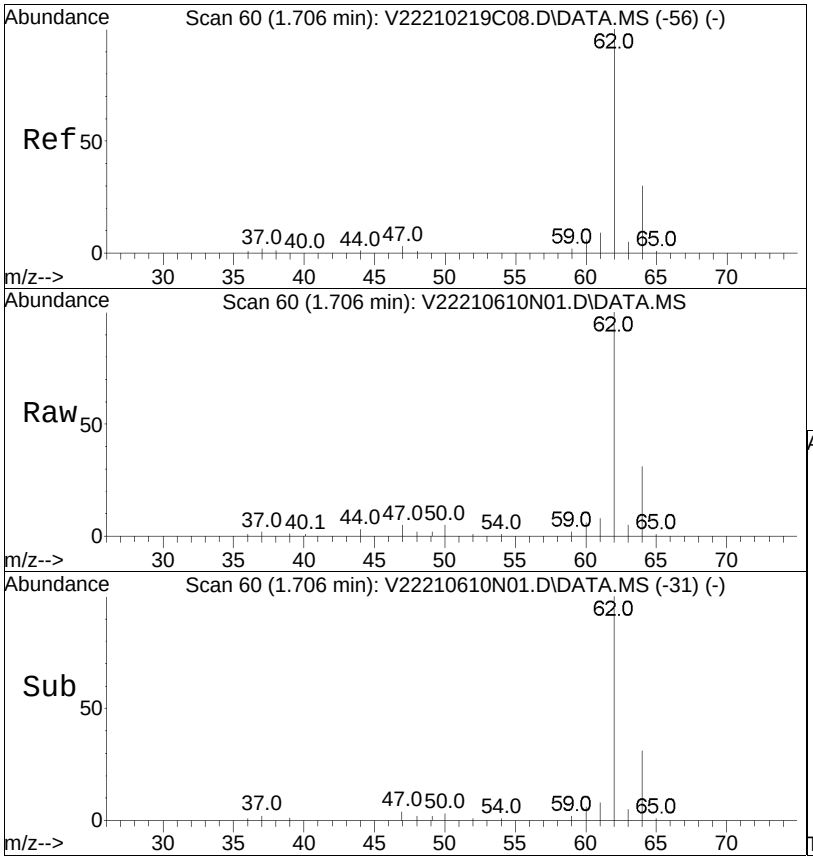


#3
Chloromethane
Concen: 8.53 ug/L
RT: 1.650 min Scan# 52
Delta R.T. -0.014 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 50 Resp: 49127

Ion	Ratio	Lower	Upper
50	100		
52	31.9	12.8	52.8
47	8.1	0.0	30.0

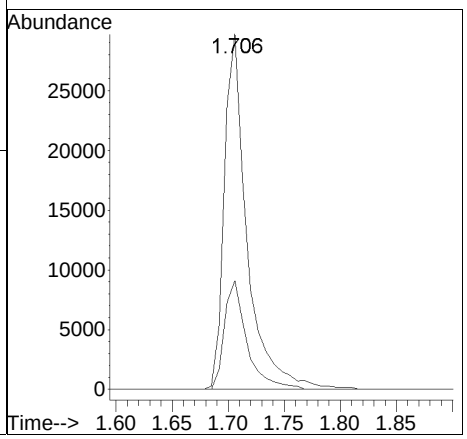


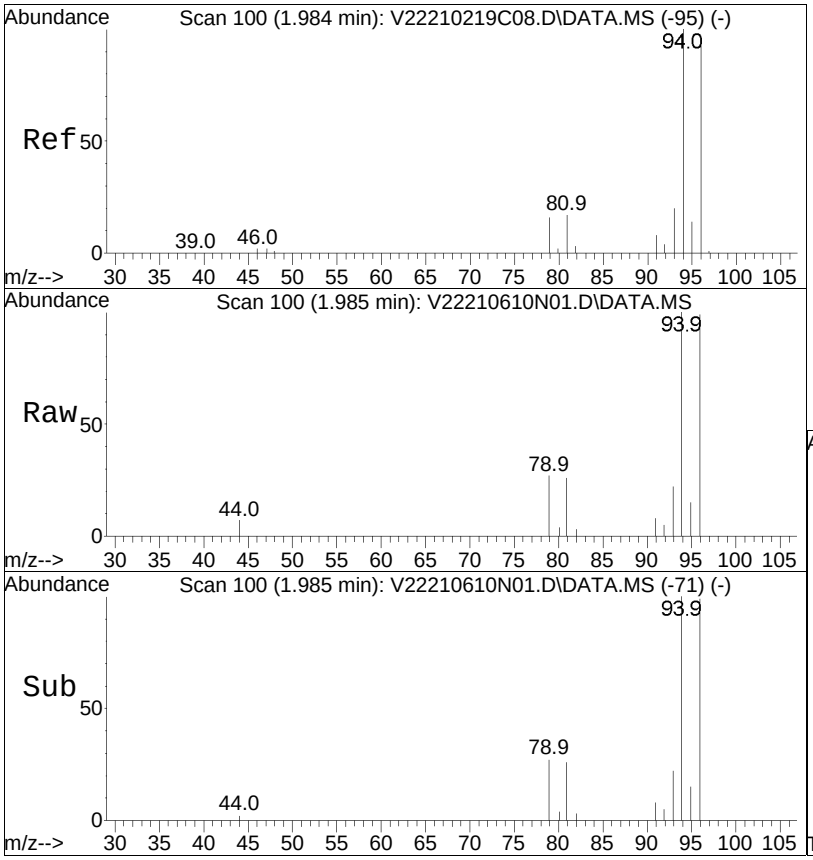


#4
Vinyl chloride
Concen: 7.99 ug/L
RT: 1.706 min Scan# 60
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 62 Resp: 42164

Ion	Ratio	Lower	Upper
62	100		
64	30.2	12.0	52.0

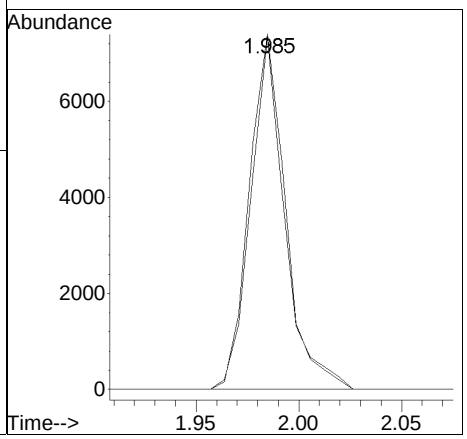


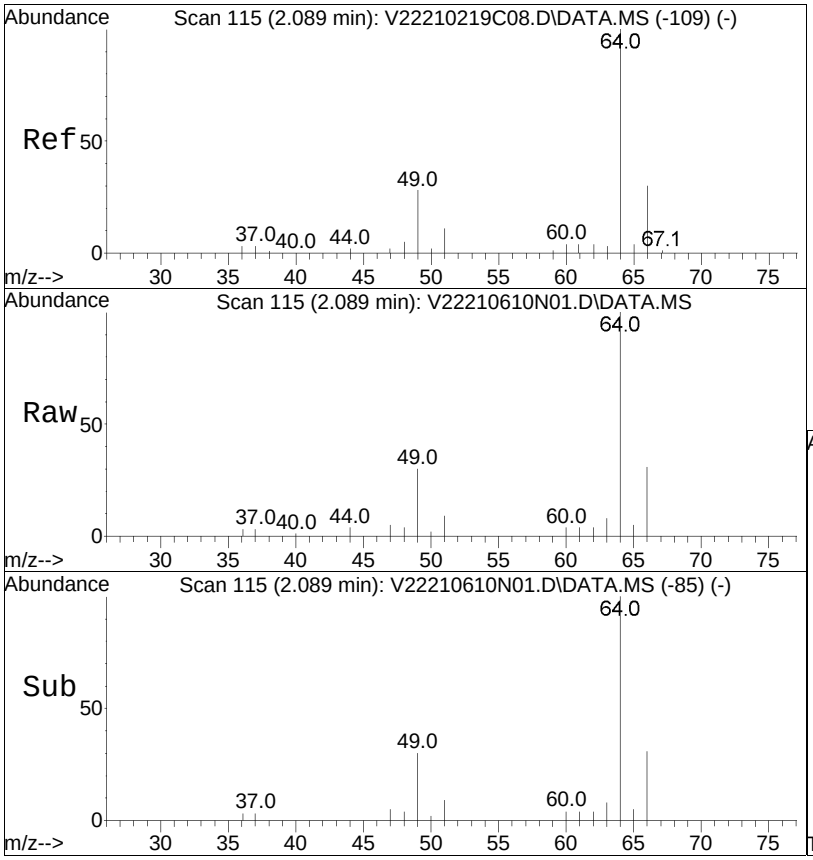


#5
Bromomethane
Concen: 5.58 ug/L
RT: 1.985 min Scan# 100
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 94 Resp: 9067

Ion	Ratio	Lower	Upper
94	100		
96	93.6	72.8	112.8

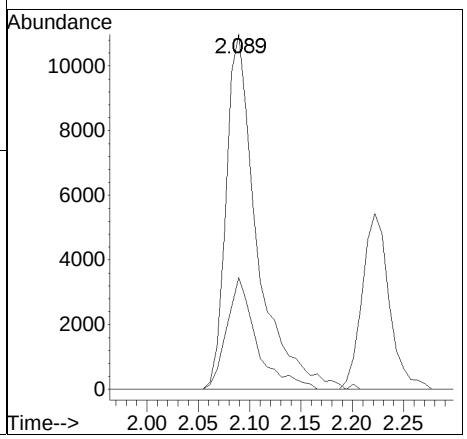


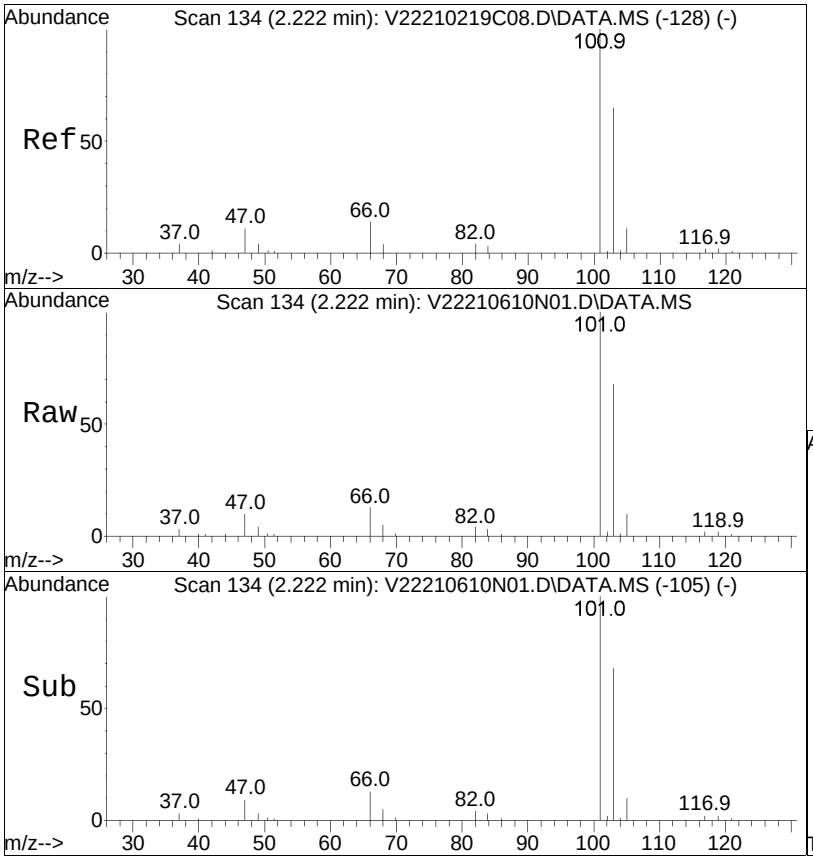


#6
Chloroethane
Concen: 7.56 ug/L
RT: 2.089 min Scan# 115
Delta R.T. 0.007 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 64 Resp: 23086

Ion	Ratio	Lower	Upper
64	100		
66	30.5	12.2	52.2

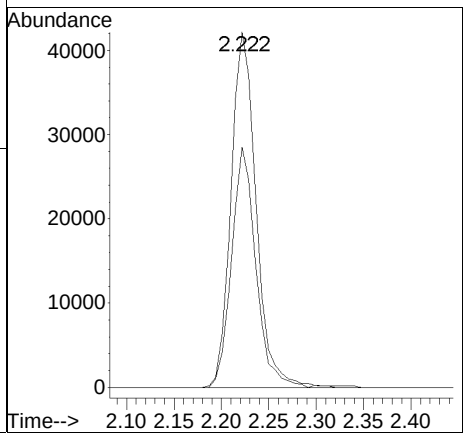


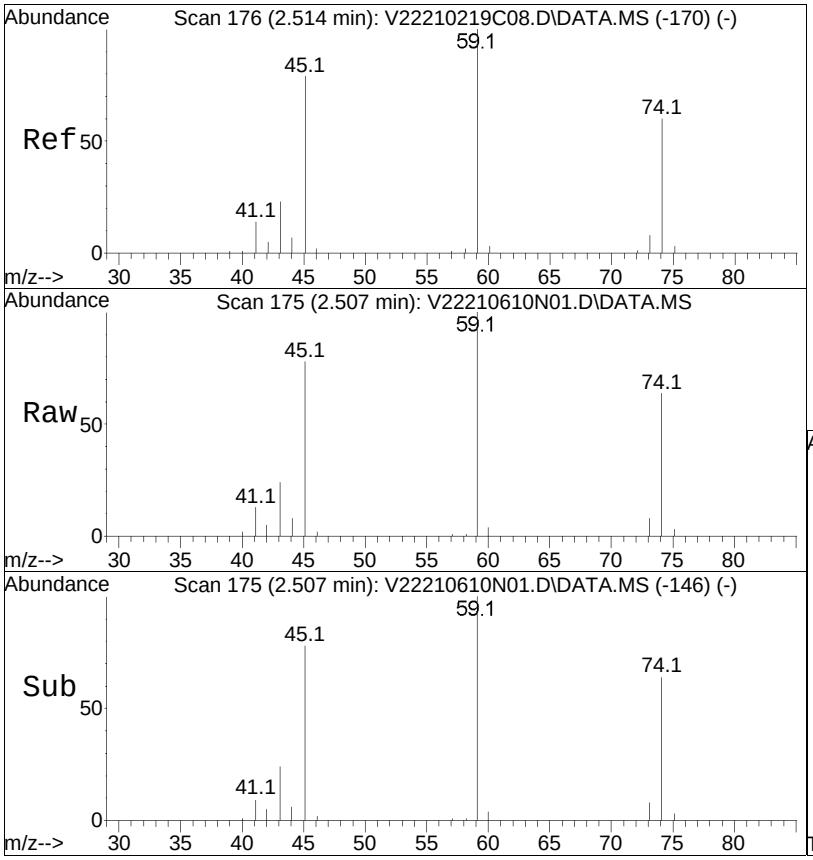


#7
Trichlorofluoromethane
Concen: 12.06 ug/L
RT: 2.222 min Scan# 134
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:101 Resp: 77632

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.6	77.4

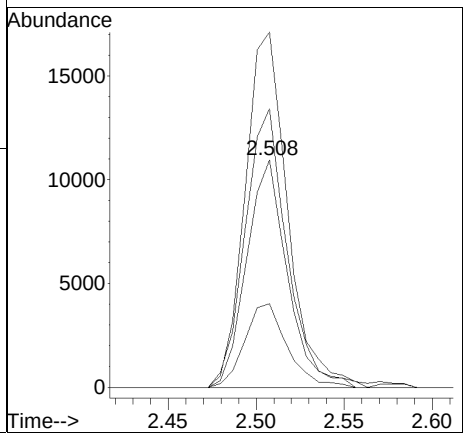


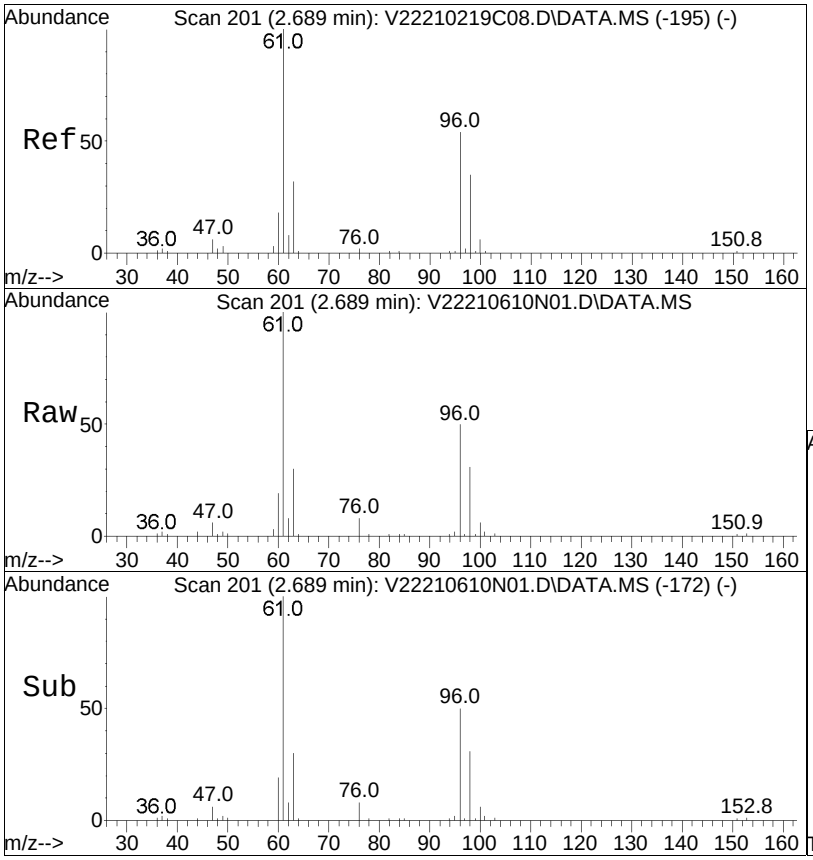


#8
Ethyl ether
Concen: 8.29 ug/L
RT: 2.507 min Scan# 175
Delta R.T. -0.001 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 74 Resp: 17695

Ion	Ratio	Lower	Upper
74	100		
59	164.2	2122.4	4408.0#
45	125.8	1435.1	2980.5#
43	38.5	407.9	847.3#

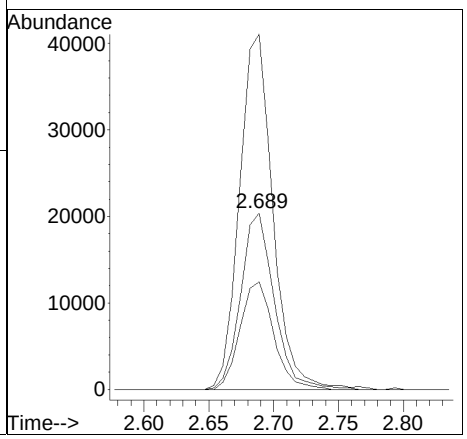


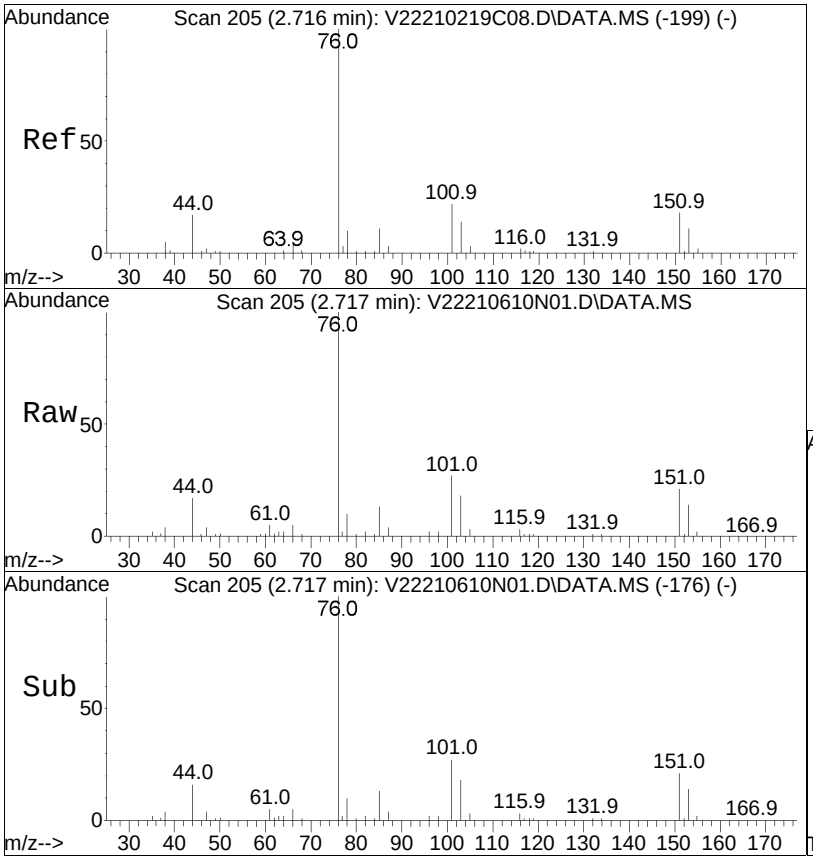


#10
1,1-Dichloroethene
Concen: 9.49 ug/L
RT: 2.689 min Scan# 201
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 96 Resp: 36585

Ion	Ratio	Lower	Upper
96	100		
61	201.0	117.0	175.4#
63	61.5	37.8	56.6#

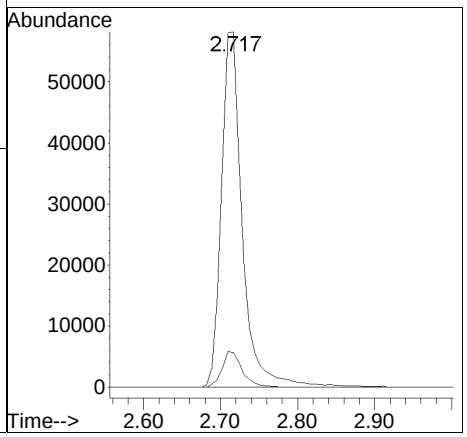


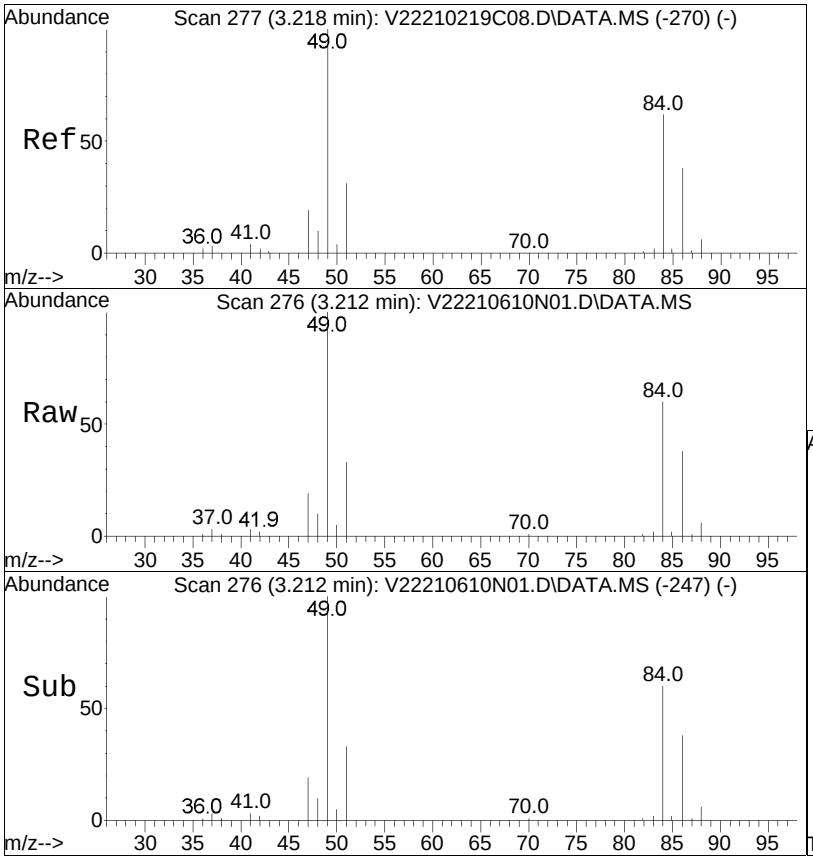


#11
Carbon disulfide
Concen: 9.43 ug/L
RT: 2.717 min Scan# 205
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 76 Resp: 110446

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.4	13.4

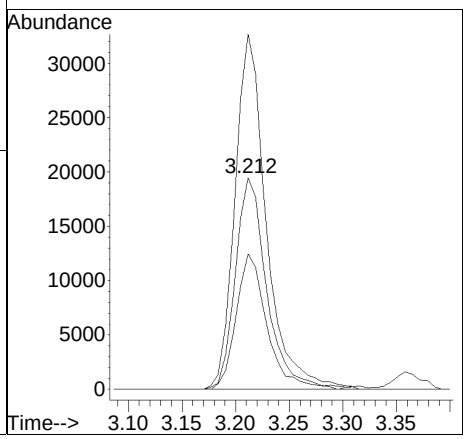


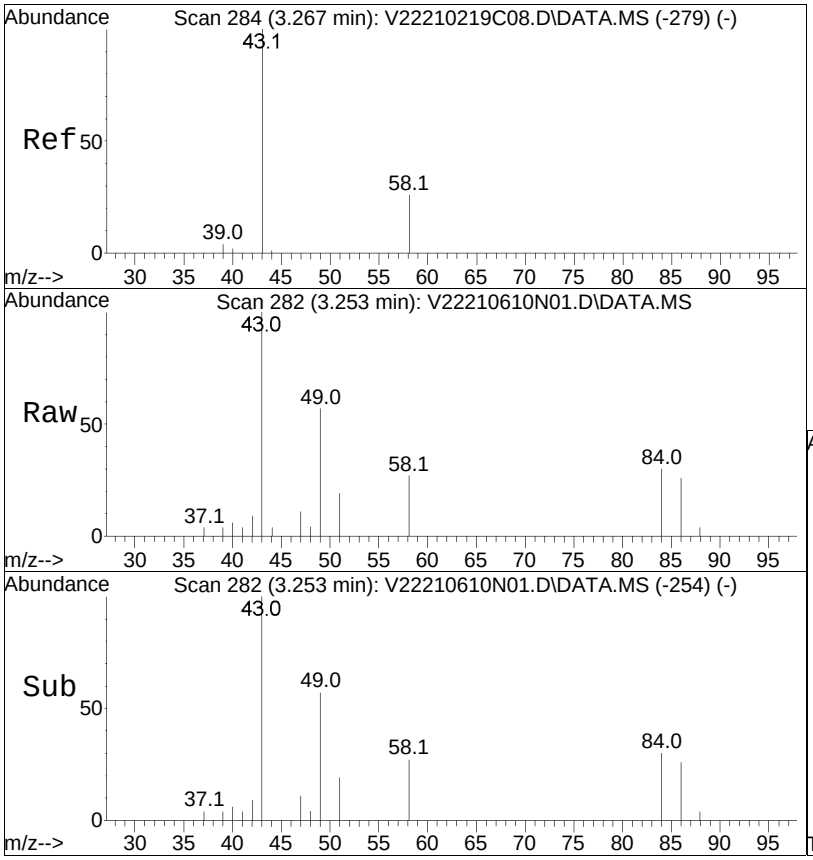


#15
Methylene chloride
Concen: 9.15 ug/L
RT: 3.212 min Scan# 276
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 84 Resp: 39875

Ion	Ratio	Lower	Upper
84	100		
86	62.6	41.5	86.3
49	167.0	68.8	143.0#

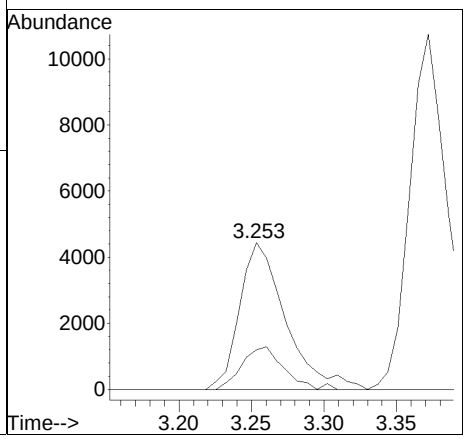


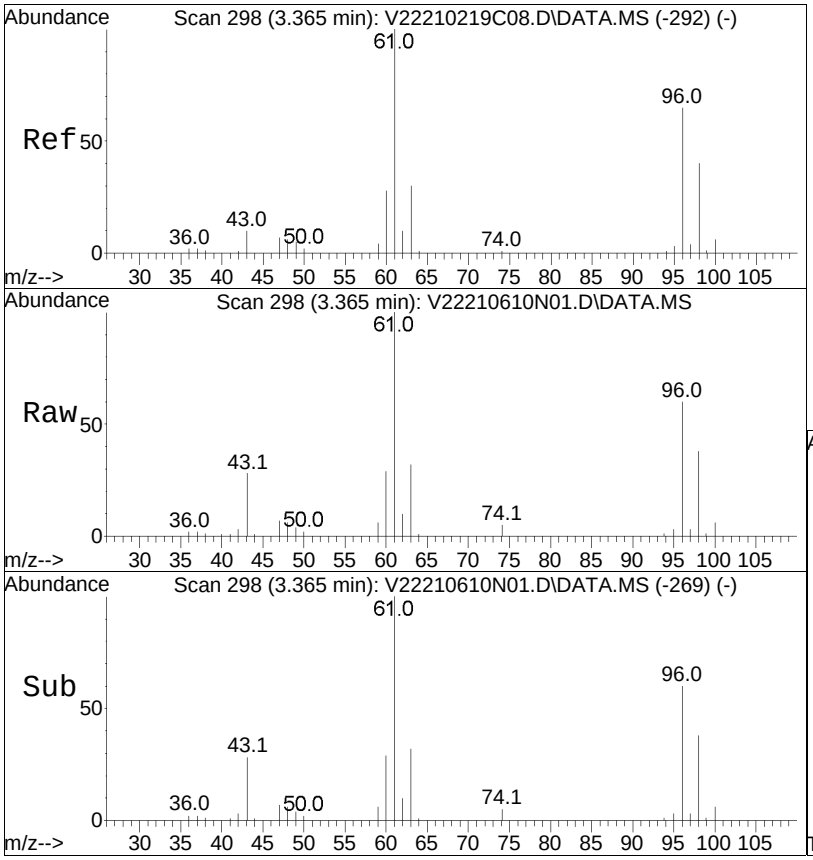


#17
Acetone
Concen: 8.61 ug/L
RT: 3.253 min Scan# 282
Delta R.T. -0.007 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 43 Resp: 9806

Ion	Ratio	Lower	Upper
43	100		
58	26.4	23.1	34.7

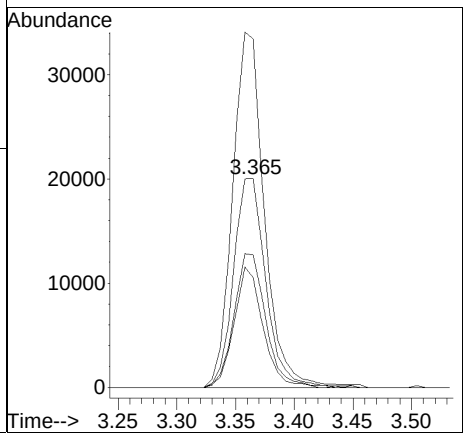


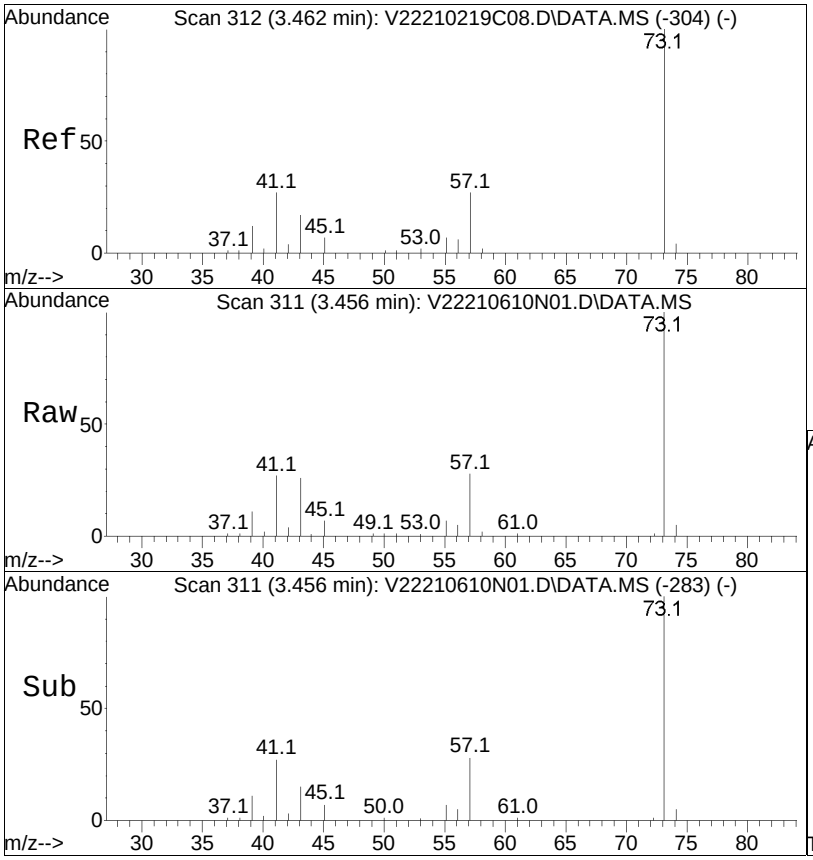


#18
trans-1,2-Dichloroethene
Concen: 9.32 ug/L
RT: 3.365 min Scan# 298
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 96 Resp: 38345

Ion	Ratio	Lower	Upper
96	100		
61	166.7	81.6	169.6
98	62.9	41.8	86.8
63	51.5	26.3	54.7

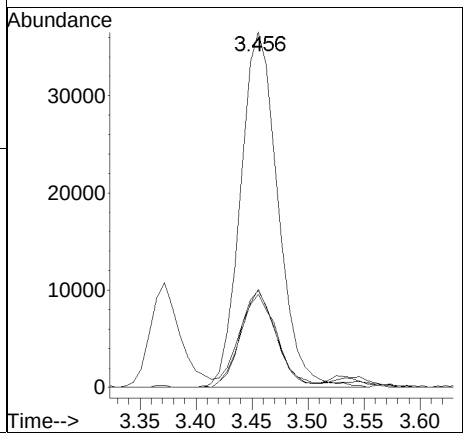


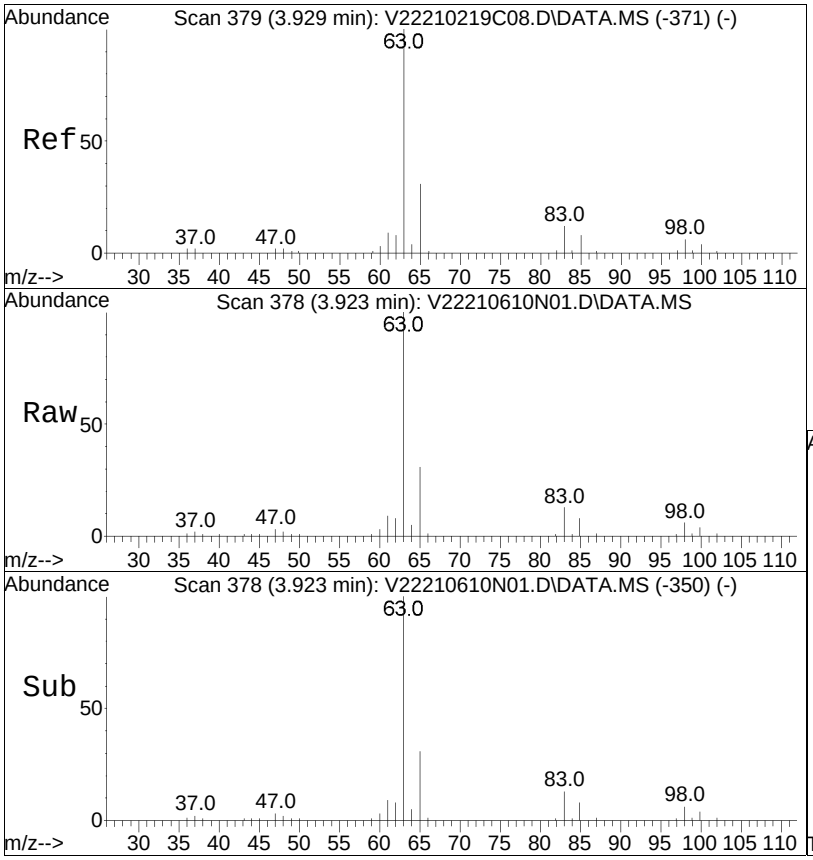


#21
Methyl tert-butyl ether
Concen: 8.91 ug/L
RT: 3.456 min Scan# 311
Delta R.T. -0.007 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 73 Resp: 85008

Ion	Ratio	Lower	Upper
73	100		
57	26.0	13.6	28.2
43	27.2	12.7	26.5#
41	26.2	11.4	23.8#

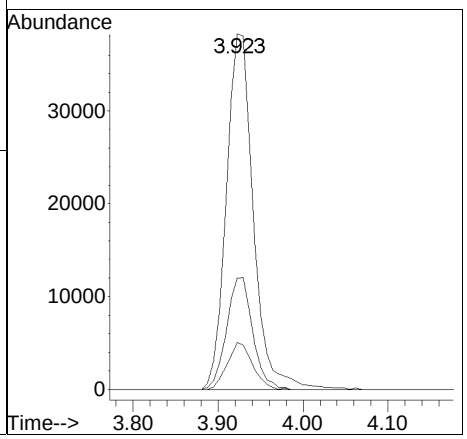


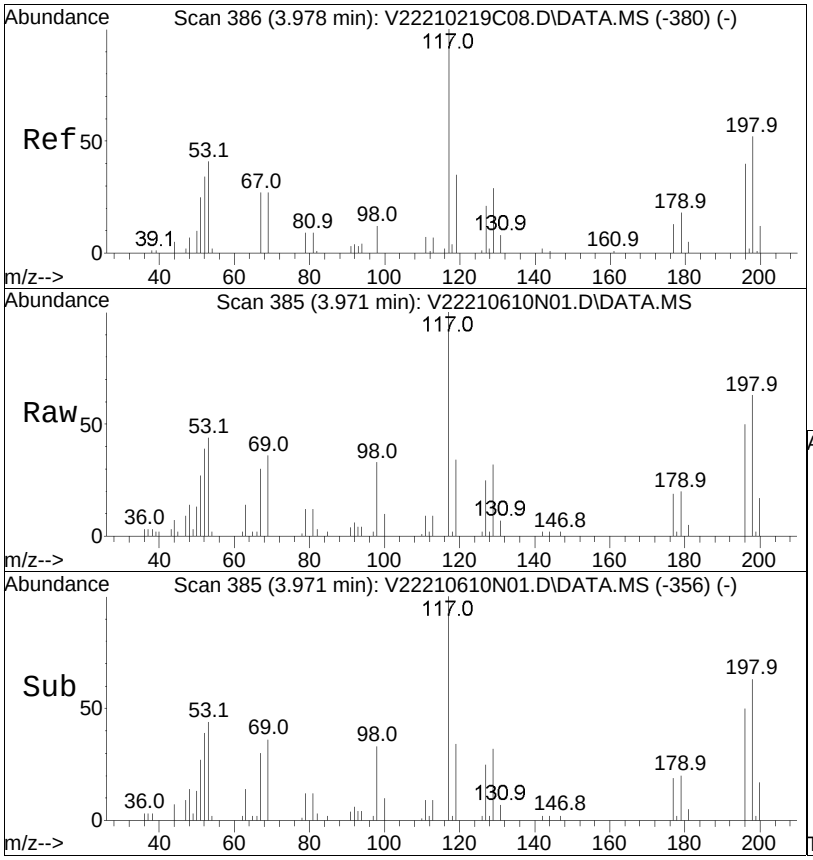


#25
1,1-Dichloroethane
Concen: 9.54 ug/L
RT: 3.923 min Scan# 378
Delta R.T. -0.007 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 63 Resp: 85012

Ion	Ratio	Lower	Upper
63	100		
65	30.2	11.9	51.9
83	12.3	0.0	34.2

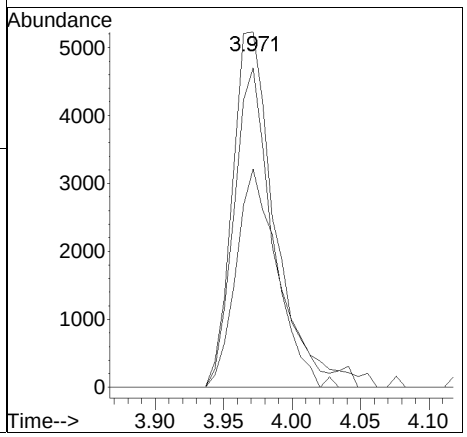


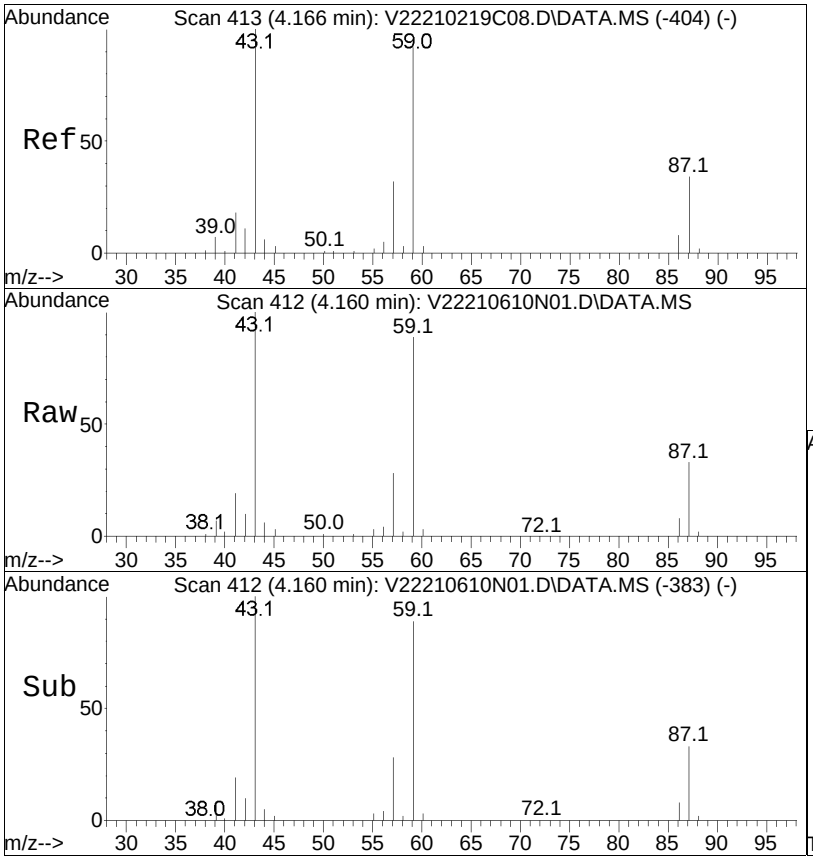


#27
Acrylonitrile
Concen: 9.00 ug/L
RT: 3.971 min Scan# 385
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 53 Resp: 11441

Ion	Ratio	Lower	Upper
53	100		
52	85.9	63.8	95.8
51	59.4	50.2	75.4

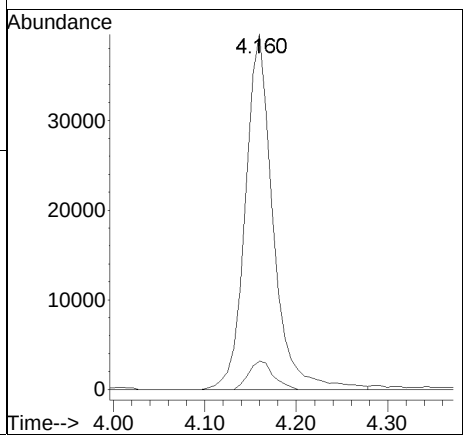


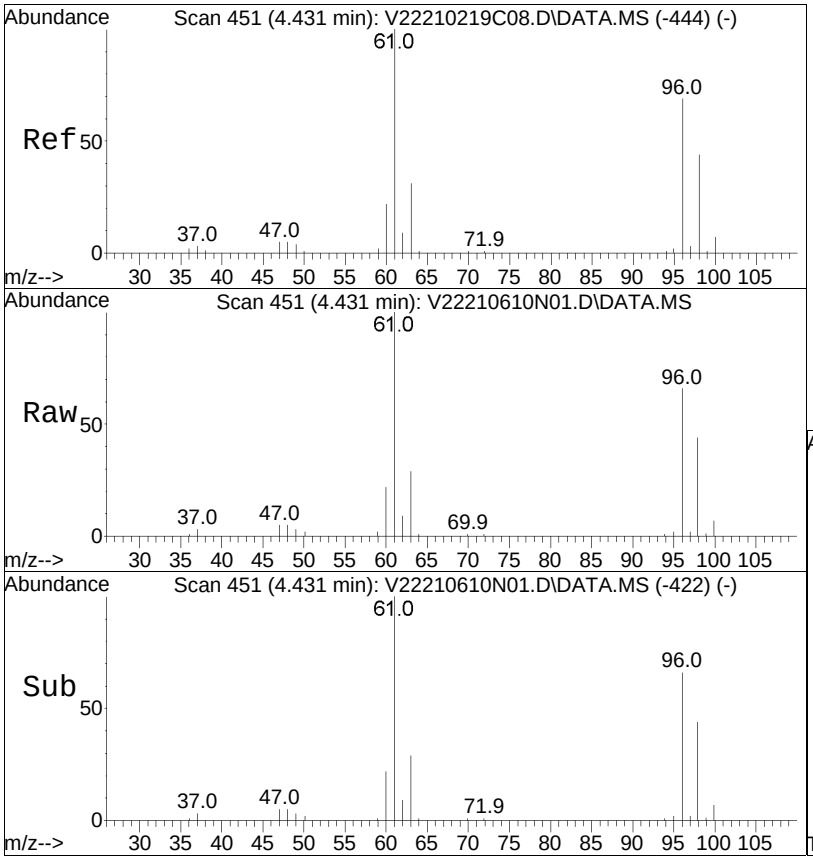


#29
Vinyl acetate
Concen: 10.44 ug/L
RT: 4.160 min Scan# 412
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 43 Resp: 83608

Ion	Ratio	Lower	Upper
43	100		
86	7.1	8.9	13.3#

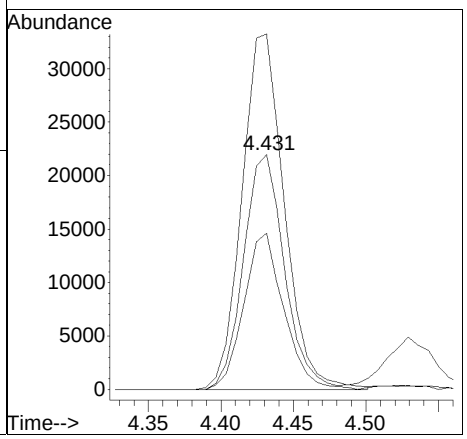


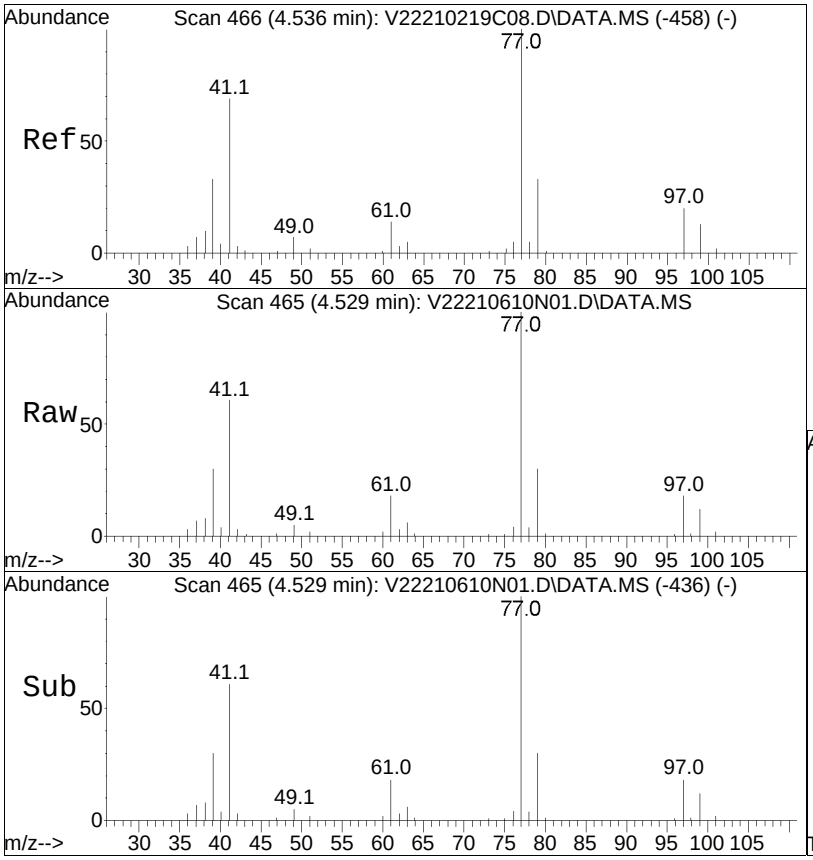


#30
cis-1,2-Dichloroethene
Concen: 9.29 ug/L
RT: 4.431 min Scan# 451
Delta R.T. -0.001 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 96 Resp: 43485

Ion	Ratio	Lower	Upper
96	100		
61	154.6	90.3	135.5#
98	64.4	50.8	76.2

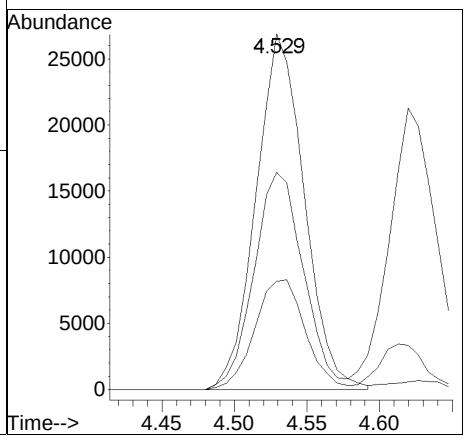


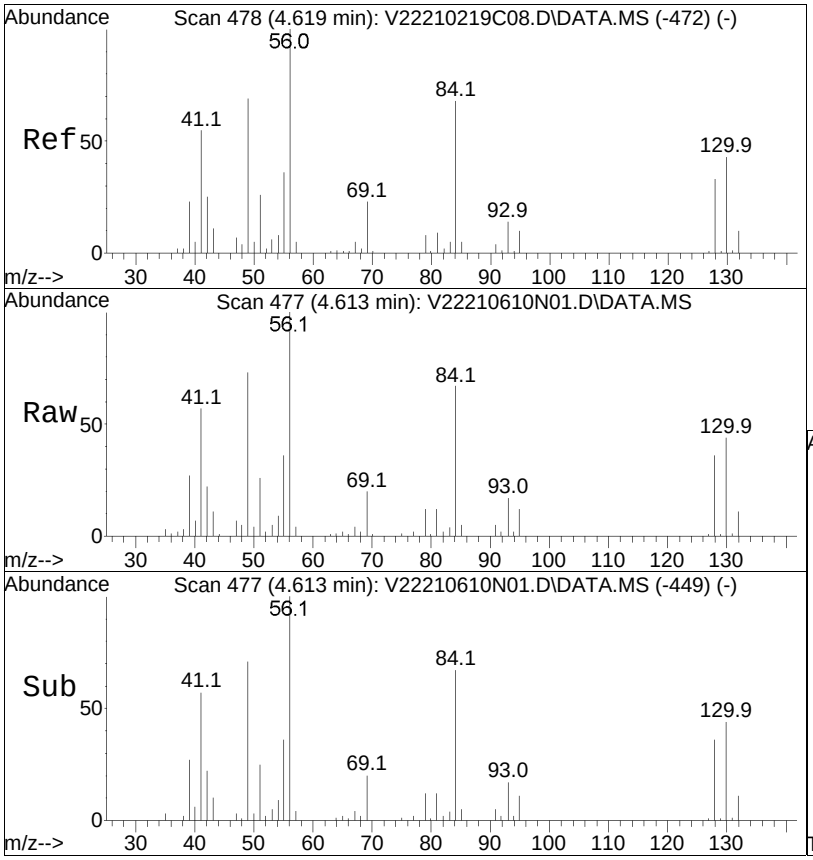


#31
2,2-Dichloropropane
Concen: 9.91 ug/L
RT: 4.529 min Scan# 465
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 77 Resp: 62097

Ion	Ratio	Lower	Upper
77	100		
41	62.9	32.3	67.1
79	32.4	21.1	43.7

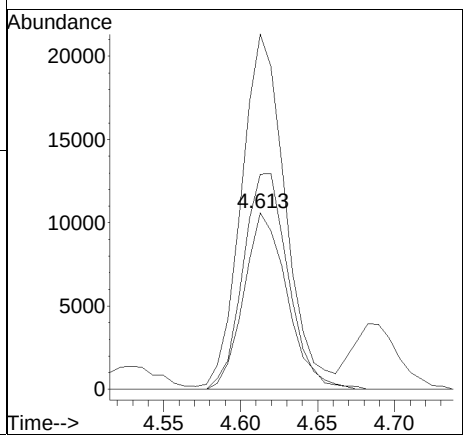


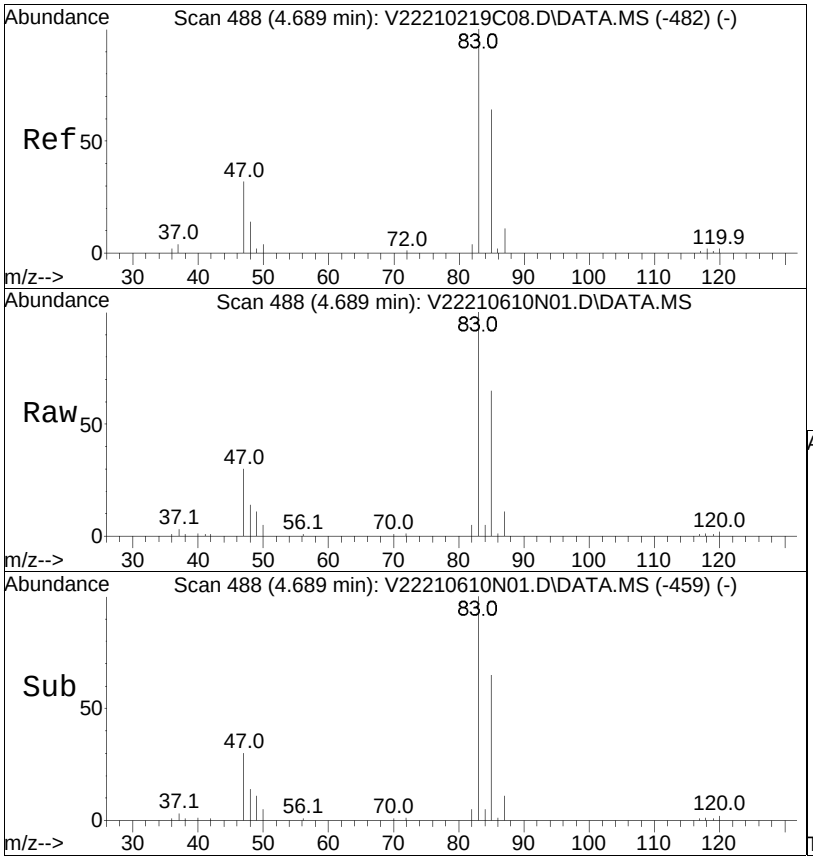


#32
Bromochloromethane
Concen: 10.88 ug/L
RT: 4.613 min Scan# 477
Delta R.T. -0.007 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:128 Resp: 20698

Ion	Ratio	Lower	Upper
128	100		
49	205.8	104.4	156.6#
130	128.0	103.9	155.9

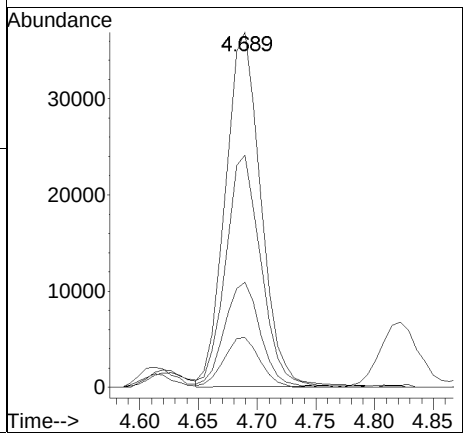


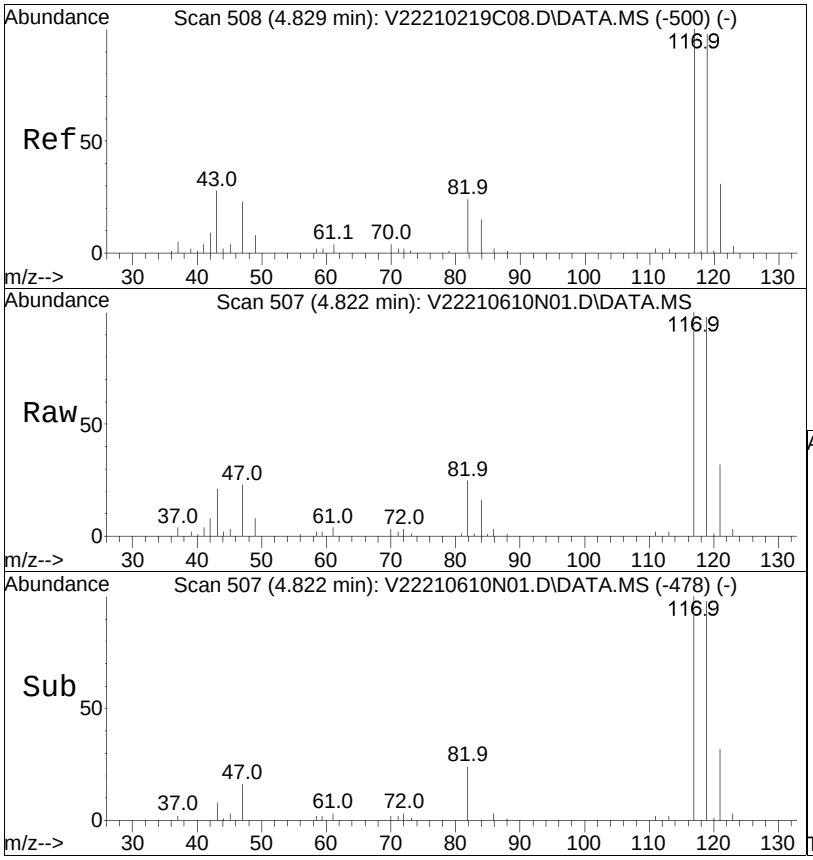


#34
Chloroform
Concen: 9.73 ug/L
RT: 4.689 min Scan# 488
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 83 Resp: 77339

Ion	Ratio	Lower	Upper
83	100		
85	65.7	42.4	88.2
47	30.4	14.0	29.0#
48	14.4	6.9	14.3#

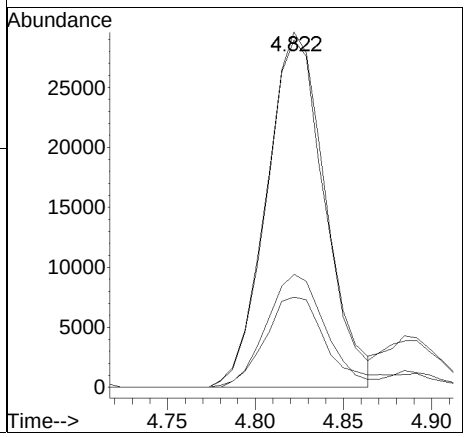


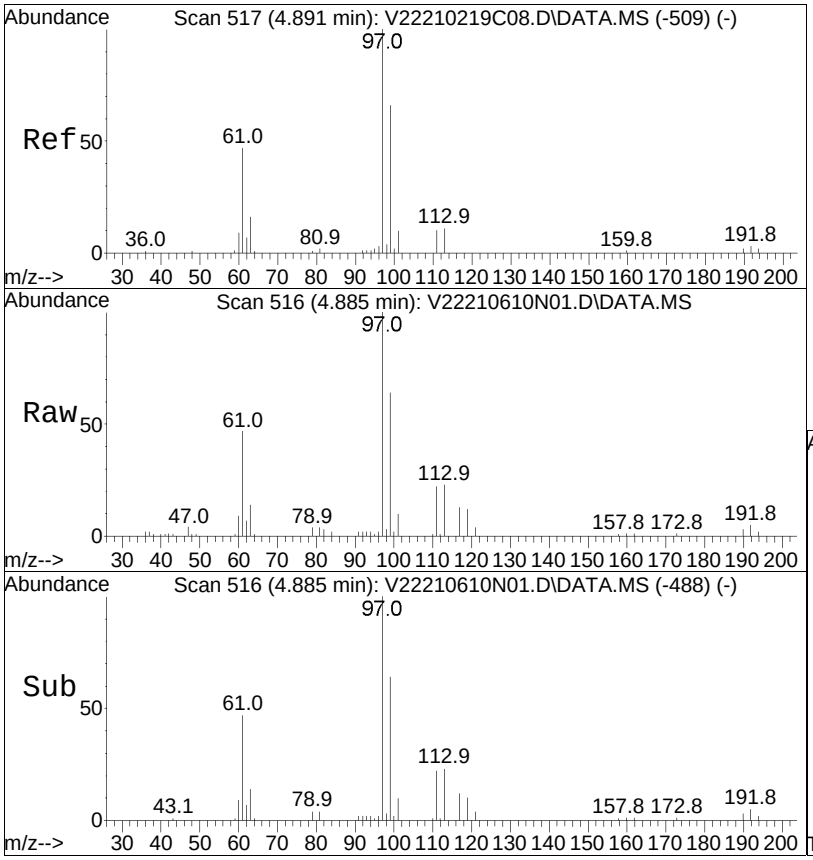


#36
Carbon tetrachloride
Concen: 11.99 ug/L
RT: 4.822 min Scan# 507
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:117 Resp: 69056

Ion	Ratio	Lower	Upper
117	100		
119	96.6	62.1	129.1
121	31.7	20.3	42.3
82	27.5	15.4	32.0

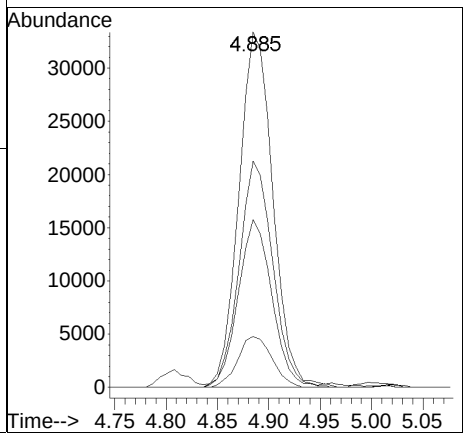


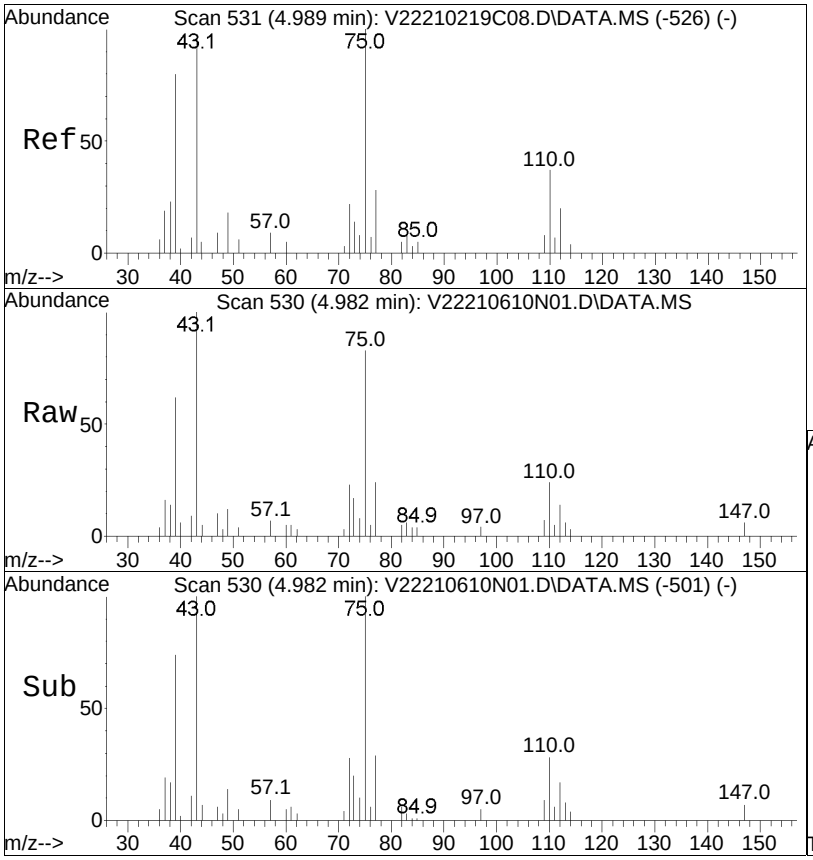


#39
1,1,1-Trichloroethane
Concen: 11.27 ug/L
RT: 4.885 min Scan# 516
Delta R.T. -0.007 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 97 Resp: 77412

Ion	Ratio	Lower	Upper
97	100		
99	62.9	42.4	88.0
61	46.8	26.0	54.0
63	14.5	8.3	17.3

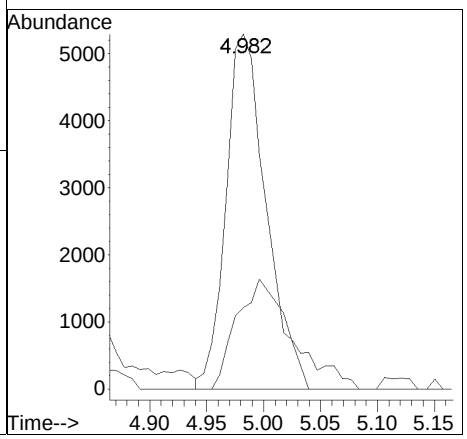


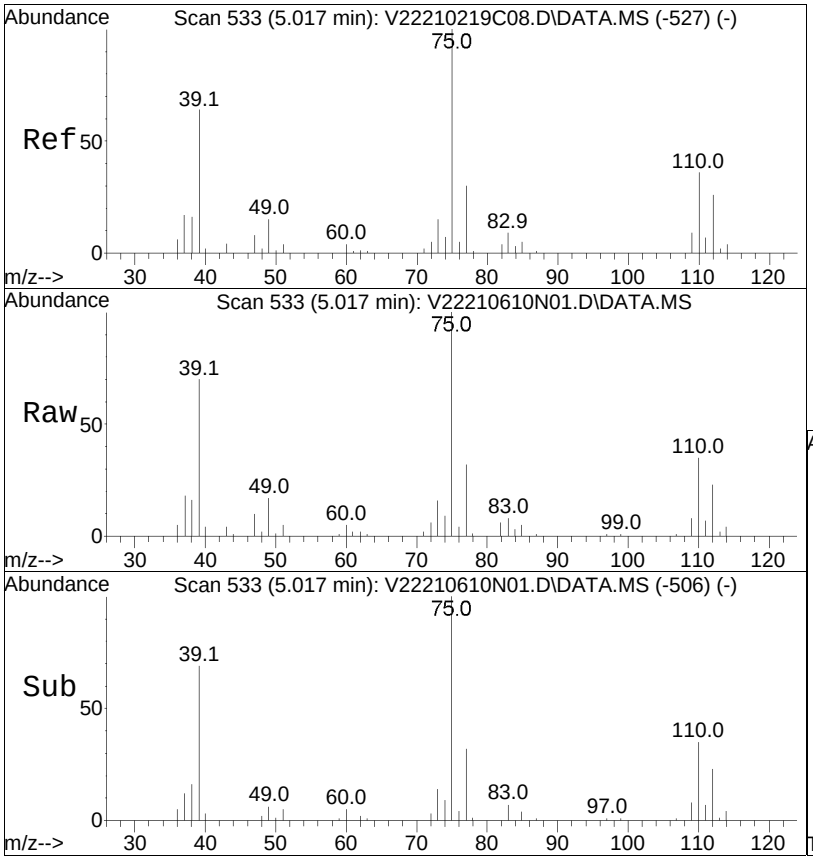


#41
2-Butanone
Concen: 9.77 ug/L
RT: 4.982 min Scan# 530
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 43 Resp: 13506

Ion	Ratio	Lower	Upper
43	100		
72	30.9	45.8	68.8#

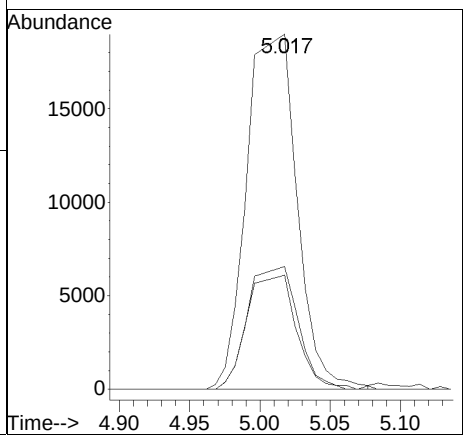


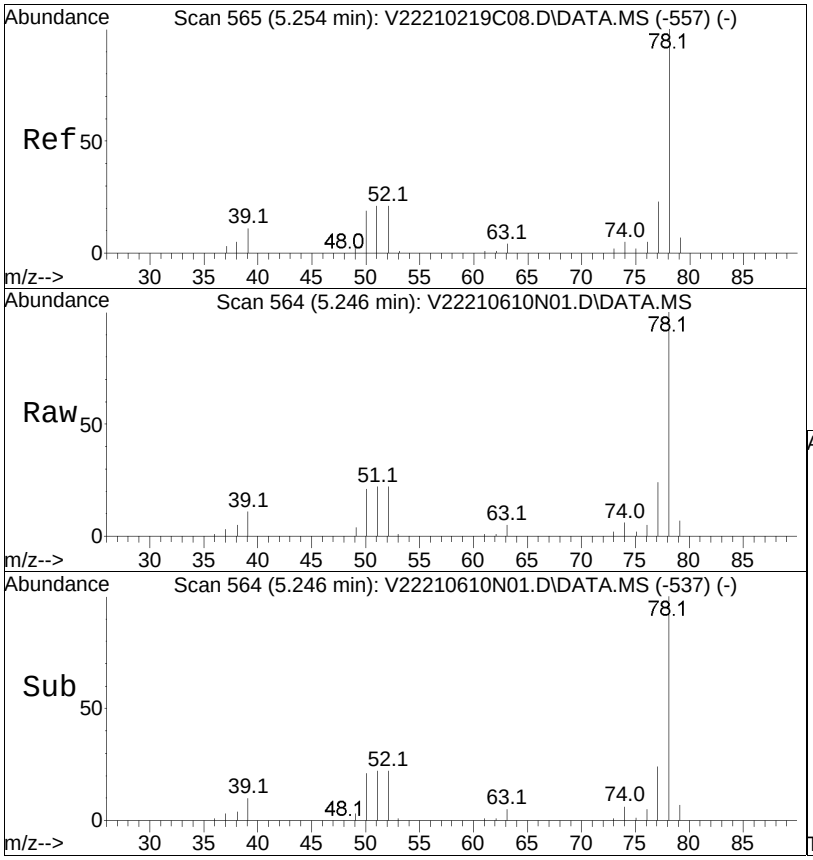


#42
1,1-Dichloropropene
Concen: 9.00 ug/L
RT: 5.017 min Scan# 533
Delta R.T. -0.001 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 75 Resp: 36106

Ion	Ratio	Lower	Upper
75	100		
110	35.1	25.4	52.8
77	31.8	20.3	42.1

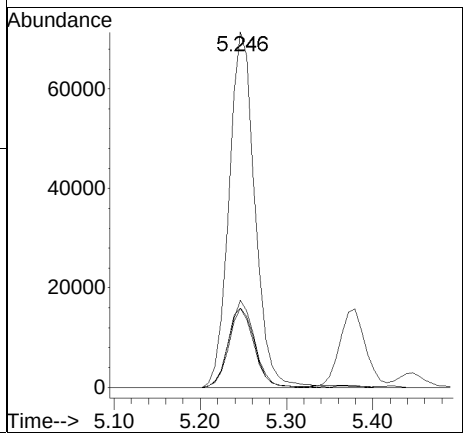


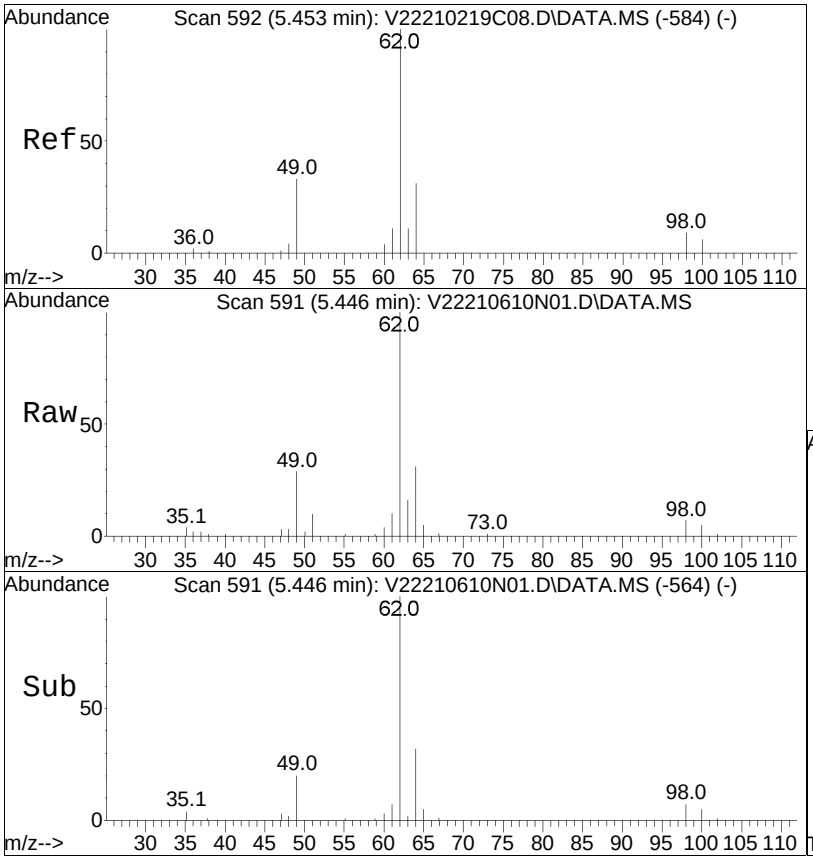


#44
Benzene
Concen: 8.97 ug/L
RT: 5.246 min Scan# 564
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 78 Resp: 149493

Ion	Ratio	Lower	Upper
78	100		
77	24.2	15.4	32.0
51	23.0	9.8	20.4#
52	21.6	9.2	19.2#

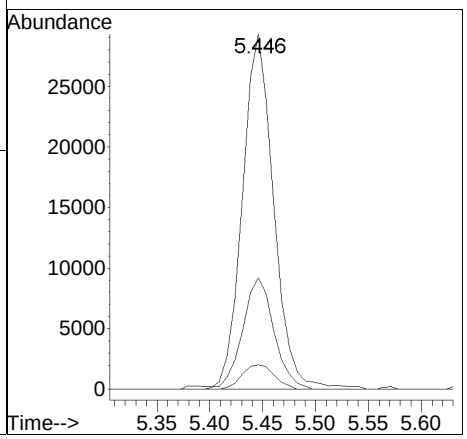


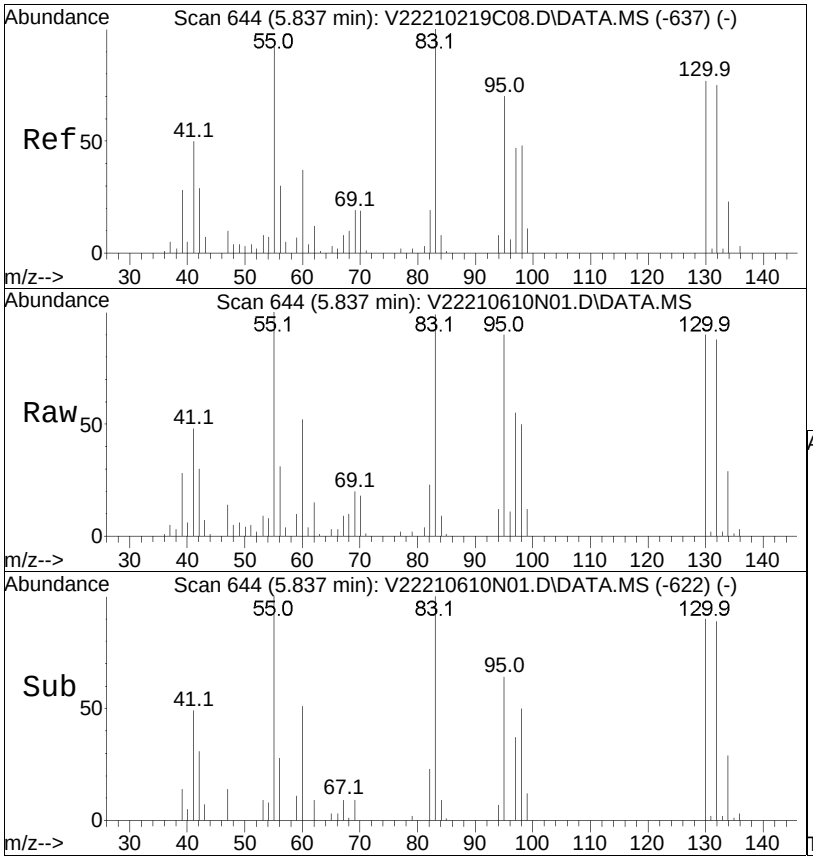


#47
1,2-Dichloroethane
Concen: 10.34 ug/L
RT: 5.446 min Scan# 591
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 62 Resp: 60388

Ion	Ratio	Lower	Upper
62	100		
64	31.5	12.3	52.3
98	7.2	0.0	30.3

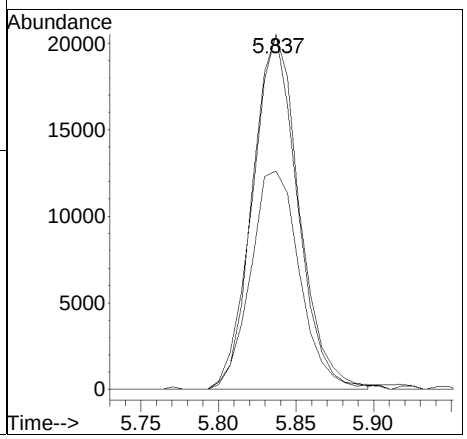


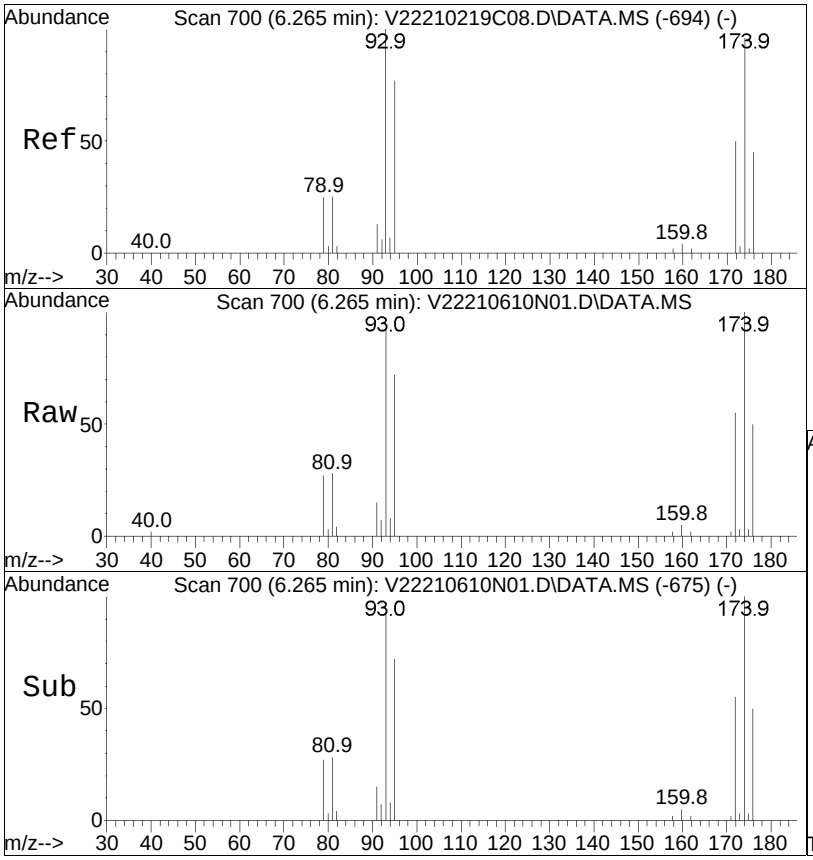


#51
Trichloroethene
Concen: 9.33 ug/L
RT: 5.837 min Scan# 644
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 95 Resp: 41354

Ion	Ratio	Lower	Upper
95	100		
97	67.5	55.0	82.4
130	103.6	89.2	133.8

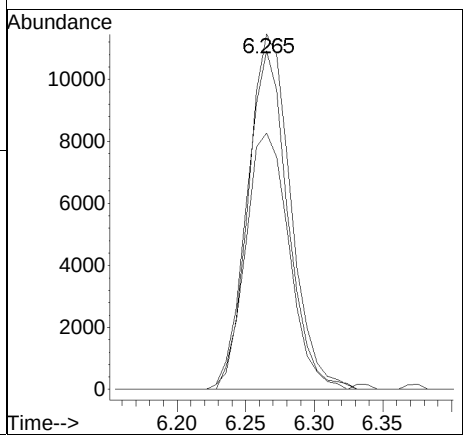


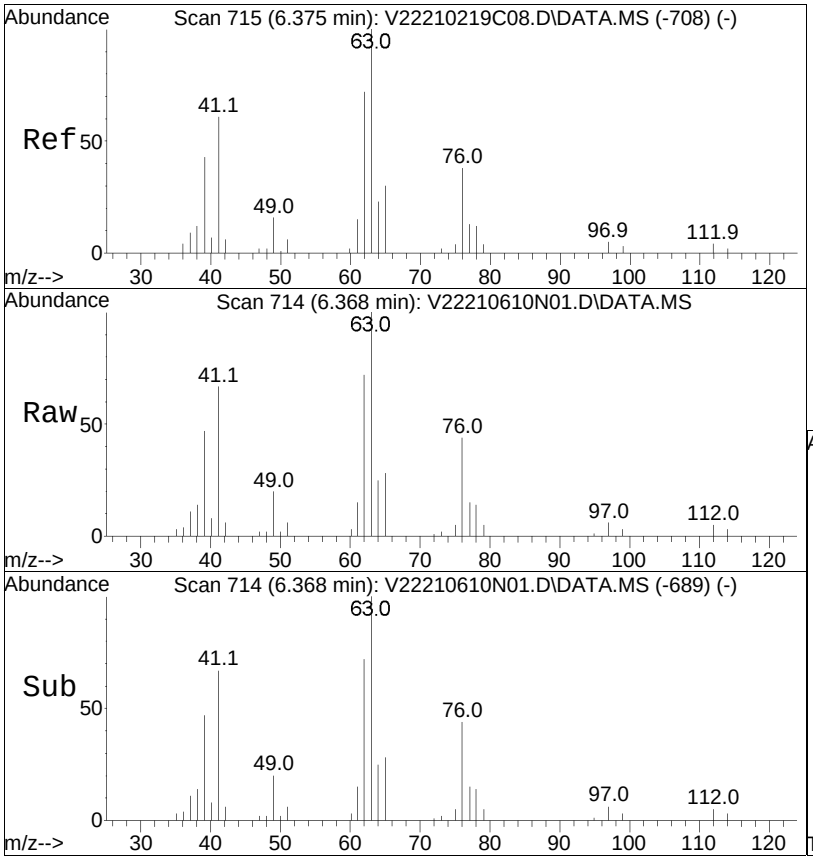


#53
Dibromomethane
Concen: 9.09 ug/L
RT: 6.265 min Scan# 700
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 93 Resp: 22649

Ion	Ratio	Lower	Upper
93	100		
95	80.6	68.0	102.0
174	108.3	106.1	159.1

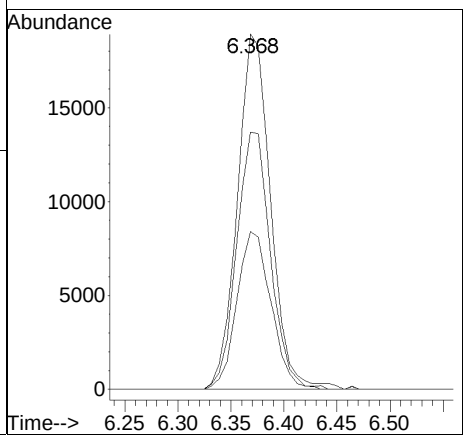


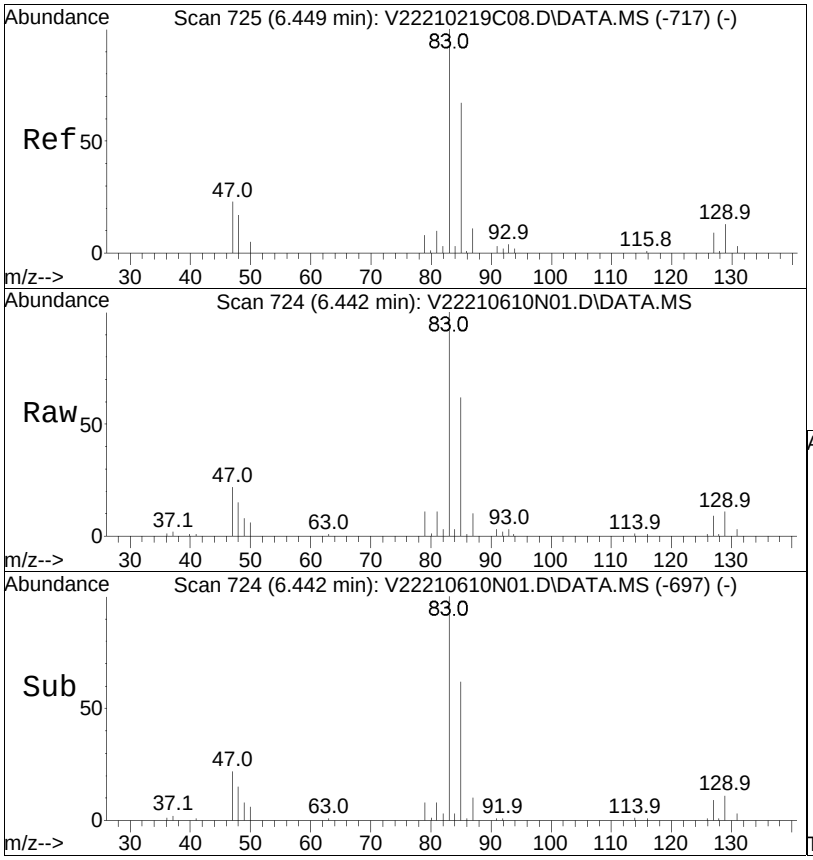


#54
1,2-Dichloropropane
Concen: 8.78 ug/L
RT: 6.368 min Scan# 714
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 63 Resp: 41345

Ion	Ratio	Lower	Upper
63	100		
62	73.5	56.9	85.3
76	45.6	35.8	53.8

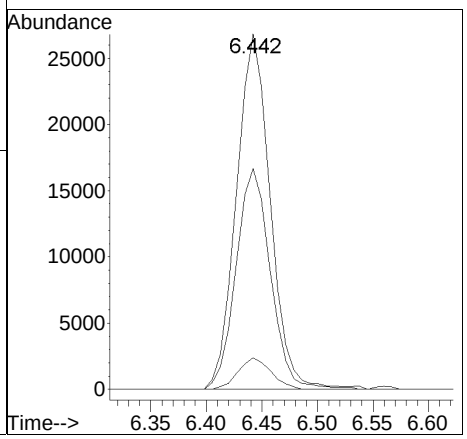


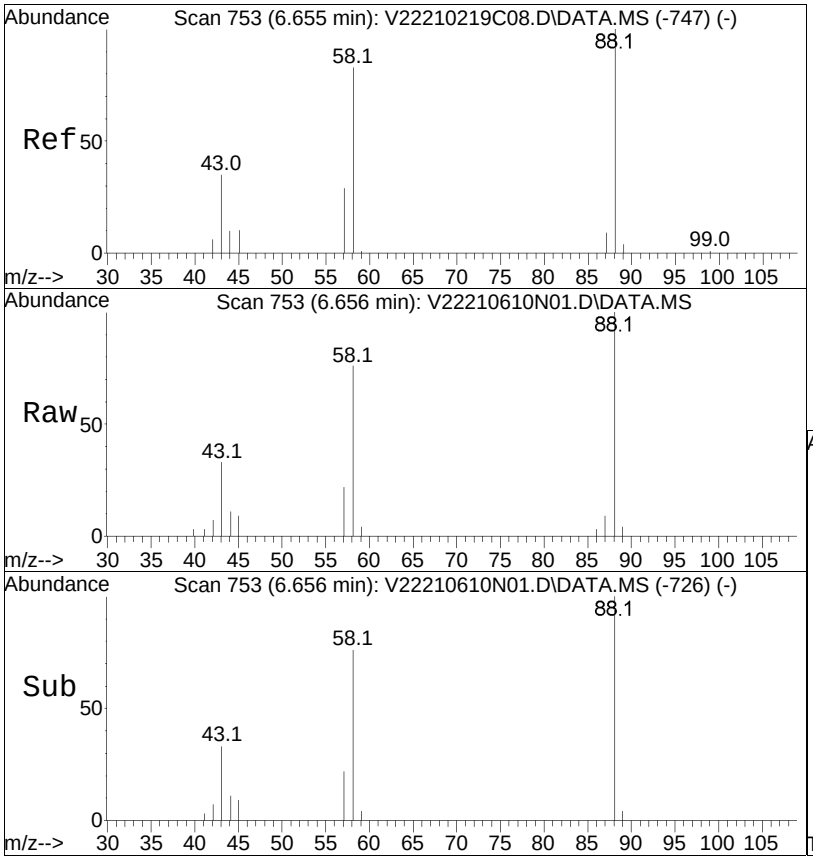


#57
Bromodichloromethane
Concen: 9.78 ug/L
RT: 6.442 min Scan# 724
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 83 Resp: 56992

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.6	77.4
127	8.7	7.4	11.0

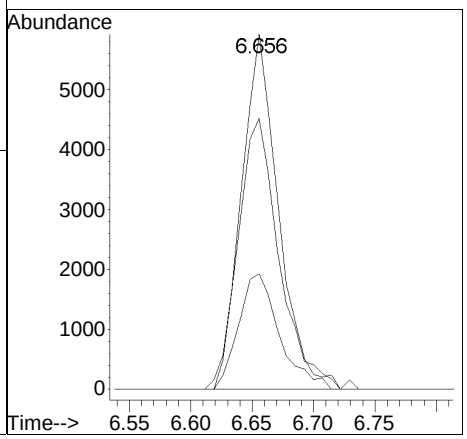


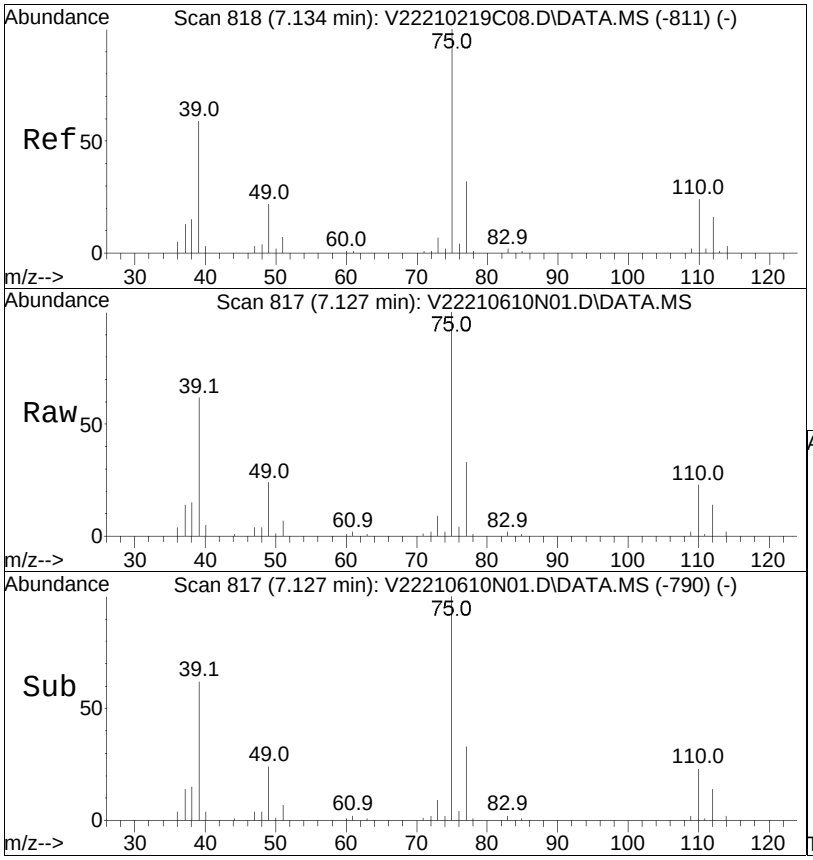


#60
1,4-Dioxane
Concen: 452.57 ug/L
RT: 6.656 min Scan# 753
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 88 Resp: 12611

Ion	Ratio	Lower	Upper
88	100		
58	82.4	43.3	64.9#
43	35.5	15.1	22.7#

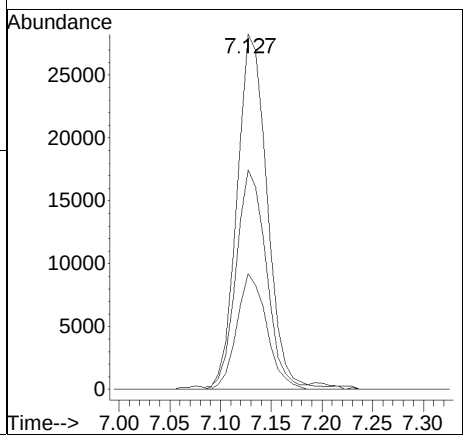


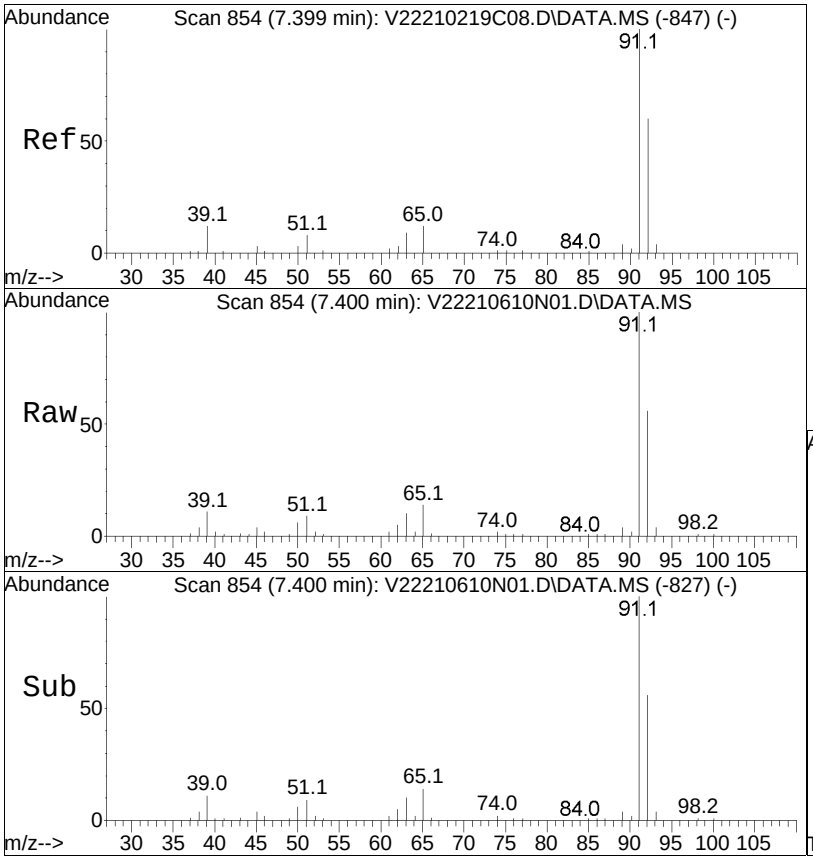


#61
cis-1,3-Dichloropropene
Concen: 8.98 ug/L
RT: 7.127 min Scan# 817
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 75 Resp: 59121

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4
39	63.0	35.4	53.0#

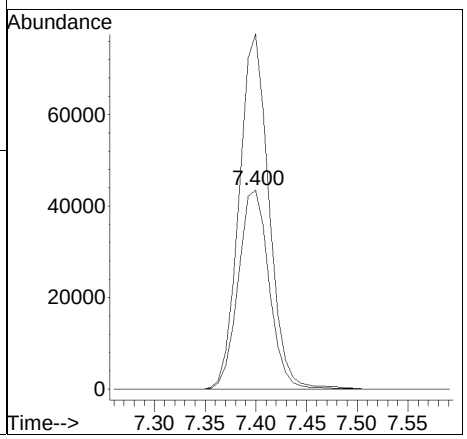


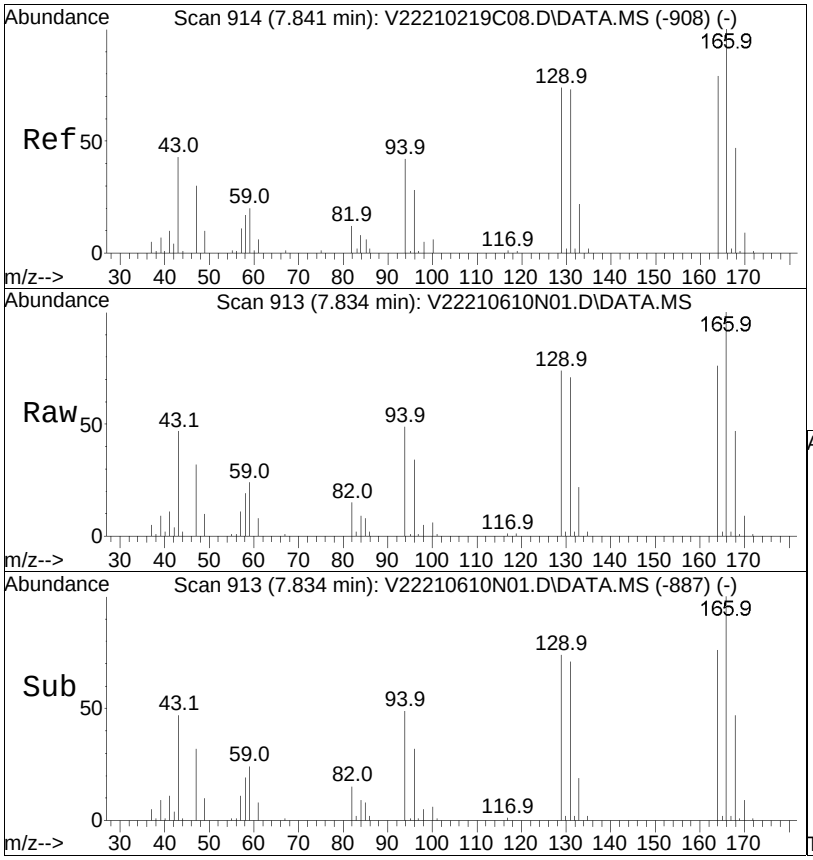


#64
Toluene
Concen: 8.71 ug/L
RT: 7.400 min Scan# 854
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 92 Resp: 92472

Ion	Ratio	Lower	Upper
92	100		
91	171.9	137.0	205.6

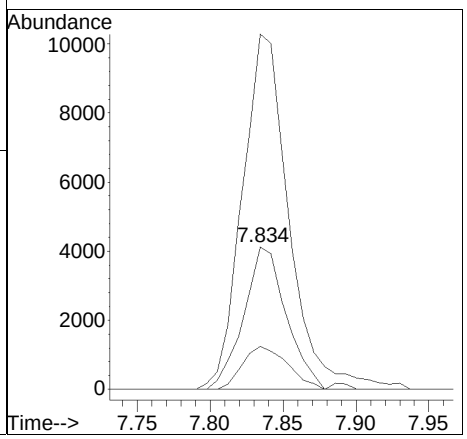


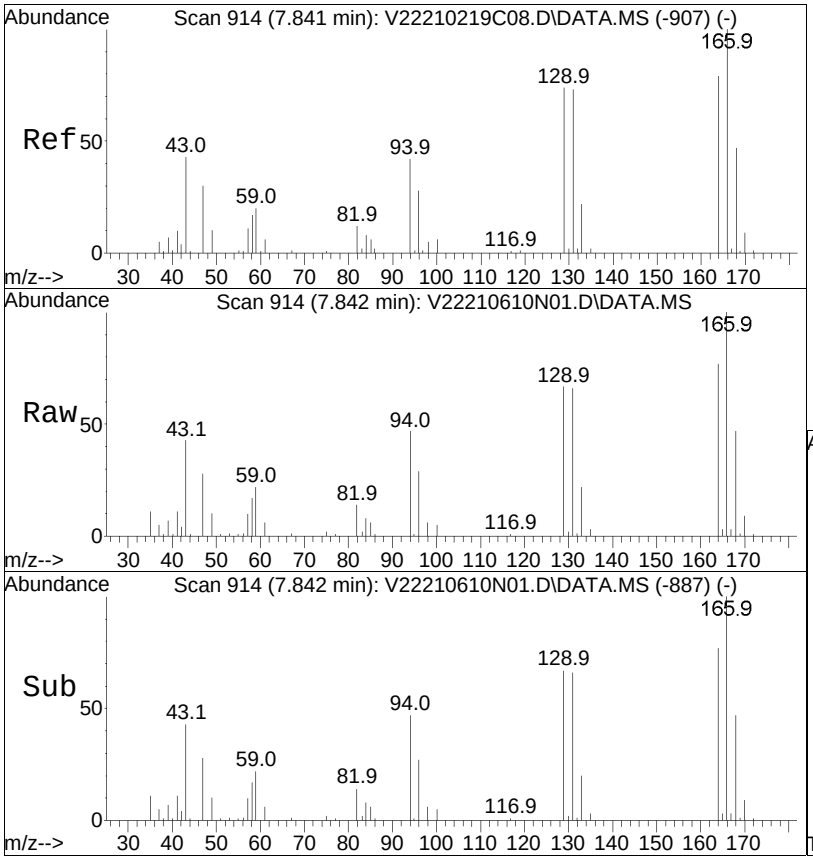


#65
4-Methyl-2-pentanone
Concen: 8.05 ug/L
RT: 7.834 min Scan# 913
Delta R.T. -0.008 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 58 Resp: 8514

Ion	Ratio	Lower	Upper
58	100		
100	31.5	36.2	54.4#
43	269.8	181.8	272.8

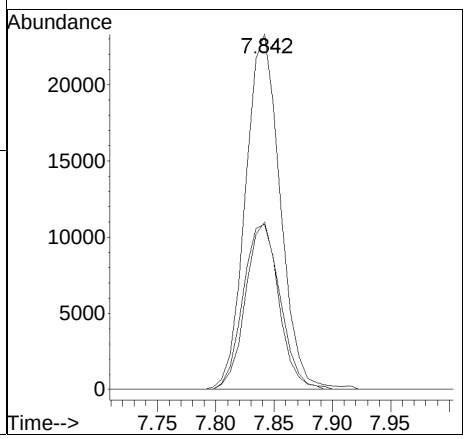


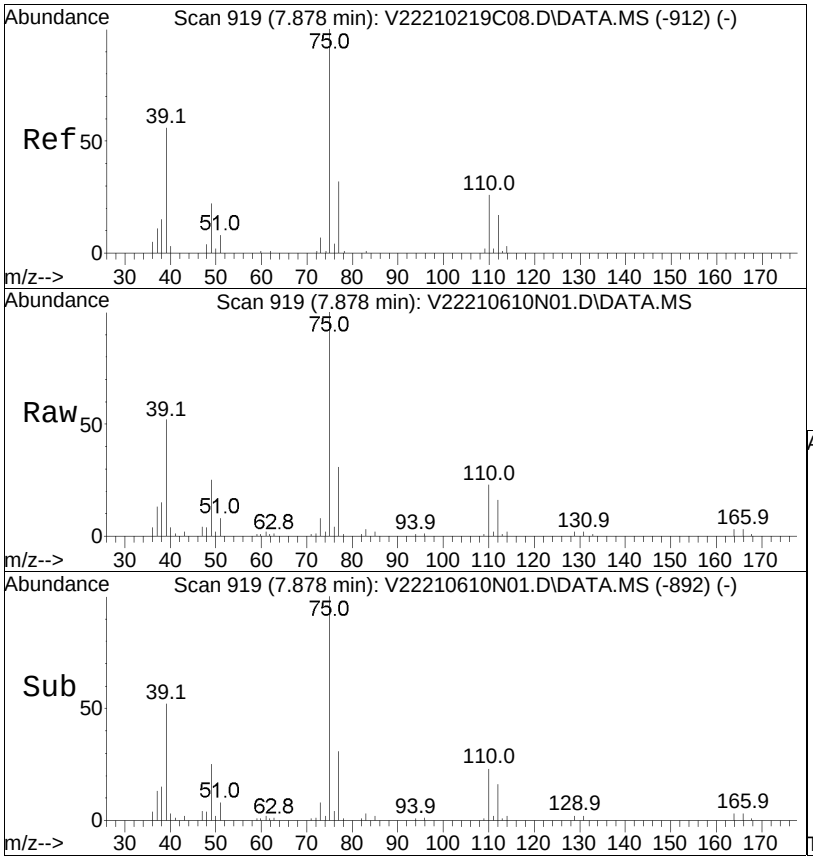


#66
Tetrachloroethene
Concen: 11.25 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:166 Resp: 48340

Ion	Ratio	Lower	Upper
166	100		
168	46.7	27.8	67.8
94	48.0	16.7	56.7

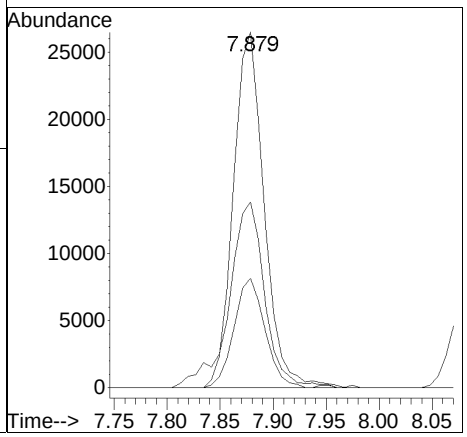


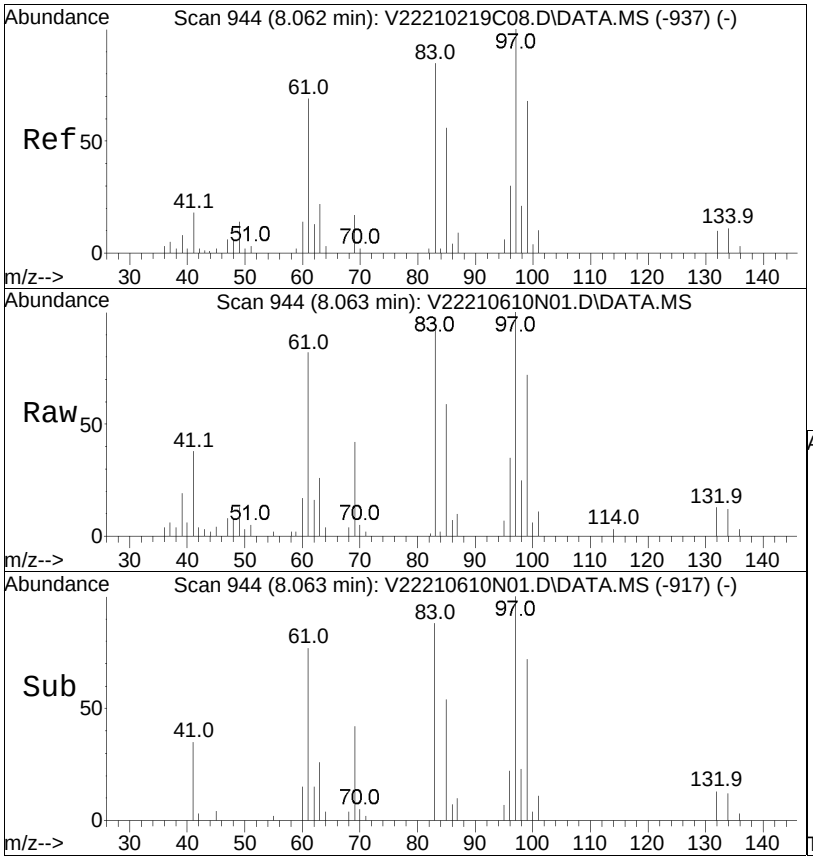


#68
trans-1,3-Dichloropropene
Concen: 8.39 ug/L
RT: 7.878 min Scan# 919
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 75 Resp: 53498

Ion	Ratio	Lower	Upper
75	100		
77	30.8	11.9	51.9
39	60.1	27.4	67.4

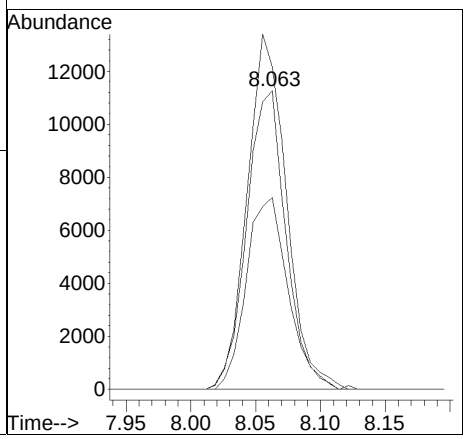


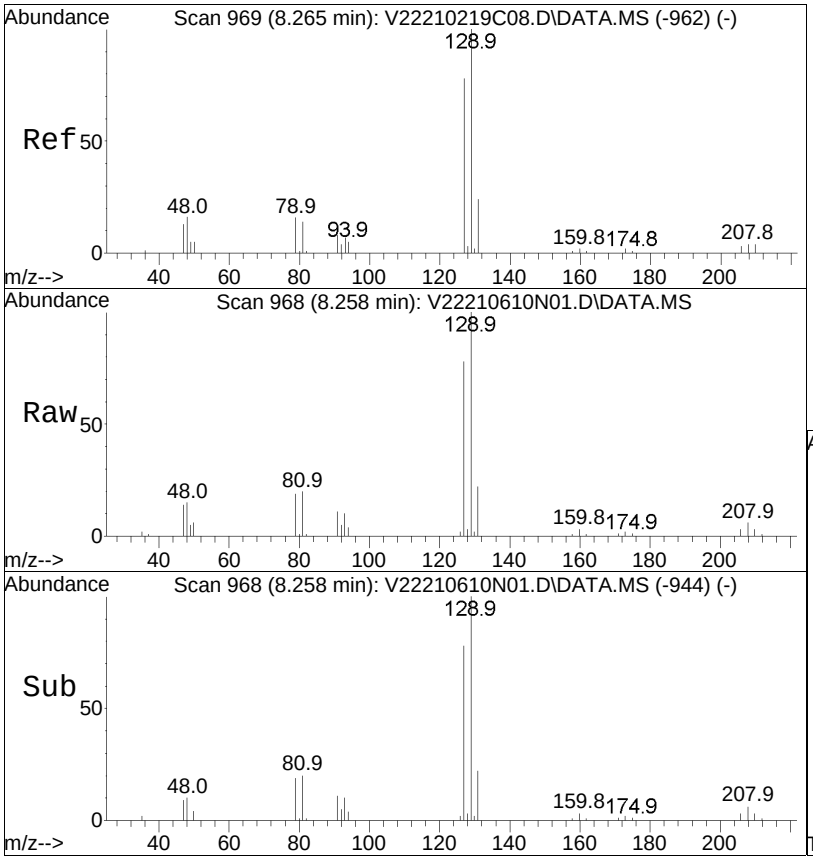


#71
1,1,2-Trichloroethane
Concen: 8.58 ug/L
RT: 8.063 min Scan# 944
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 83 Resp: 23867

Ion	Ratio	Lower	Upper
83	100		
97	118.2	103.4	143.4
85	68.3	47.9	87.9

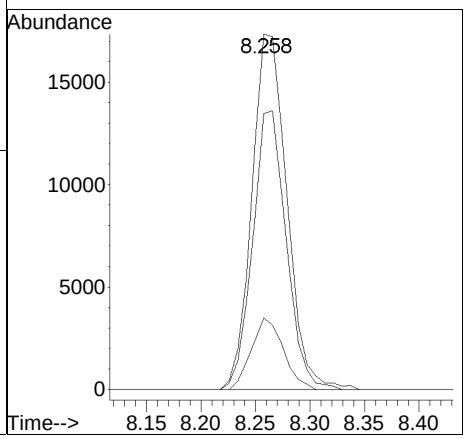


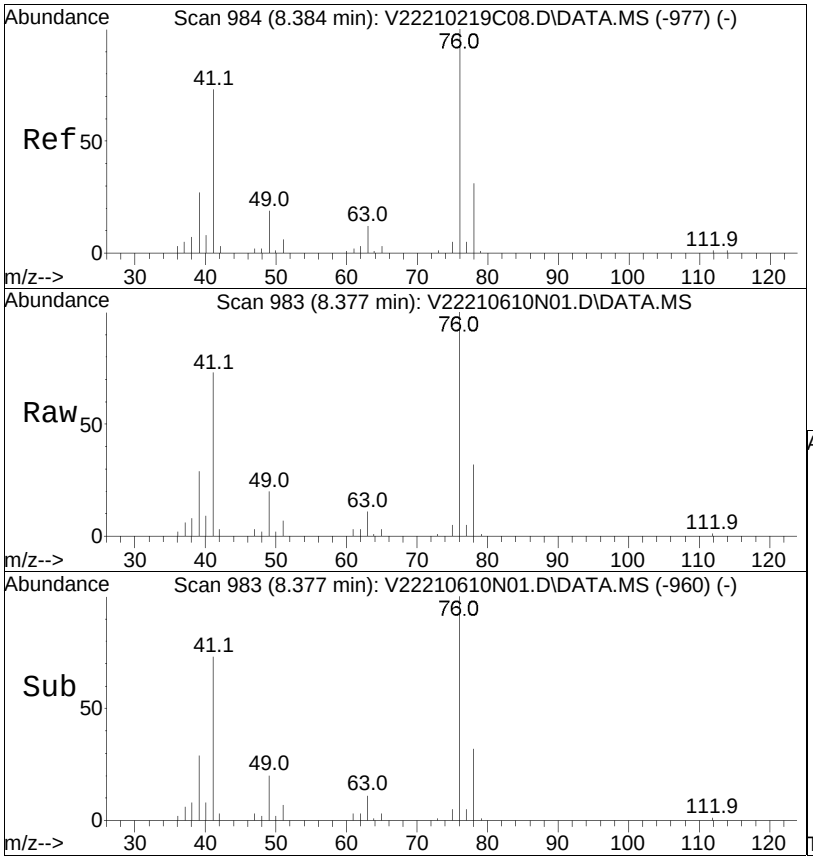


#72
Chlorodibromomethane
Concen: 10.74 ug/L
RT: 8.258 min Scan# 968
Delta R.T. -0.008 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:129 Resp: 42667

Ion	Ratio	Lower	Upper
129	100		
81	16.7	0.0	33.8
127	75.9	57.1	97.1

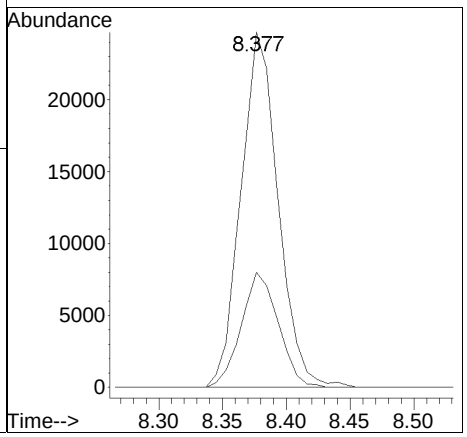


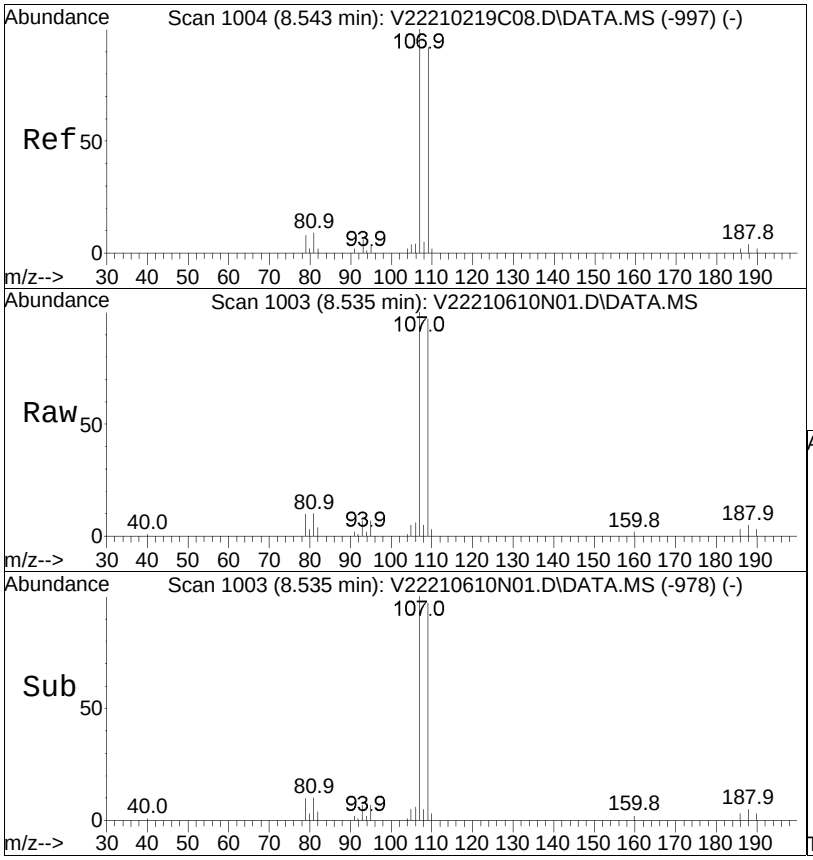


#73
1,3-Dichloropropane
Concen: 8.52 ug/L
RT: 8.377 min Scan# 983
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 76 Resp: 50119

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.7	38.5

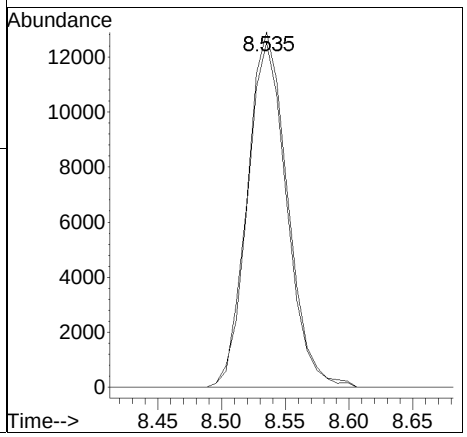


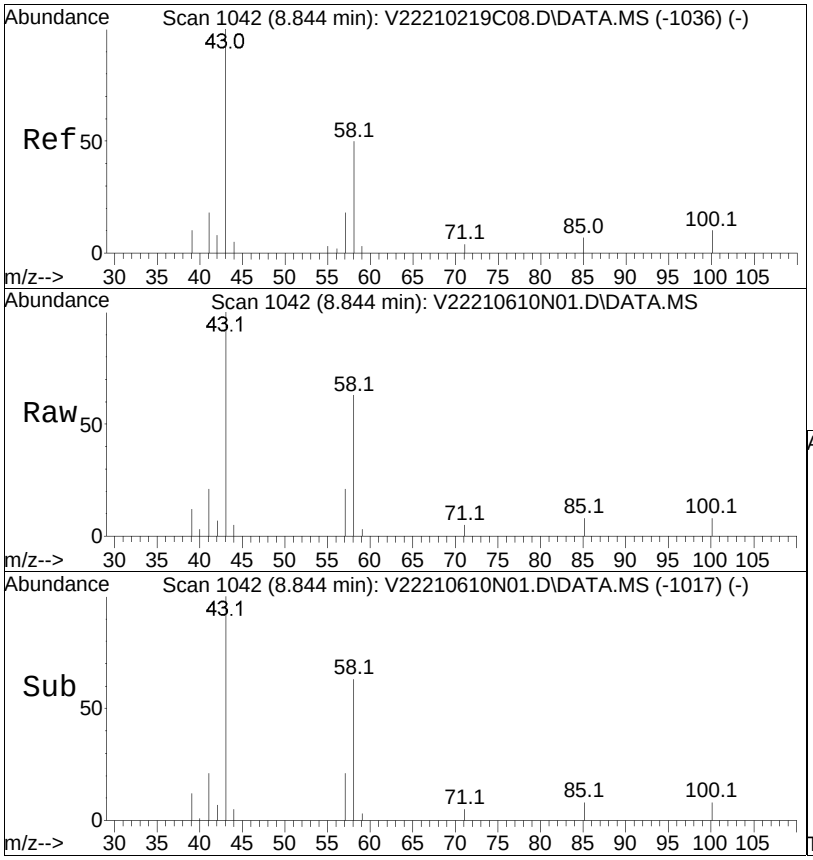


#74
1,2-Dibromoethane
Concen: 9.24 ug/L
RT: 8.535 min Scan# 1003
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:107 Resp: 28300

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.1	112.7

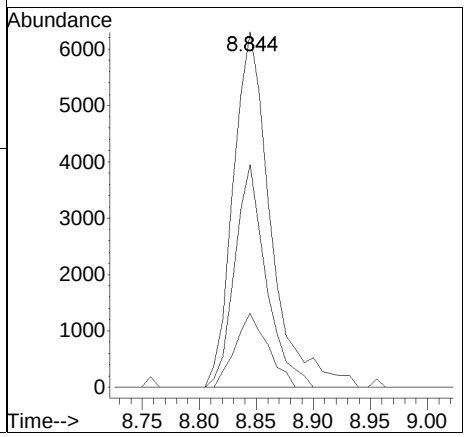


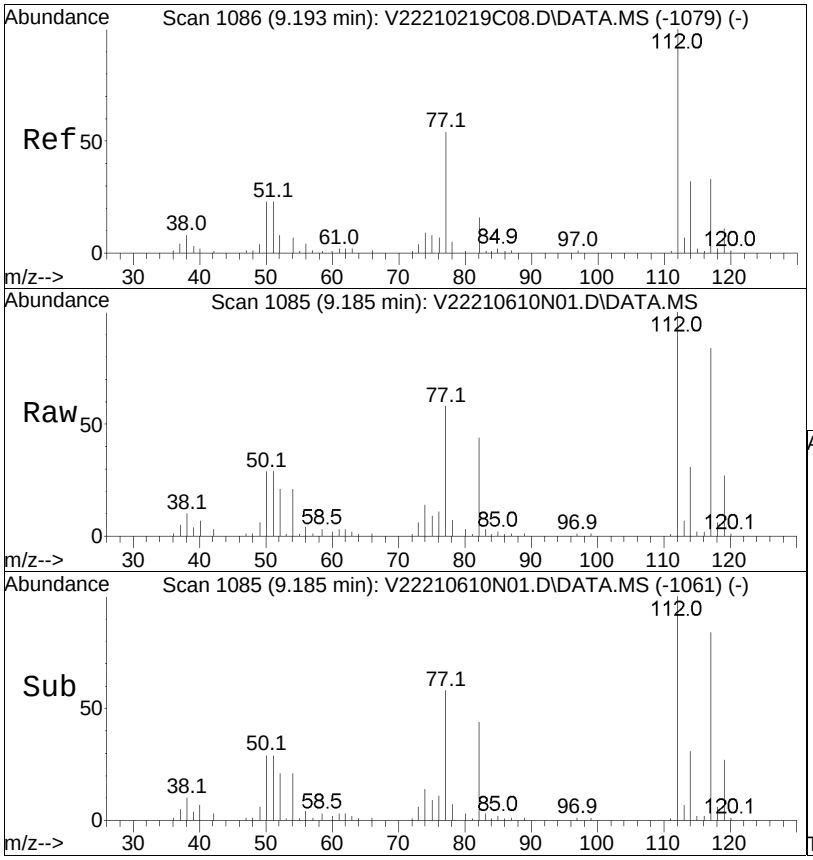


#76
2-Hexanone
Concen: 7.76 ug/L
RT: 8.844 min Scan# 1042
Delta R.T. -0.001 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 43 Resp: 14450

Ion	Ratio	Lower	Upper
43	100		
58	52.6	47.6	71.4
57	18.3	16.6	24.8

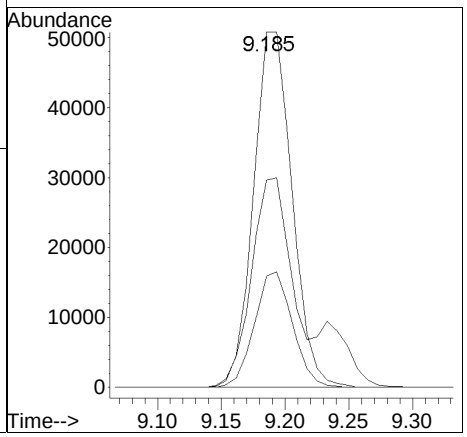


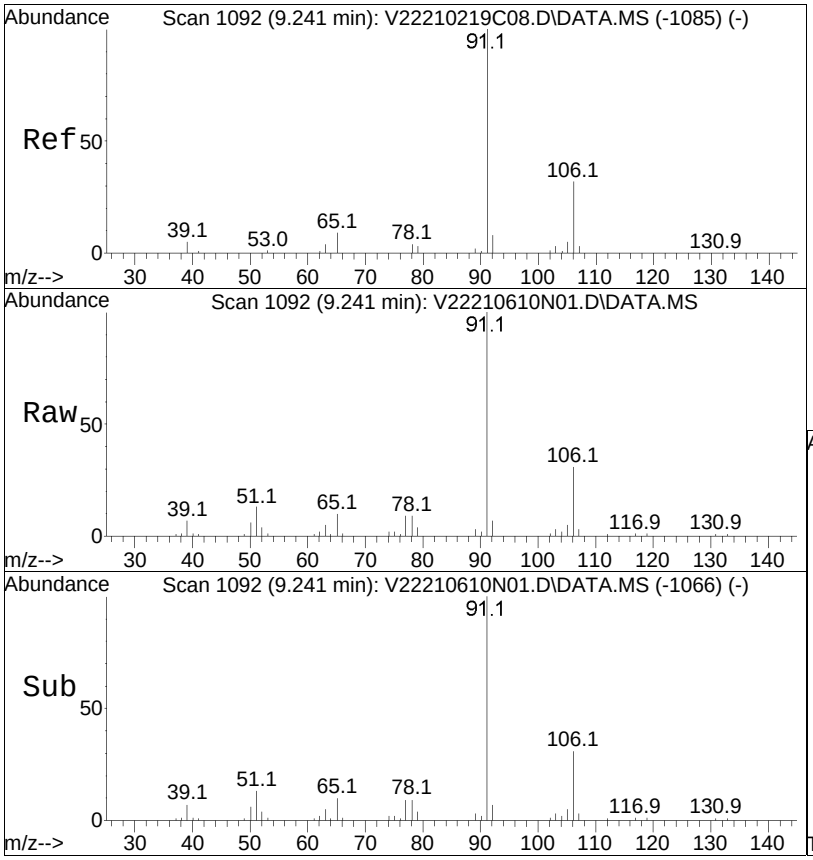


#77
Chlorobenzene
Concen: 9.01 ug/L
RT: 9.185 min Scan# 1085
Delta R.T. -0.008 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:112 Resp: 107185

Ion	Ratio	Lower	Upper
112	100		
77	63.9	55.4	83.0
114	32.1	26.2	39.4

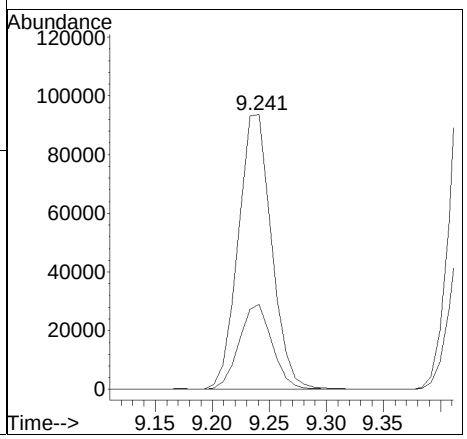


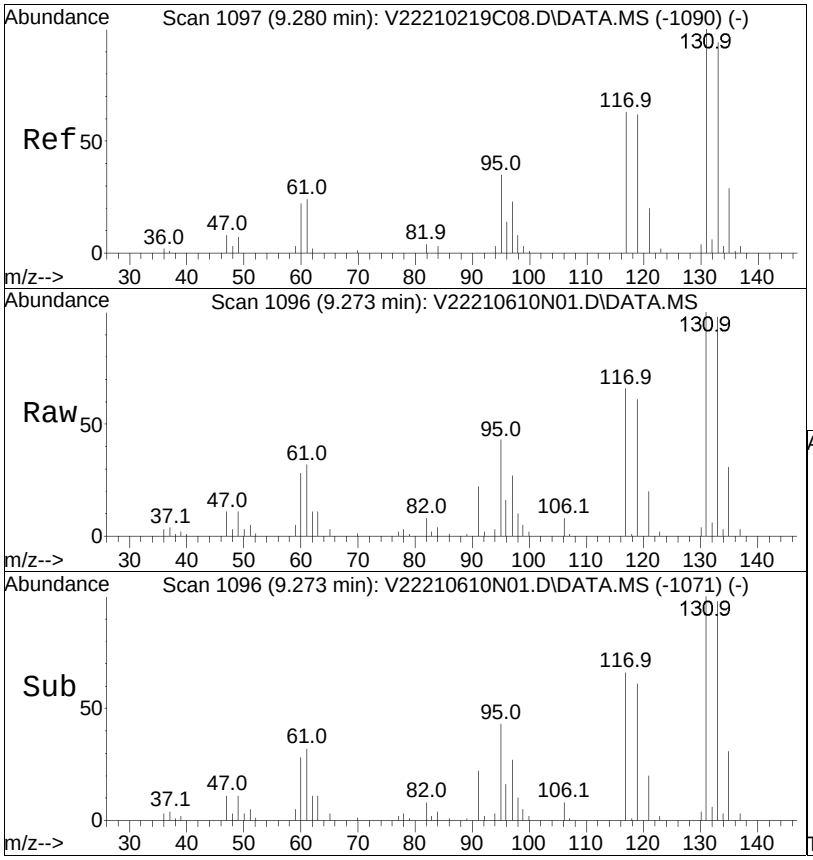


#78
Ethylbenzene
Concen: 9.17 ug/L
RT: 9.241 min Scan# 1092
Delta R.T. 0.008 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 91 Resp: 191082

Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.8	38.6

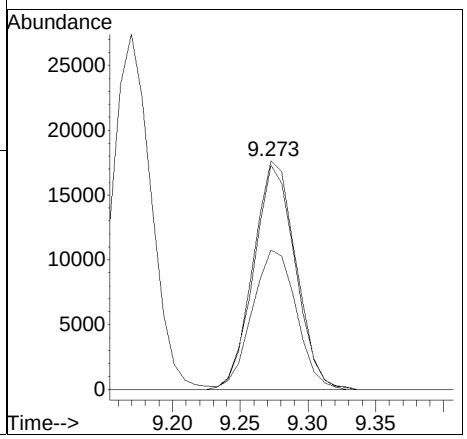


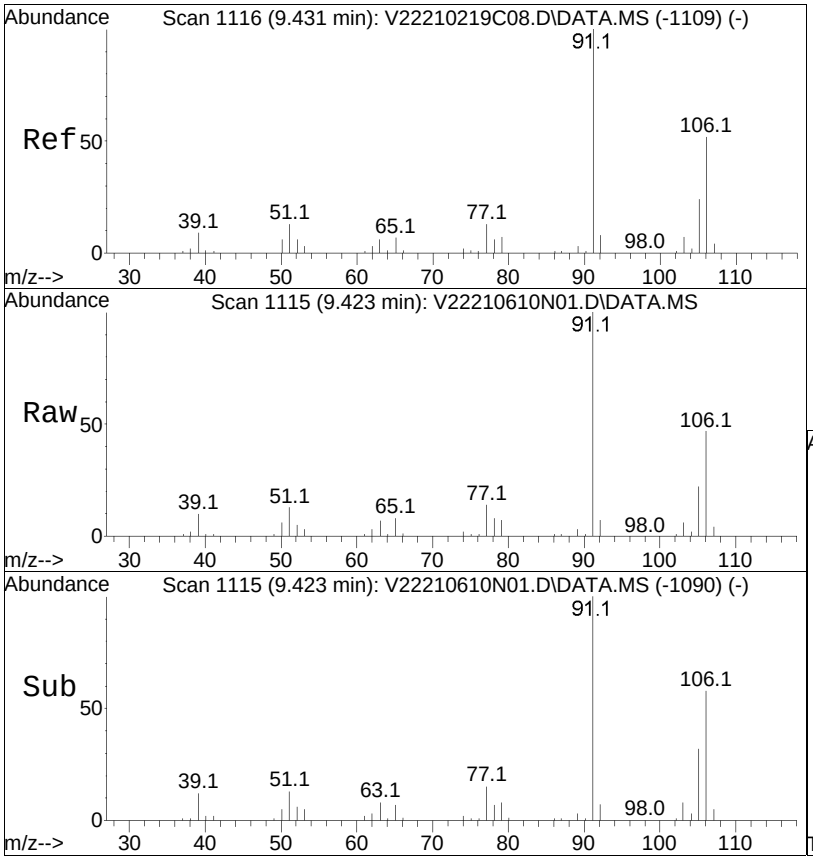


#79
1,1,1,2-Tetrachloroethane
Concen: 9.90 ug/L
RT: 9.273 min Scan# 1096
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:131 Resp: 38696

Ion	Ratio	Lower	Upper
131	100		
133	95.7	75.3	115.3
119	62.7	49.3	89.3

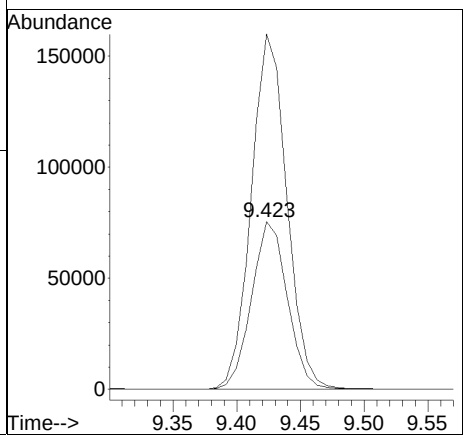


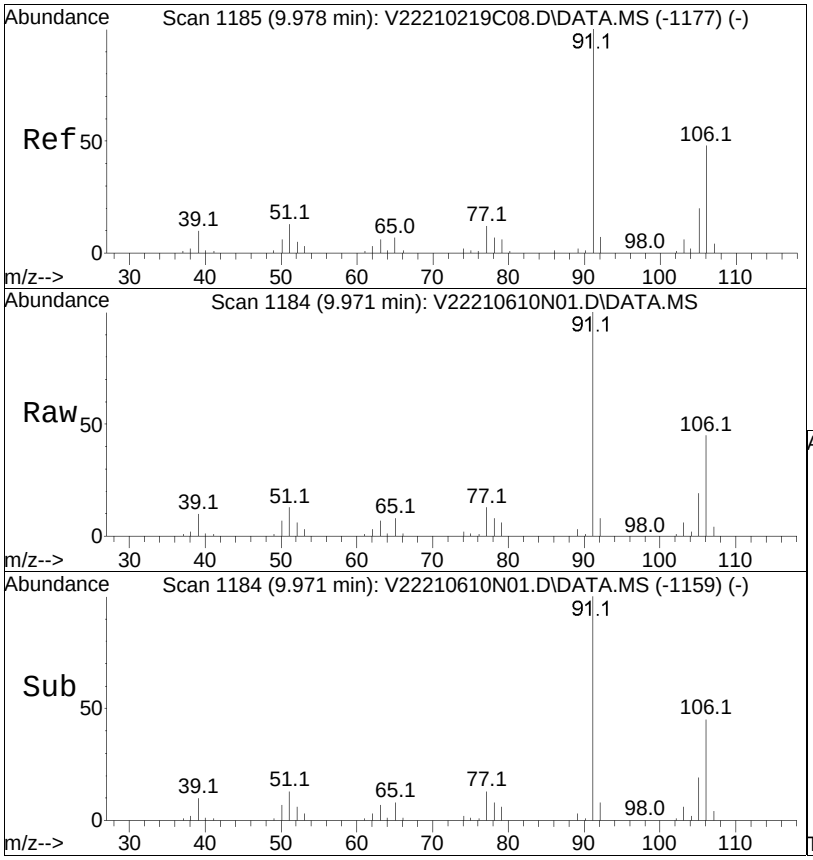


#80
p/m Xylene
Concen: 18.15 ug/L
RT: 9.423 min Scan# 1115
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:106 Resp: 147884

Ion	Ratio	Lower	Upper
106	100		
91	210.4	156.0	234.0

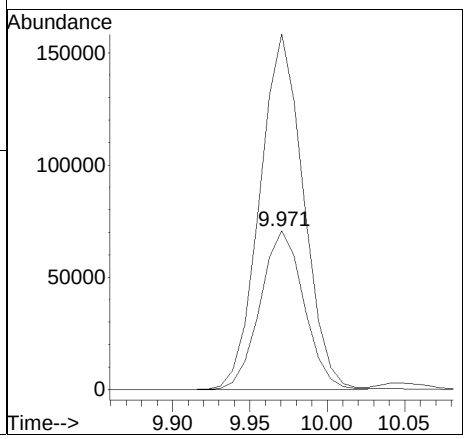


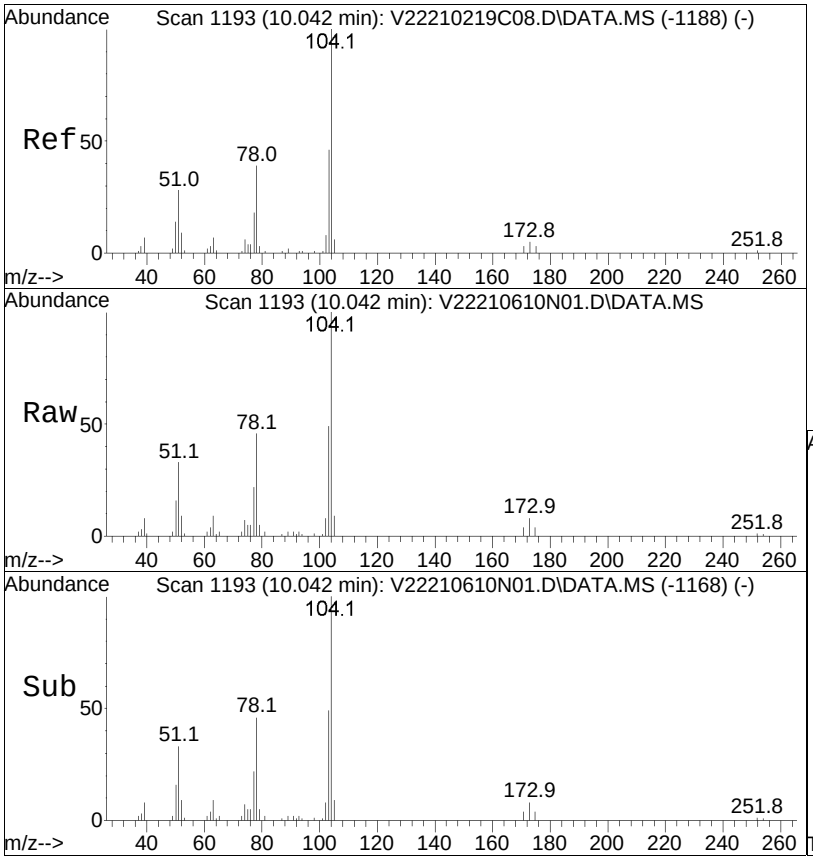


#81
o Xylene
Concen: 18.03 ug/L
RT: 9.971 min Scan# 1184
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:106 Resp: 138741

Ion	Ratio	Lower	Upper
106	100		
91	223.5	164.0	246.0

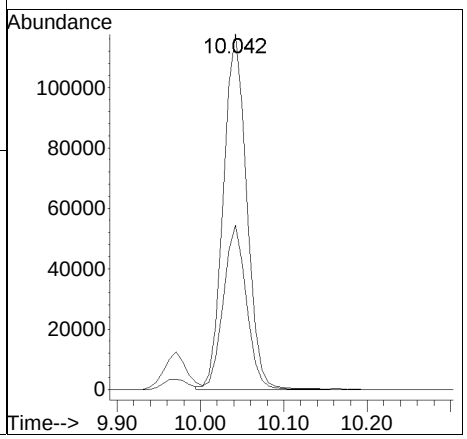


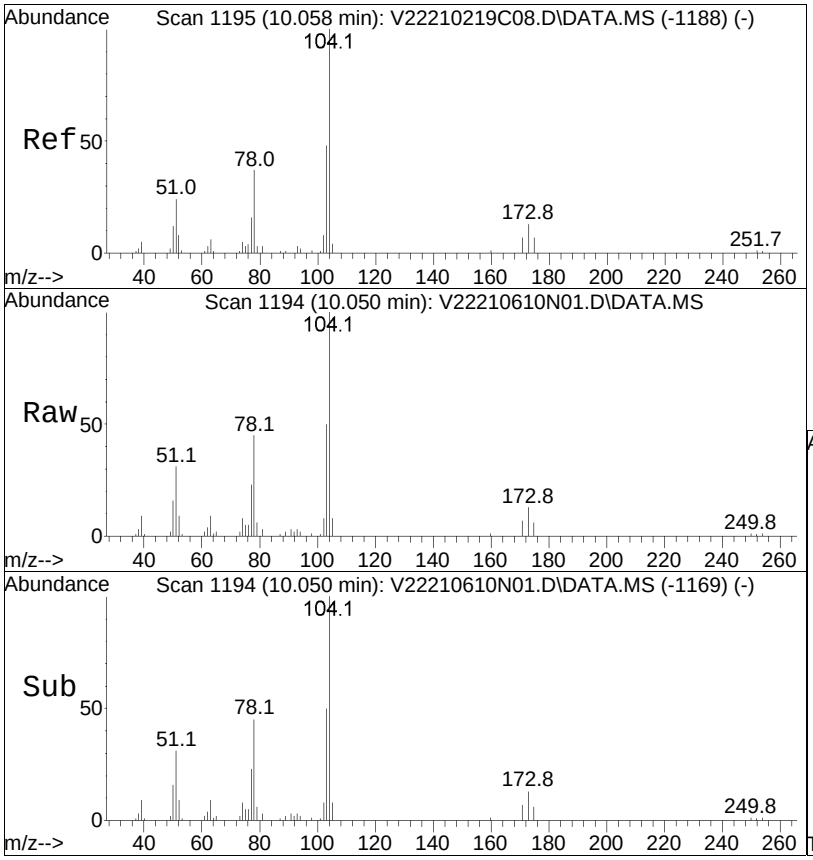


#82
Styrene
Concen: 18.46 ug/L
RT: 10.042 min Scan# 1193
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:104 Resp: 229305

Ion	Ratio	Lower	Upper
104	100		
78	45.2	32.1	48.1

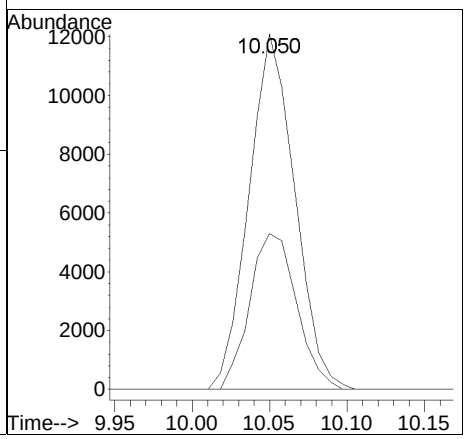


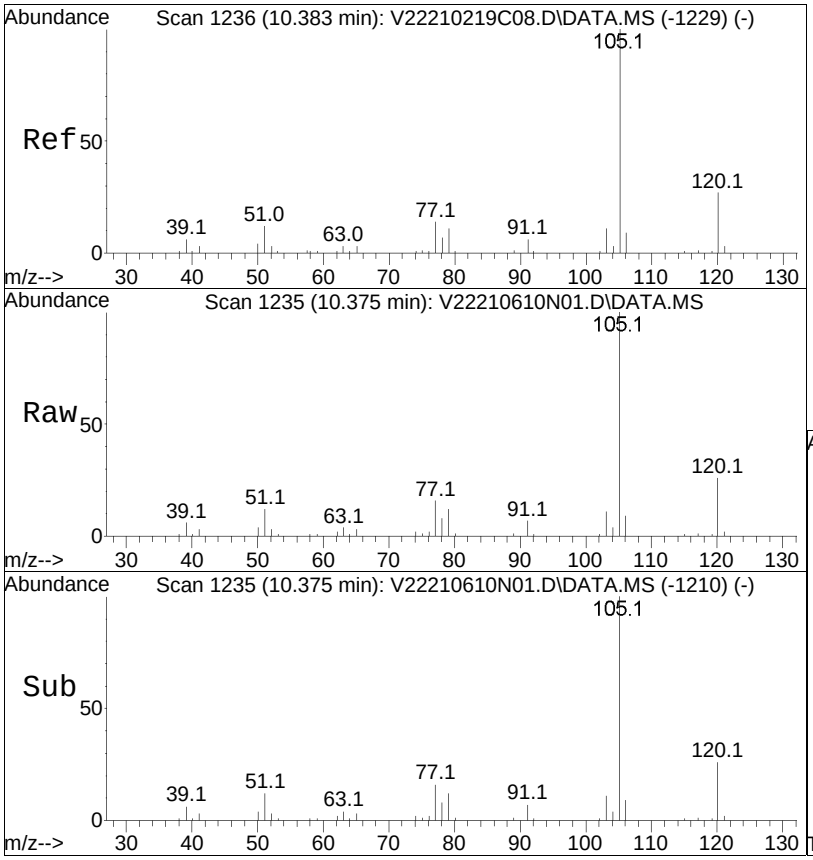


#84
Bromoform
Concen: 10.68 ug/L
RT: 10.050 min Scan# 1194
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:173 Resp: 24895

Ion	Ratio	Lower	Upper
173	100		
175	44.9	29.3	69.3

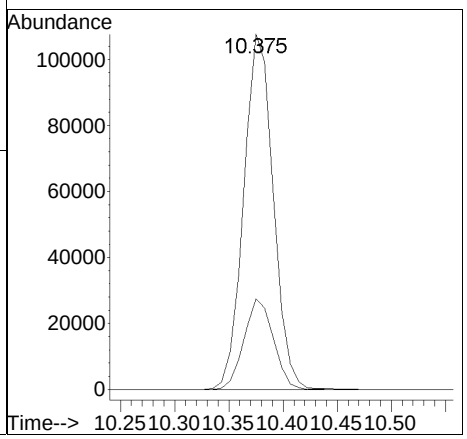


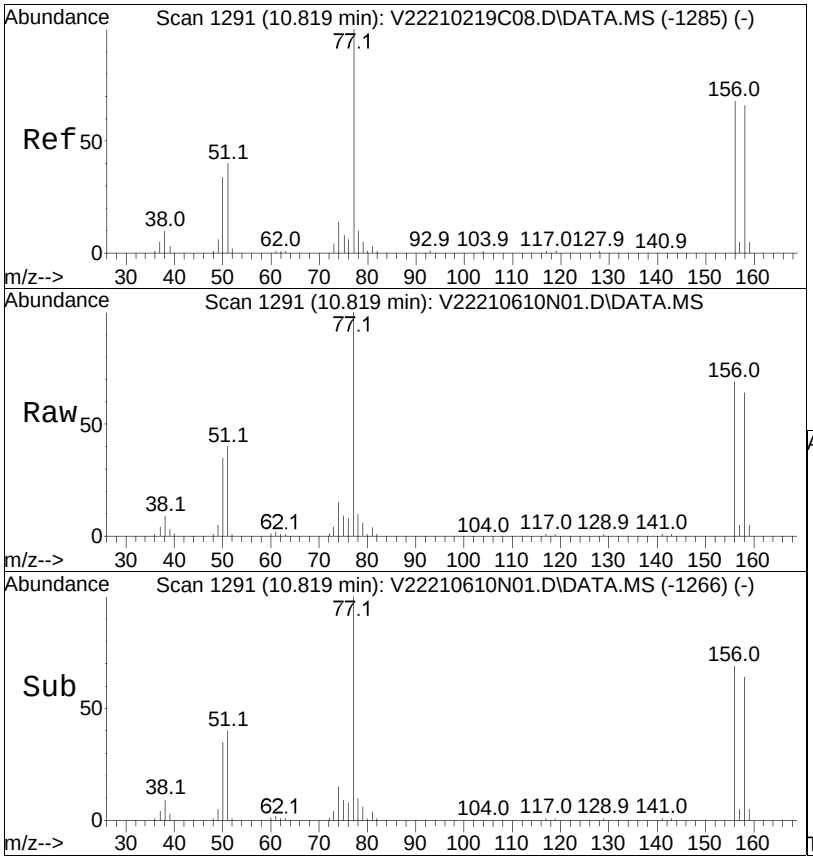


#86
Isopropylbenzene
Concen: 8.76 ug/L
RT: 10.375 min Scan# 1235
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:105 Resp: 204123

Ion	Ratio	Lower	Upper
105	100		
120	25.3	7.7	47.7

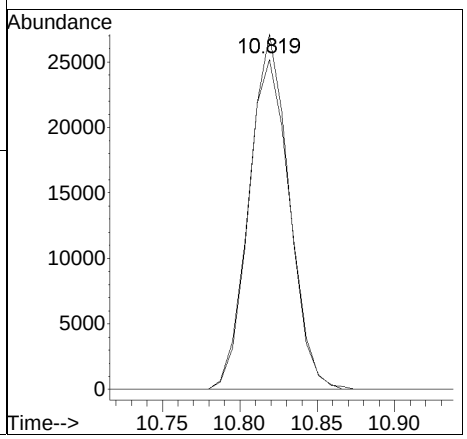


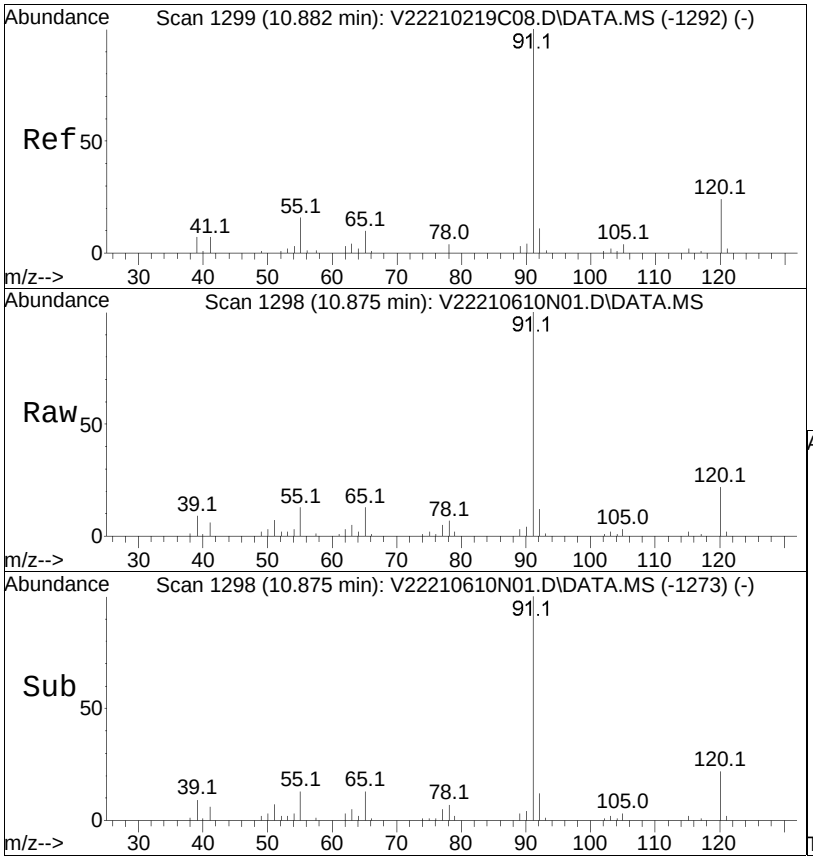


#88
Bromobenzene
Concen: 9.69 ug/L
RT: 10.819 min Scan# 1291
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:156 Resp: 48494

Ion	Ratio	Lower	Upper
156	100		
158	96.5	77.9	116.9

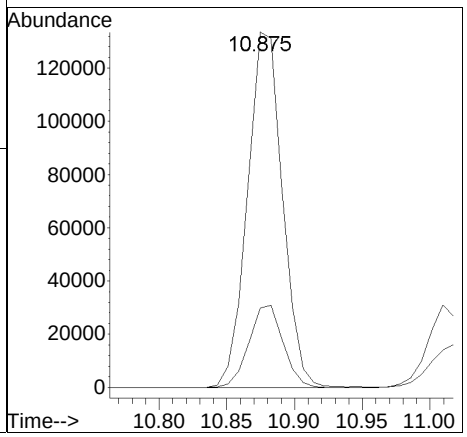


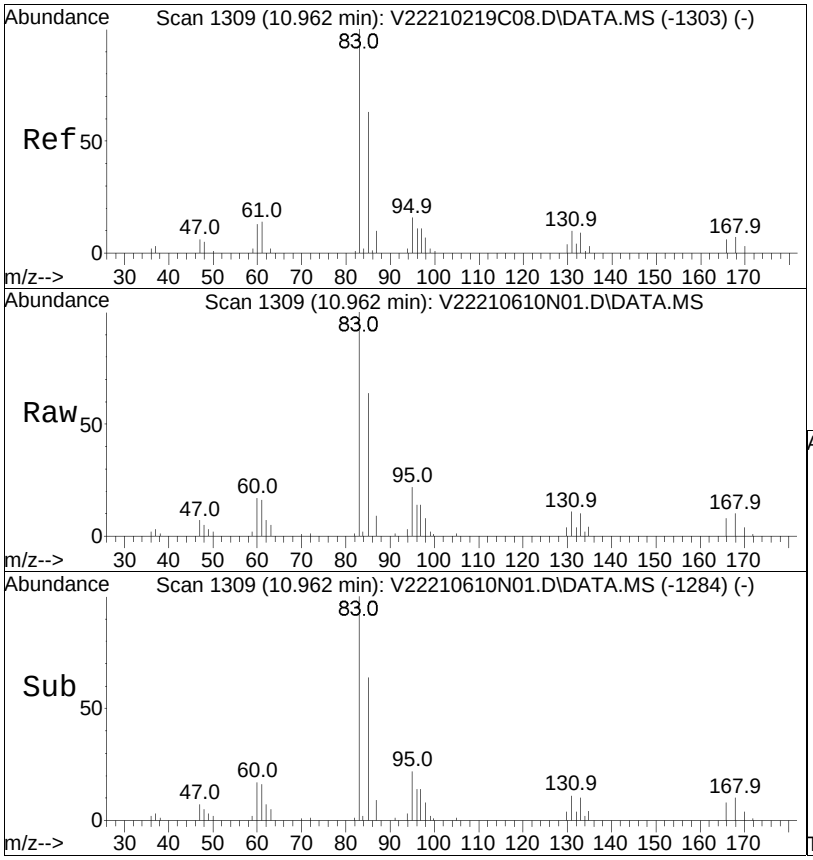


#89
n-Propylbenzene
Concen: 8.25 ug/L
RT: 10.875 min Scan# 1298
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 91 Resp: 239845

Ion	Ratio	Lower	Upper
91	100		
120	22.5	19.5	29.3

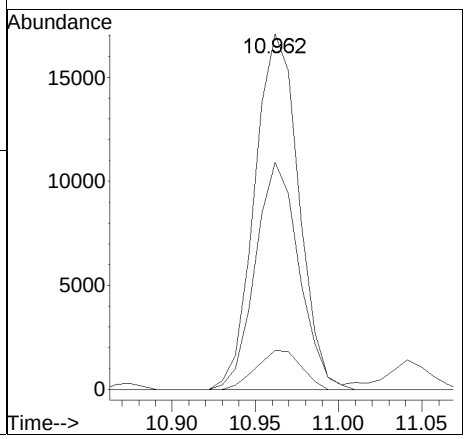


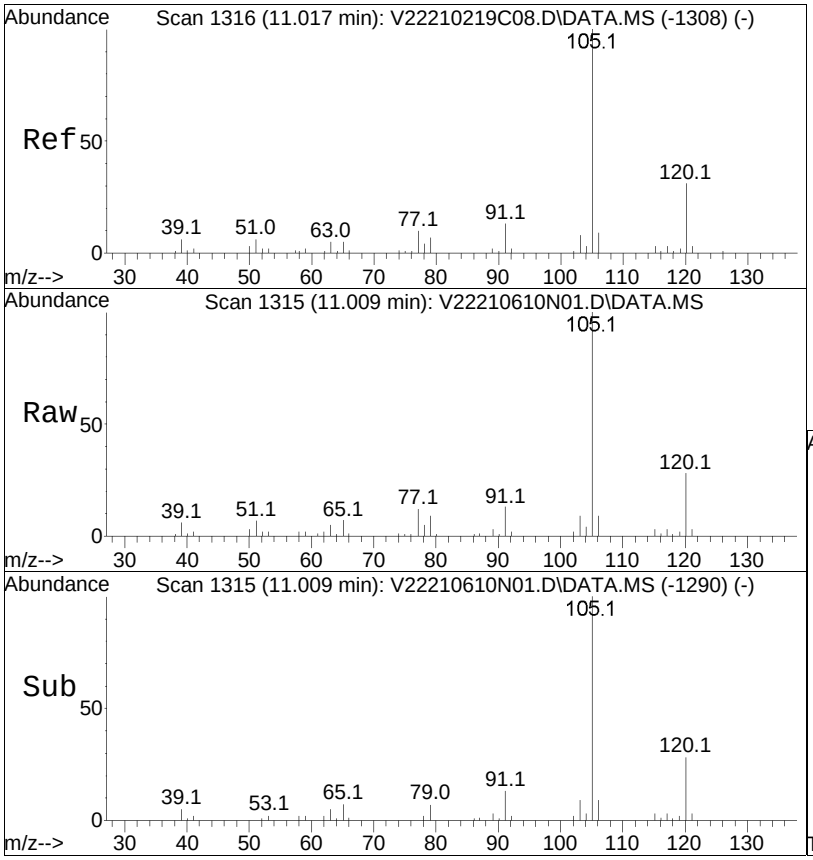


#91
1,1,2,2-Tetrachloroethane
Concen: 8.08 ug/L
RT: 10.962 min Scan# 1309
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 83 Resp: 31417

Ion	Ratio	Lower	Upper
83	100		
131	11.2	0.0	30.8
85	64.3	45.4	85.4

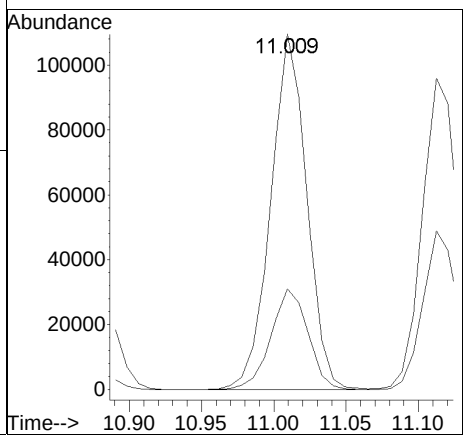


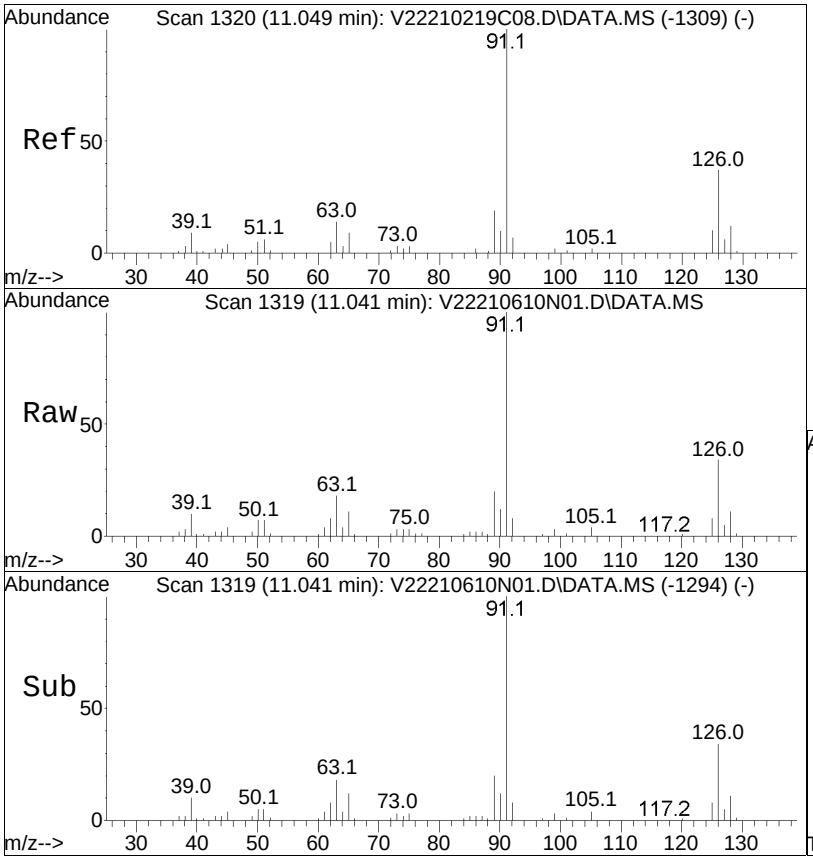


#92
4-Ethyltoluene
Concen: 8.41 ug/L
RT: 11.009 min Scan# 1315
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:105 Resp: 189654

Ion	Ratio	Lower	Upper
105	100		
120	28.9	19.8	41.0

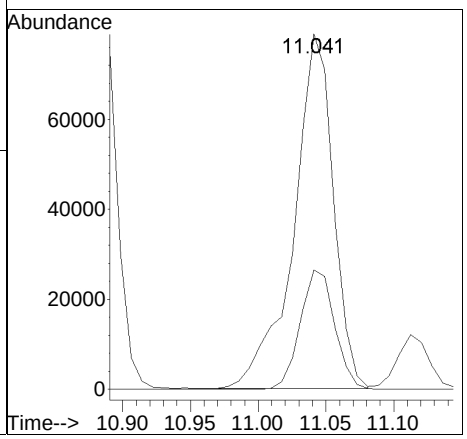


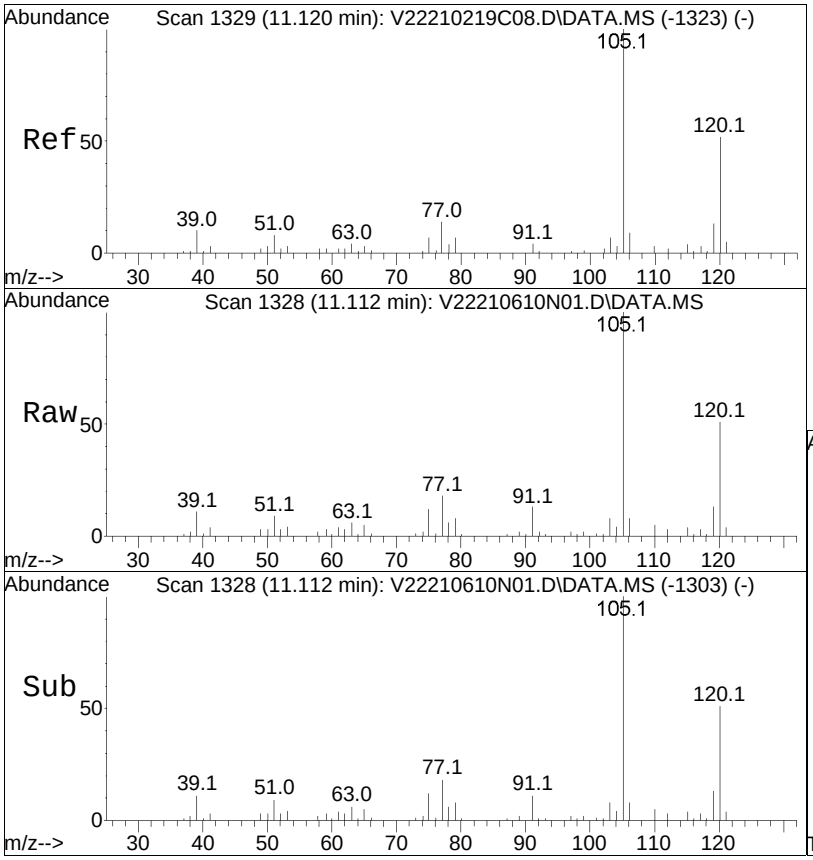


#93
2-Chlorotoluene
Concen: 8.35 ug/L
RT: 11.041 min Scan# 1319
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 91 Resp: 160575

Ion	Ratio	Lower	Upper
91	100		
126	29.2	24.6	37.0

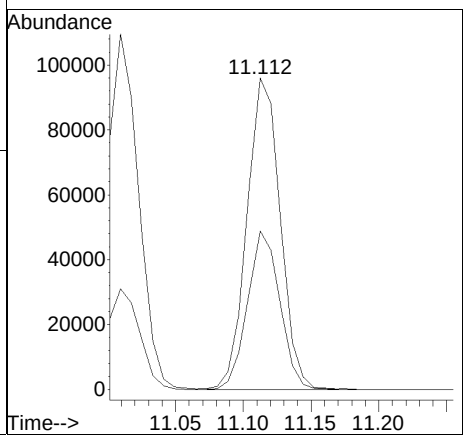


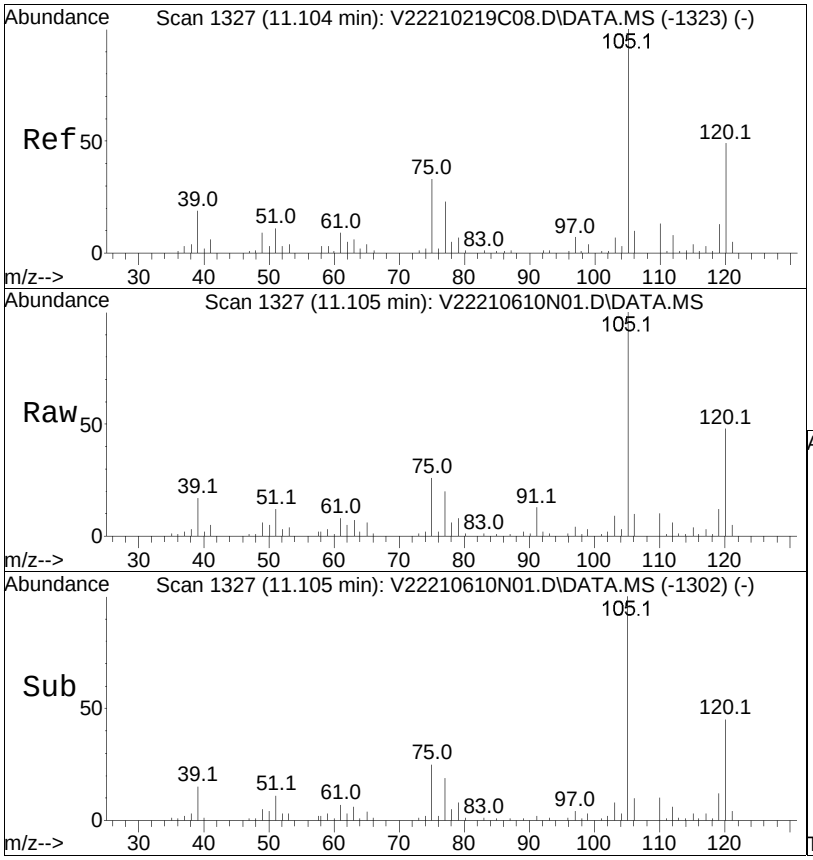


#94
1,3,5-Trimethylbenzene
Concen: 8.61 ug/L
RT: 11.112 min Scan# 1328
Delta R.T. -0.001 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:105 Resp: 164023

Ion	Ratio	Lower	Upper
105	100		
120	49.3	40.9	61.3

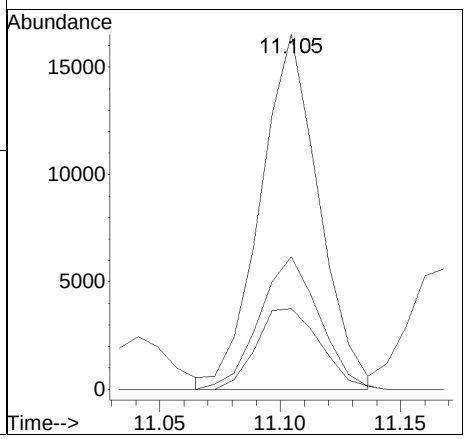


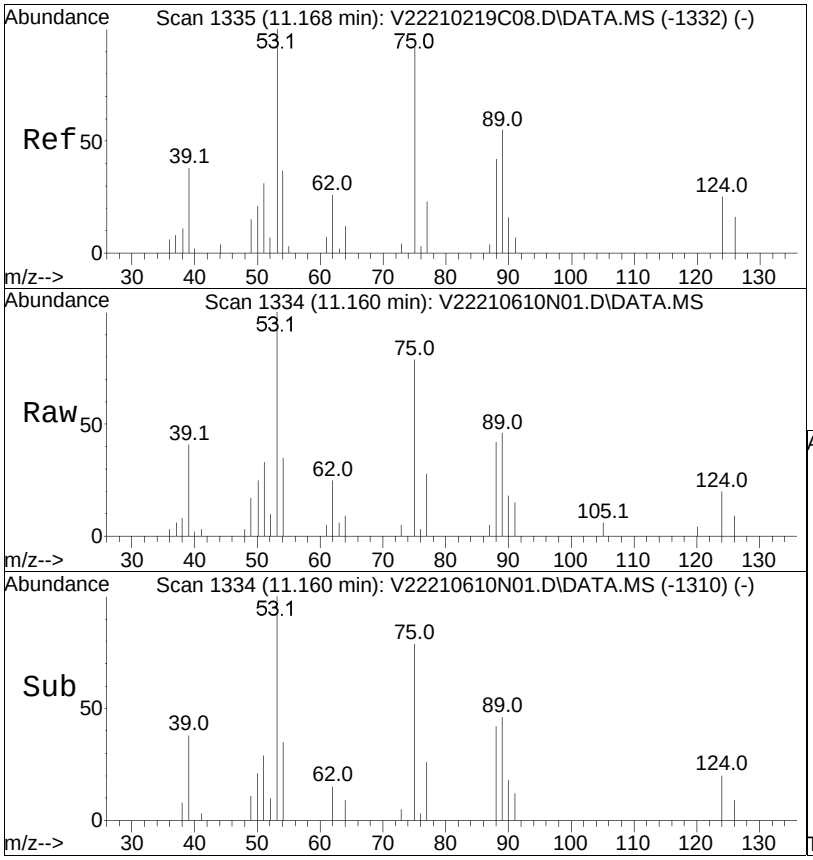


#95
1,2,3-Trichloropropane
Concen: 8.16 ug/L
RT: 11.105 min Scan# 1327
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 75 Resp: 27968

Ion	Ratio	Lower	Upper
75	100		
110	38.1	26.3	54.7
112	24.8	16.8	35.0

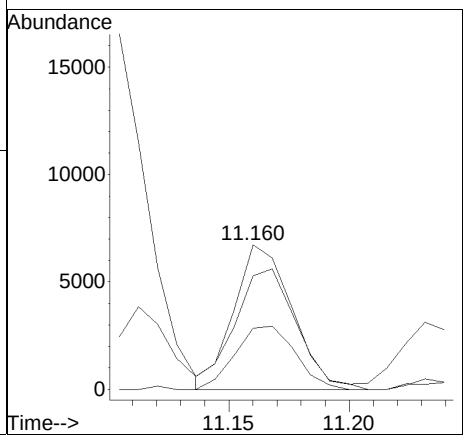


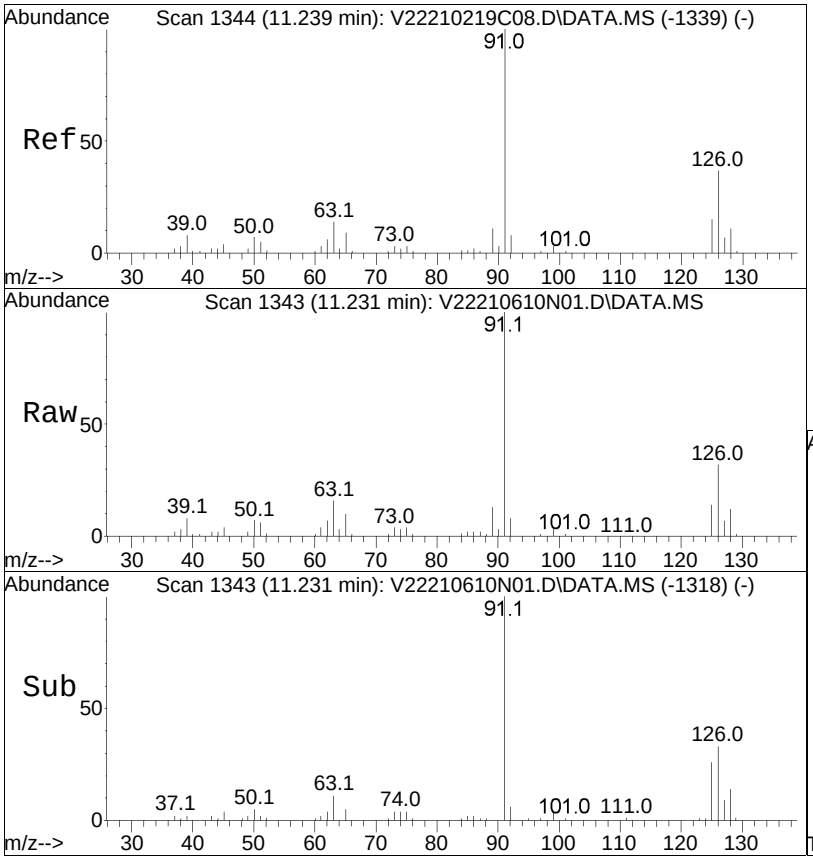


#96
trans-1,4-Dichloro-2-butene
Concen: 9.17 ug/L
RT: 11.160 min Scan# 1334
Delta R.T. -0.008 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 53 Resp: 11373

Ion	Ratio	Lower	Upper
53	100		
88	45.5	46.3	69.5#
75	87.6	109.0	163.4#

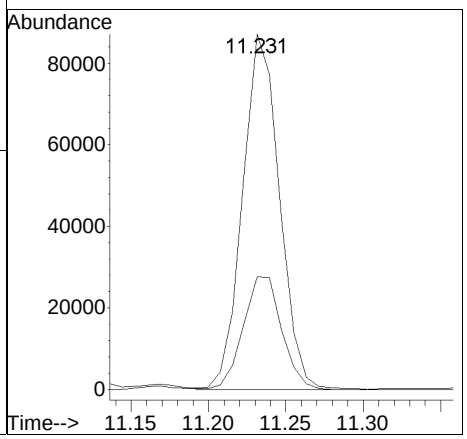


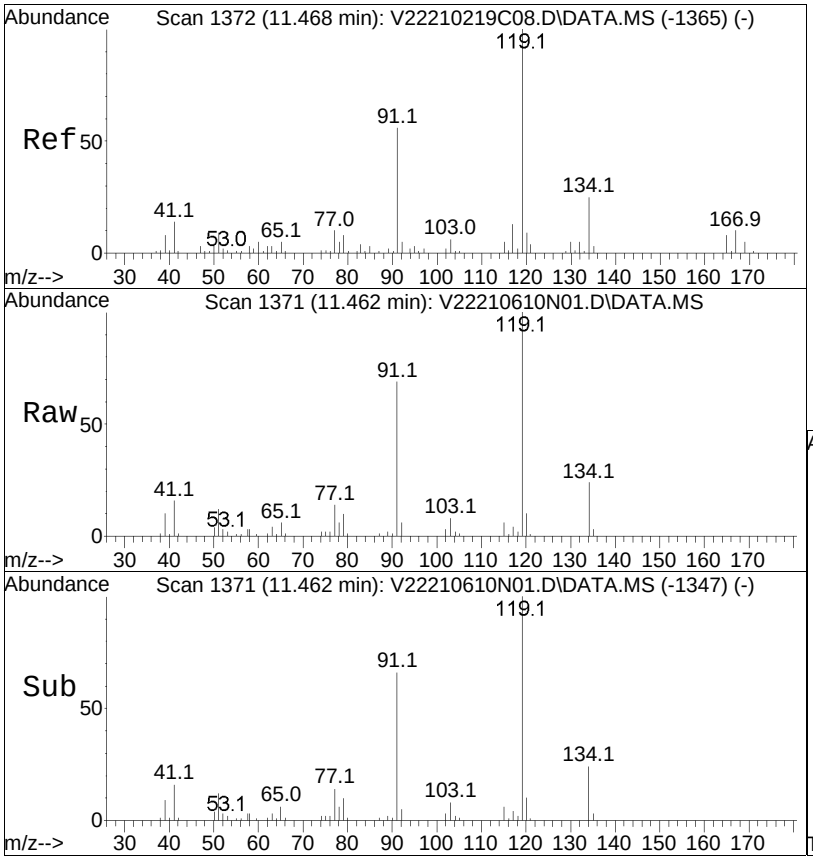


#97
4-Chlorotoluene
Concen: 8.36 ug/L
RT: 11.231 min Scan# 1343
Delta R.T. -0.001 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 91 Resp: 144277

Ion	Ratio	Lower	Upper
91	100		
126	33.2	28.5	42.7

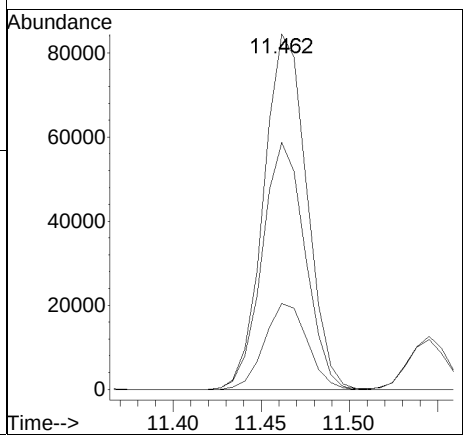


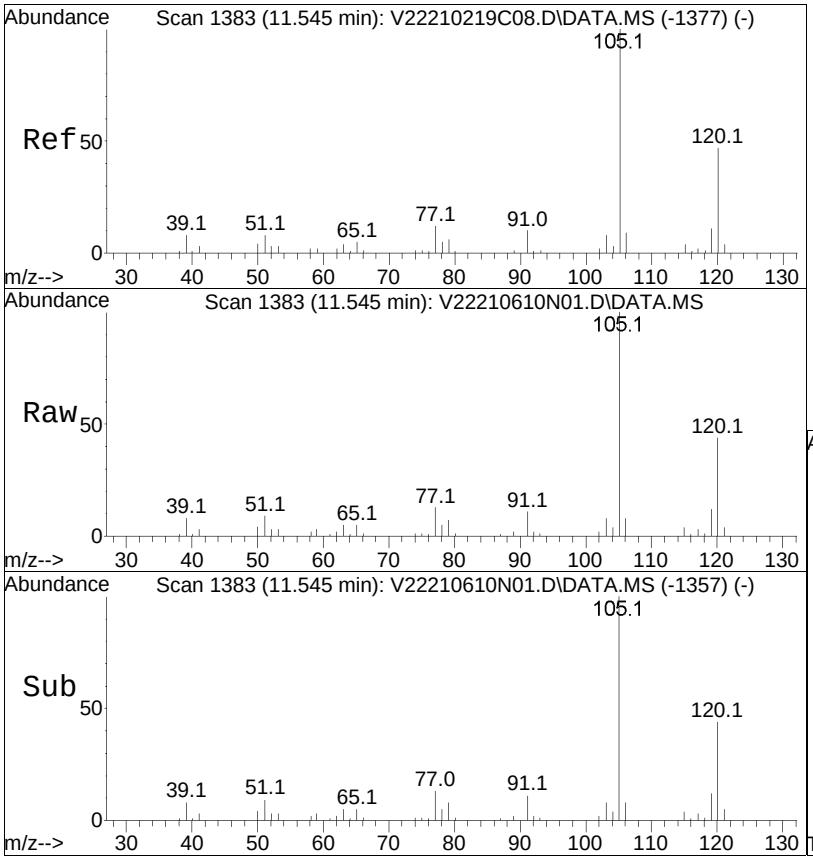


#98
tert-Butylbenzene
Concen: 8.03 ug/L
RT: 11.462 min Scan# 1371
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:119 Resp: 143735

Ion	Ratio	Lower	Upper
119	100		
91	69.4	50.2	75.4
134	24.0	20.8	31.2

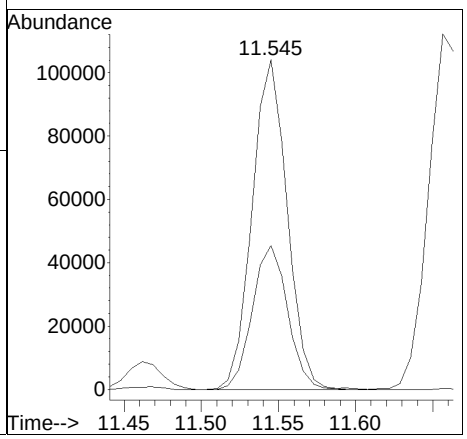


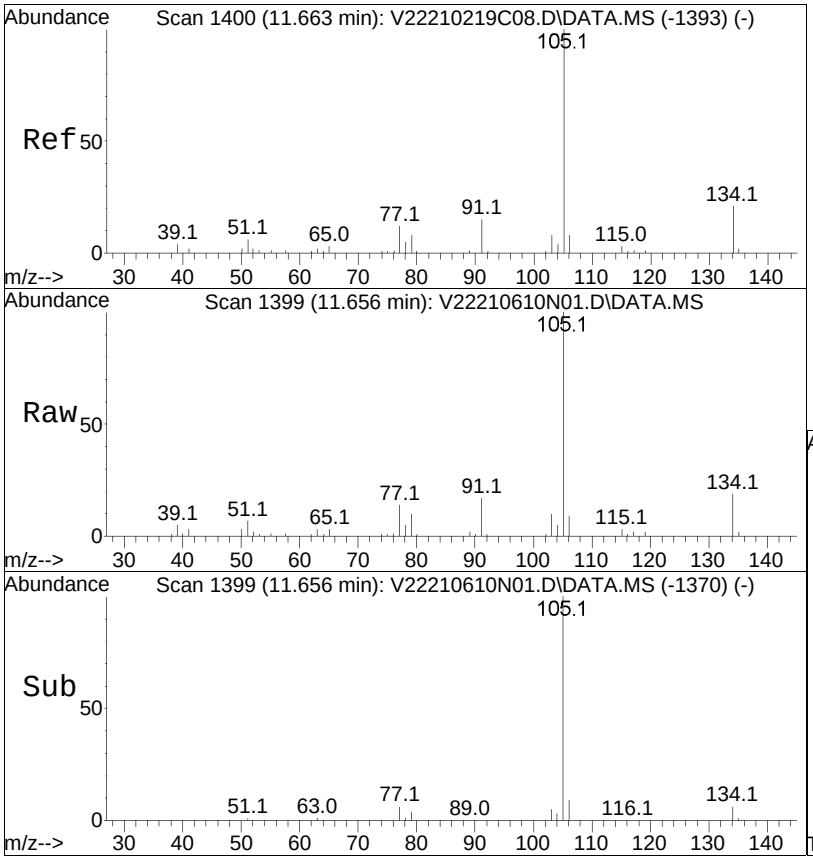


#101
1,2,4-Trimethylbenzene
Concen: 8.83 ug/L
RT: 11.545 min Scan# 1383
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:105 Resp: 164002

Ion	Ratio	Lower	Upper
105	100		
120	44.0	38.5	57.7

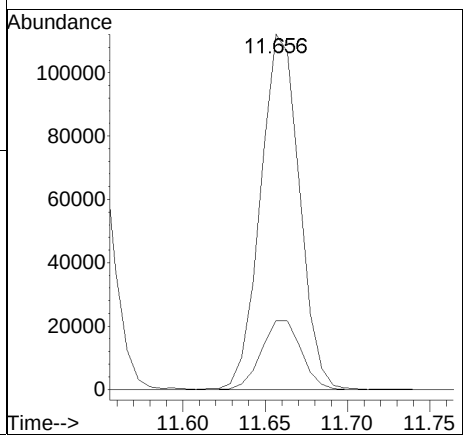


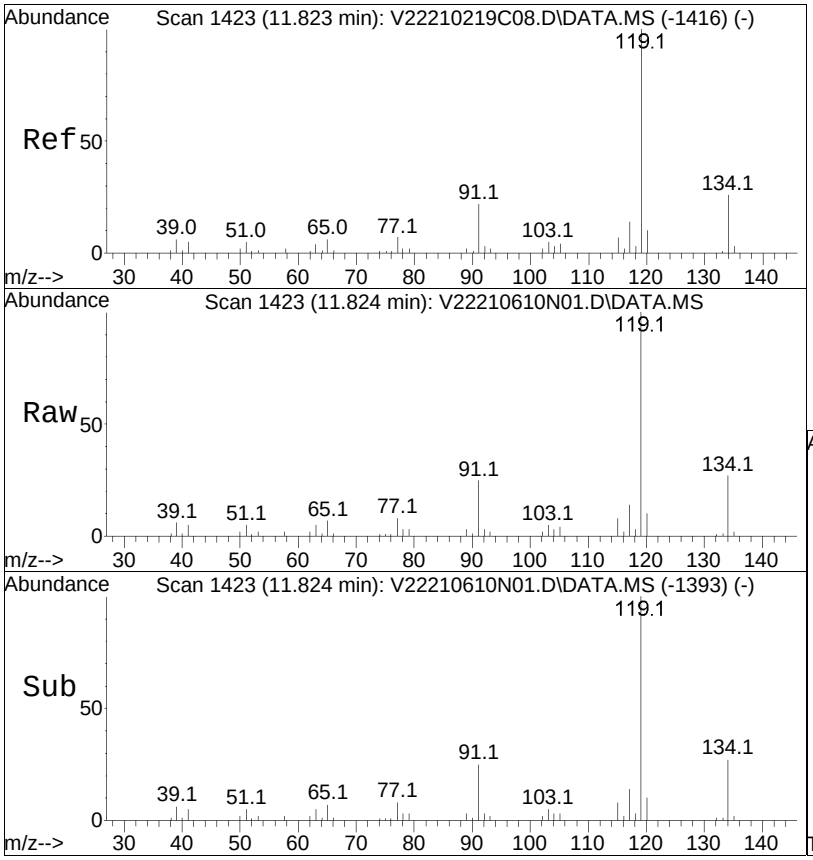


#102
sec-Butylbenzene
Concen: 8.28 ug/L
RT: 11.656 min Scan# 1399
Delta R.T. -0.001 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:105 Resp: 184170

Ion	Ratio	Lower	Upper
105	100		
134	19.8	13.9	28.9

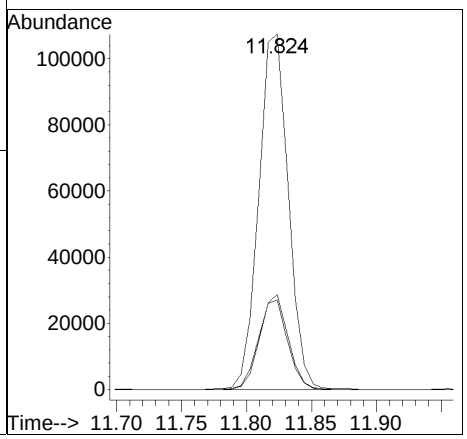


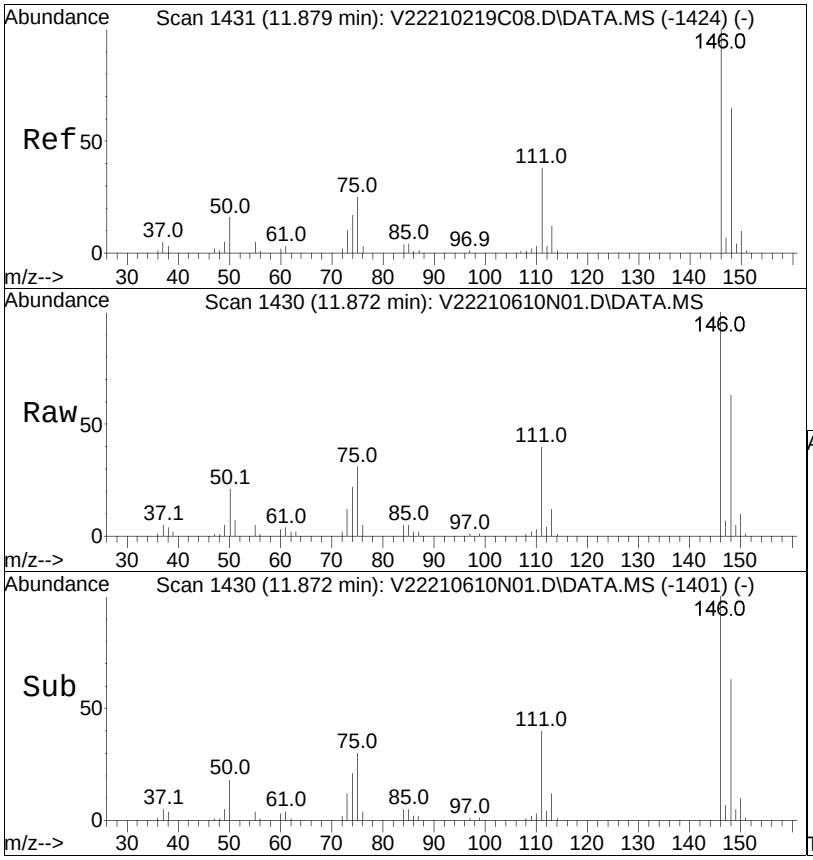


#103
p-Isopropyltoluene
Concen: 8.43 ug/L
RT: 11.824 min Scan# 1423
Delta R.T. 0.007 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:119 Resp: 170212

Ion	Ratio	Lower	Upper
119	100		
134	25.5	17.7	36.7
91	24.9	14.1	29.3

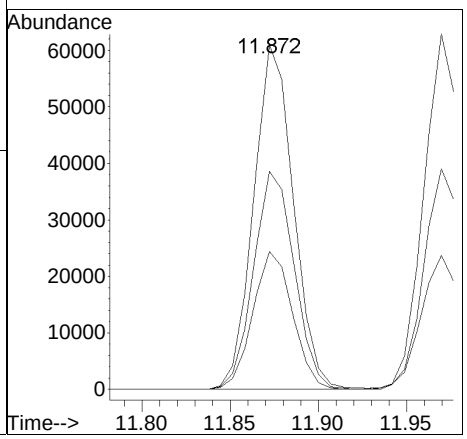


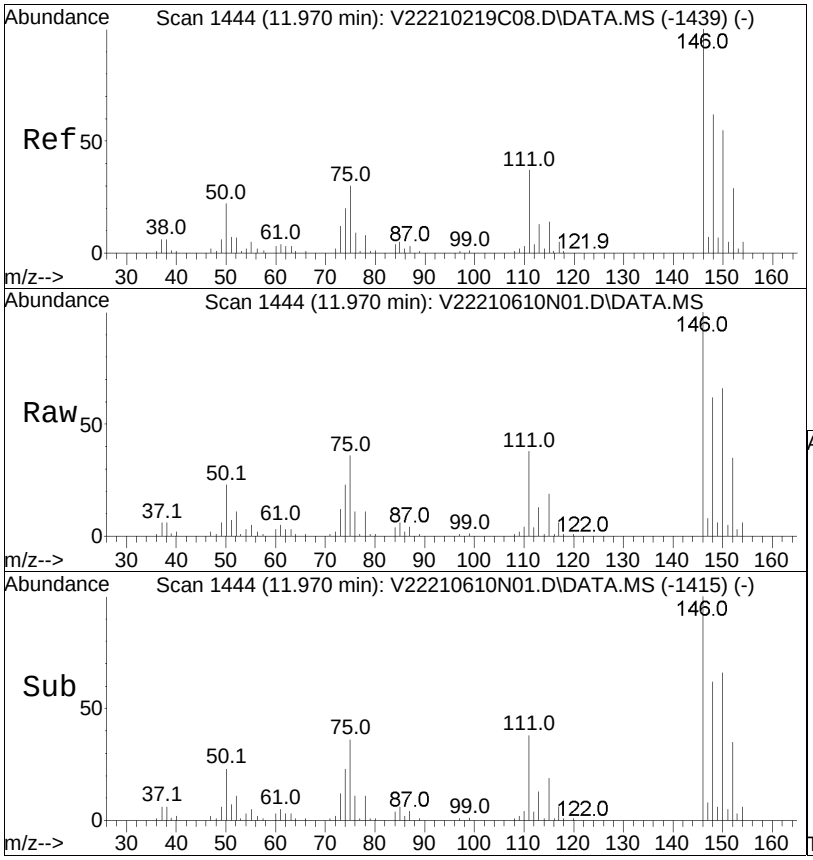


#104
1,3-Dichlorobenzene
Concen: 9.10 ug/L
RT: 11.872 min Scan# 1430
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:146 Resp: 95763

Ion	Ratio	Lower	Upper
146	100		
111	40.0	24.0	49.8
148	64.7	41.8	86.8

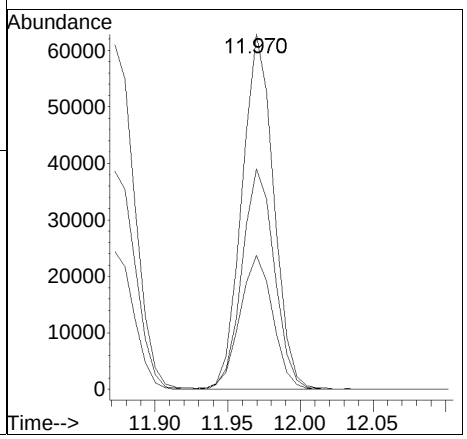


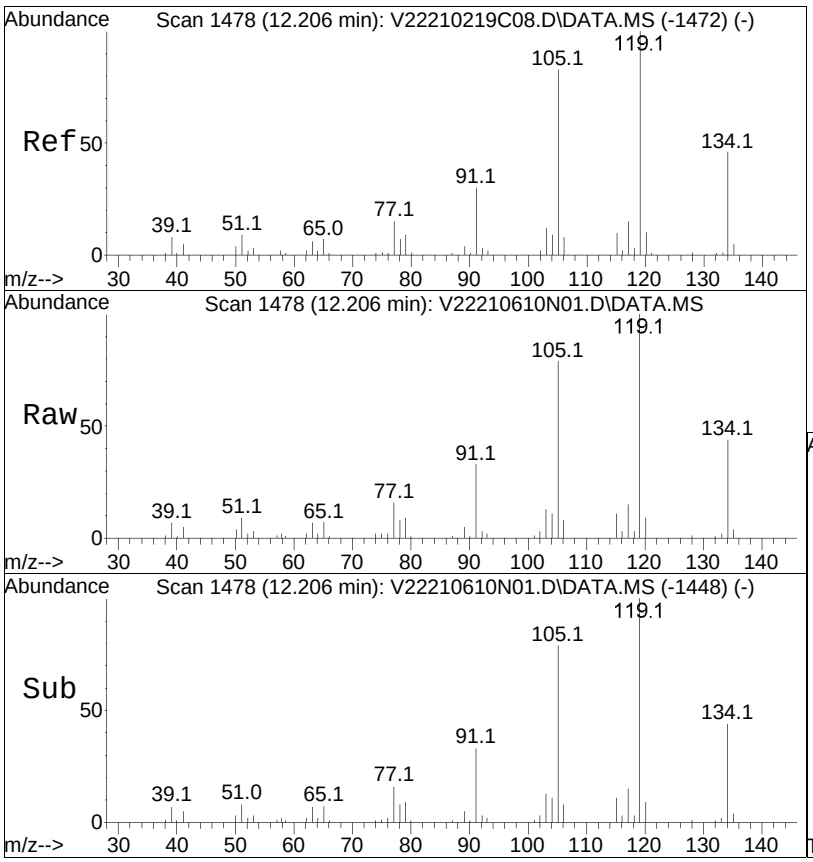


#105
1,4-Dichlorobenzene
Concen: 9.10 ug/L
RT: 11.970 min Scan# 1444
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:146 Resp: 96046

Ion	Ratio	Lower	Upper
146	100		
111	39.1	28.9	43.3
148	63.2	51.4	77.2

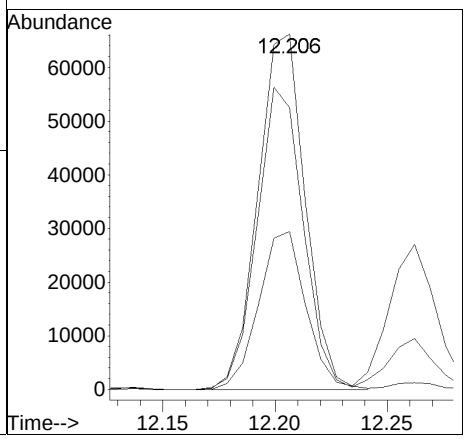


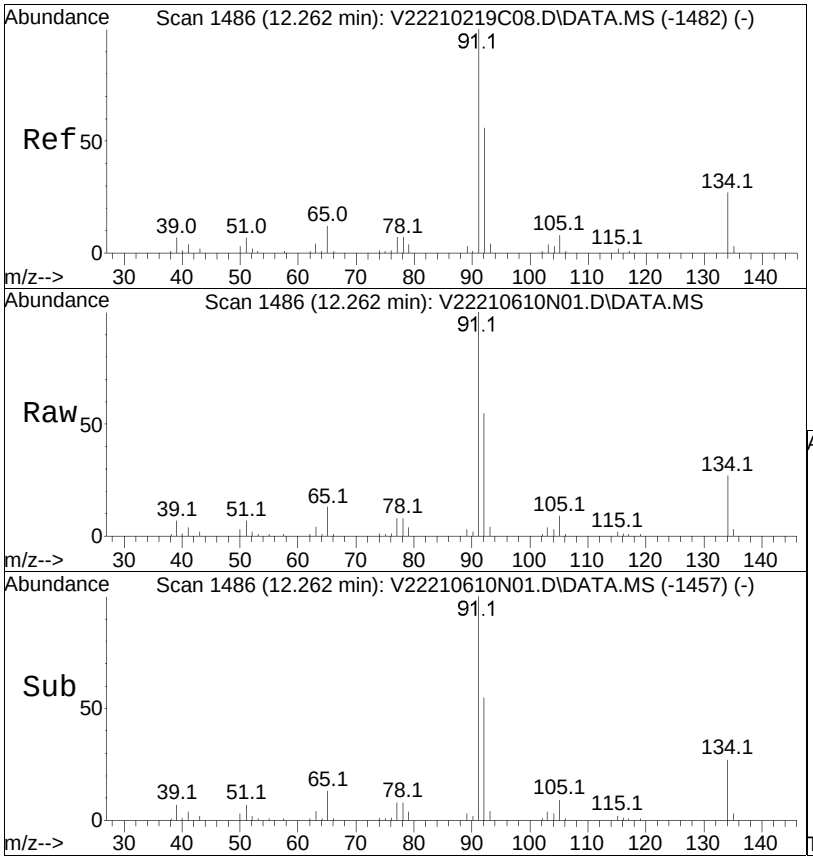


#106
p-Diethylbenzene
Concen: 8.31 ug/L
RT: 12.206 min Scan# 1478
Delta R.T. 0.006 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:119 Resp: 96937

Ion	Ratio	Lower	Upper
119	100		
105	83.0	53.4	110.8
134	44.3	30.9	64.1

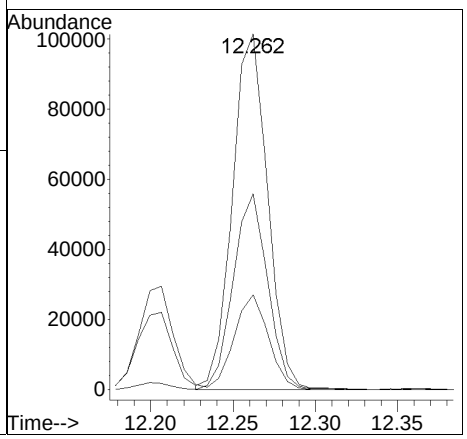


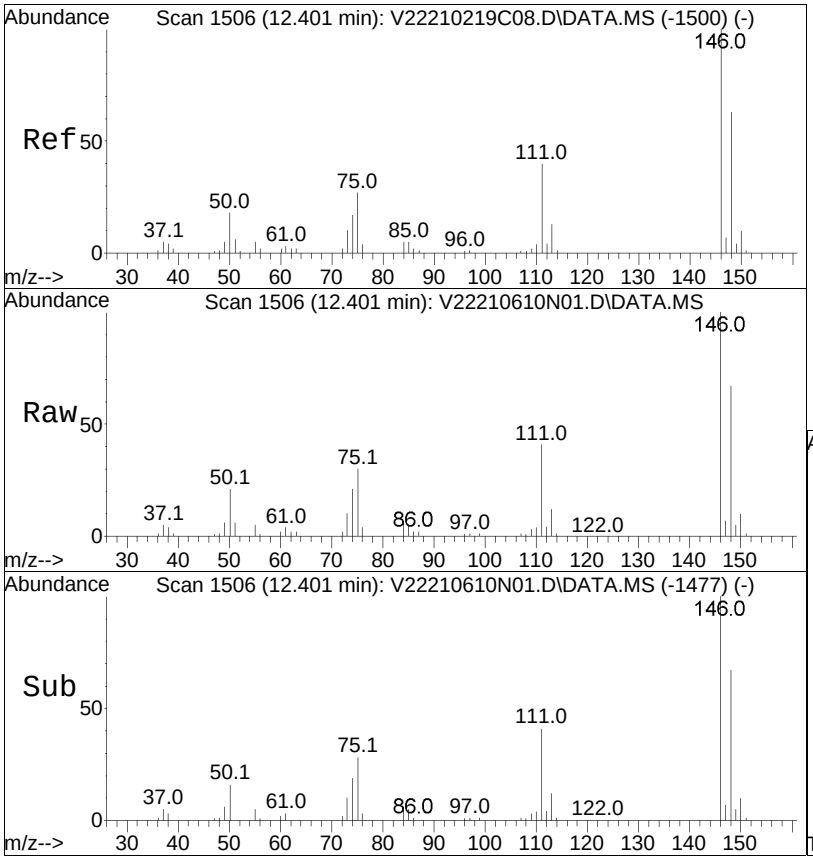


#107
n-Butylbenzene
Concen: 8.26 ug/L
RT: 12.262 min Scan# 1486
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion: 91 Resp: 151153

Ion	Ratio	Lower	Upper
91	100		
92	53.8	44.6	66.8
134	25.8	22.9	34.3

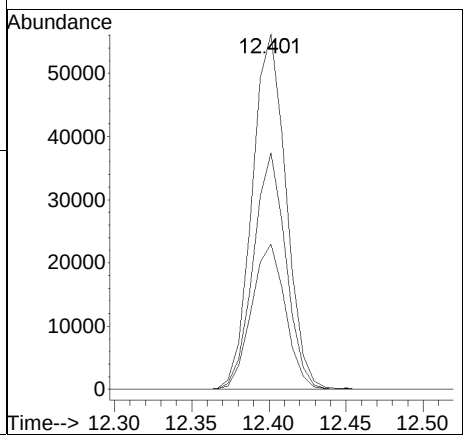


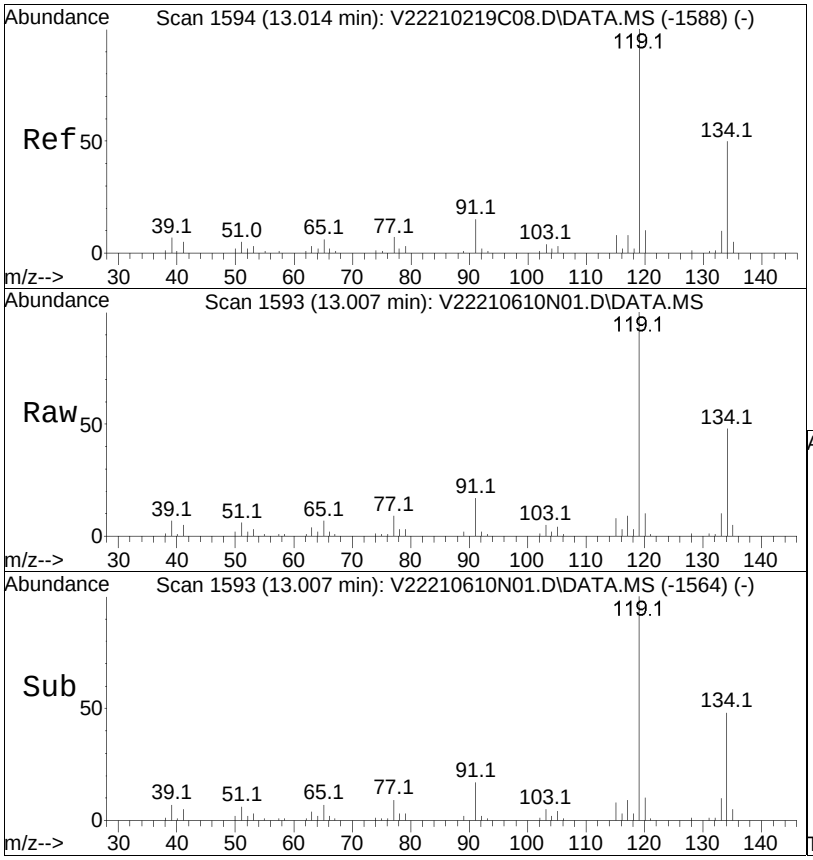


#108
1,2-Dichlorobenzene
Concen: 9.18 ug/L
RT: 12.401 min Scan# 1506
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:146 Resp: 86114

Ion	Ratio	Lower	Upper
146	100		
111	40.9	24.8	51.6
148	63.9	42.2	87.6

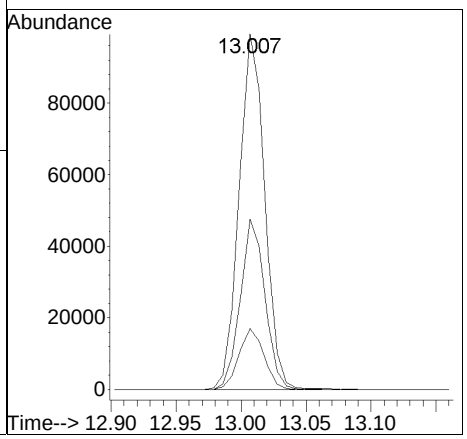


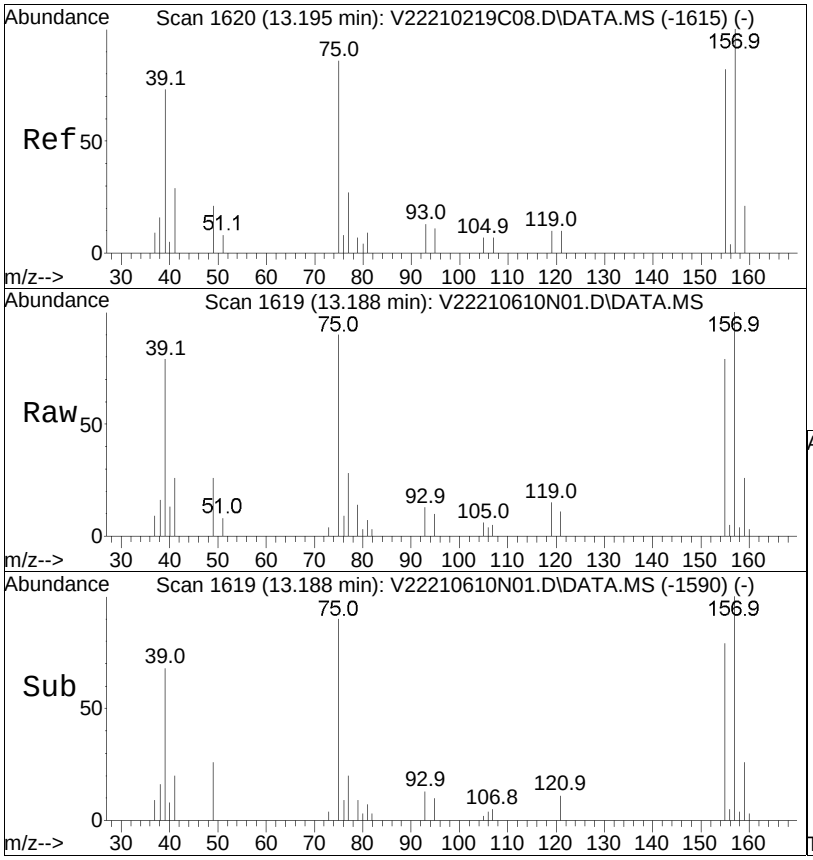


#109
1,2,4,5-Tetramethylbenzene
Concen: 8.20 ug/L
RT: 13.007 min Scan# 1593
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:119 Resp: 136046

Ion	Ratio	Lower	Upper
119	100		
134	46.1	31.9	66.1
91	16.7	9.8	20.3

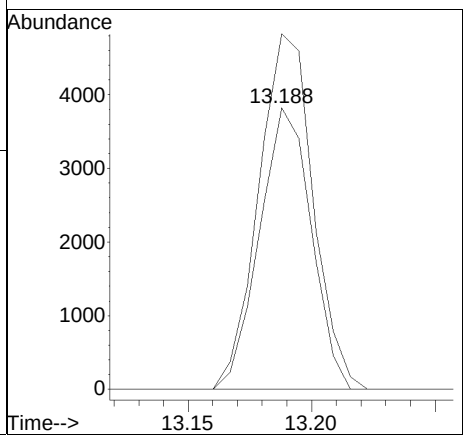


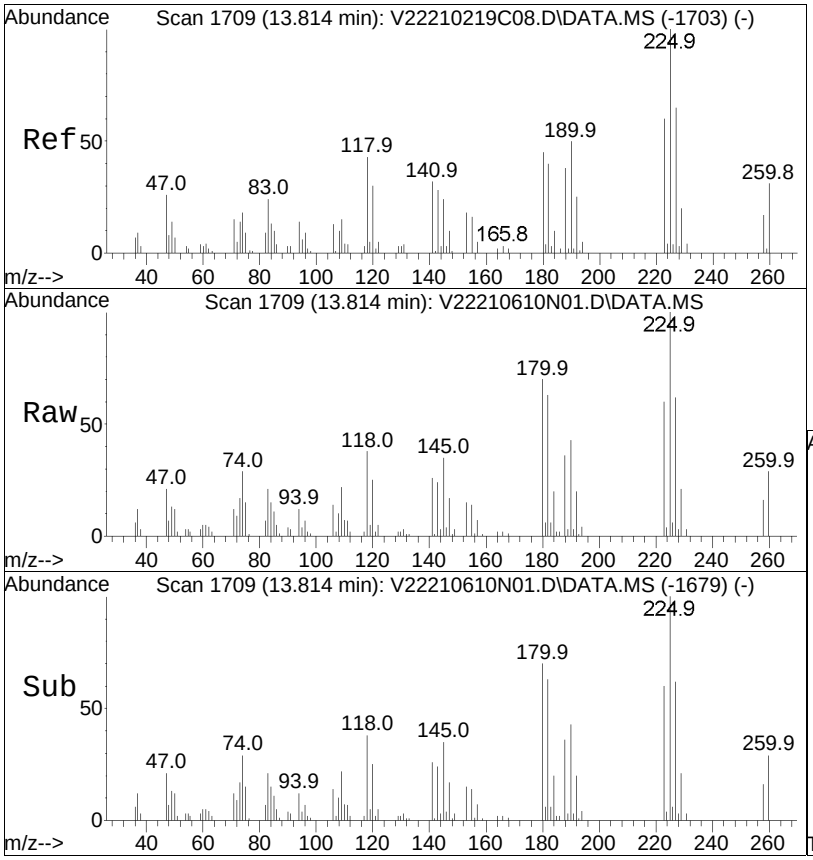


#110
1,2-Dibromo-3-chloropropane
Concen: 9.17 ug/L
RT: 13.188 min Scan# 1619
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:155 Resp: 5571

Ion	Ratio	Lower	Upper
155	100		
157	132.8	102.3	153.5

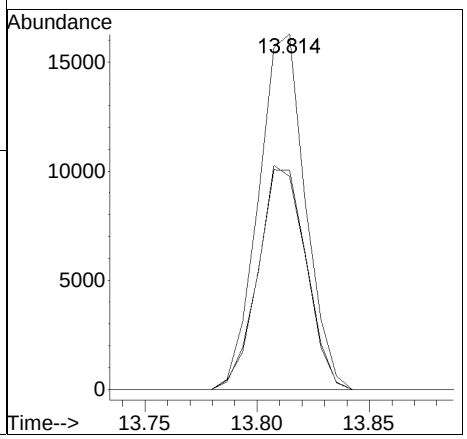


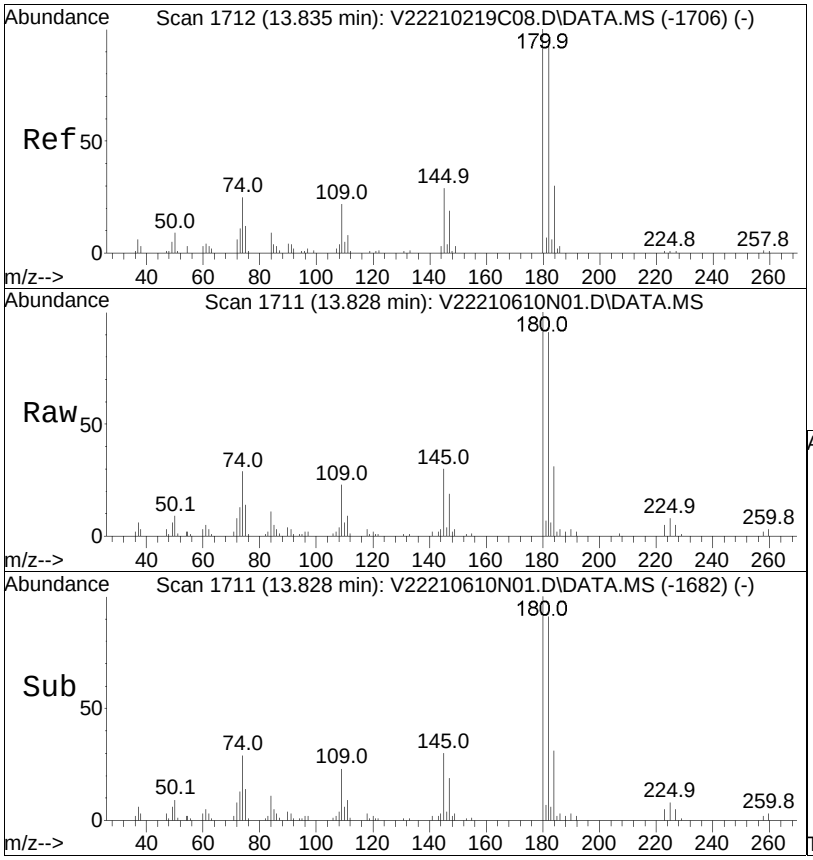


#112
Hexachlorobutadiene
Concen: 11.89 ug/L
RT: 13.814 min Scan# 1709
Delta R.T. 0.007 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:225 Resp: 23652

Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.8	74.8
227	64.2	52.2	78.4

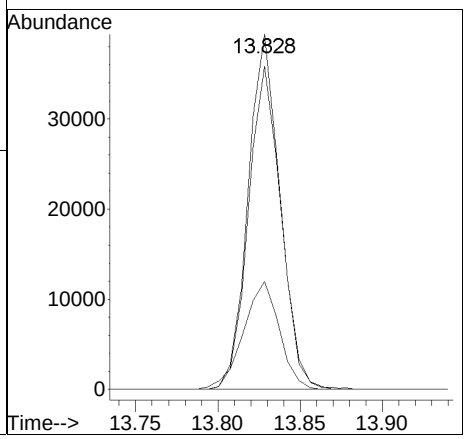


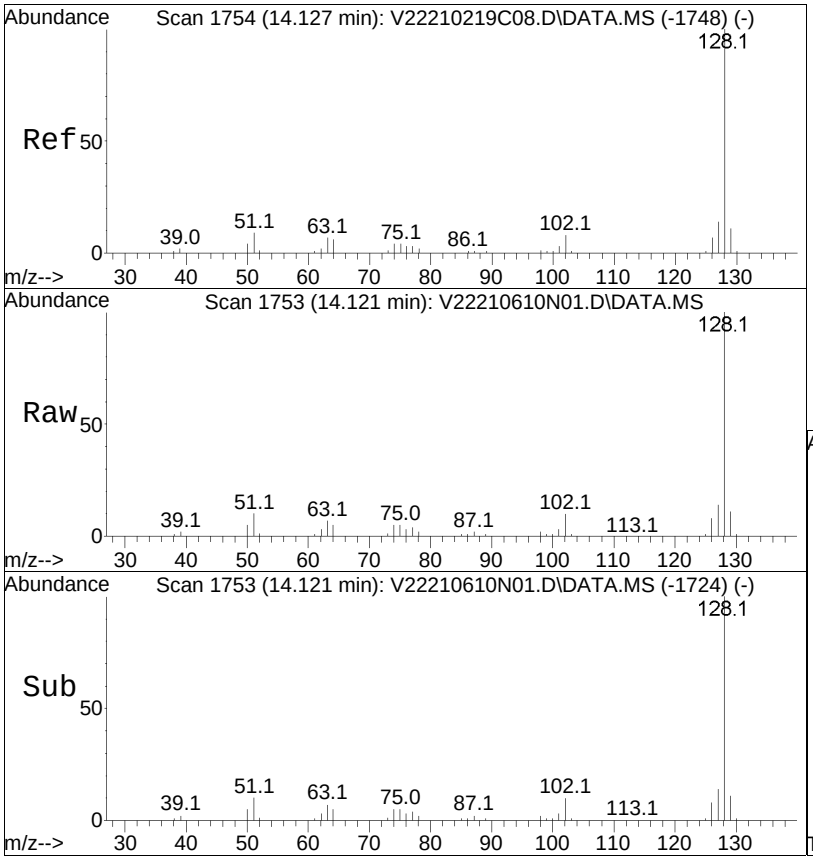


#113
1,2,4-Trichlorobenzene
Concen: 9.77 ug/L
RT: 13.828 min Scan# 1711
Delta R.T. 0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:180 Resp: 53118

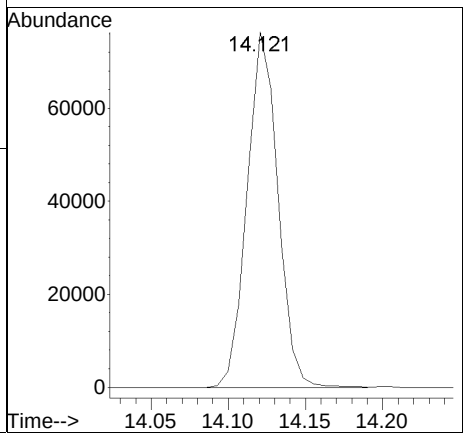
Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.6	114.8
145	34.2	25.5	38.3

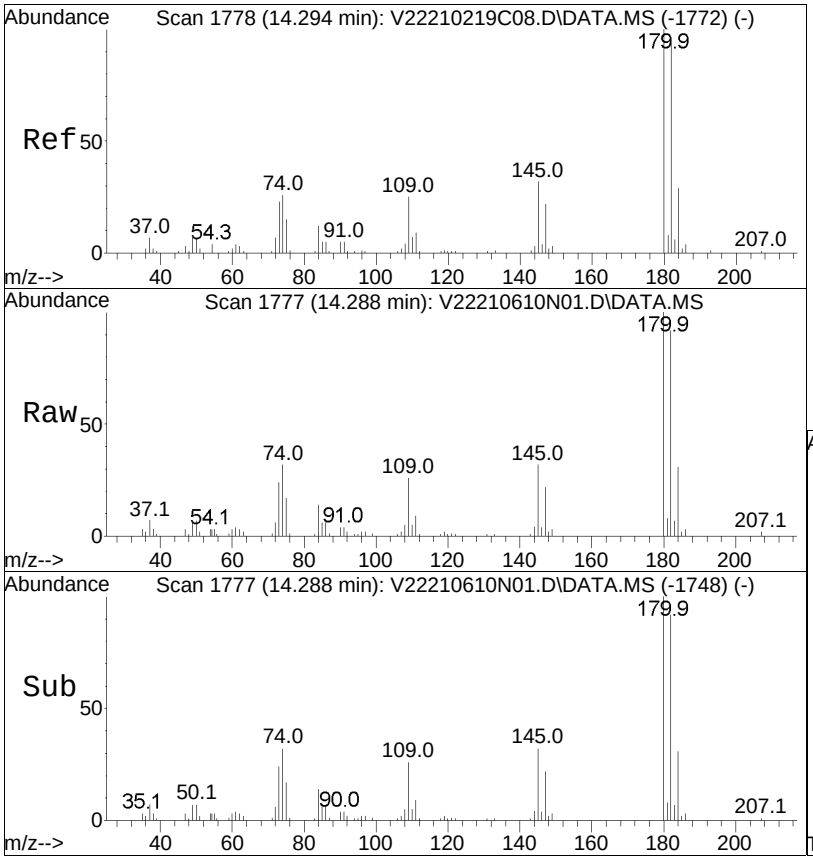




#114
Naphthalene
Concen: 8.41 ug/L
RT: 14.121 min Scan# 1753
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:128 Resp: 105940

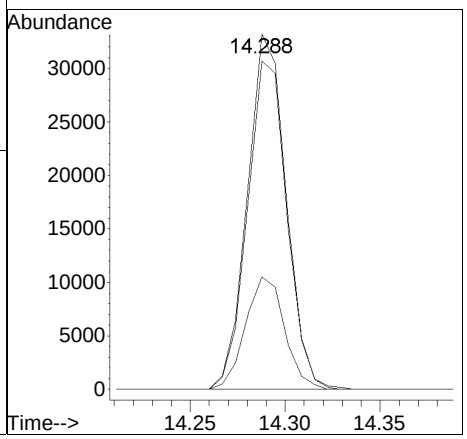




#115
1,2,3-Trichlorobenzene
Concen: 9.84 ug/L
RT: 14.288 min Scan# 1777
Delta R.T. -0.000 min
Lab File: V22210610N01.D
Acq: 10 Jun 2021 08:01 pm

Tgt Ion:180 Resp: 47151

Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.0	114.0
145	32.0	23.8	35.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	QMethod	: V122_210420N_8260.m
Data File	: V22210610N01.D	Operator	: VOA122:TMS
Date Inj'd	: 6/10/2021 8:01 pm	Instrument	: VOA122
Sample	: WG1510951-3,31,10,10	Quant Date	: 6/10/2021 8:25 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N02.D
Acq On : 10 Jun 2021 08:26 pm
Operator : VOA122:TMS
Sample : WG1510951-4,31,10,10
Misc : WG1510951,ICAL17864
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 21:48:15 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	228918	10.000	ug/L	0.00
Standard Area 1 = 227181			Recovery = 100.76%			
62) Chlorobenzene-d5	9.170	117	176103	10.000	ug/L	0.00
Standard Area 1 = 171867			Recovery = 102.46%			
83) 1,4-Dichlorobenzene-d4	11.956	152	101227	10.000	ug/L	0.00
Standard Area 1 = 97920			Recovery = 103.38%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	66409	11.002	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.02%			
46) 1,2-Dichloroethane-d4	5.379	65	83693	11.717	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.17%			
63) Toluene-d8	7.341	98	220131	9.866	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.66%			
87) 4-Bromofluorobenzene	10.708	95	89529	9.159	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.59%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	40029	10.078	ug/L	98
3) Chloromethane	1.657	50	47819	8.244	ug/L	97
4) Vinyl chloride	1.699	62	41047	7.723	ug/L	99
5) Bromomethane	1.978	94	9869	6.027	ug/L	97
6) Chloroethane	2.082	64	22907	7.441	ug/L	98
7) Trichlorofluoromethane	2.222	101	76789	11.841	ug/L	99
8) Ethyl ether	2.508	74	18525	8.618	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	37533	9.666	ug/L #	63
11) Carbon disulfide	2.710	76	110156	9.332	ug/L	100
15) Methylene chloride	3.212	84	39440	8.986	ug/L #	61
17) Acetone	3.253	43	10526	9.303	ug/L	94
18) trans-1,2-Dichloroethene	3.365	96	39232	9.461	ug/L	77
21) Methyl tert-butyl ether	3.456	73	91297	9.496	ug/L #	85
25) 1,1-Dichloroethane	3.923	63	87034	9.692	ug/L	95
27) Acrylonitrile	3.971	53	12023	9.381	ug/L	95
29) Vinyl acetate	4.160	43	86763	10.752	ug/L #	89
30) cis-1,2-Dichloroethene	4.432	96	43836	9.298	ug/L #	75
31) 2,2-Dichloropropane	4.529	77	61330	9.714	ug/L	87
32) Bromochloromethane	4.613	128	20537	10.714	ug/L #	65
34) Chloroform	4.689	83	78880	9.853	ug/L	94

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N02.D
Acq On : 10 Jun 2021 08:26 pm
Operator : VOA122:TMS
Sample : WG1510951-4,31,10,10
Misc : WG1510951,ICAL17864
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 21:48:15 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	4.822	117	69707	12.008	ug/L		98
39) 1,1,1-Trichloroethane	4.892	97	77270	11.162	ug/L		96
41) 2-Butanone	4.989	43	13663	9.810	ug/L	#	68
42) 1,1-Dichloropropene	5.018	75	37739	9.341	ug/L		96
44) Benzene	5.246	78	149793	8.923	ug/L	#	90
47) 1,2-Dichloroethane	5.446	62	63356	10.768	ug/L		97
51) Trichloroethene	5.837	95	43798	9.811	ug/L		92
53) Dibromomethane	6.265	93	23599	9.396	ug/L		89
54) 1,2-Dichloropropane	6.376	63	42704	9.001	ug/L		100
57) Bromodichloromethane	6.442	83	58235	9.914	ug/L		99
60) 1,4-Dioxane	6.656	88	13763	490.161	ug/L	#	59
61) cis-1,3-Dichloropropene	7.135	75	61034	9.198	ug/L	#	85
64) Toluene	7.400	92	96351	8.855	ug/L		98
65) 4-Methyl-2-pentanone	7.842	58	9948	9.185	ug/L	#	83
66) Tetrachloroethene	7.842	166	47861	10.870	ug/L		90
68) trans-1,3-Dichloropropene	7.879	75	55268	8.461	ug/L		86
71) 1,1,2-Trichloroethane	8.055	83	25247	8.859	ug/L		96
72) Chlorodibromomethane	8.266	129	43564	10.700	ug/L		99
73) 1,3-Dichloropropane	8.377	76	52475	8.708	ug/L		99
74) 1,2-Dibromoethane	8.535	107	30845	9.826	ug/L		98
76) 2-Hexanone	8.845	43	17532	9.187	ug/L		88
77) Chlorobenzene	9.193	112	108840	8.931	ug/L		96
78) Ethylbenzene	9.241	91	195266	9.143	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.273	131	39860	9.953	ug/L		95
80) p/m Xylene	9.423	106	151817	18.186	ug/L		92
81) o Xylene	9.971	106	141945	18.002	ug/L		90
82) Styrene	10.042	104	233884	18.376	ug/L		91
84) Bromoform	10.050	173	25336	10.517	ug/L		100
86) Isopropylbenzene	10.375	105	204402	8.481	ug/L		96
88) Bromobenzene	10.819	156	49898	9.649	ug/L		99
89) n-Propylbenzene	10.883	91	242755	8.074	ug/L		95
91) 1,1,2,2-Tetrachloroethane	10.962	83	34293	8.530	ug/L		98
92) 4-Ethyltoluene	11.009	105	192947	8.279	ug/L		98
93) 2-Chlorotoluene	11.041	91	165517	8.323	ug/L		96
94) 1,3,5-Trimethylbenzene	11.113	105	169474	8.606	ug/L		95
95) 1,2,3-Trichloropropane	11.105	75	30778	8.683	ug/L		96
96) trans-1,4-Dichloro-2-b...	11.168	53	11586	9.033	ug/L	#	69
97) 4-Chlorotoluene	11.232	91	150094	8.416	ug/L		95
98) tert-Butylbenzene	11.462	119	147798	7.988	ug/L		94

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N02.D
Acq On : 10 Jun 2021 08:26 pm
Operator : VOA122:TMS
Sample : WG1510951-4,31,10,10
Misc : WG1510951,ICAL17864
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 21:48:15 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101)	1,2,4-Trimethylbenzene	11.545	105	165615	8.629	ug/L	94
102)	sec-Butylbenzene	11.657	105	187626	8.163	ug/L	97
103)	p-Isopropyltoluene	11.824	119	177675	8.511	ug/L	95
104)	1,3-Dichlorobenzene	11.872	146	97442	8.955	ug/L	97
105)	1,4-Dichlorobenzene	11.970	146	97383	8.925	ug/L	97
106)	p-Diethylbenzene	12.200	119	99147	8.223	ug/L	98
107)	n-Butylbenzene	12.262	91	156047	8.247	ug/L	96
108)	1,2-Dichlorobenzene	12.401	146	86173	8.889	ug/L	97
109)	1,2,4,5-Tetramethylben...	13.007	119	141199	8.234	ug/L	96
110)	1,2-Dibromo-3-chloropr...	13.188	155	6574	10.423	ug/L	99
112)	Hexachlorobutadiene	13.814	225	23885	11.613	ug/L	98
113)	1,2,4-Trichlorobenzene	13.828	180	53695	9.554	ug/L	98
114)	Naphthalene	14.121	128	118379	9.086	ug/L	100
115)	1,2,3-Trichlorobenzene	14.288	180	50102	10.119	ug/L	99

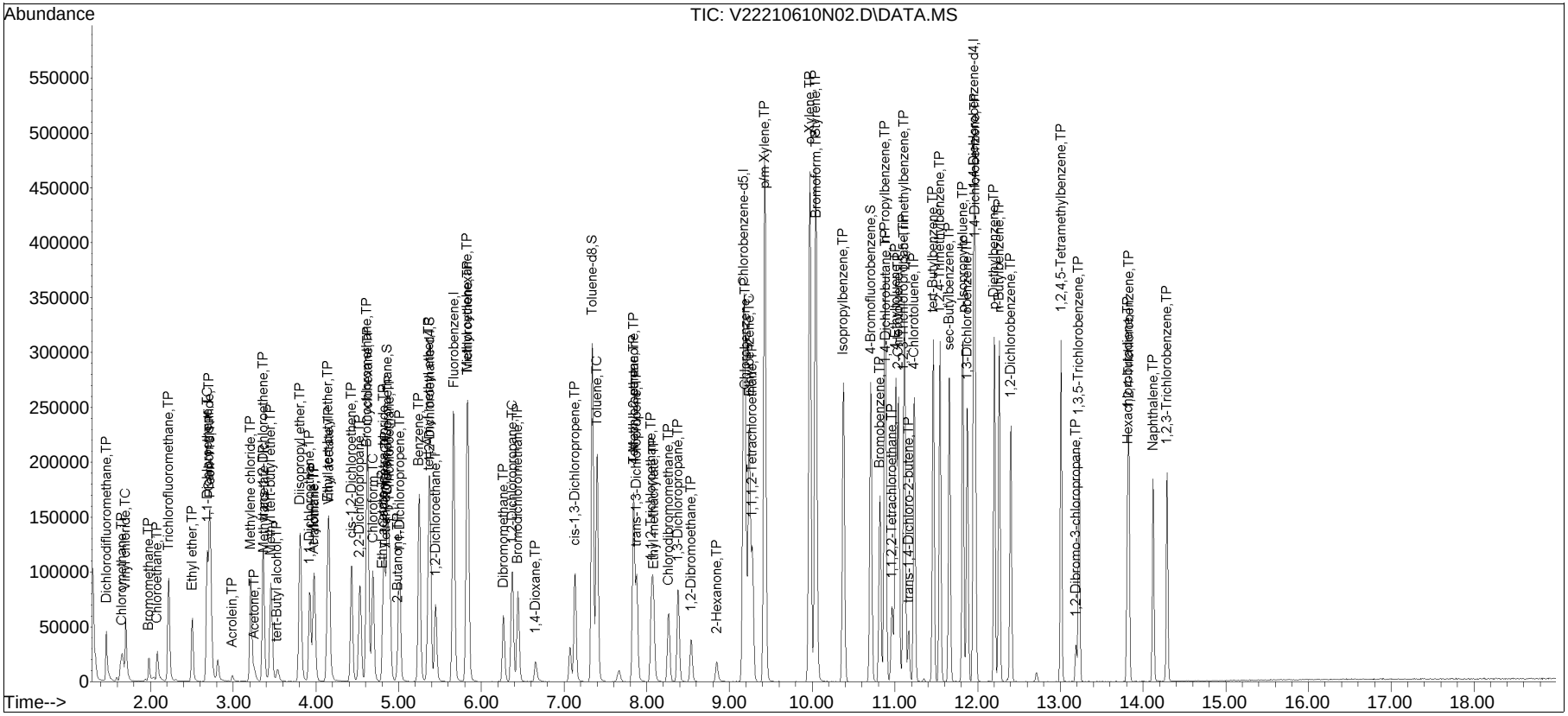
(#) = qualifier out of range (m) = manual integration (+) = signals summed

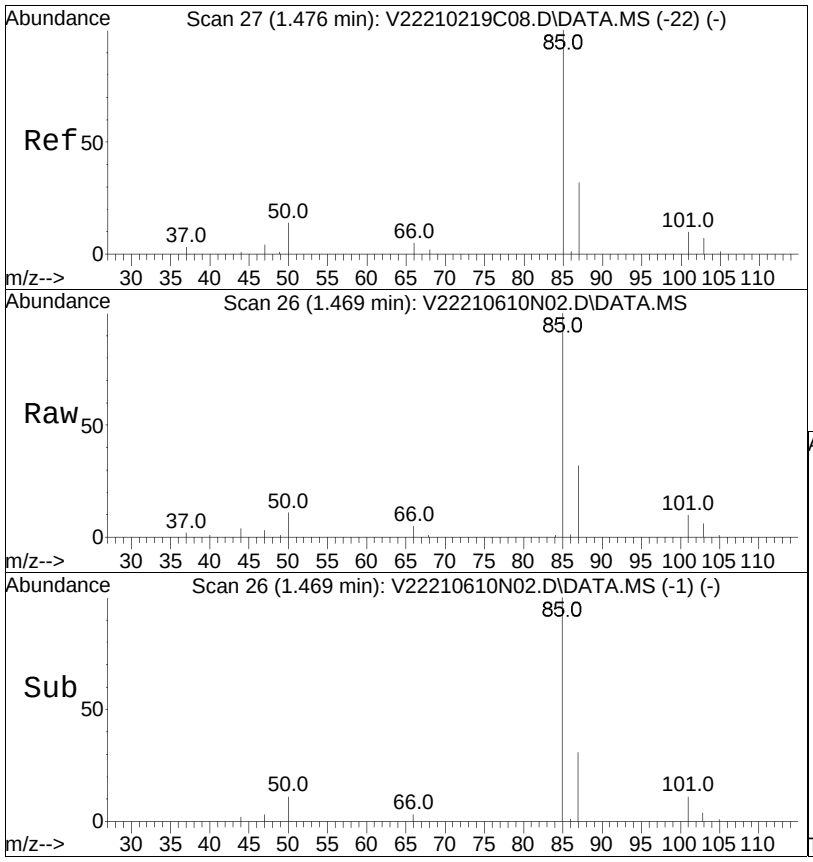
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N02.D
Acq On : 10 Jun 2021 08:26 pm
Operator : VOA122:TMS
Sample : WG1510951-4,31,10,10
Misc : WG1510951,ICAL17864
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 21:48:15 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

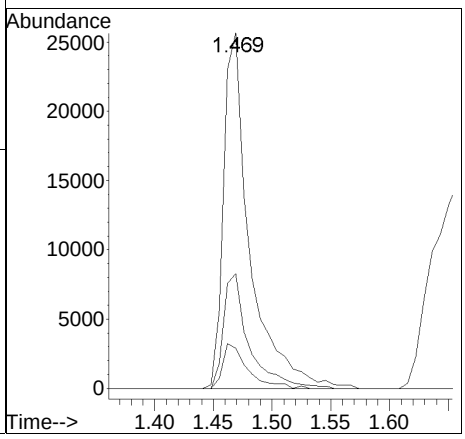


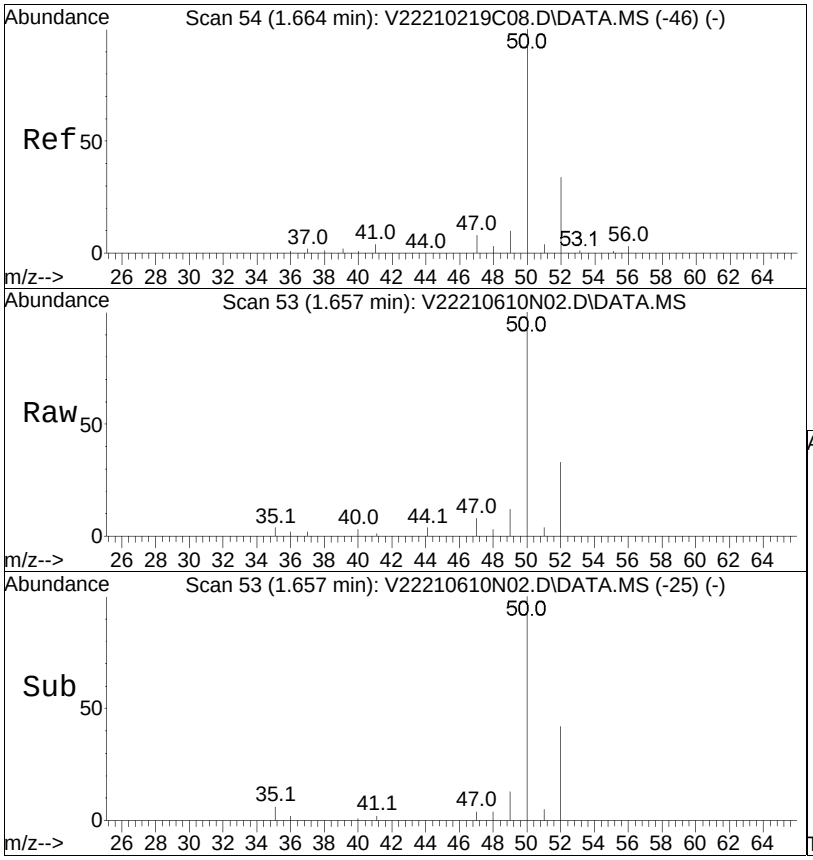


#2
Dichlorodifluoromethane
Concen: 10.08 ug/L
RT: 1.469 min Scan# 26
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 85 Resp: 40029

Ion	Ratio	Lower	Upper
85	100		
87	31.2	20.7	42.9
50	11.9	6.8	14.2

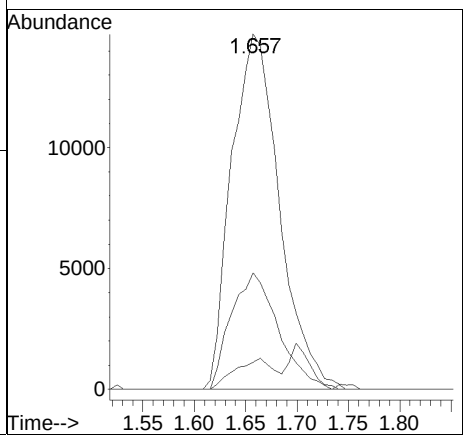


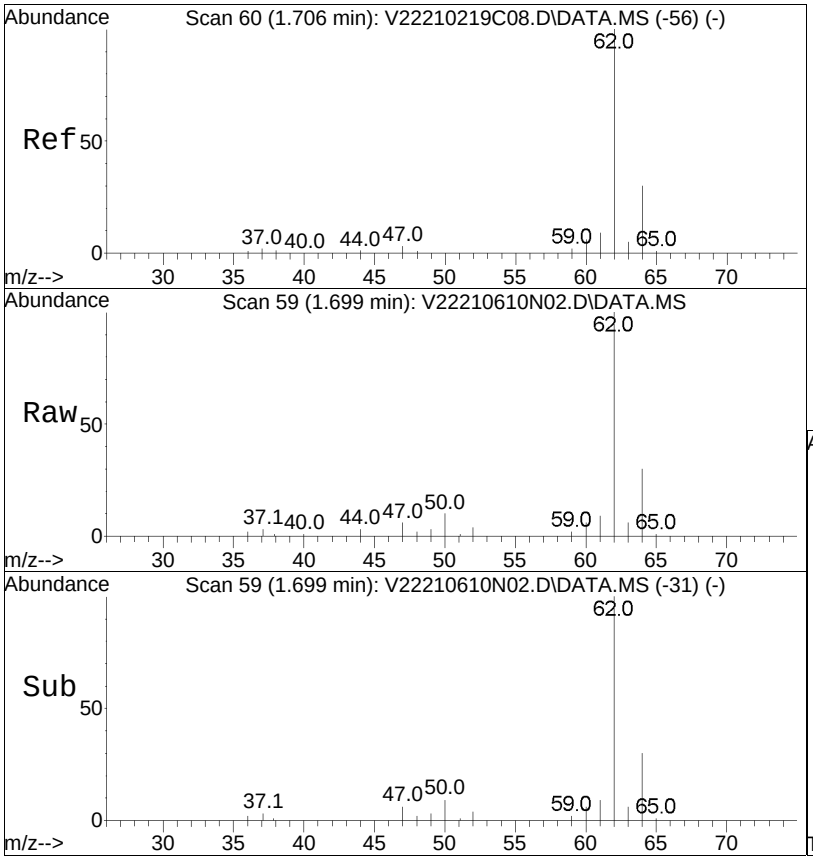


#3
Chloromethane
Concen: 8.24 ug/L
RT: 1.657 min Scan# 53
Delta R.T. -0.007 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 50 Resp: 47819

Ion	Ratio	Lower	Upper
50	100		
52	32.2	12.8	52.8
47	7.2	0.0	30.0

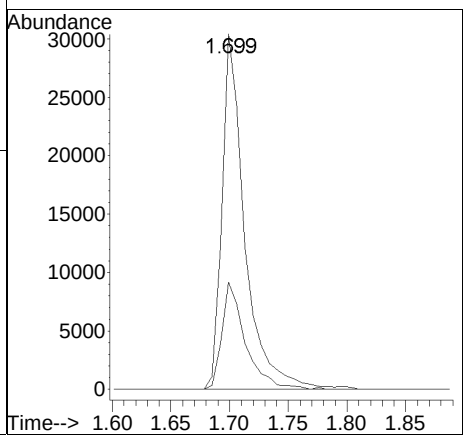


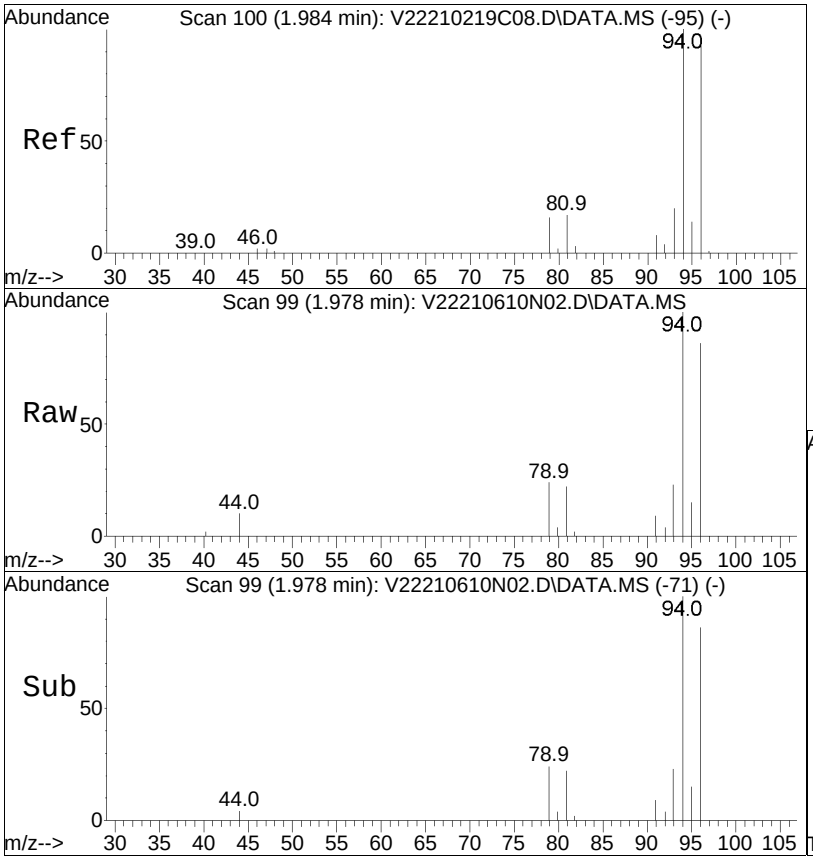


#4
Vinyl chloride
Concen: 7.72 ug/L
RT: 1.699 min Scan# 59
Delta R.T. -0.007 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 62 Resp: 41047

Ion	Ratio	Lower	Upper
62	100		
64	31.3	12.0	52.0

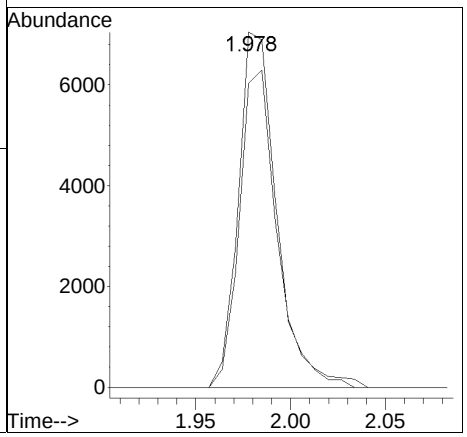


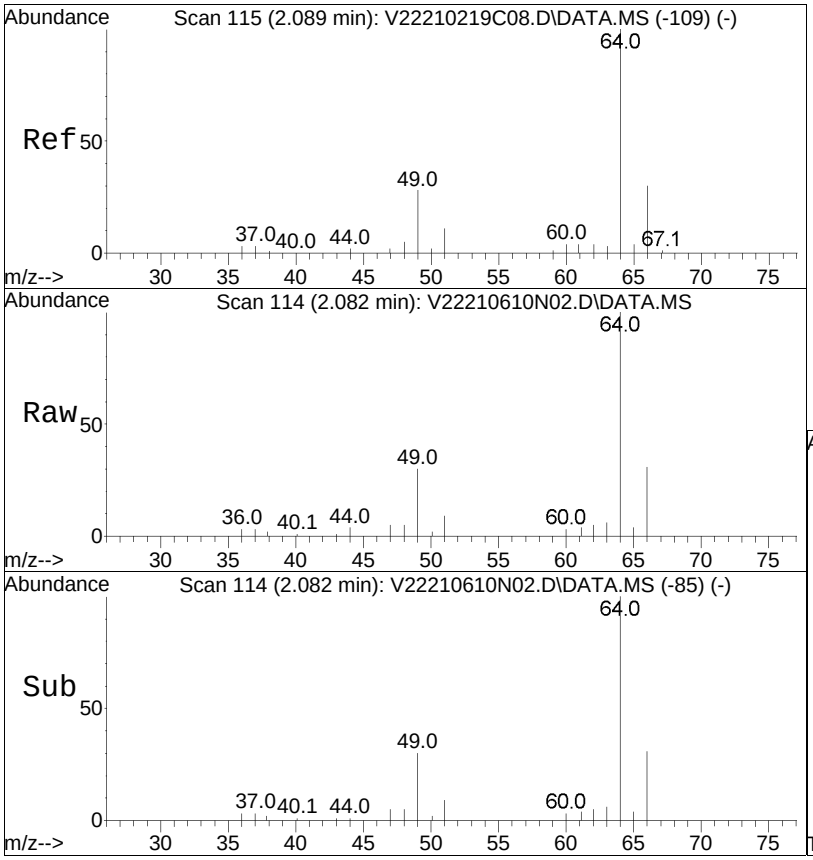


#5
Bromomethane
Concen: 6.03 ug/L
RT: 1.978 min Scan# 99
Delta R.T. -0.007 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 94 Resp: 9869

Ion	Ratio	Lower	Upper
94	100		
96	89.8	72.8	112.8

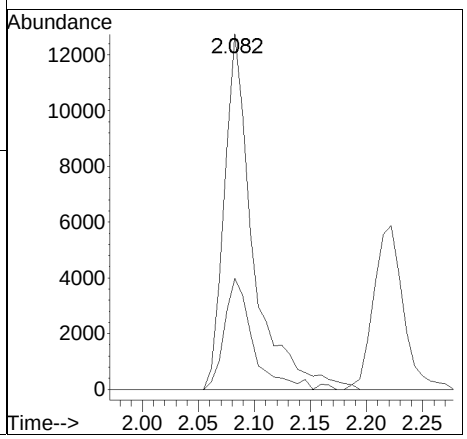


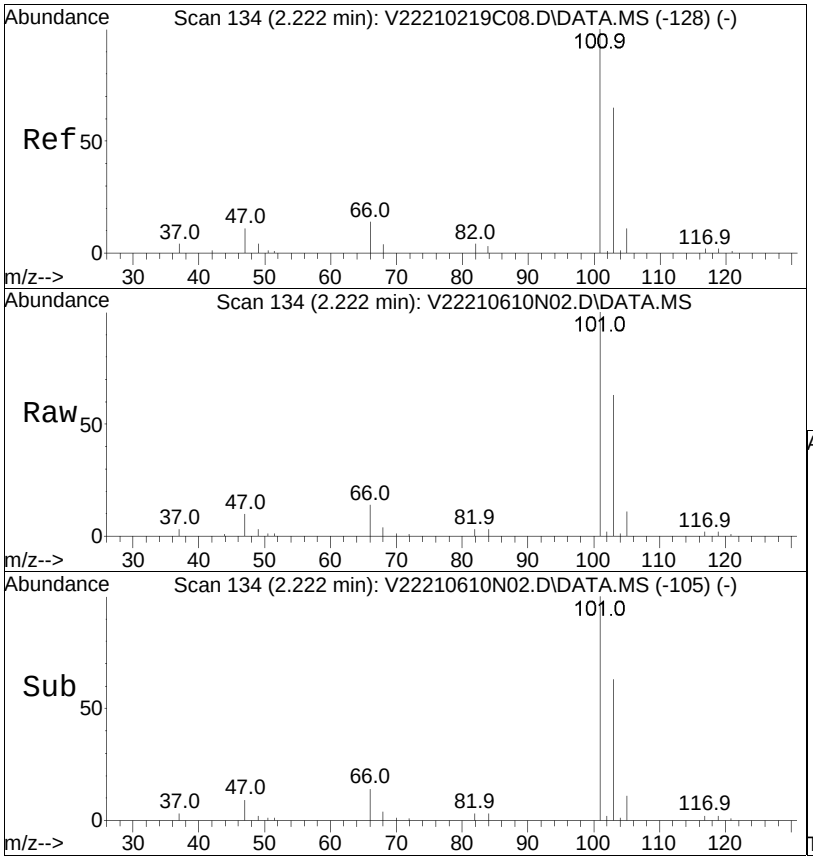


#6
Chloroethane
Concen: 7.44 ug/L
RT: 2.082 min Scan# 114
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 64 Resp: 22907

Ion	Ratio	Lower	Upper
64	100		
66	31.2	12.2	52.2

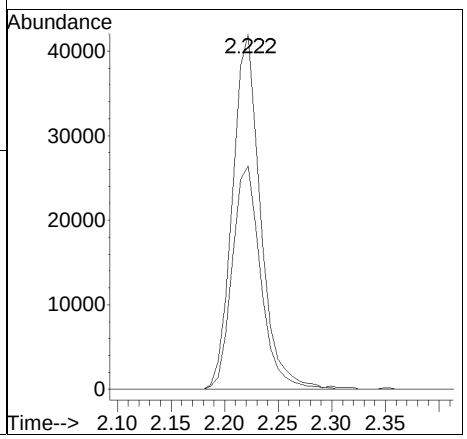


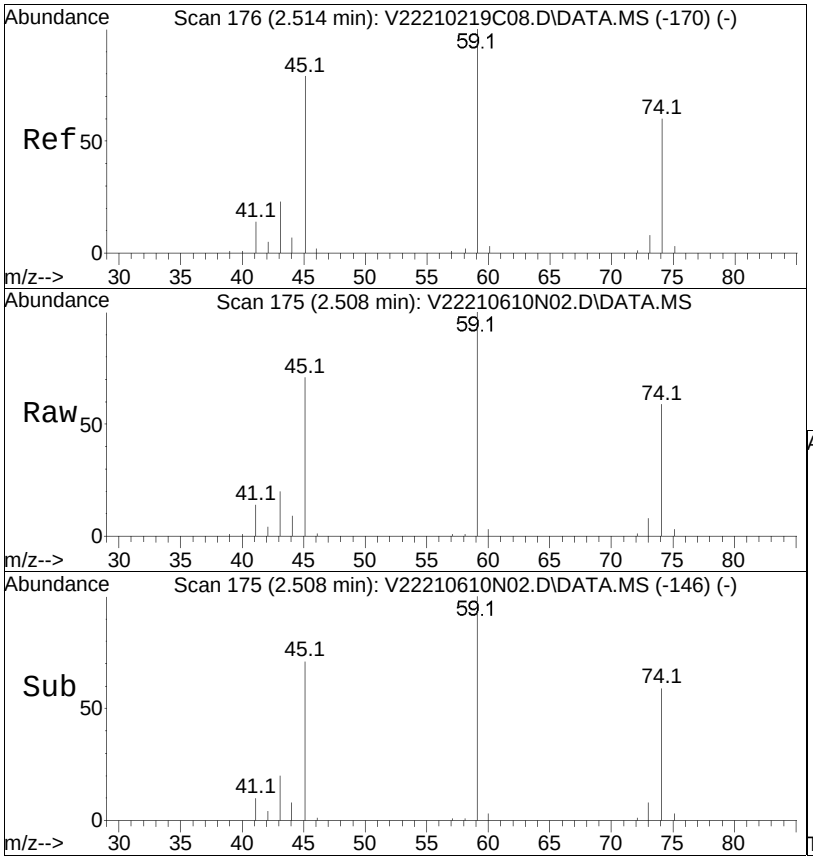


#7
Trichlorofluoromethane
Concen: 11.84 ug/L
RT: 2.222 min Scan# 134
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:101 Resp: 76789

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.6	77.4

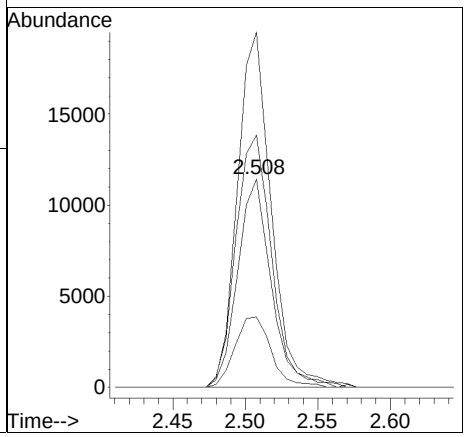


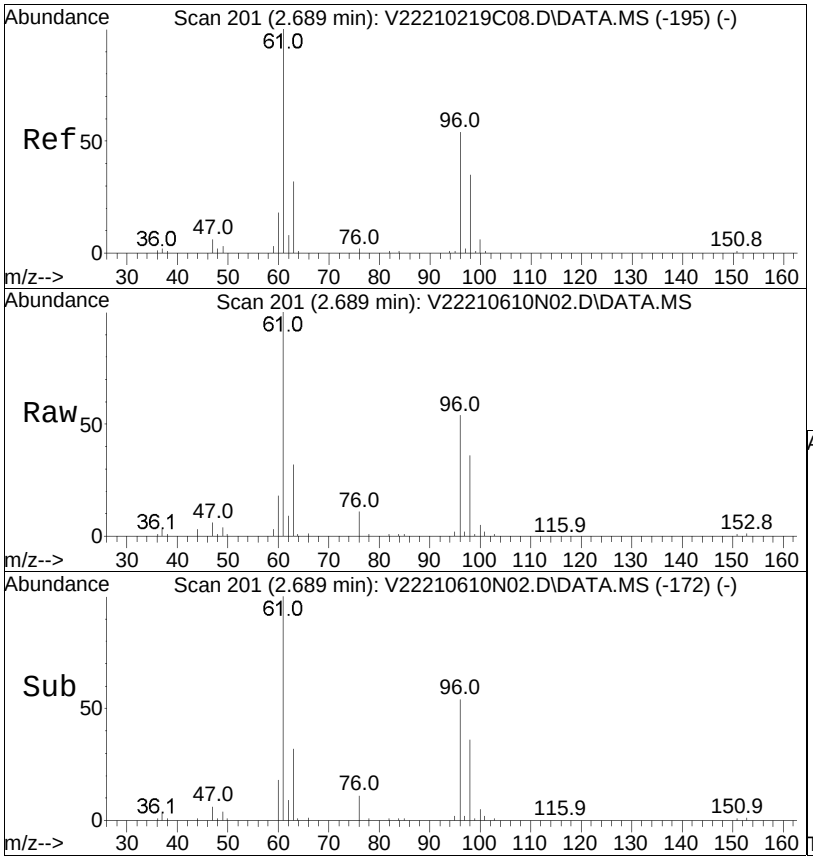


#8
Ethyl ether
Concen: 8.62 ug/L
RT: 2.508 min Scan# 175
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 74 Resp: 18525

Ion	Ratio	Lower	Upper
74	100		
59	171.0	2122.4	4408.0#
45	128.5	1435.1	2980.5#
43	36.6	407.9	847.3#

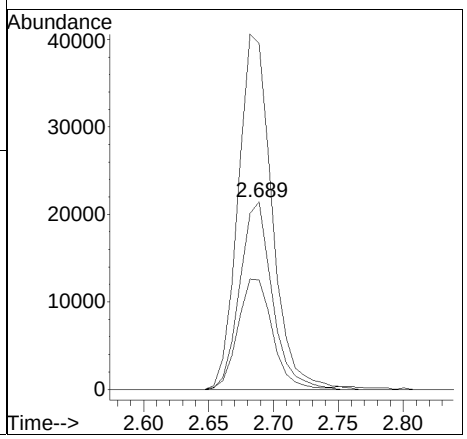


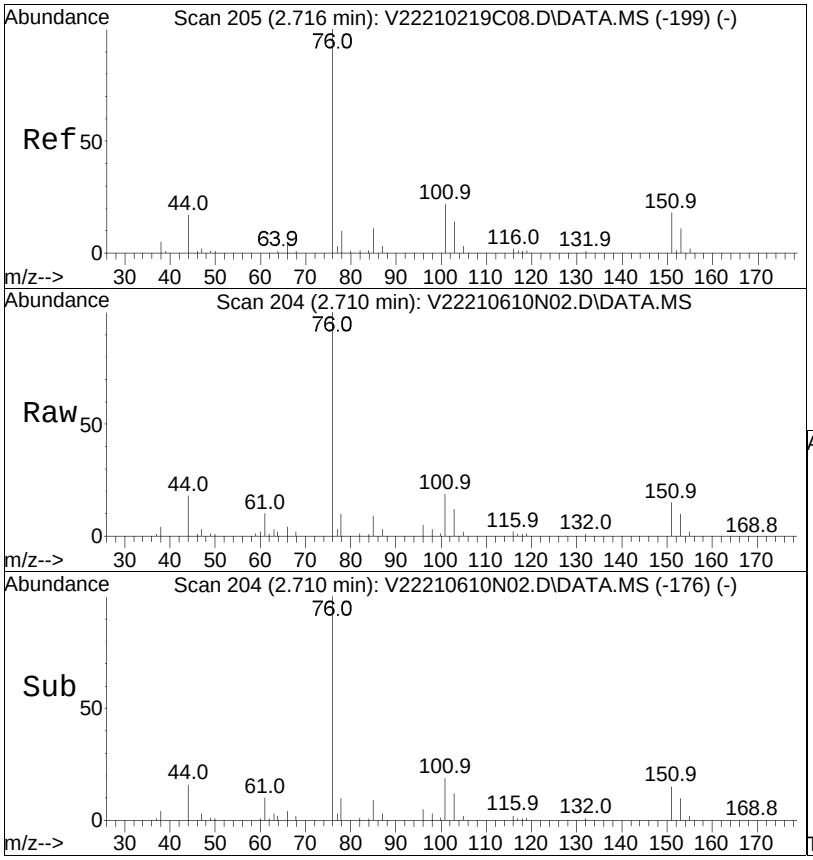


#10
1,1-Dichloroethene
Concen: 9.67 ug/L
RT: 2.689 min Scan# 201
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 96 Resp: 37533

Ion	Ratio	Lower	Upper
96	100		
61	197.5	117.0	175.4#
63	62.4	37.8	56.6#

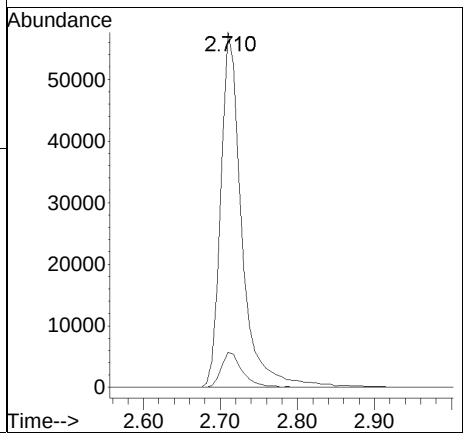


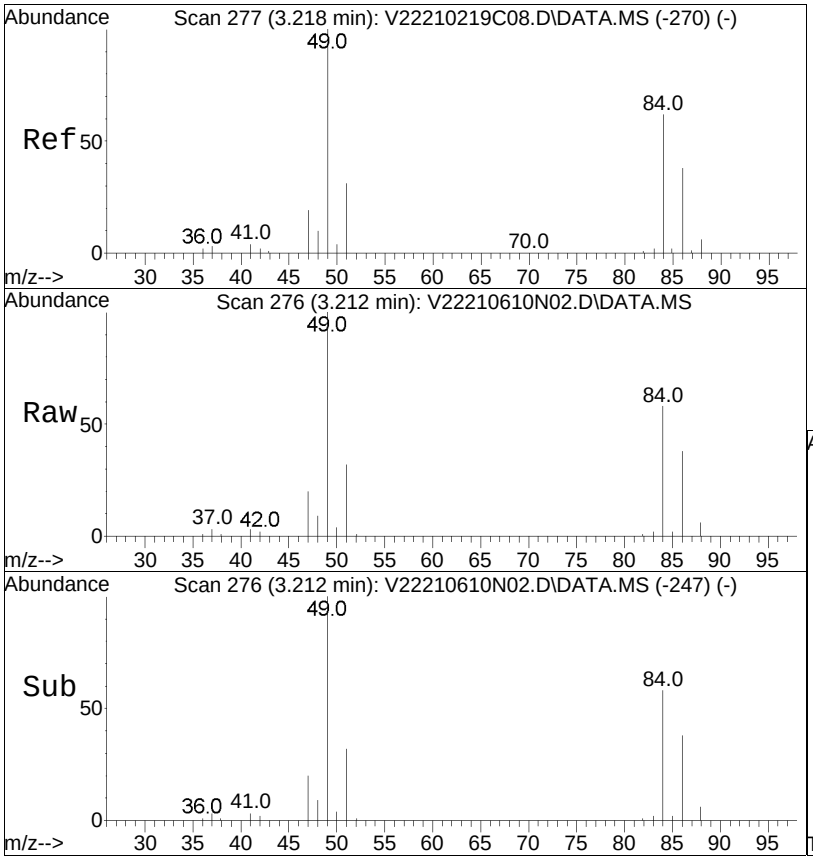


#11
Carbon disulfide
Concen: 9.33 ug/L
RT: 2.710 min Scan# 204
Delta R.T. -0.007 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 76 Resp: 110156

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.4	13.4

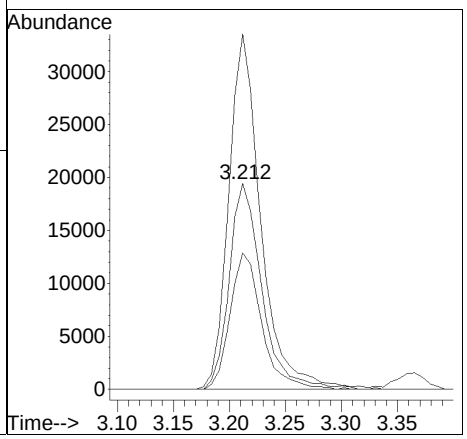


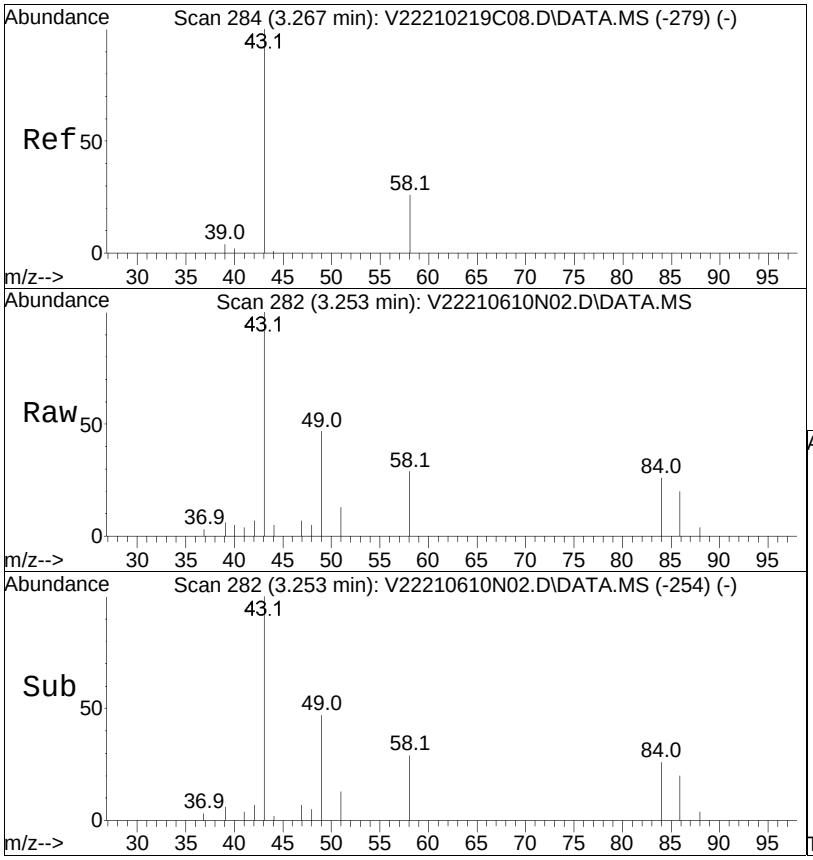


#15
Methylene chloride
Concen: 8.99 ug/L
RT: 3.212 min Scan# 276
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 84 Resp: 39440

Ion	Ratio	Lower	Upper
84	100		
86	64.6	41.5	86.3
49	169.5	68.8	143.0#

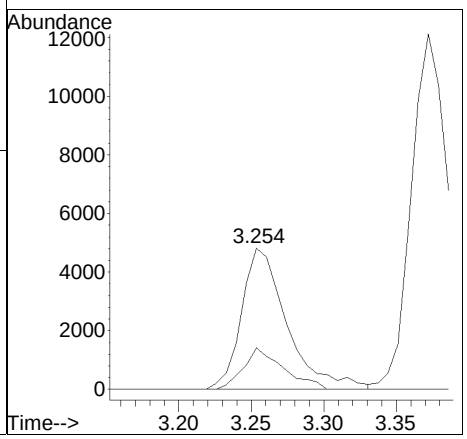


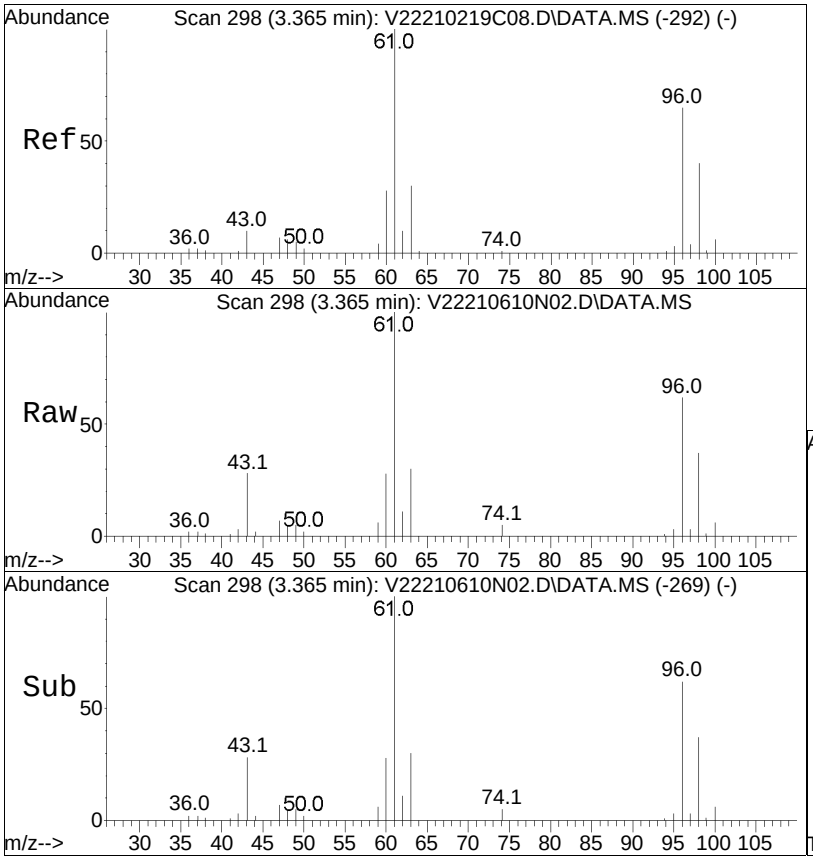


#17
Acetone
Concen: 9.30 ug/L
RT: 3.253 min Scan# 282
Delta R.T. -0.006 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 43 Resp: 10526

Ion	Ratio	Lower	Upper
43	100		
58	26.0	23.1	34.7

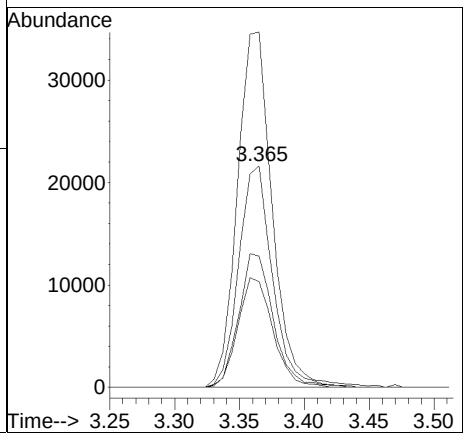


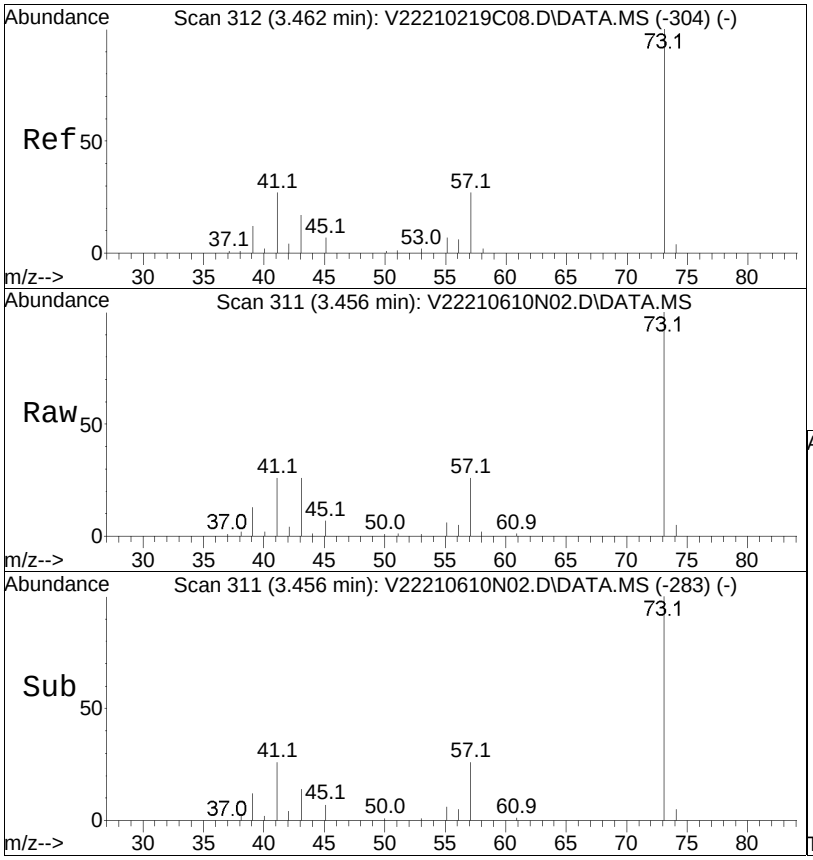


#18
trans-1,2-Dichloroethene
Concen: 9.46 ug/L
RT: 3.365 min Scan# 298
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 96 Resp: 39232

Ion	Ratio	Lower	Upper
96	100		
61	166.3	81.6	169.6
98	62.1	41.8	86.8
63	51.3	26.3	54.7

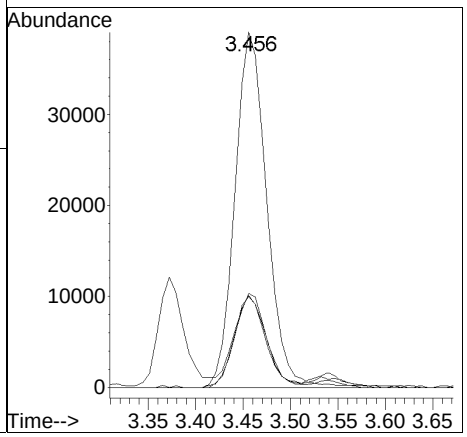


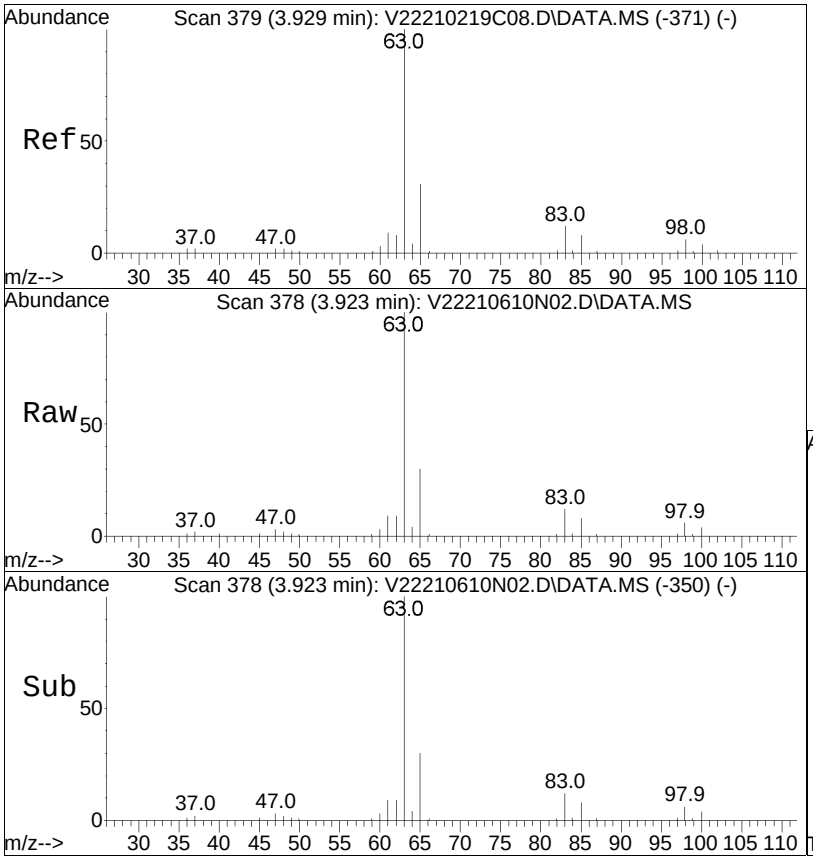


#21
Methyl tert-butyl ether
Concen: 9.50 ug/L
RT: 3.456 min Scan# 311
Delta R.T. -0.007 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 73 Resp: 91297

Ion	Ratio	Lower	Upper
73	100		
57	26.3	13.6	28.2
43	26.3	12.7	26.5
41	25.4	11.4	23.8#

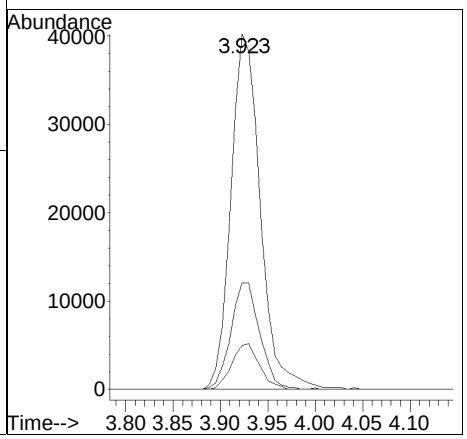


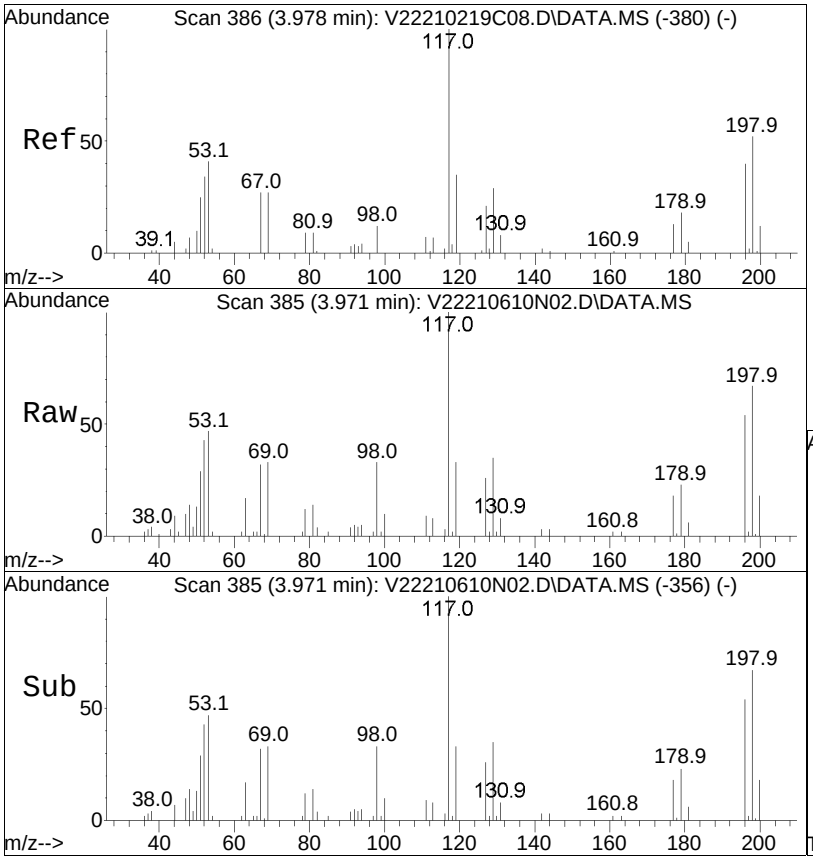


#25
1,1-Dichloroethane
Concen: 9.69 ug/L
RT: 3.923 min Scan# 378
Delta R.T. -0.007 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 63 Resp: 87034

Ion	Ratio	Lower	Upper
63	100		
65	29.4	11.9	51.9
83	12.1	0.0	34.2

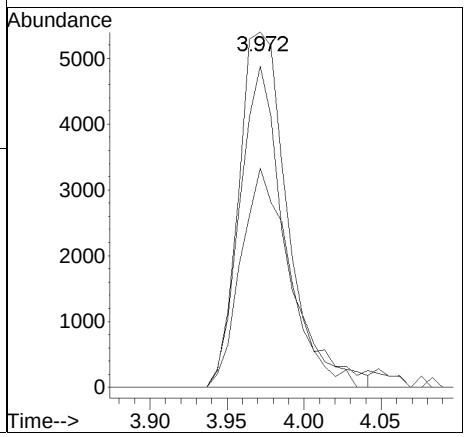


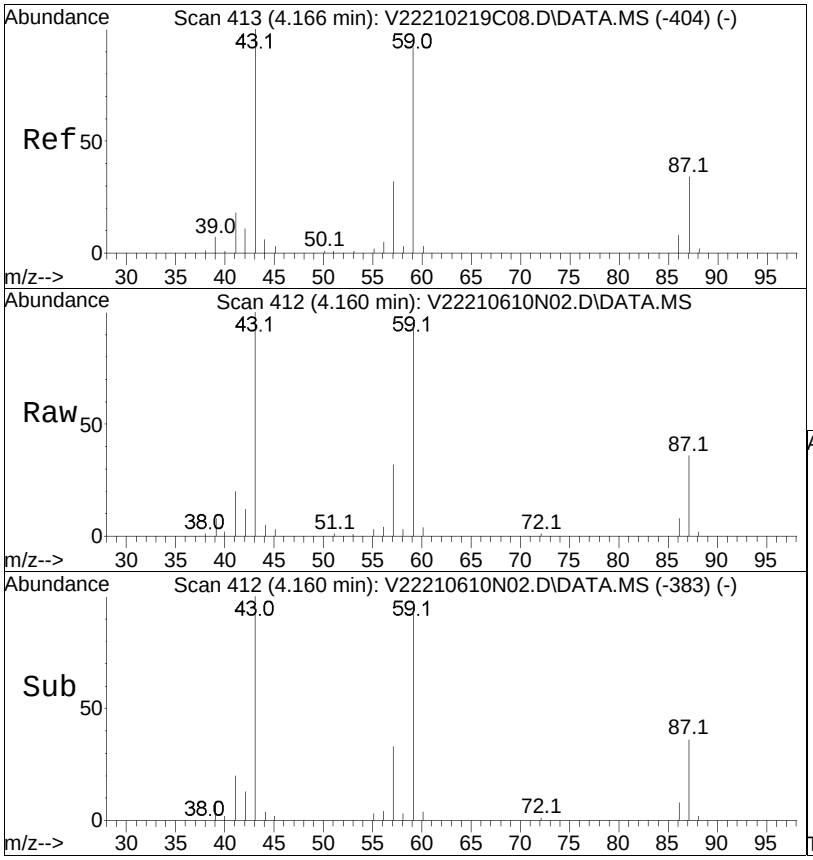


#27
Acrylonitrile
Concen: 9.38 ug/L
RT: 3.971 min Scan# 385
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 53 Resp: 12023

Ion	Ratio	Lower	Upper
53	100		
52	86.0	63.8	95.8
51	61.6	50.2	75.4

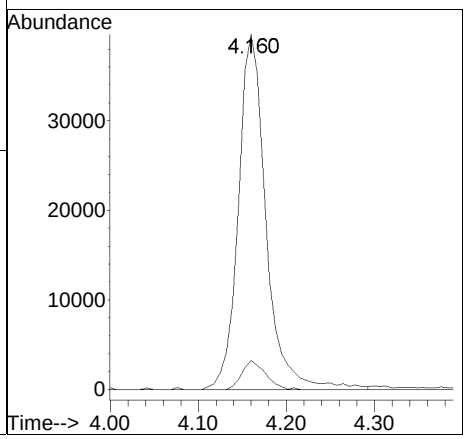


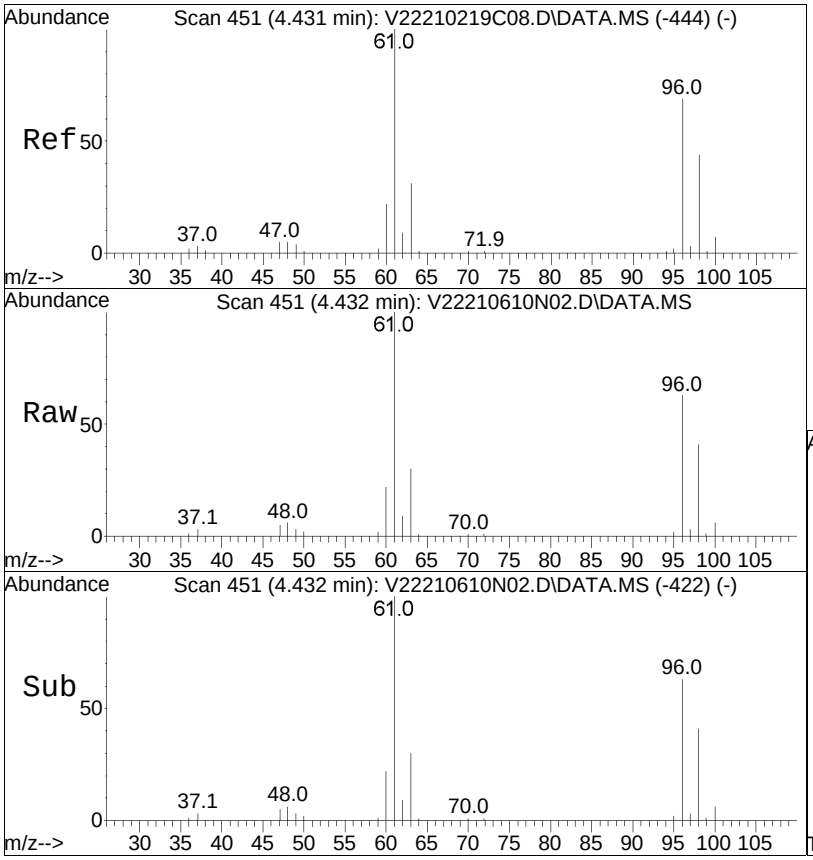


#29
Vinyl acetate
Concen: 10.75 ug/L
RT: 4.160 min Scan# 412
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 43 Resp: 86763

Ion	Ratio	Lower	Upper
43	100		
86	6.9	8.9	13.3#

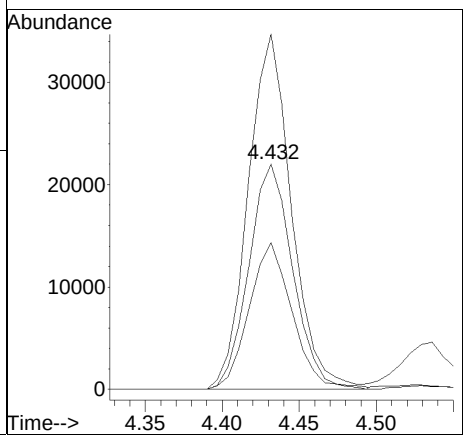


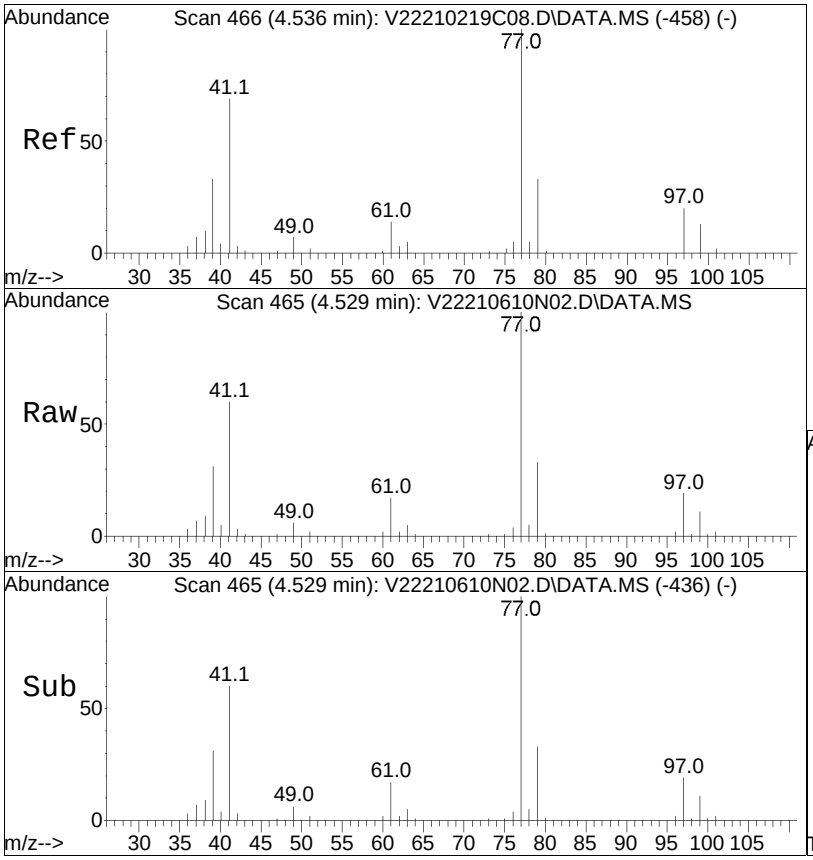


#30
cis-1,2-Dichloroethene
Concen: 9.30 ug/L
RT: 4.432 min Scan# 451
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 96 Resp: 43836

Ion	Ratio	Lower	Upper
96	100		
61	154.5	90.3	135.5#
98	63.2	50.8	76.2

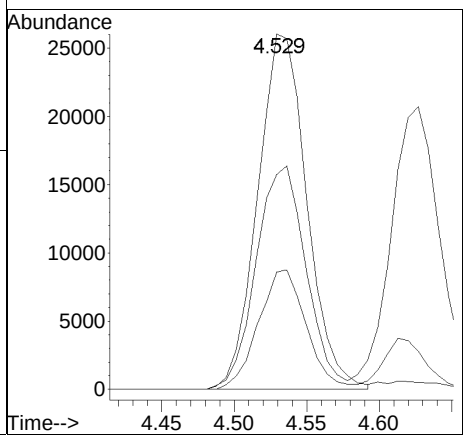


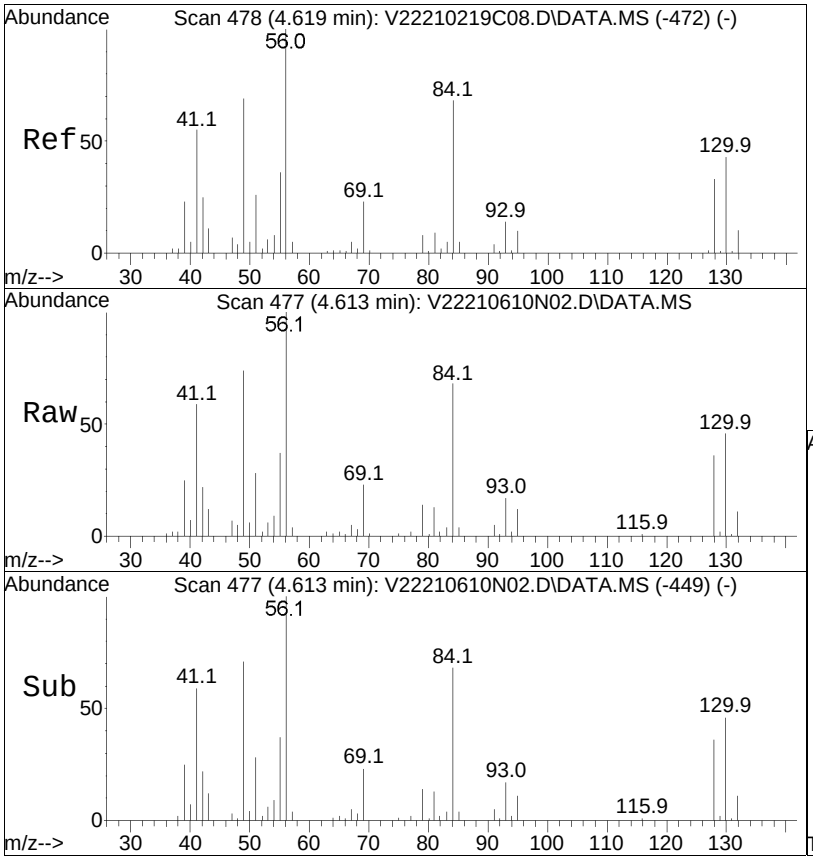


#31
2,2-Dichloropropane
Concen: 9.71 ug/L
RT: 4.529 min Scan# 465
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 77 Resp: 61330

Ion	Ratio	Lower	Upper
77	100		
41	63.9	32.3	67.1
79	32.8	21.1	43.7

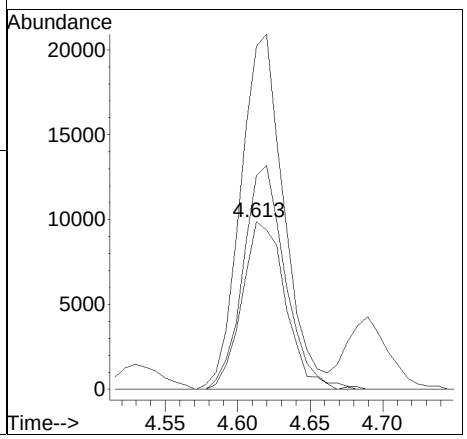


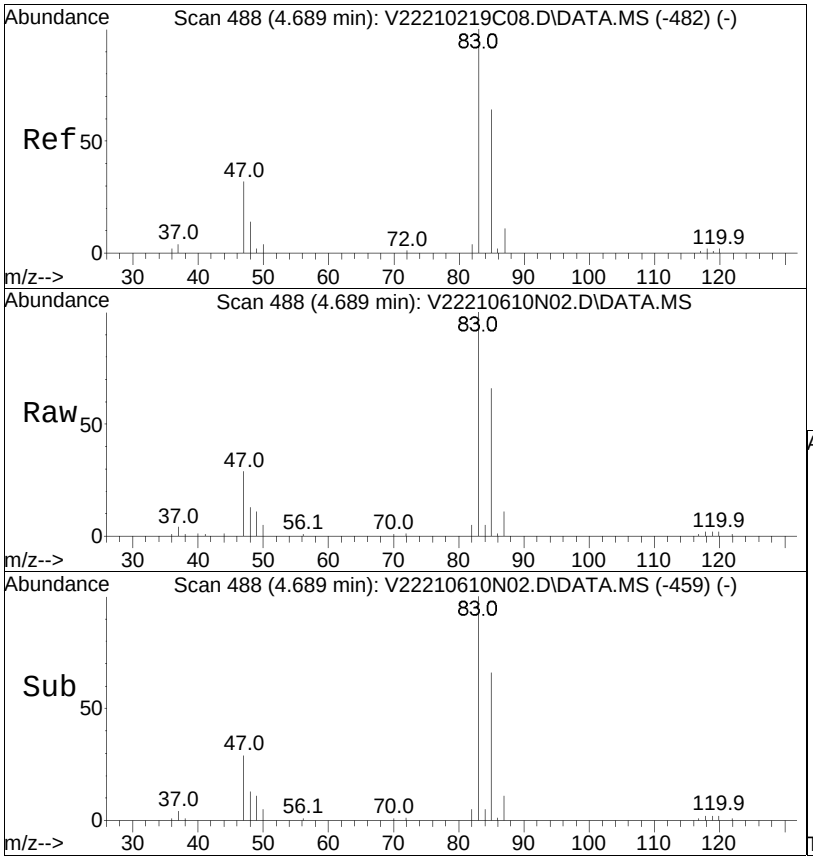


#32
Bromochloromethane
Concen: 10.71 ug/L
RT: 4.613 min Scan# 477
Delta R.T. -0.007 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:128 Resp: 20537

Ion	Ratio	Lower	Upper
128	100		
49	210.8	104.4	156.6#
130	129.5	103.9	155.9

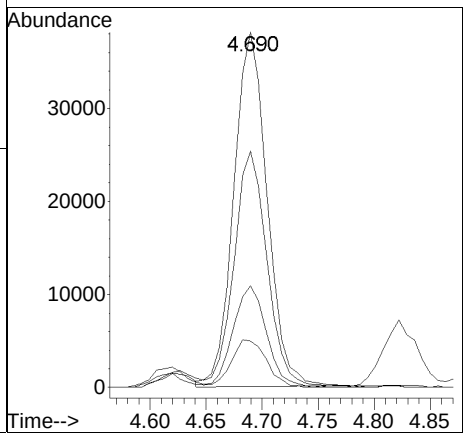


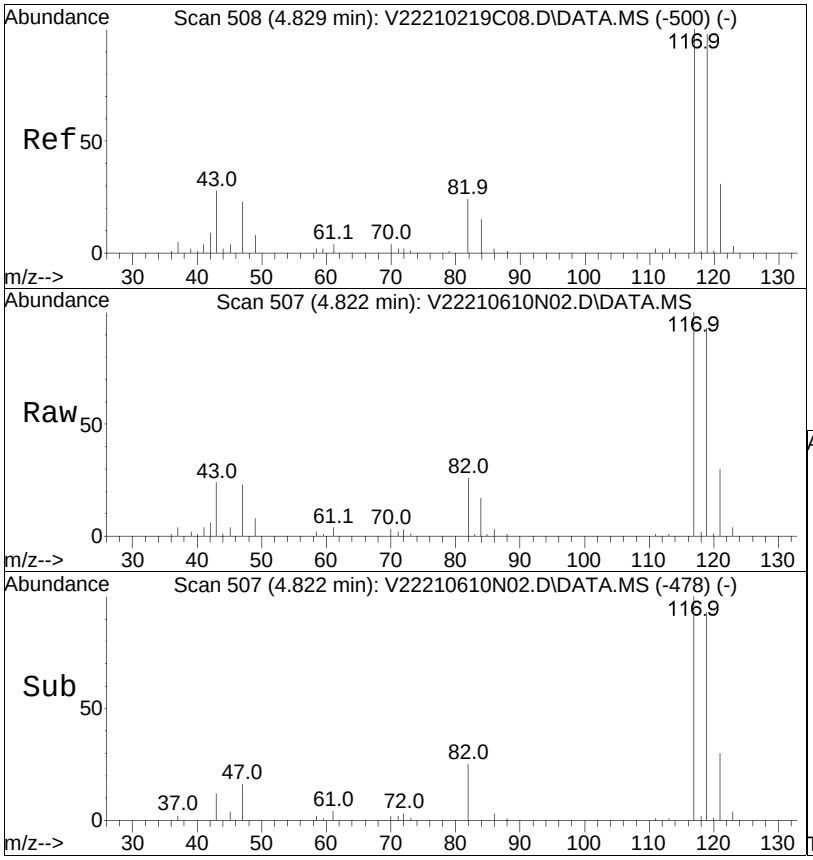


#34
Chloroform
Concen: 9.85 ug/L
RT: 4.689 min Scan# 488
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 83 Resp: 78880

Ion	Ratio	Lower	Upper
83	100		
85	66.6	42.4	88.2
47	28.9	14.0	29.0
48	14.2	6.9	14.3

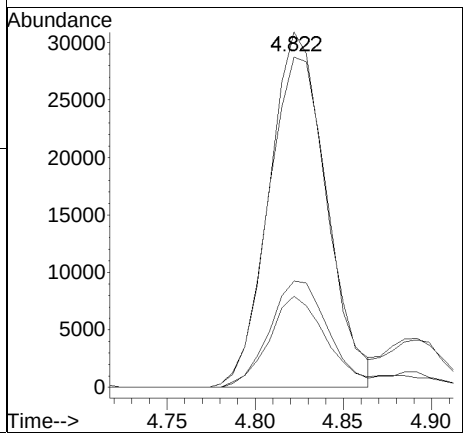


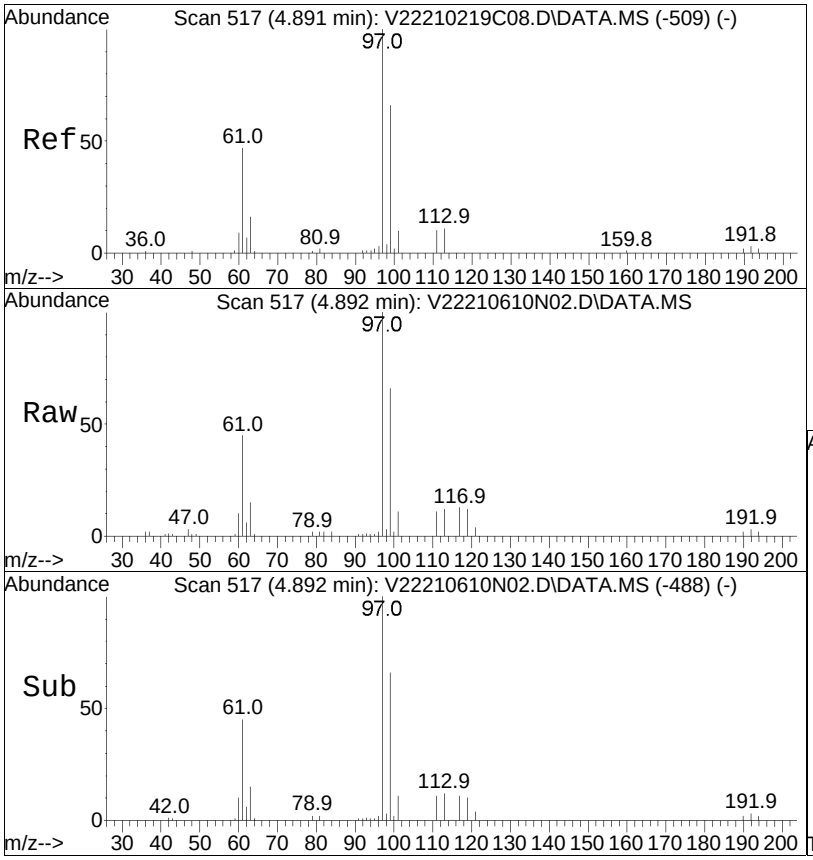


#36
Carbon tetrachloride
Concen: 12.01 ug/L
RT: 4.822 min Scan# 507
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:117 Resp: 69707

Ion	Ratio	Lower	Upper
117	100		
119	96.8	62.1	129.1
121	30.8	20.3	42.3
82	26.6	15.4	32.0

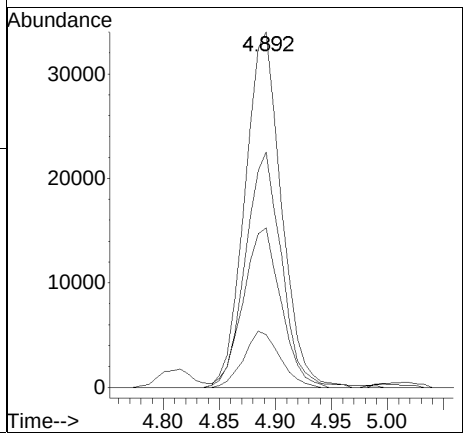


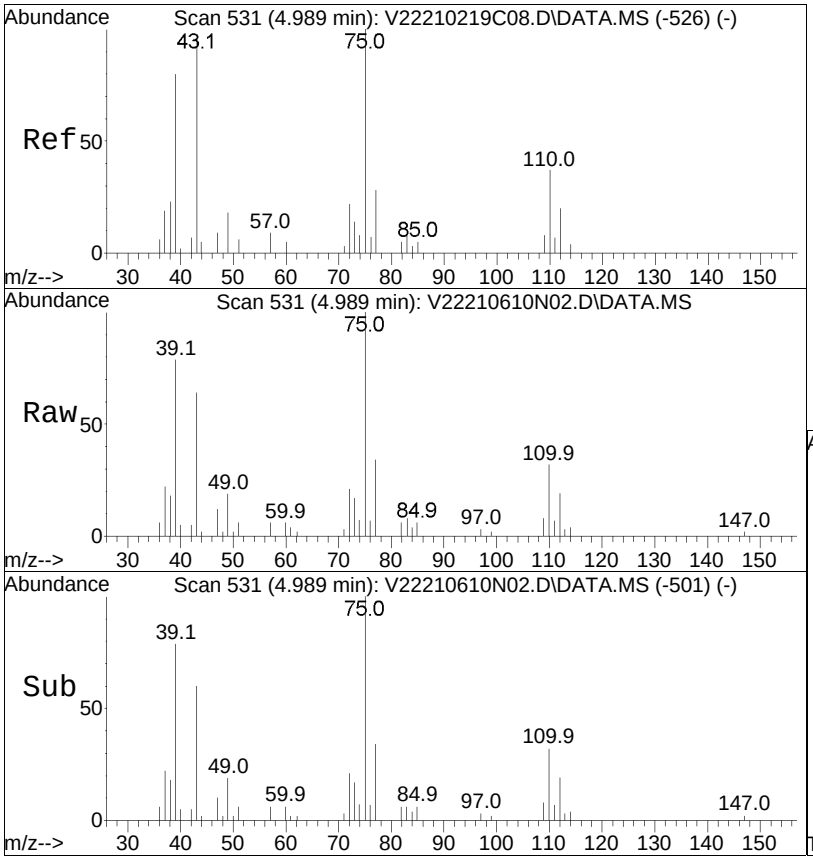


#39
1,1,1-Trichloroethane
Concen: 11.16 ug/L
RT: 4.892 min Scan# 517
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 97 Resp: 77270

Ion	Ratio	Lower	Upper
97	100		
99	65.1	42.4	88.0
61	46.3	26.0	54.0
63	15.6	8.3	17.3

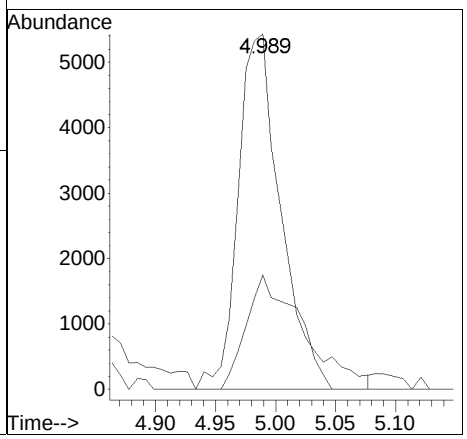


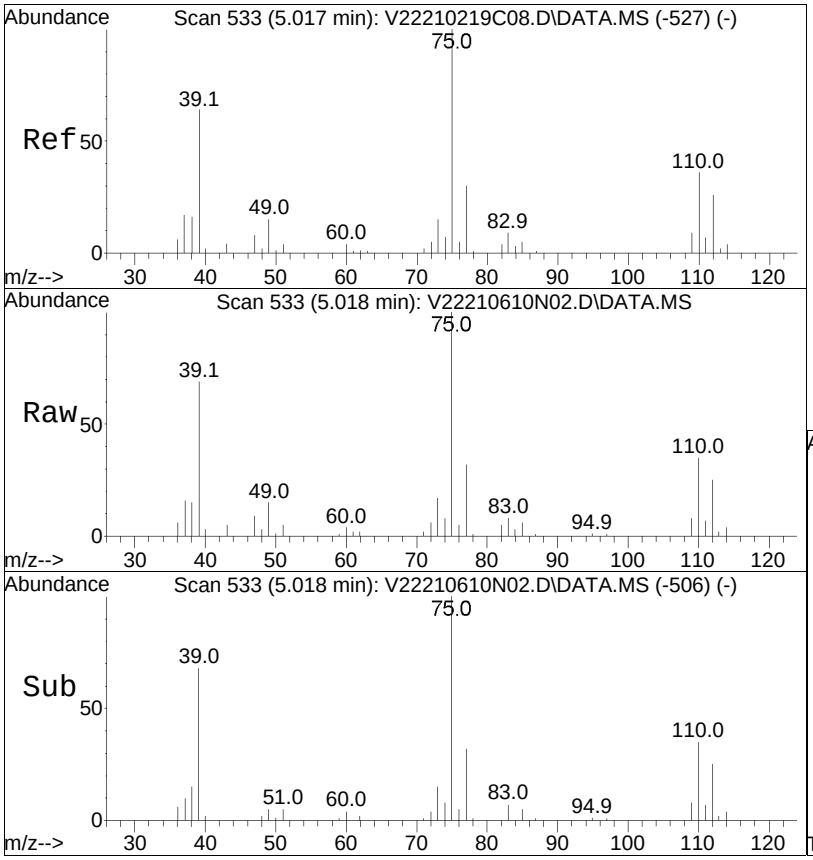


#41
2-Butanone
Concen: 9.81 ug/L
RT: 4.989 min Scan# 531
Delta R.T. 0.007 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 43 Resp: 13663

Ion	Ratio	Lower	Upper
43	100		
72	33.4	45.8	68.8#

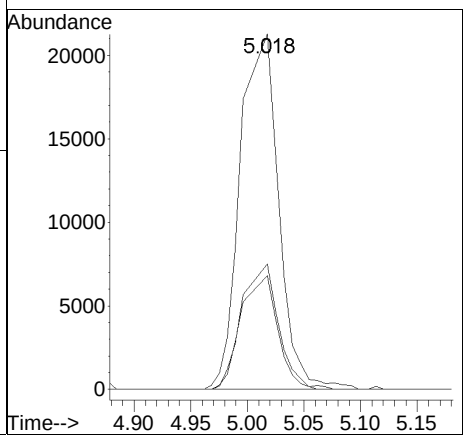


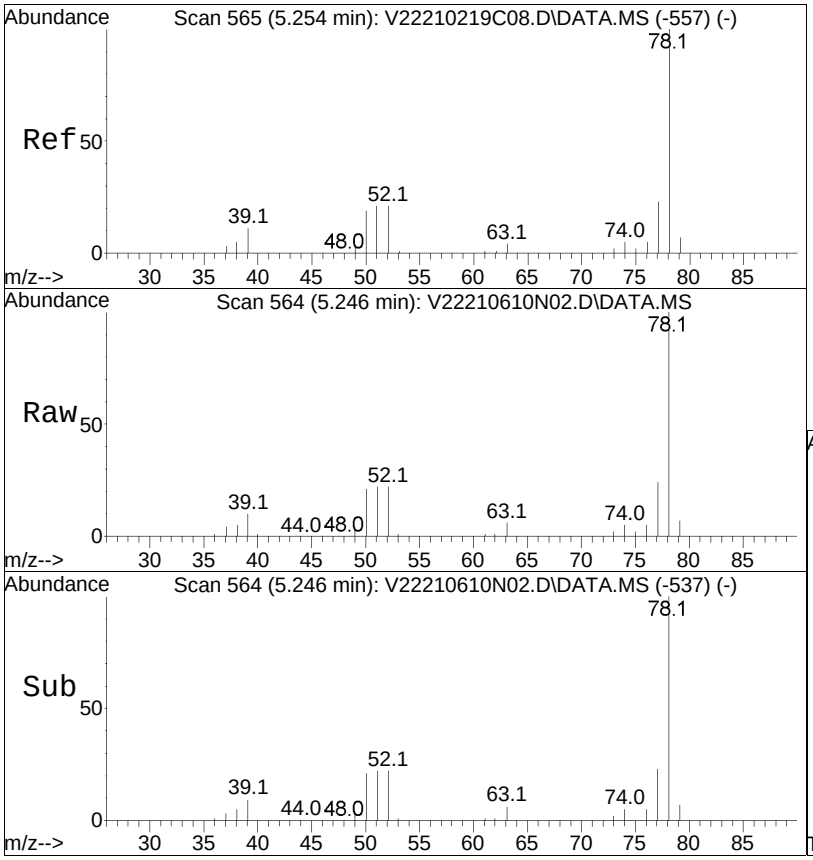


#42
1,1-Dichloropropene
Concen: 9.34 ug/L
RT: 5.018 min Scan# 533
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 75 Resp: 37739

Ion	Ratio	Lower	Upper
75	100		
110	34.8	25.4	52.8
77	31.2	20.3	42.1

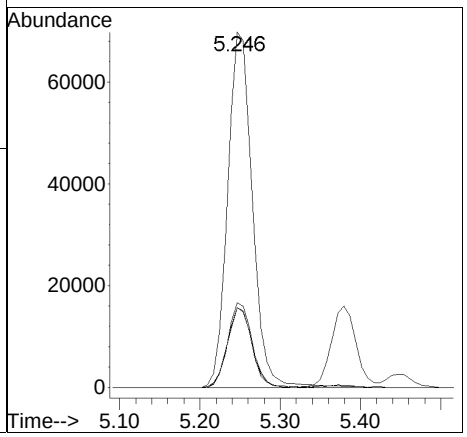


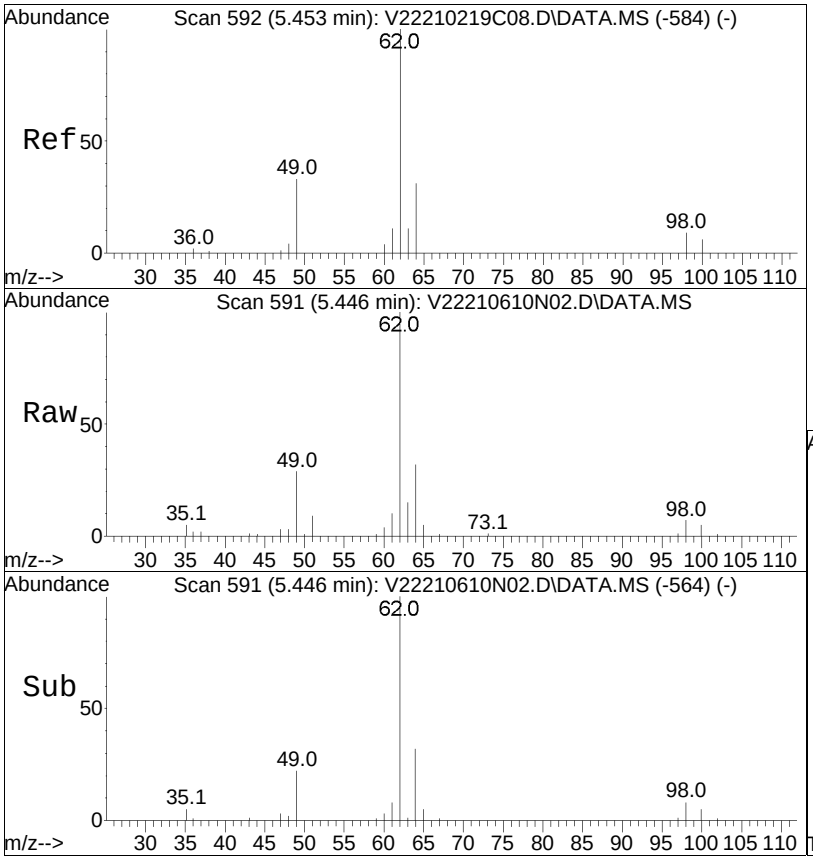


#44
Benzene
Concen: 8.92 ug/L
RT: 5.246 min Scan# 564
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 78 Resp: 149793

Ion	Ratio	Lower	Upper
78	100		
77	23.4	15.4	32.0
51	22.0	9.8	20.4#
52	21.9	9.2	19.2#

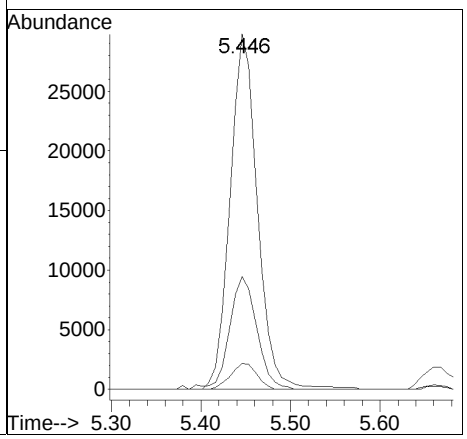


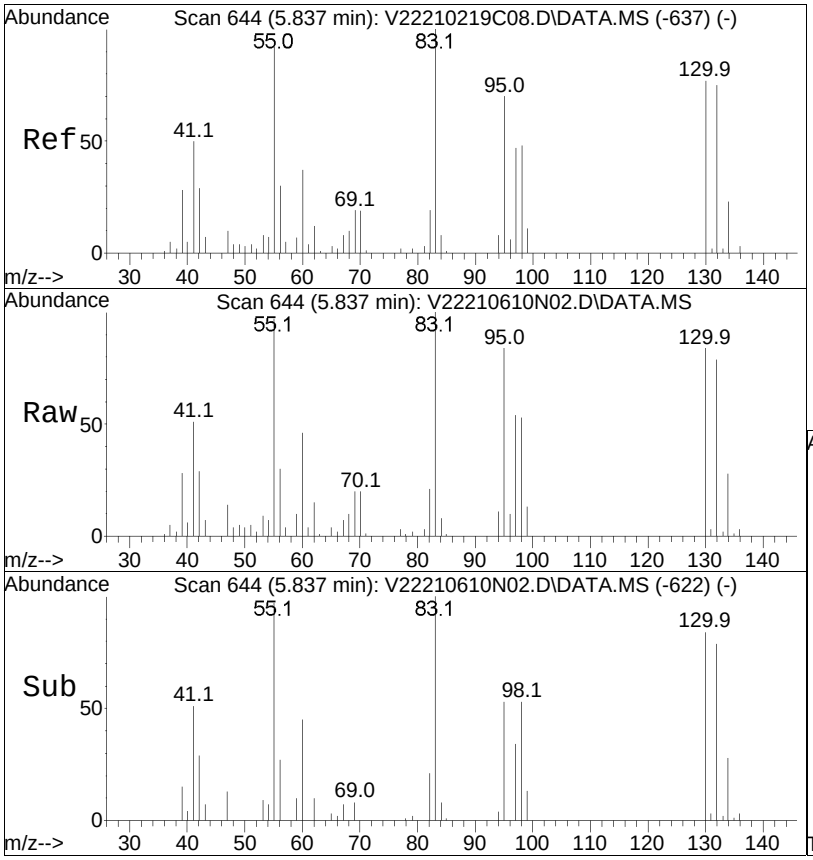


#47
1,2-Dichloroethane
Concen: 10.77 ug/L
RT: 5.446 min Scan# 591
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 62 Resp: 63356

Ion	Ratio	Lower	Upper
62	100		
64	32.0	12.3	52.3
98	7.1	0.0	30.3

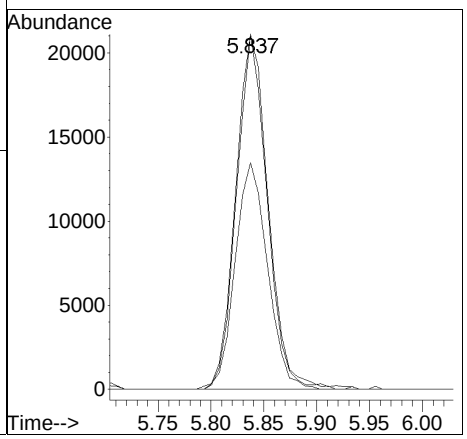


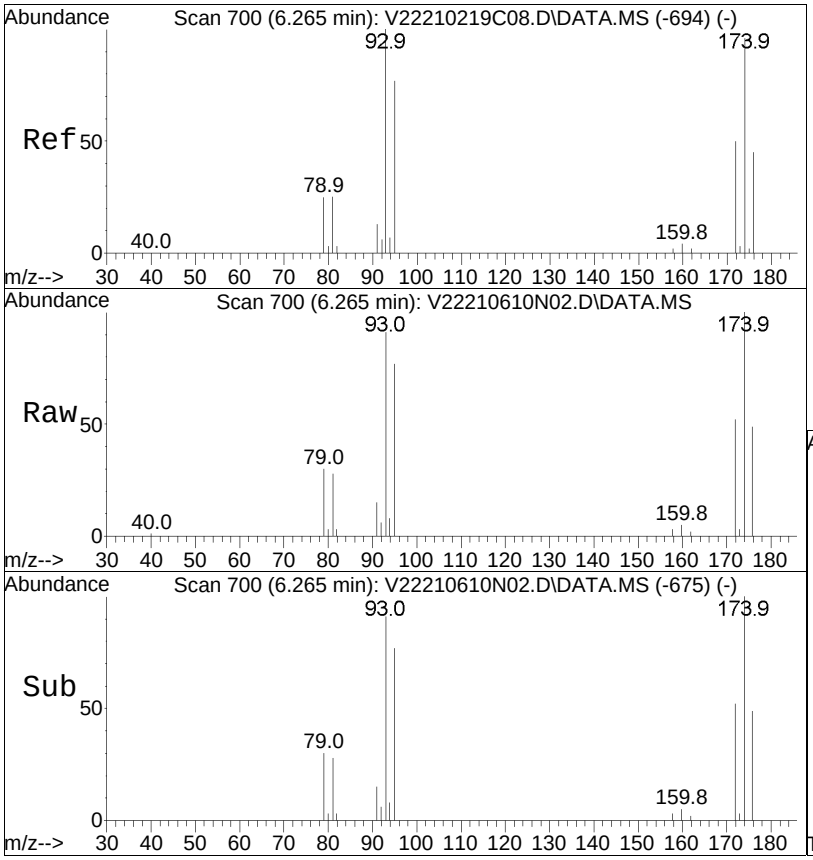


#51
Trichloroethene
Concen: 9.81 ug/L
RT: 5.837 min Scan# 644
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 95 Resp: 43798

Ion	Ratio	Lower	Upper
95	100		
97	65.8	55.0	82.4
130	100.0	89.2	133.8

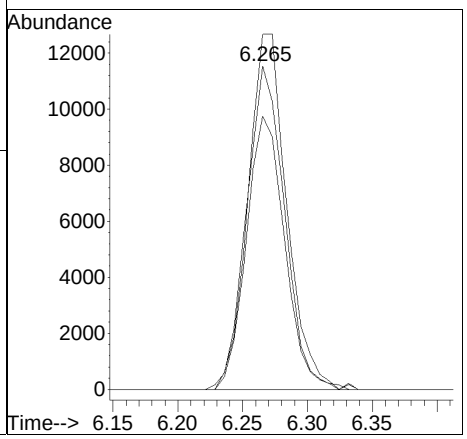


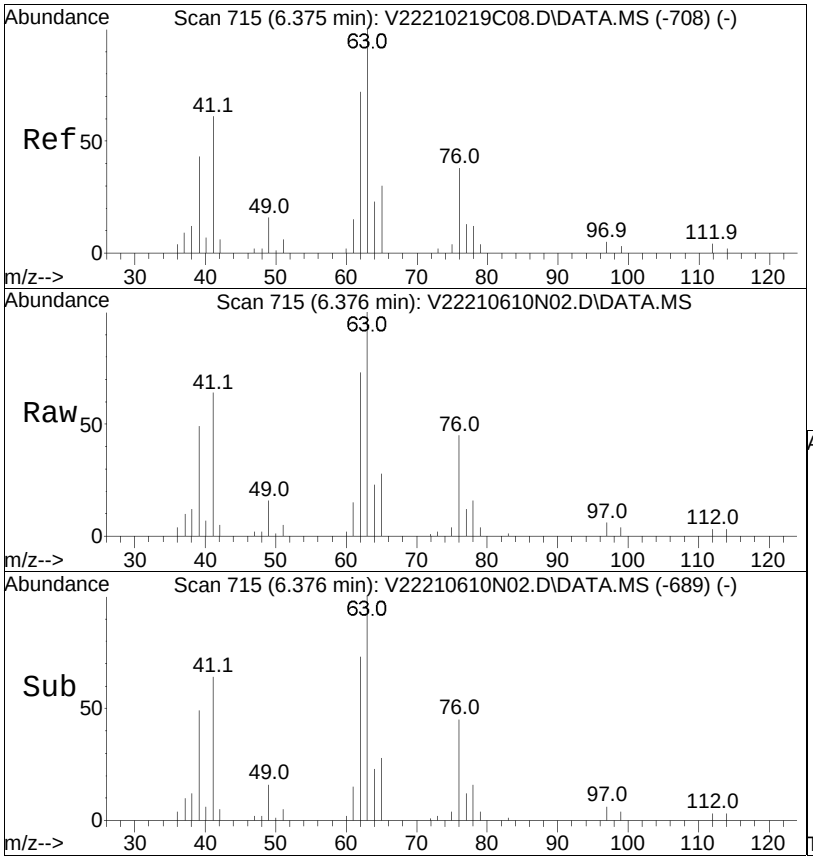


#53
Dibromomethane
Concen: 9.40 ug/L
RT: 6.265 min Scan# 700
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 93 Resp: 23599

Ion	Ratio	Lower	Upper
93	100		
95	85.2	68.0	102.0
174	112.1	106.1	159.1

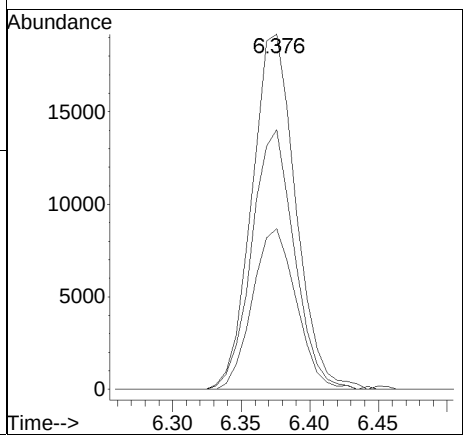


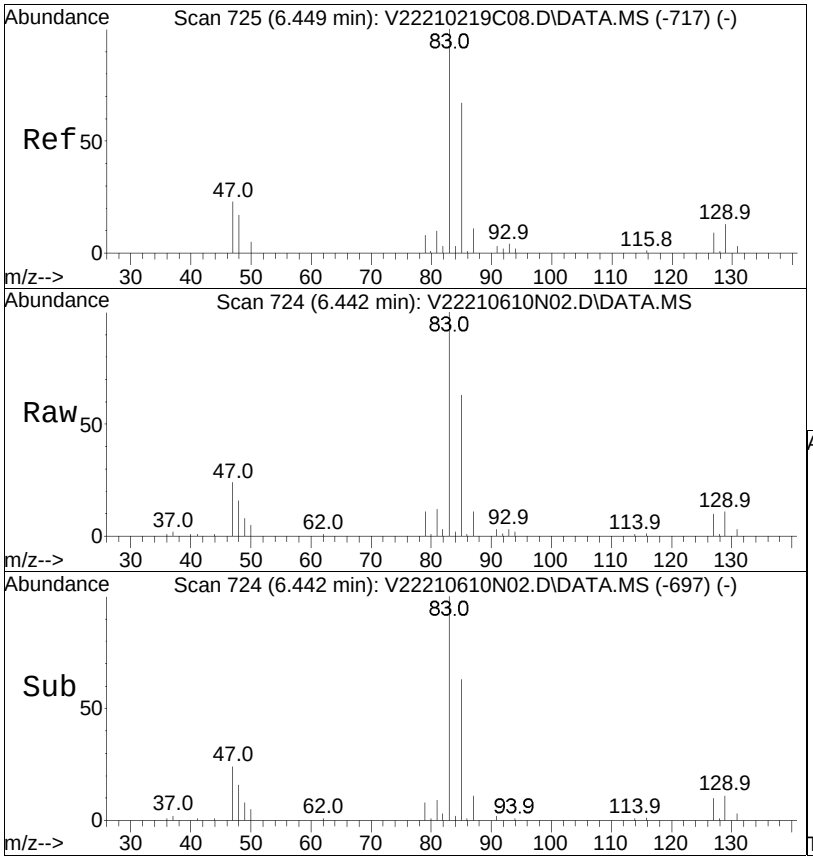


#54
1,2-Dichloropropane
Concen: 9.00 ug/L
RT: 6.376 min Scan# 715
Delta R.T. 0.008 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 63 Resp: 42704

Ion	Ratio	Lower	Upper
63	100		
62	71.2	56.9	85.3
76	45.2	35.8	53.8

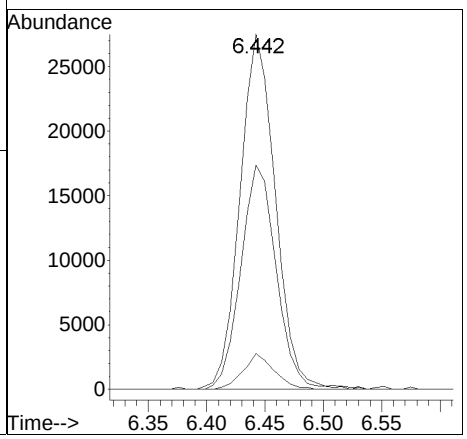


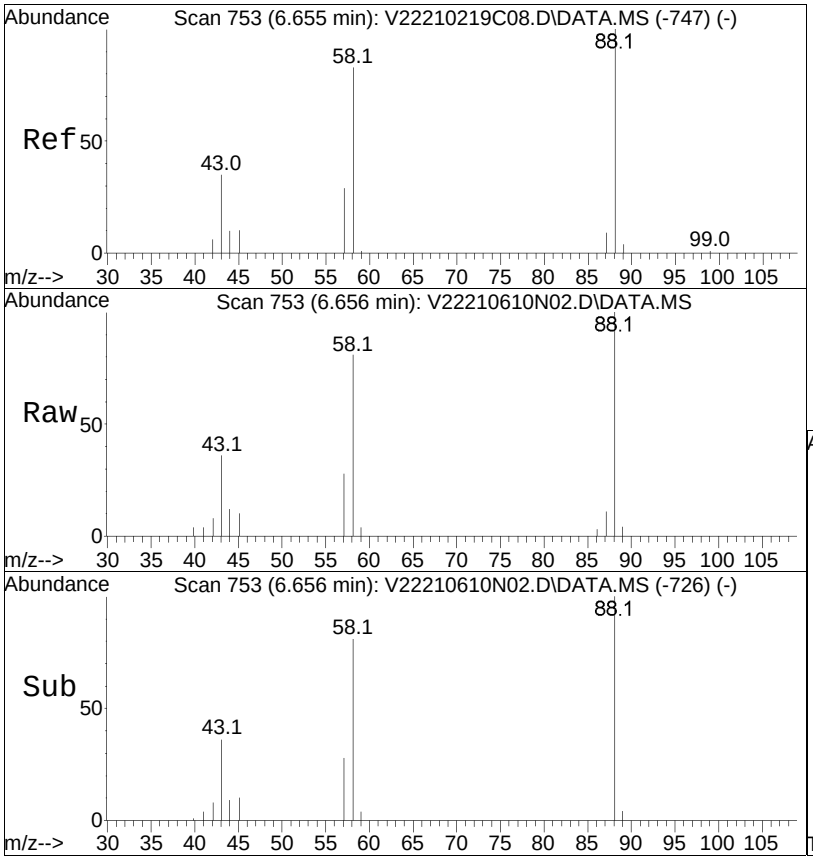


#57
Bromodichloromethane
Concen: 9.91 ug/L
RT: 6.442 min Scan# 724
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 83 Resp: 58235

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.6	77.4
127	8.9	7.4	11.0

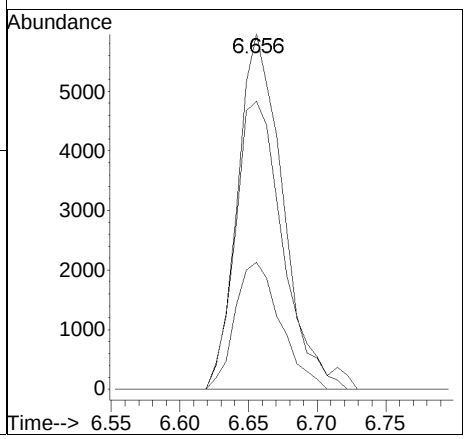


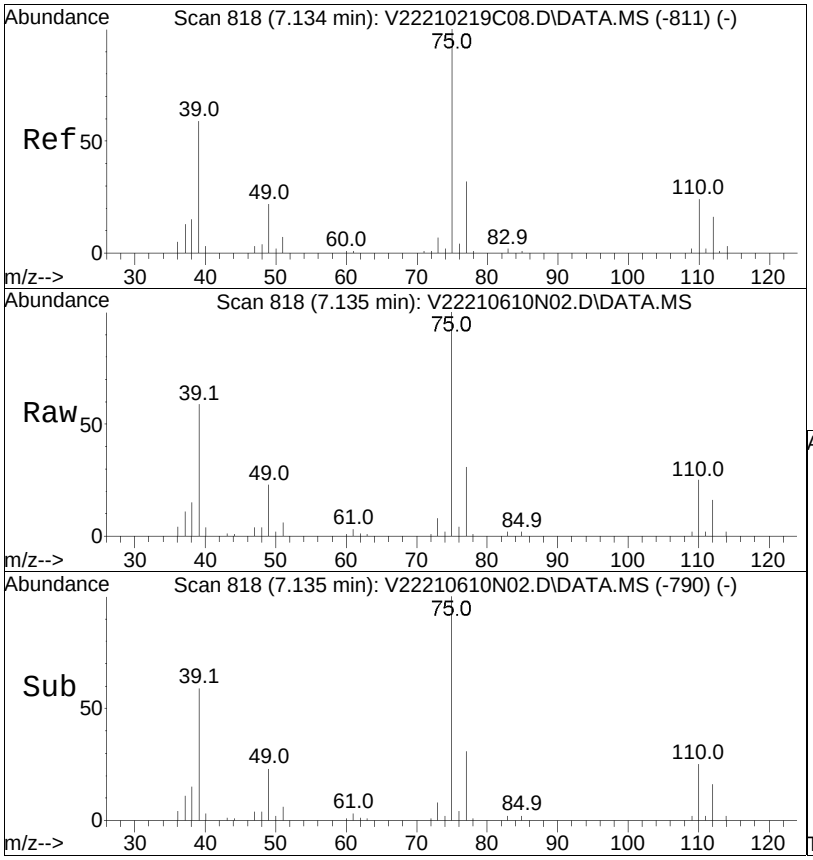


#60
1,4-Dioxane
Concen: 490.16 ug/L
RT: 6.656 min Scan# 753
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 88 Resp: 13763

Ion	Ratio	Lower	Upper
88	100		
58	84.1	43.3	64.9#
43	35.7	15.1	22.7#

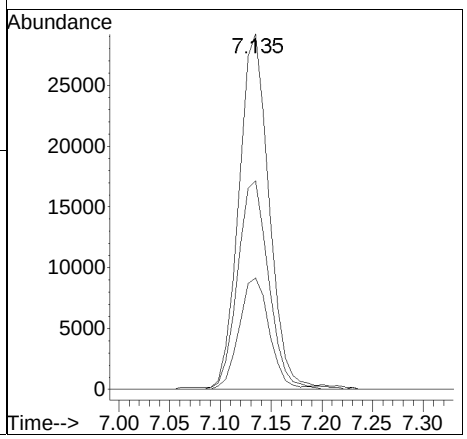


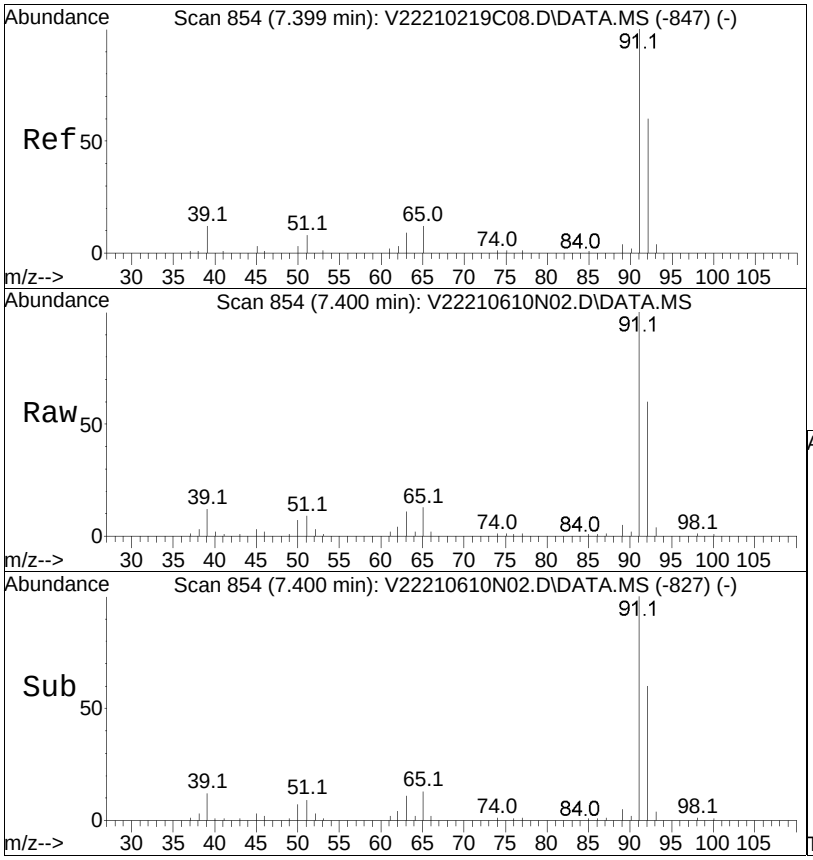


#61
cis-1,3-Dichloropropene
Concen: 9.20 ug/L
RT: 7.135 min Scan# 818
Delta R.T. 0.008 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 75 Resp: 61034

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.6	38.4
39	60.8	35.4	53.0#

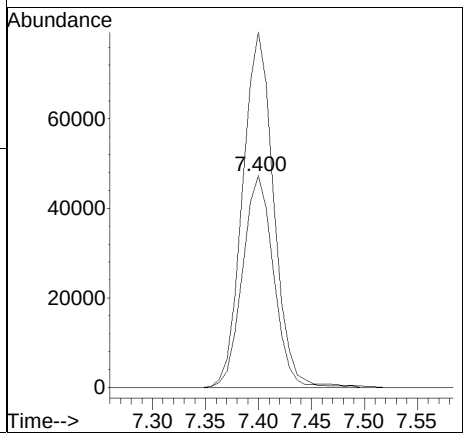


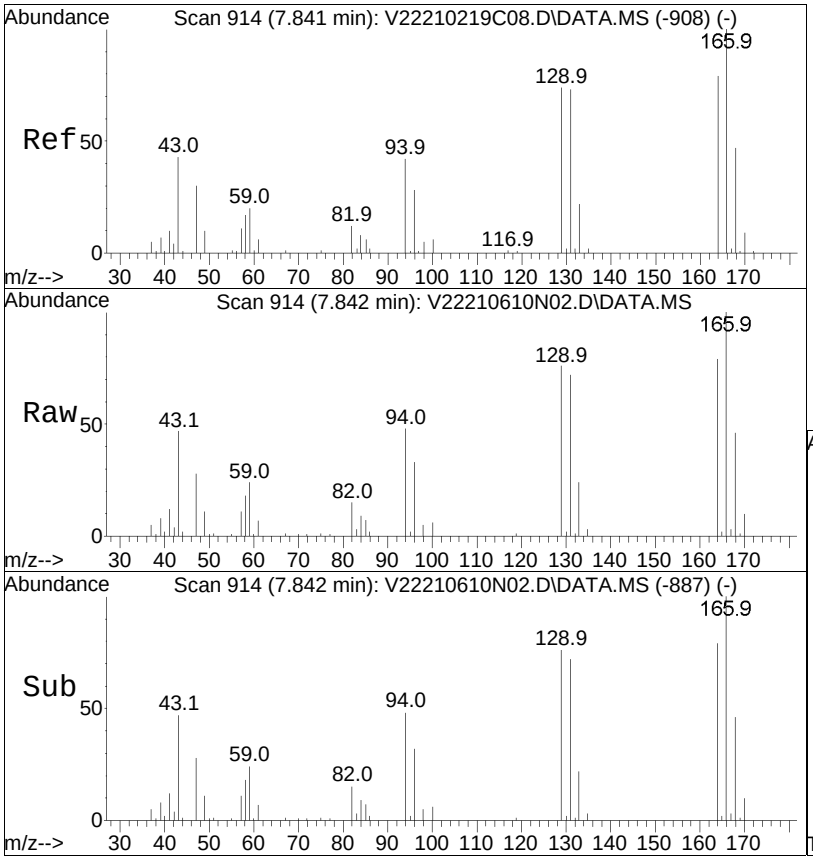


#64
Toluene
Concen: 8.86 ug/L
RT: 7.400 min Scan# 854
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 92 Resp: 96351

Ion	Ratio	Lower	Upper
92	100		
91	167.9	137.0	205.6

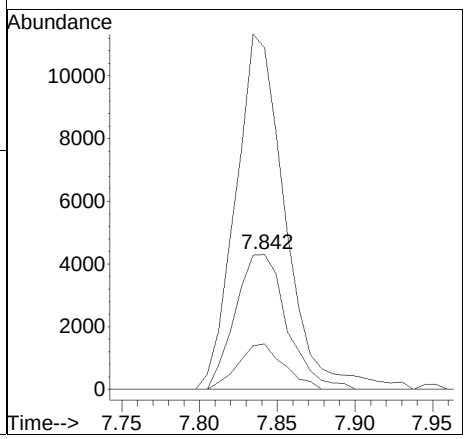


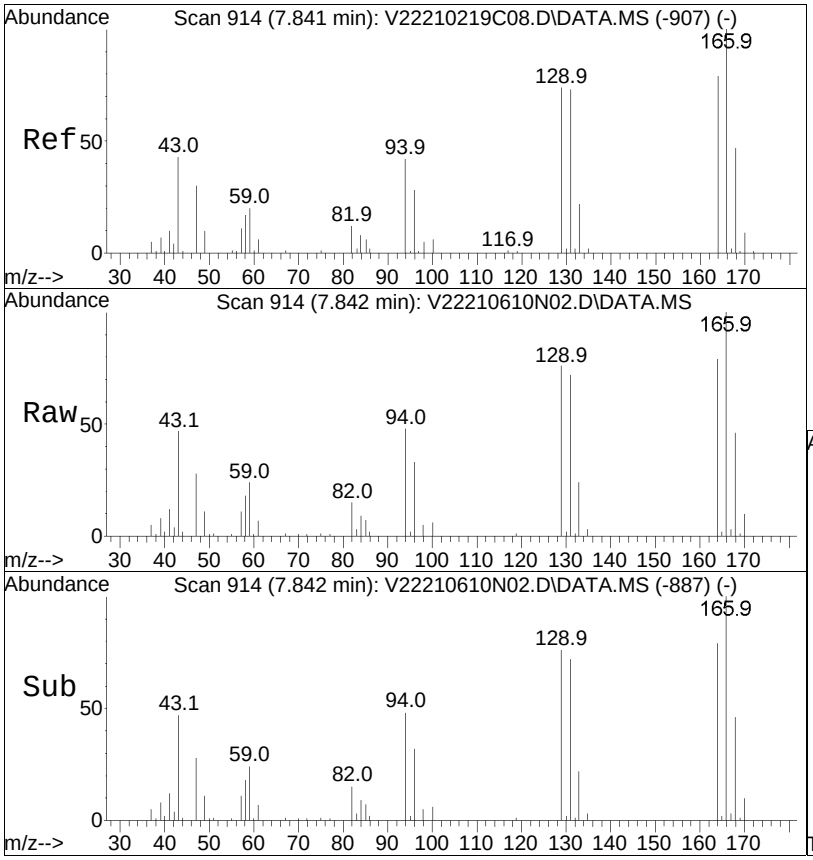


#65
4-Methyl-2-pentanone
Concen: 9.18 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 58 Resp: 9948

Ion	Ratio	Lower	Upper
58	100		
100	30.2	36.2	54.4#
43	253.3	181.8	272.8

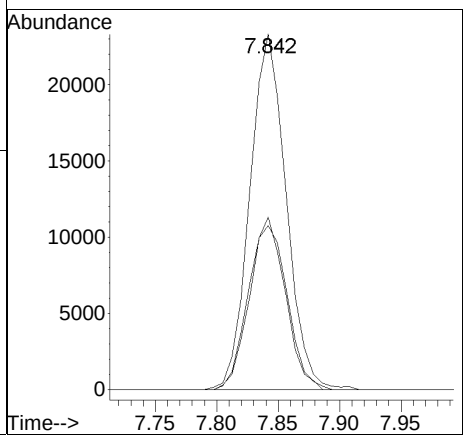


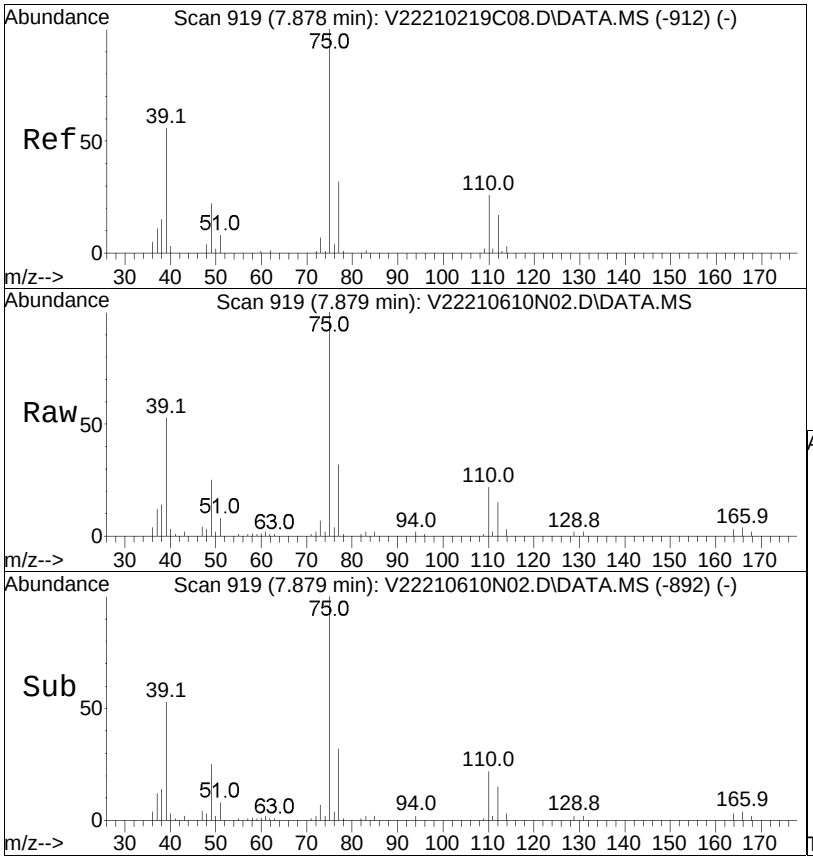


#66
Tetrachloroethene
Concen: 10.87 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:166 Resp: 47861

Ion	Ratio	Lower	Upper
166	100		
168	48.7	27.8	67.8
94	48.7	16.7	56.7

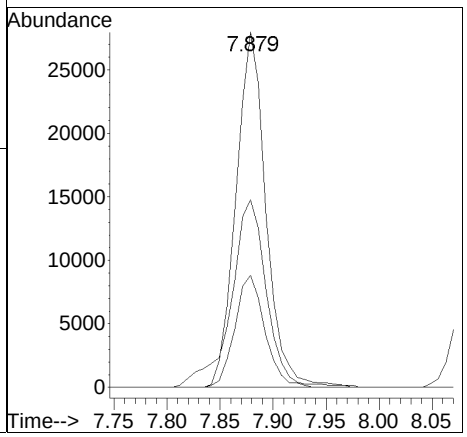


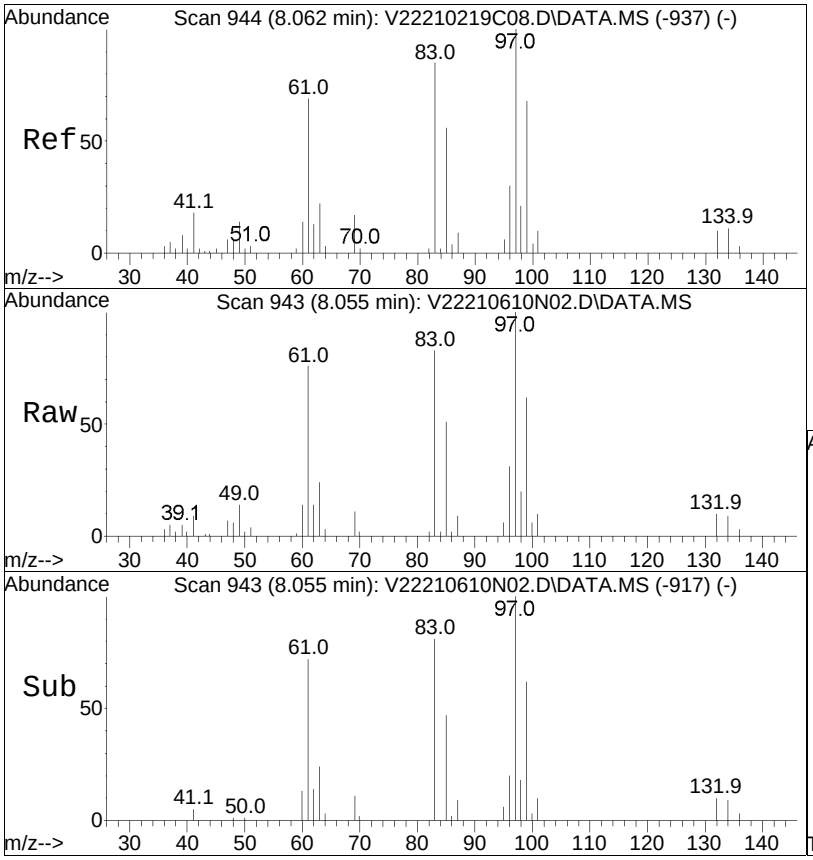


#68
trans-1,3-Dichloropropene
Concen: 8.46 ug/L
RT: 7.879 min Scan# 919
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 75 Resp: 55268

Ion	Ratio	Lower	Upper
75	100		
77	31.4	11.9	51.9
39	62.3	27.4	67.4

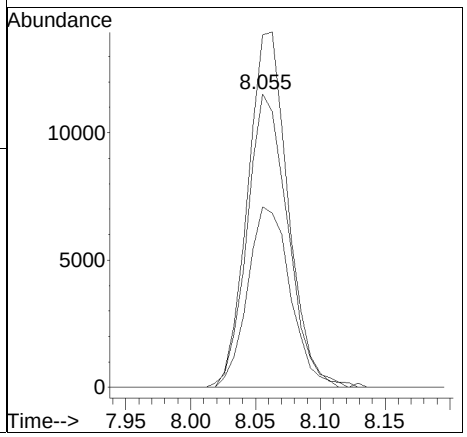


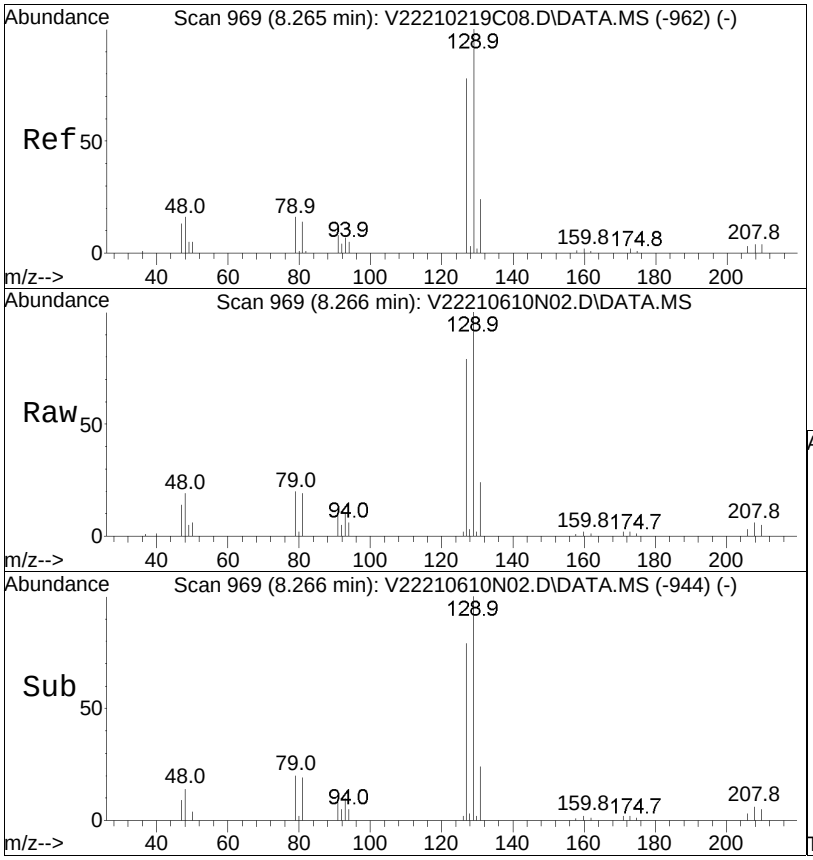


#71
1,1,2-Trichloroethane
Concen: 8.86 ug/L
RT: 8.055 min Scan# 943
Delta R.T. -0.008 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 83 Resp: 25247

Ion	Ratio	Lower	Upper
83	100		
97	119.7	103.4	143.4
85	64.3	47.9	87.9

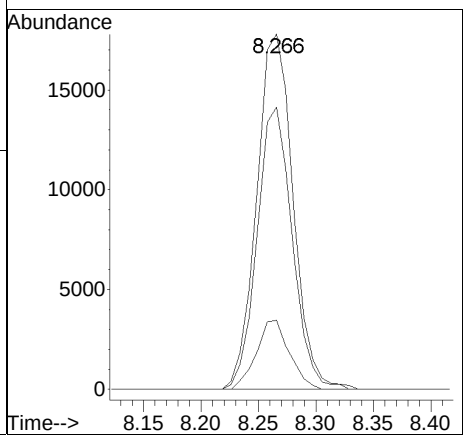


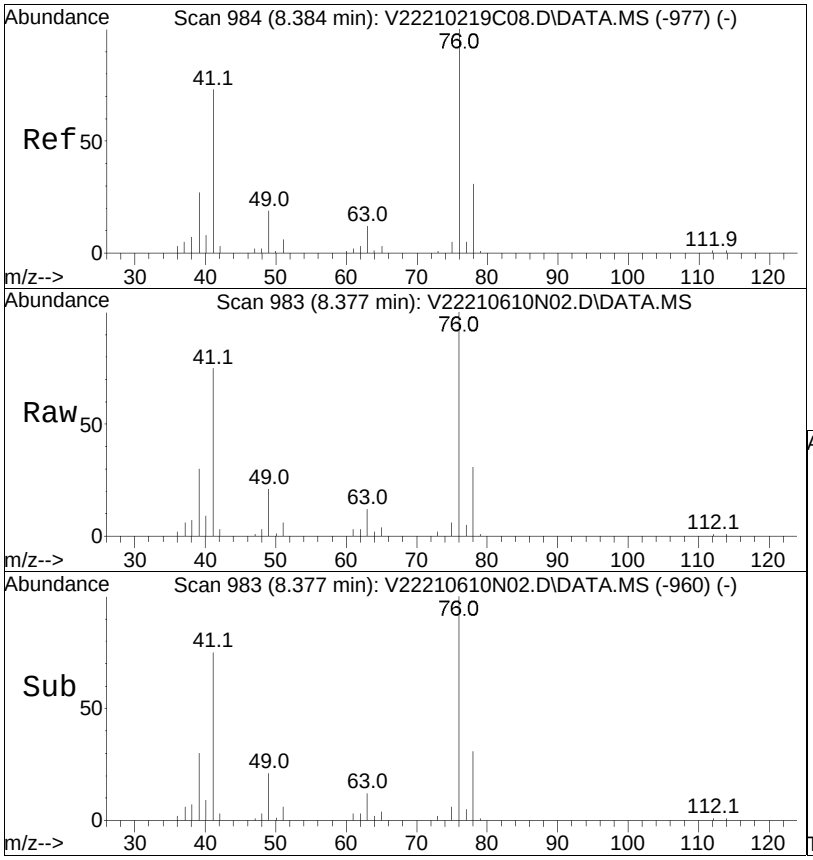


#72
Chlorodibromomethane
Concen: 10.70 ug/L
RT: 8.266 min Scan# 969
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:129 Resp: 43564

Ion	Ratio	Lower	Upper
129	100		
81	16.0	0.0	33.8
127	77.0	57.1	97.1

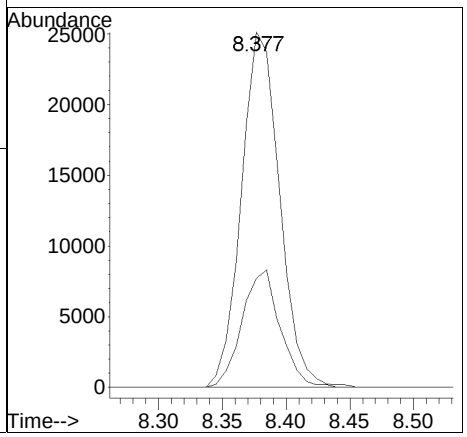


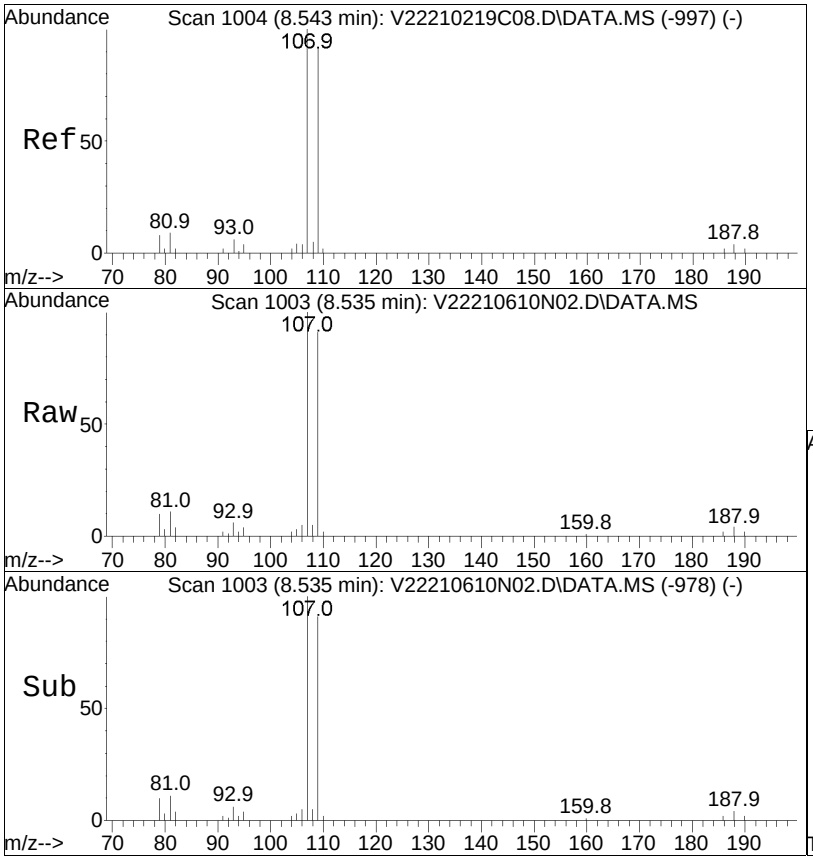


#73
1,3-Dichloropropane
Concen: 8.71 ug/L
RT: 8.377 min Scan# 983
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 76 Resp: 52475

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.7	38.5

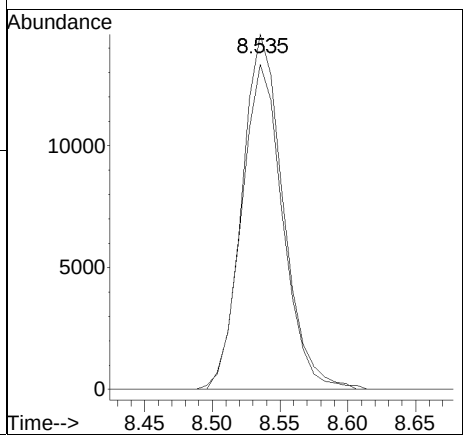


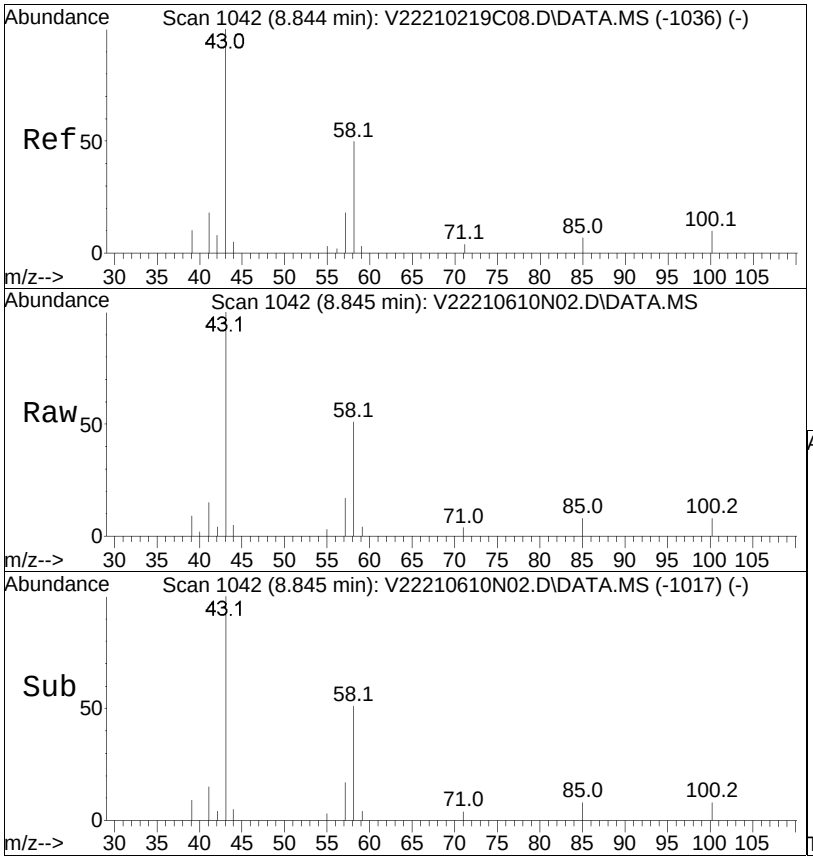


#74
1,2-Dibromoethane
Concen: 9.83 ug/L
RT: 8.535 min Scan# 1003
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:107 Resp: 30845

Ion	Ratio	Lower	Upper
107	100		
109	91.8	75.1	112.7

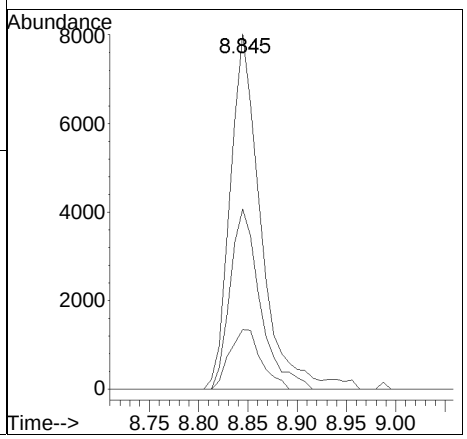


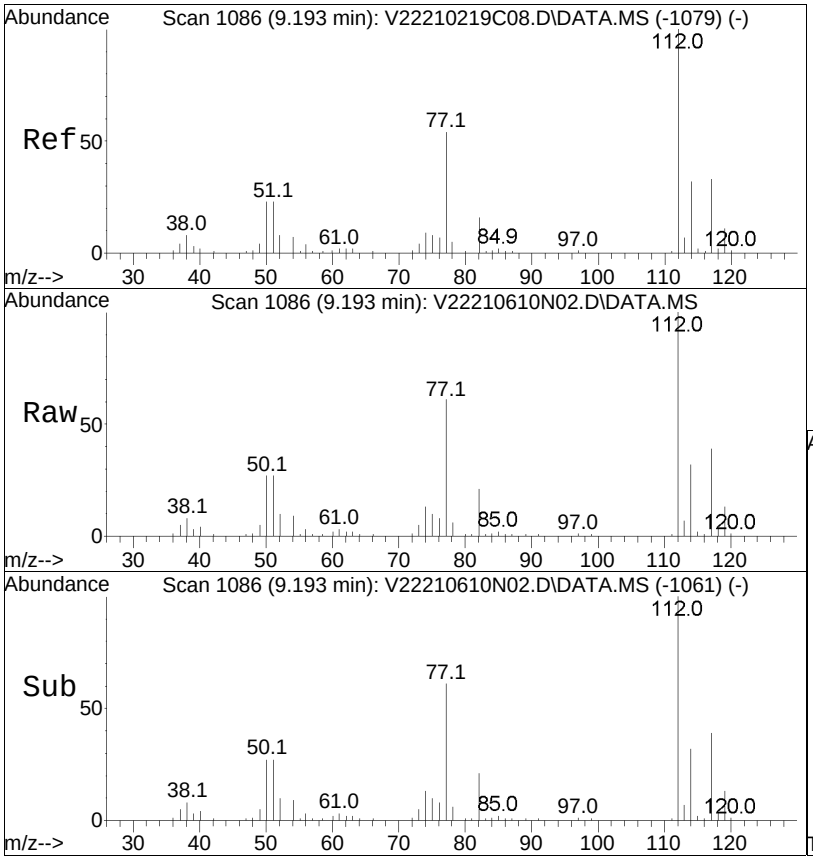


#76
2-Hexanone
Concen: 9.19 ug/L
RT: 8.845 min Scan# 1042
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 43 Resp: 17532

Ion	Ratio	Lower	Upper
43	100		
58	49.7	47.6	71.4
57	17.3	16.6	24.8

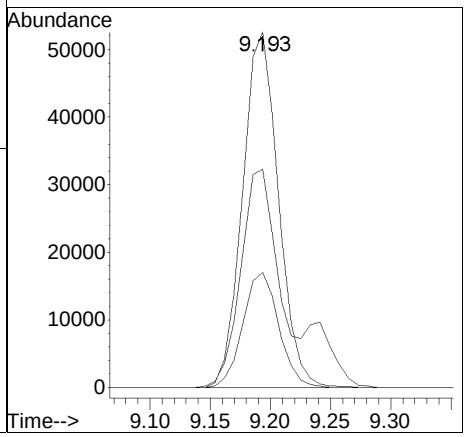


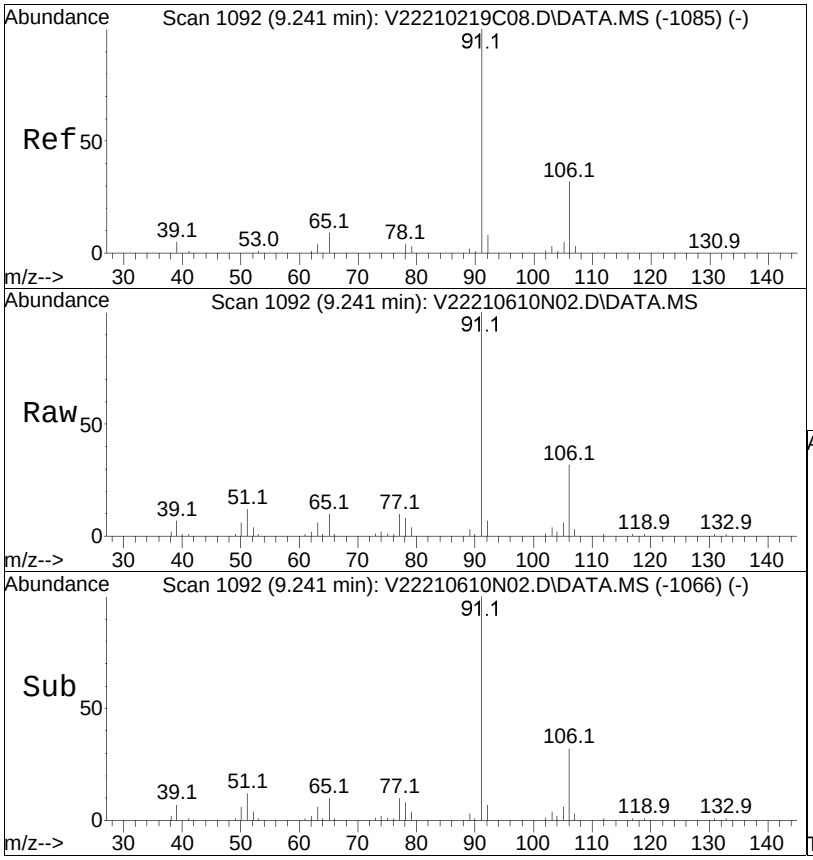


#77
Chlorobenzene
Concen: 8.93 ug/L
RT: 9.193 min Scan# 1086
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:112 Resp: 108840

Ion	Ratio	Lower	Upper
112	100		
77	65.2	55.4	83.0
114	32.3	26.2	39.4

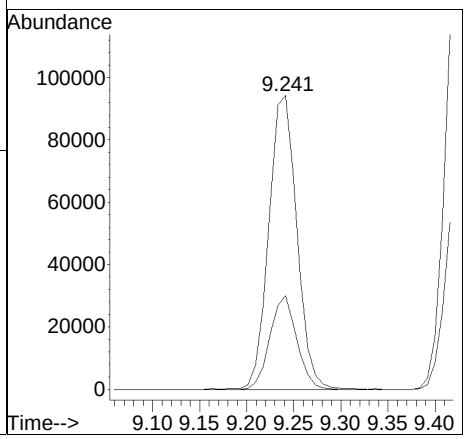


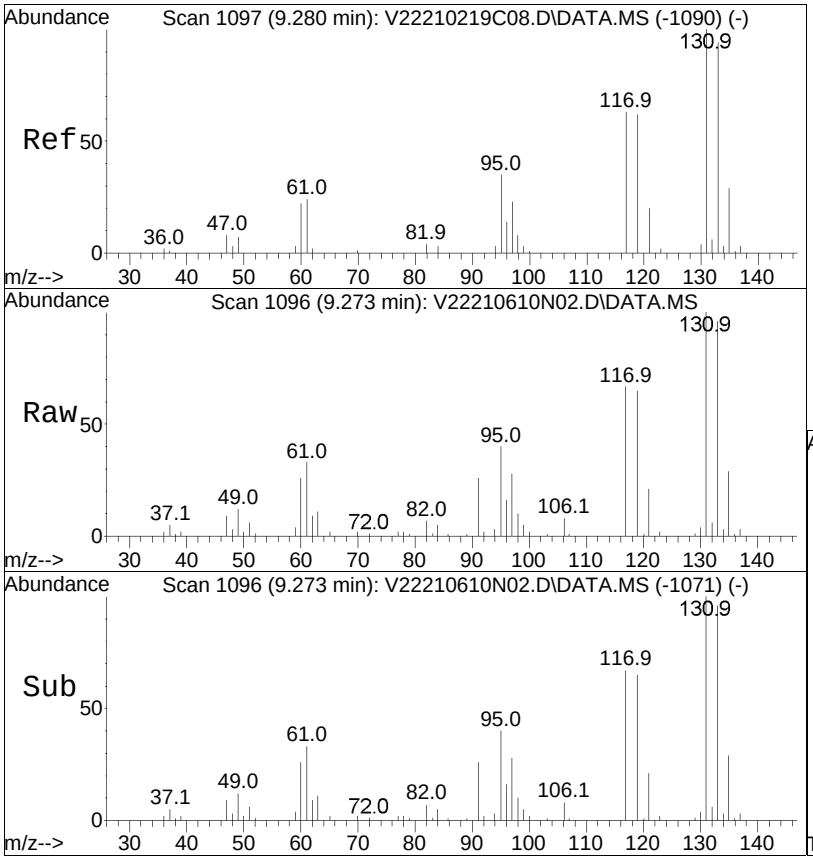


#78
Ethylbenzene
Concen: 9.14 ug/L
RT: 9.241 min Scan# 1092
Delta R.T. 0.008 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 91 Resp: 195266

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.8	38.6

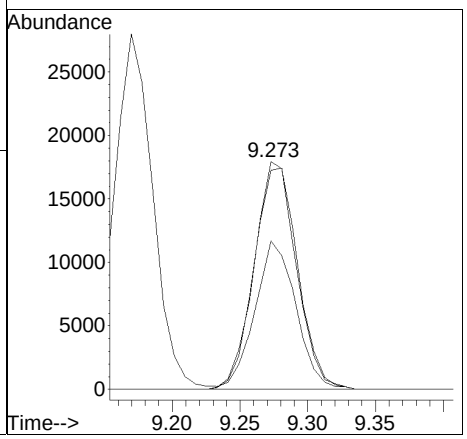


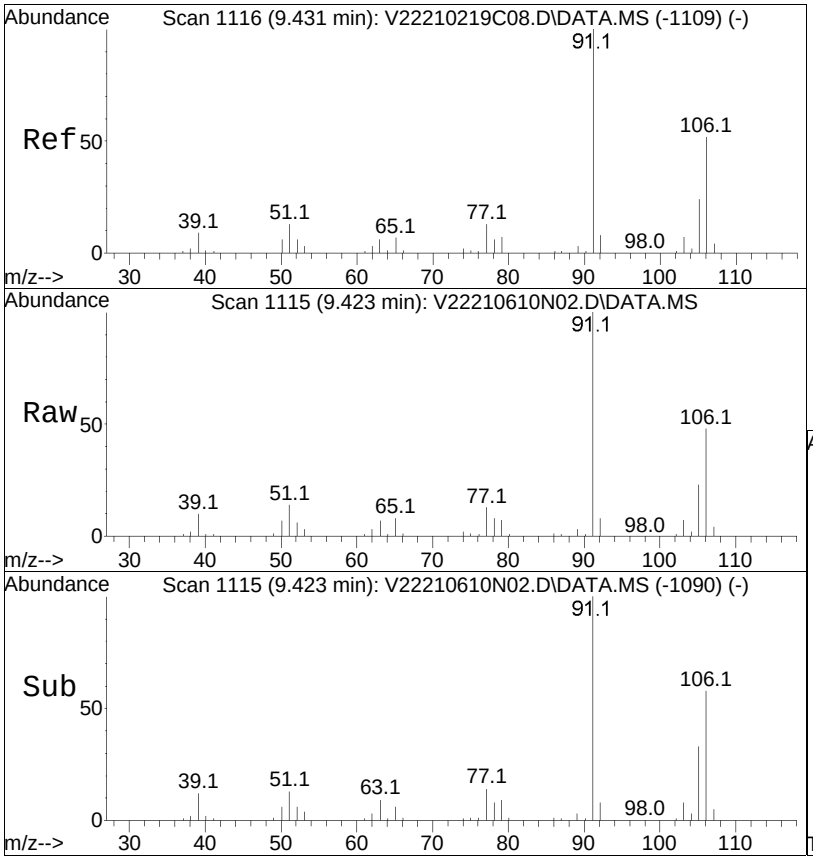


#79
1,1,1,2-Tetrachloroethane
Concen: 9.95 ug/L
RT: 9.273 min Scan# 1096
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:131 Resp: 39860

Ion	Ratio	Lower	Upper
131	100		
133	96.4	75.3	115.3
119	61.7	49.3	89.3

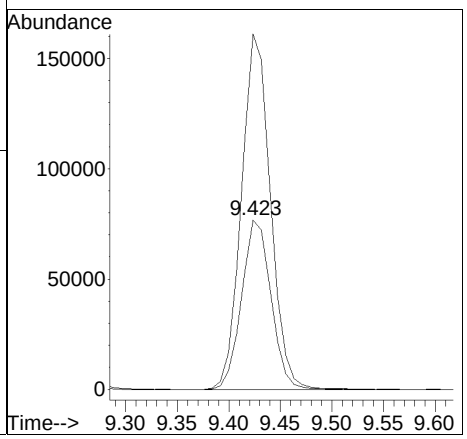


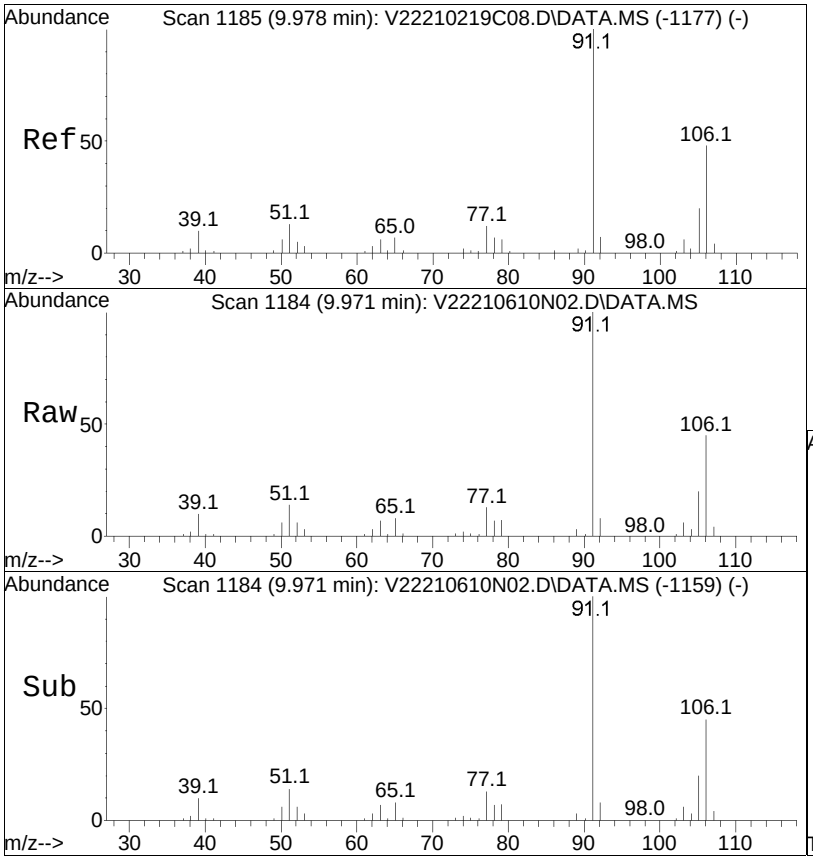


#80
p/m Xylene
Concen: 18.19 ug/L
RT: 9.423 min Scan# 1115
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:106 Resp: 151817

Ion	Ratio	Lower	Upper
106	100		
91	207.1	156.0	234.0

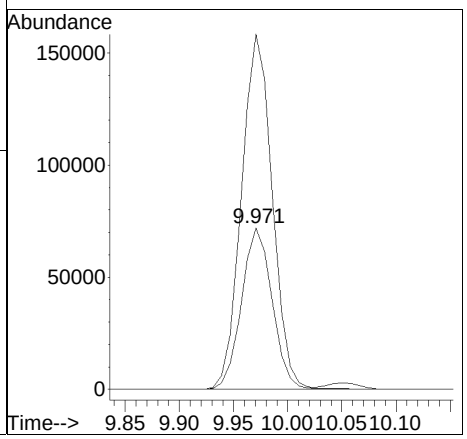


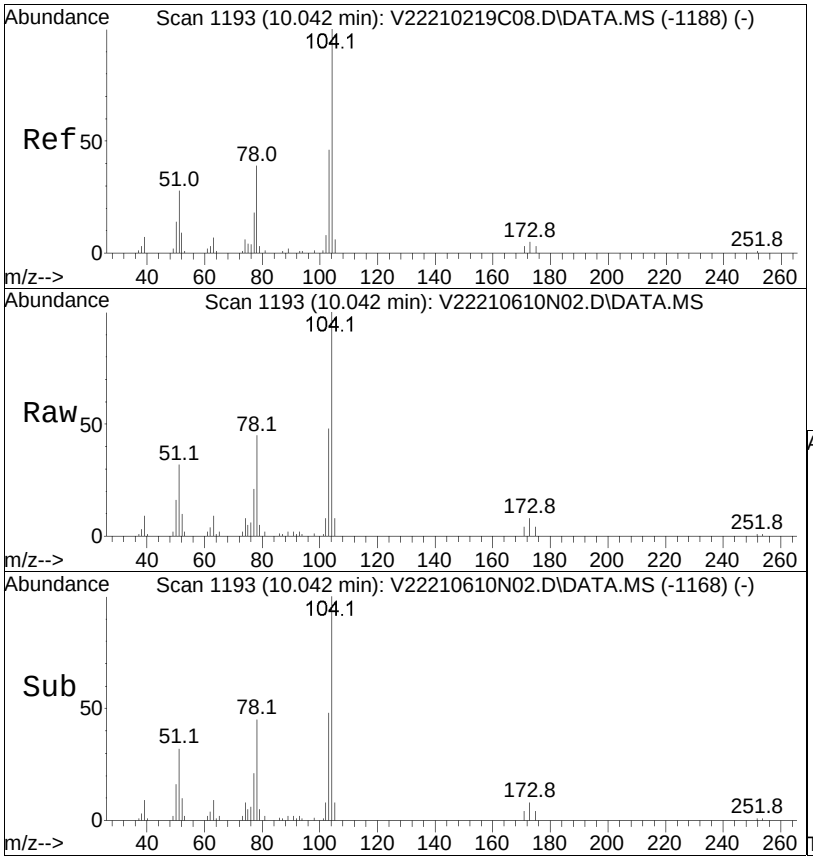


#81
o Xylene
Concen: 18.00 ug/L
RT: 9.971 min Scan# 1184
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:106 Resp: 141945

Ion	Ratio	Lower	Upper
106	100		
91	219.9	164.0	246.0

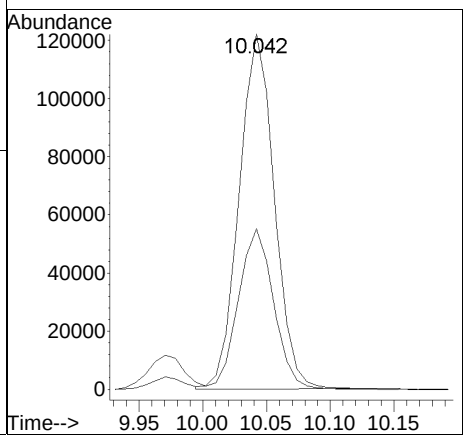


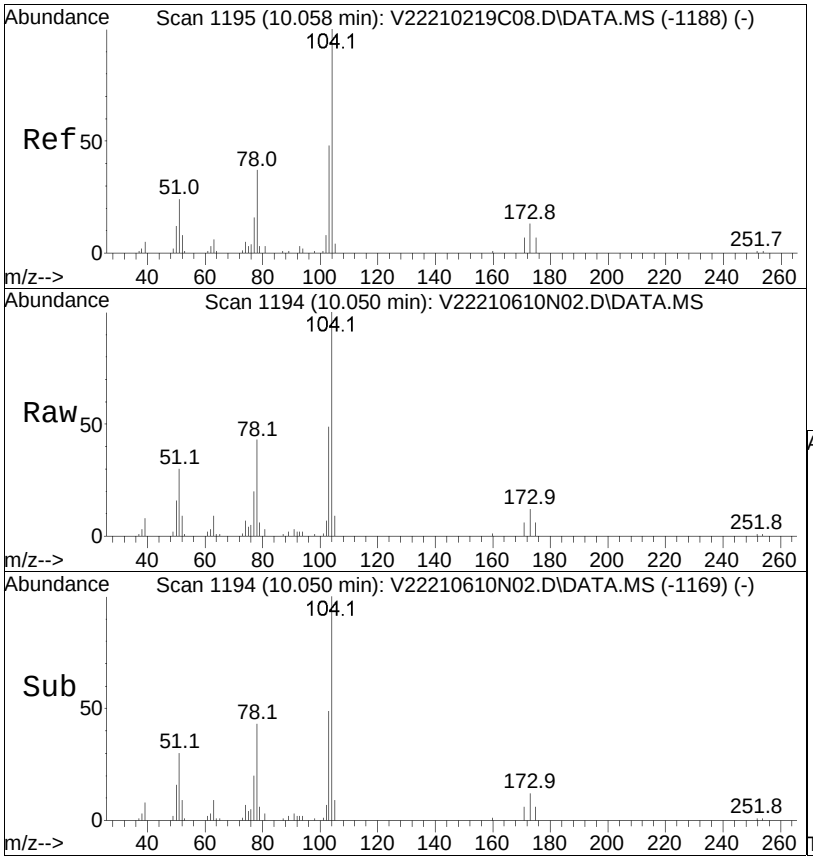


#82
Styrene
Concen: 18.38 ug/L
RT: 10.042 min Scan# 1193
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:104 Resp: 233884

Ion	Ratio	Lower	Upper
104	100		
78	45.6	32.1	48.1

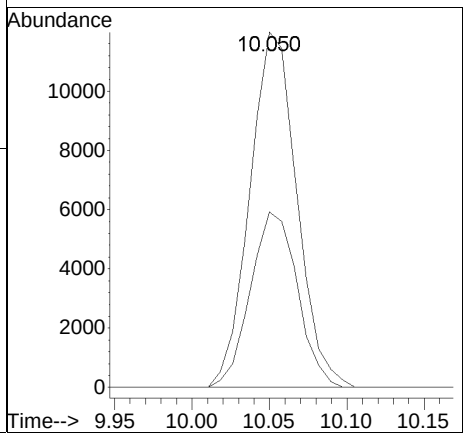


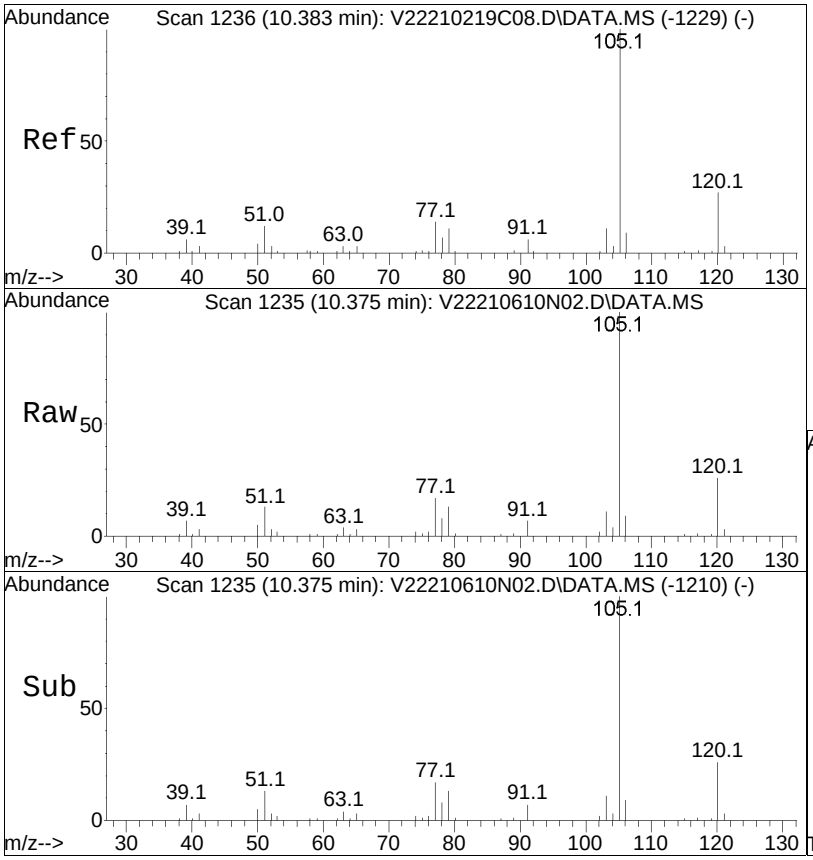


#84
Bromoform
Concen: 10.52 ug/L
RT: 10.050 min Scan# 1194
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:173 Resp: 25336

Ion	Ratio	Lower	Upper
173	100		
175	49.3	29.3	69.3

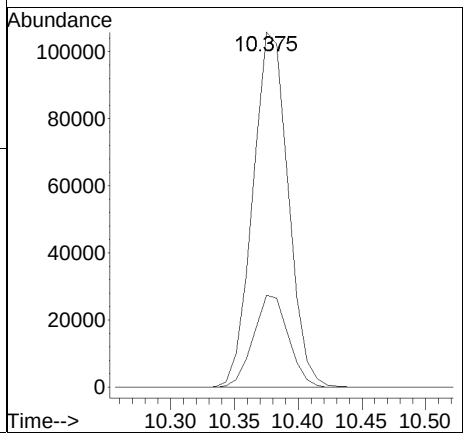


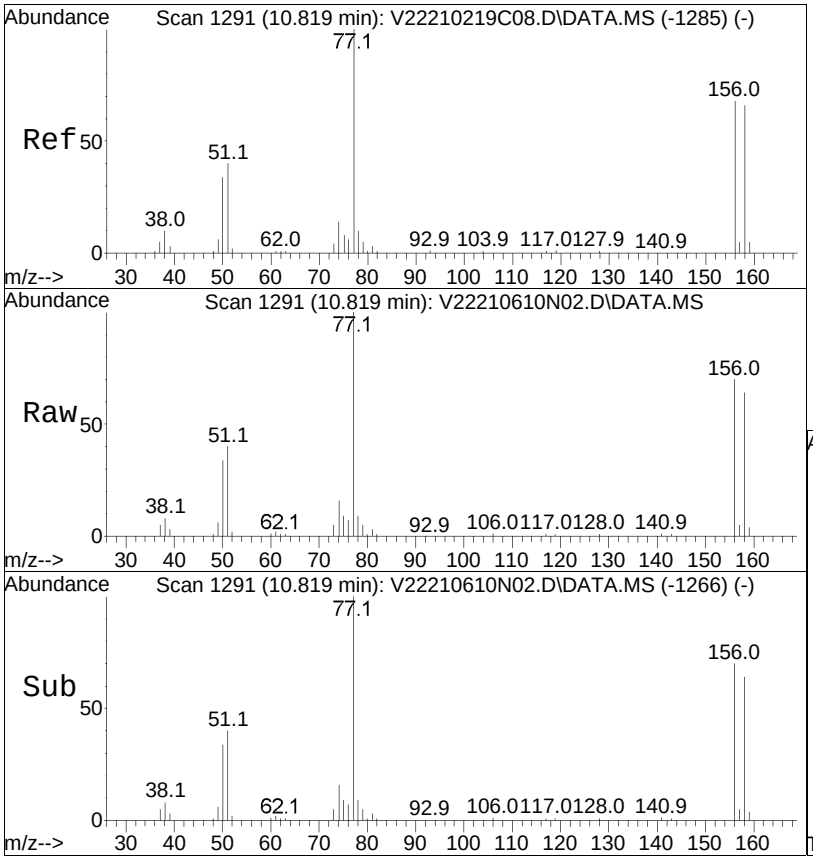


#86
Isopropylbenzene
Concen: 8.48 ug/L
RT: 10.375 min Scan# 1235
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:105 Resp: 204402

Ion	Ratio	Lower	Upper
105	100		
120	25.7	7.7	47.7

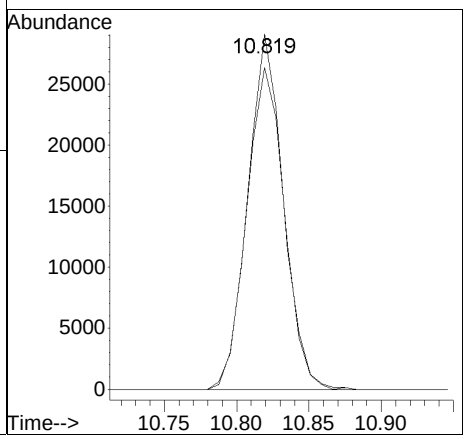


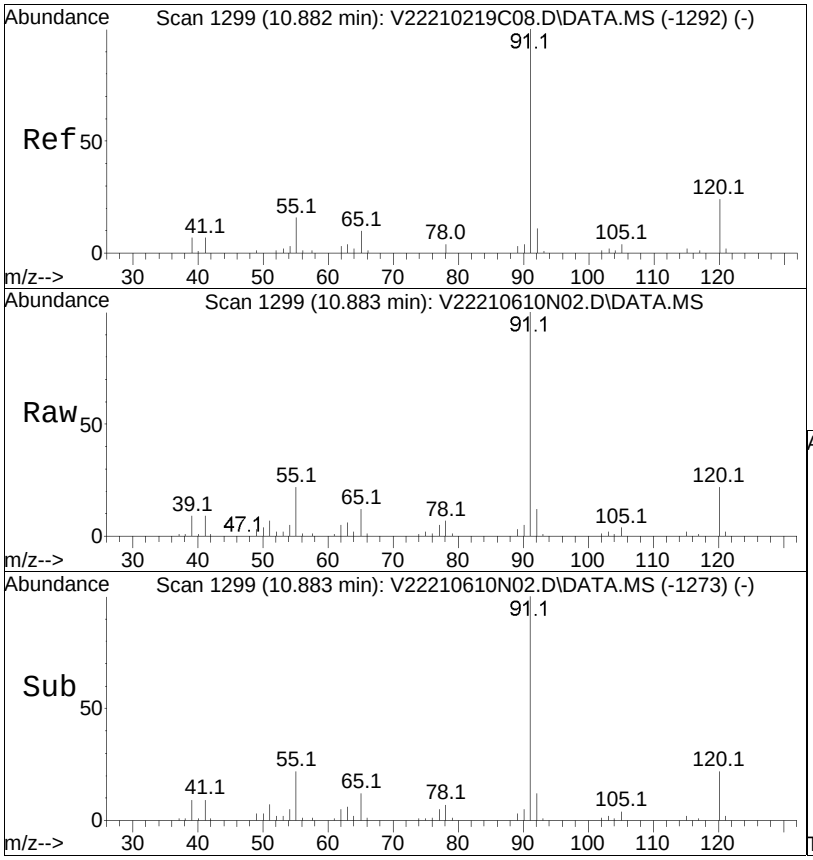


#88
Bromobenzene
Concen: 9.65 ug/L
RT: 10.819 min Scan# 1291
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:156 Resp: 49898

Ion	Ratio	Lower	Upper
156	100		
158	96.0	77.9	116.9

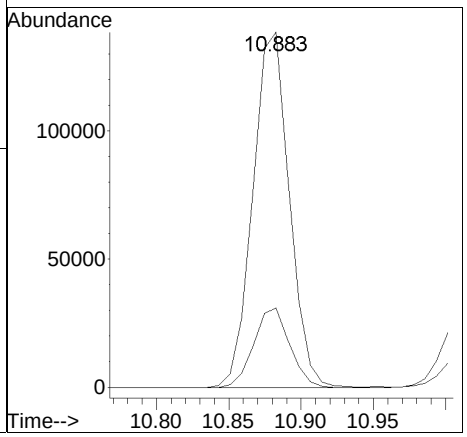


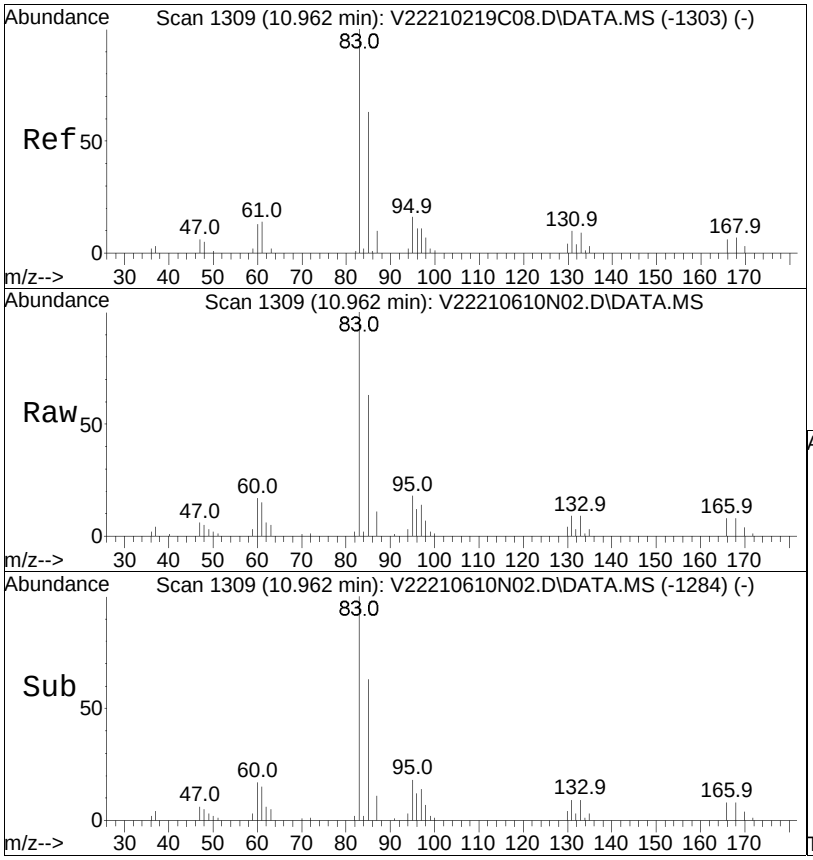


#89
n-Propylbenzene
Concen: 8.07 ug/L
RT: 10.883 min Scan# 1299
Delta R.T. 0.008 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 91 Resp: 242755

Ion	Ratio	Lower	Upper
91	100		
120	22.0	19.5	29.3

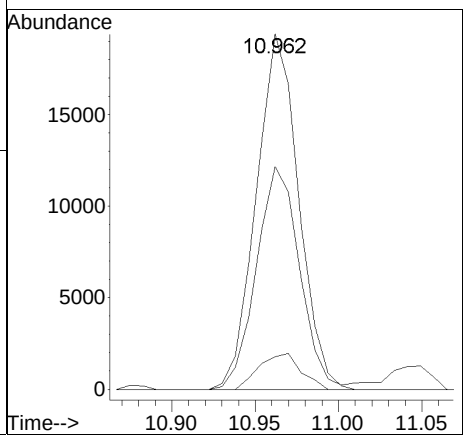


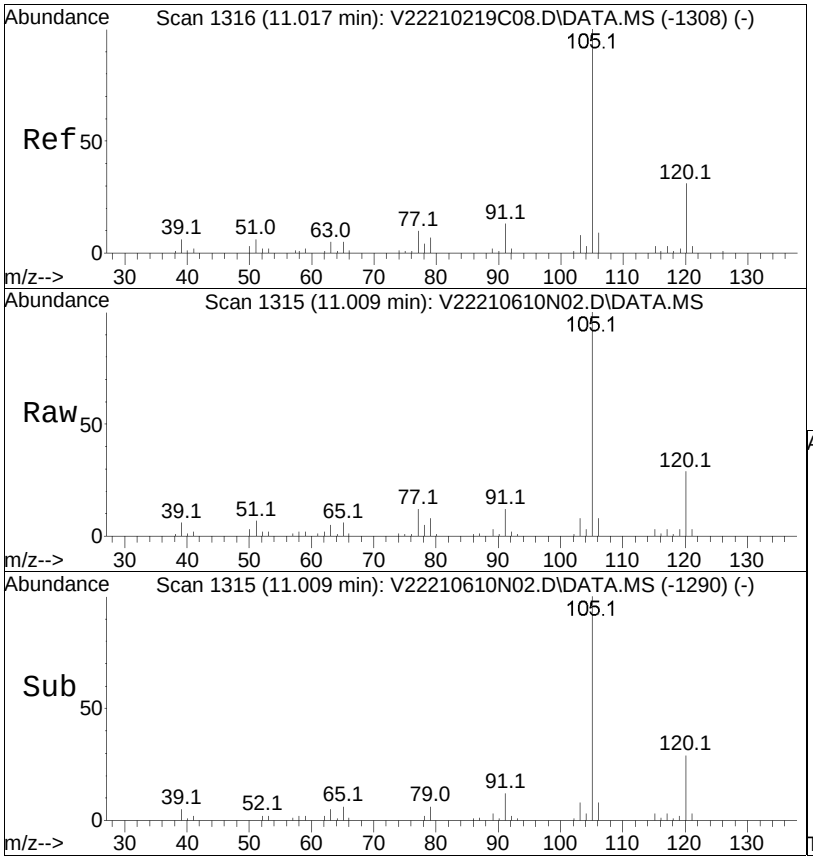


#91
1,1,2,2-Tetrachloroethane
Concen: 8.53 ug/L
RT: 10.962 min Scan# 1309
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 83 Resp: 34293

Ion	Ratio	Lower	Upper
83	100		
131	10.0	0.0	30.8
85	64.2	45.4	85.4

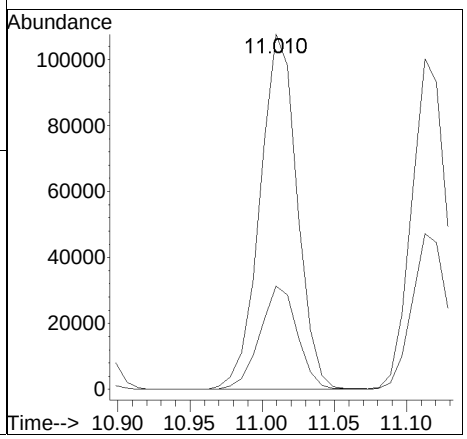


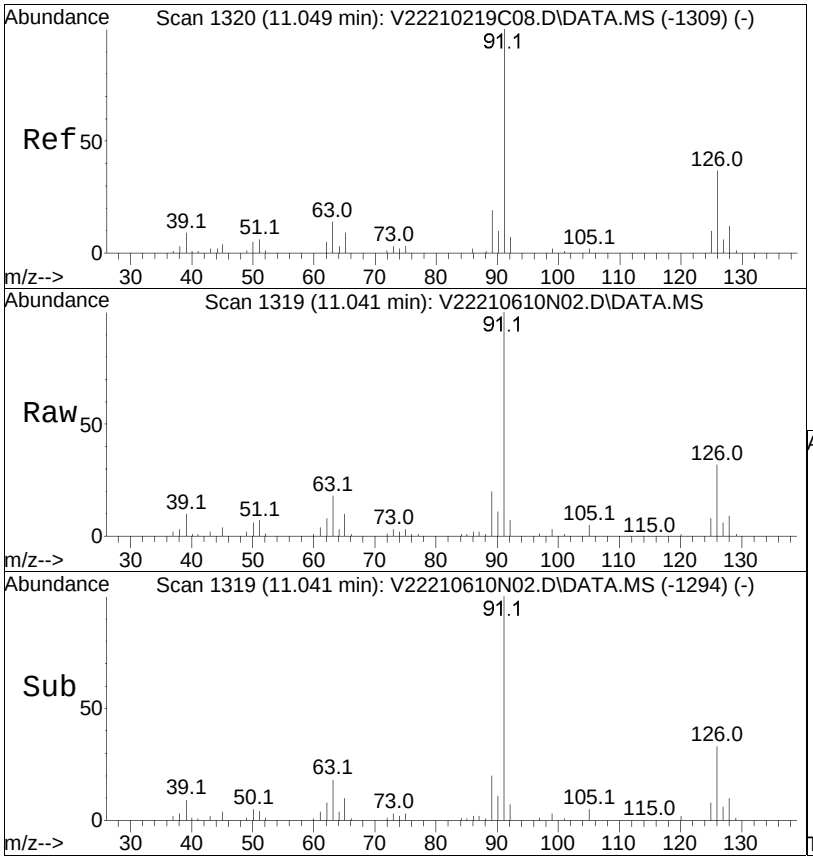


#92
4-Ethyltoluene
Concen: 8.28 ug/L
RT: 11.009 min Scan# 1315
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:105 Resp: 192947

Ion	Ratio	Lower	Upper
105	100		
120	29.3	19.8	41.0

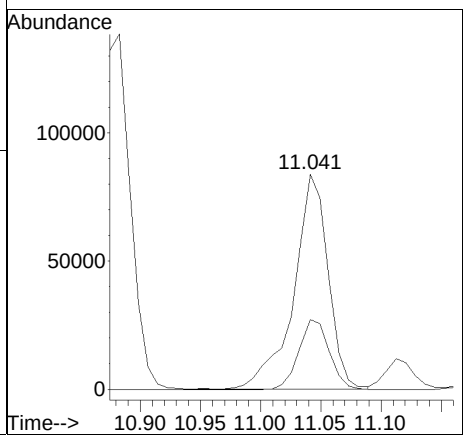


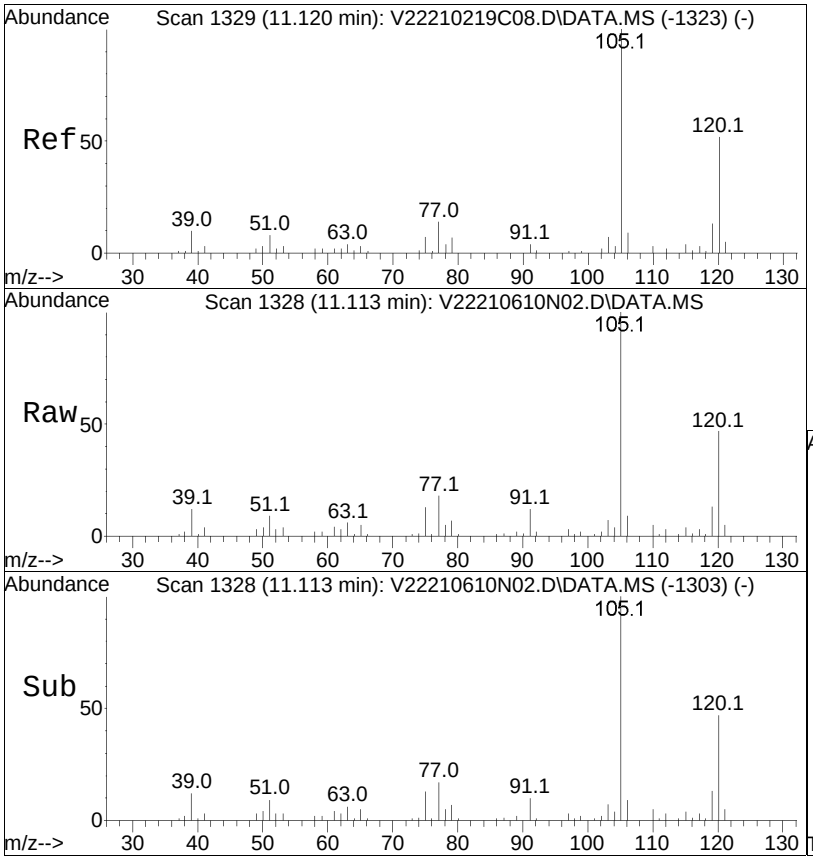


#93
2-Chlorotoluene
Concen: 8.32 ug/L
RT: 11.041 min Scan# 1319
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 91 Resp: 165517

Ion	Ratio	Lower	Upper
91	100		
126	28.9	24.6	37.0

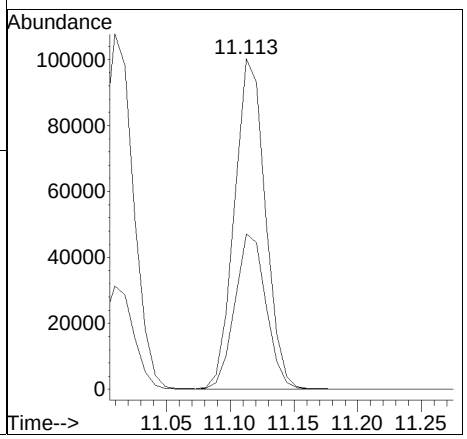


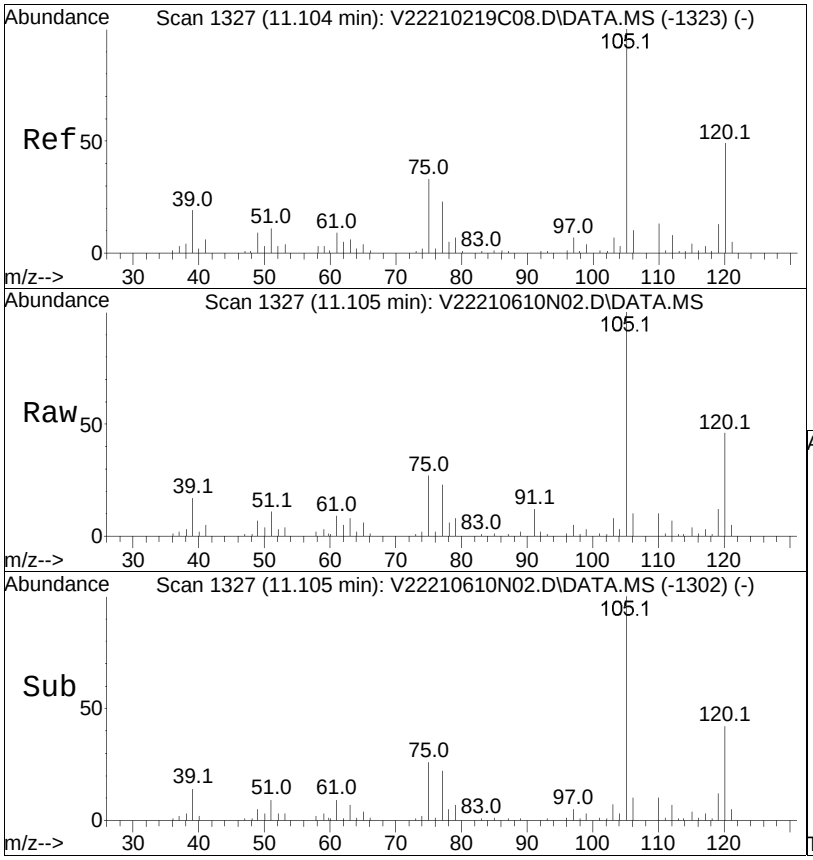


#94
1,3,5-Trimethylbenzene
Concen: 8.61 ug/L
RT: 11.113 min Scan# 1328
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:105 Resp: 169474

Ion	Ratio	Lower	Upper
105	100		
120	47.4	40.9	61.3

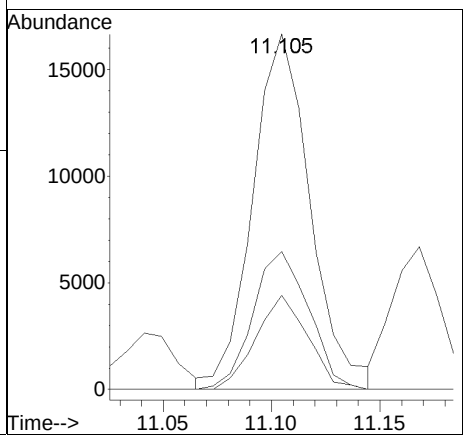


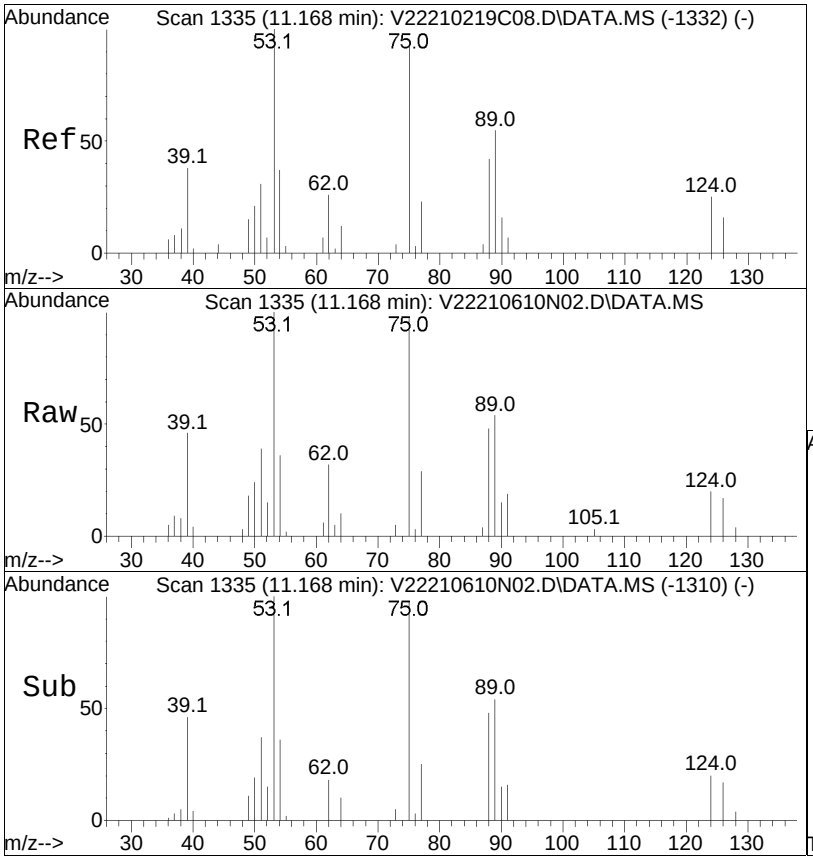


#95
1,2,3-Trichloropropane
Concen: 8.68 ug/L
RT: 11.105 min Scan# 1327
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 75 Resp: 30778

Ion	Ratio	Lower	Upper
75	100		
110	37.6	26.3	54.7
112	23.9	16.8	35.0

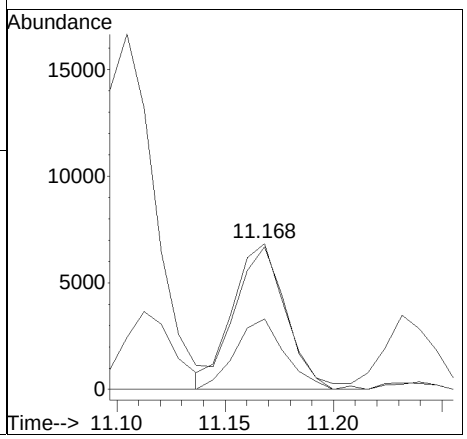


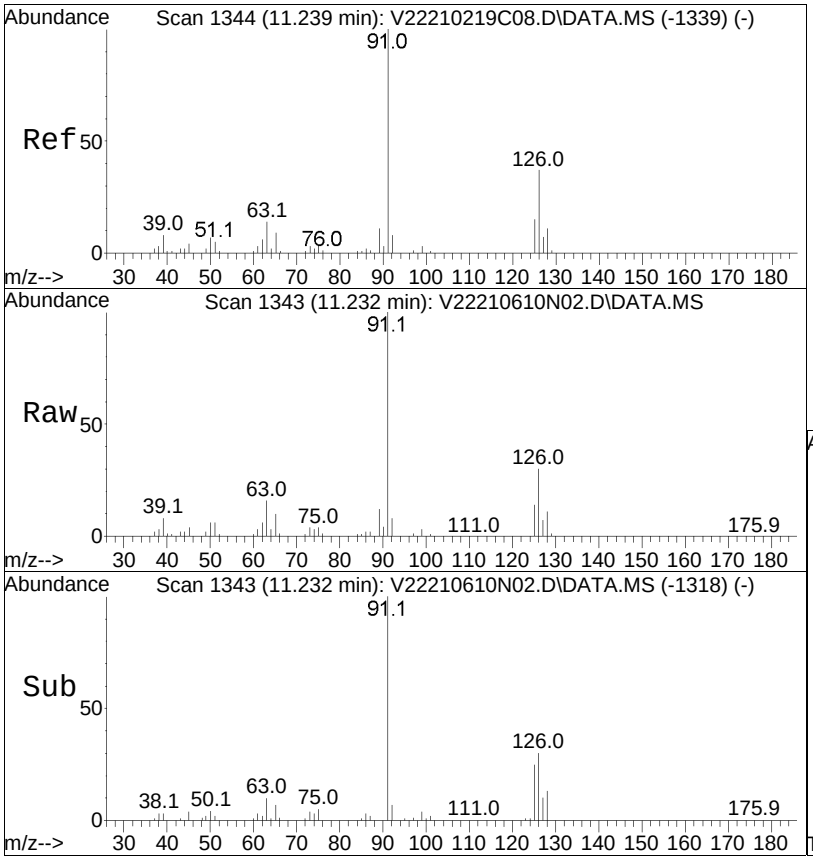


#96
trans-1,4-Dichloro-2-butene
Concen: 9.03 ug/L
RT: 11.168 min Scan# 1335
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 53 Resp: 11586

Ion	Ratio	Lower	Upper
53	100		
88	45.5	46.3	69.5#
75	92.6	109.0	163.4#

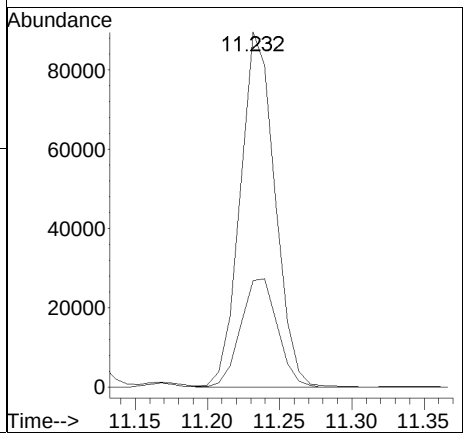


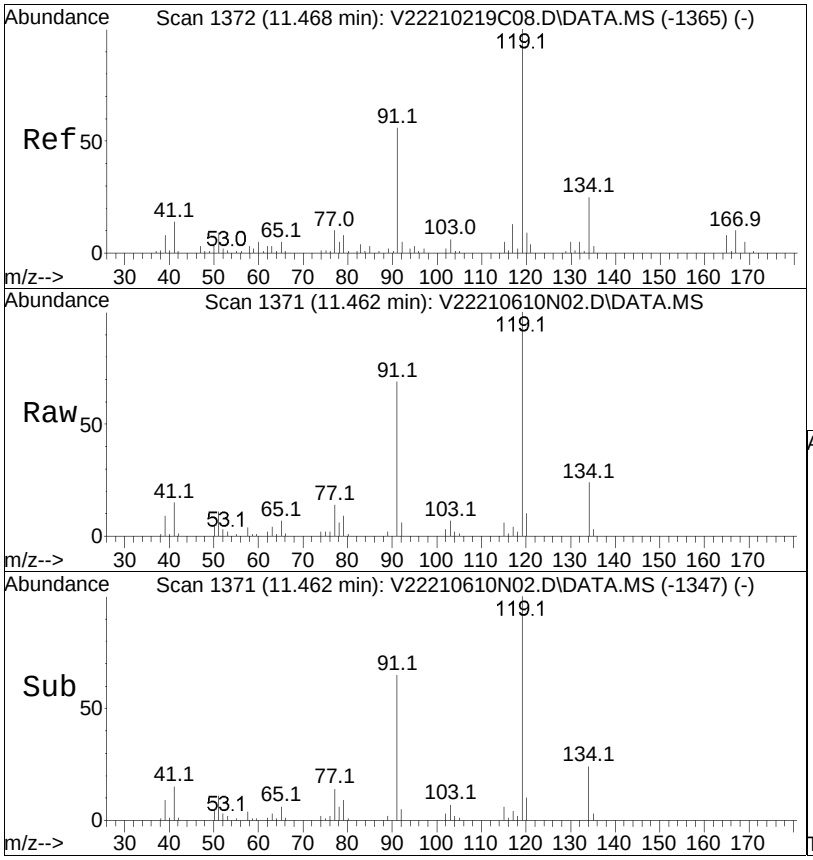


#97
4-Chlorotoluene
Concen: 8.42 ug/L
RT: 11.232 min Scan# 1343
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 91 Resp: 150094

Ion	Ratio	Lower	Upper
91	100		
126	32.5	28.5	42.7

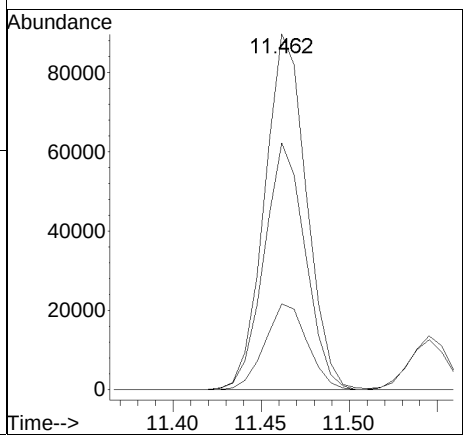


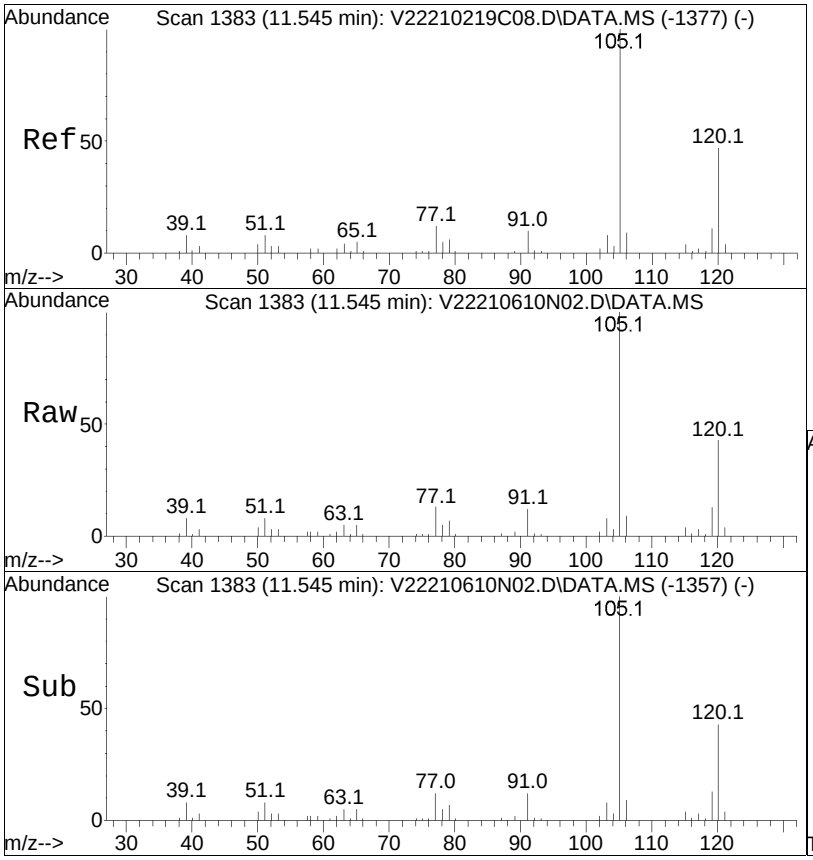


#98
tert-Butylbenzene
Concen: 7.99 ug/L
RT: 11.462 min Scan# 1371
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:119 Resp: 147798

Ion	Ratio	Lower	Upper
119	100		
91	68.5	50.2	75.4
134	24.4	20.8	31.2

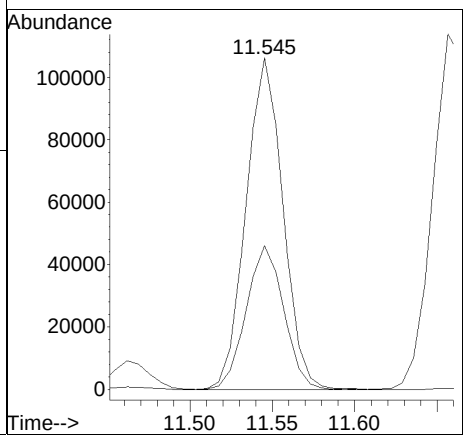


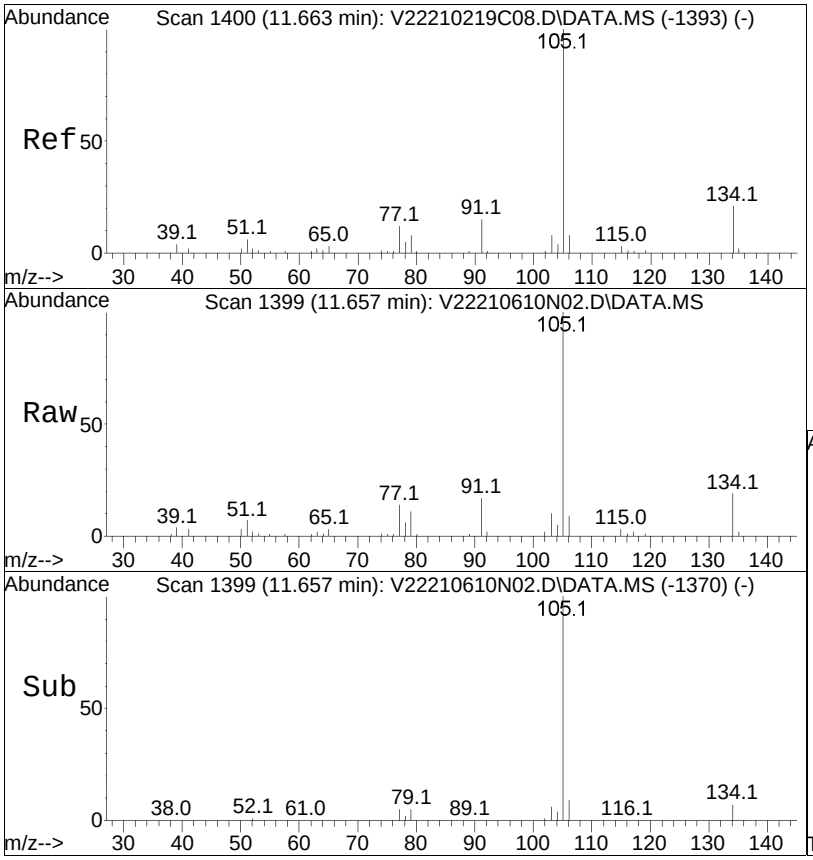


#101
1,2,4-Trimethylbenzene
Concen: 8.63 ug/L
RT: 11.545 min Scan# 1383
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:105 Resp: 165615

Ion	Ratio	Lower	Upper
105	100		
120	44.1	38.5	57.7

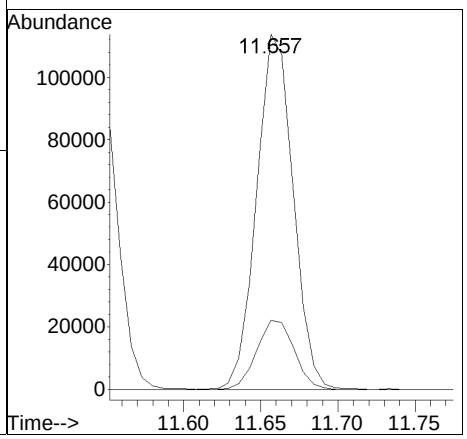


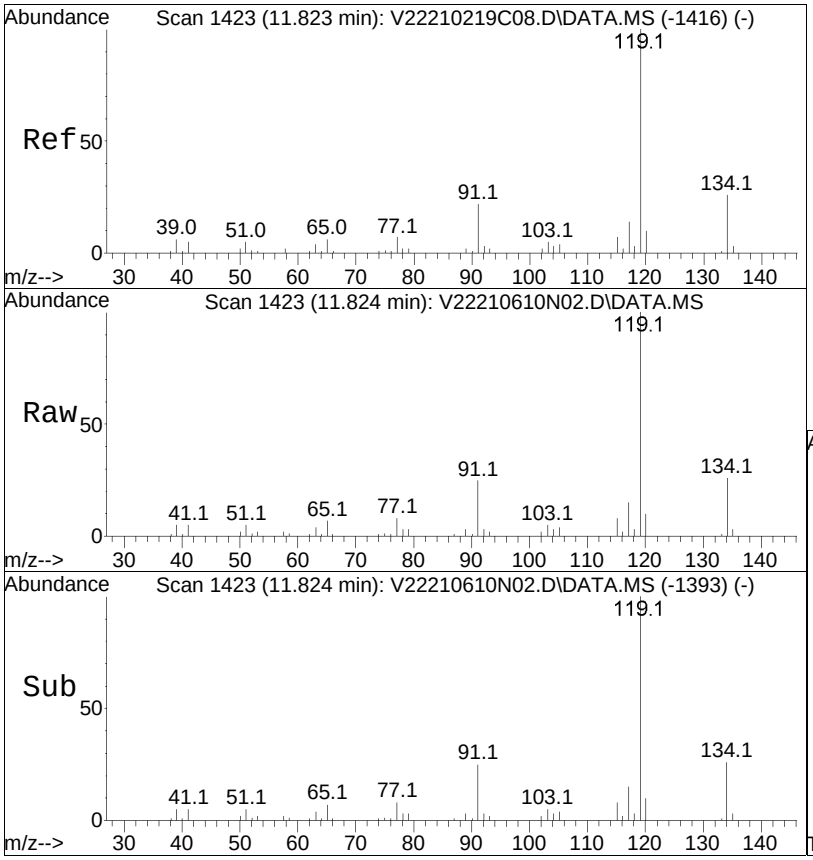


#102
sec-Butylbenzene
Concen: 8.16 ug/L
RT: 11.657 min Scan# 1399
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:105 Resp: 187626

Ion	Ratio	Lower	Upper
105	100		
134	20.0	13.9	28.9

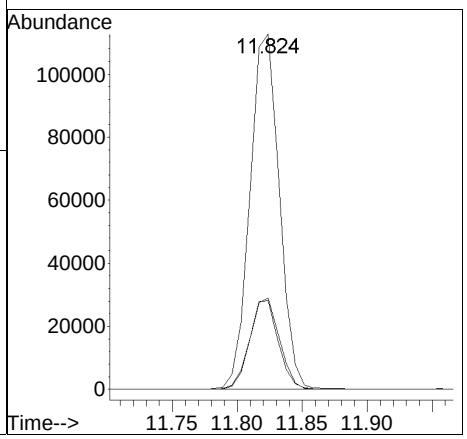


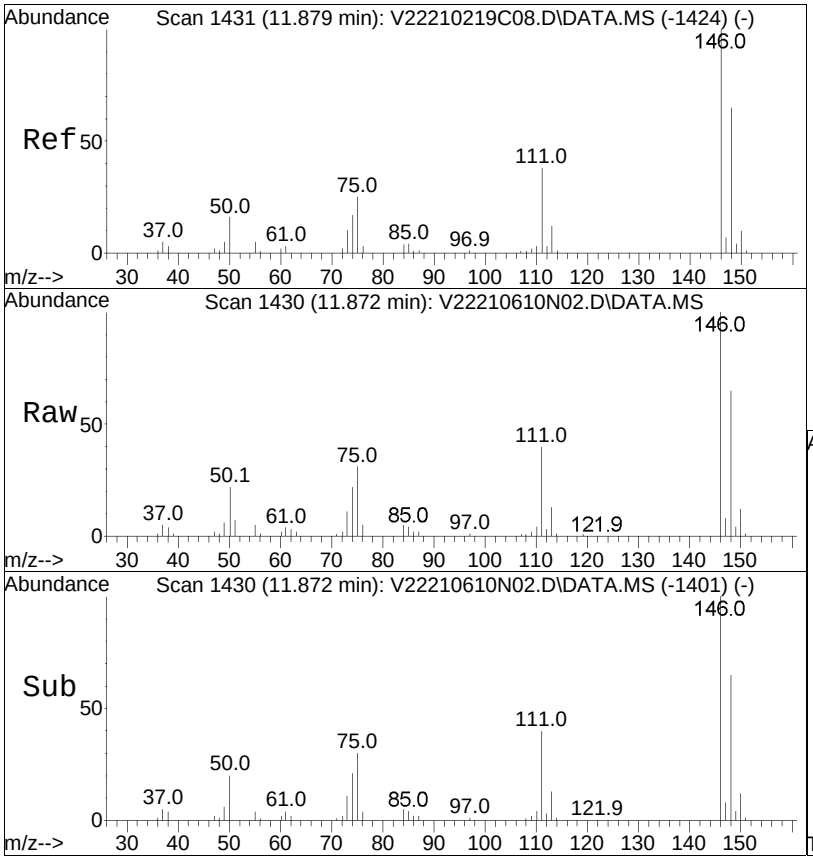


#103
p-Isopropyltoluene
Concen: 8.51 ug/L
RT: 11.824 min Scan# 1423
Delta R.T. 0.007 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:119 Resp: 177675

Ion	Ratio	Lower	Upper
119	100		
134	25.6	17.7	36.7
91	24.7	14.1	29.3

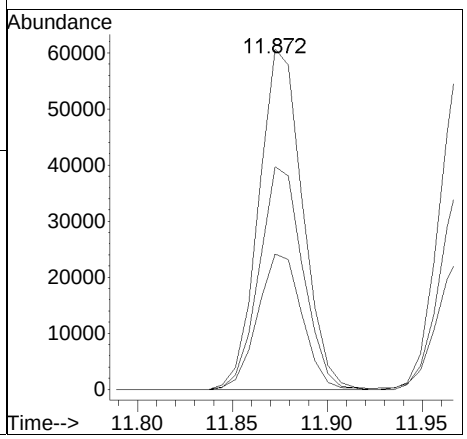


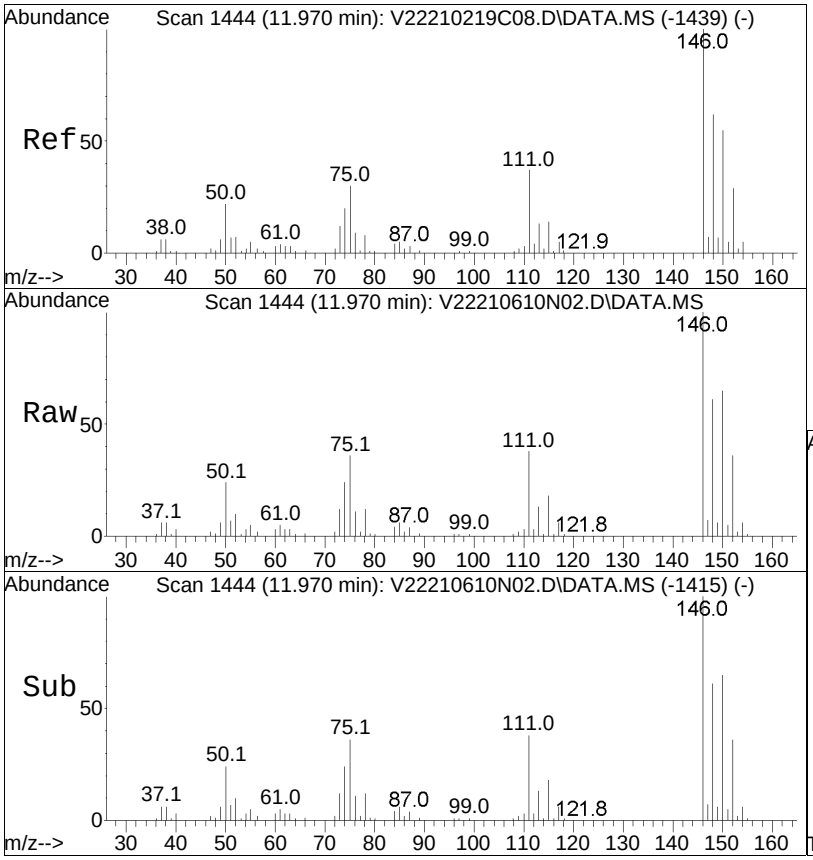


#104
1,3-Dichlorobenzene
Concen: 8.96 ug/L
RT: 11.872 min Scan# 1430
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:146 Resp: 97442

Ion	Ratio	Lower	Upper
146	100		
111	40.1	24.0	49.8
148	65.1	41.8	86.8

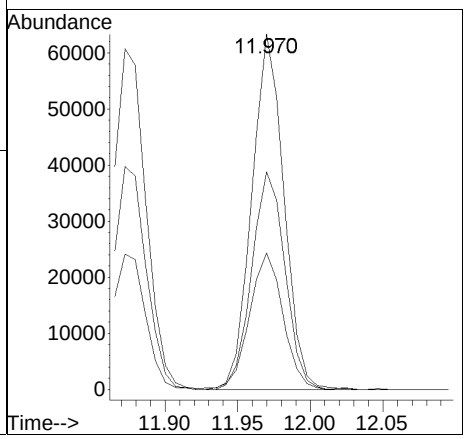


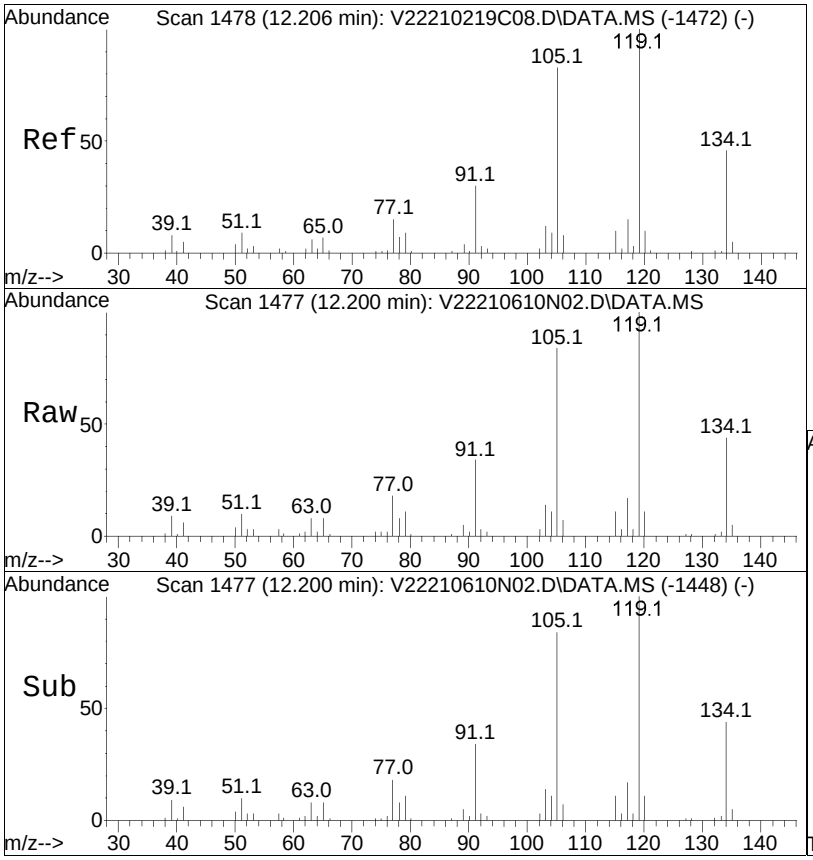


#105
1,4-Dichlorobenzene
Concen: 8.93 ug/L
RT: 11.970 min Scan# 1444
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:146 Resp: 97383

Ion	Ratio	Lower	Upper
146	100		
111	40.0	28.9	43.3
148	63.4	51.4	77.2

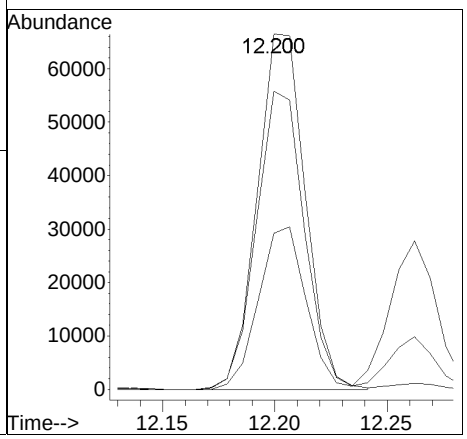


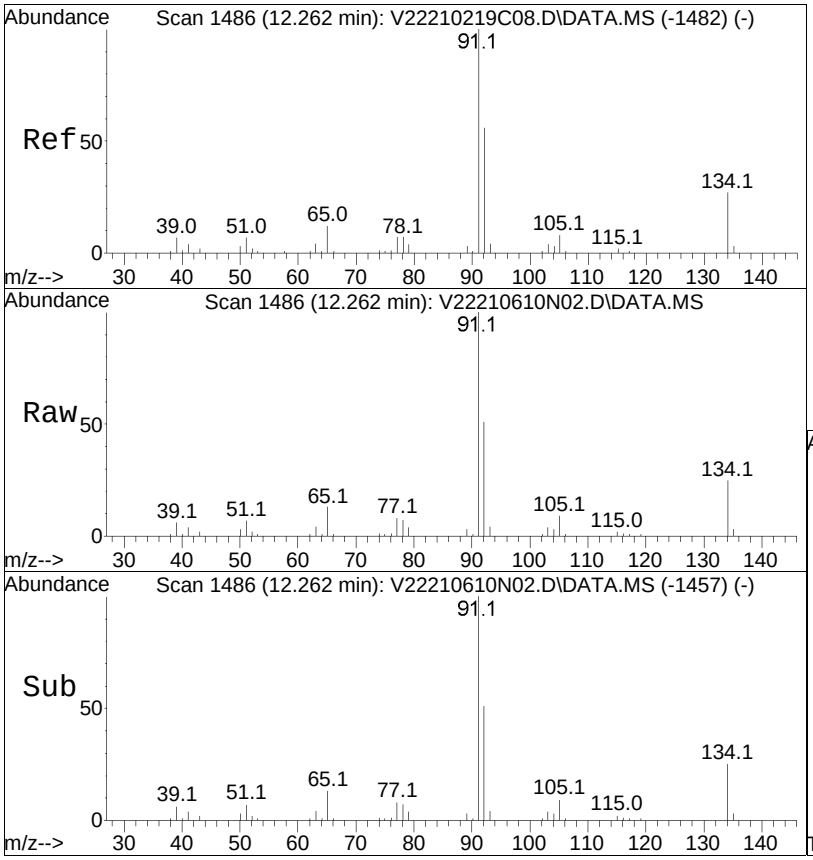


#106
p-Diethylbenzene
Concen: 8.22 ug/L
RT: 12.200 min Scan# 1477
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:119 Resp: 99147

Ion	Ratio	Lower	Upper
119	100		
105	83.8	53.4	110.8
134	45.3	30.9	64.1

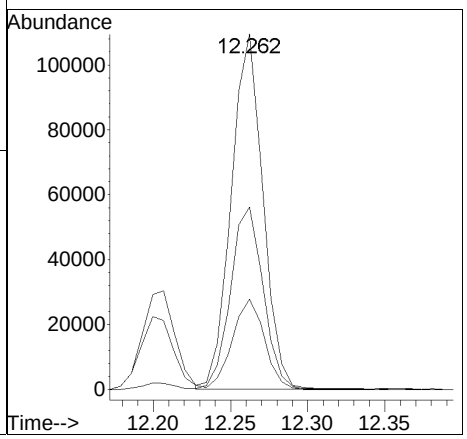


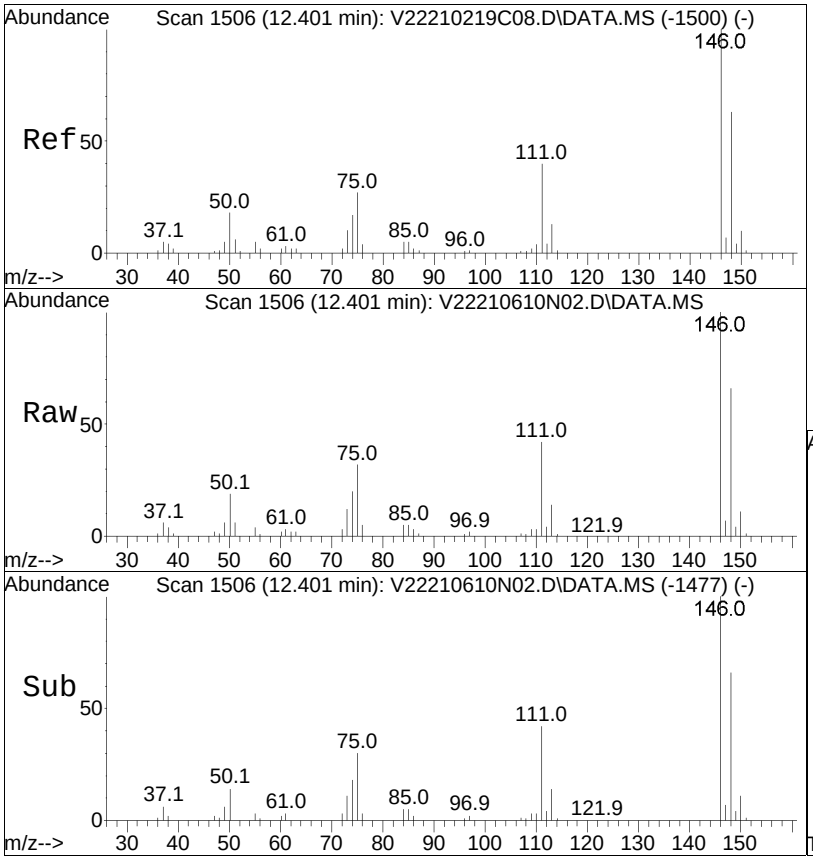


#107
n-Butylbenzene
Concen: 8.25 ug/L
RT: 12.262 min Scan# 1486
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion: 91 Resp: 156047

Ion	Ratio	Lower	Upper
91	100		
92	53.1	44.6	66.8
134	25.8	22.9	34.3

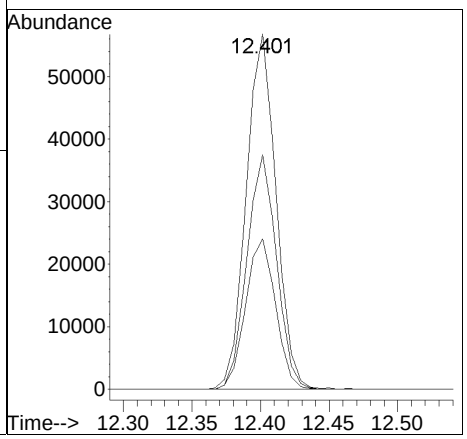


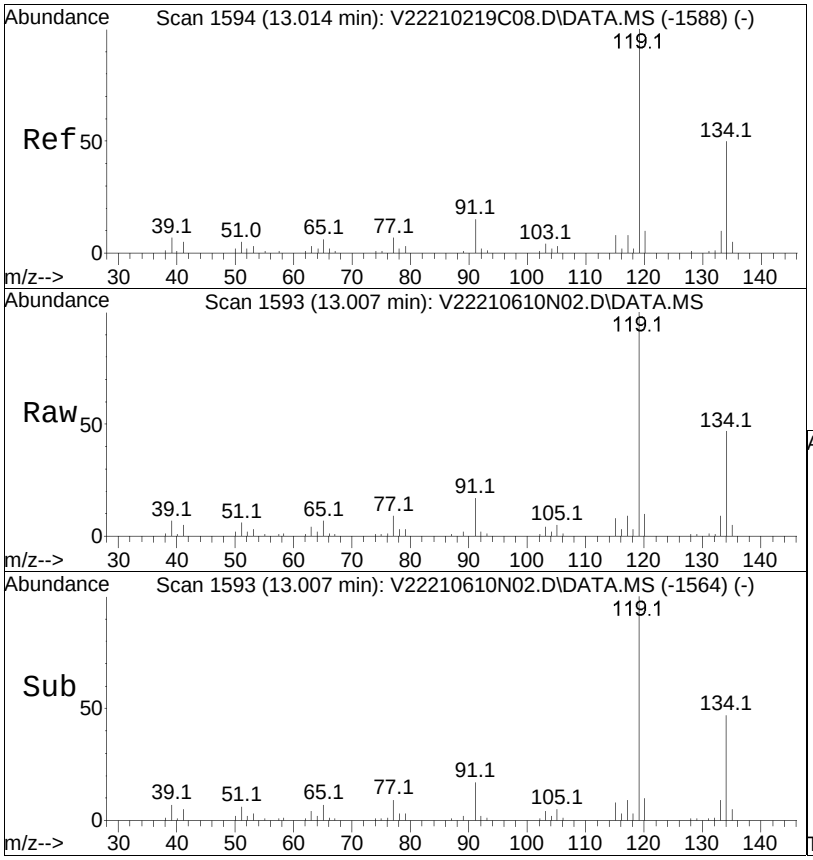


#108
1,2-Dichlorobenzene
Concen: 8.89 ug/L
RT: 12.401 min Scan# 1506
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:146 Resp: 86173

Ion	Ratio	Lower	Upper
146	100		
111	42.6	24.8	51.6
148	65.5	42.2	87.6

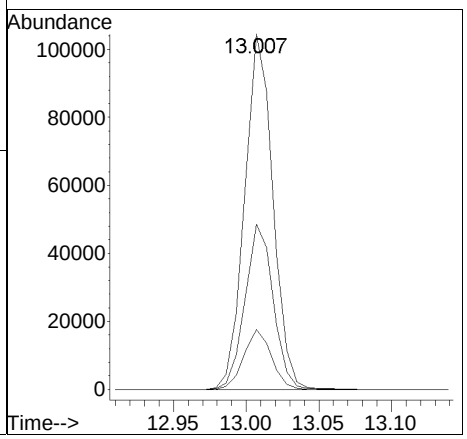


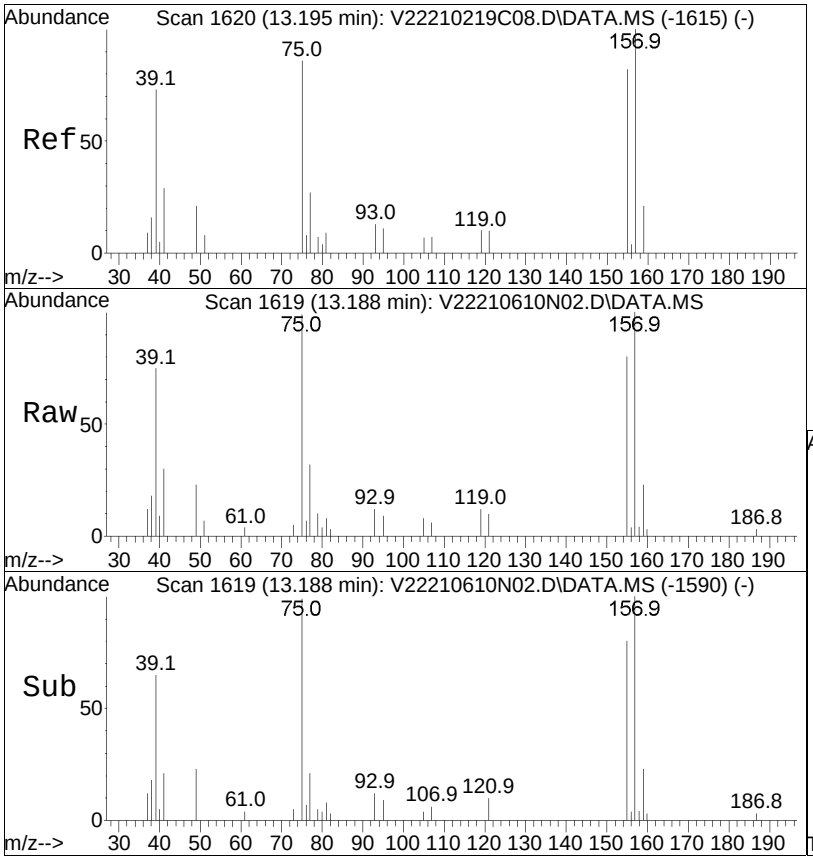


#109
1,2,4,5-Tetramethylbenzene
Concen: 8.23 ug/L
RT: 13.007 min Scan# 1593
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:119 Resp: 141199

Ion	Ratio	Lower	Upper
119	100		
134	46.5	31.9	66.1
91	16.5	9.8	20.3

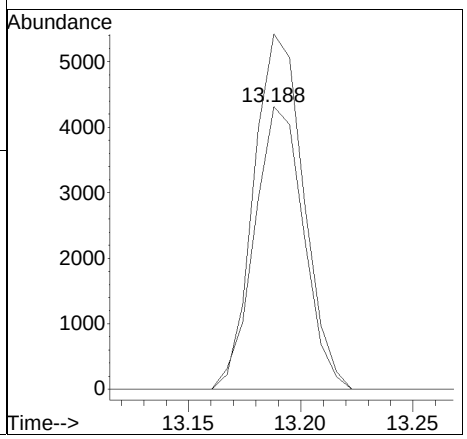


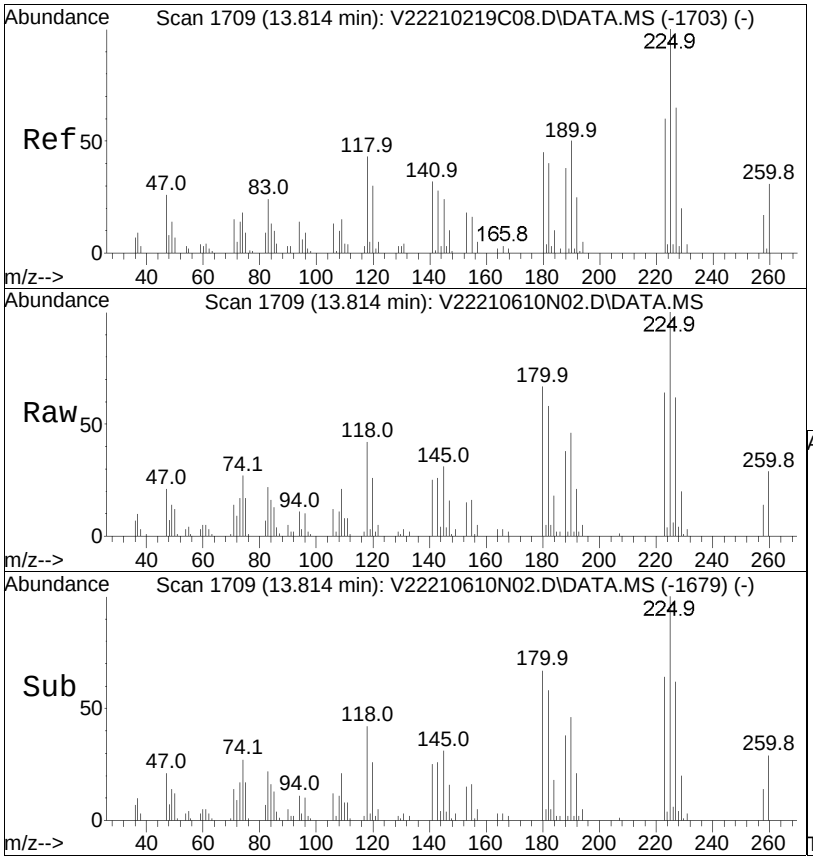


#110
1,2-Dibromo-3-chloropropane
Concen: 10.42 ug/L
RT: 13.188 min Scan# 1619
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:155 Resp: 6574

Ion	Ratio	Lower	Upper
155	100		
157	127.0	102.3	153.5

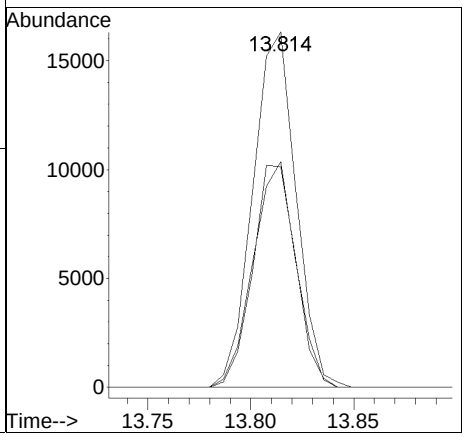


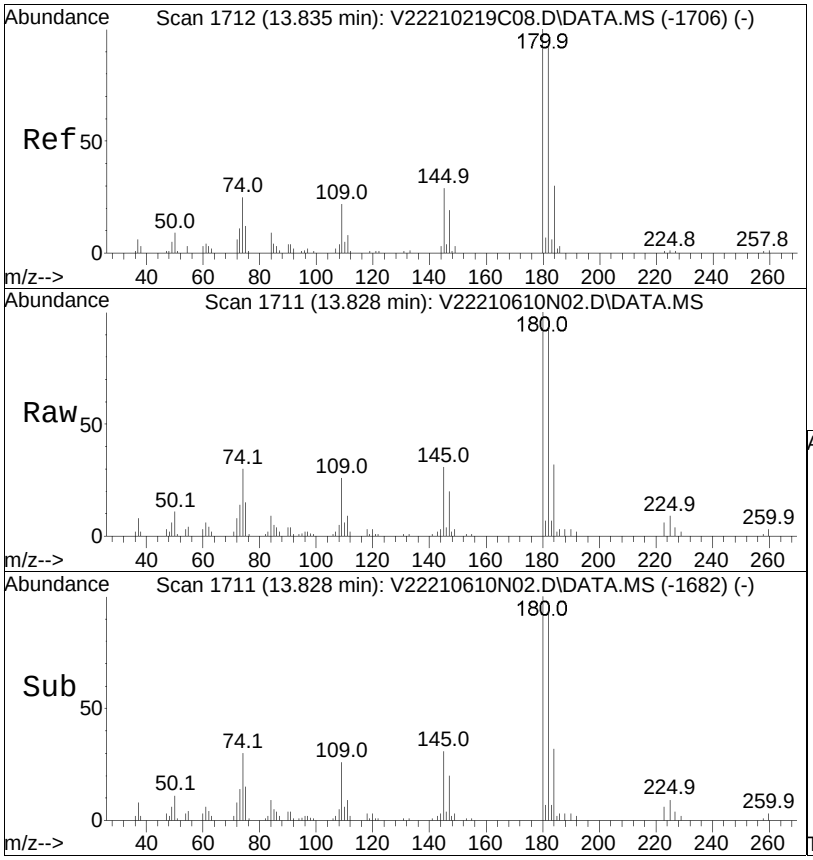


#112
Hexachlorobutadiene
Concen: 11.61 ug/L
RT: 13.814 min Scan# 1709
Delta R.T. 0.007 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:225 Resp: 23885

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.8	74.8
227	62.4	52.2	78.4

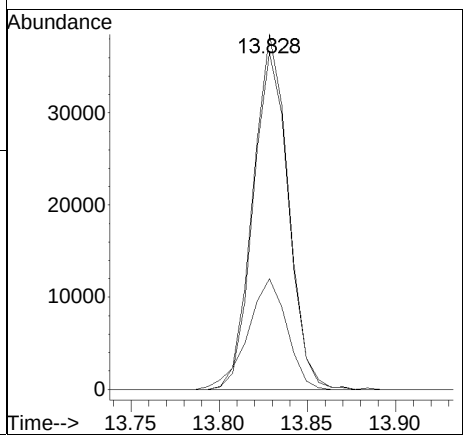


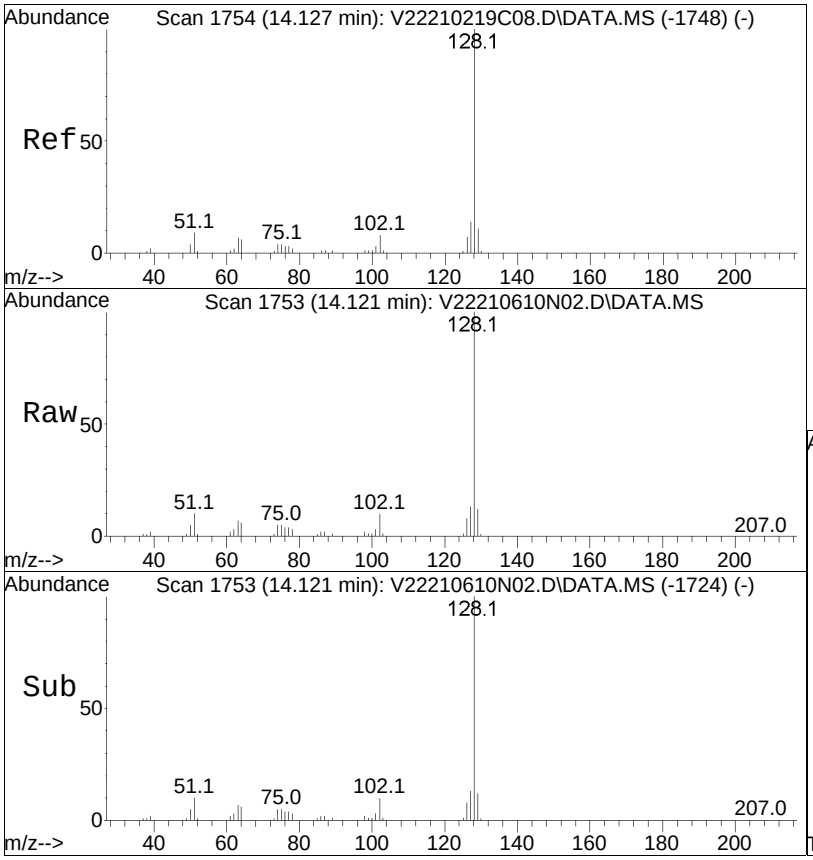


#113
1,2,4-Trichlorobenzene
Concen: 9.55 ug/L
RT: 13.828 min Scan# 1711
Delta R.T. 0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:180 Resp: 53695

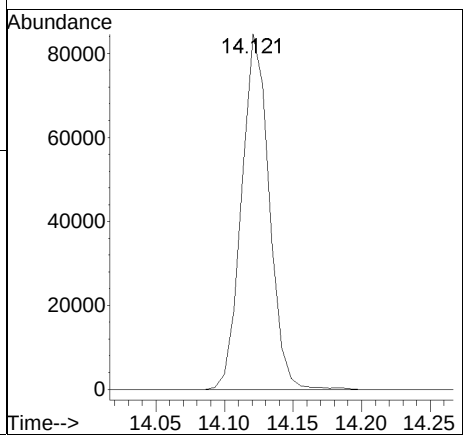
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.6	114.8
145	34.4	25.5	38.3

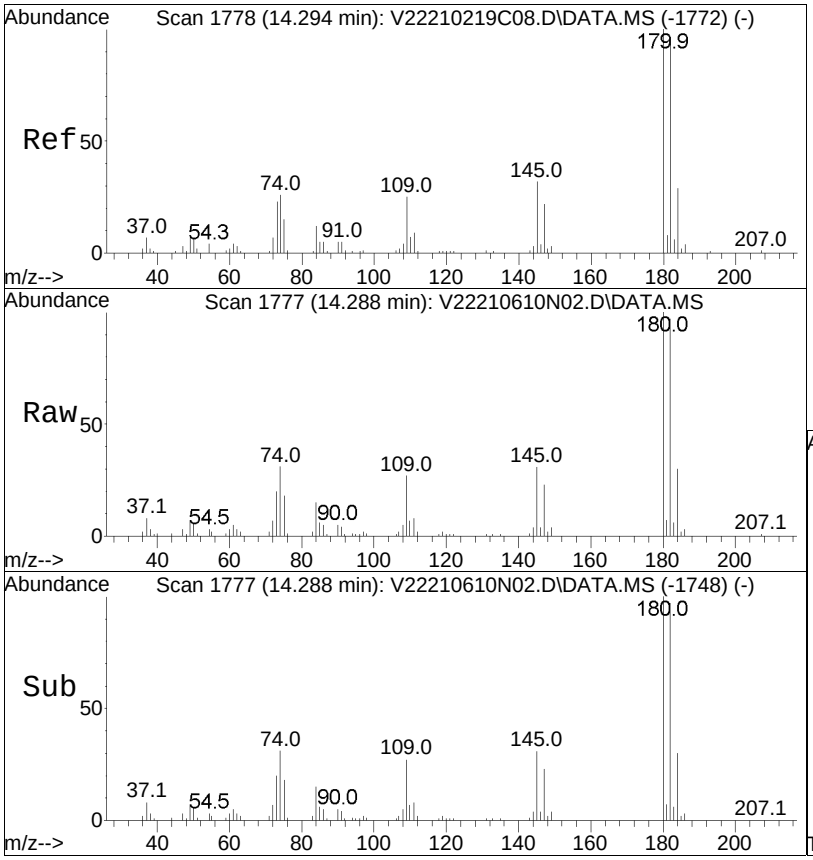




#114
Naphthalene
Concen: 9.09 ug/L
RT: 14.121 min Scan# 1753
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:128 Resp: 118379

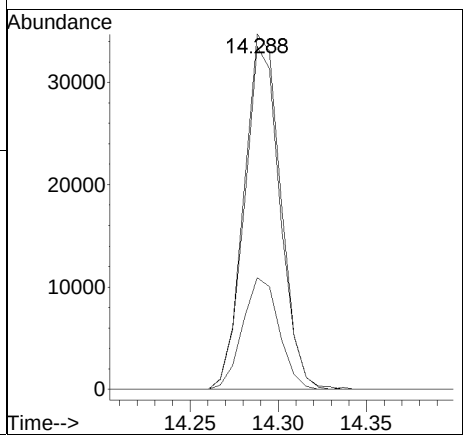




#115
1,2,3-Trichlorobenzene
Concen: 10.12 ug/L
RT: 14.288 min Scan# 1777
Delta R.T. -0.000 min
Lab File: V22210610N02.D
Acq: 10 Jun 2021 08:26 pm

Tgt Ion:180 Resp: 50102

Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.0	114.0
145	31.2	23.8	35.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	QMethod	: V122_210420N_8260.m
Data File	: V22210610N02.D	Operator	: VOA122:TMS
Date Inj'd	: 6/10/2021 8:26 pm	Instrument	: VOA122
Sample	: WG1510951-4,31,10,10	Quant Date	: 6/10/2021 9:48 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N25.D
Acq On : 11 Jun 2021 06:21 am
Operator : VOA122:NLK
Sample : WG1510951-6,31,10,10,,A2,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 11 11:45:41 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	285386	10.000	ug/L	0.00
Standard Area 1 = 227181			Recovery = 125.62%			
62) Chlorobenzene-d5	9.169	117	216690	10.000	ug/L	0.00
Standard Area 1 = 171867			Recovery = 126.08%			
83) 1,4-Dichlorobenzene-d4	11.956	152	122634	10.000	ug/L	0.00
Standard Area 1 = 97920			Recovery = 125.24%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	80299	10.671	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.71%			
46) 1,2-Dichloroethane-d4	5.379	65	97375	10.935	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.35%			
63) Toluene-d8	7.341	98	266636	9.712	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.12%			
87) 4-Bromofluorobenzene	10.708	95	108604	9.171	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.71%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	52374	10.577	ug/L #	95
3) Chloromethane	1.664	50	63137	8.731	ug/L	98
4) Vinyl chloride	1.699	62	76142	11.491	ug/L	100
5) Bromomethane	1.985	94	10652	5.218	ug/L	98
6) Chloroethane	2.082	64	30475	7.940	ug/L	98
7) Trichlorofluoromethane	2.222	101	107394	13.283	ug/L	99
8) Ethyl ether	2.507	74	26484	9.883	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	53876	11.129	ug/L #	68
11) Carbon disulfide	2.710	76	157330	10.691	ug/L	99
15) Methylene chloride	3.212	84	54700	9.997	ug/L #	72
17) Acetone	3.260	43	14543	10.529	ug/L	98
18) trans-1,2-Dichloroethene	3.365	96	330442	63.922	ug/L	79
21) Methyl tert-butyl ether	3.462	73	129660	10.818	ug/L	91
25) 1,1-Dichloroethane	3.930	63	113022	10.096	ug/L	97
27) Acrylonitrile	3.971	53	16669	10.433	ug/L	95
29) Vinyl acetate	4.160	43	107520	10.688	ug/L #	90
30) cis-1,2-Dichloroethene	4.431	96	173673	29.548	ug/L #	80
31) 2,2-Dichloropropane	4.536	77	65673	8.344	ug/L	93
32) Bromochloromethane	4.620	128	28173	11.790	ug/L #	75
34) Chloroform	4.689	83	108835	10.905	ug/L	96

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N25.D
Acq On : 11 Jun 2021 06:21 am
Operator : VOA122:NLK
Sample : WG1510951-6,31,10,10,,A2,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 11 11:45:41 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	4.822	117	95996	13.265	ug/L		99
39) 1,1,1-Trichloroethane	4.891	97	105933	12.274	ug/L		96
41) 2-Butanone	4.982	43	16412	9.452	ug/L	#	71
42) 1,1-Dichloropropene	5.017	75	54028	10.727	ug/L		98
44) Benzene	5.254	78	211358	10.099	ug/L	#	91
47) 1,2-Dichloroethane	5.446	62	80361	10.956	ug/L		98
51) Trichloroethene	5.837	95	100929	18.136	ug/L		95
53) Dibromomethane	6.265	93	32293	10.313	ug/L		89
54) 1,2-Dichloropropane	6.376	63	58149	9.831	ug/L		98
57) Bromodichloromethane	6.442	83	79607	10.871	ug/L		96
60) 1,4-Dioxane	6.663	88	18145	518.359	ug/L	#	65
61) cis-1,3-Dichloropropene	7.134	75	80517	9.733	ug/L	#	89
64) Toluene	7.400	92	134727	10.063	ug/L		98
65) 4-Methyl-2-pentanone	7.842	58	14295	10.726	ug/L	#	80
66) Tetrachloroethene	7.842	166	99411	18.349	ug/L		93
68) trans-1,3-Dichloropropene	7.878	75	73450	9.128	ug/L		91
71) 1,1,2-Trichloroethane	8.063	83	36997	10.550	ug/L		93
72) Chlorodibromomethane	8.265	129	59407	11.859	ug/L		99
73) 1,3-Dichloropropane	8.384	76	73371	9.895	ug/L		99
74) 1,2-Dibromoethane	8.535	107	41893	10.846	ug/L		97
76) 2-Hexanone	8.844	43	23771	10.123	ug/L		94
77) Chlorobenzene	9.193	112	152364	10.160	ug/L		93
78) Ethylbenzene	9.241	91	275744	10.493	ug/L		96
79) 1,1,1,2-Tetrachloroethane	9.281	131	54398	11.039	ug/L		96
80) p/m Xylene	9.431	106	215883	21.017	ug/L		93
81) o Xylene	9.970	106	202172	20.838	ug/L		92
82) Styrene	10.042	104	317200	20.254	ug/L		93
84) Bromoform	10.058	173	35276	12.087	ug/L		99
86) Isopropylbenzene	10.383	105	293995	10.069	ug/L		97
88) Bromobenzene	10.819	156	68479	10.931	ug/L		97
89) n-Propylbenzene	10.882	91	341524	9.376	ug/L		96
91) 1,1,2,2-Tetrachloroethane	10.962	83	47474	9.748	ug/L		99
92) 4-Ethyltoluene	11.009	105	267668	9.480	ug/L		97
93) 2-Chlorotoluene	11.041	91	228847	9.499	ug/L		96
94) 1,3,5-Trimethylbenzene	11.112	105	229644	9.626	ug/L		97
95) 1,2,3-Trichloropropane	11.104	75	40983	9.544	ug/L		98
96) trans-1,4-Dichloro-2-b...	11.168	53	14005	9.013	ug/L	#	75
97) 4-Chlorotoluene	11.239	91	200555	9.283	ug/L		96
98) tert-Butylbenzene	11.461	119	207788	9.270	ug/L		94

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N25.D
Acq On : 11 Jun 2021 06:21 am
Operator : VOA122:NLK
Sample : WG1510951-6,31,10,10,,A2,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 11 11:45:41 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
101) 1,2,4-Trimethylbenzene	11.545	105	230544	9.915	ug/L		94
102) sec-Butylbenzene	11.663	105	266298	9.563	ug/L		98
103) p-Isopropyltoluene	11.823	119	243796	9.640	ug/L		96
104) 1,3-Dichlorobenzene	11.879	146	134151	10.177	ug/L		98
105) 1,4-Dichlorobenzene	11.970	146	136060	10.293	ug/L		98
106) p-Diethylbenzene	12.206	119	137957	9.444	ug/L		98
107) n-Butylbenzene	12.262	91	213276	9.304	ug/L		96
108) 1,2-Dichlorobenzene	12.401	146	118193	10.064	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.007	119	203358	9.788	ug/L		96
110) 1,2-Dibromo-3-chloropr...	13.195	155	9068	11.821	ug/L		99
112) Hexachlorobutadiene	13.814	225	32733	13.137	ug/L		97
113) 1,2,4-Trichlorobenzene	13.828	180	76558	11.245	ug/L	#	95
114) Naphthalene	14.121	128	172537	10.932	ug/L		100
115) 1,2,3-Trichlorobenzene	14.295	180	68773	11.465	ug/L		97

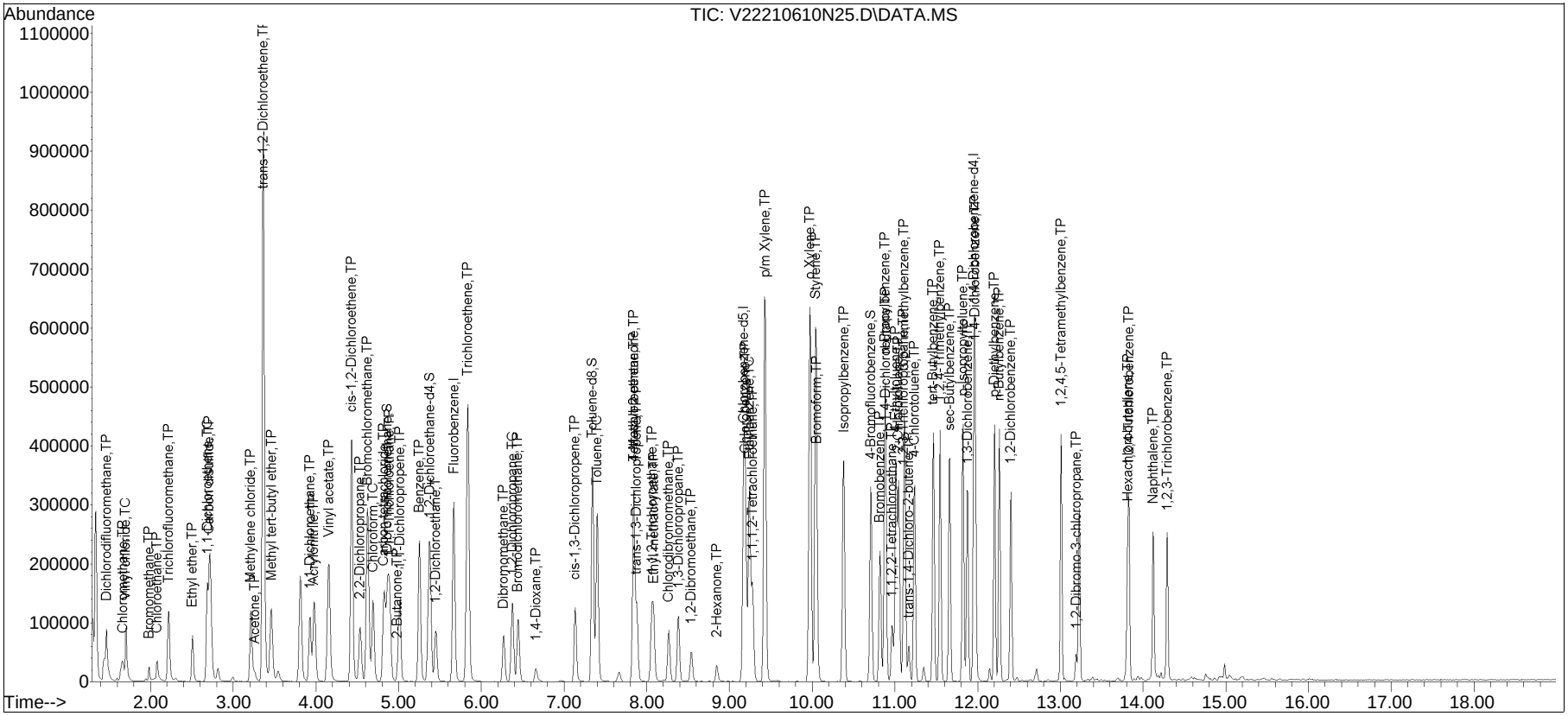
(#) = qualifier out of range (m) = manual integration (+) = signals summed

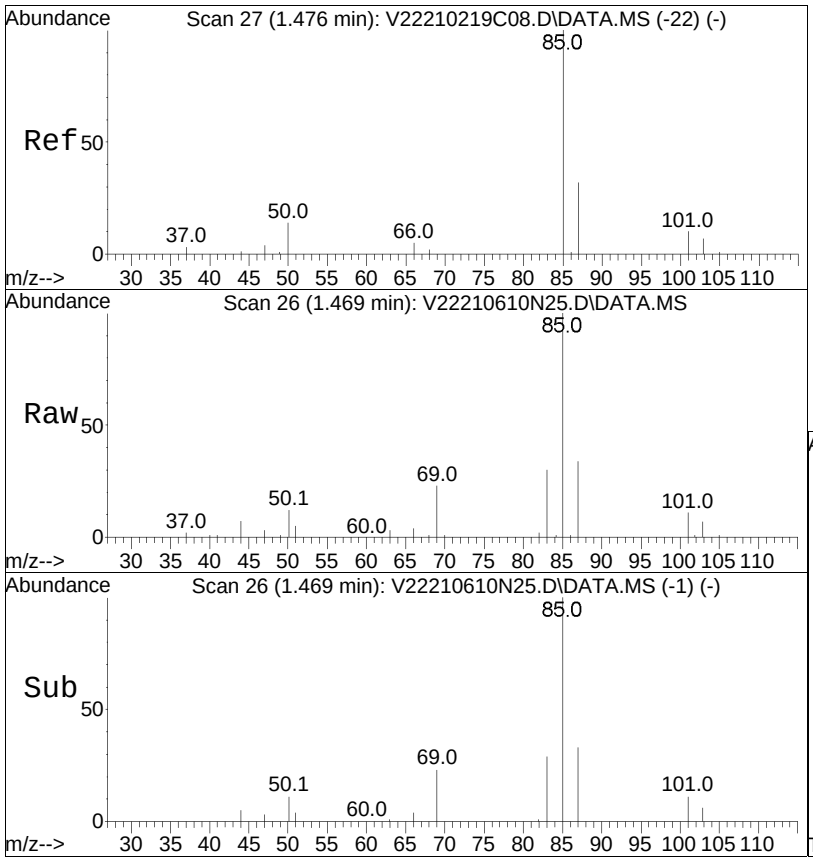
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N25.D
Acq On : 11 Jun 2021 06:21 am
Operator : VOA122:NLK
Sample : WG1510951-6,31,10,10,,A2,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 11 11:45:41 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10610N\V22210610N01.D•

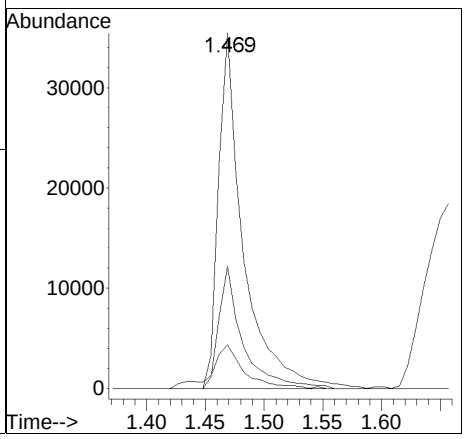


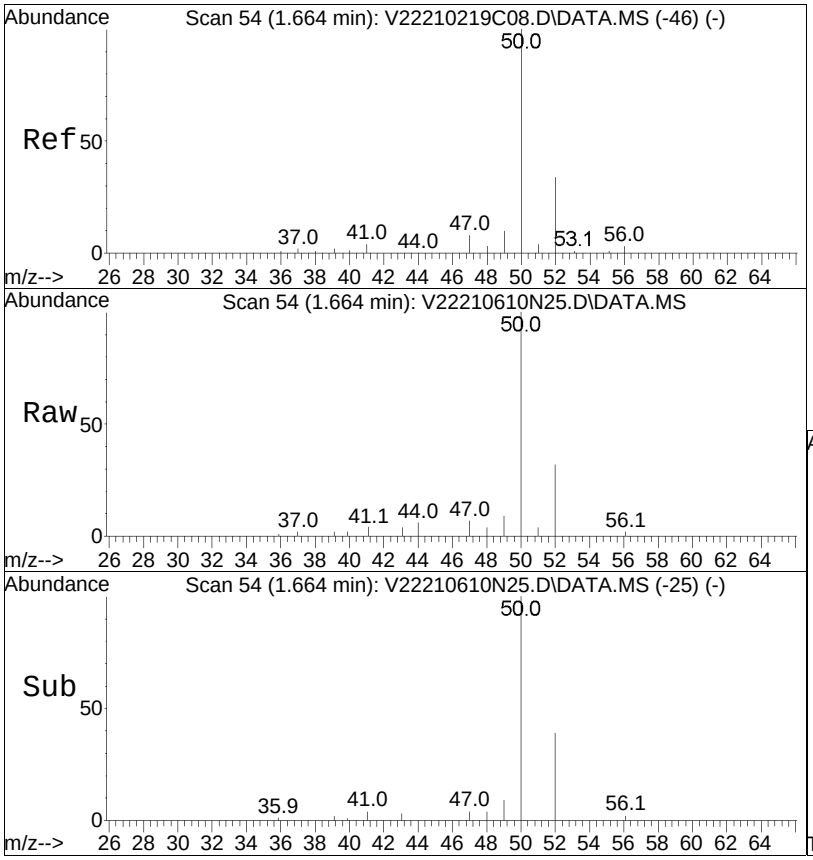


#2
Dichlorodifluoromethane
Concen: 10.58 ug/L
RT: 1.469 min Scan# 26
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 85 Resp: 52374

Ion	Ratio	Lower	Upper
85	100		
87	32.8	20.7	42.9
50	15.8	6.8	14.2#

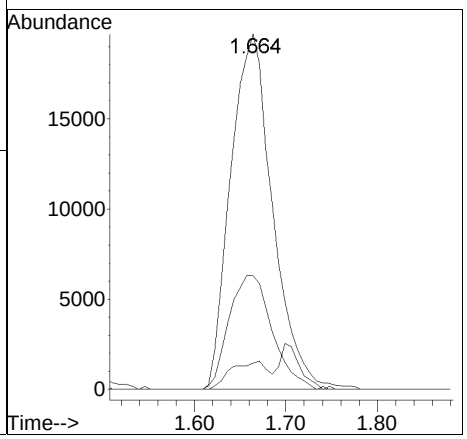


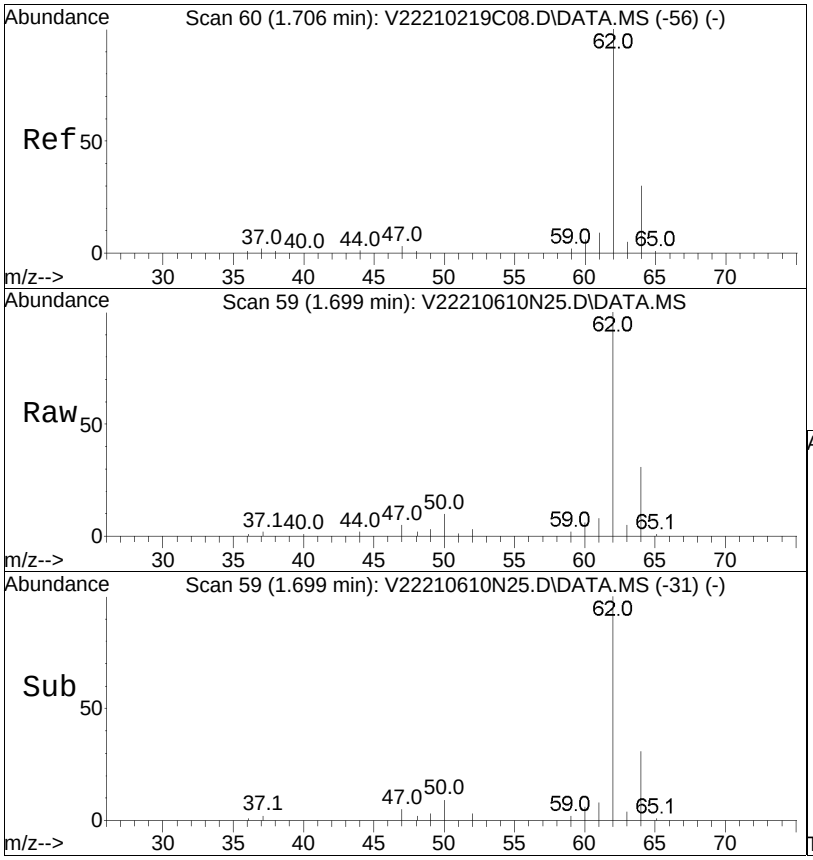


#3
Chloromethane
Concen: 8.73 ug/L
RT: 1.664 min Scan# 54
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 50 Resp: 63137

Ion	Ratio	Lower	Upper
50	100		
52	33.0	12.8	52.8
47	7.0	0.0	30.0

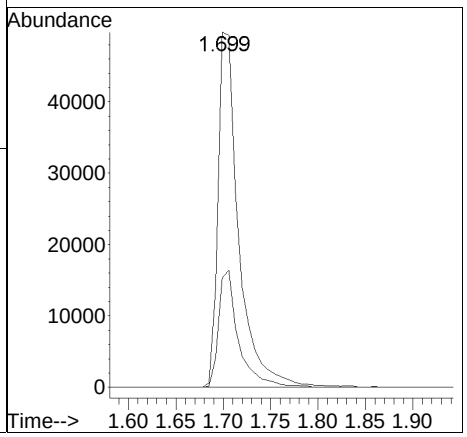


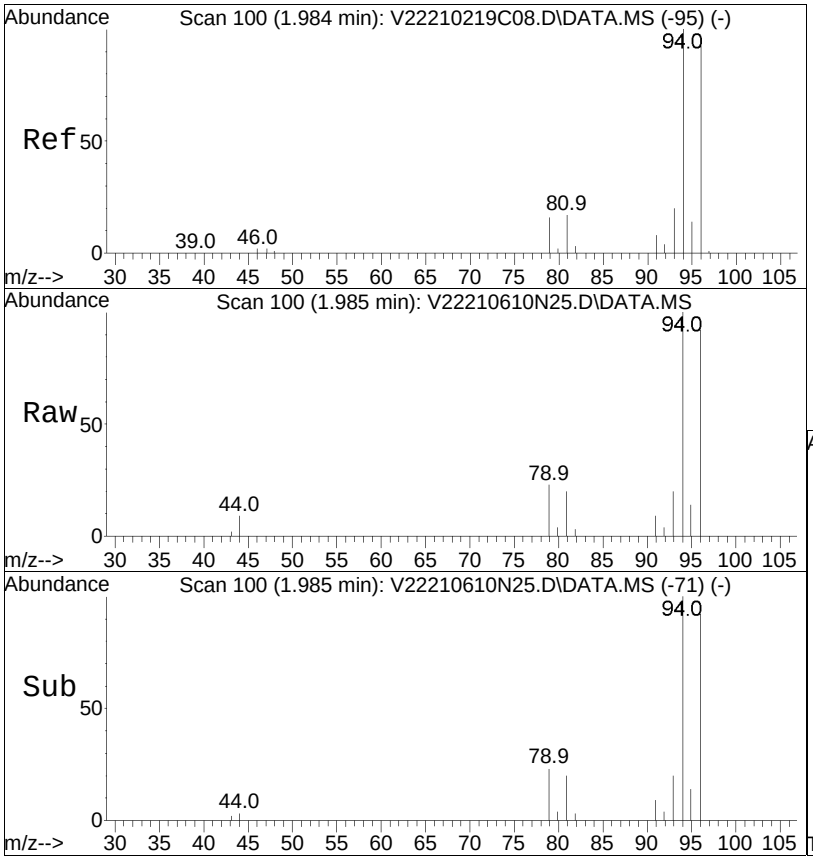


#4
Vinyl chloride
Concen: 11.49 ug/L
RT: 1.699 min Scan# 59
Delta R.T. -0.007 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 62 Resp: 76142

Ion	Ratio	Lower	Upper
62	100		
64	31.8	12.0	52.0

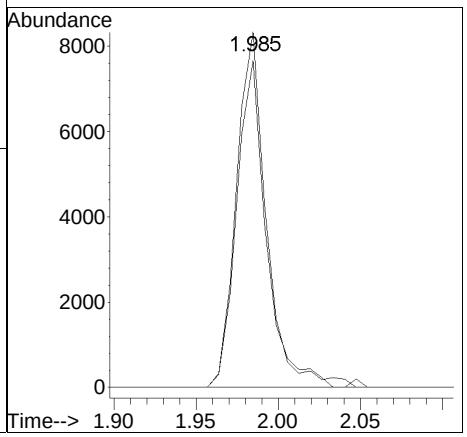


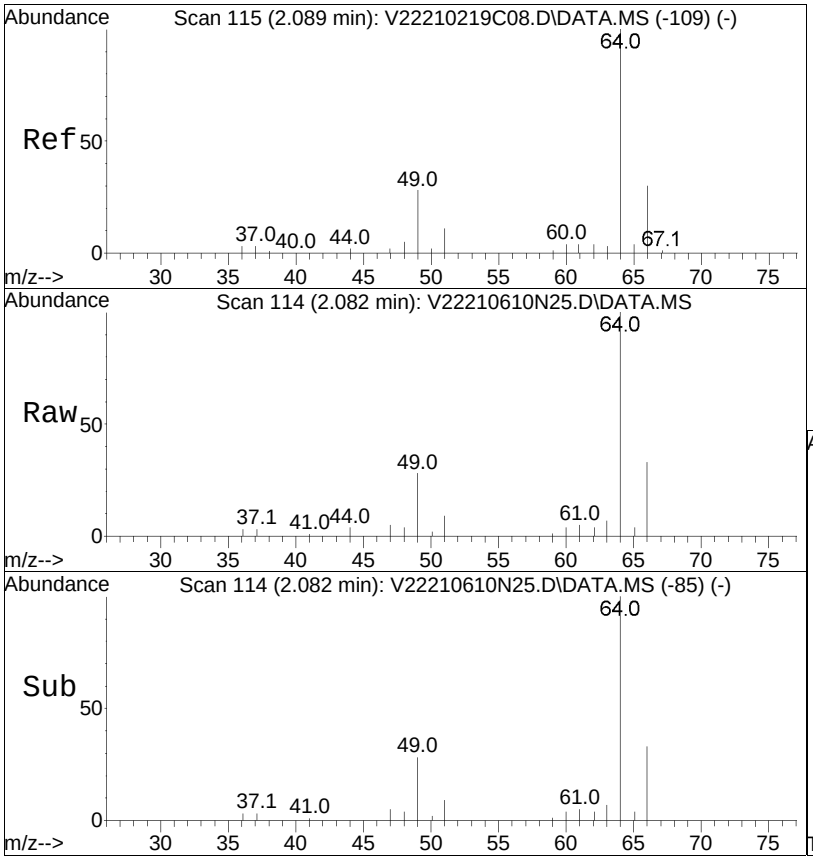


#5
Bromomethane
Concen: 5.22 ug/L
RT: 1.985 min Scan# 100
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 94 Resp: 10652

Ion	Ratio	Lower	Upper
94	100		
96	90.9	72.8	112.8

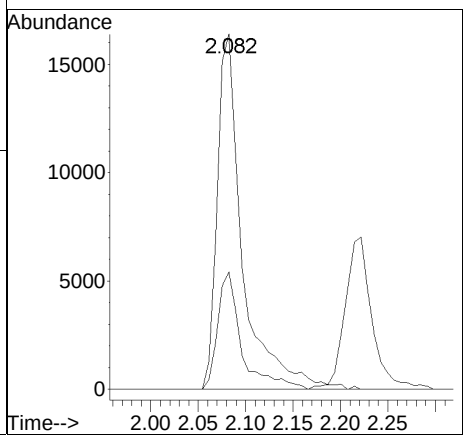


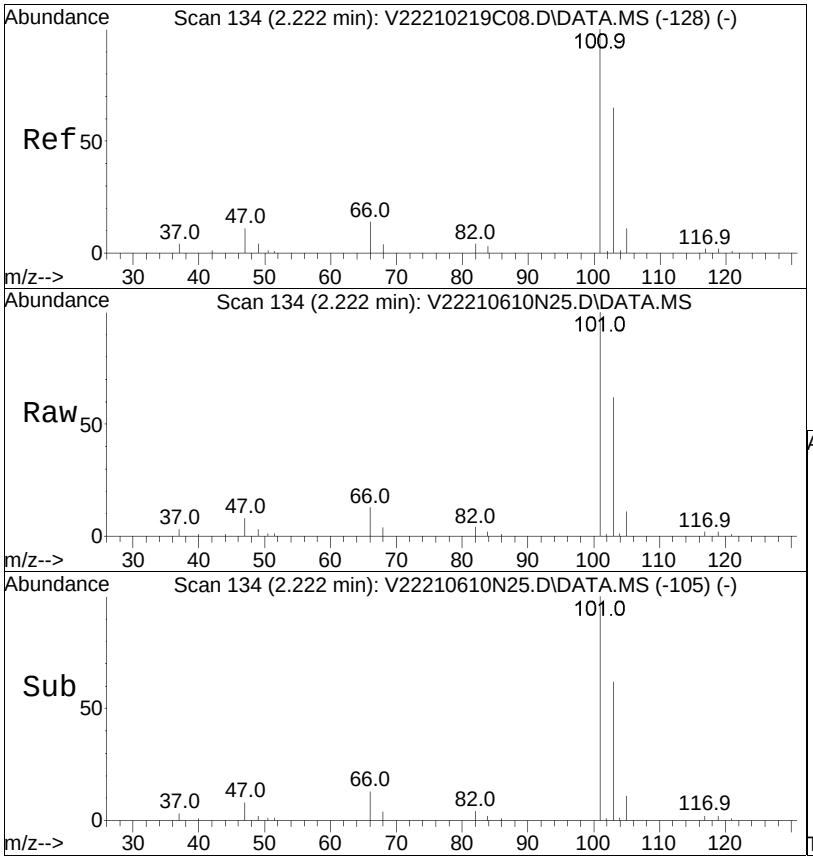


#6
Chloroethane
Concen: 7.94 ug/L
RT: 2.082 min Scan# 114
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 64 Resp: 30475

Ion	Ratio	Lower	Upper
64	100		
66	31.2	12.2	52.2

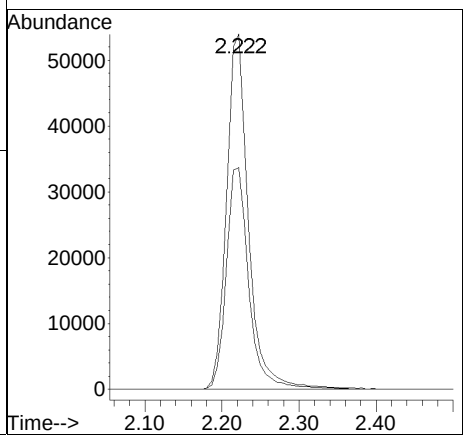


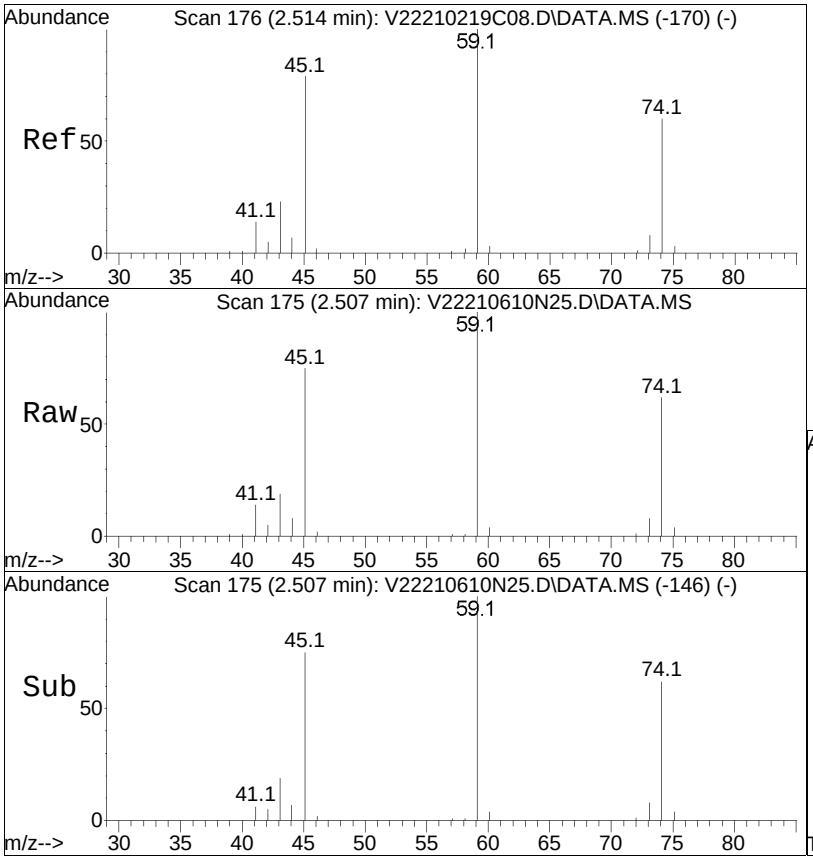


#7
Trichlorofluoromethane
Concen: 13.28 ug/L
RT: 2.222 min Scan# 134
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:101 Resp: 107394

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.6	77.4

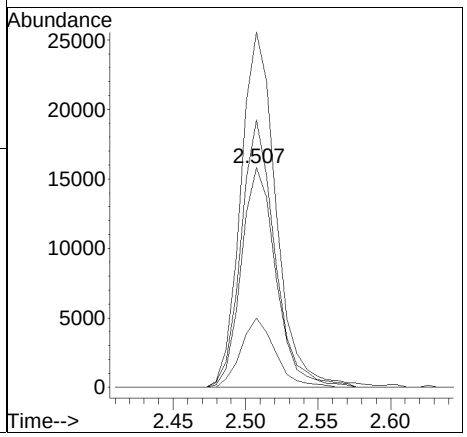


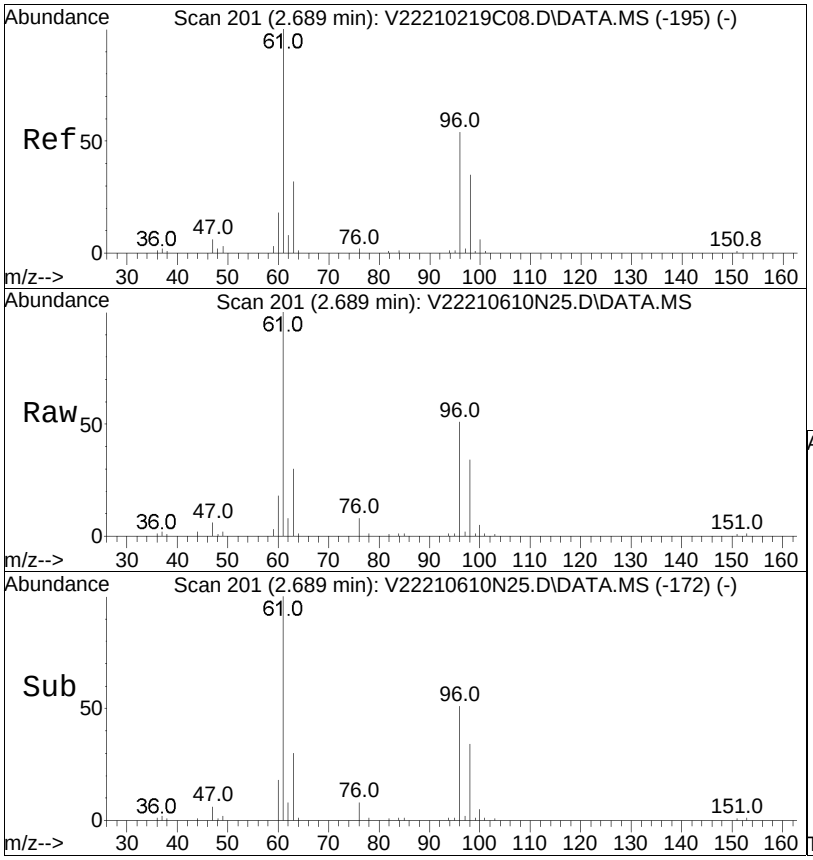


#8
Ethyl ether
Concen: 9.88 ug/L
RT: 2.507 min Scan# 175
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 74 Resp: 26484

Ion	Ratio	Lower	Upper
74	100		
59	165.6	2122.4	4408.0#
45	118.3	1435.1	2980.5#
43	31.2	407.9	847.3#

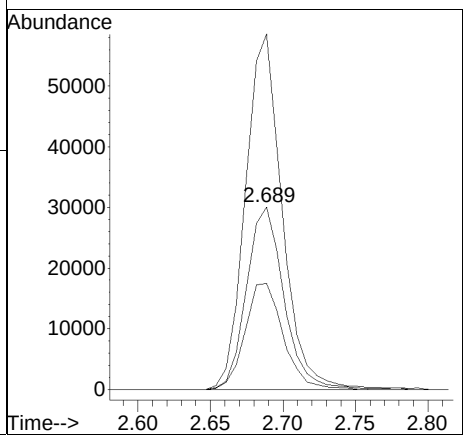


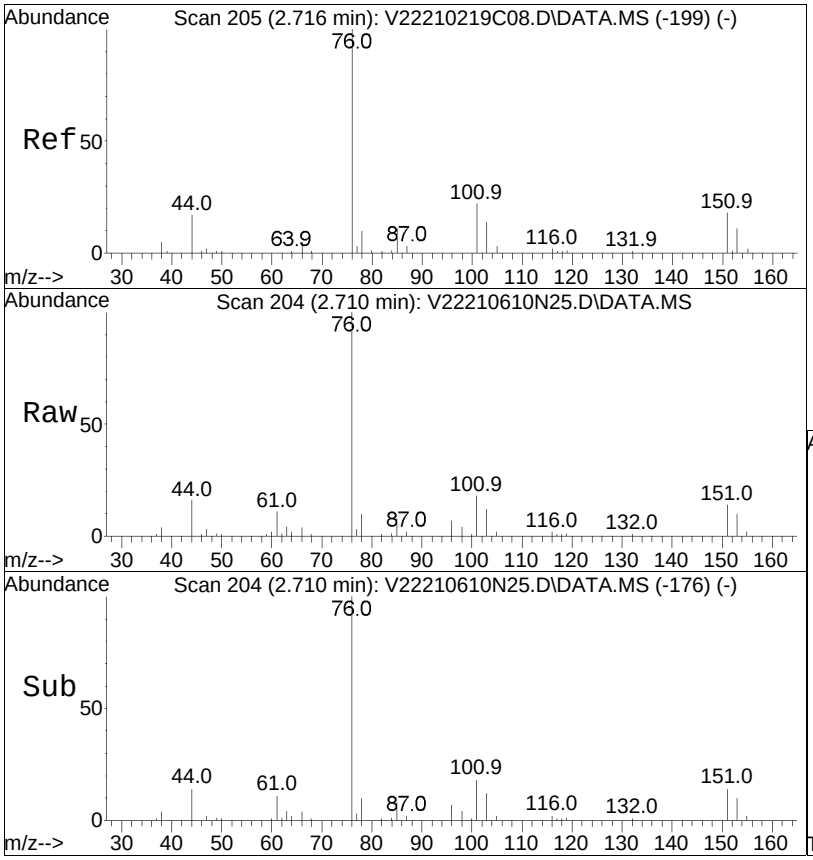


#10
1,1-Dichloroethene
Concen: 11.13 ug/L
RT: 2.689 min Scan# 201
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 96 Resp: 53876

Ion	Ratio	Lower	Upper
96	100		
61	191.8	117.0	175.4#
63	59.5	37.8	56.6#

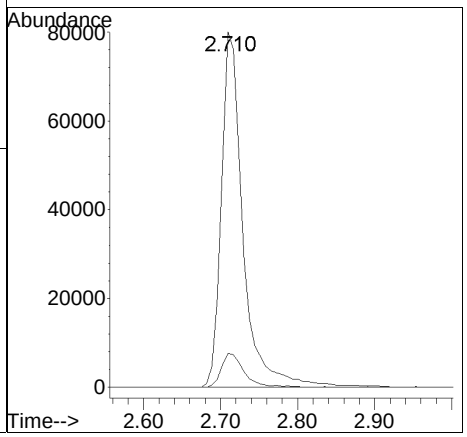


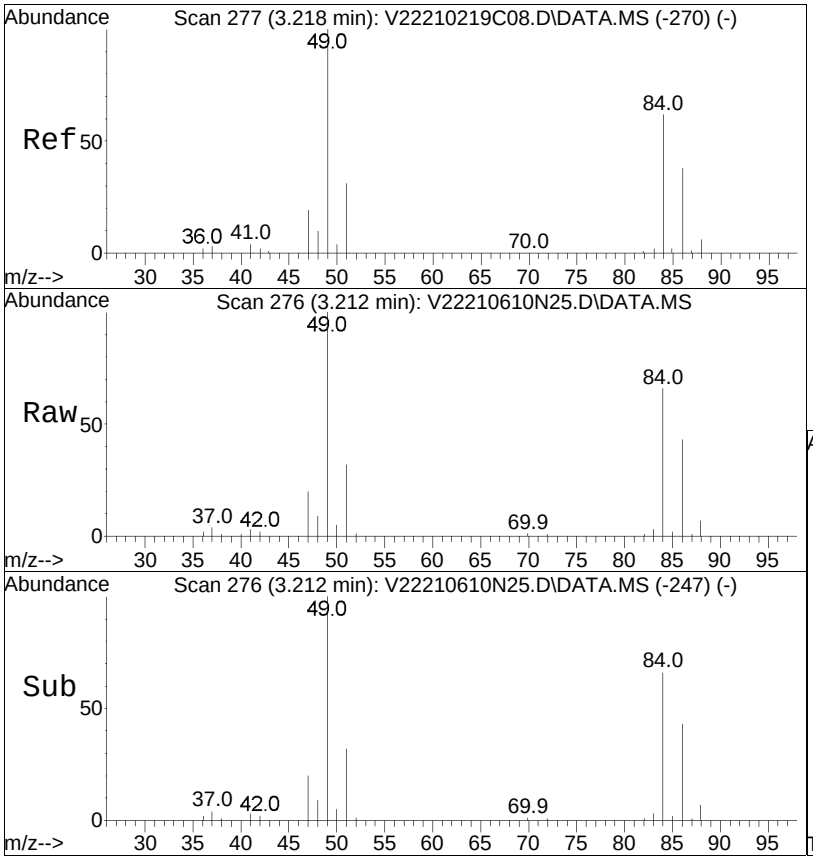


#11
Carbon disulfide
Concen: 10.69 ug/L
RT: 2.710 min Scan# 204
Delta R.T. -0.007 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 76 Resp: 157330

Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.4	13.4

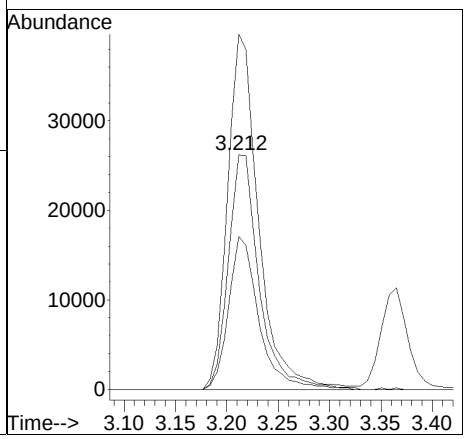


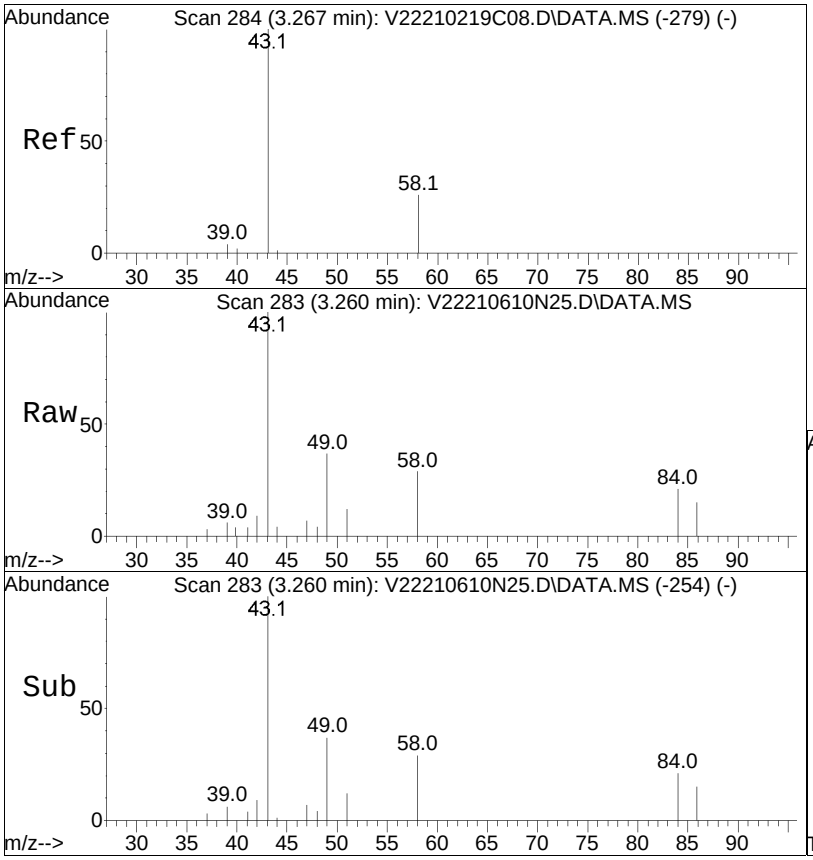


#15
Methylene chloride
Concen: 10.00 ug/L
RT: 3.212 min Scan# 276
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 84 Resp: 54700

Ion	Ratio	Lower	Upper
84	100		
86	64.3	41.5	86.3
49	151.9	68.8	143.0#

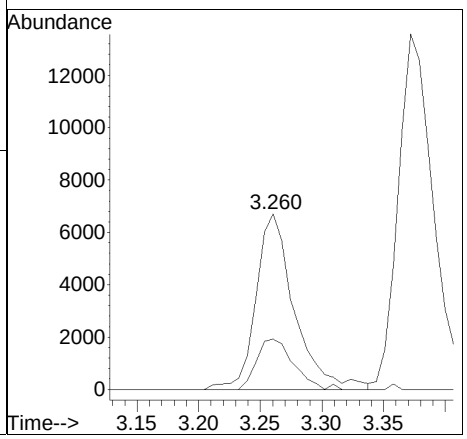


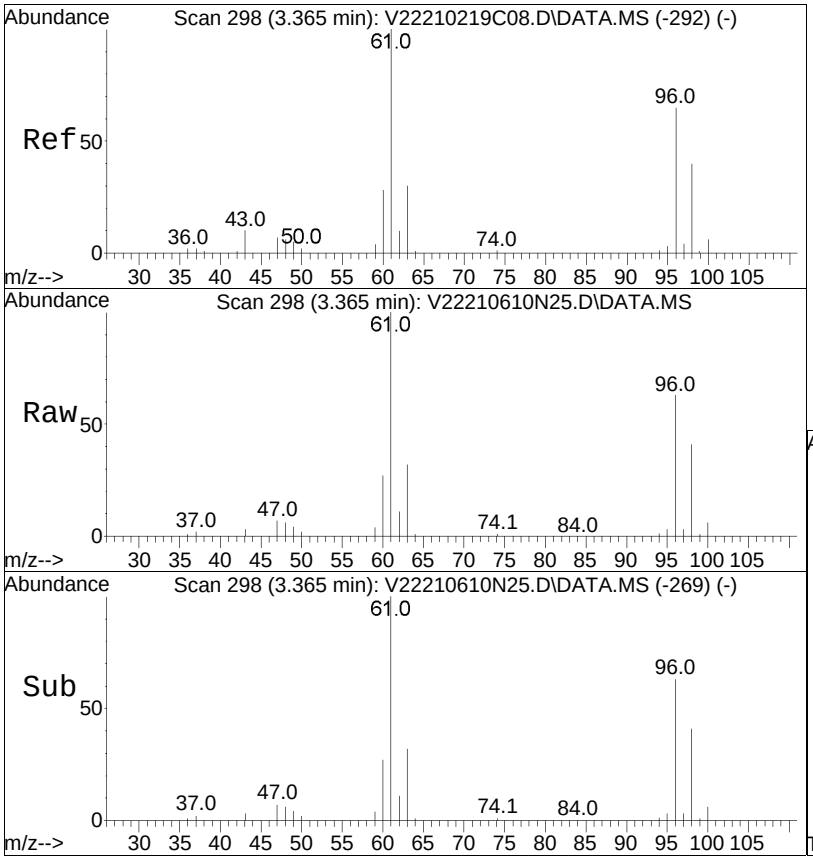


#17
Acetone
Concen: 10.53 ug/L
RT: 3.260 min Scan# 283
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 43 Resp: 14543

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.1	34.7

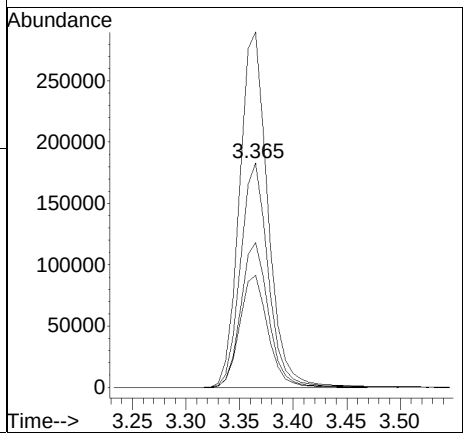


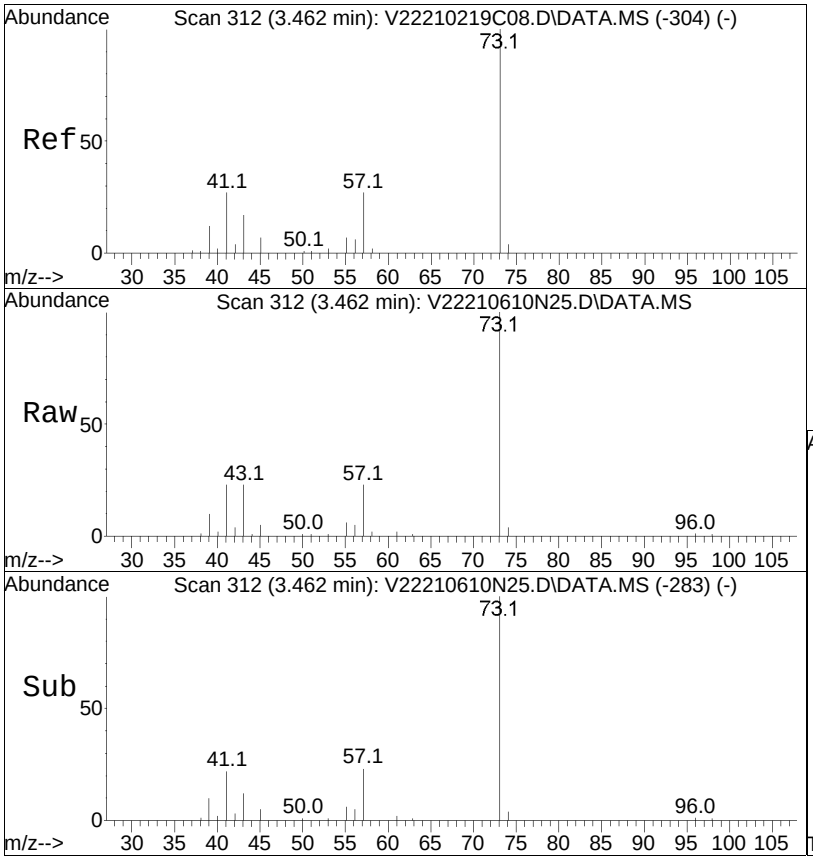


#18
trans-1,2-Dichloroethene
Concen: 63.92 ug/L
RT: 3.365 min Scan# 298
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 96 Resp: 330442

Ion	Ratio	Lower	Upper
96	100		
61	162.3	81.6	169.6
98	64.8	41.8	86.8
63	51.1	26.3	54.7

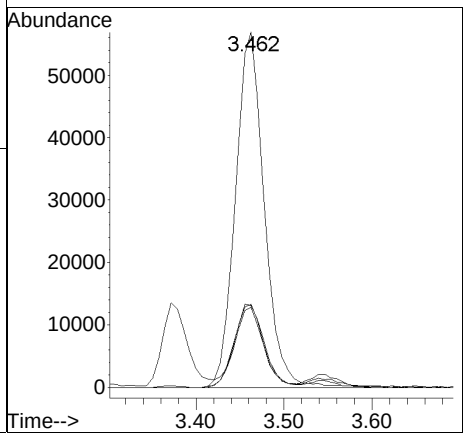


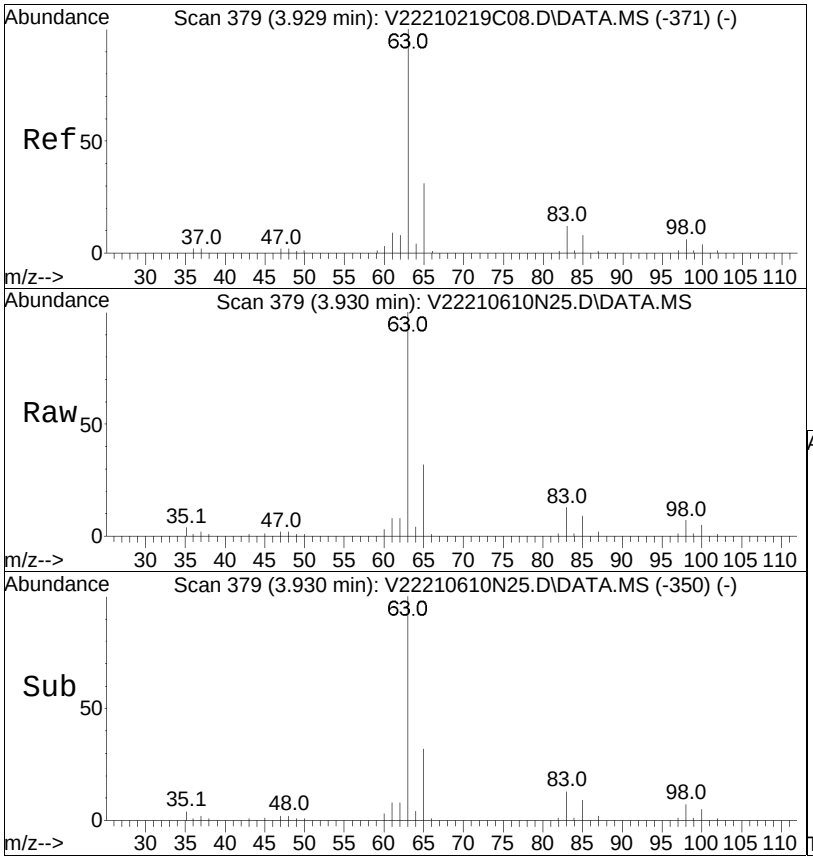


#21
Methyl tert-butyl ether
Concen: 10.82 ug/L
RT: 3.462 min Scan# 312
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 73 Resp: 129660

Ion	Ratio	Lower	Upper
73	100		
57	24.4	13.6	28.2
43	23.4	12.7	26.5
41	22.5	11.4	23.8

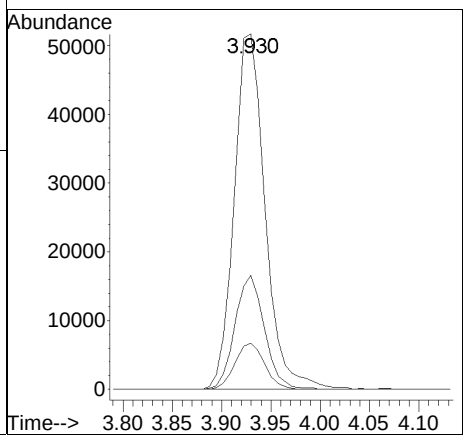


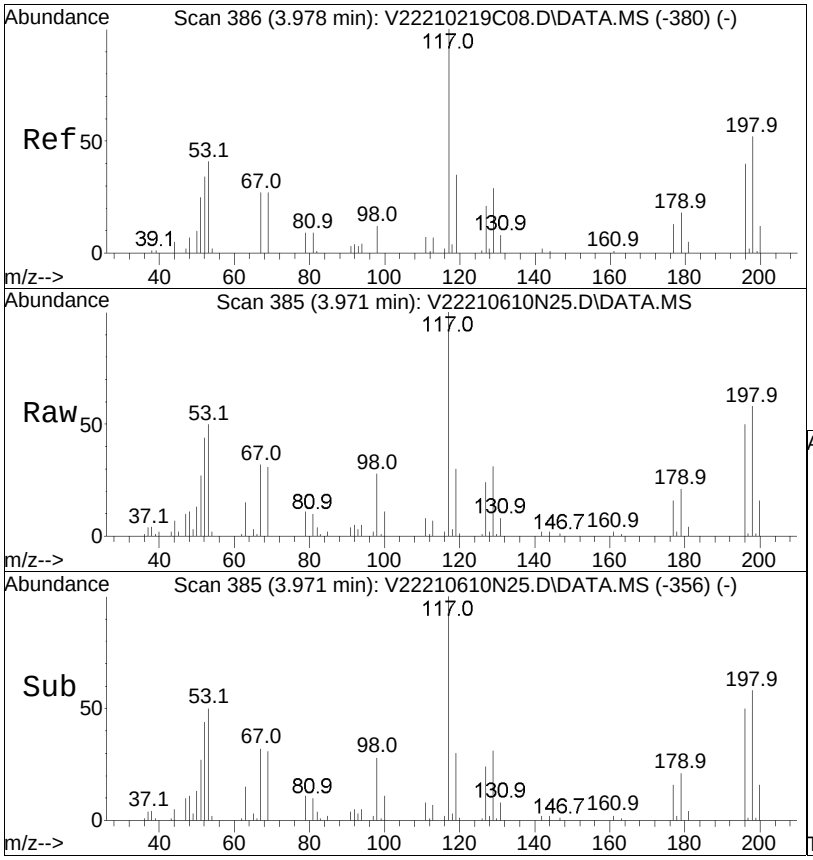


#25
1,1-Dichloroethane
Concen: 10.10 ug/L
RT: 3.930 min Scan# 379
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 63 Resp: 113022

Ion	Ratio	Lower	Upper
63	100		
65	30.6	11.9	51.9
83	12.5	0.0	34.2

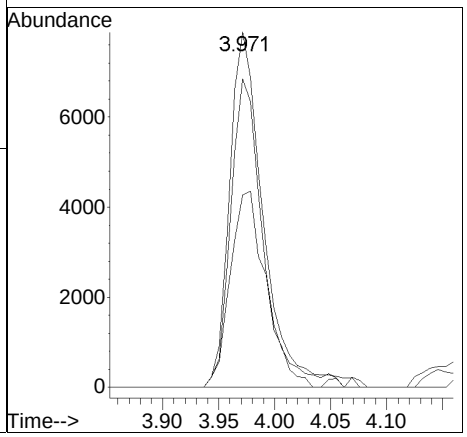


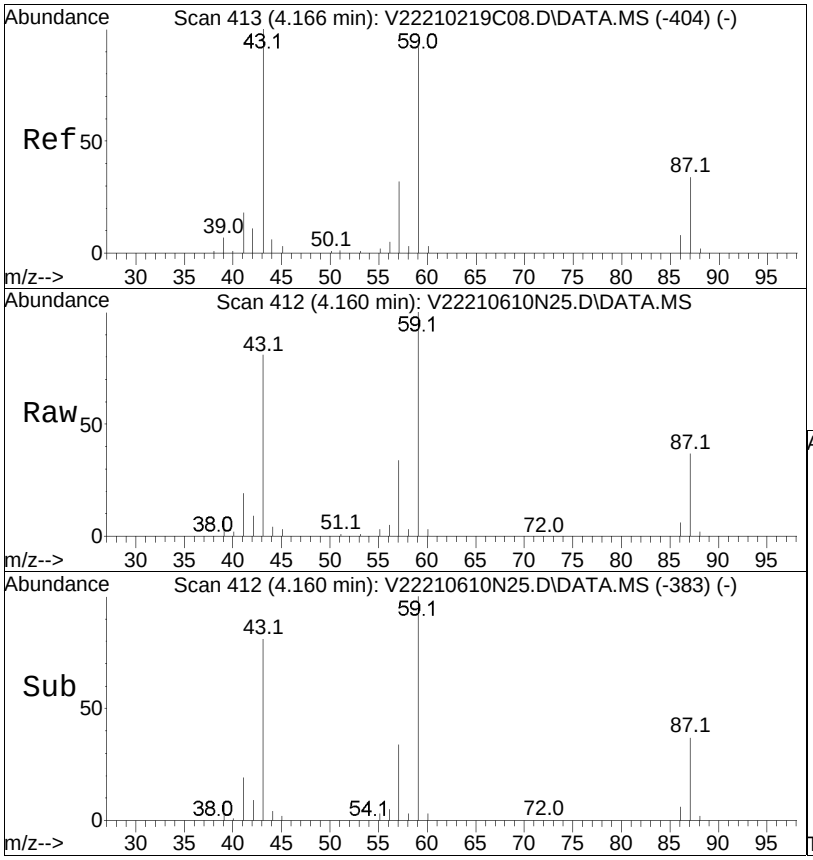


#27
Acrylonitrile
Concen: 10.43 ug/L
RT: 3.971 min Scan# 385
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 53 Resp: 16669

Ion	Ratio	Lower	Upper
53	100		
52	83.8	63.8	95.8
51	58.1	50.2	75.4

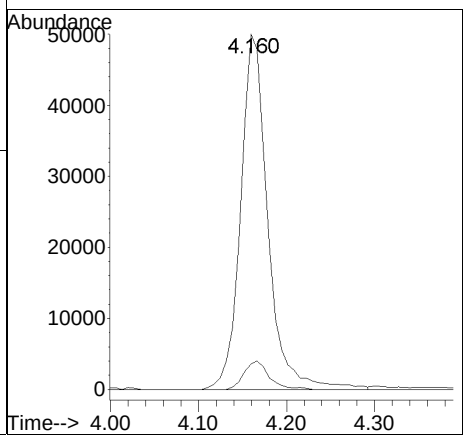


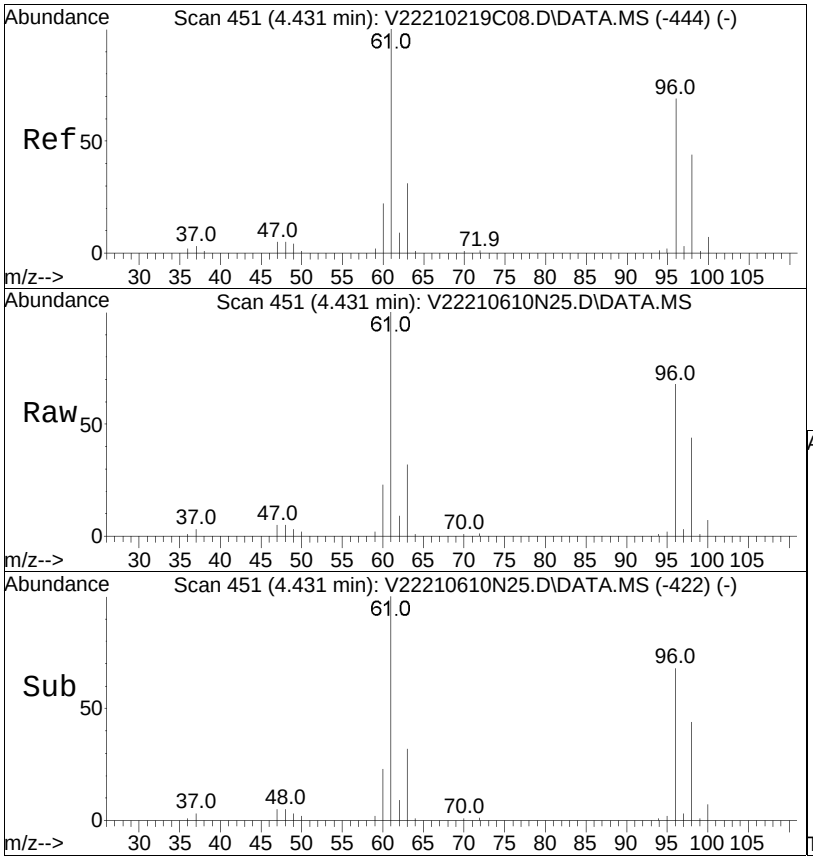


#29
Vinyl acetate
Concen: 10.69 ug/L
RT: 4.160 min Scan# 412
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 43 Resp: 107520

Ion	Ratio	Lower	Upper
43	100		
86	7.3	8.9	13.3#

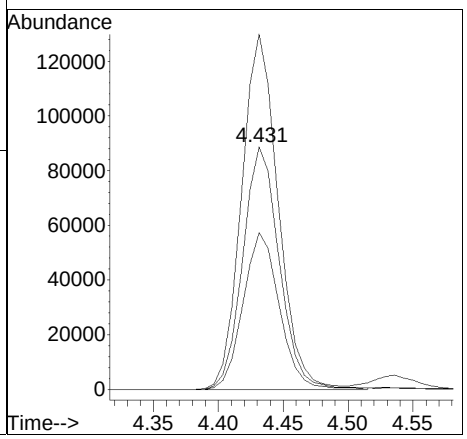


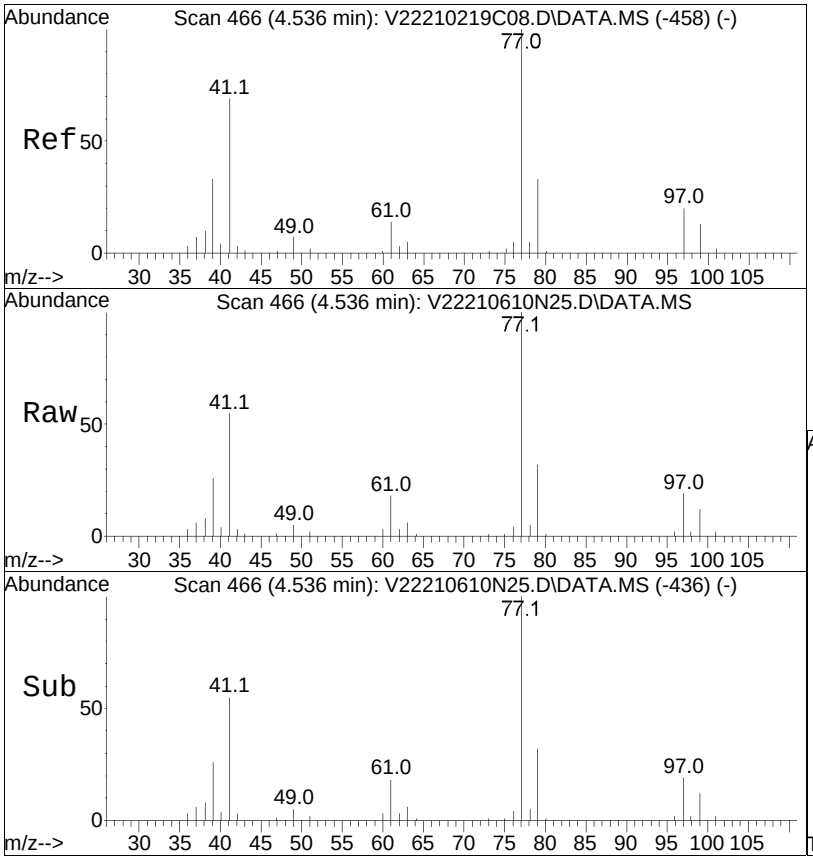


#30
cis-1,2-Dichloroethene
Concen: 29.55 ug/L
RT: 4.431 min Scan# 451
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 96 Resp: 173673

Ion	Ratio	Lower	Upper
96	100		
61	146.3	90.3	135.5#
98	64.4	50.8	76.2

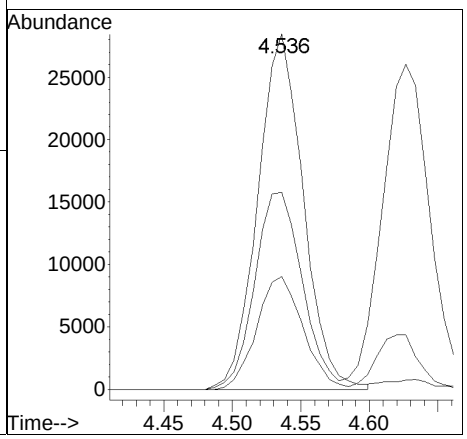


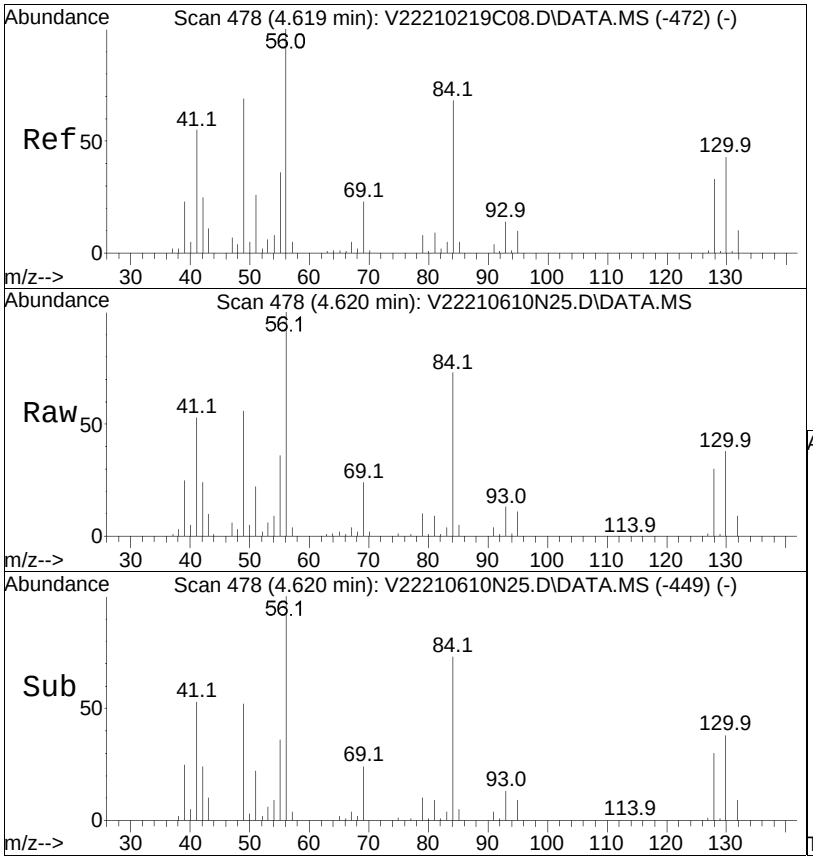


#31
2,2-Dichloropropane
Concen: 8.34 ug/L
RT: 4.536 min Scan# 466
Delta R.T. 0.007 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 77 Resp: 65673

Ion	Ratio	Lower	Upper
77	100		
41	57.8	32.3	67.1
79	32.4	21.1	43.7

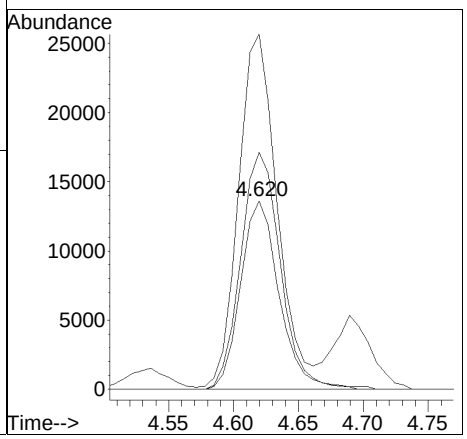


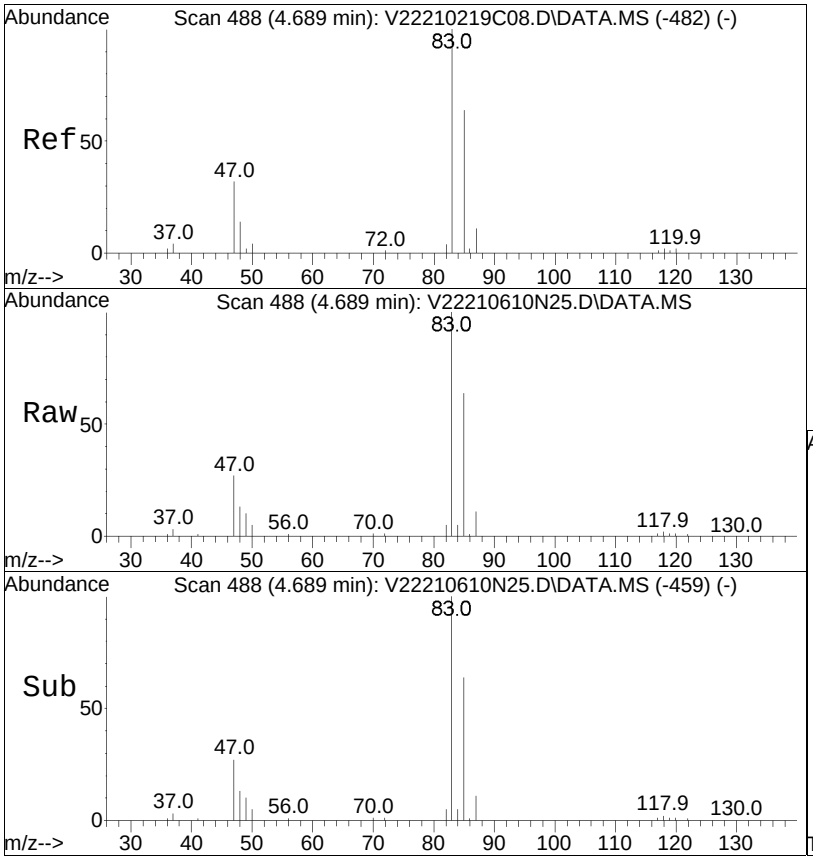


#32
Bromochloromethane
Concen: 11.79 ug/L
RT: 4.620 min Scan# 478
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:128 Resp: 28173

Ion	Ratio	Lower	Upper
128	100		
49	189.1	104.4	156.6#
130	129.9	103.9	155.9

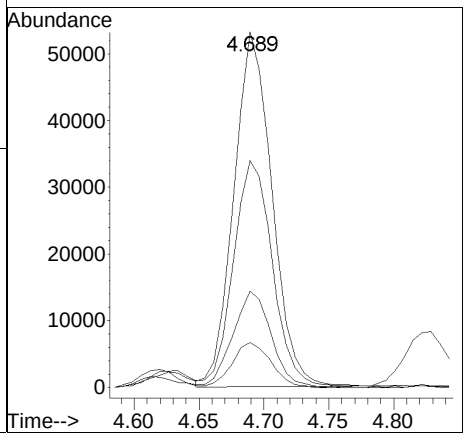


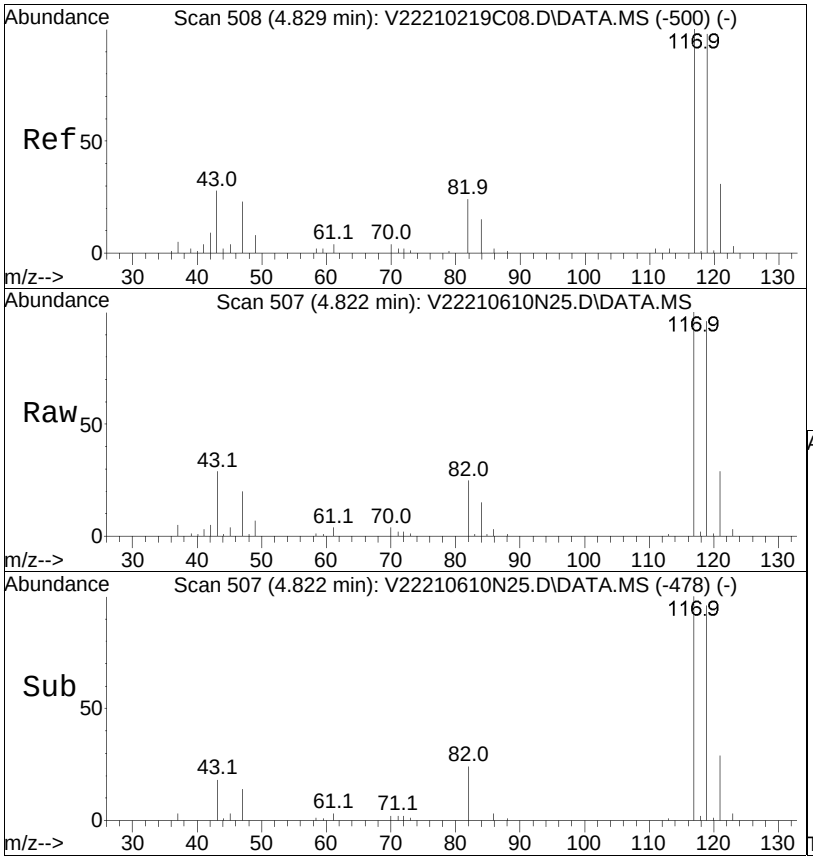


#34
Chloroform
Concen: 10.91 ug/L
RT: 4.689 min Scan# 488
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 83 Resp: 108835

Ion	Ratio	Lower	Upper
83	100		
85	66.1	42.4	88.2
47	27.3	14.0	29.0
48	12.8	6.9	14.3

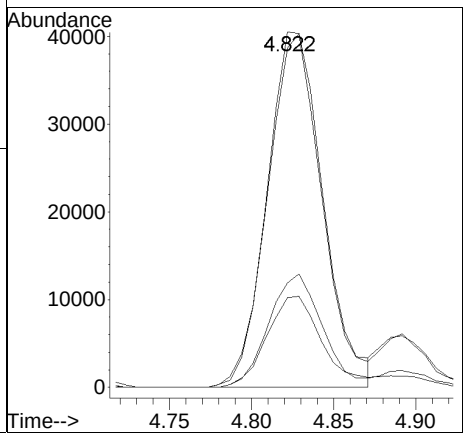


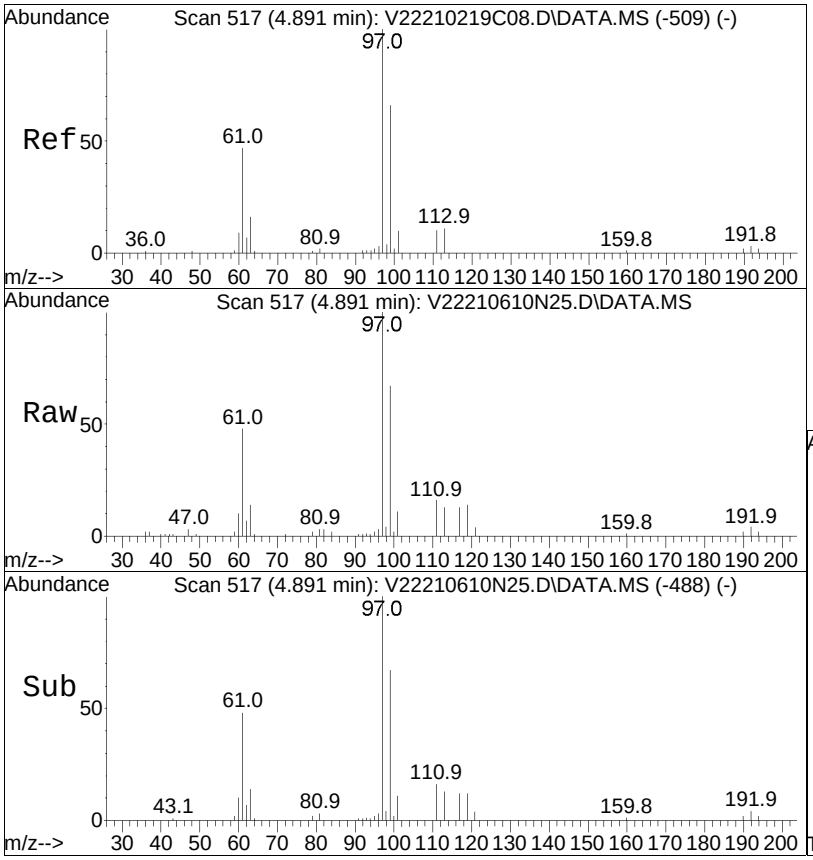


#36
Carbon tetrachloride
Concen: 13.26 ug/L
RT: 4.822 min Scan# 507
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:117 Resp: 95996

Ion	Ratio	Lower	Upper
117	100		
119	96.0	62.1	129.1
121	30.6	20.3	42.3
82	25.4	15.4	32.0

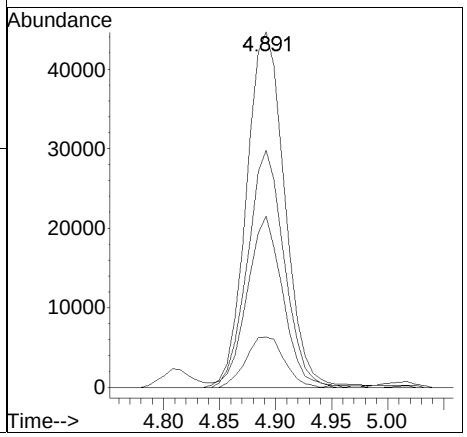


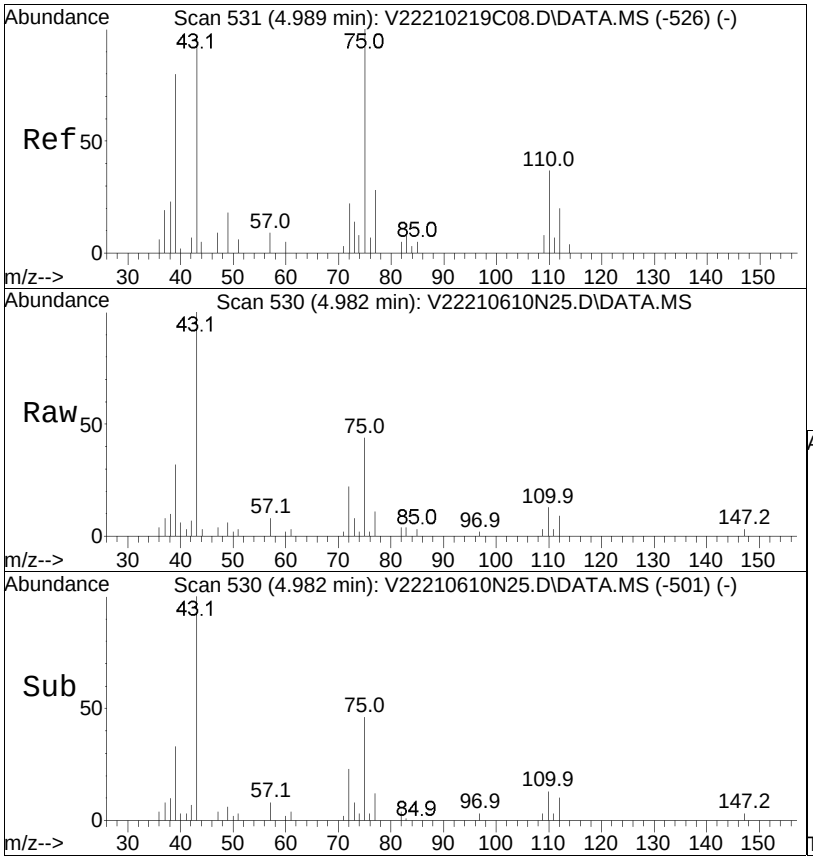


#39
1,1,1-Trichloroethane
Concen: 12.27 ug/L
RT: 4.891 min Scan# 517
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 97 Resp: 105933

Ion	Ratio	Lower	Upper
97	100		
99	64.2	42.4	88.0
61	45.2	26.0	54.0
63	14.3	8.3	17.3

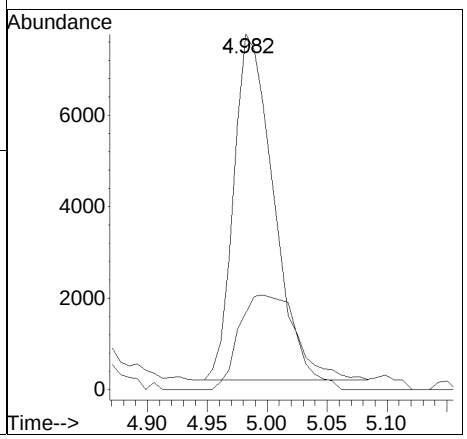


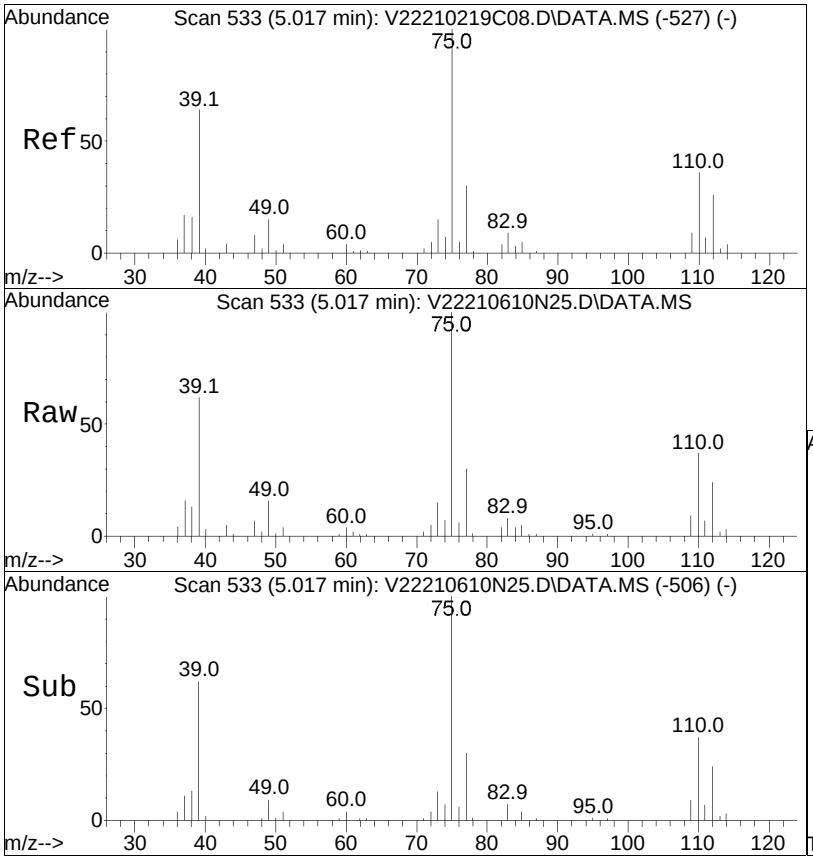


#41
2-Butanone
Concen: 9.45 ug/L
RT: 4.982 min Scan# 530
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 43 Resp: 16412

Ion	Ratio	Lower	Upper
43	100		
72	35.9	45.8	68.8#

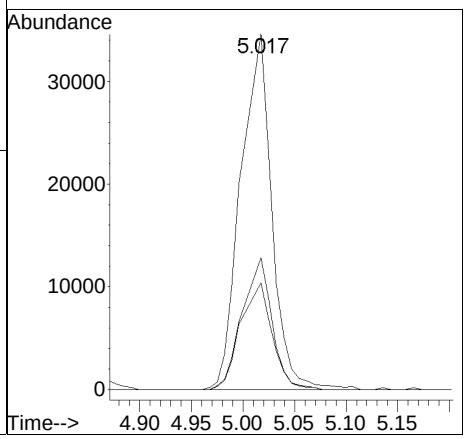


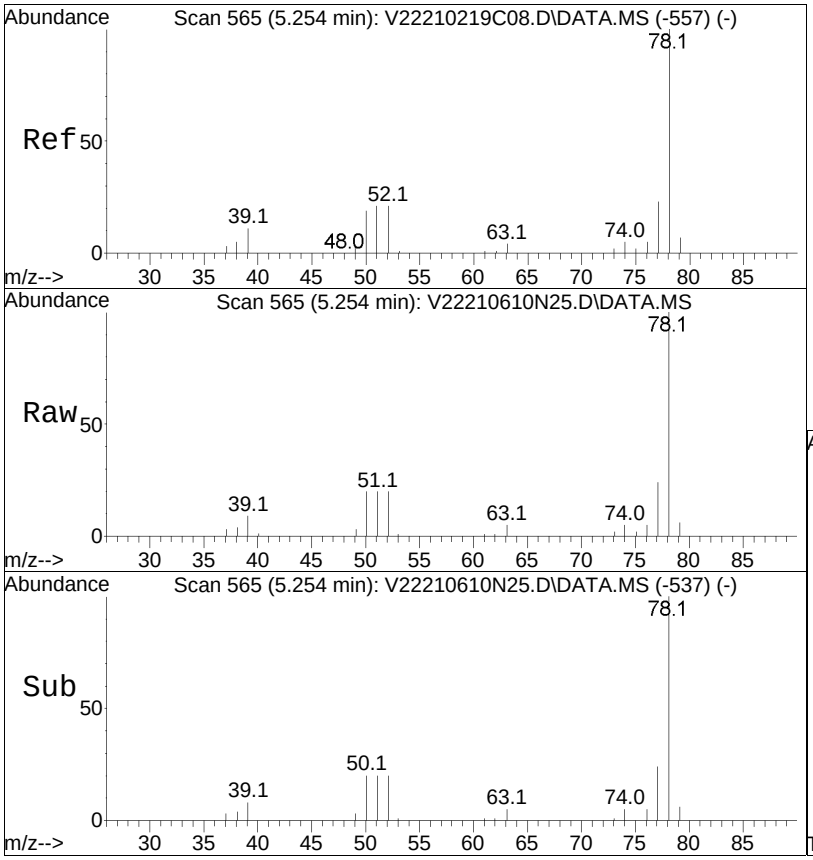


#42
1,1-Dichloropropene
Concen: 10.73 ug/L
RT: 5.017 min Scan# 533
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 75 Resp: 54028

Ion	Ratio	Lower	Upper
75	100		
110	36.6	25.4	52.8
77	31.3	20.3	42.1

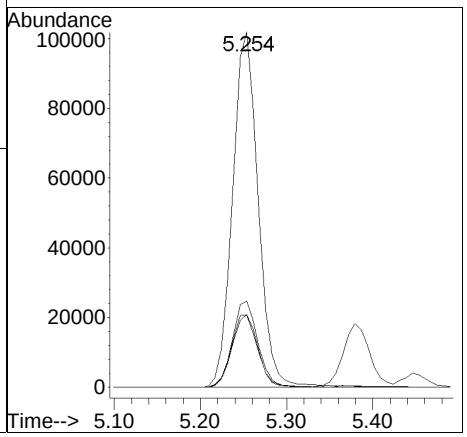


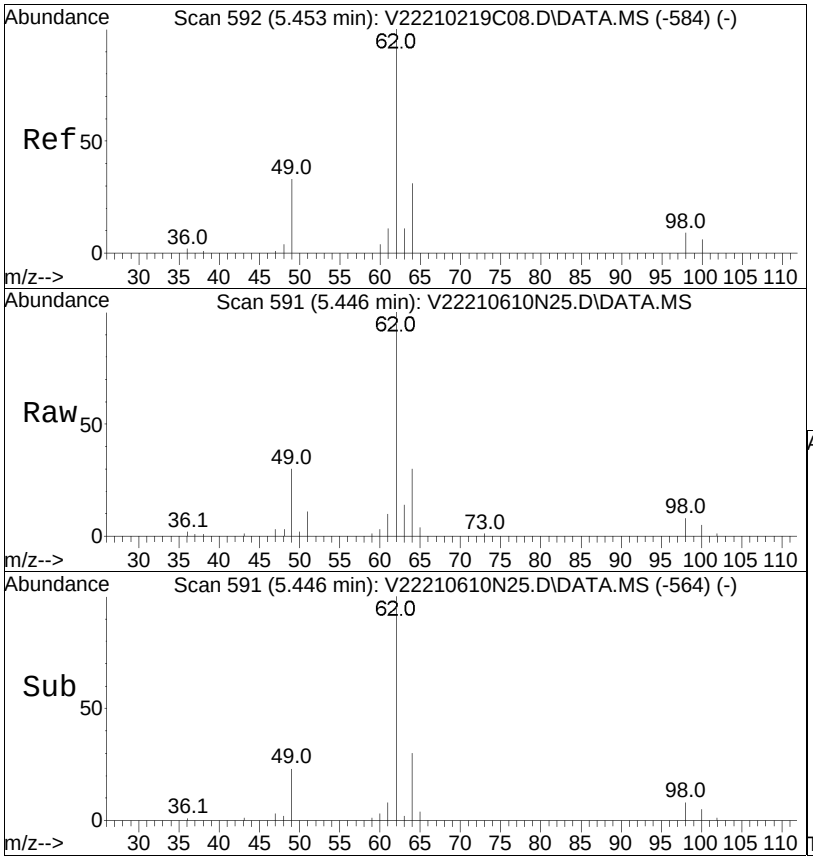


#44
Benzene
Concen: 10.10 ug/L
RT: 5.254 min Scan# 565
Delta R.T. 0.008 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 78 Resp: 211358

Ion	Ratio	Lower	Upper
78	100		
77	24.2	15.4	32.0
51	20.9	9.8	20.4#
52	20.5	9.2	19.2#

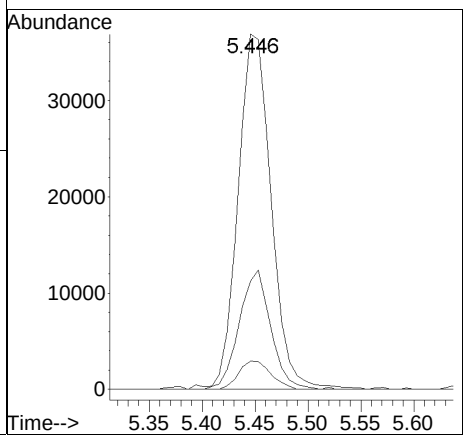


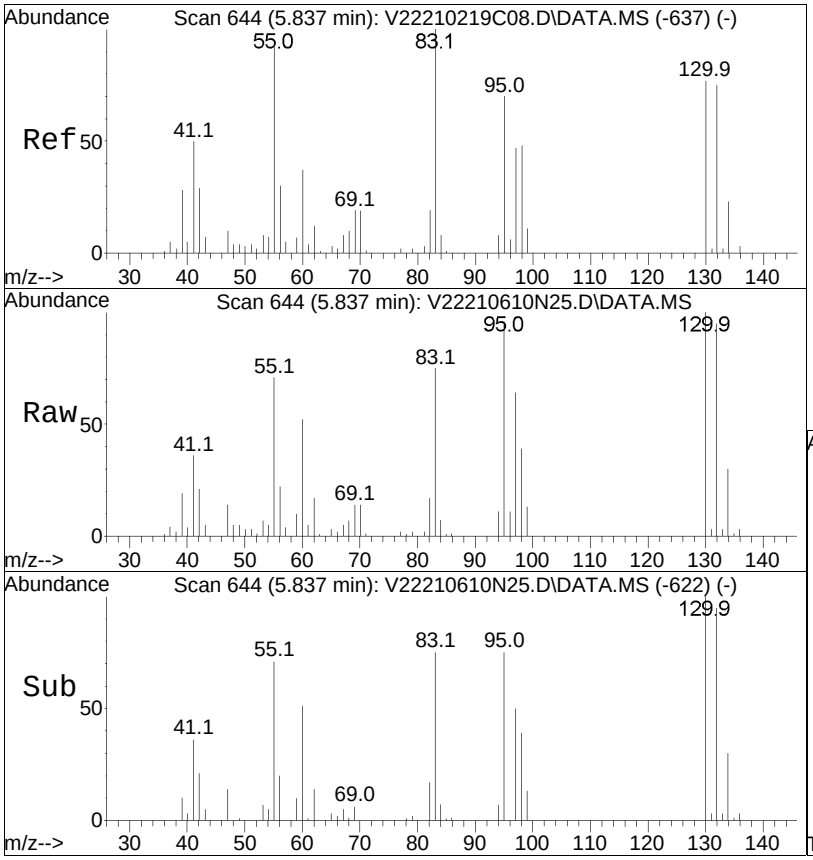


#47
1,2-Dichloroethane
Concen: 10.96 ug/L
RT: 5.446 min Scan# 591
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 62 Resp: 80361

Ion	Ratio	Lower	Upper
62	100		
64	32.3	12.3	52.3
98	7.8	0.0	30.3

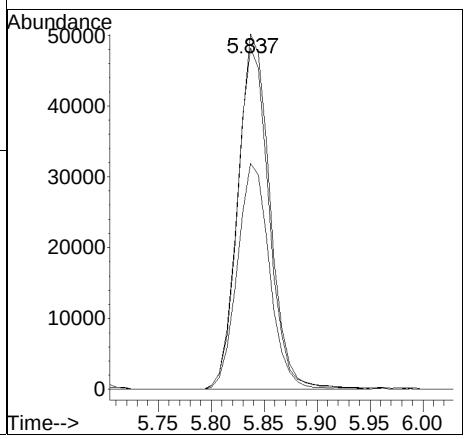


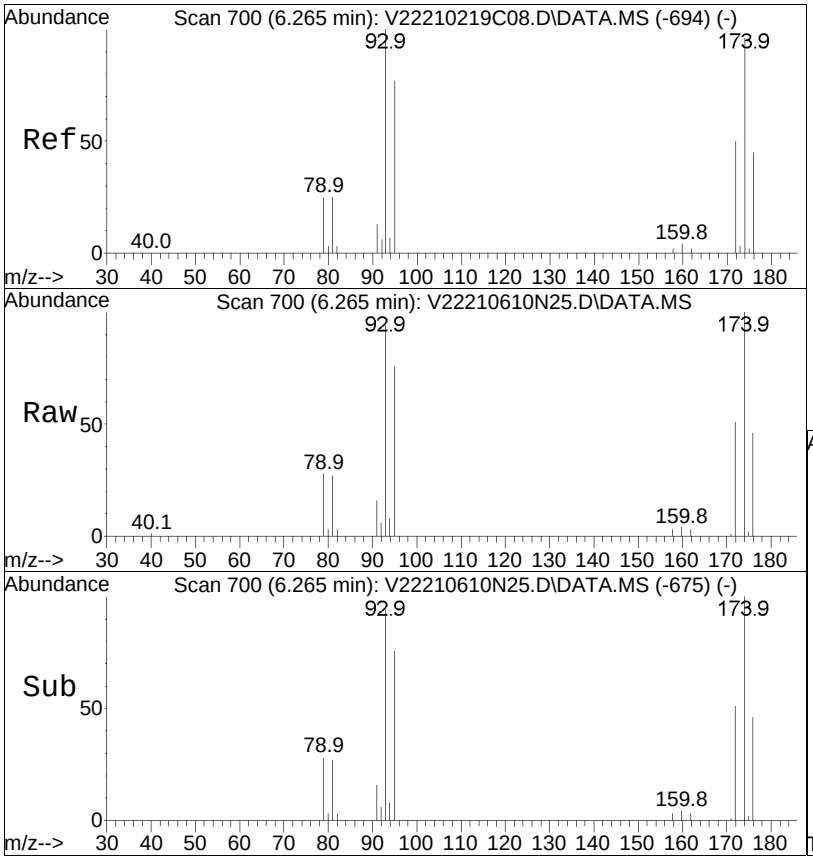


#51
Trichloroethene
Concen: 18.14 ug/L
RT: 5.837 min Scan# 644
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 95 Resp: 100929

Ion	Ratio	Lower	Upper
95	100		
97	67.2	55.0	82.4
130	104.6	89.2	133.8

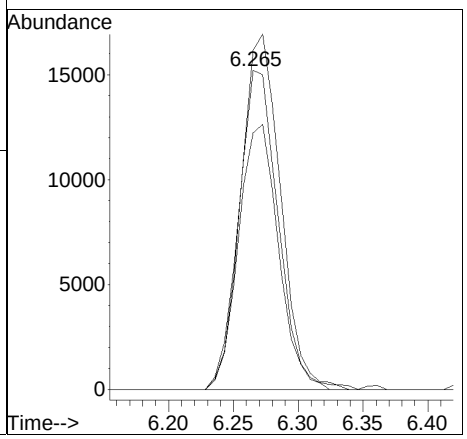


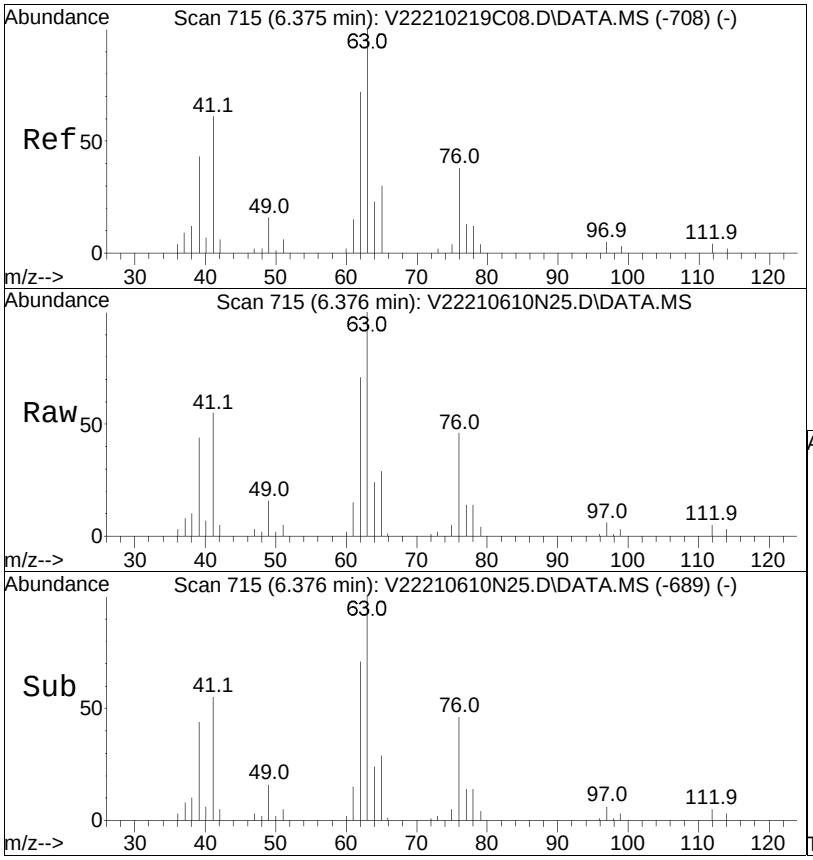


#53
Dibromomethane
Concen: 10.31 ug/L
RT: 6.265 min Scan# 700
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 93 Resp: 32293

Ion	Ratio	Lower	Upper
93	100		
95	83.8	68.0	102.0
174	112.0	106.1	159.1

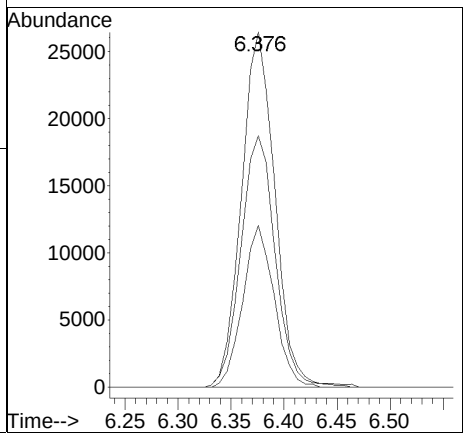


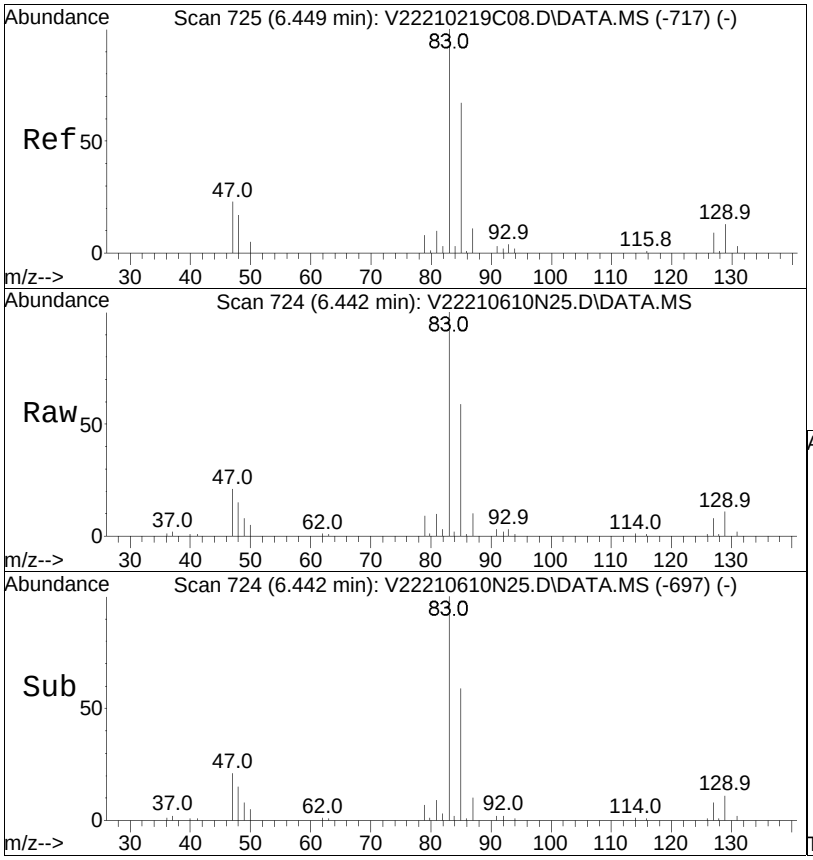


#54
1,2-Dichloropropane
Concen: 9.83 ug/L
RT: 6.376 min Scan# 715
Delta R.T. 0.008 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 63 Resp: 58149

Ion	Ratio	Lower	Upper
63	100		
62	72.7	56.9	85.3
76	42.9	35.8	53.8

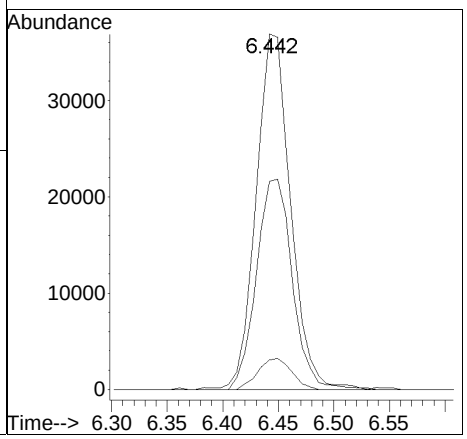


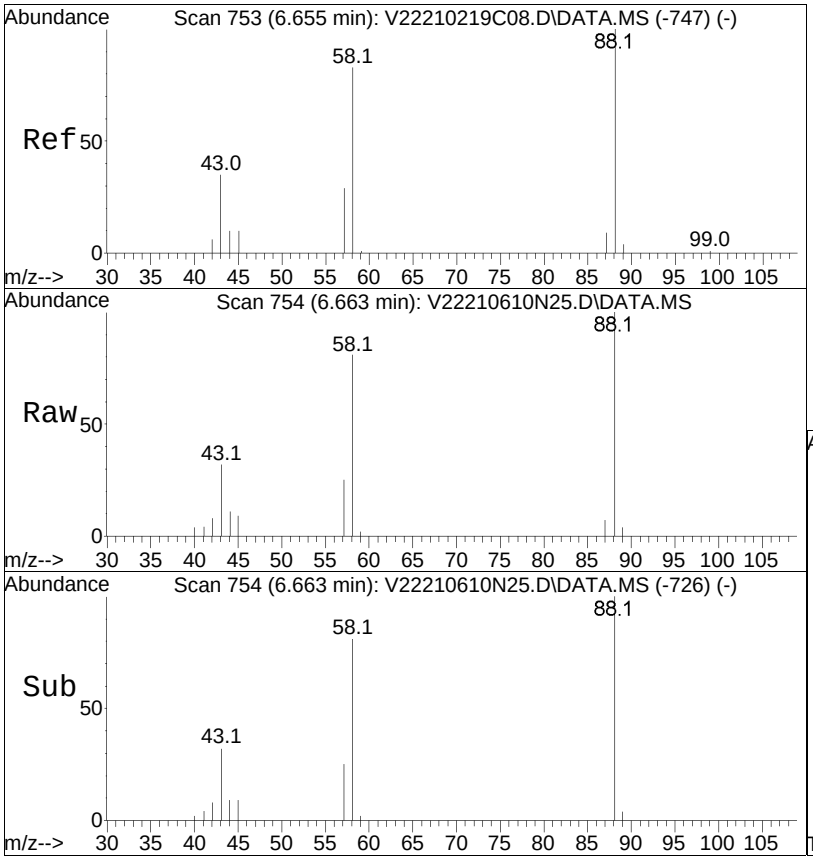


#57
Bromodichloromethane
Concen: 10.87 ug/L
RT: 6.442 min Scan# 724
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 83 Resp: 79607

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.6	77.4
127	8.5	7.4	11.0

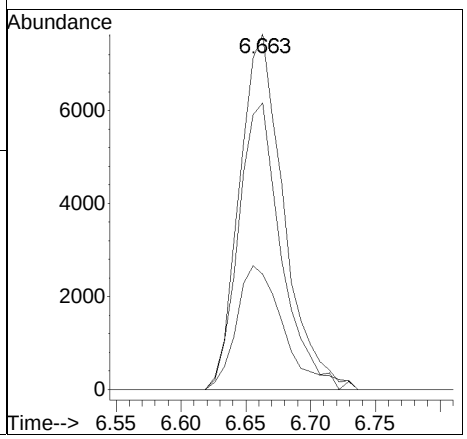


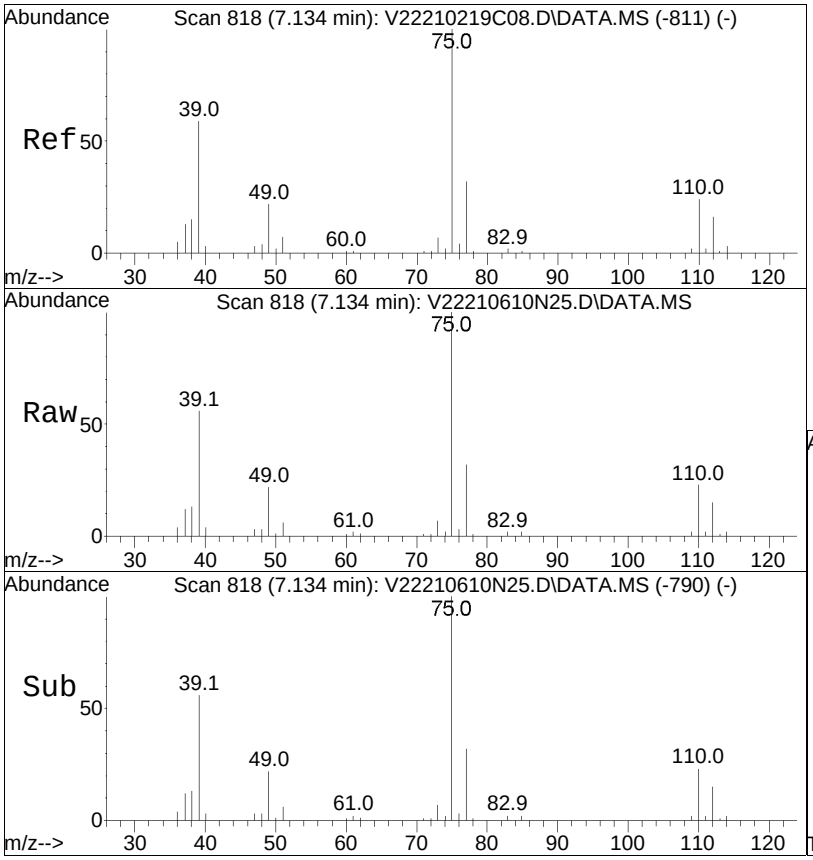


#60
1,4-Dioxane
Concen: 518.36 ug/L
RT: 6.663 min Scan# 754
Delta R.T. 0.007 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 88 Resp: 18145

Ion	Ratio	Lower	Upper
88	100		
58	78.0	43.3	64.9#
43	37.5	15.1	22.7#

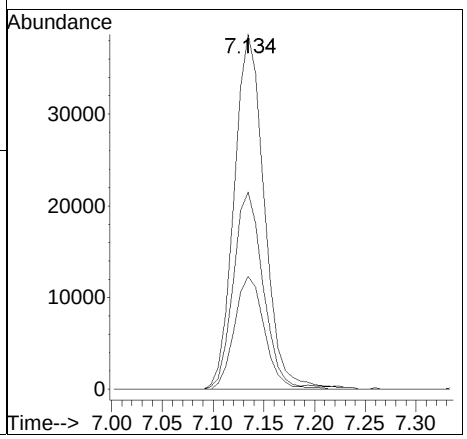


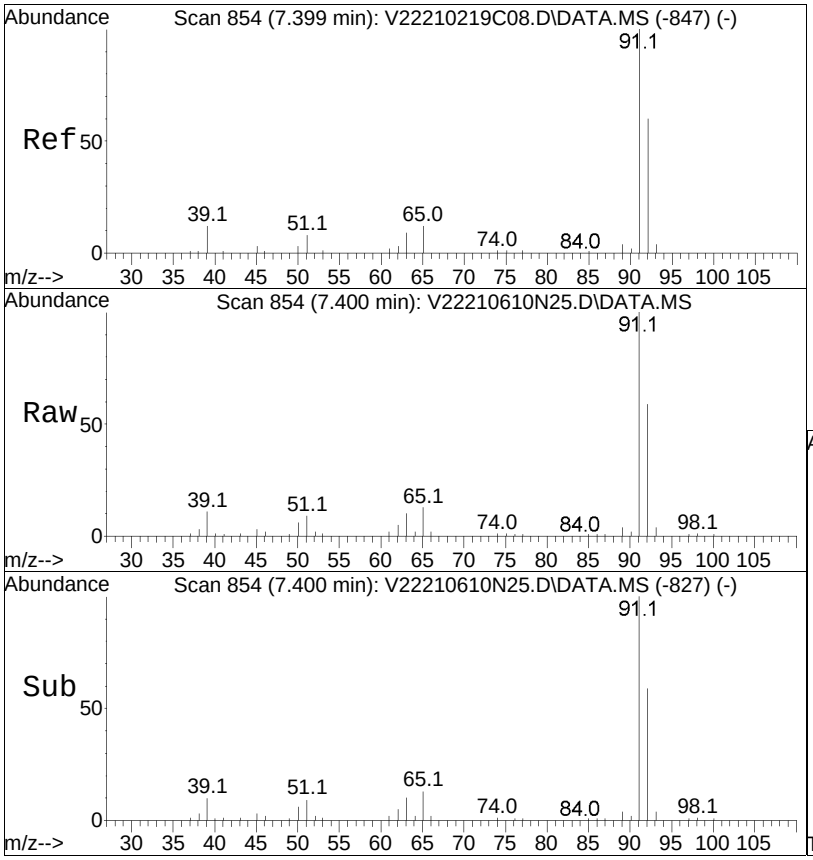


#61
cis-1,3-Dichloropropene
Concen: 9.73 ug/L
RT: 7.134 min Scan# 818
Delta R.T. 0.007 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 75 Resp: 80517

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	55.7	35.4	53.0#

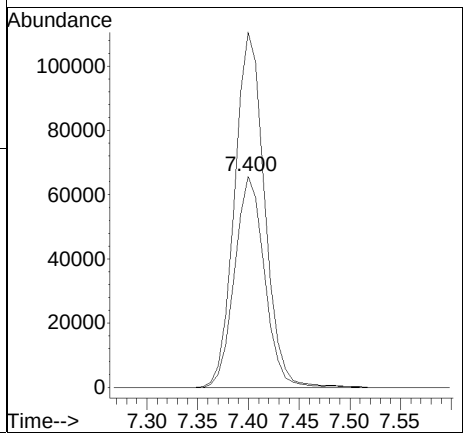


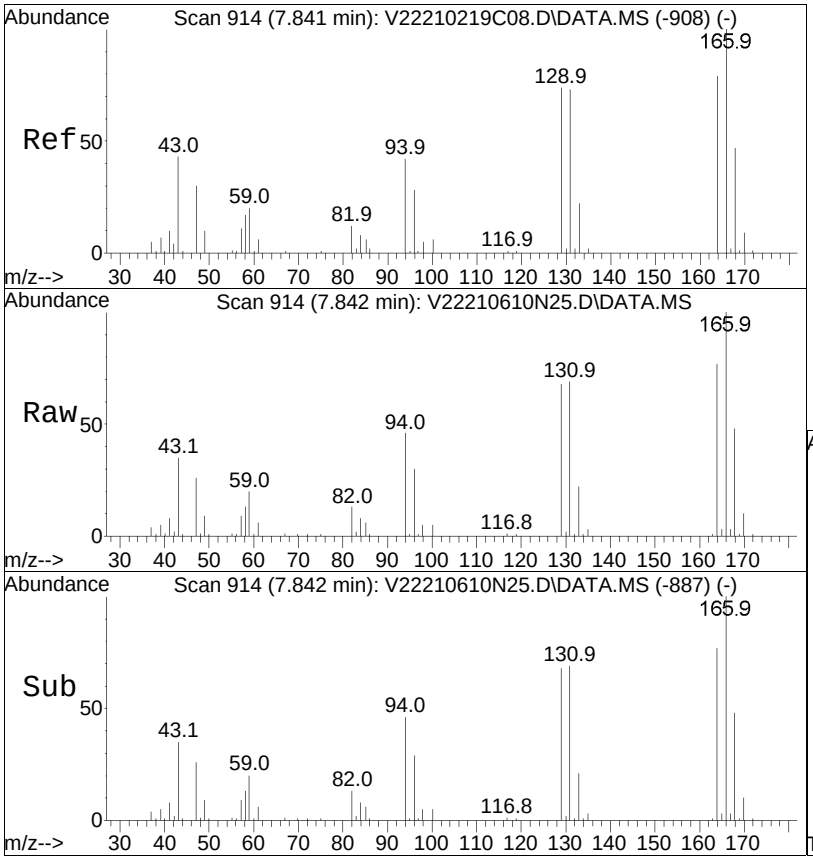


#64
Toluene
Concen: 10.06 ug/L
RT: 7.400 min Scan# 854
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 92 Resp: 134727

Ion	Ratio	Lower	Upper
92	100		
91	168.4	137.0	205.6

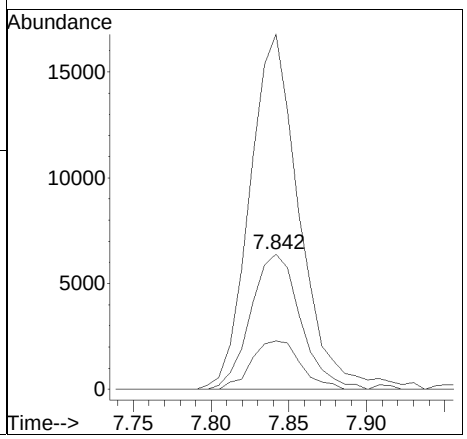


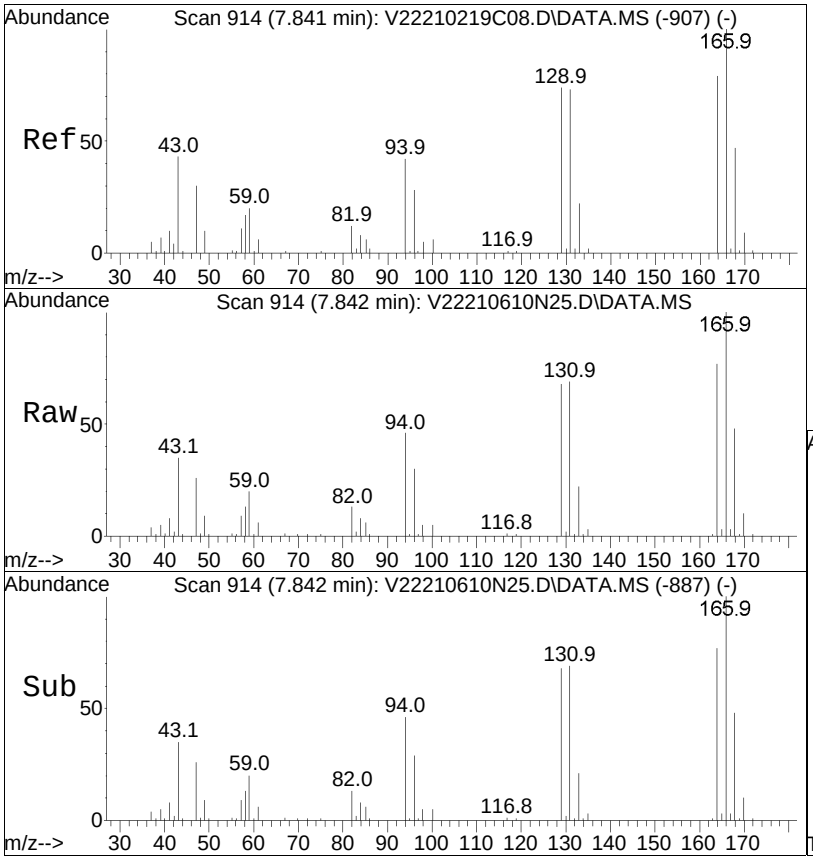


#65
4-Methyl-2-pentanone
Concen: 10.73 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 58 Resp: 14295

Ion	Ratio	Lower	Upper
58	100		
100	35.5	36.2	54.4#
43	262.1	181.8	272.8

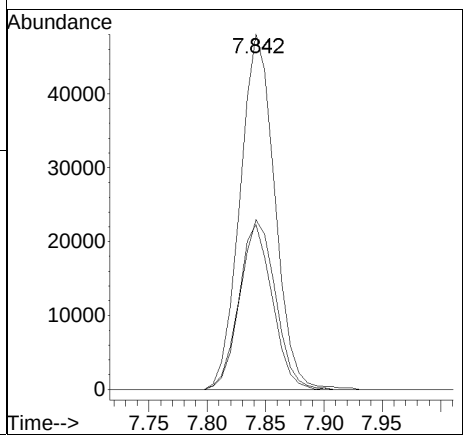


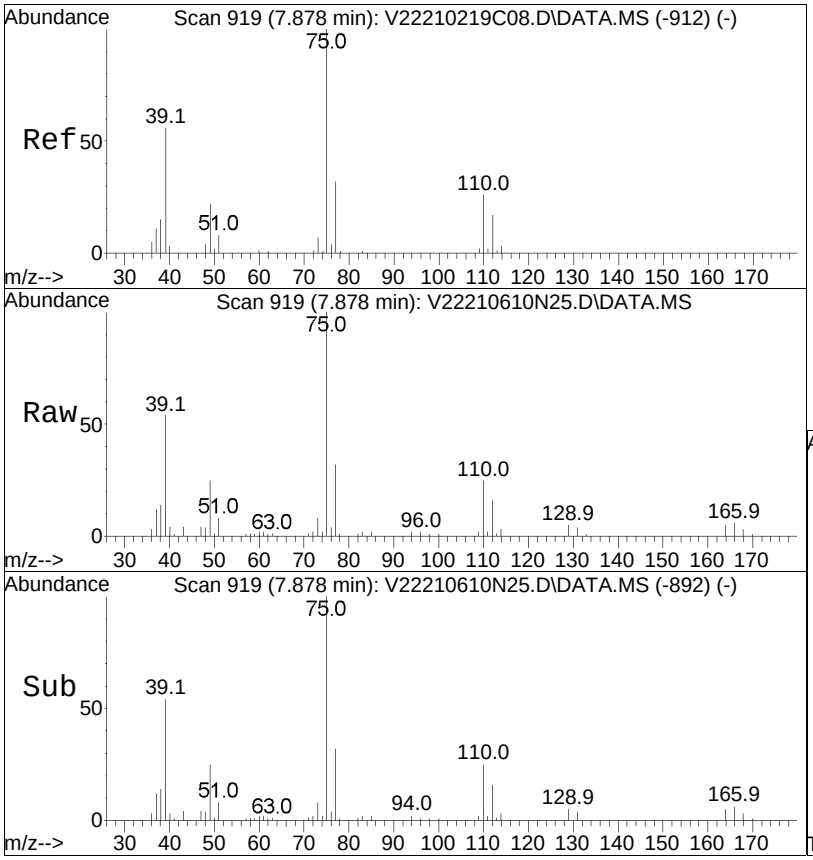


#66
Tetrachloroethene
Concen: 18.35 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:166 Resp: 99411

Ion	Ratio	Lower	Upper
166	100		
168	48.6	27.8	67.8
94	45.1	16.7	56.7

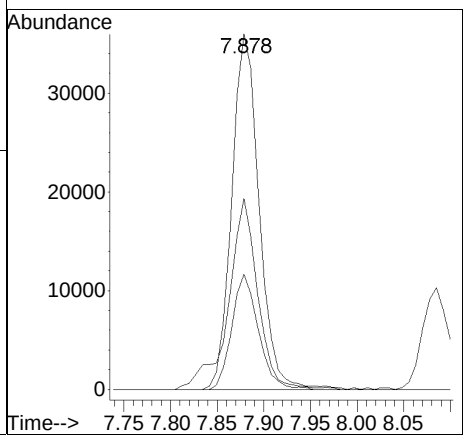


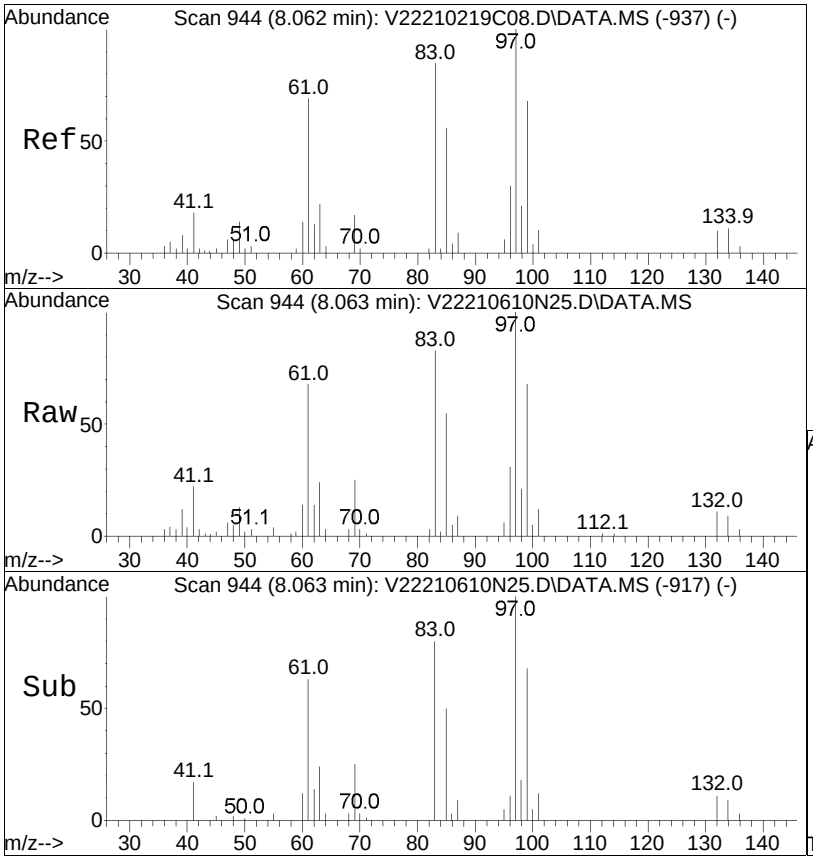


#68
trans-1,3-Dichloropropene
Concen: 9.13 ug/L
RT: 7.878 min Scan# 919
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 75 Resp: 73450

Ion	Ratio	Lower	Upper
75	100		
77	31.4	11.9	51.9
39	57.6	27.4	67.4

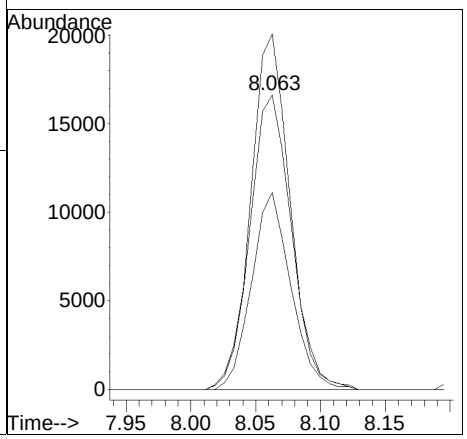


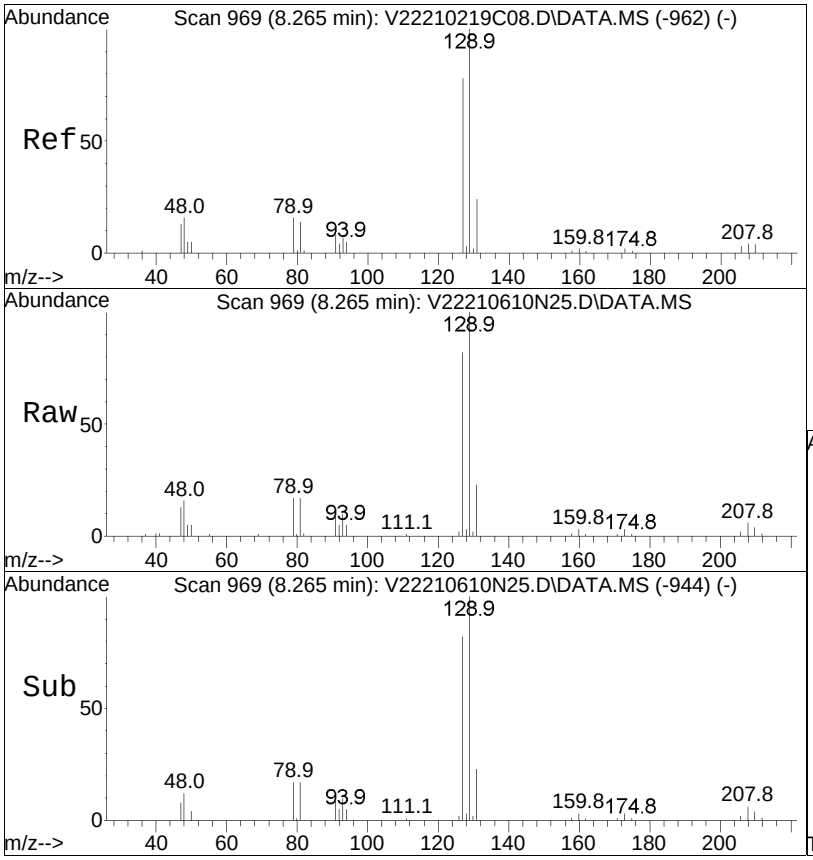


#71
1,1,2-Trichloroethane
Concen: 10.55 ug/L
RT: 8.063 min Scan# 944
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 83 Resp: 36997

Ion	Ratio	Lower	Upper
83	100		
97	114.6	103.4	143.4
85	63.5	47.9	87.9

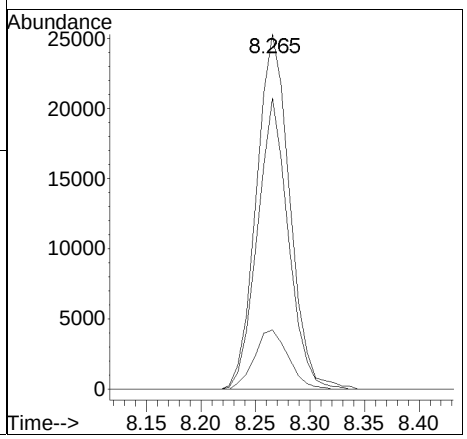


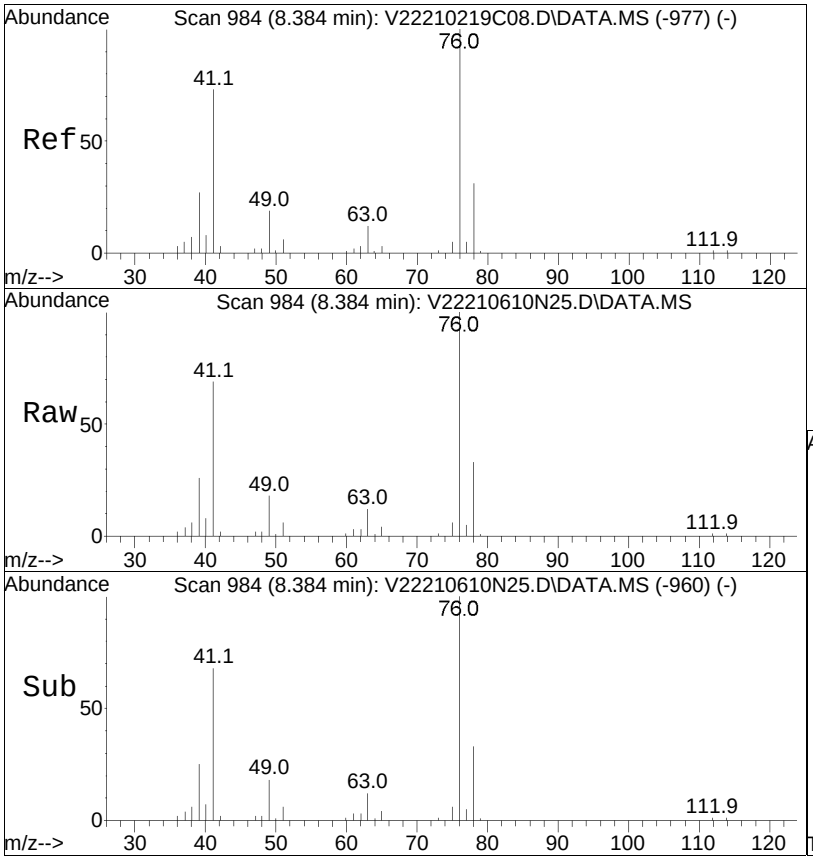


#72
Chlorodibromomethane
Concen: 11.86 ug/L
RT: 8.265 min Scan# 969
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:129 Resp: 59407

Ion	Ratio	Lower	Upper
129	100		
81	15.5	0.0	33.8
127	76.7	57.1	97.1

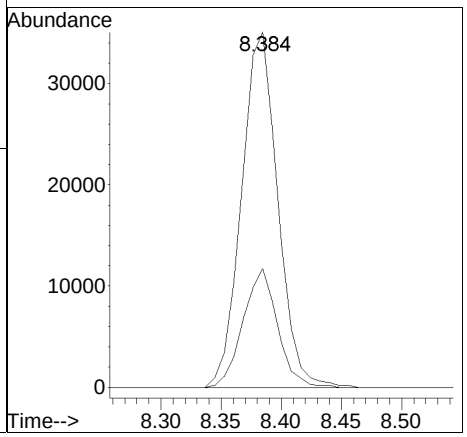


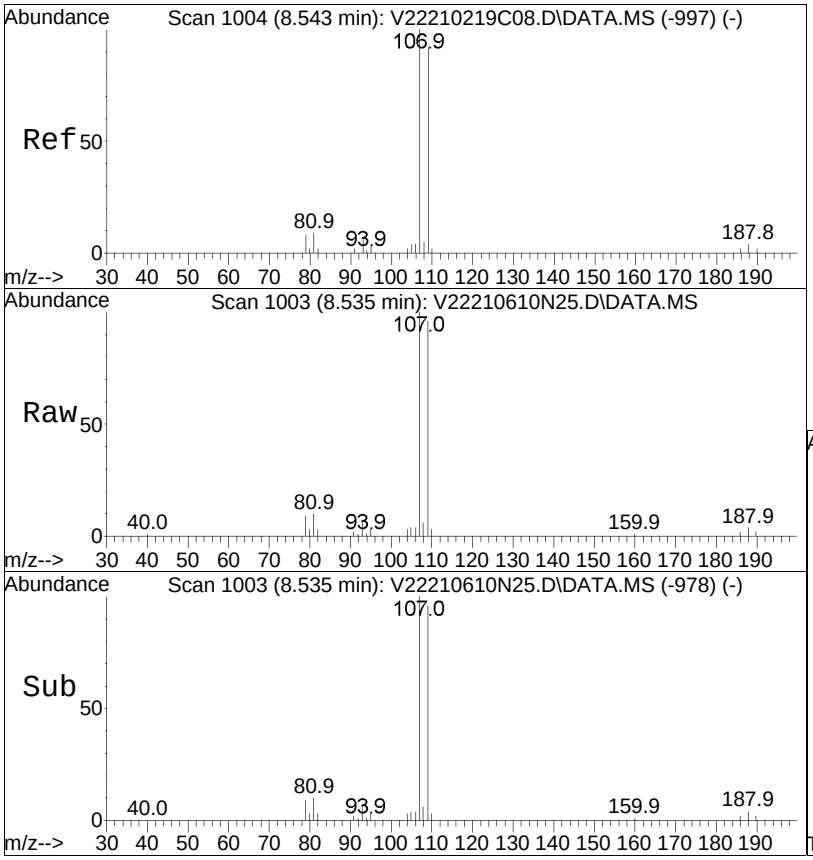


#73
1,3-Dichloropropane
Concen: 9.90 ug/L
RT: 8.384 min Scan# 984
Delta R.T. 0.007 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 76 Resp: 73371

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.7	38.5

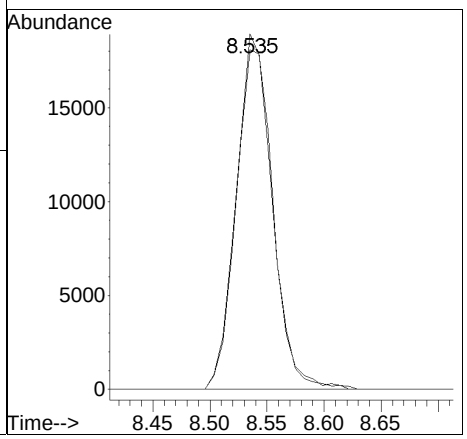


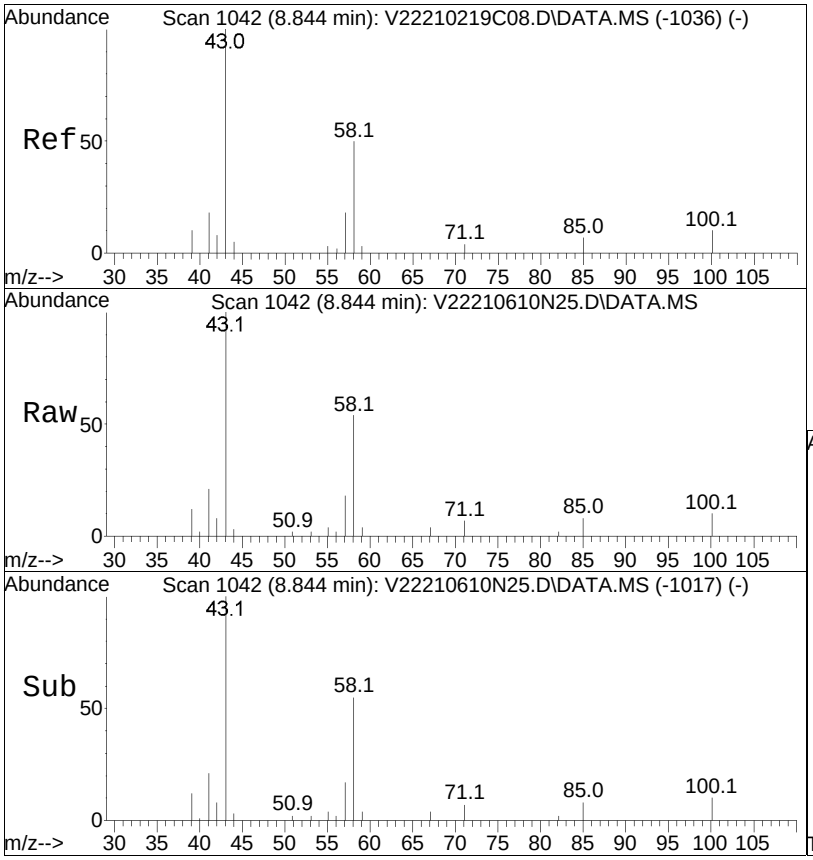


#74
1,2-Dibromoethane
Concen: 10.85 ug/L
RT: 8.535 min Scan# 1003
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:107 Resp: 41893

Ion	Ratio	Lower	Upper
107	100		
109	97.1	75.1	112.7

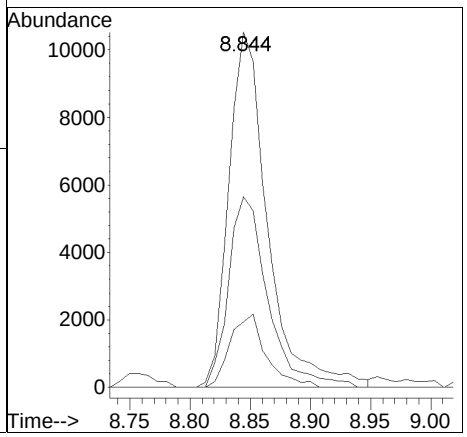


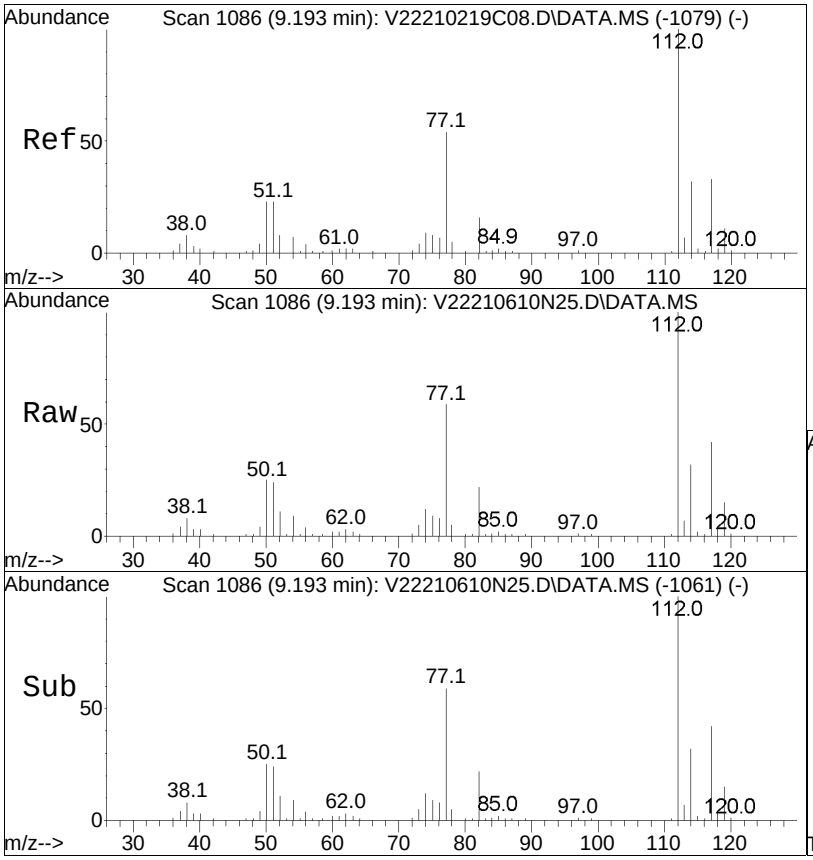


#76
2-Hexanone
Concen: 10.12 ug/L
RT: 8.844 min Scan# 1042
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 43 Resp: 23771

Ion	Ratio	Lower	Upper
43	100		
58	54.1	47.6	71.4
57	19.1	16.6	24.8

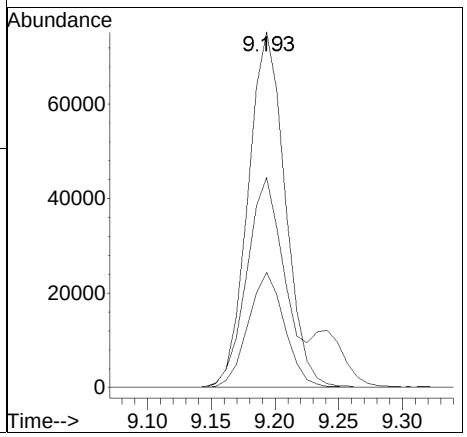


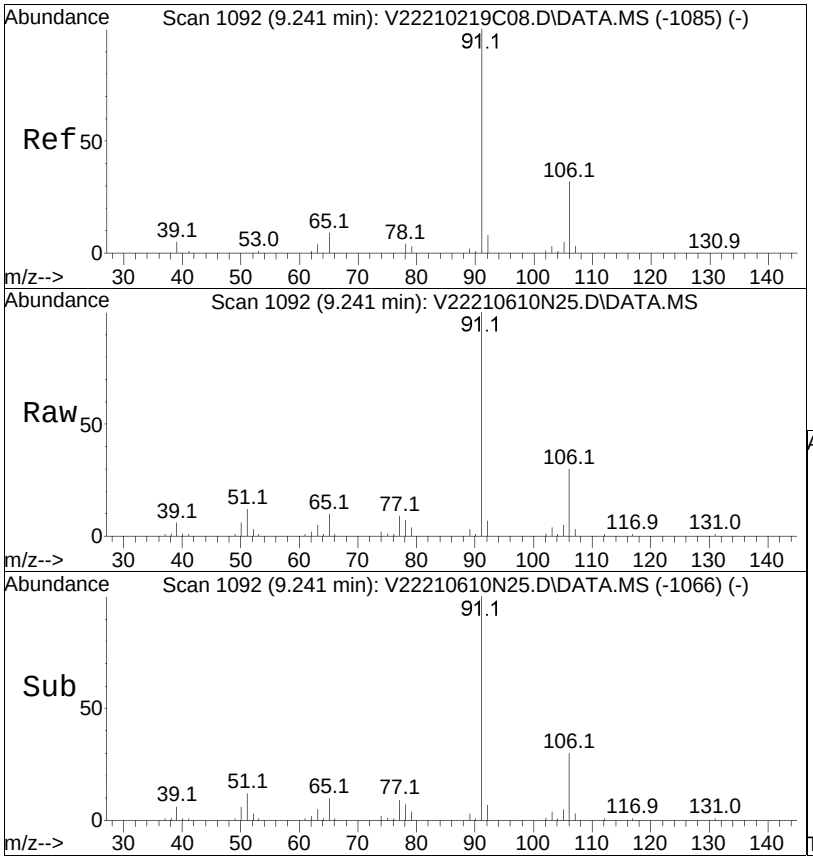


#77
Chlorobenzene
Concen: 10.16 ug/L
RT: 9.193 min Scan# 1086
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:112 Resp: 152364

Ion	Ratio	Lower	Upper
112	100		
77	61.6	55.4	83.0
114	31.9	26.2	39.4

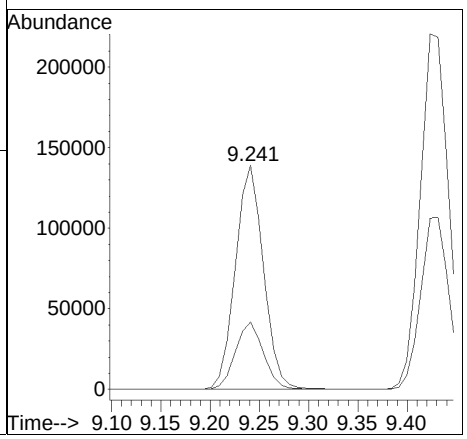


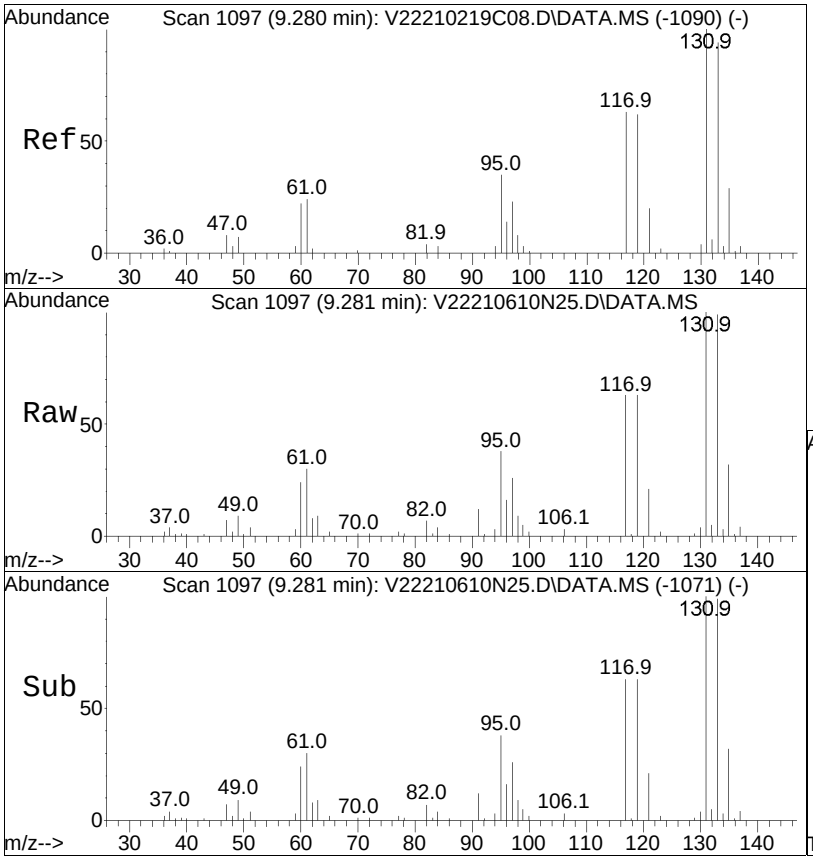


#78
Ethylbenzene
Concen: 10.49 ug/L
RT: 9.241 min Scan# 1092
Delta R.T. 0.008 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 91 Resp: 275744

Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.8	38.6

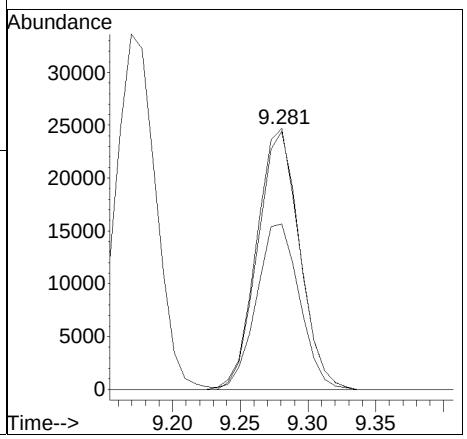


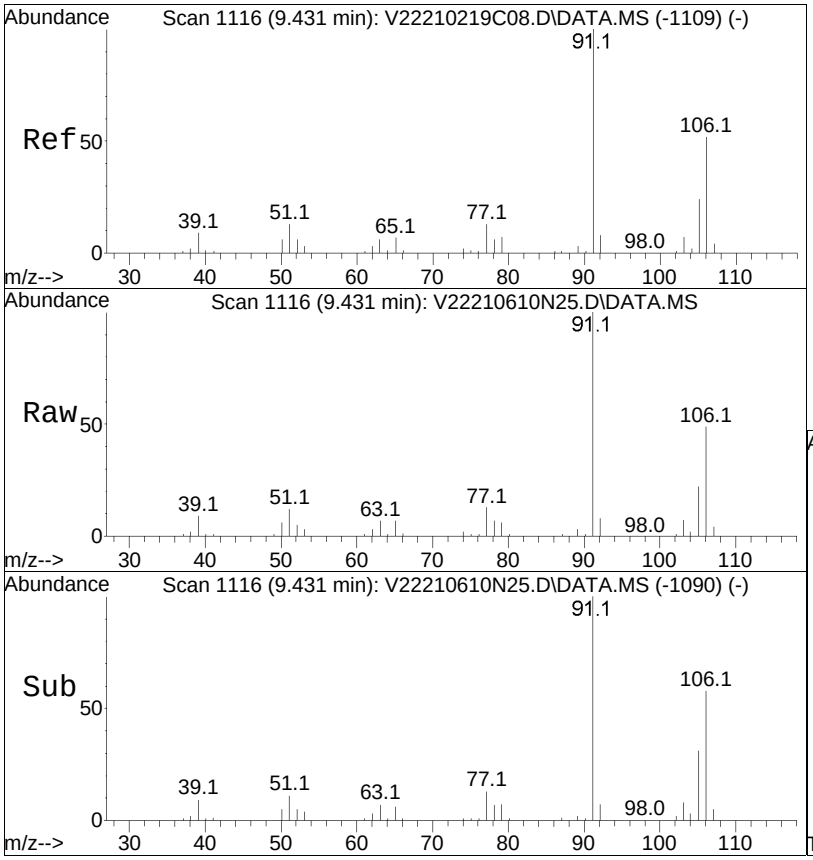


#79
1,1,1,2-Tetrachloroethane
Concen: 11.04 ug/L
RT: 9.281 min Scan# 1097
Delta R.T. 0.008 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:131 Resp: 54398

Ion	Ratio	Lower	Upper
131	100		
133	97.0	75.3	115.3
119	63.6	49.3	89.3

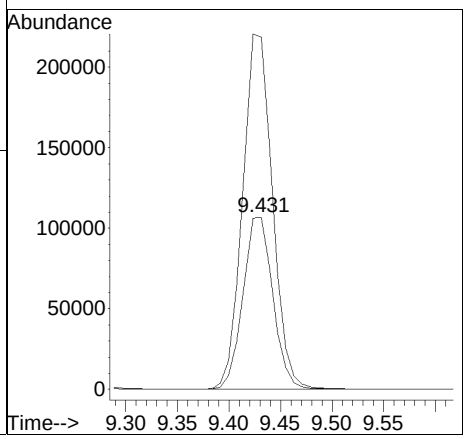


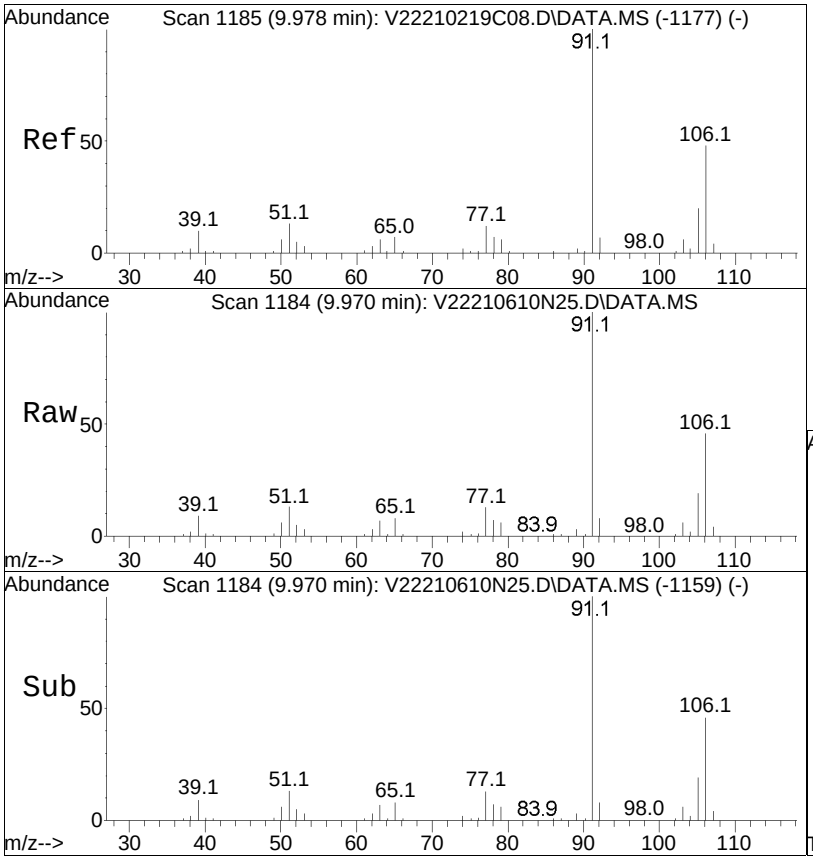


#80
p/m Xylene
Concen: 21.02 ug/L
RT: 9.431 min Scan# 1116
Delta R.T. 0.008 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:106 Resp: 215883

Ion	Ratio	Lower	Upper
106	100		
91	205.9	156.0	234.0

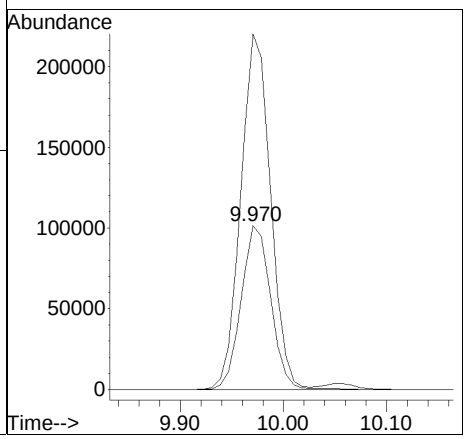


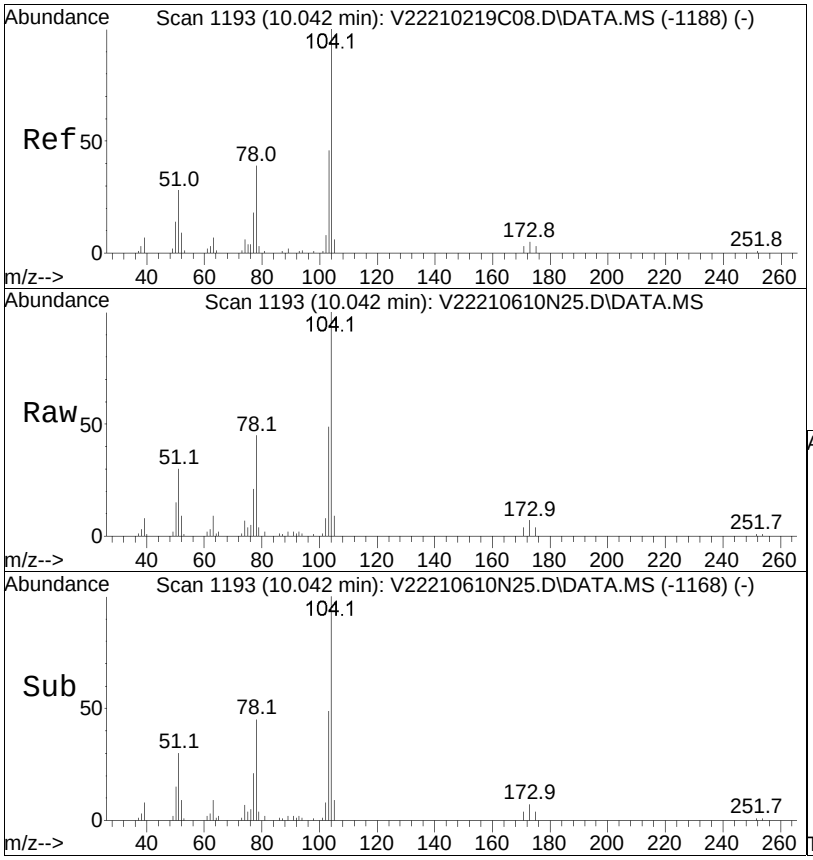


#81
o Xylene
Concen: 20.84 ug/L
RT: 9.970 min Scan# 1184
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:106 Resp: 202172

Ion	Ratio	Lower	Upper
106	100		
91	217.7	164.0	246.0

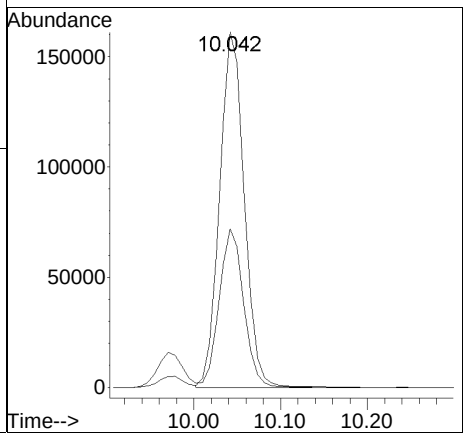


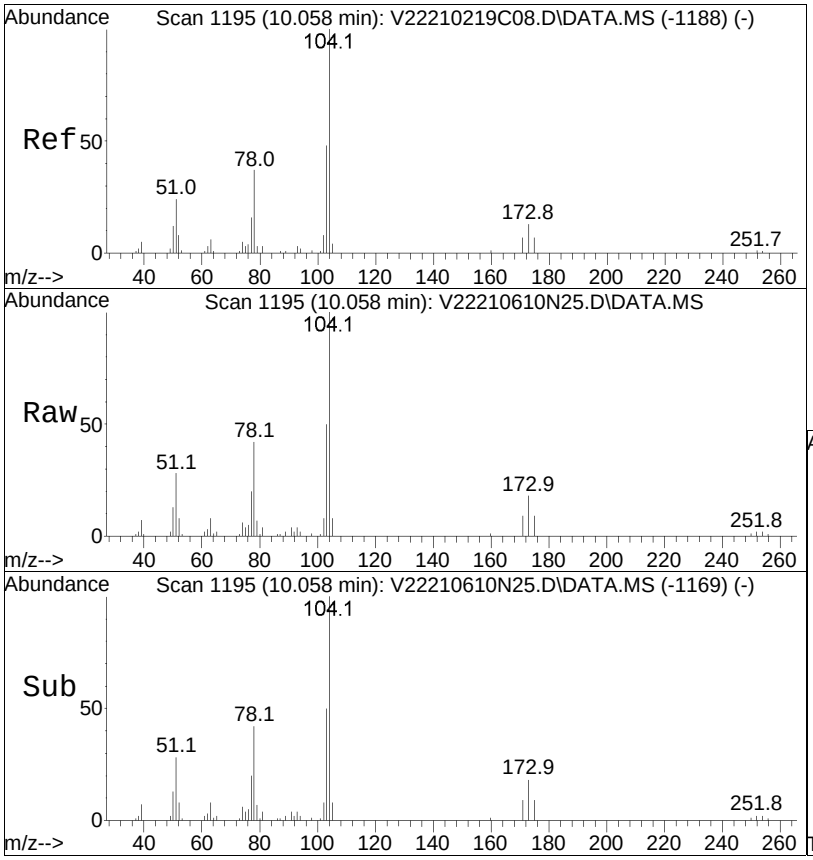


#82
Styrene
Concen: 20.25 ug/L
RT: 10.042 min Scan# 1193
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:104 Resp: 317200

Ion	Ratio	Lower	Upper
104	100		
78	44.4	32.1	48.1

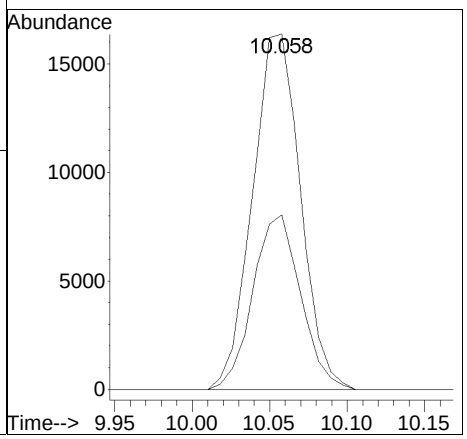


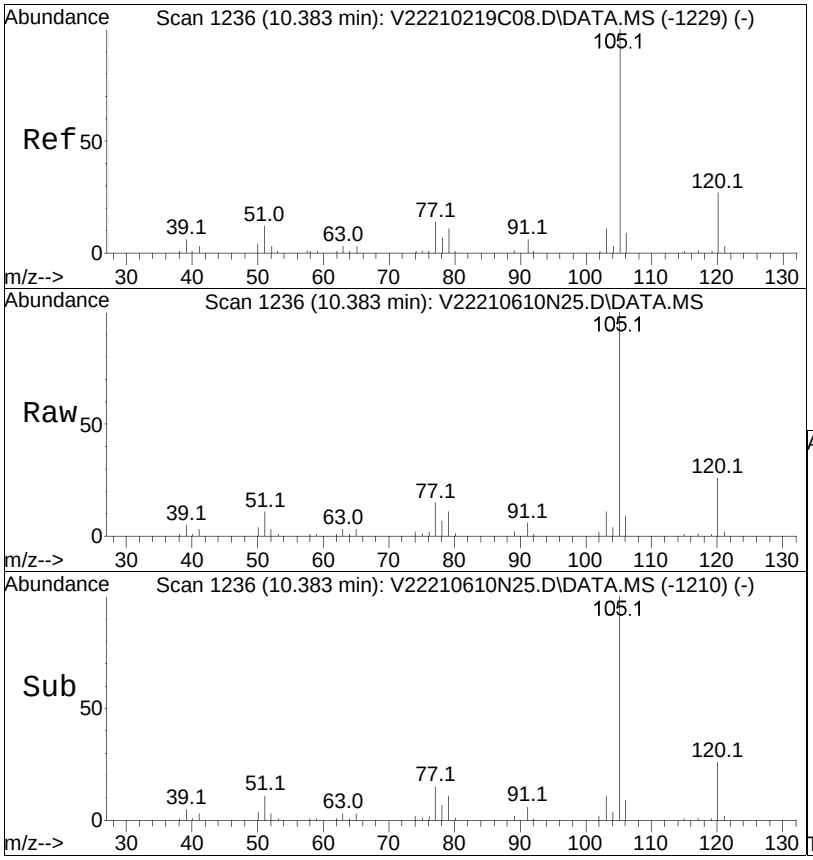


#84
Bromoform
Concen: 12.09 ug/L
RT: 10.058 min Scan# 1195
Delta R.T. 0.008 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:173 Resp: 35276

Ion	Ratio	Lower	Upper
173	100		
175	48.8	29.3	69.3

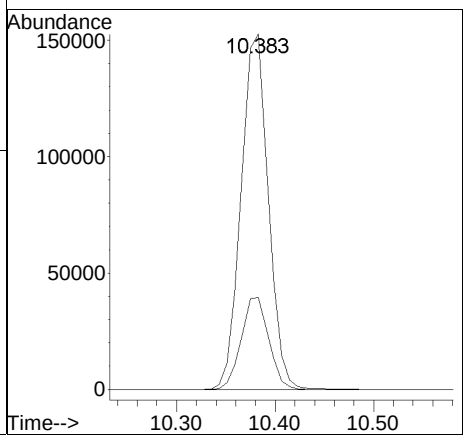


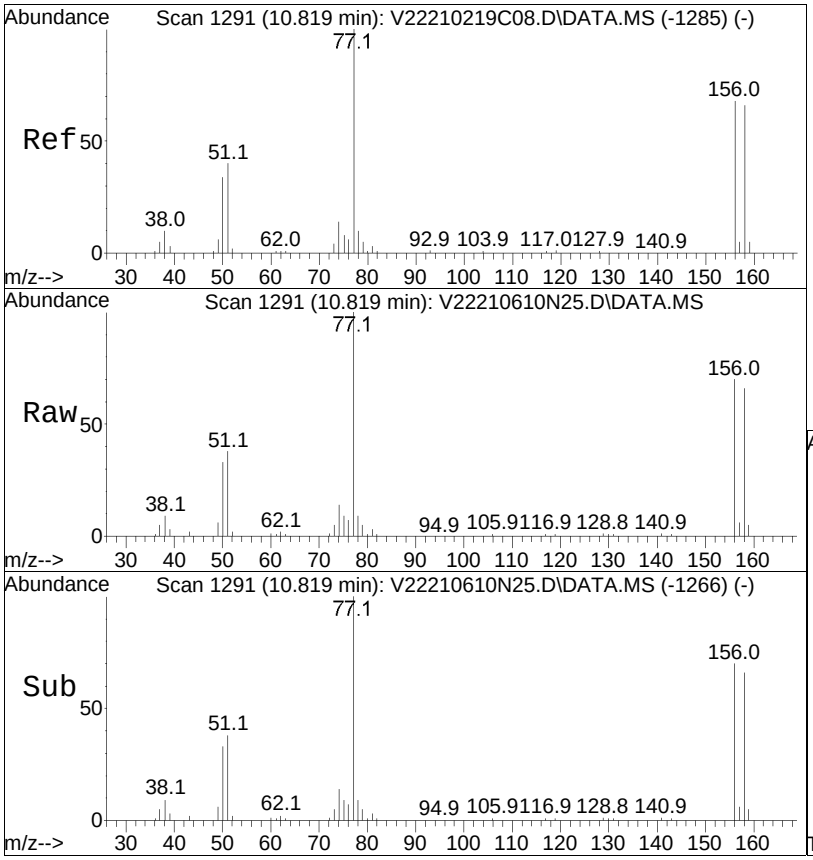


#86
Isopropylbenzene
Concen: 10.07 ug/L
RT: 10.383 min Scan# 1236
Delta R.T. 0.008 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:105 Resp: 293995

Ion	Ratio	Lower	Upper
105	100		
120	26.1	7.7	47.7

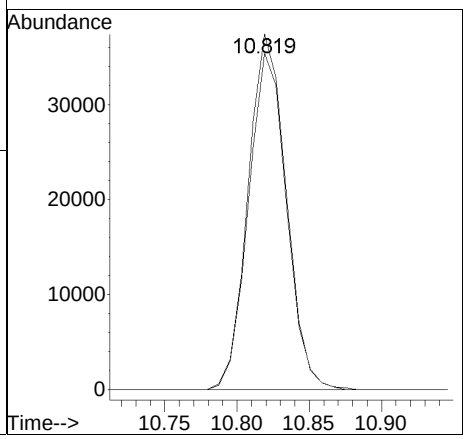


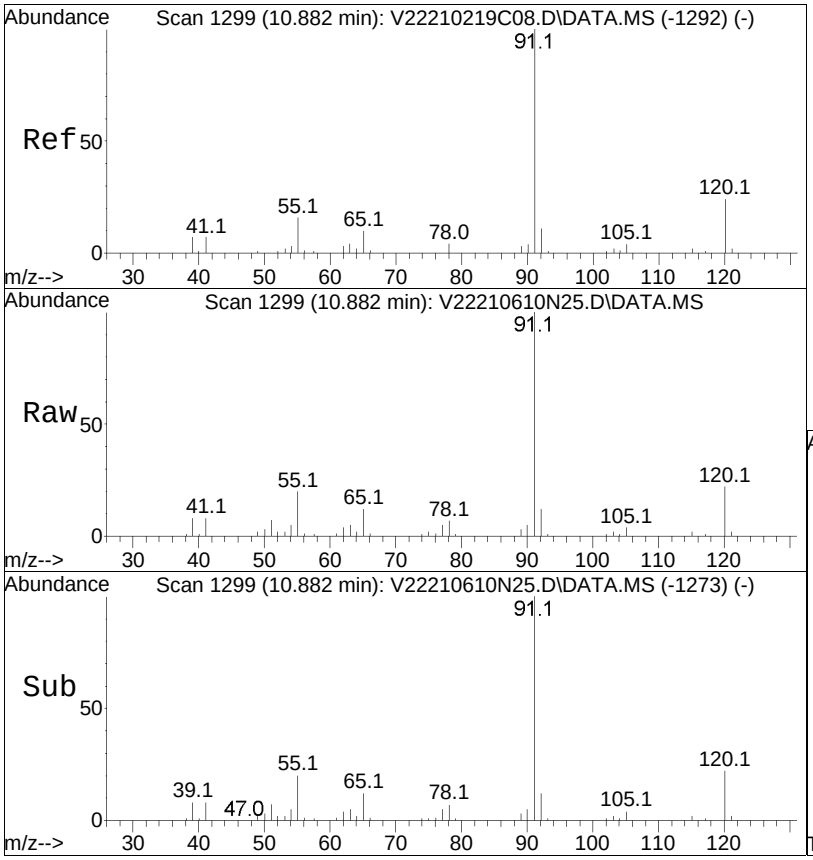


#88
Bromobenzene
Concen: 10.93 ug/L
RT: 10.819 min Scan# 1291
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:156 Resp: 68479

Ion	Ratio	Lower	Upper
156	100		
158	94.5	77.9	116.9

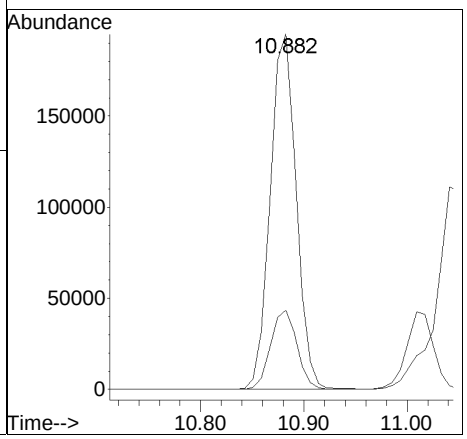


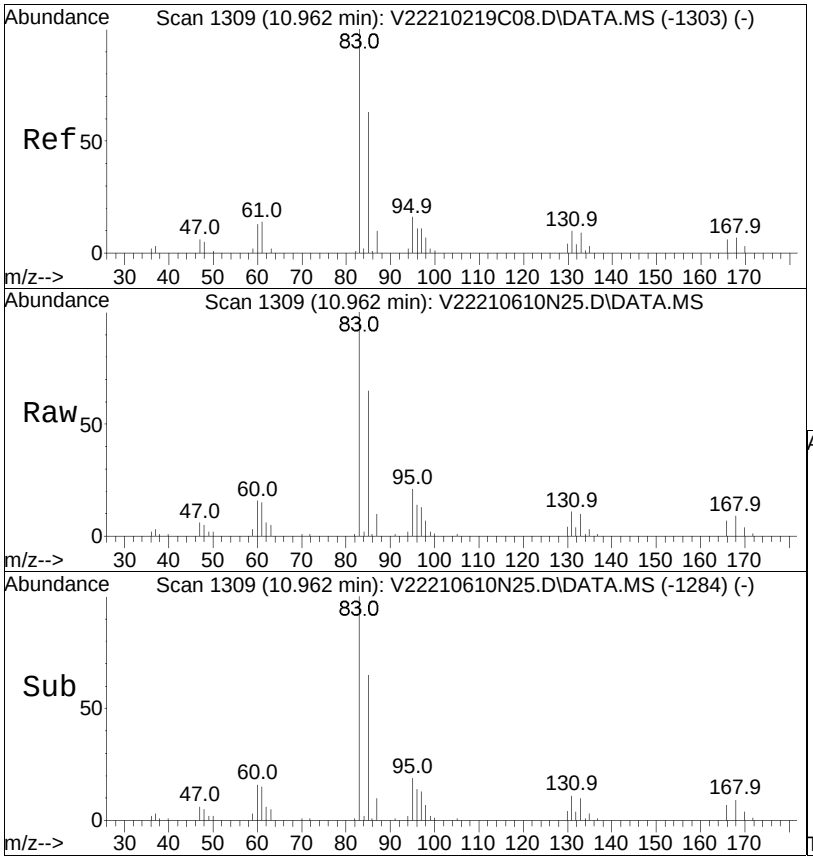


#89
n-Propylbenzene
Concen: 9.38 ug/L
RT: 10.882 min Scan# 1299
Delta R.T. 0.007 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 91 Resp: 341524

Ion	Ratio	Lower	Upper
91	100		
120	22.5	19.5	29.3

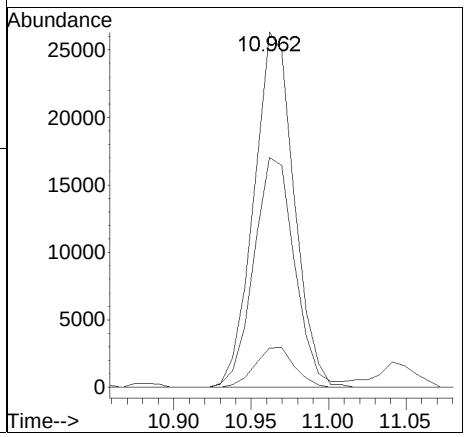


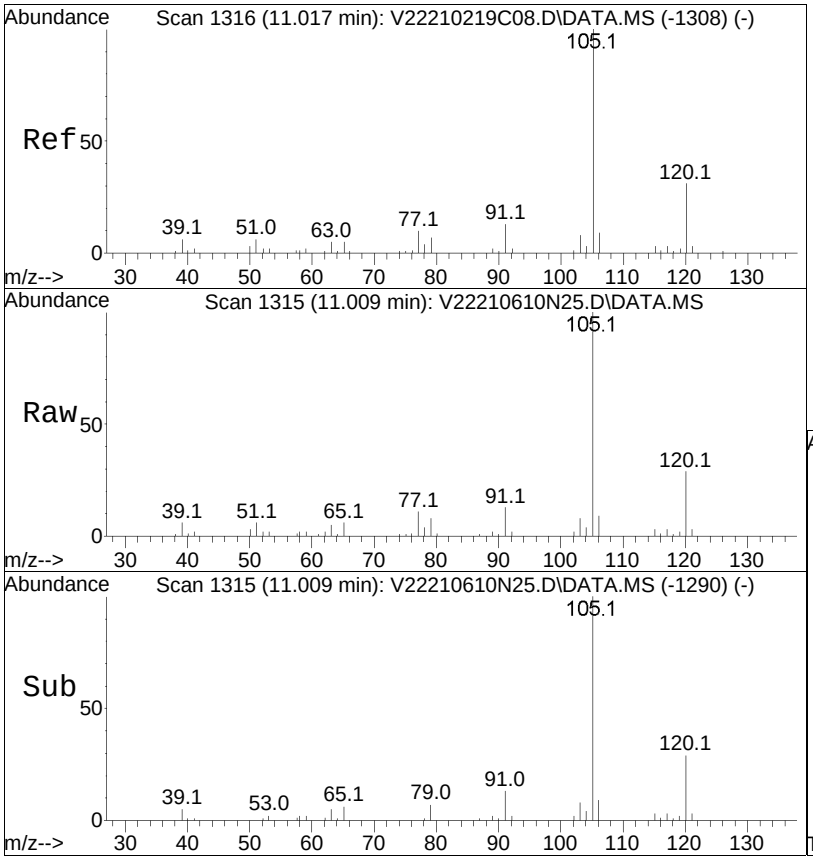


#91
1,1,2,2-Tetrachloroethane
Concen: 9.75 ug/L
RT: 10.962 min Scan# 1309
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 83 Resp: 47474

Ion	Ratio	Lower	Upper
83	100		
131	11.2	0.0	30.8
85	66.3	45.4	85.4

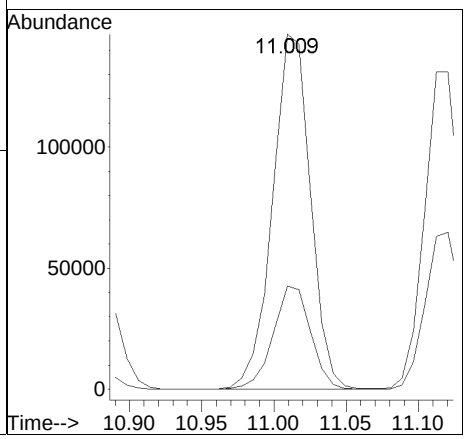


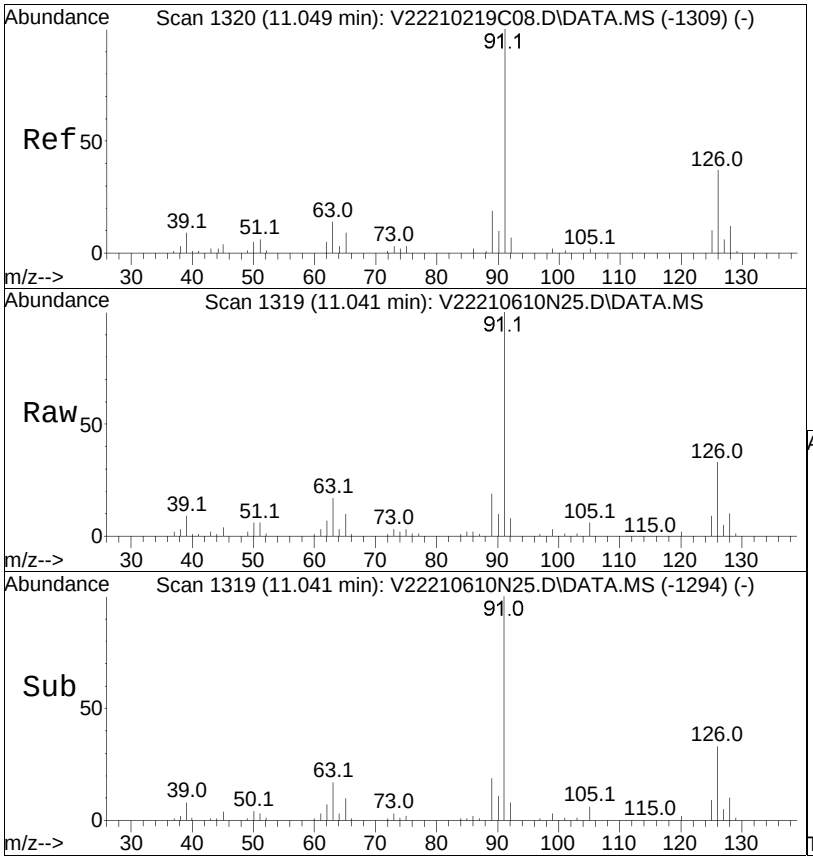


#92
4-Ethyltoluene
Concen: 9.48 ug/L
RT: 11.009 min Scan# 1315
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:105 Resp: 267668

Ion	Ratio	Lower	Upper
105	100		
120	28.9	19.8	41.0

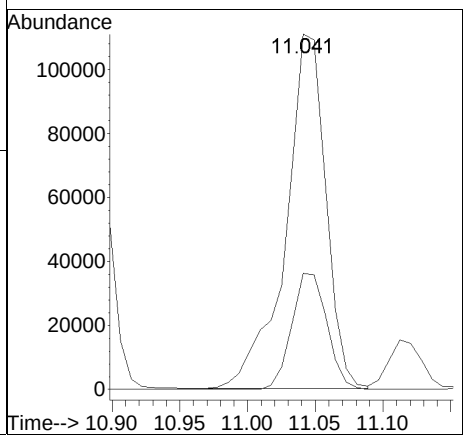


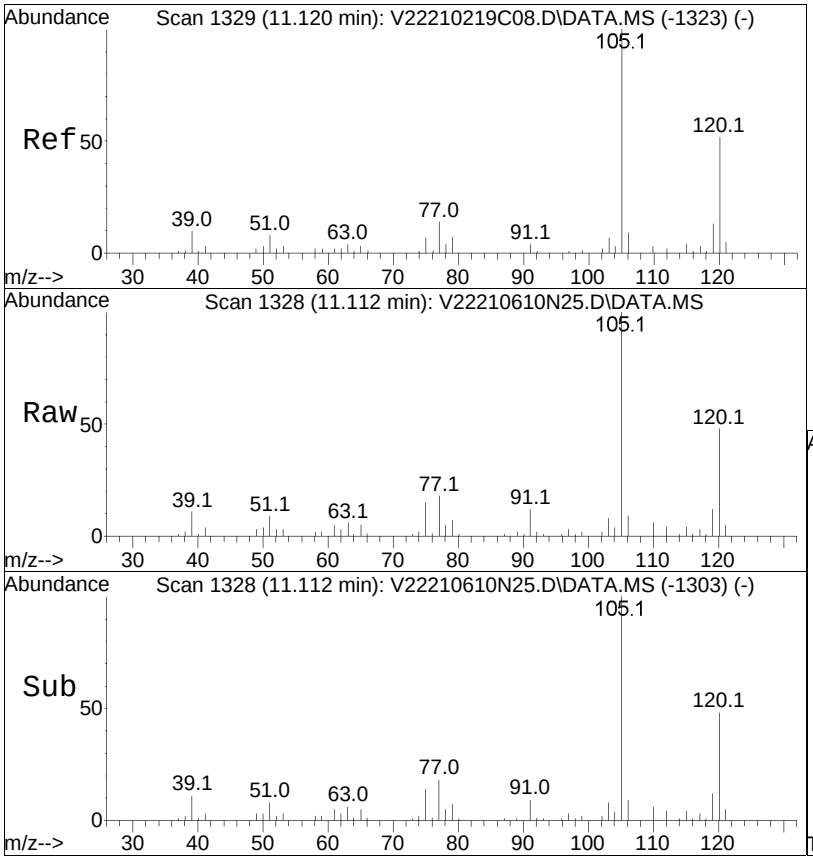


#93
2-Chlorotoluene
Concen: 9.50 ug/L
RT: 11.041 min Scan# 1319
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 91 Resp: 228847

Ion	Ratio	Lower	Upper
91	100		
126	28.7	24.6	37.0

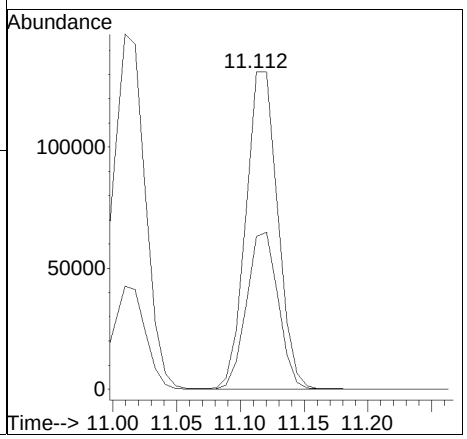


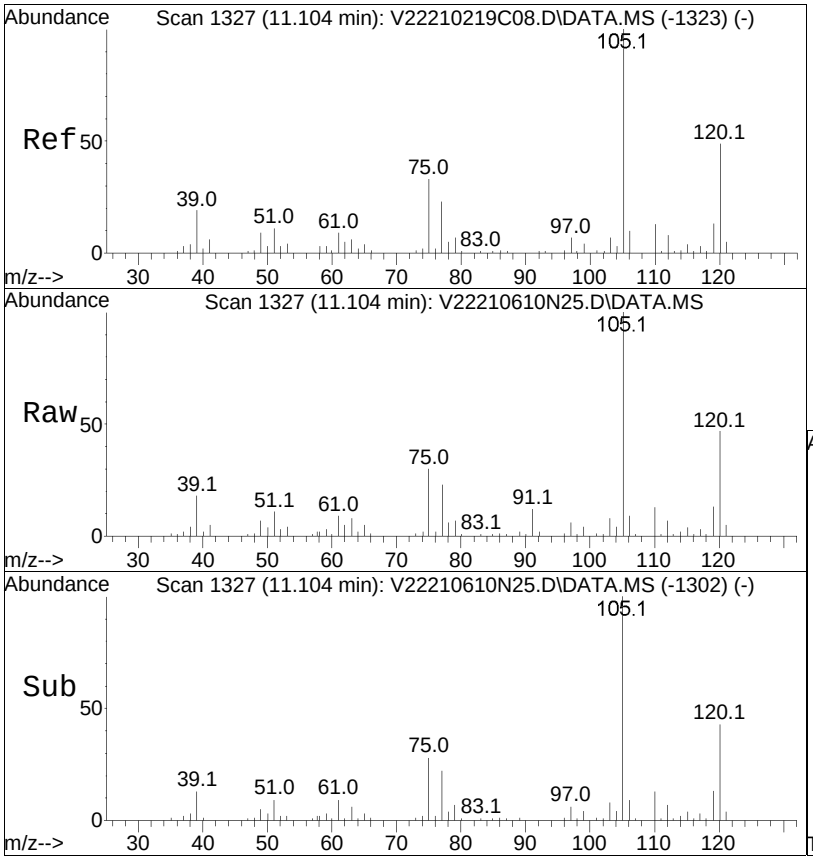


#94
1,3,5-Trimethylbenzene
Concen: 9.63 ug/L
RT: 11.112 min Scan# 1328
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:105 Resp: 229644

Ion	Ratio	Lower	Upper
105	100		
120	49.1	40.9	61.3

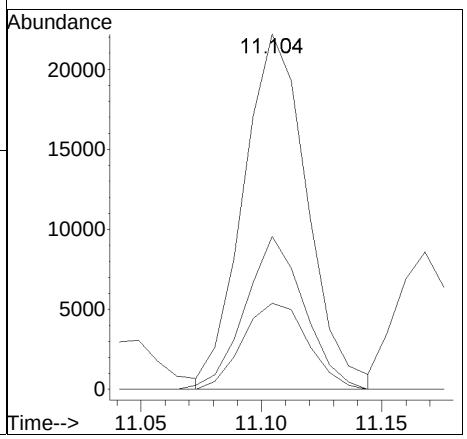


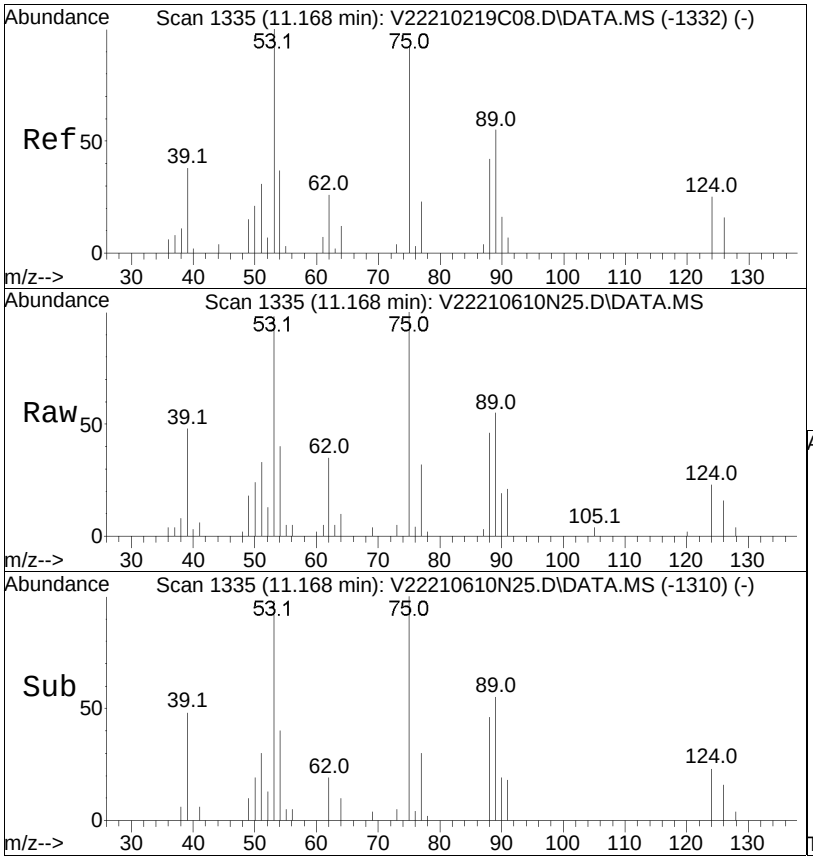


#95
1,2,3-Trichloropropane
Concen: 9.54 ug/L
RT: 11.104 min Scan# 1327
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 75 Resp: 40983

Ion	Ratio	Lower	Upper
75	100		
110	39.7	26.3	54.7
112	24.7	16.8	35.0

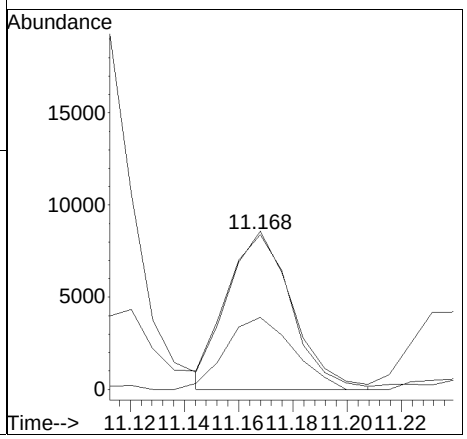


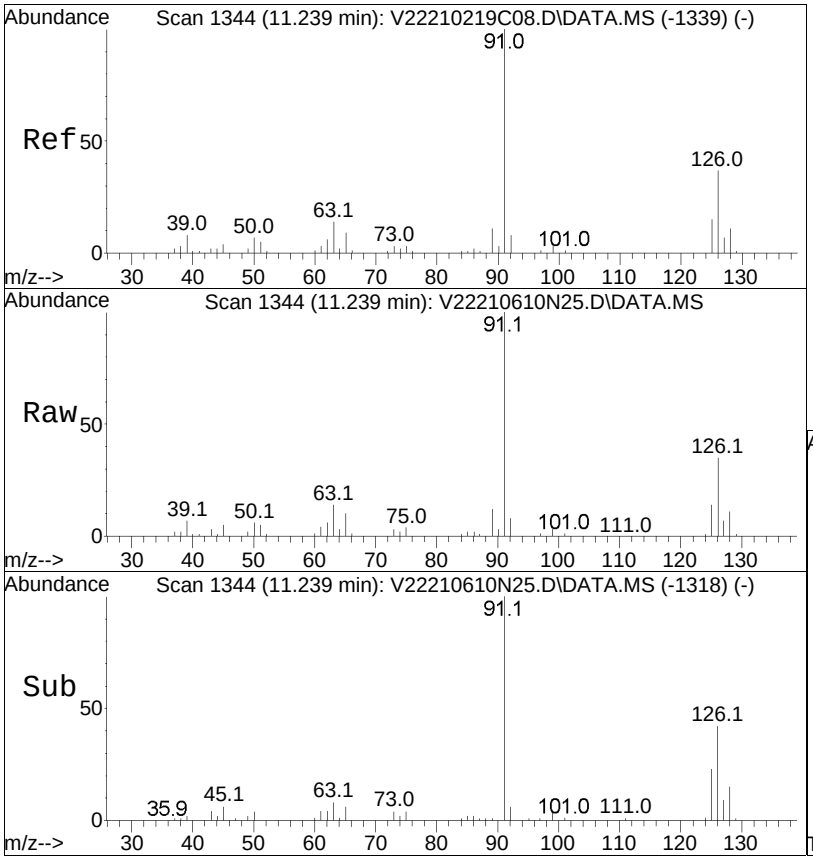


#96
trans-1,4-Dichloro-2-butene
Concen: 9.01 ug/L
RT: 11.168 min Scan# 1335
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 53 Resp: 14005

Ion	Ratio	Lower	Upper
53	100		
88	48.4	46.3	69.5
75	99.5	109.0	163.4#

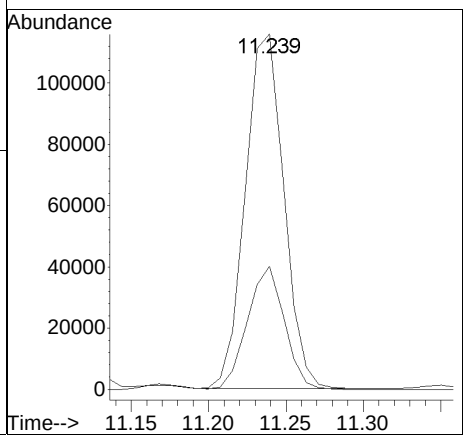


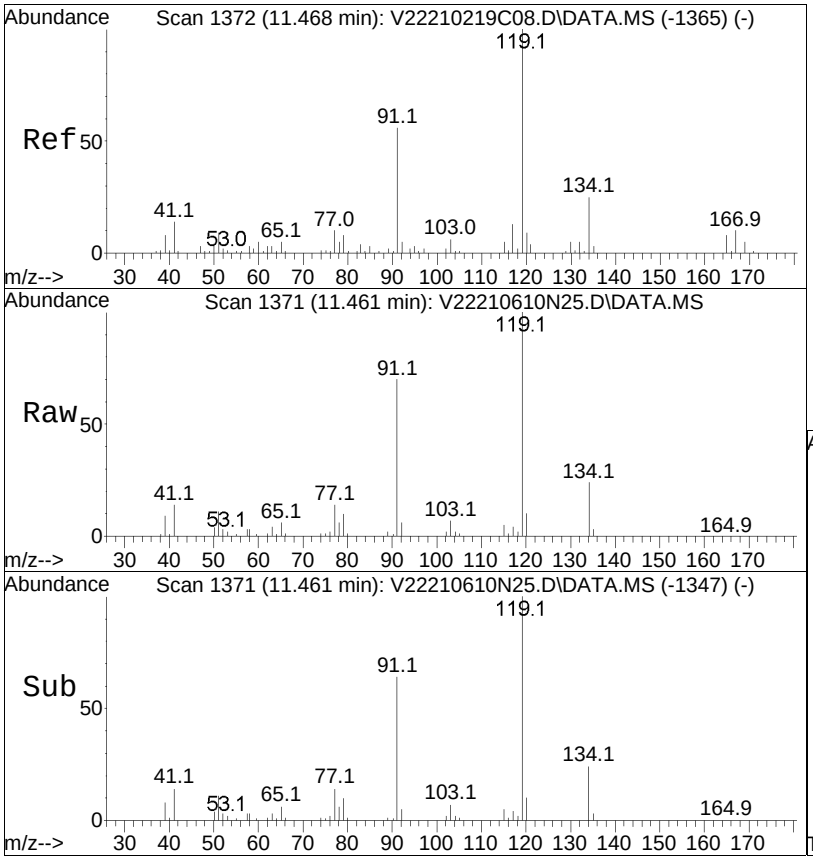


#97
4-Chlorotoluene
Concen: 9.28 ug/L
RT: 11.239 min Scan# 1344
Delta R.T. 0.007 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 91 Resp: 200555

Ion	Ratio	Lower	Upper
91	100		
126	33.2	28.5	42.7

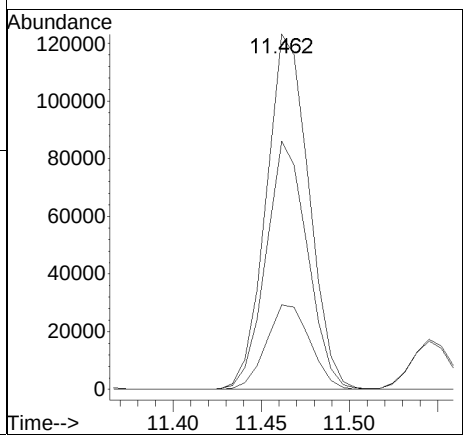


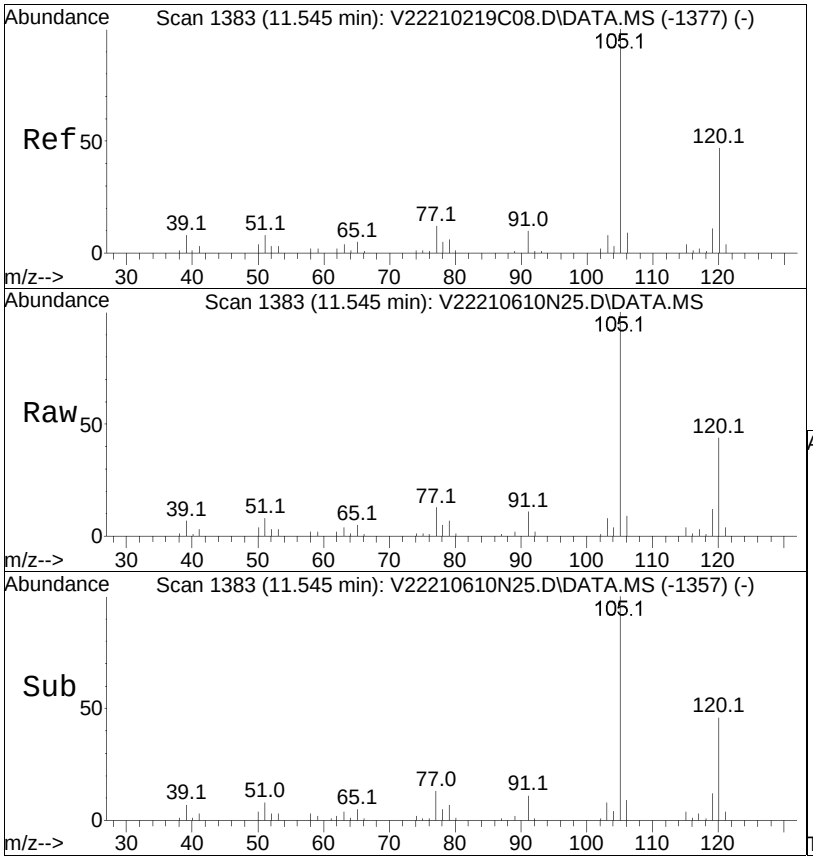


#98
tert-Butylbenzene
Concen: 9.27 ug/L
RT: 11.461 min Scan# 1371
Delta R.T. -0.001 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:119 Resp: 207788

Ion	Ratio	Lower	Upper
119	100		
91	68.0	50.2	75.4
134	24.4	20.8	31.2

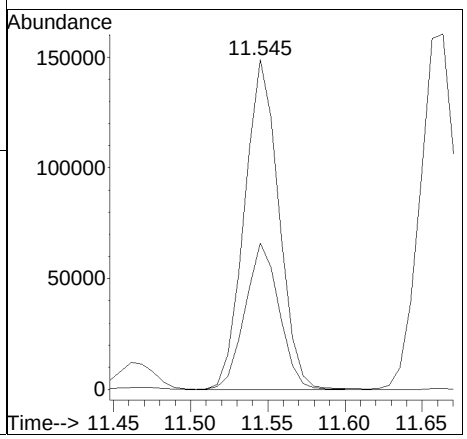


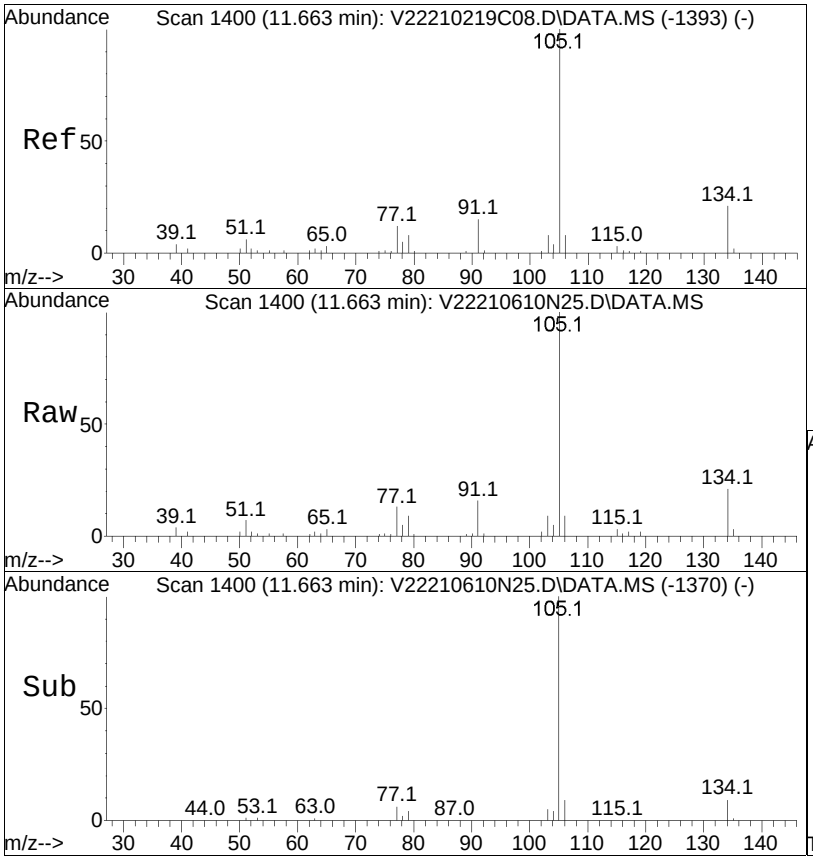


#101
1,2,4-Trimethylbenzene
Concen: 9.91 ug/L
RT: 11.545 min Scan# 1383
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:105 Resp: 230544

Ion	Ratio	Lower	Upper
105	100		
120	44.0	38.5	57.7

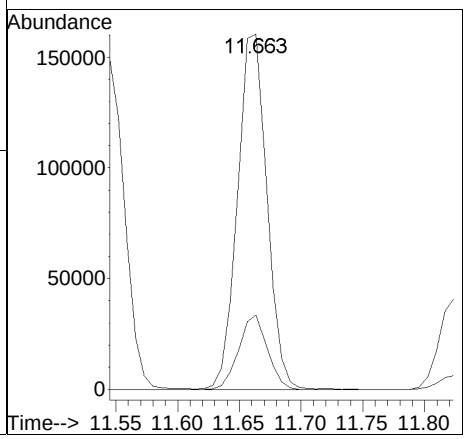


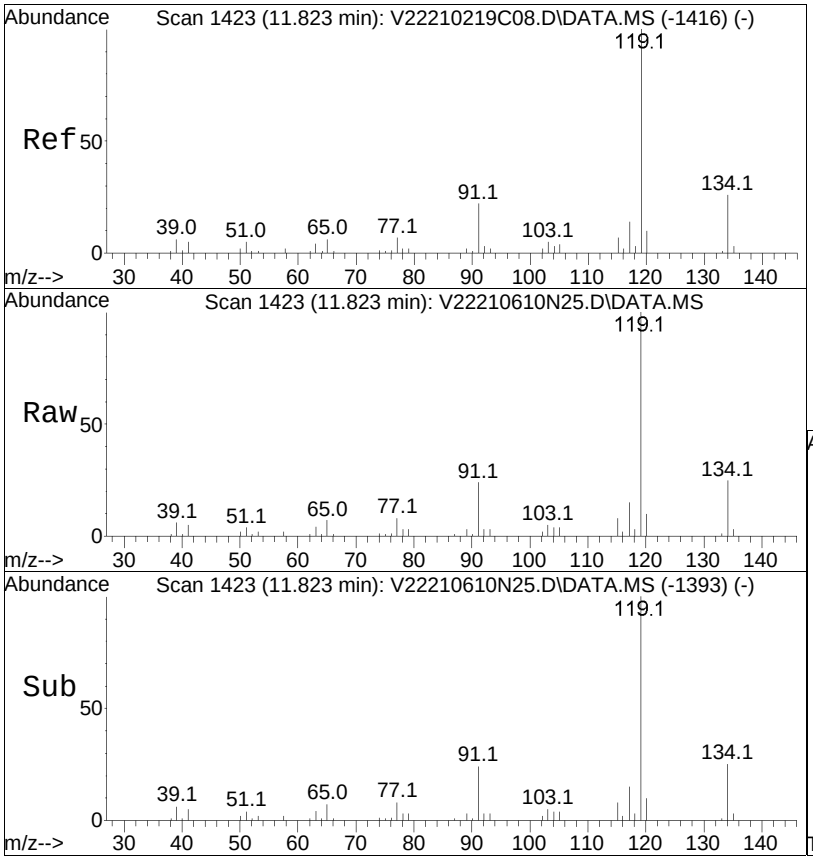


#102
sec-Butylbenzene
Concen: 9.56 ug/L
RT: 11.663 min Scan# 1400
Delta R.T. 0.006 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:105 Resp: 266298

Ion	Ratio	Lower	Upper
105	100		
134	20.3	13.9	28.9

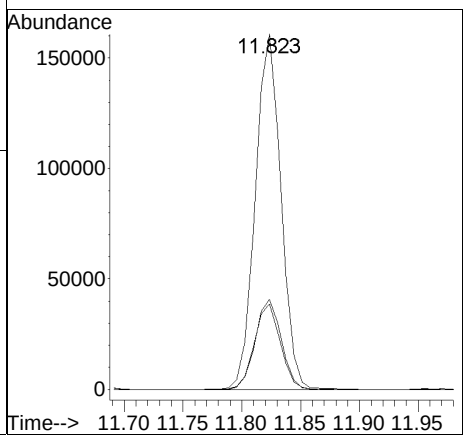


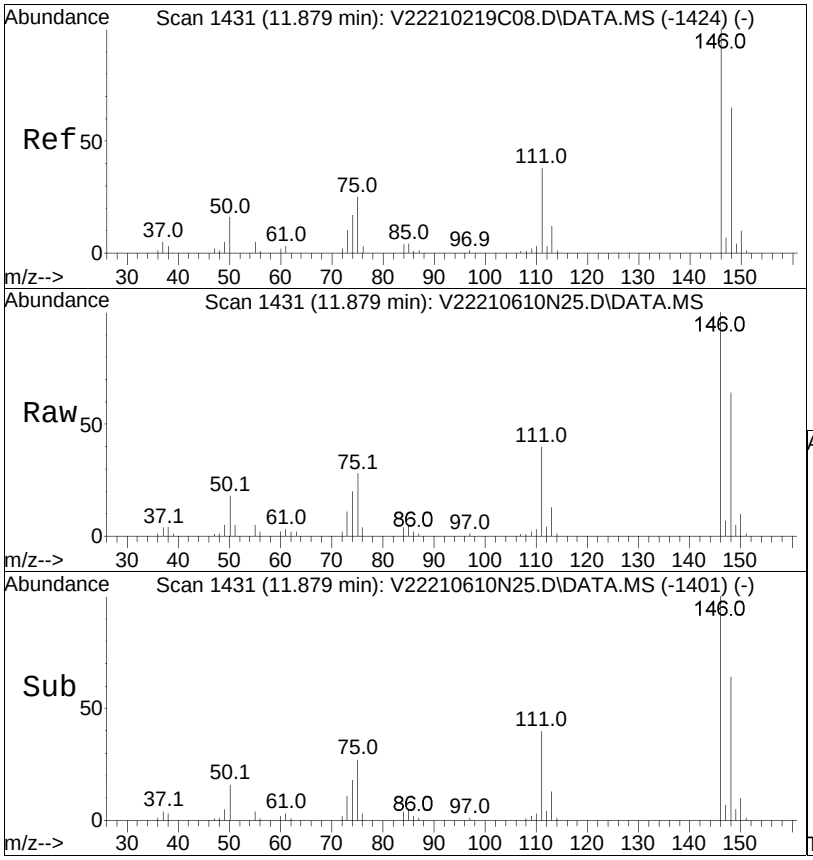


#103
p-Isopropyltoluene
Concen: 9.64 ug/L
RT: 11.823 min Scan# 1423
Delta R.T. 0.006 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:119 Resp: 243796

Ion	Ratio	Lower	Upper
119	100		
134	25.6	17.7	36.7
91	24.3	14.1	29.3

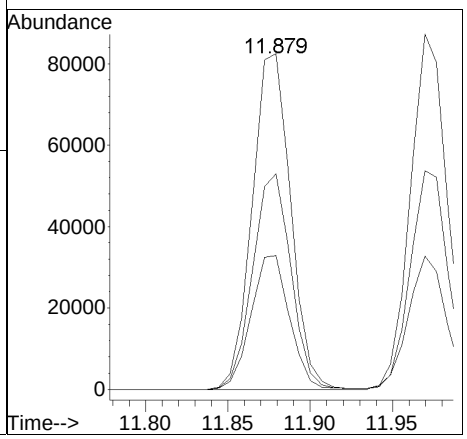


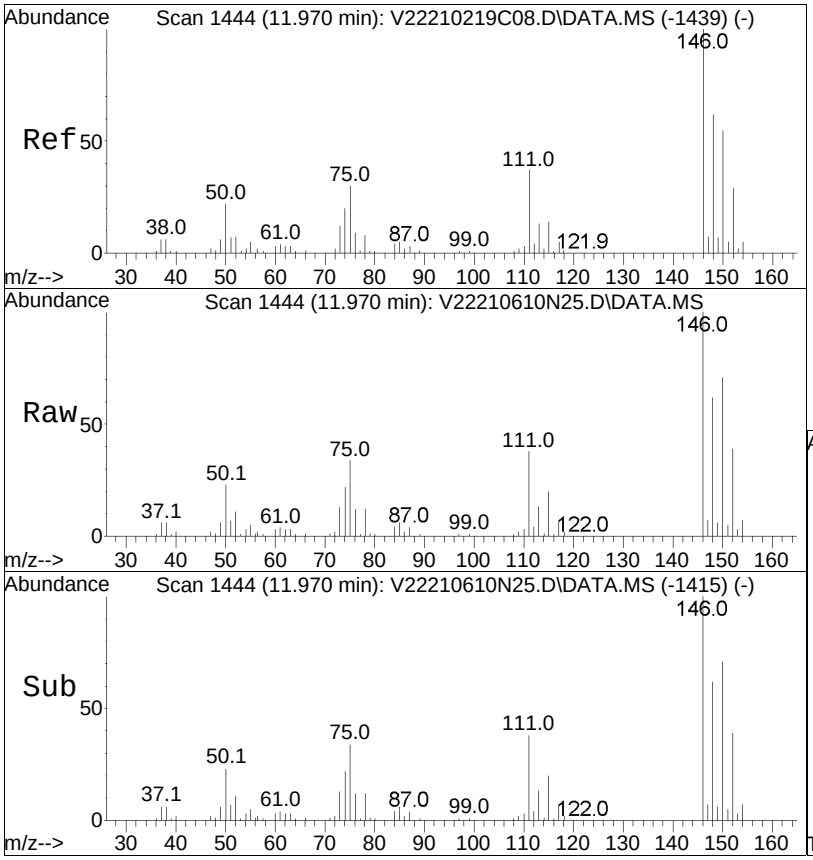


#104
1,3-Dichlorobenzene
Concen: 10.18 ug/L
RT: 11.879 min Scan# 1431
Delta R.T. 0.007 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:146 Resp: 134151

Ion	Ratio	Lower	Upper
146	100		
111	40.1	24.0	49.8
148	63.8	41.8	86.8

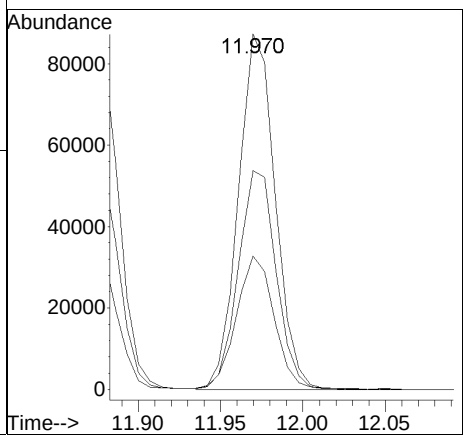


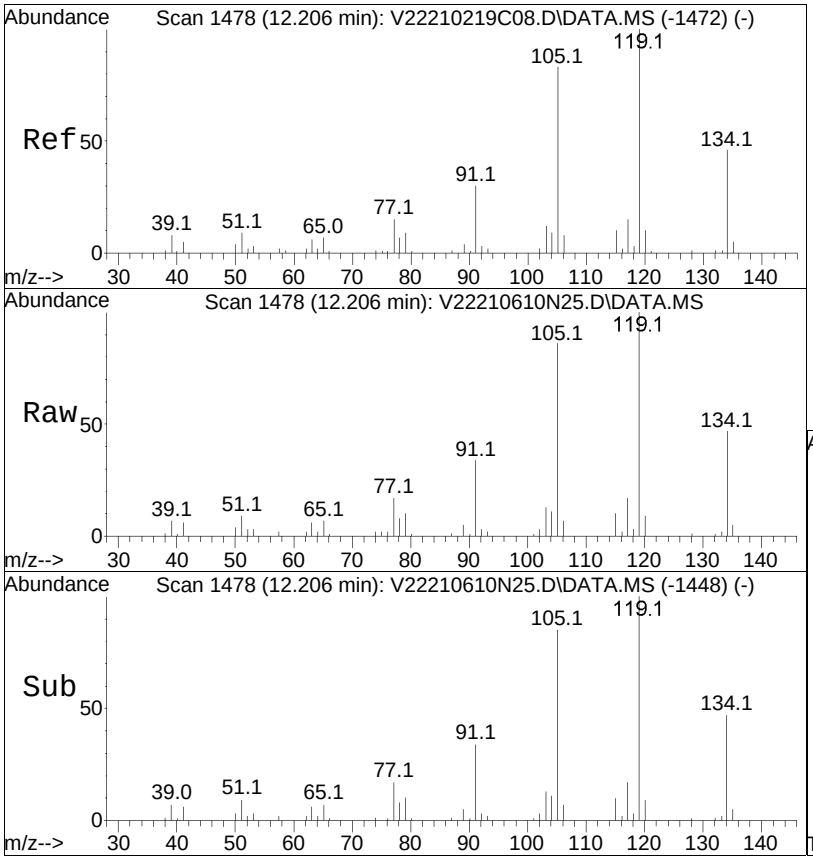


#105
1,4-Dichlorobenzene
Concen: 10.29 ug/L
RT: 11.970 min Scan# 1444
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:146 Resp: 136060

Ion	Ratio	Lower	Upper
146	100		
111	38.6	28.9	43.3
148	63.3	51.4	77.2

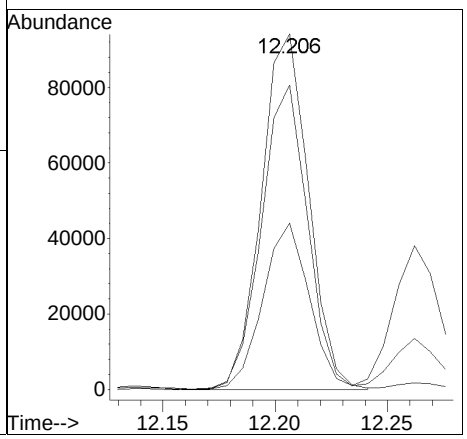


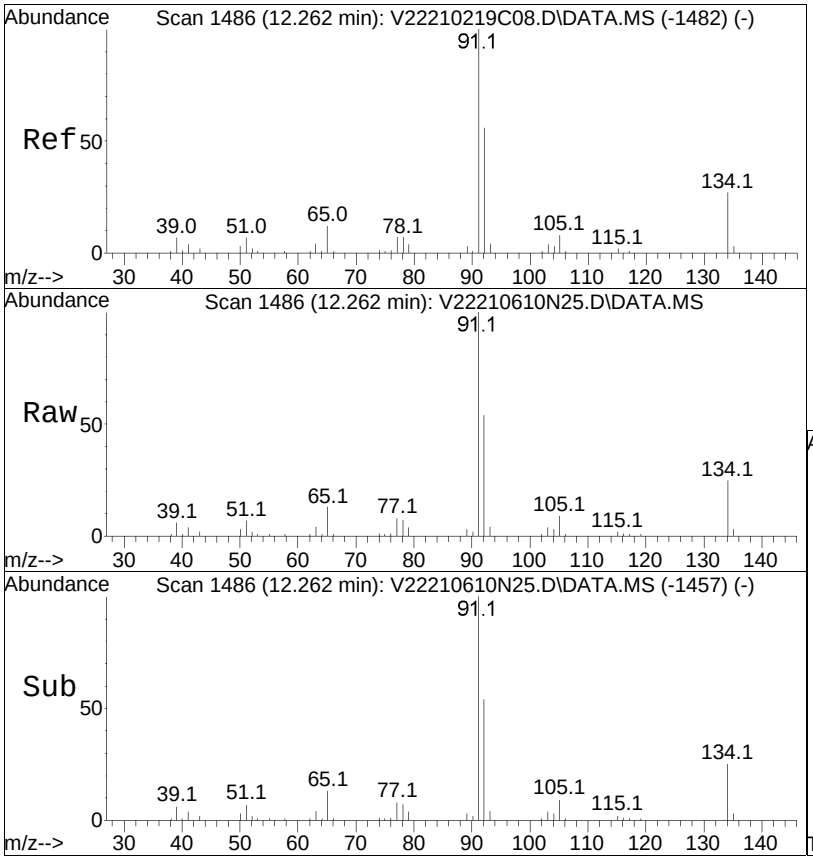


#106
p-Diethylbenzene
Concen: 9.44 ug/L
RT: 12.206 min Scan# 1478
Delta R.T. 0.006 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:119 Resp: 137957

Ion	Ratio	Lower	Upper
119	100		
105	83.8	53.4	110.8
134	46.0	30.9	64.1

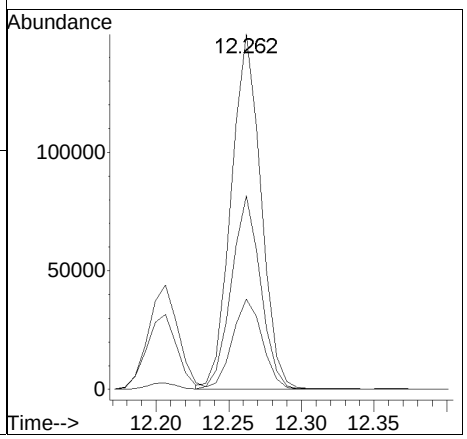


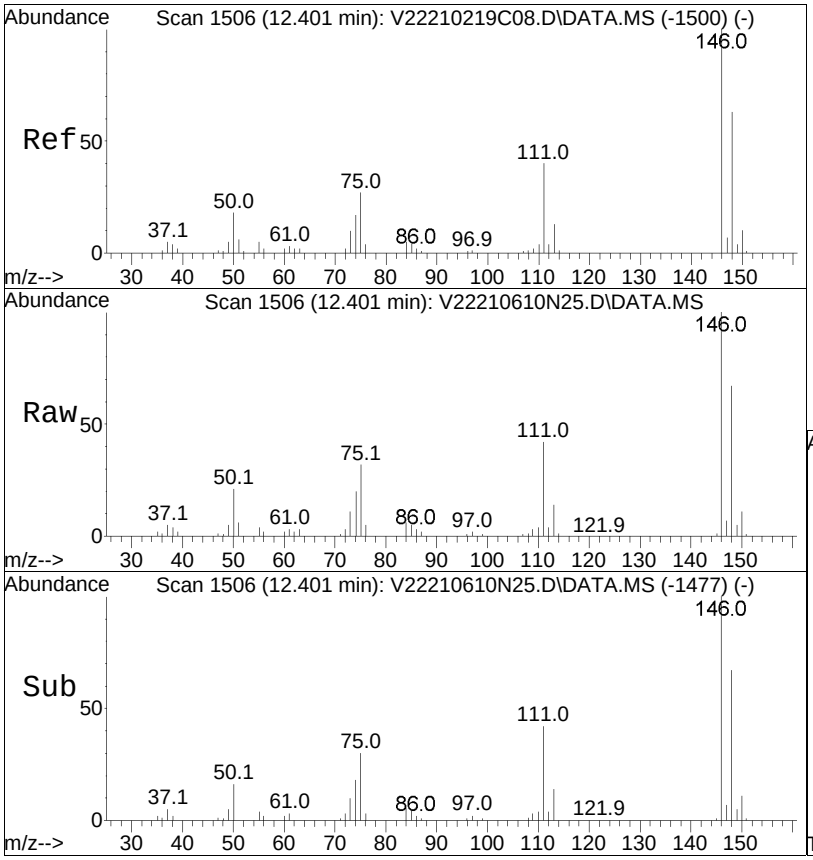


#107
n-Butylbenzene
Concen: 9.30 ug/L
RT: 12.262 min Scan# 1486
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion: 91 Resp: 213276

Ion	Ratio	Lower	Upper
91	100		
92	53.8	44.6	66.8
134	25.7	22.9	34.3

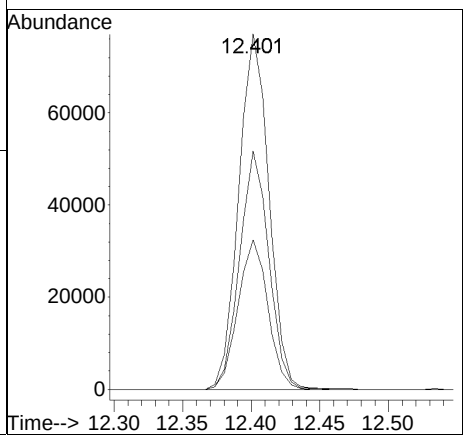


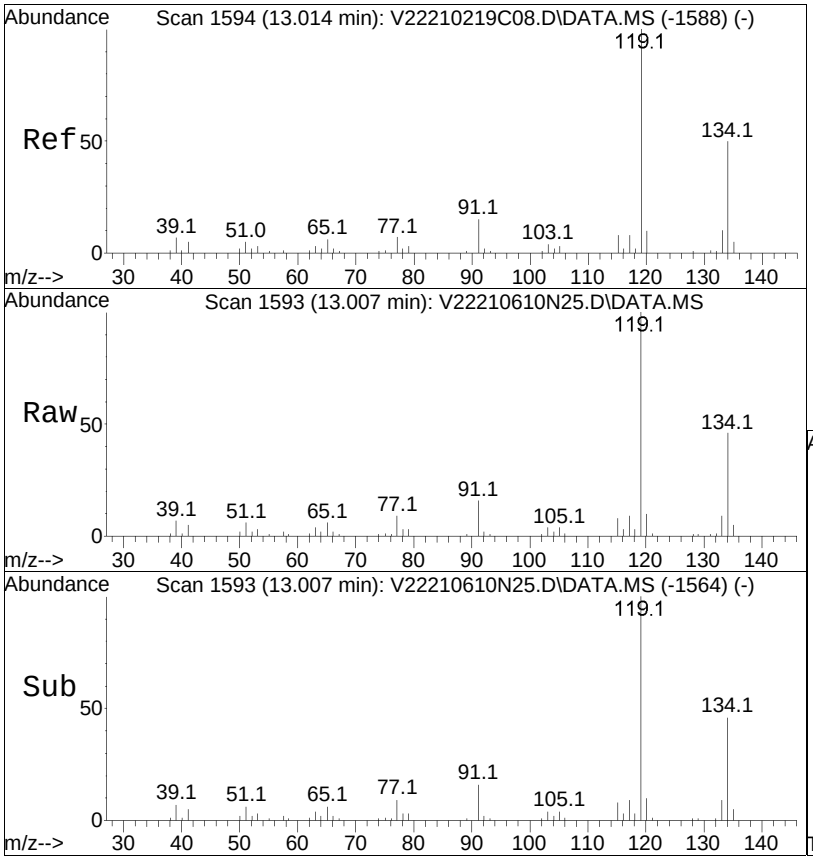


#108
1,2-Dichlorobenzene
Concen: 10.06 ug/L
RT: 12.401 min Scan# 1506
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:146 Resp: 118193

Ion	Ratio	Lower	Upper
146	100		
111	41.6	24.8	51.6
148	64.9	42.2	87.6

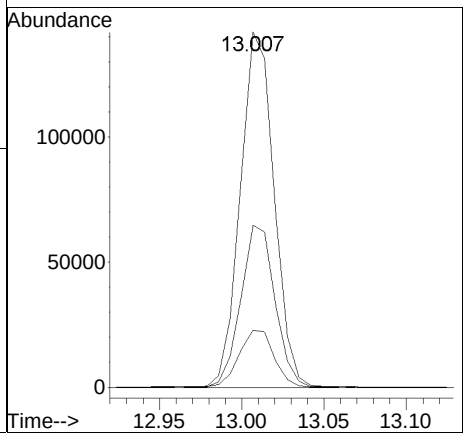


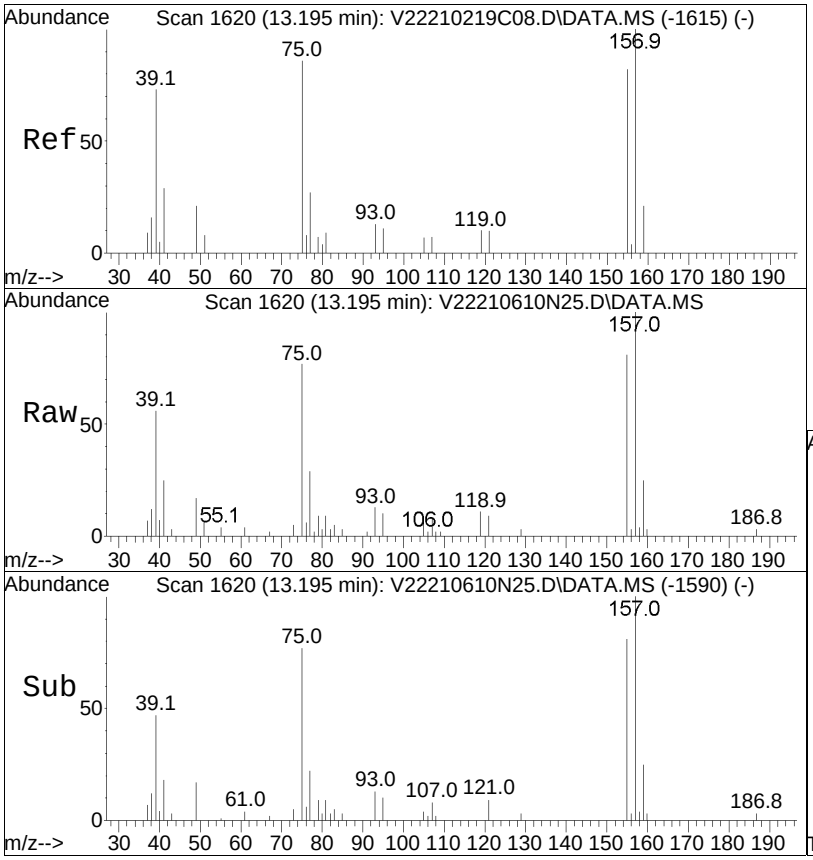


#109
1,2,4,5-Tetramethylbenzene
Concen: 9.79 ug/L
RT: 13.007 min Scan# 1593
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:119 Resp: 203358

Ion	Ratio	Lower	Upper
119	100		
134	46.3	31.9	66.1
91	17.1	9.8	20.3

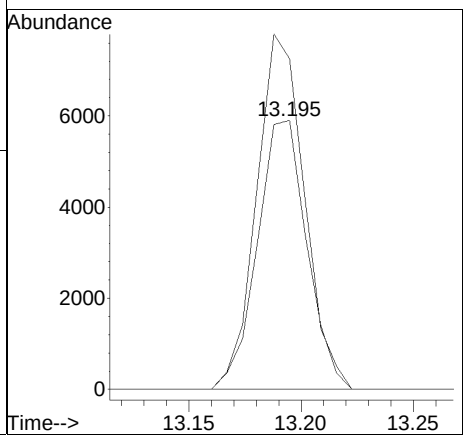


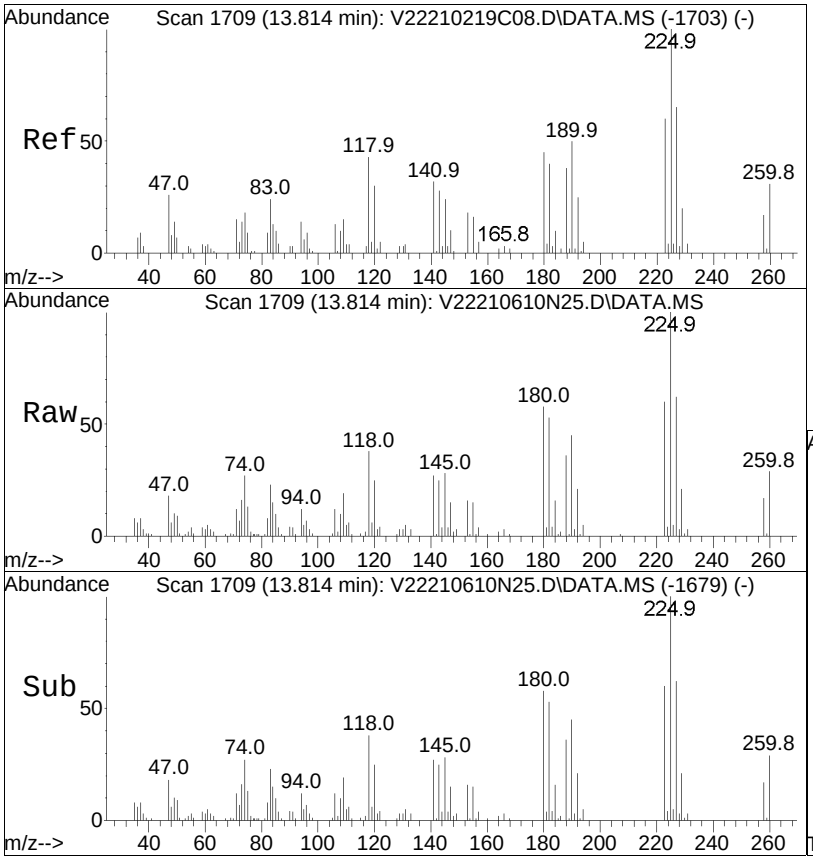


#110
1,2-Dibromo-3-chloropropane
Concen: 11.82 ug/L
RT: 13.195 min Scan# 1620
Delta R.T. 0.007 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:155 Resp: 9068

Ion	Ratio	Lower	Upper
155	100		
157	126.9	102.3	153.5

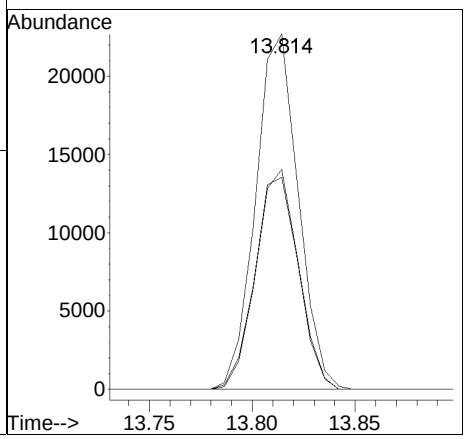


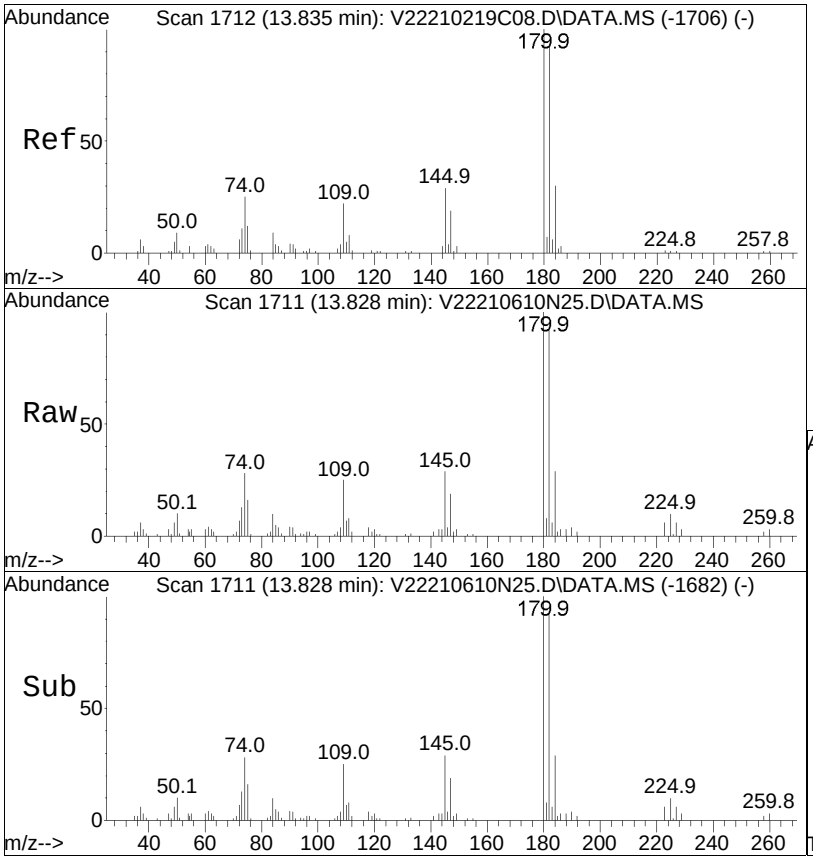


#112
Hexachlorobutadiene
Concen: 13.14 ug/L
RT: 13.814 min Scan# 1709
Delta R.T. 0.007 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:225 Resp: 32733

Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.8	74.8
227	61.6	52.2	78.4

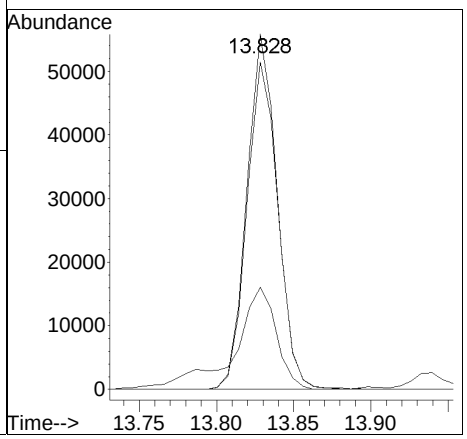


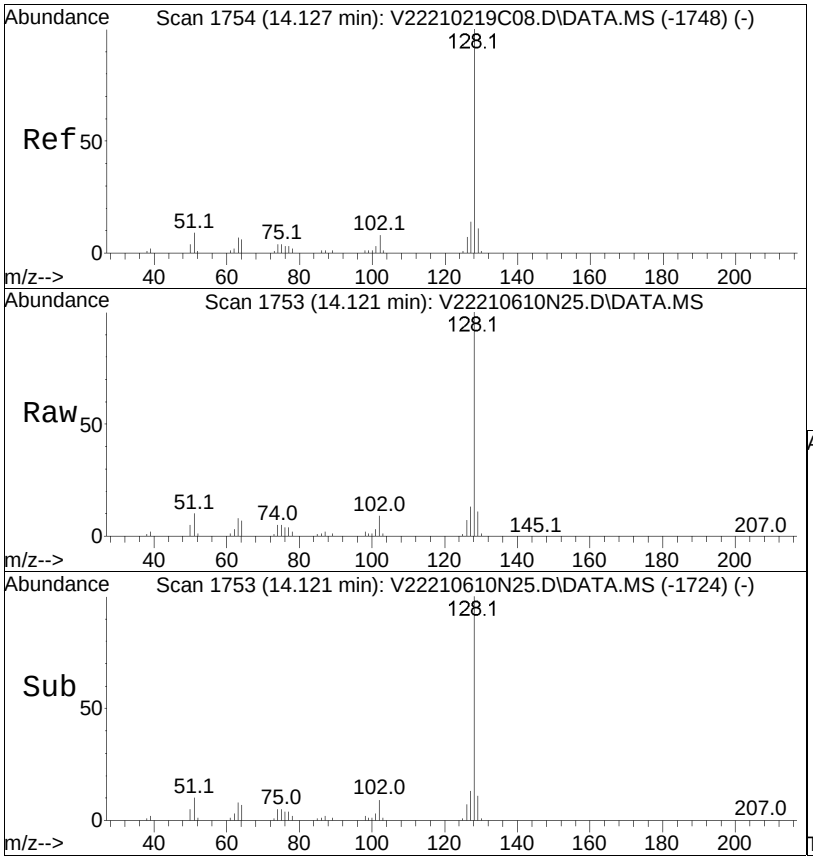


#113
1,2,4-Trichlorobenzene
Concen: 11.24 ug/L
RT: 13.828 min Scan# 1711
Delta R.T. 0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:180 Resp: 76558

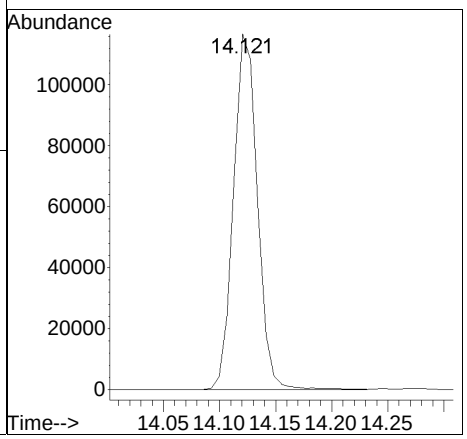
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.6	114.8
145	40.6	25.5	38.3#

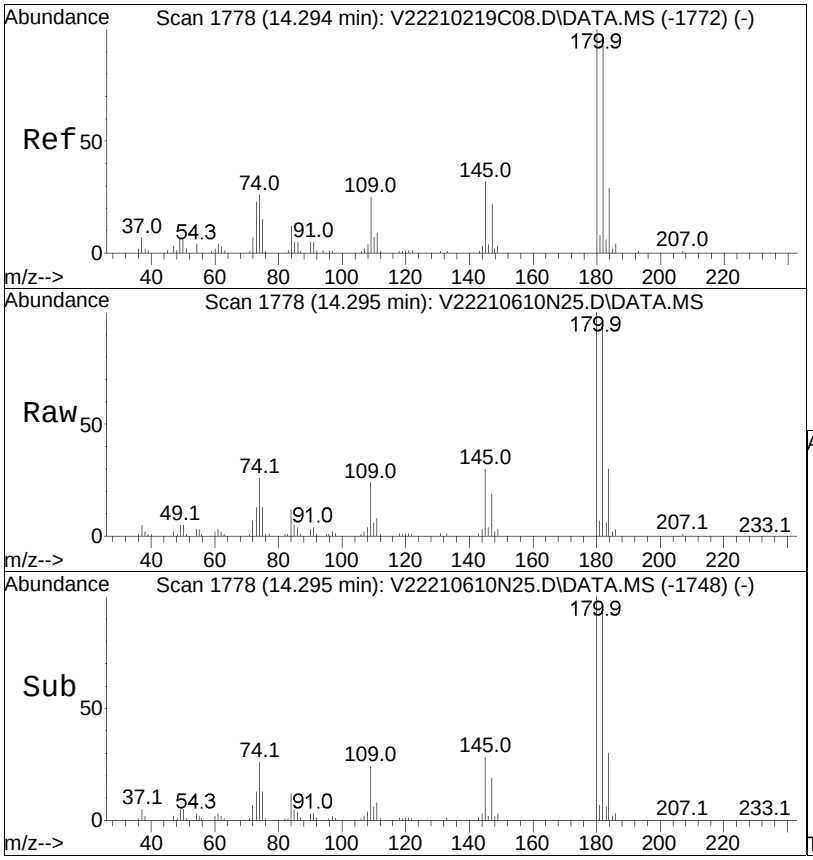




#114
Naphthalene
Concen: 10.93 ug/L
RT: 14.121 min Scan# 1753
Delta R.T. -0.000 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:128 Resp: 172537

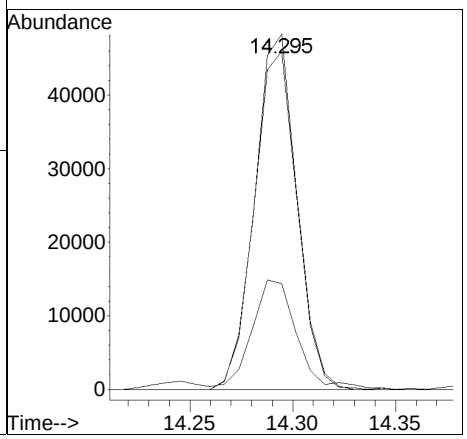




#115
1,2,3-Trichlorobenzene
Concen: 11.47 ug/L
RT: 14.295 min Scan# 1778
Delta R.T. 0.007 min
Lab File: V22210610N25.D
Acq: 11 Jun 2021 06:21 am

Tgt Ion:180 Resp: 68773

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.0	114.0
145	32.9	23.8	35.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	QMethod	: V122_210420N_8260.m
Data File	: V22210610N25.D	Operator	: VOA122:NLK
Date Inj'd	: 6/11/2021 6:21 am	Instrument	: VOA122
Sample	: WG1510951-6,31,10,10,,A2,P	Quant Date	: 6/11/2021 11:45 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N26.D
Acq On : 11 Jun 2021 06:47 am
Operator : VOA122:NLK
Sample : WG1510951-7,31,10,10,,A1,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 11 11:45:46 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	284380	10.000	ug/L	0.00
Standard Area 1 = 227181			Recovery = 125.18%			
62) Chlorobenzene-d5	9.170	117	217530	10.000	ug/L	0.00
Standard Area 1 = 171867			Recovery = 126.57%			
83) 1,4-Dichlorobenzene-d4	11.956	152	122130	10.000	ug/L	0.00
Standard Area 1 = 97920			Recovery = 124.72%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	79959	10.663	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.63%			
46) 1,2-Dichloroethane-d4	5.379	65	95456	10.758	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.58%			
63) Toluene-d8	7.341	98	266635	9.674	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.74%			
87) 4-Bromofluorobenzene	10.708	95	109164	9.256	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	52681	10.677	ug/L #	96
3) Chloromethane	1.657	50	66339	9.206	ug/L	97
4) Vinyl chloride	1.699	62	78494	11.888	ug/L	97
5) Bromomethane	1.985	94	13431	6.603	ug/L	96
6) Chloroethane	2.082	64	30588	7.998	ug/L	98
7) Trichlorofluoromethane	2.215	101	104685	12.994	ug/L	99
8) Ethyl ether	2.507	74	25797	9.661	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	55958	11.600	ug/L #	72
11) Carbon disulfide	2.710	76	157117	10.715	ug/L	100
15) Methylene chloride	3.212	84	55272	10.138	ug/L #	67
17) Acetone	3.253	43	14343	10.400	ug/L	99
18) trans-1,2-Dichloroethene	3.358	96	333507	64.743	ug/L	80
21) Methyl tert-butyl ether	3.456	73	128047	10.721	ug/L	90
25) 1,1-Dichloroethane	3.930	63	117161	10.503	ug/L	97
27) Acrylonitrile	3.971	53	16650	10.458	ug/L	97
29) Vinyl acetate	4.160	43	111837	11.156	ug/L #	90
30) cis-1,2-Dichloroethene	4.431	96	178166	30.420	ug/L #	81
31) 2,2-Dichloropropane	4.536	77	65155	8.307	ug/L	92
32) Bromochloromethane	4.620	128	28420	11.935	ug/L #	75
34) Chloroform	4.689	83	111915	11.254	ug/L	97

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N26.D
Acq On : 11 Jun 2021 06:47 am
Operator : VOA122:NLK
Sample : WG1510951-7,31,10,10,,A1,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 11 11:45:46 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	4.829	117	95376	13.226	ug/L		98
39) 1,1,1-Trichloroethane	4.892	97	105255	12.239	ug/L		96
41) 2-Butanone	4.982	43	16934	9.787	ug/L	#	71
42) 1,1-Dichloropropene	5.017	75	51902	10.341	ug/L		96
44) Benzene	5.254	78	215624	10.339	ug/L	#	92
47) 1,2-Dichloroethane	5.446	62	79877	10.928	ug/L		99
51) Trichloroethene	5.837	95	100153	18.060	ug/L		95
53) Dibromomethane	6.265	93	32582	10.442	ug/L		89
54) 1,2-Dichloropropane	6.376	63	58632	9.948	ug/L		98
57) Bromodichloromethane	6.442	83	78877	10.809	ug/L		99
60) 1,4-Dioxane	6.656	88	19052	546.195	ug/L	#	66
61) cis-1,3-Dichloropropene	7.134	75	81268	9.859	ug/L	#	91
64) Toluene	7.400	92	136463	10.153	ug/L		100
65) 4-Methyl-2-pentanone	7.842	58	14689	10.979	ug/L	#	86
66) Tetrachloroethene	7.842	166	96429	17.730	ug/L		94
68) trans-1,3-Dichloropropene	7.878	75	74125	9.176	ug/L		91
71) 1,1,2-Trichloroethane	8.063	83	37164	10.557	ug/L		92
72) Chlorodibromomethane	8.266	129	59263	11.784	ug/L		99
73) 1,3-Dichloropropane	8.384	76	72233	9.704	ug/L		99
74) 1,2-Dibromoethane	8.535	107	43622	11.250	ug/L		96
76) 2-Hexanone	8.844	43	24159	10.248	ug/L		93
77) Chlorobenzene	9.193	112	152931	10.159	ug/L		93
78) Ethylbenzene	9.241	91	276503	10.481	ug/L		96
79) 1,1,1,2-Tetrachloroethane	9.273	131	54562	11.029	ug/L		96
80) p/m Xylene	9.431	106	216045	20.952	ug/L		92
81) o Xylene	9.971	106	203235	20.866	ug/L		91
82) Styrene	10.042	104	321608	20.456	ug/L		93
84) Bromoform	10.050	173	35748	12.299	ug/L		99
86) Isopropylbenzene	10.375	105	291568	10.027	ug/L		96
88) Bromobenzene	10.819	156	66707	10.692	ug/L		98
89) n-Propylbenzene	10.882	91	333546	9.195	ug/L		97
91) 1,1,2,2-Tetrachloroethane	10.962	83	47271	9.746	ug/L		99
92) 4-Ethyltoluene	11.009	105	265953	9.459	ug/L		97
93) 2-Chlorotoluene	11.041	91	225237	9.387	ug/L		97
94) 1,3,5-Trimethylbenzene	11.112	105	231586	9.747	ug/L		96
95) 1,2,3-Trichloropropane	11.105	75	40232	9.407	ug/L		98
96) trans-1,4-Dichloro-2-b...	11.168	53	14467	9.349	ug/L	#	71
97) 4-Chlorotoluene	11.231	91	203755	9.470	ug/L		95
98) tert-Butylbenzene	11.462	119	205046	9.186	ug/L		95

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N26.D
Acq On : 11 Jun 2021 06:47 am
Operator : VOA122:NLK
Sample : WG1510951-7,31,10,10,,A1,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 11 11:45:46 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210610N\V22210610N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
101) 1,2,4-Trimethylbenzene	11.545	105	225498	9.738	ug/L		97
102) sec-Butylbenzene	11.656	105	258155	9.309	ug/L		97
103) p-Isopropyltoluene	11.824	119	241046	9.571	ug/L		96
104) 1,3-Dichlorobenzene	11.879	146	133900	10.200	ug/L		97
105) 1,4-Dichlorobenzene	11.970	146	136465	10.366	ug/L		98
106) p-Diethylbenzene	12.206	119	137733	9.468	ug/L		98
107) n-Butylbenzene	12.262	91	207917	9.108	ug/L		97
108) 1,2-Dichlorobenzene	12.401	146	118914	10.167	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.007	119	203414	9.831	ug/L		97
110) 1,2-Dibromo-3-chloropr...	13.188	155	8681	11.376	ug/L		93
112) Hexachlorobutadiene	13.814	225	31443	12.671	ug/L		98
113) 1,2,4-Trichlorobenzene	13.828	180	78540	11.583	ug/L	#	95
114) Naphthalene	14.121	128	178275	11.342	ug/L		100
115) 1,2,3-Trichlorobenzene	14.288	180	70560	11.812	ug/L		98

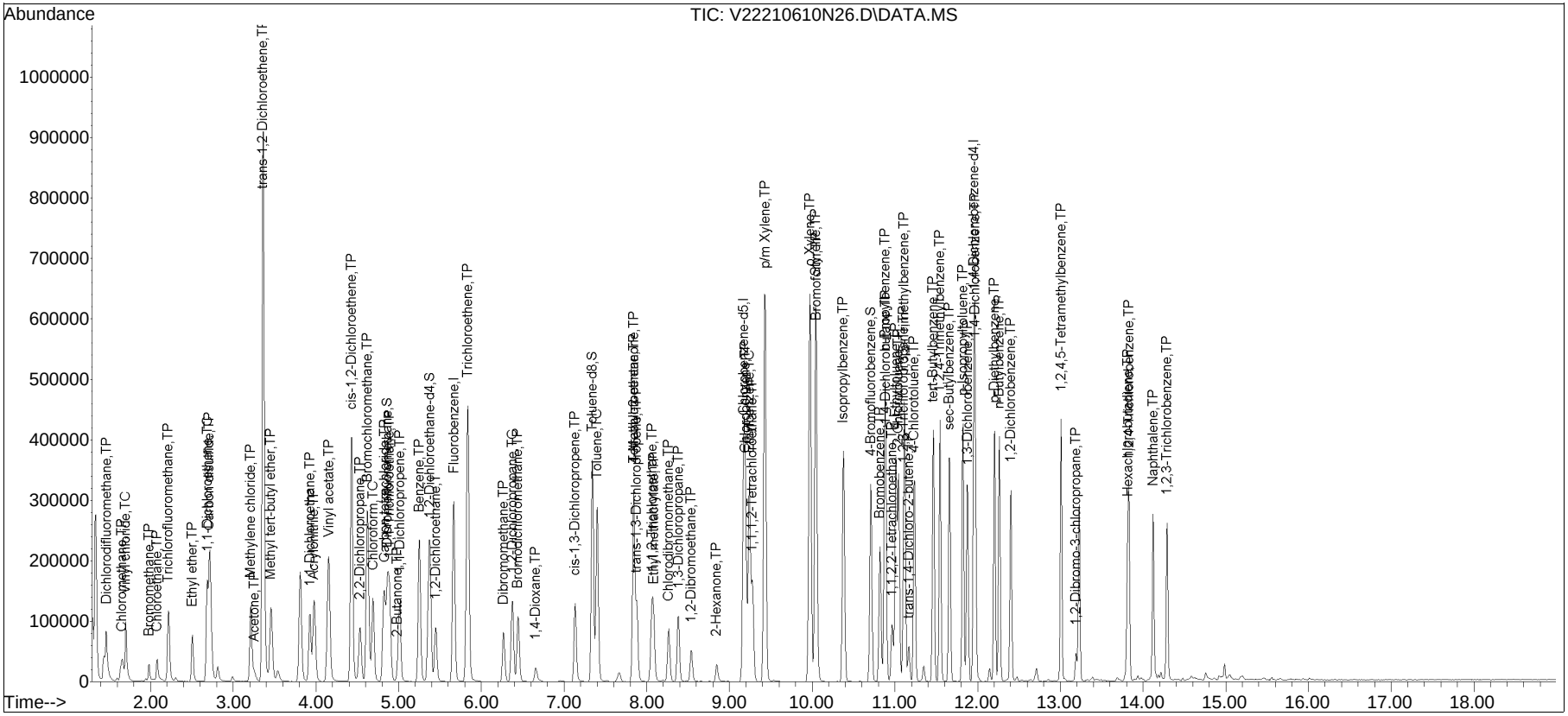
(#) = qualifier out of range (m) = manual integration (+) = signals summed

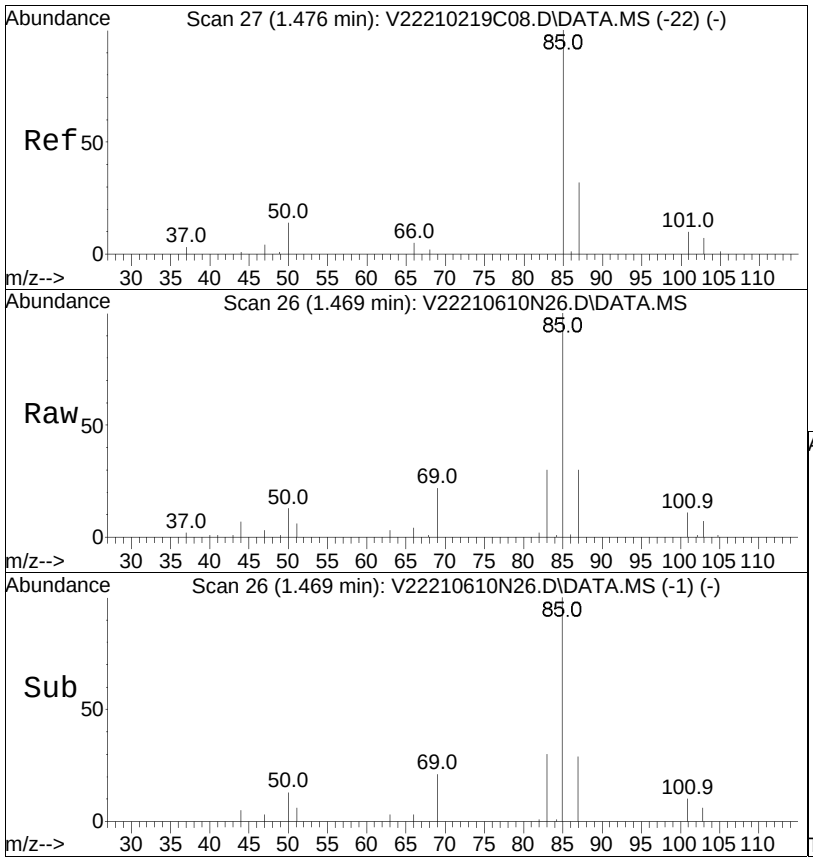
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210610N\
Data File : V22210610N26.D
Acq On : 11 Jun 2021 06:47 am
Operator : VOA122:NLK
Sample : WG1510951-7,31,10,10,,A1,PRI
Misc : WG1510951,ICAL17864
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 11 11:45:46 2021
Quant Method : I:\VOLATILES\VOA122\2021\210610N\V122_210420N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 21 12:03:56 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10610N\V22210610N01.D•

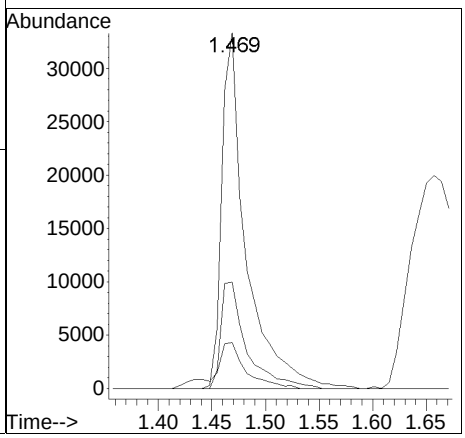


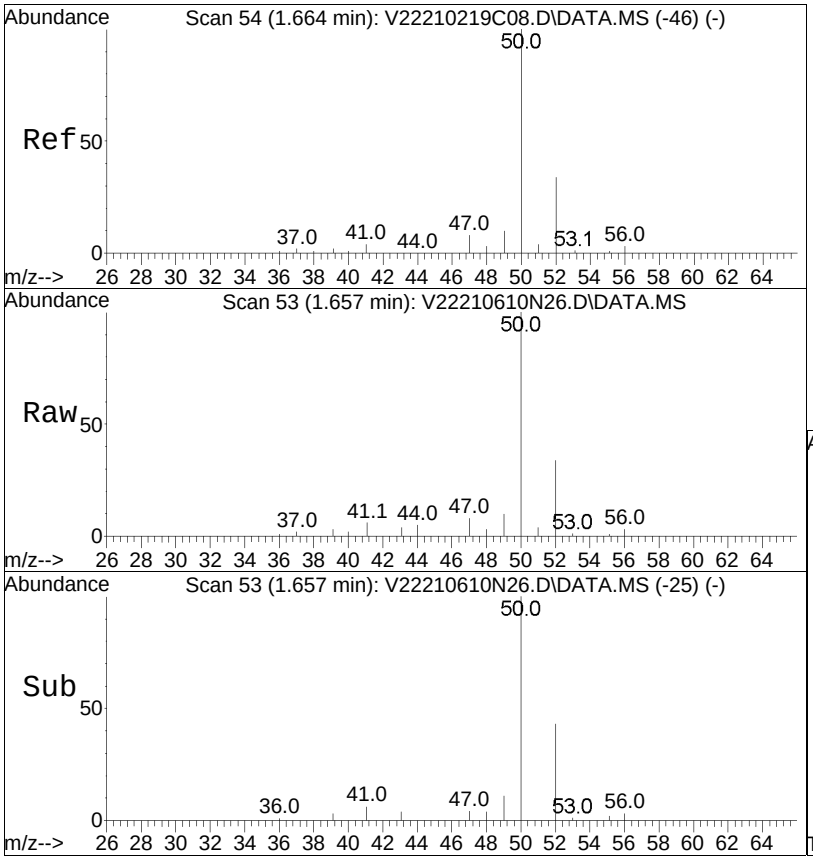


#2
Dichlorodifluoromethane
Concen: 10.68 ug/L
RT: 1.469 min Scan# 26
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 85 Resp: 52681

Ion	Ratio	Lower	Upper
85	100		
87	31.4	20.7	42.9
50	16.3	6.8	14.2#

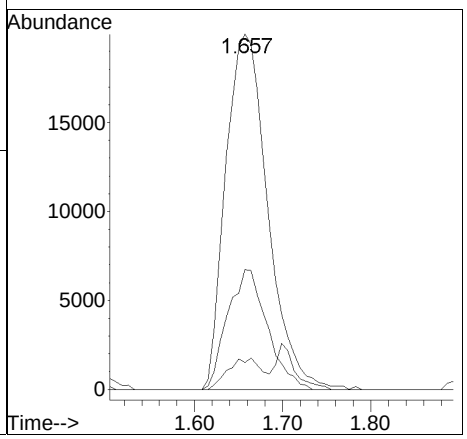


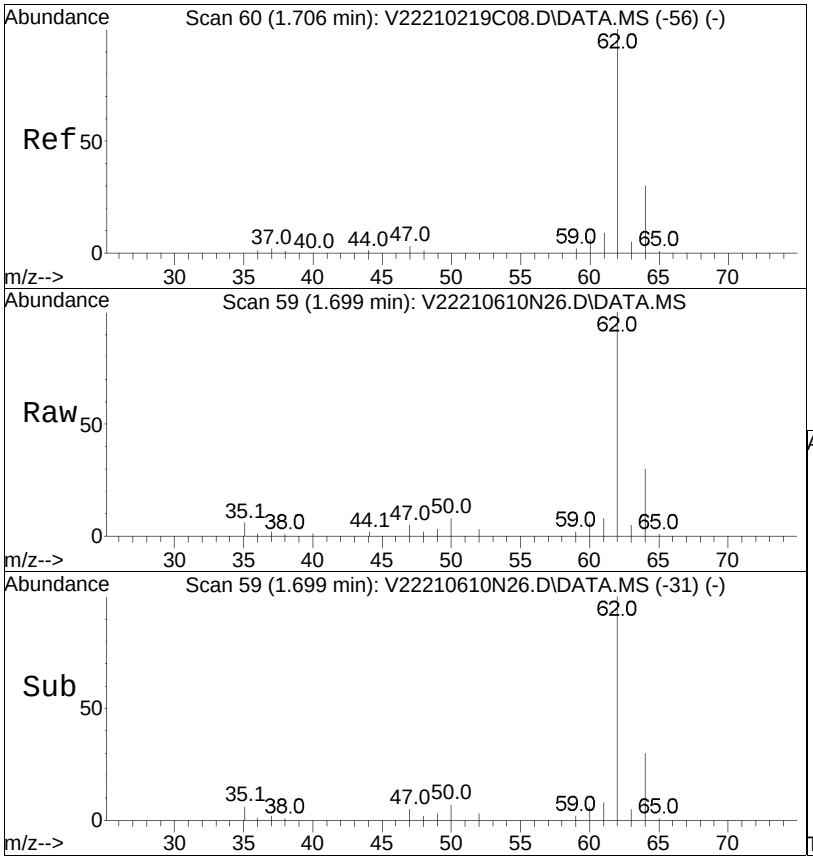


#3
Chloromethane
Concen: 9.21 ug/L
RT: 1.657 min Scan# 53
Delta R.T. -0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 50 Resp: 66339

Ion	Ratio	Lower	Upper
50	100		
52	31.8	12.8	52.8
47	7.2	0.0	30.0

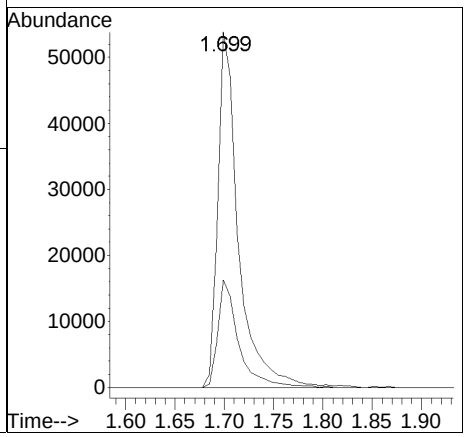


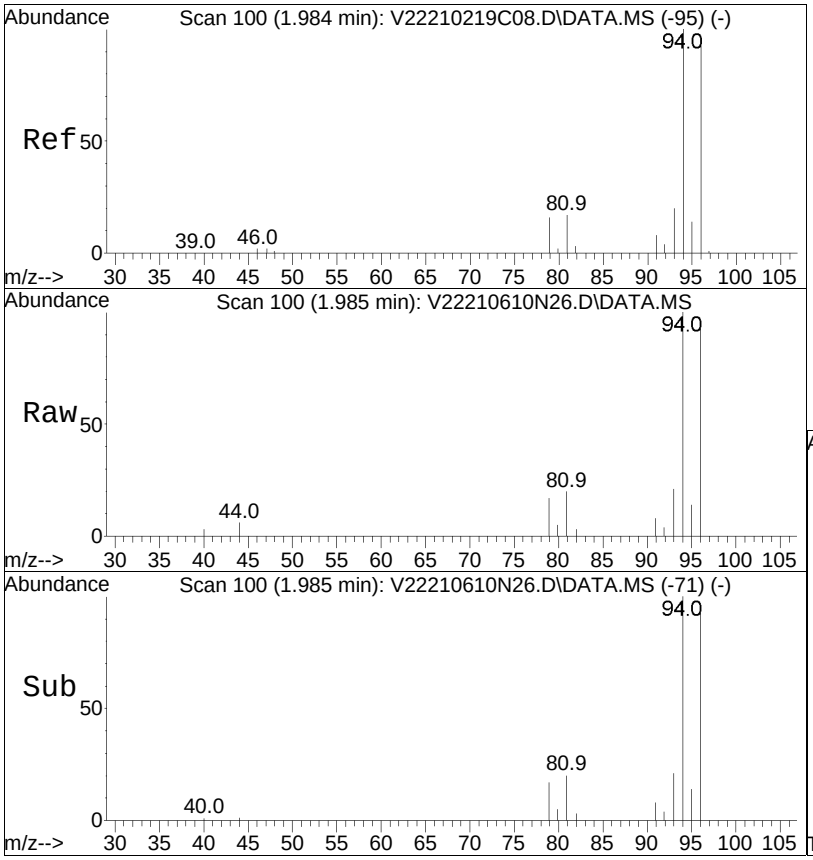


#4
Vinyl chloride
Concen: 11.89 ug/L
RT: 1.699 min Scan# 59
Delta R.T. -0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 62 Resp: 78494

Ion	Ratio	Lower	Upper
62	100		
64	30.4	12.0	52.0

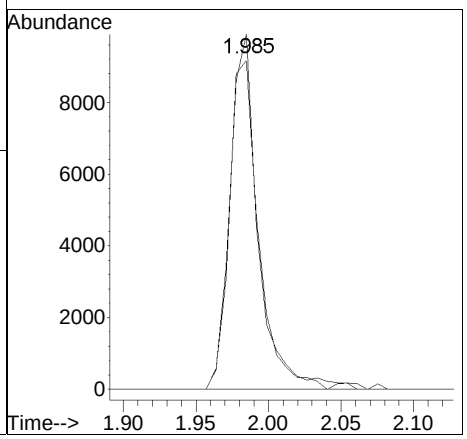


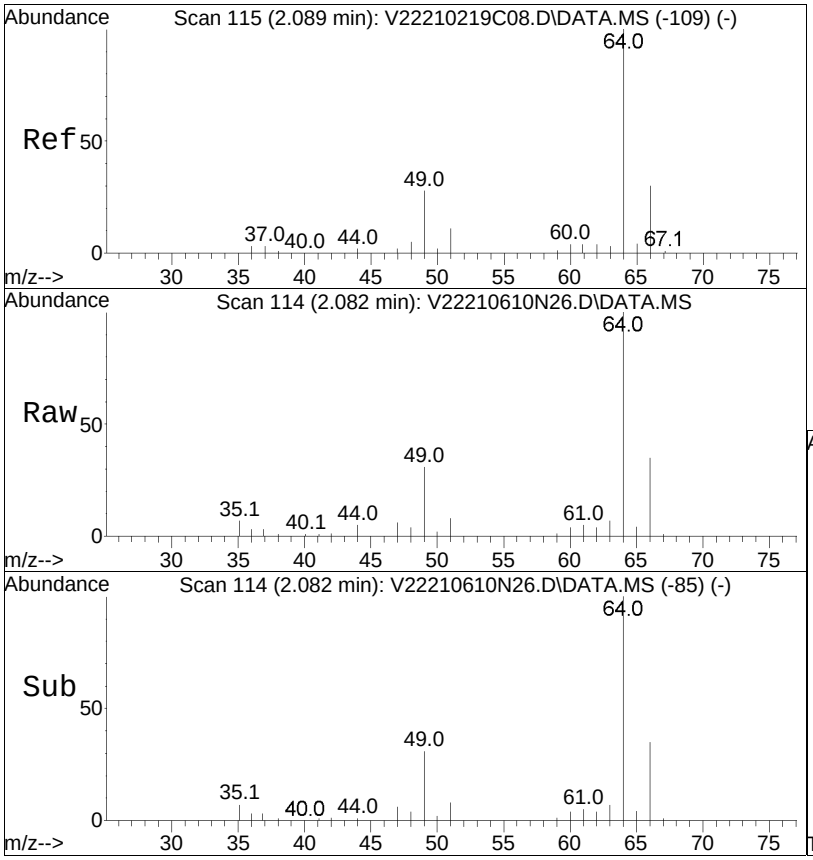


#5
Bromomethane
Concen: 6.60 ug/L
RT: 1.985 min Scan# 100
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 94 Resp: 13431

Ion	Ratio	Lower	Upper
94	100		
96	96.4	72.8	112.8

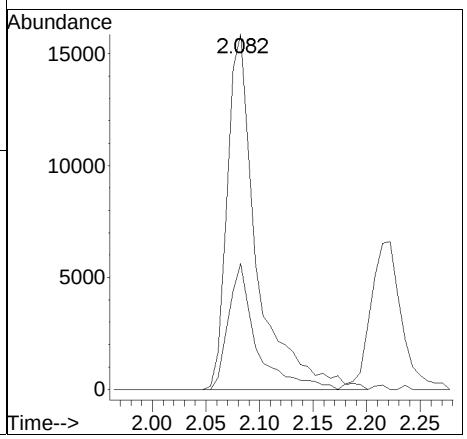


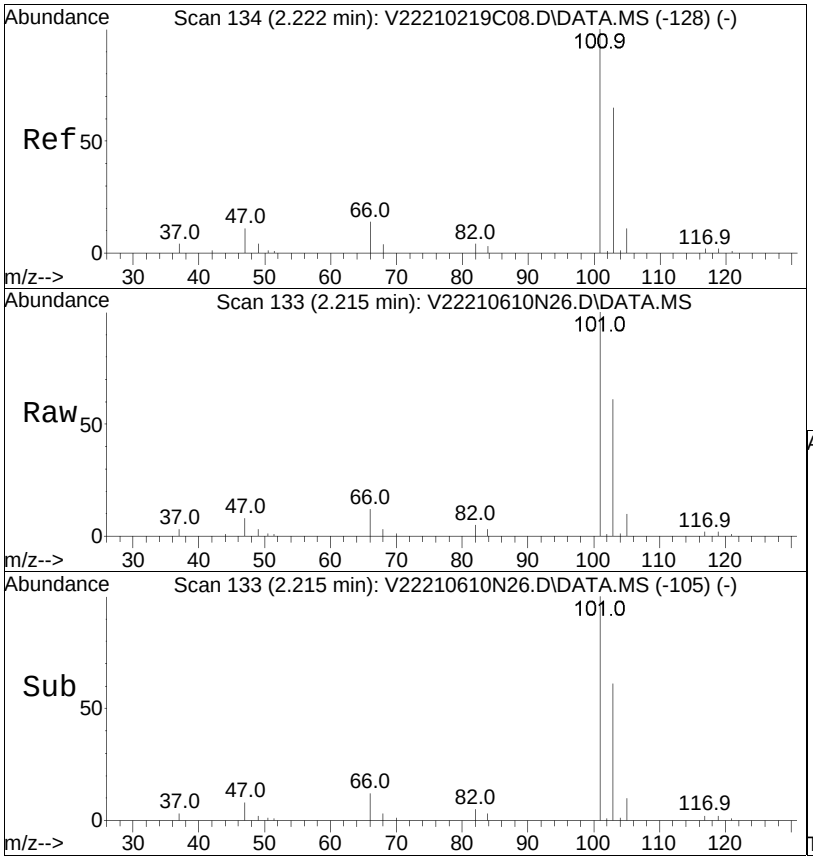


#6
Chloroethane
Concen: 8.00 ug/L
RT: 2.082 min Scan# 114
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 64 Resp: 30588

Ion	Ratio	Lower	Upper
64	100		
66	33.3	12.2	52.2

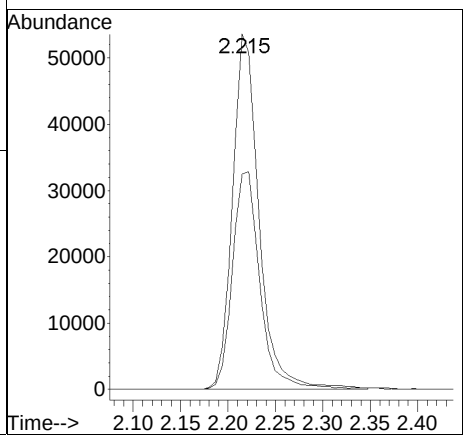


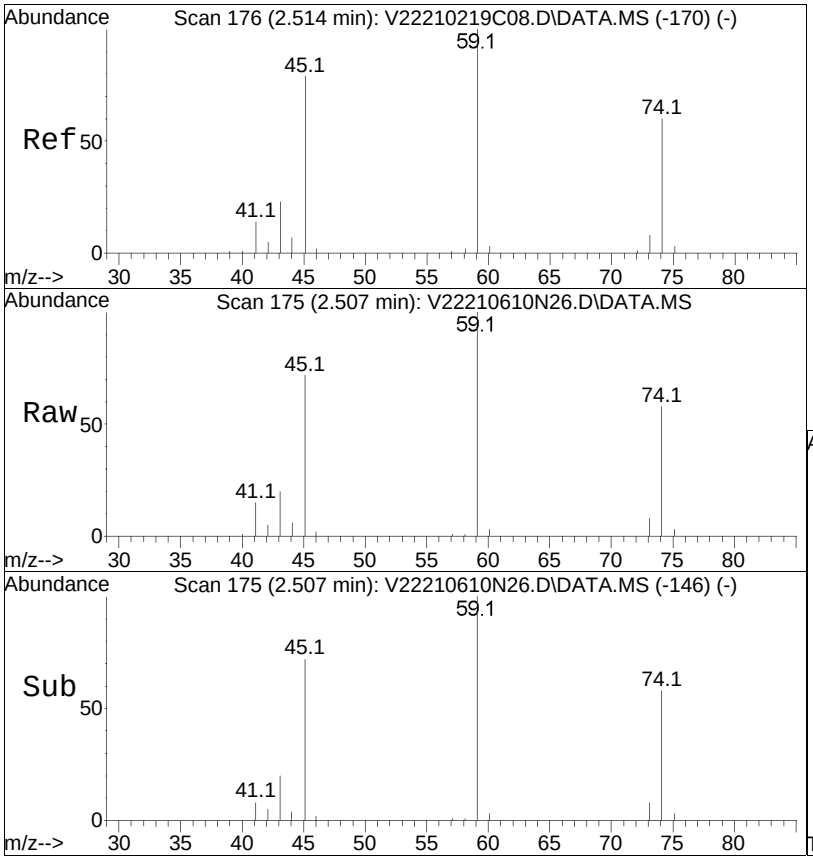


#7
Trichlorofluoromethane
Concen: 12.99 ug/L
RT: 2.215 min Scan# 133
Delta R.T. -0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:101 Resp: 104685

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.6	77.4

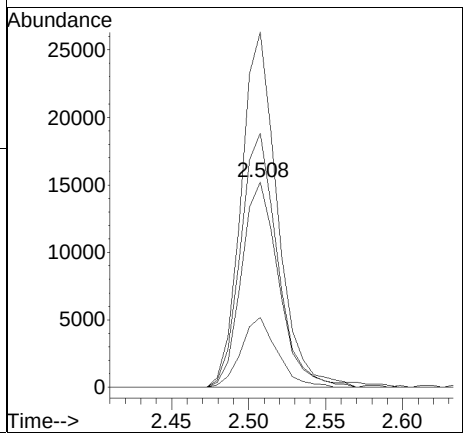


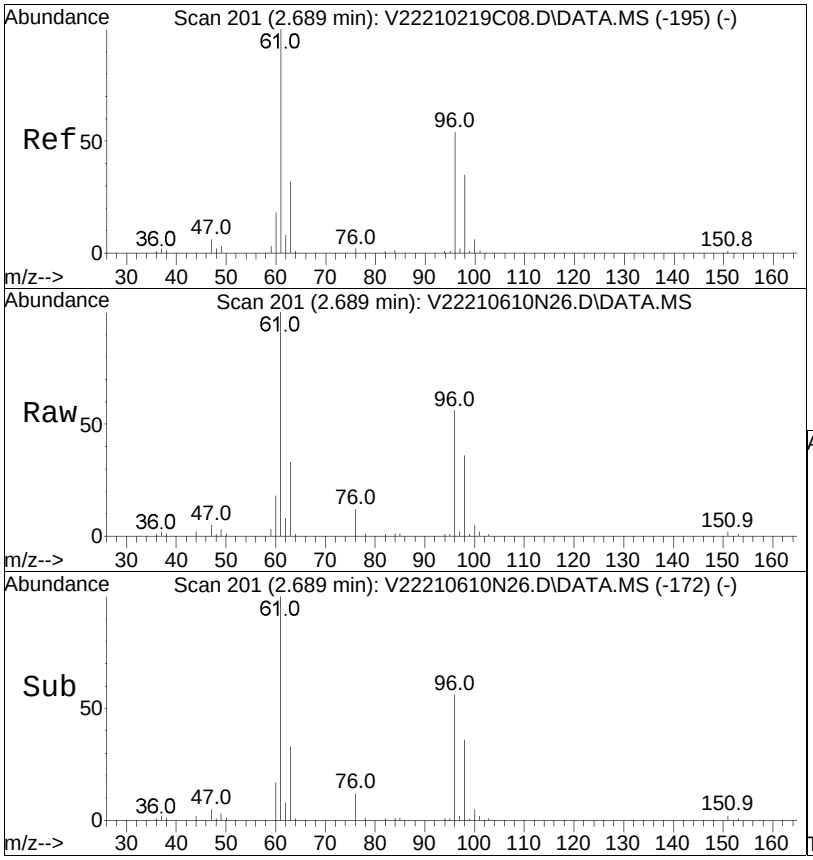


#8
Ethyl ether
Concen: 9.66 ug/L
RT: 2.507 min Scan# 175
Delta R.T. -0.001 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 74 Resp: 25797

Ion	Ratio	Lower	Upper
74	100		
59	169.1	2122.4	4408.0#
45	122.5	1435.1	2980.5#
43	32.9	407.9	847.3#

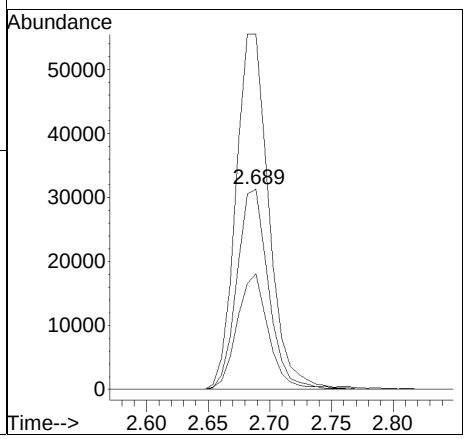


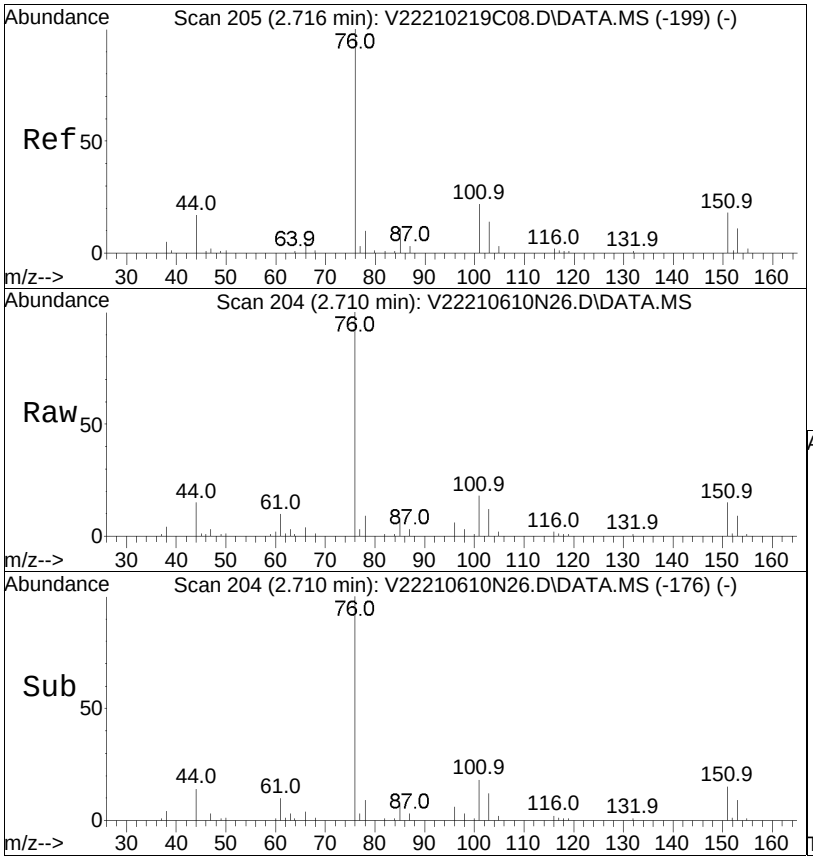


#10
1,1-Dichloroethene
Concen: 11.60 ug/L
RT: 2.689 min Scan# 201
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 96 Resp: 55958

Ion	Ratio	Lower	Upper
96	100		
61	185.9	117.0	175.4#
63	57.2	37.8	56.6#

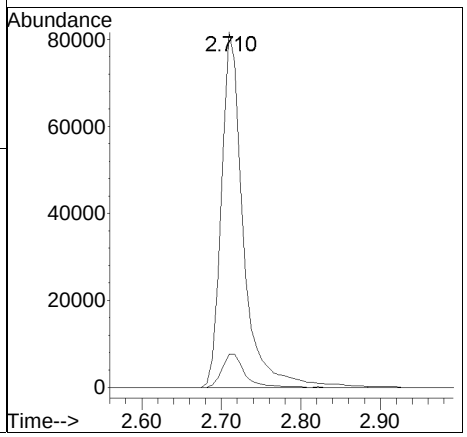


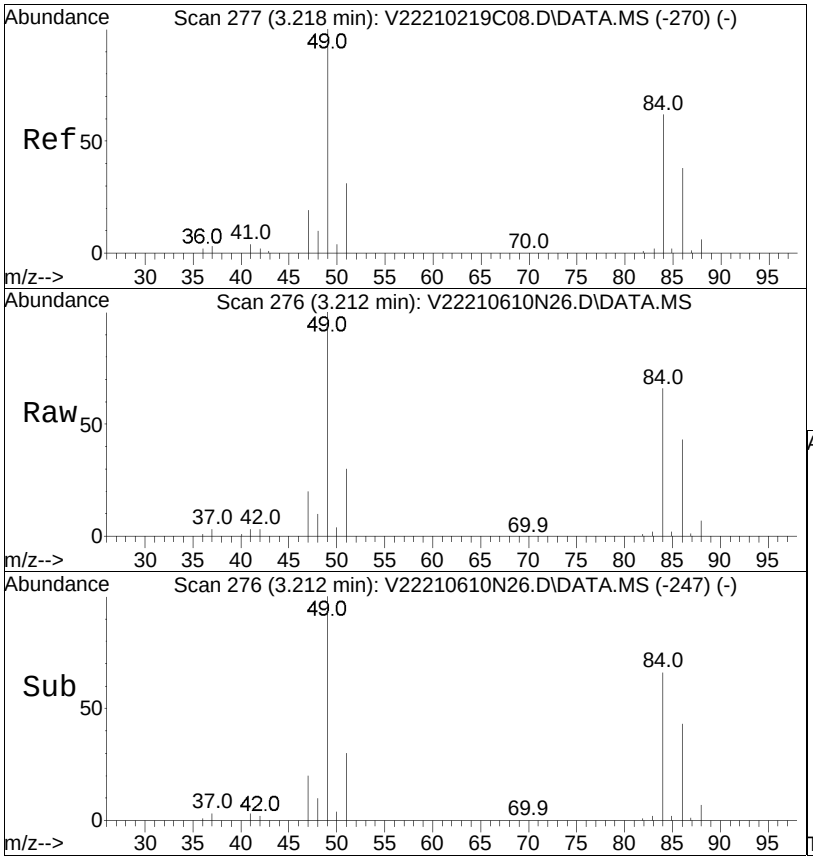


#11
Carbon disulfide
Concen: 10.71 ug/L
RT: 2.710 min Scan# 204
Delta R.T. -0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 76 Resp: 157117

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.4	13.4

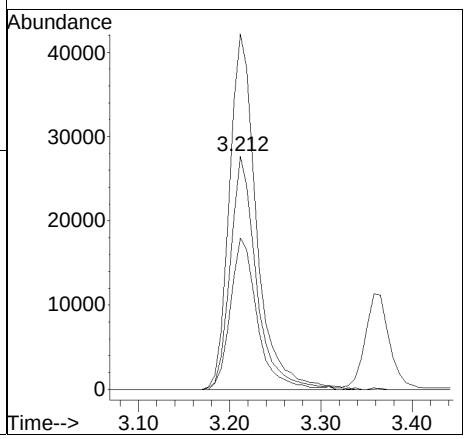


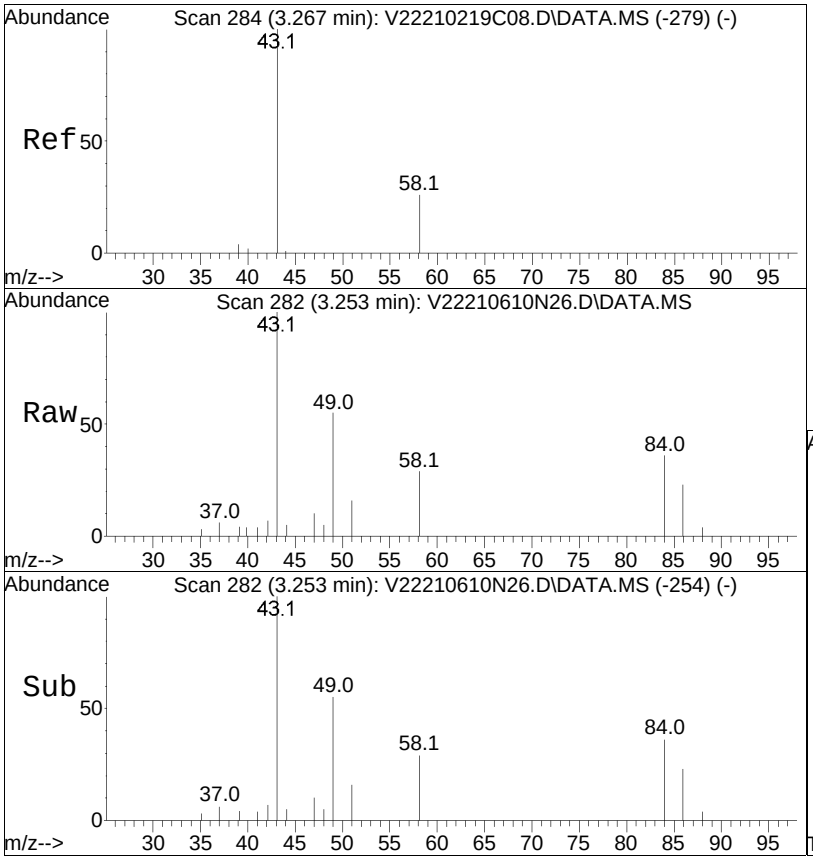


#15
Methylene chloride
Concen: 10.14 ug/L
RT: 3.212 min Scan# 276
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 84 Resp: 55272

Ion	Ratio	Lower	Upper
84	100		
86	66.5	41.5	86.3
49	158.1	68.8	143.0#

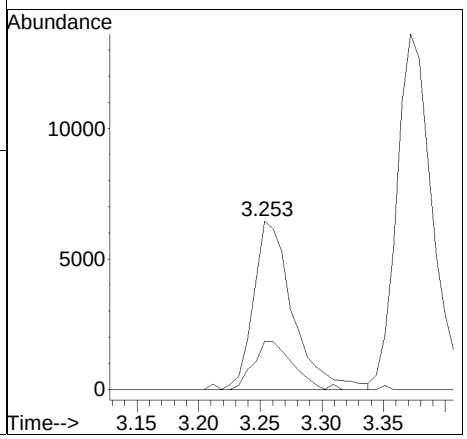


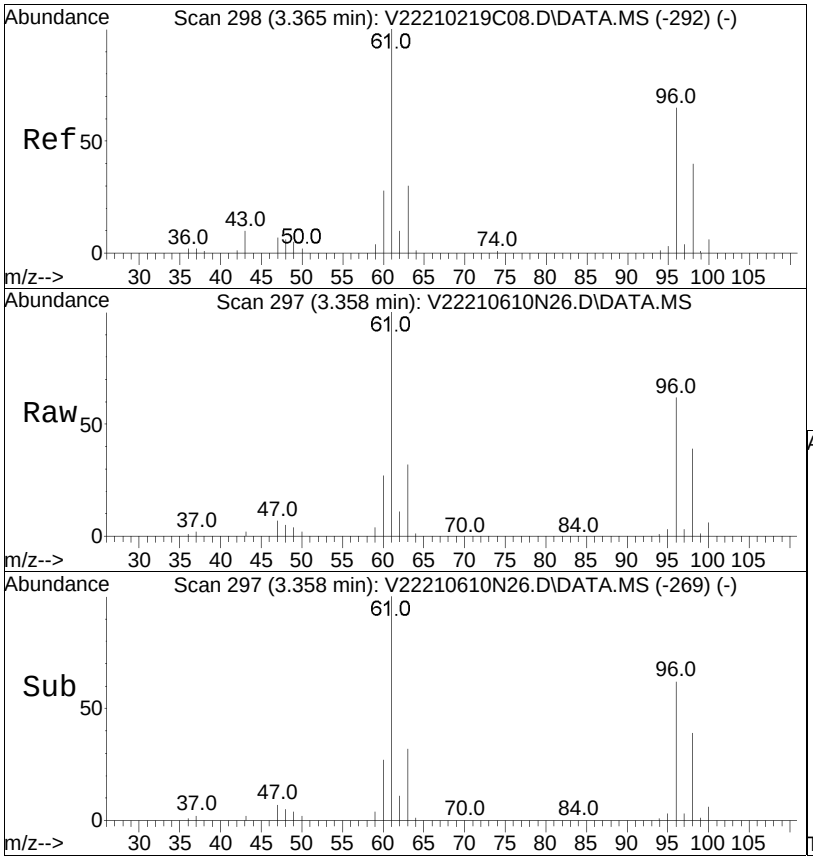


#17
Acetone
Concen: 10.40 ug/L
RT: 3.253 min Scan# 282
Delta R.T. -0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 43 Resp: 14343

Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.1	34.7

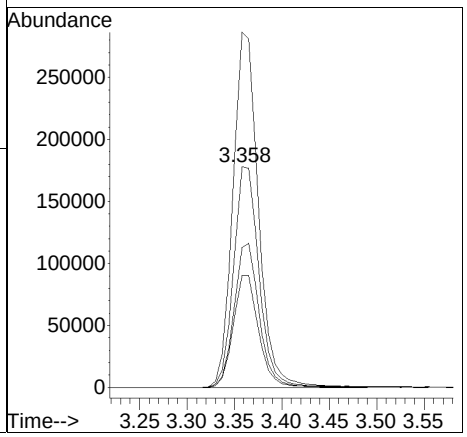


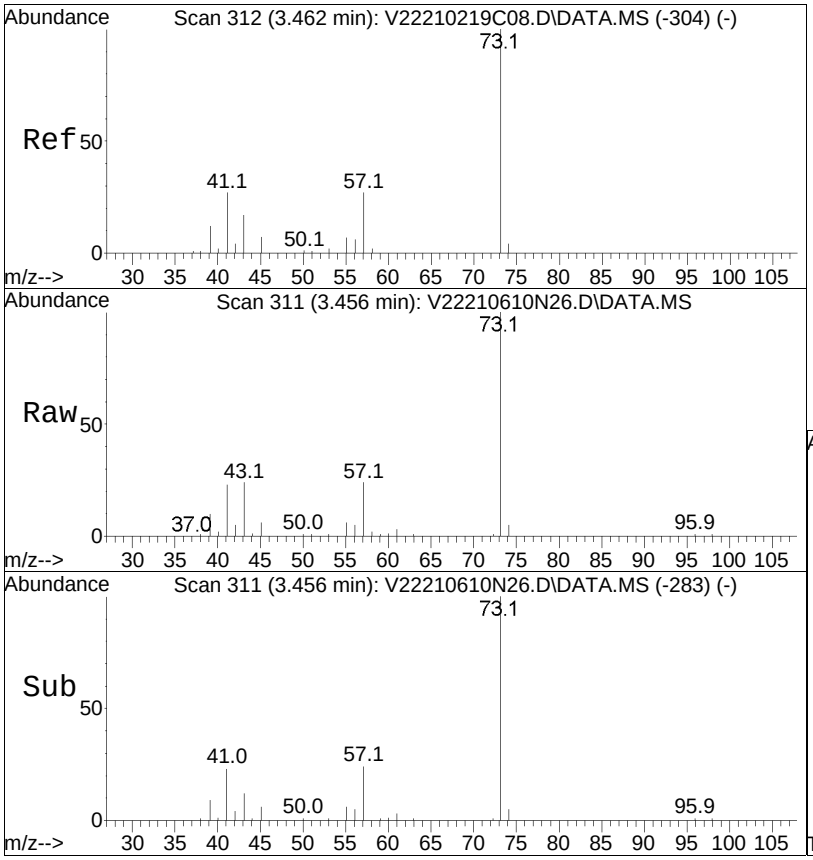


#18
trans-1,2-Dichloroethene
Concen: 64.74 ug/L
RT: 3.358 min Scan# 297
Delta R.T. -0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 96 Resp: 333507

Ion	Ratio	Lower	Upper
96	100		
61	161.1	81.6	169.6
98	64.6	41.8	86.8
63	50.5	26.3	54.7

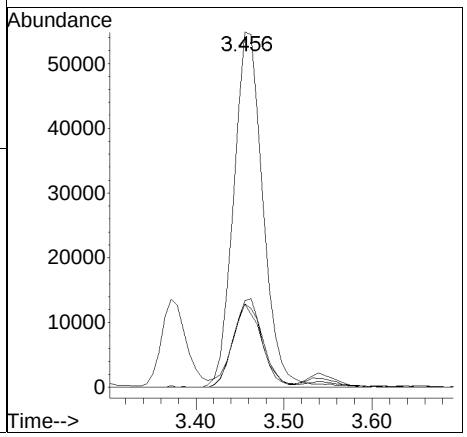


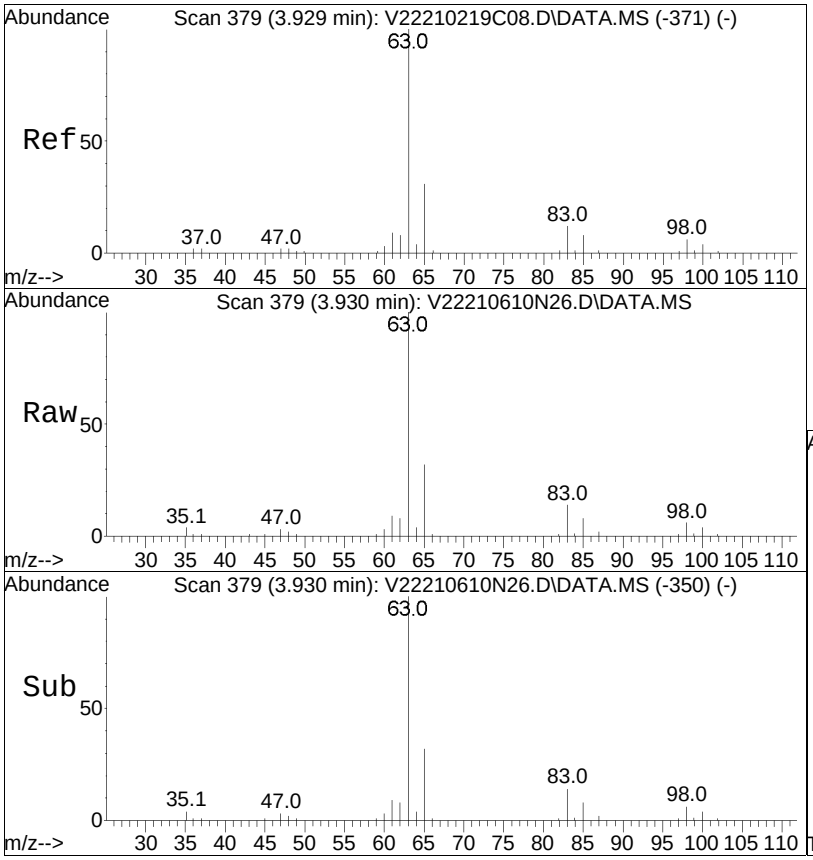


#21
Methyl tert-butyl ether
Concen: 10.72 ug/L
RT: 3.456 min Scan# 311
Delta R.T. -0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 73 Resp: 128047

Ion	Ratio	Lower	Upper
73	100		
57	25.0	13.6	28.2
43	23.4	12.7	26.5
41	23.1	11.4	23.8

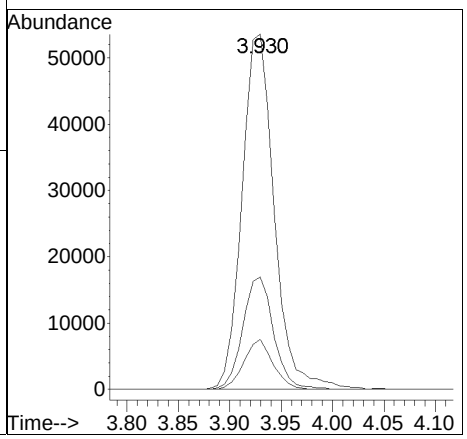


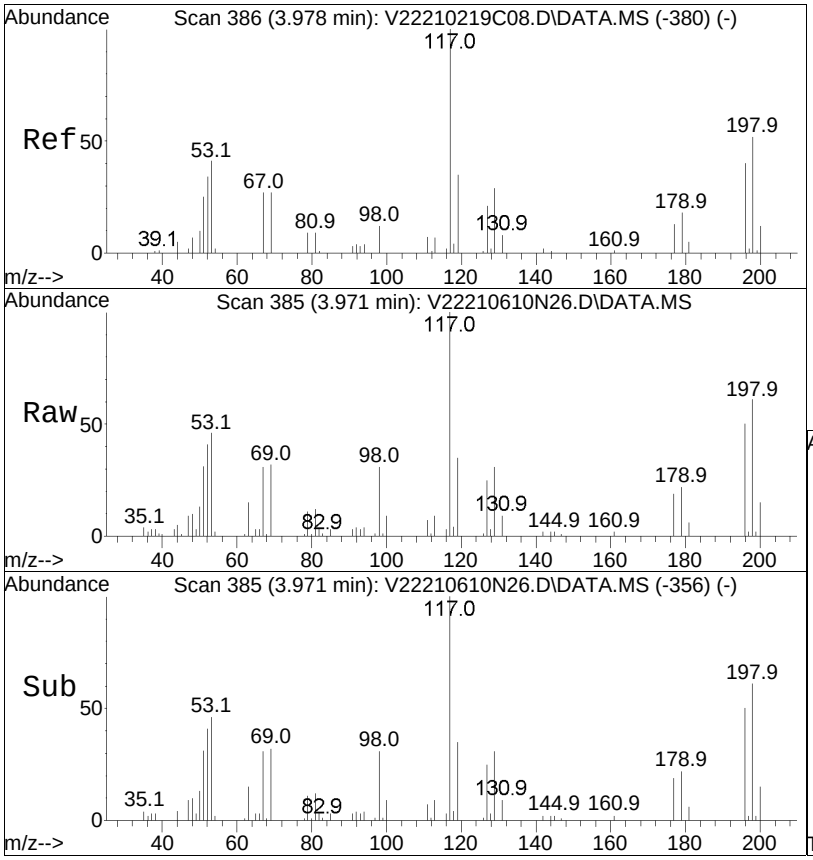


#25
1,1-Dichloroethane
Concen: 10.50 ug/L
RT: 3.930 min Scan# 379
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 63 Resp: 117161

Ion	Ratio	Lower	Upper
63	100		
65	30.1	11.9	51.9
83	12.7	0.0	34.2

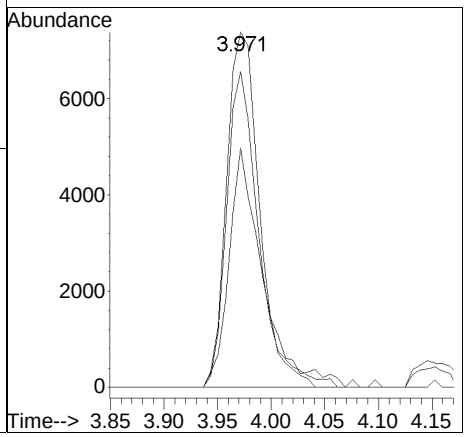


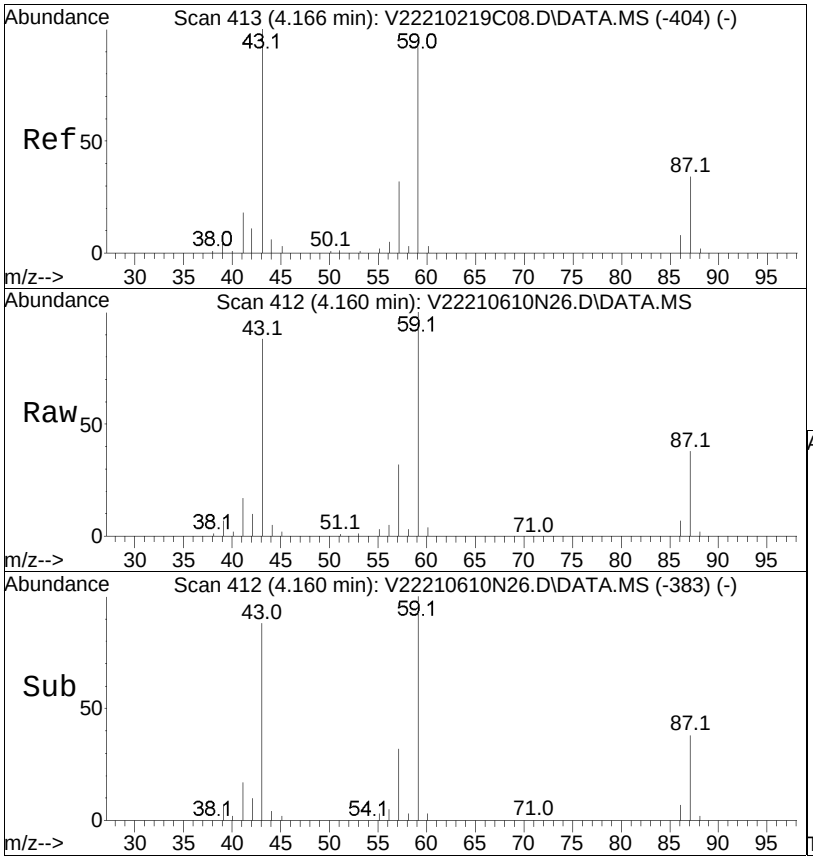


#27
Acrylonitrile
Concen: 10.46 ug/L
RT: 3.971 min Scan# 385
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 53 Resp: 16650

Ion	Ratio	Lower	Upper
53	100		
52	83.2	63.8	95.8
51	61.3	50.2	75.4

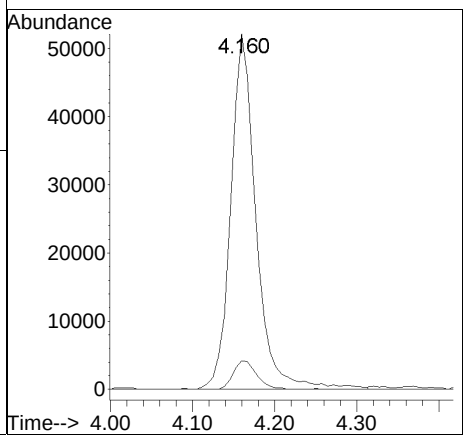


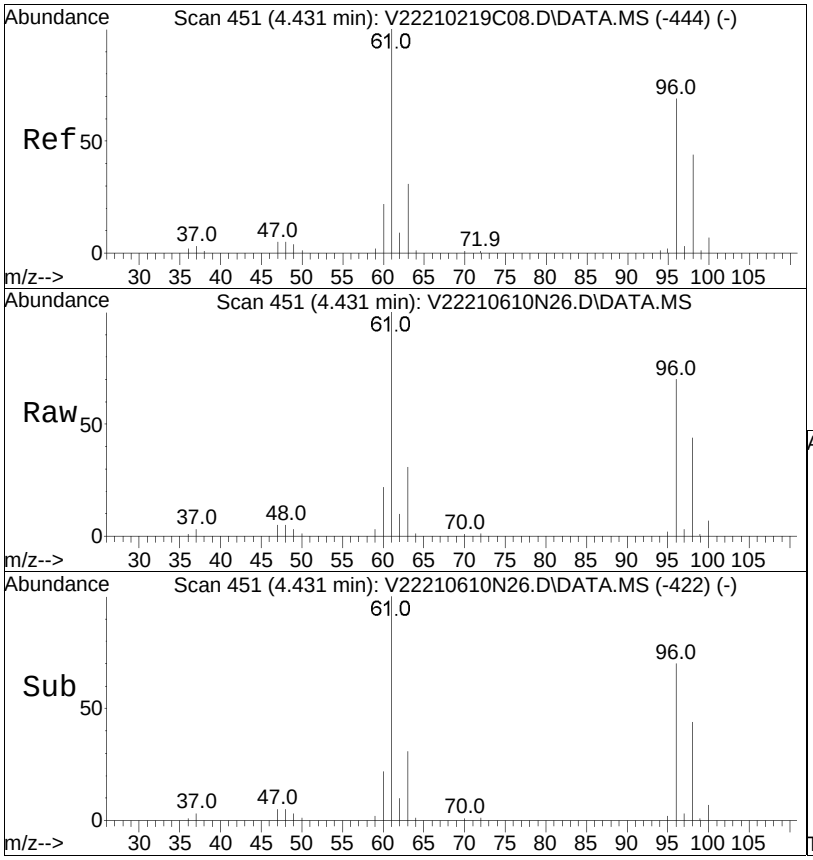


#29
Vinyl acetate
Concen: 11.16 ug/L
RT: 4.160 min Scan# 412
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 43 Resp: 111837

Ion	Ratio	Lower	Upper
43	100		
86	7.5	8.9	13.3#

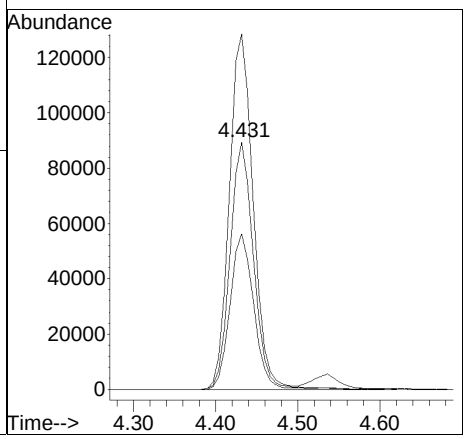


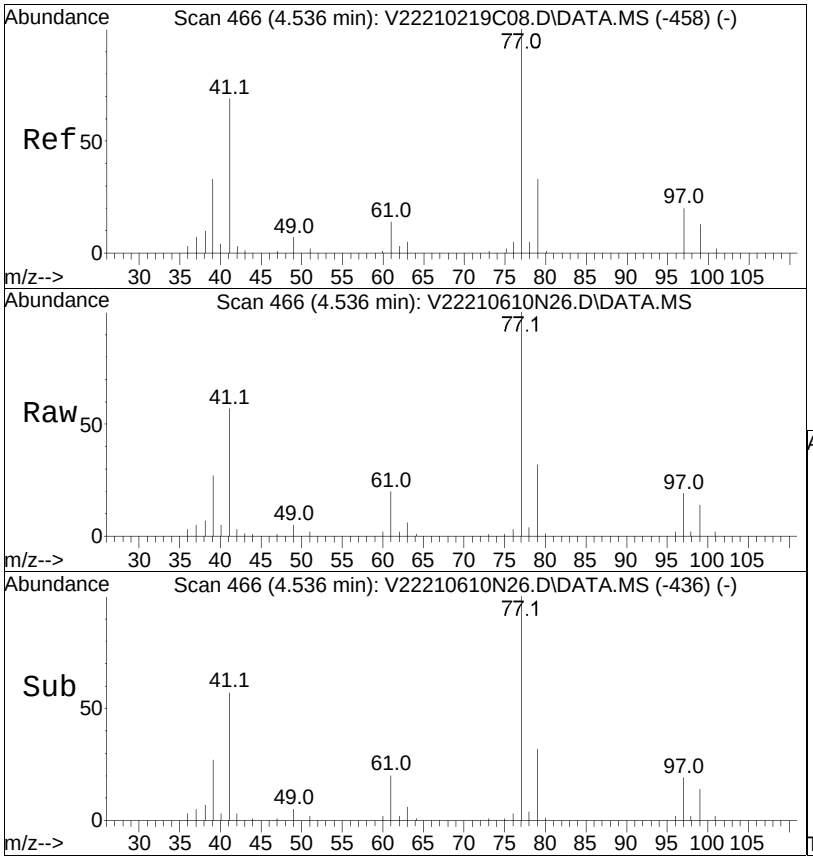


#30
cis-1,2-Dichloroethene
Concen: 30.42 ug/L
RT: 4.431 min Scan# 451
Delta R.T. -0.001 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 96 Resp: 178166

Ion	Ratio	Lower	Upper
96	100		
61	144.3	90.3	135.5#
98	63.2	50.8	76.2

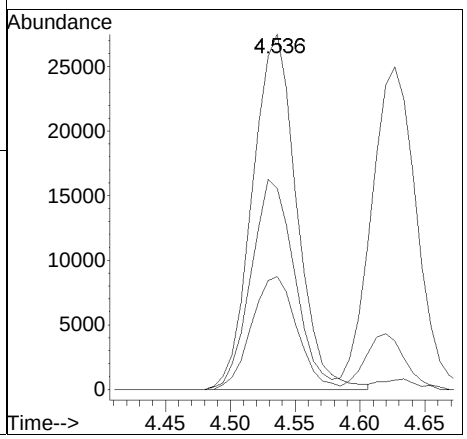


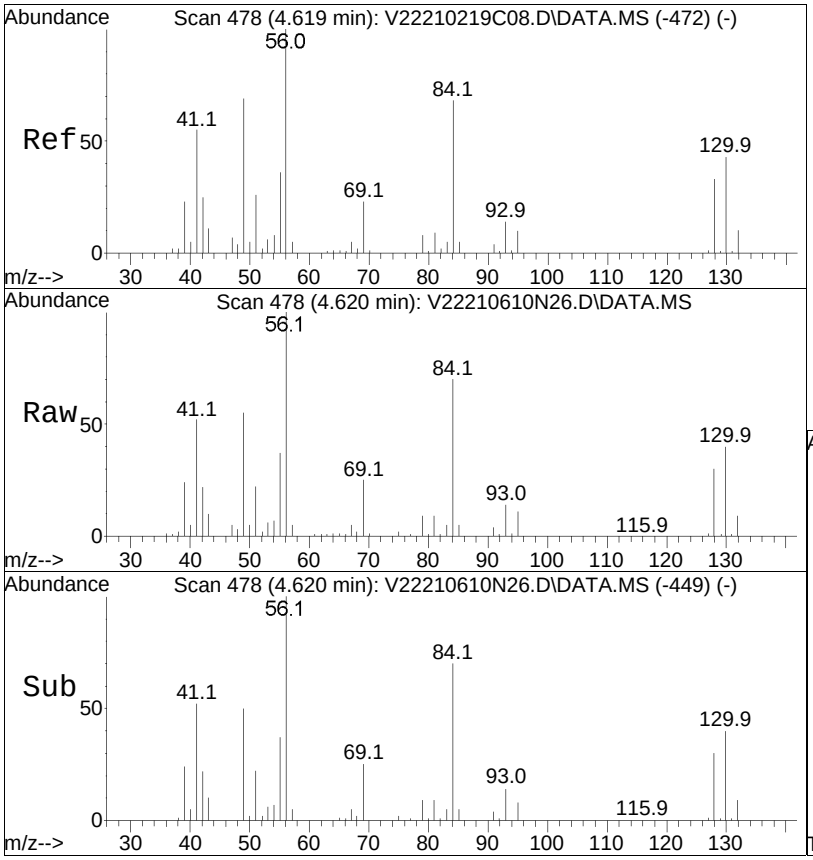


#31
2,2-Dichloropropane
Concen: 8.31 ug/L
RT: 4.536 min Scan# 466
Delta R.T. 0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 77 Resp: 65155

Ion	Ratio	Lower	Upper
77	100		
41	58.1	32.3	67.1
79	32.7	21.1	43.7

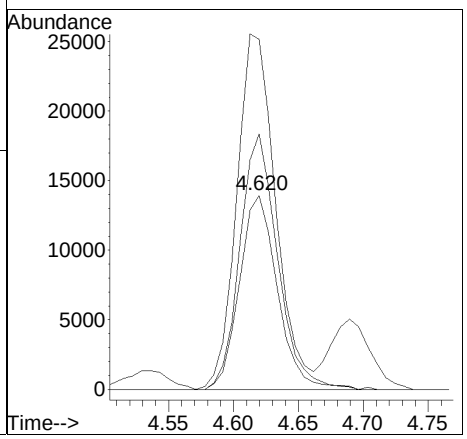


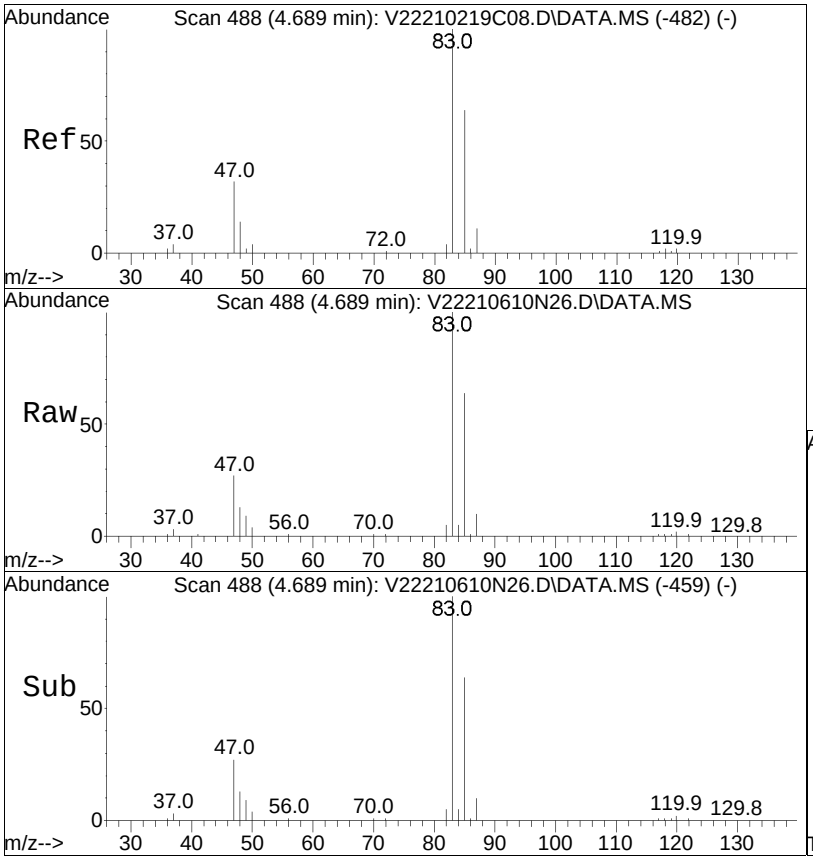


#32
Bromochloromethane
Concen: 11.94 ug/L
RT: 4.620 min Scan# 478
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:128 Resp: 28420

Ion	Ratio	Lower	Upper
128	100		
49	187.0	104.4	156.6#
130	130.9	103.9	155.9

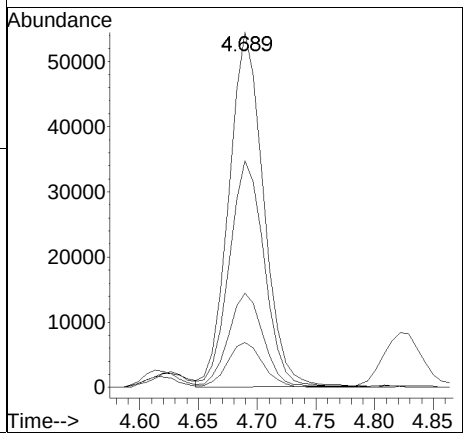


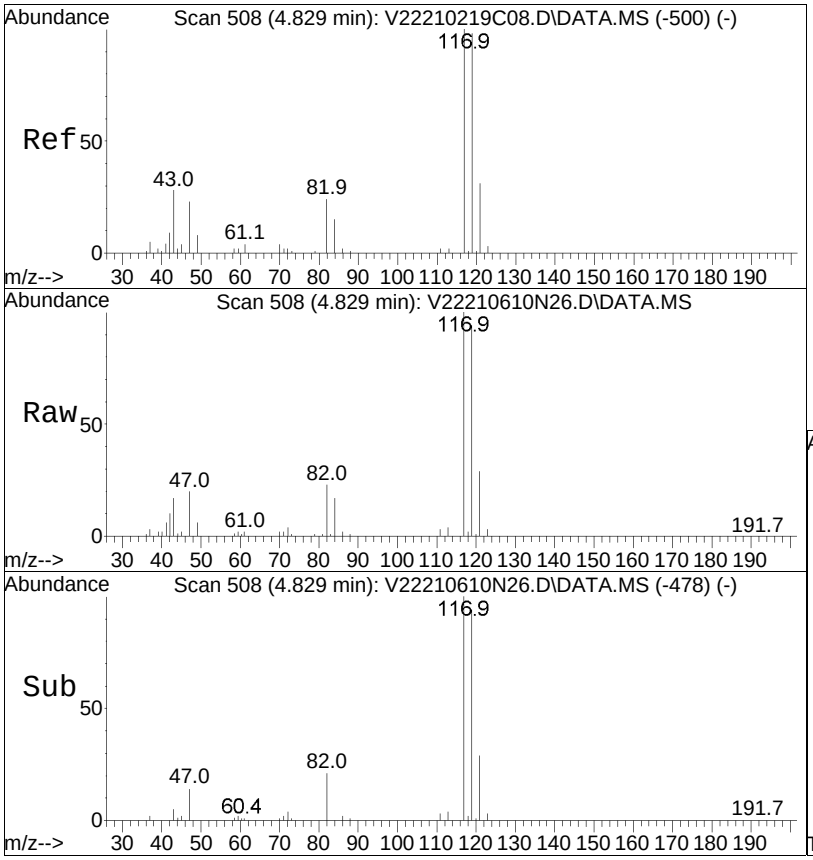


#34
Chloroform
Concen: 11.25 ug/L
RT: 4.689 min Scan# 488
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 83 Resp: 111915

Ion	Ratio	Lower	Upper
83	100		
85	65.5	42.4	88.2
47	27.0	14.0	29.0
48	13.0	6.9	14.3

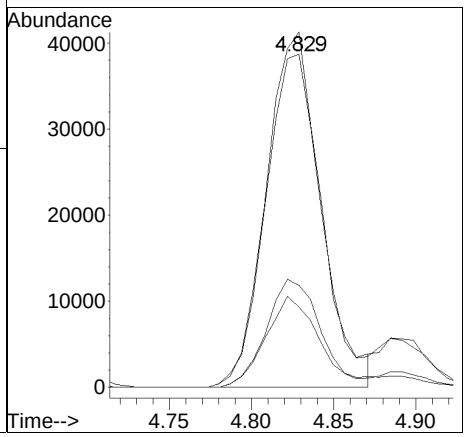


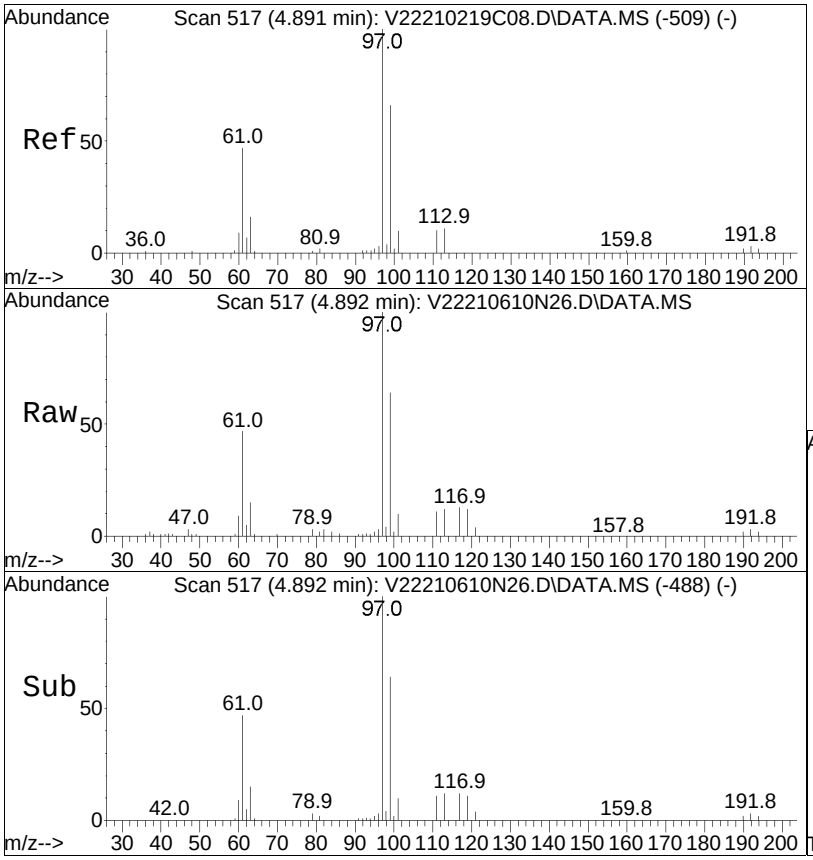


#36
Carbon tetrachloride
Concen: 13.23 ug/L
RT: 4.829 min Scan# 508
Delta R.T. 0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:117 Resp: 95376

Ion	Ratio	Lower	Upper
117	100		
119	94.7	62.1	129.1
121	29.8	20.3	42.3
82	25.8	15.4	32.0

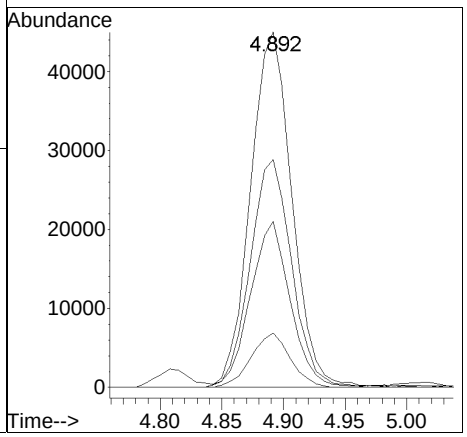


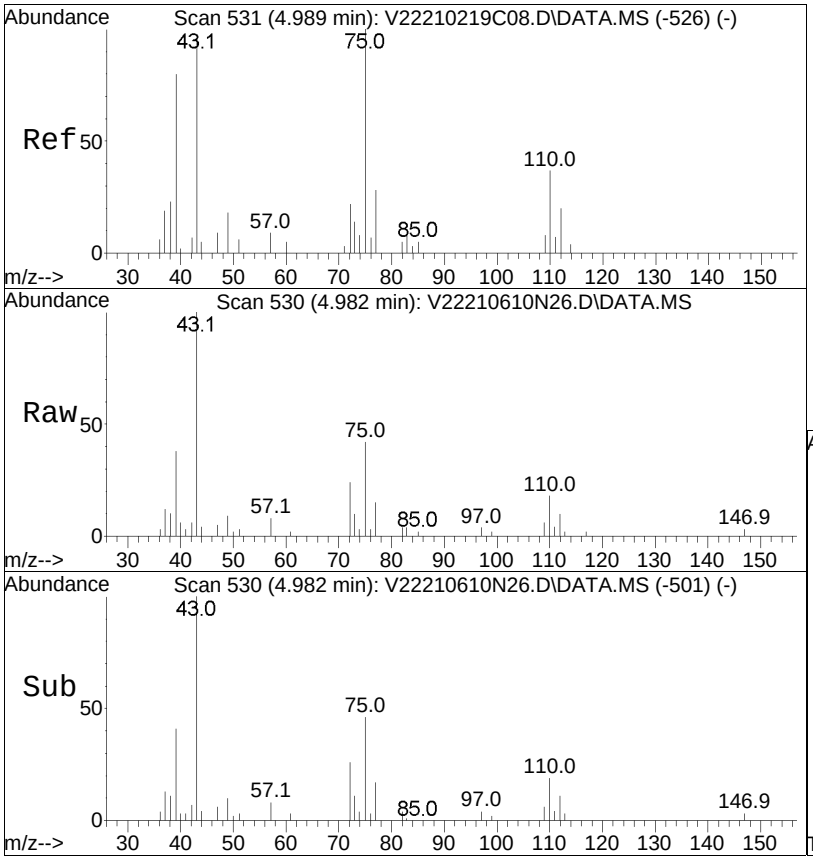


#39
1,1,1-Trichloroethane
Concen: 12.24 ug/L
RT: 4.892 min Scan# 517
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 97 Resp: 105255

Ion	Ratio	Lower	Upper
97	100		
99	64.5	42.4	88.0
61	44.9	26.0	54.0
63	14.5	8.3	17.3

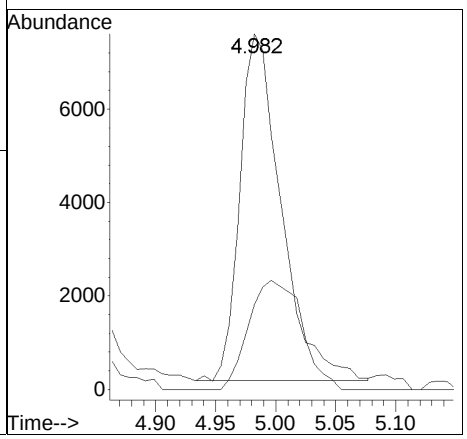


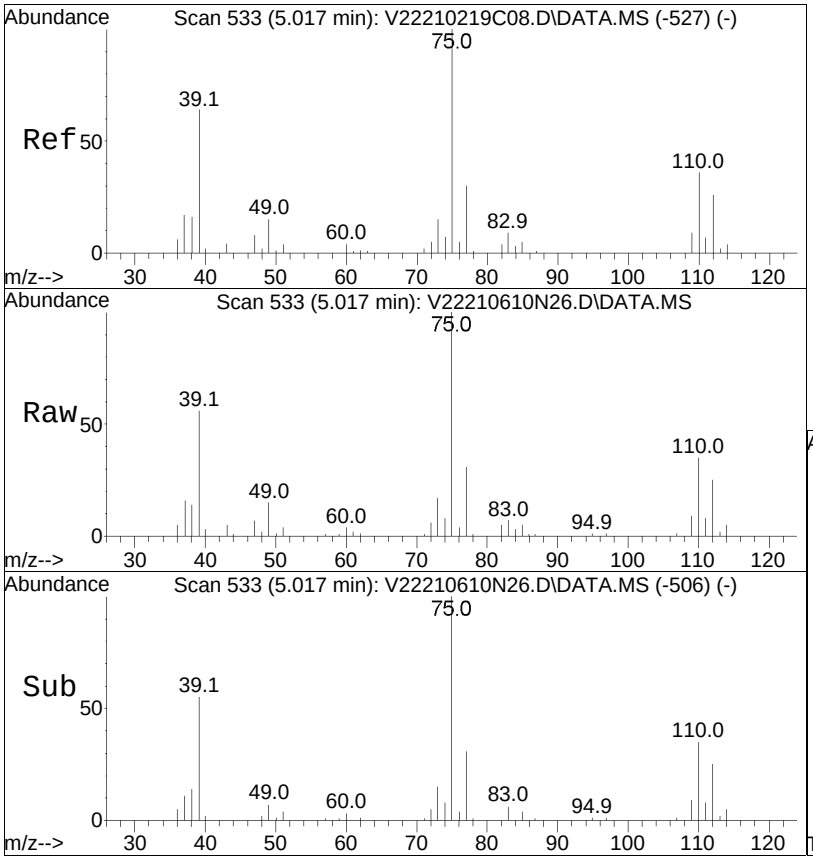


#41
2-Butanone
Concen: 9.79 ug/L
RT: 4.982 min Scan# 530
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 43 Resp: 16934

Ion	Ratio	Lower	Upper
43	100		
72	36.2	45.8	68.8#

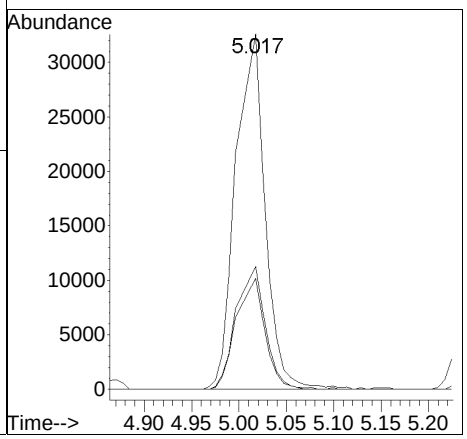


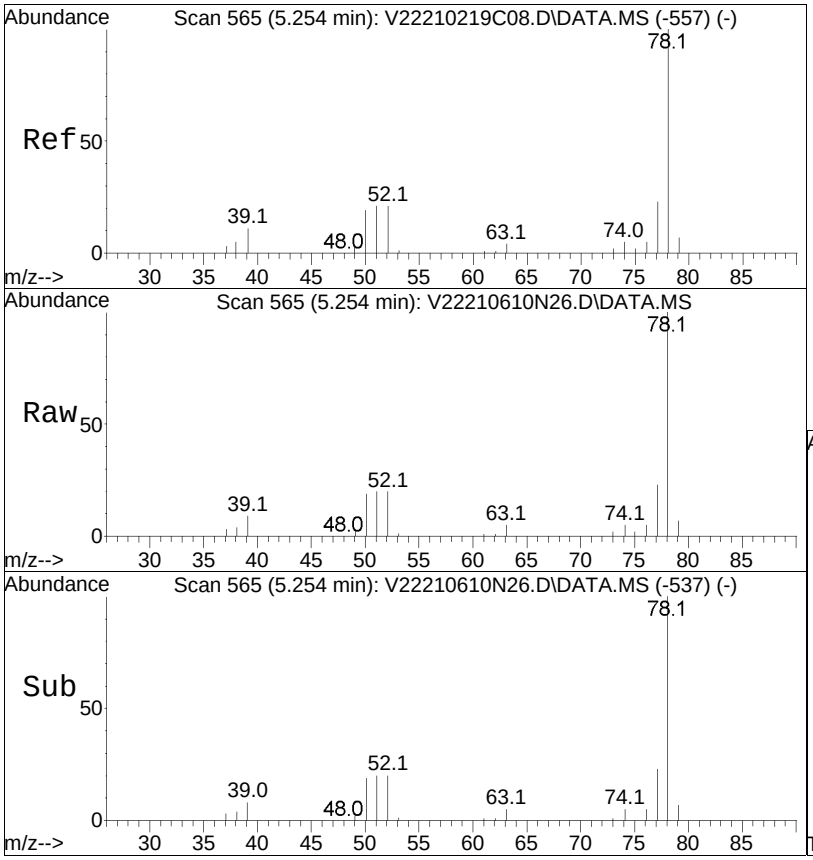


#42
1,1-Dichloropropene
Concen: 10.34 ug/L
RT: 5.017 min Scan# 533
Delta R.T. -0.001 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 75 Resp: 51902

Ion	Ratio	Lower	Upper
75	100		
110	35.5	25.4	52.8
77	31.8	20.3	42.1

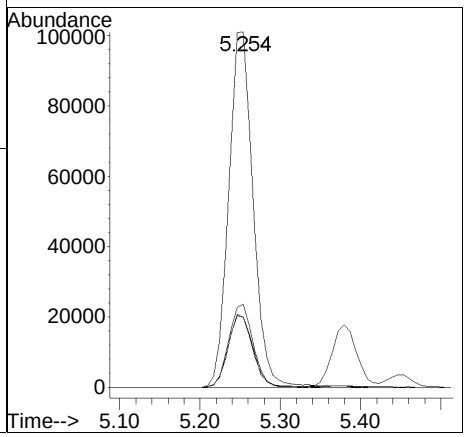


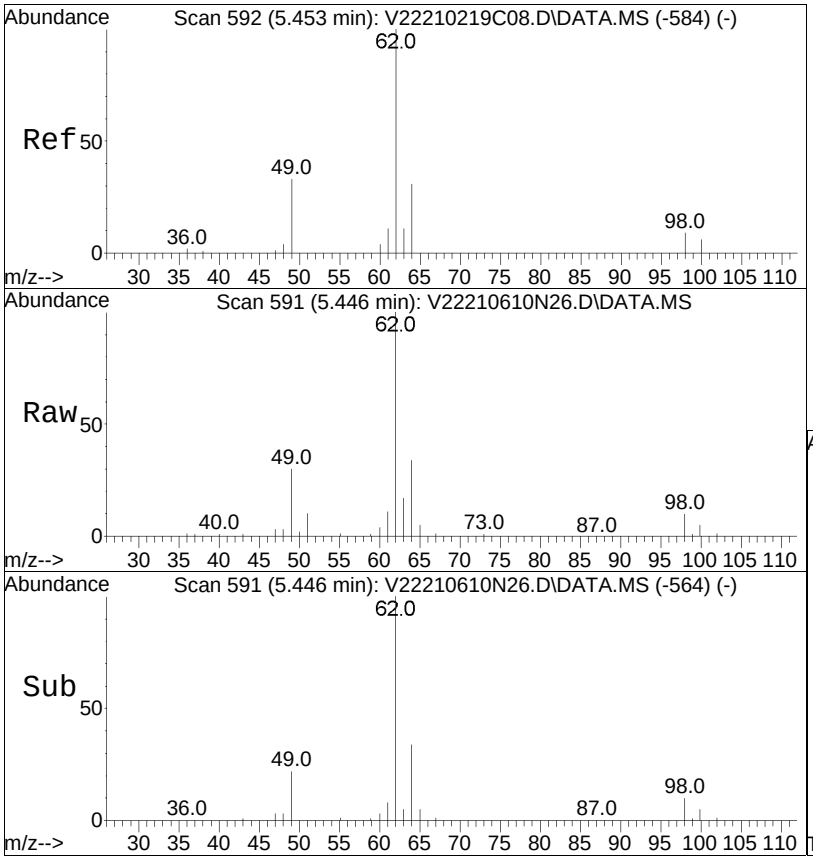


#44
Benzene
Concen: 10.34 ug/L
RT: 5.254 min Scan# 565
Delta R.T. 0.008 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 78 Resp: 215624

Ion	Ratio	Lower	Upper
78	100		
77	23.3	15.4	32.0
51	20.5	9.8	20.4#
52	20.5	9.2	19.2#

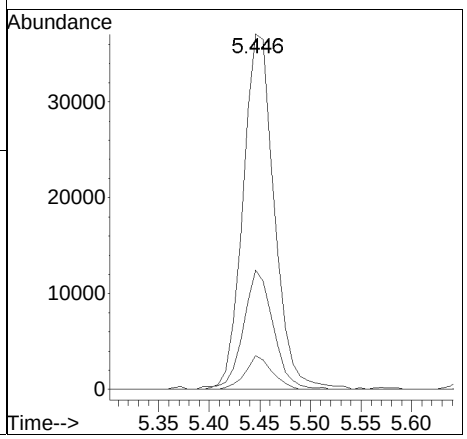


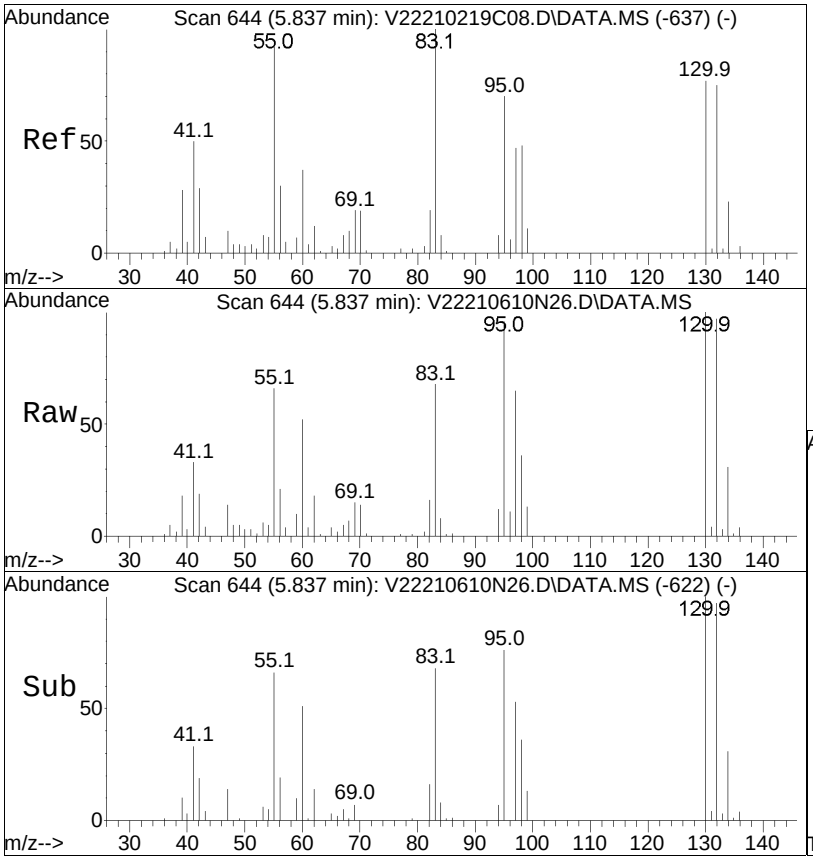


#47
1,2-Dichloroethane
Concen: 10.93 ug/L
RT: 5.446 min Scan# 591
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 62 Resp: 79877

Ion	Ratio	Lower	Upper
62	100		
64	32.2	12.3	52.3
98	8.2	0.0	30.3

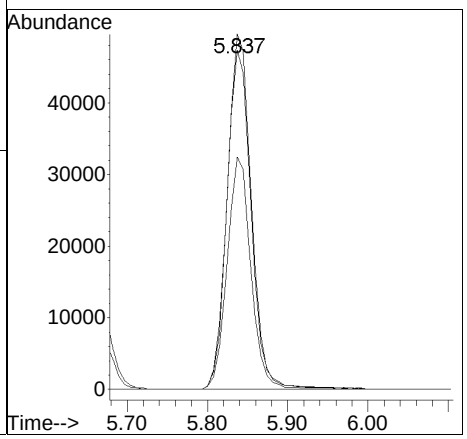


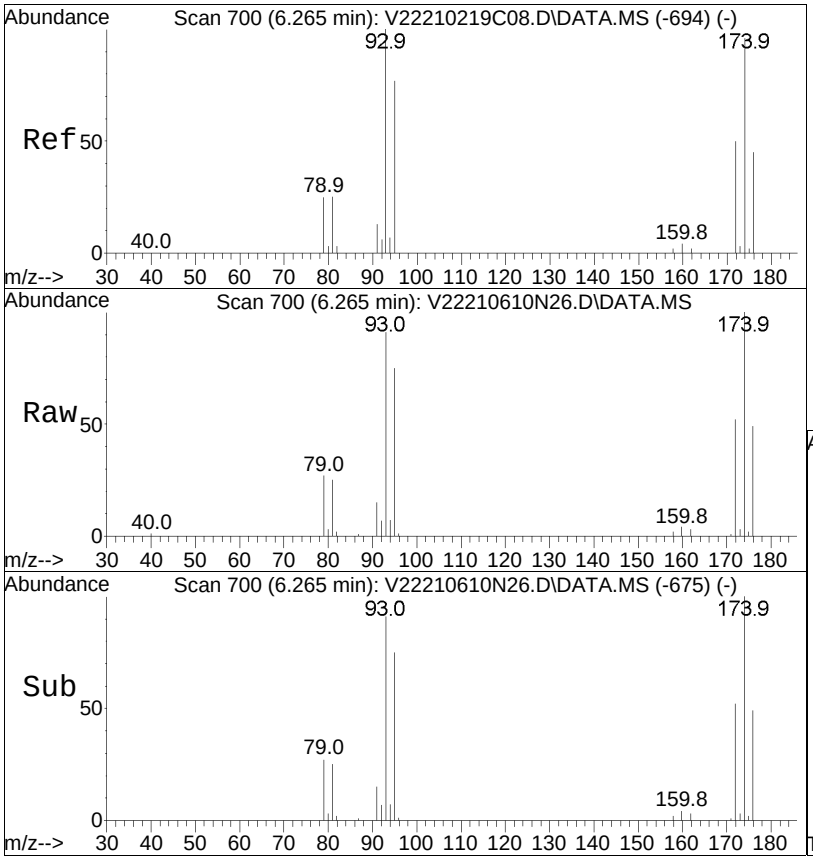


#51
Trichloroethene
Concen: 18.06 ug/L
RT: 5.837 min Scan# 644
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 95 Resp: 100153

Ion	Ratio	Lower	Upper
95	100		
97	67.2	55.0	82.4
130	103.8	89.2	133.8

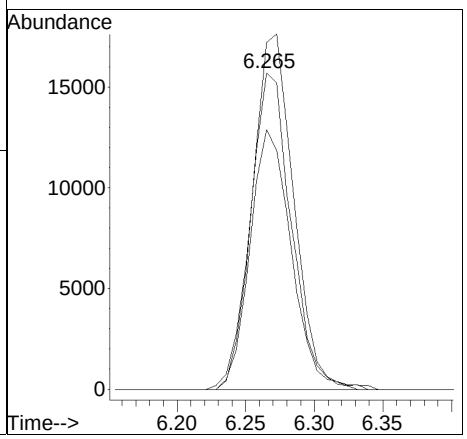


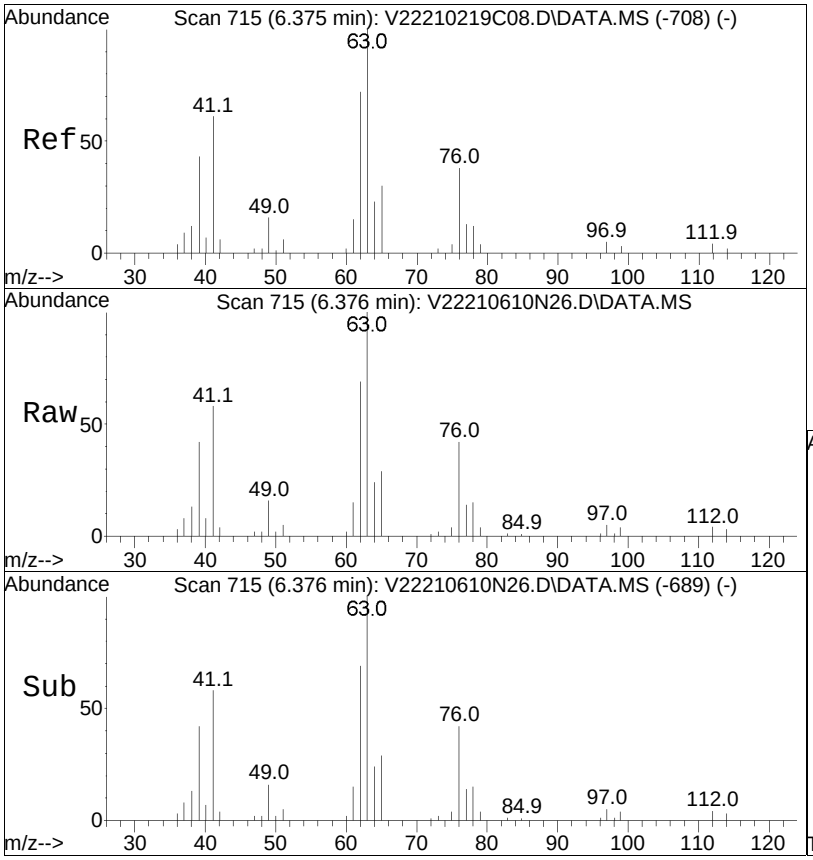


#53
Dibromomethane
Concen: 10.44 ug/L
RT: 6.265 min Scan# 700
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 93 Resp: 32582

Ion	Ratio	Lower	Upper
93	100		
95	83.3	68.0	102.0
174	113.1	106.1	159.1

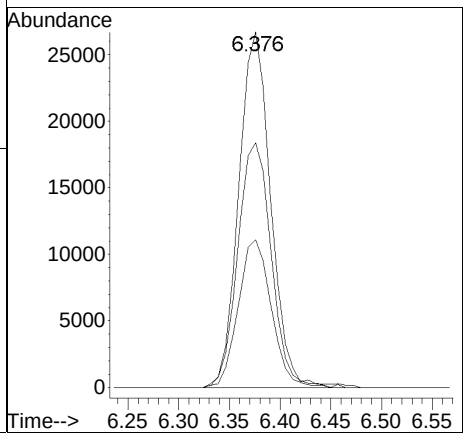


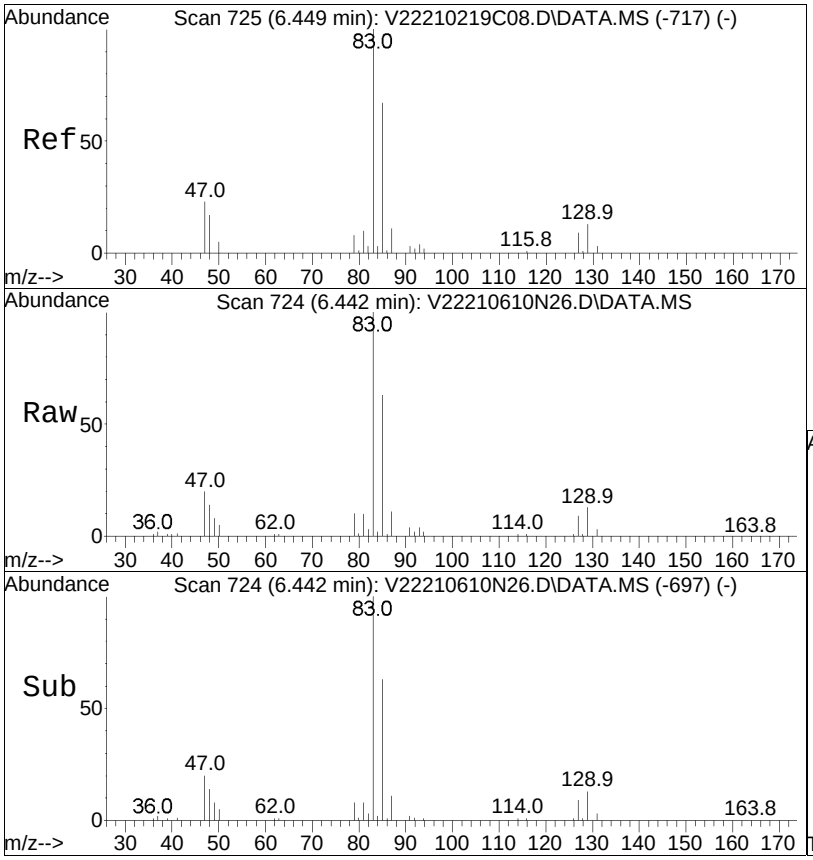


#54
1,2-Dichloropropane
Concen: 9.95 ug/L
RT: 6.376 min Scan# 715
Delta R.T. 0.008 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 63 Resp: 58632

Ion	Ratio	Lower	Upper
63	100		
62	71.9	56.9	85.3
76	42.9	35.8	53.8

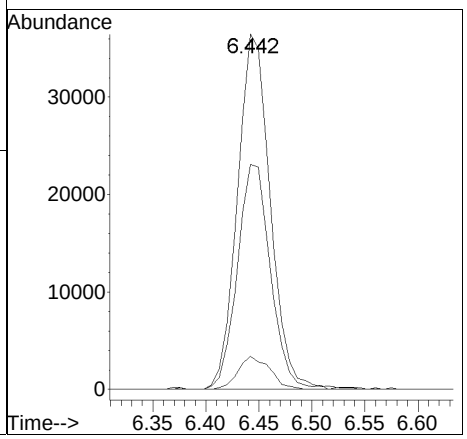


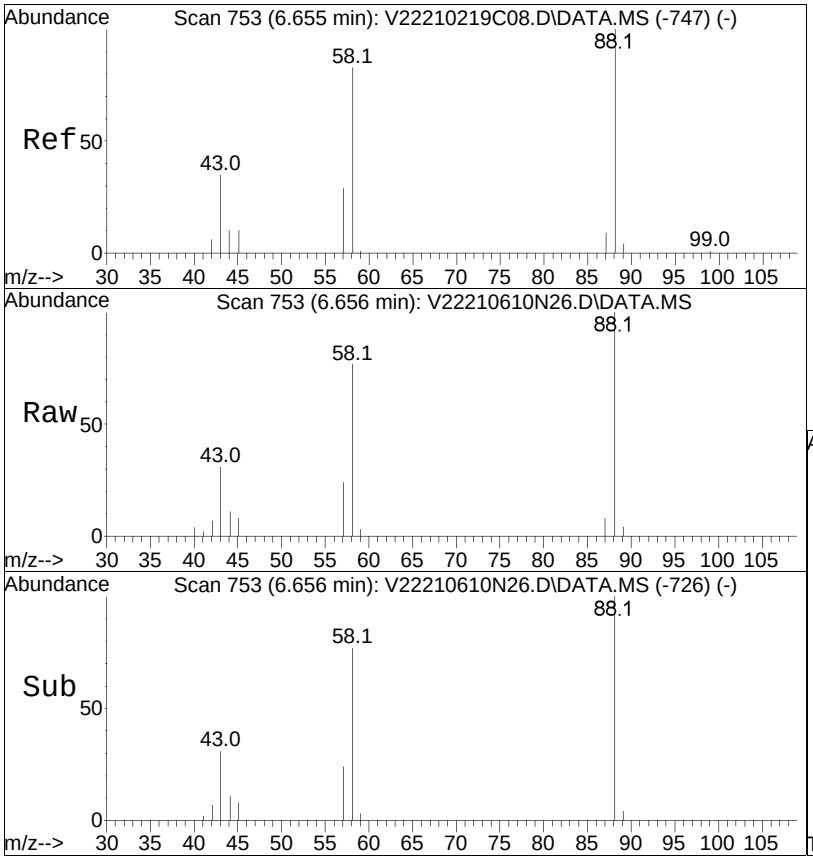


#57
Bromodichloromethane
Concen: 10.81 ug/L
RT: 6.442 min Scan# 724
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 83 Resp: 78877

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.6	77.4
127	9.1	7.4	11.0

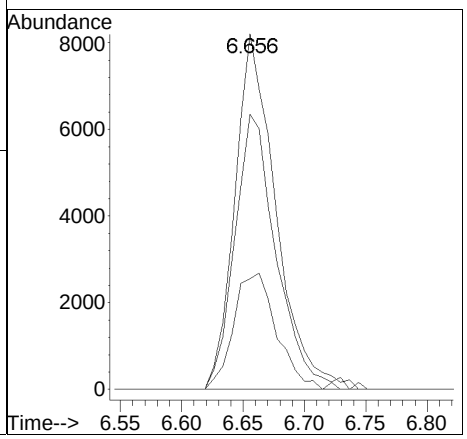


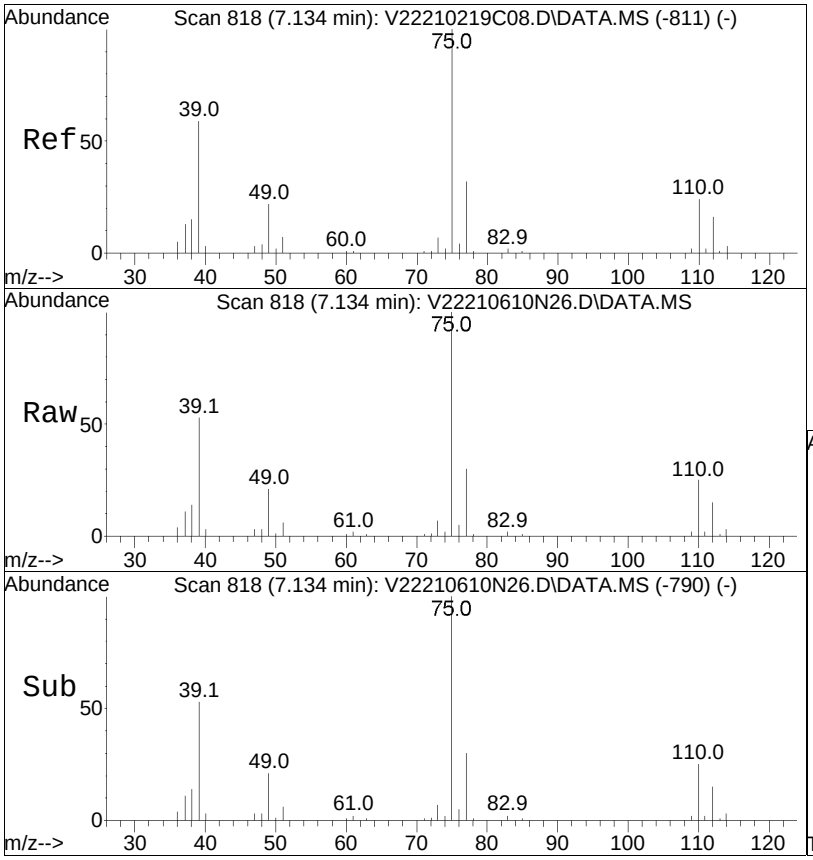


#60
1,4-Dioxane
Concen: 546.19 ug/L
RT: 6.656 min Scan# 753
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 88 Resp: 19052

Ion	Ratio	Lower	Upper
88	100		
58	78.6	43.3	64.9#
43	34.6	15.1	22.7#

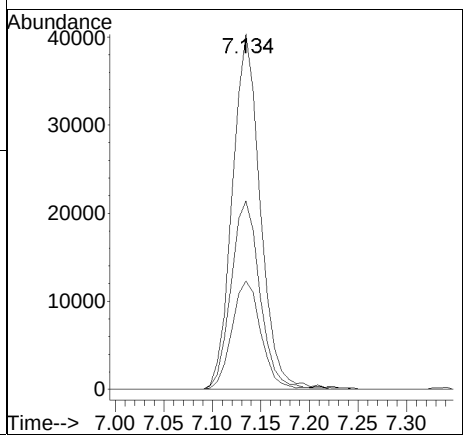


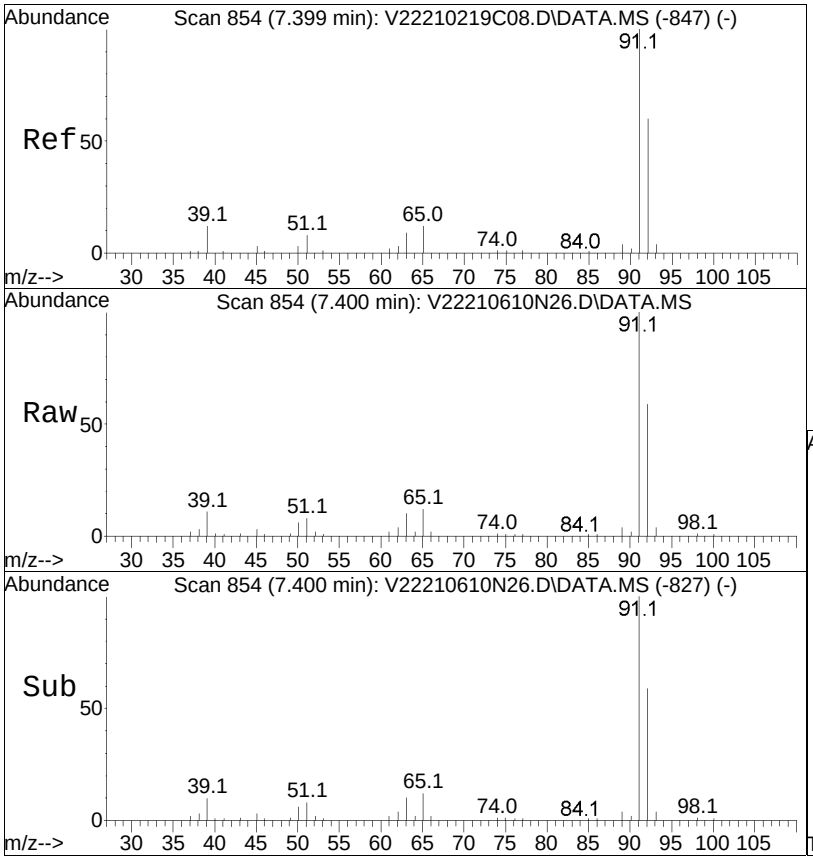


#61
cis-1,3-Dichloropropene
Concen: 9.86 ug/L
RT: 7.134 min Scan# 818
Delta R.T. 0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 75 Resp: 81268

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4
39	54.4	35.4	53.0#

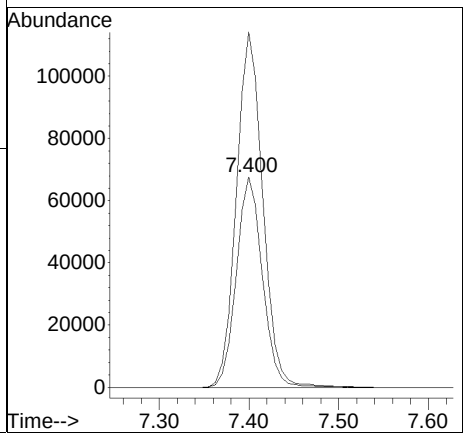


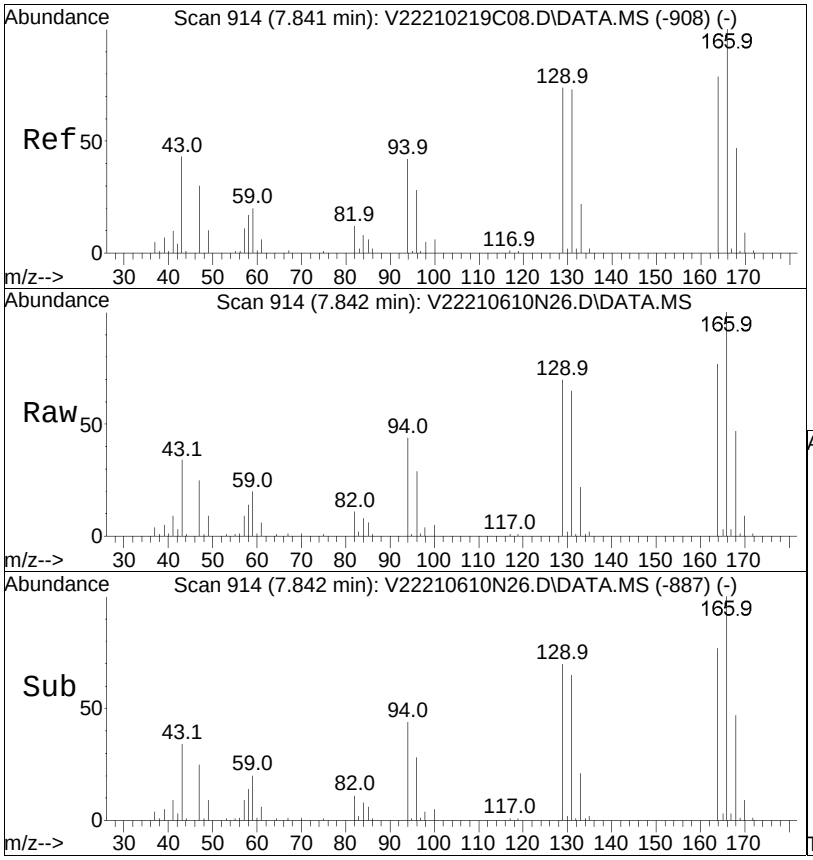


#64
Toluene
Concen: 10.15 ug/L
RT: 7.400 min Scan# 854
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 92 Resp: 136463

Ion	Ratio	Lower	Upper
92	100		
91	170.7	137.0	205.6

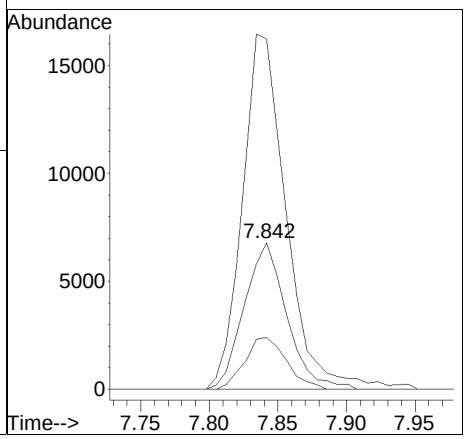


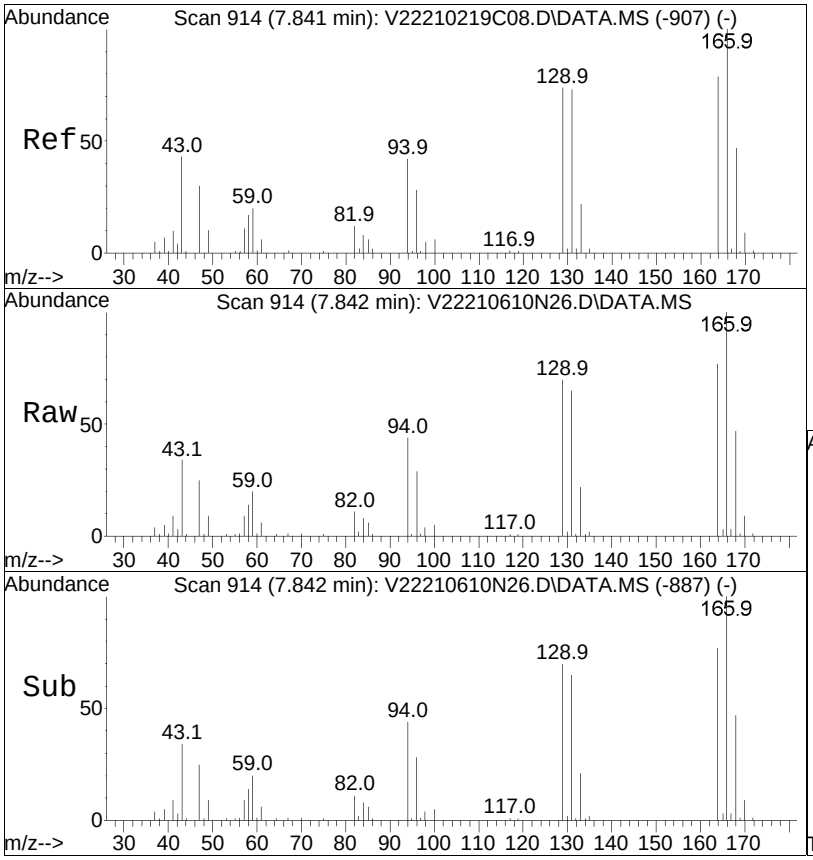


#65
4-Methyl-2-pentanone
Concen: 10.98 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 58 Resp: 14689

Ion	Ratio	Lower	Upper
58	100		
100	34.9	36.2	54.4#
43	249.3	181.8	272.8

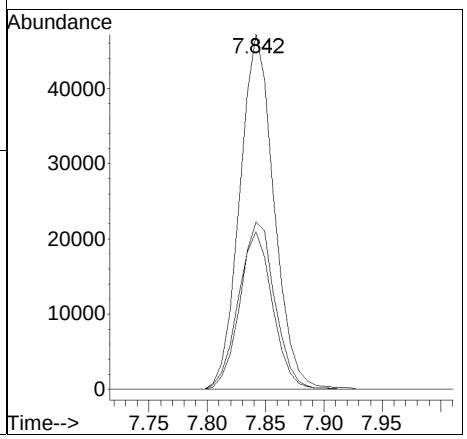


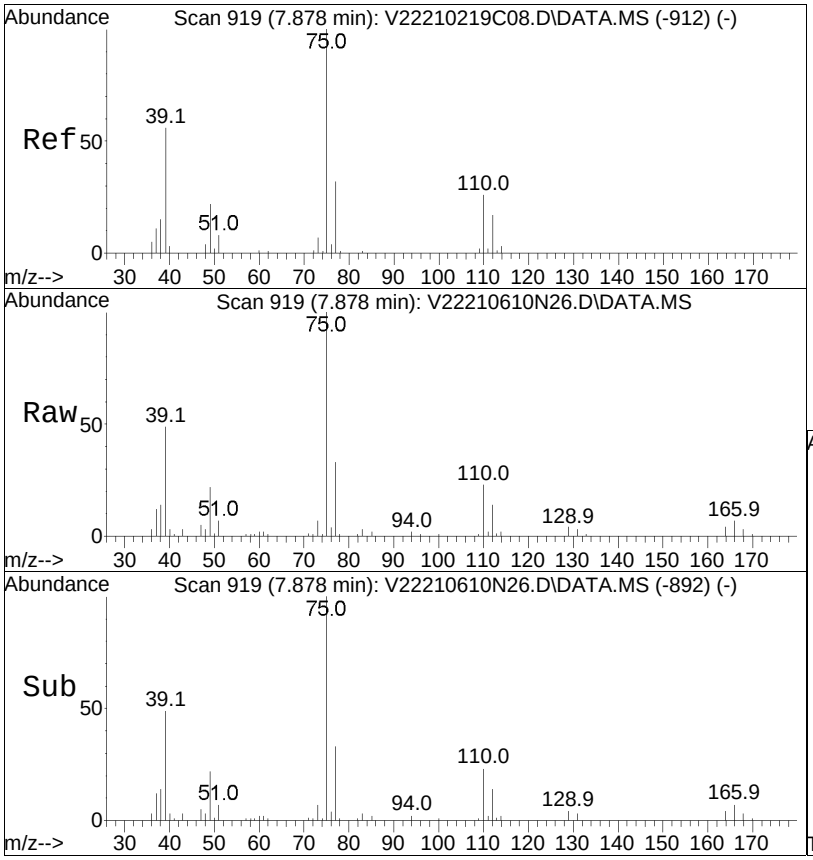


#66
Tetrachloroethene
Concen: 17.73 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:166 Resp: 96429

Ion	Ratio	Lower	Upper
166	100		
168	47.6	27.8	67.8
94	44.9	16.7	56.7

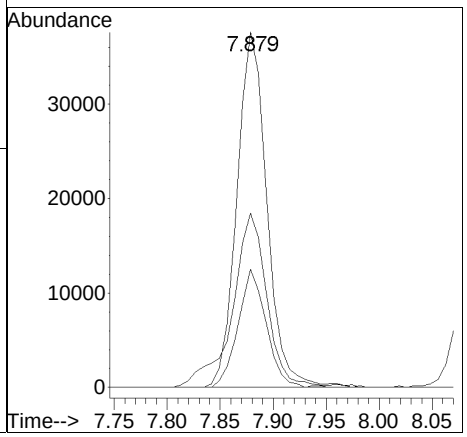


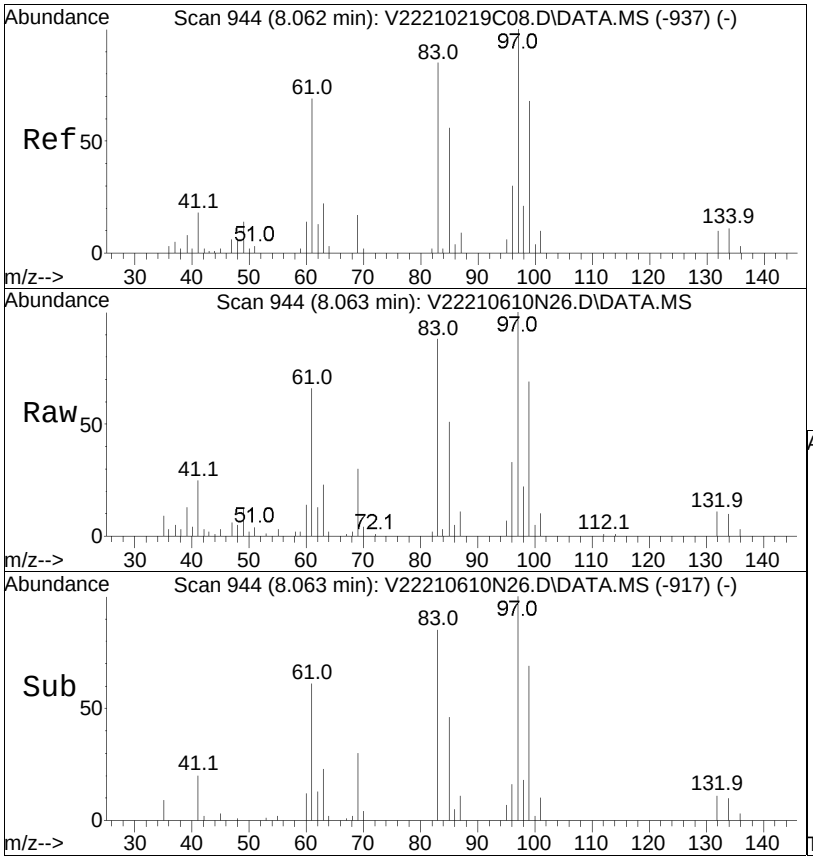


#68
trans-1,3-Dichloropropene
Concen: 9.18 ug/L
RT: 7.878 min Scan# 919
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 75 Resp: 74125

Ion	Ratio	Lower	Upper
75	100		
77	31.2	11.9	51.9
39	56.9	27.4	67.4

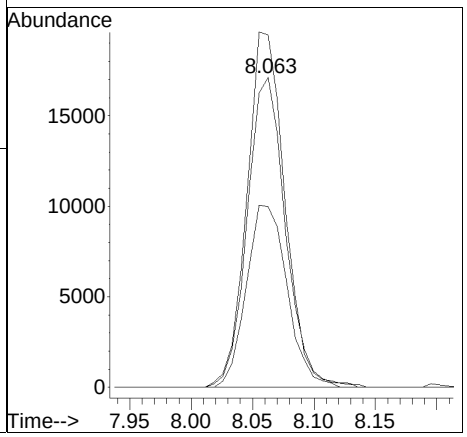


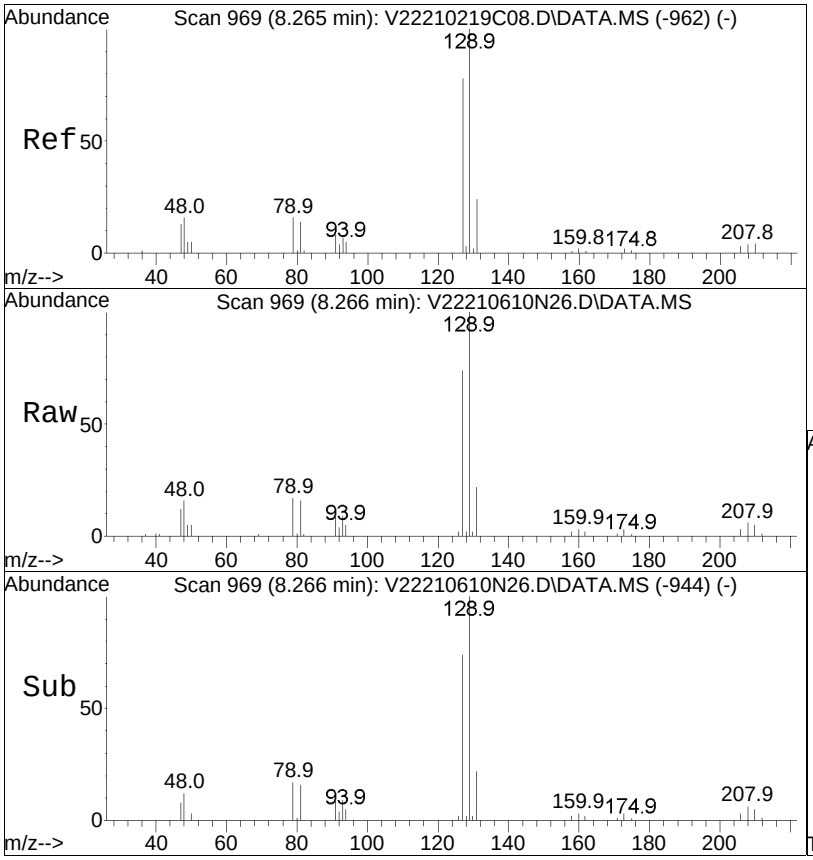


#71
1,1,2-Trichloroethane
Concen: 10.56 ug/L
RT: 8.063 min Scan# 944
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 83 Resp: 37164

Ion	Ratio	Lower	Upper
83	100		
97	114.2	103.4	143.4
85	62.6	47.9	87.9

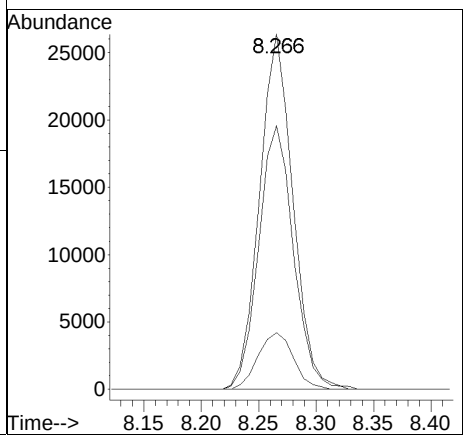


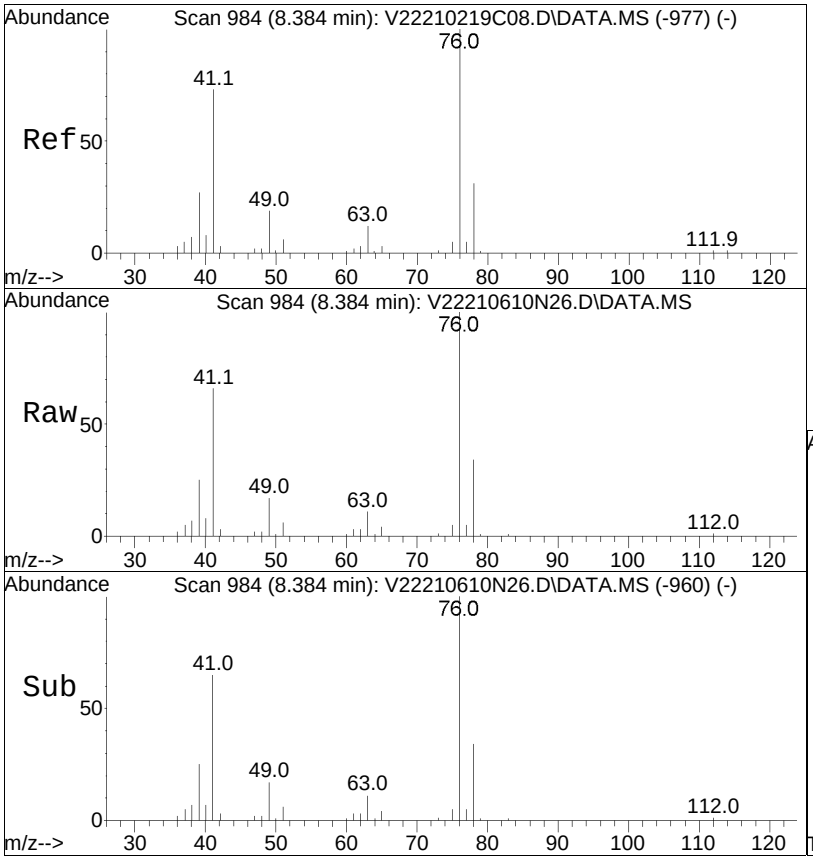


#72
Chlorodibromomethane
Concen: 11.78 ug/L
RT: 8.266 min Scan# 969
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:129 Resp: 59263

Ion	Ratio	Lower	Upper
129	100		
81	15.3	0.0	33.8
127	77.4	57.1	97.1

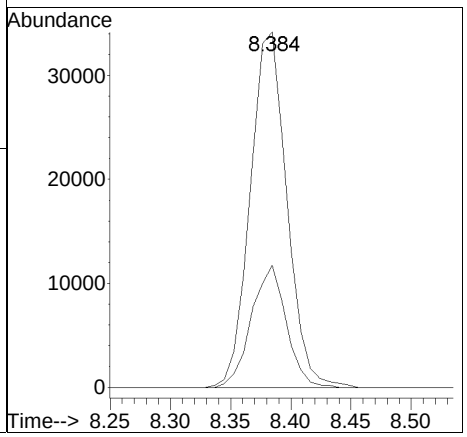


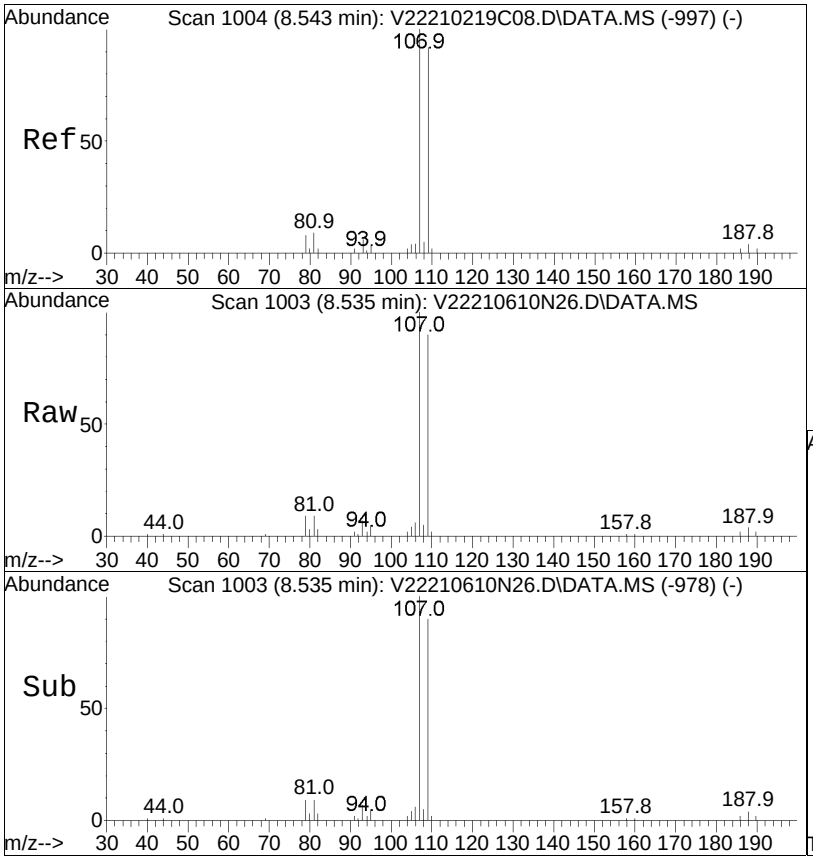


#73
1,3-Dichloropropane
Concen: 9.70 ug/L
RT: 8.384 min Scan# 984
Delta R.T. 0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 76 Resp: 72233

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.7	38.5

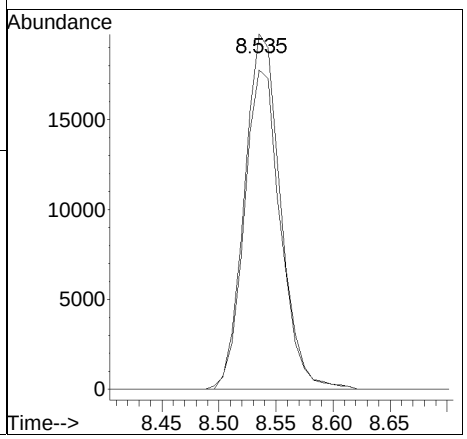


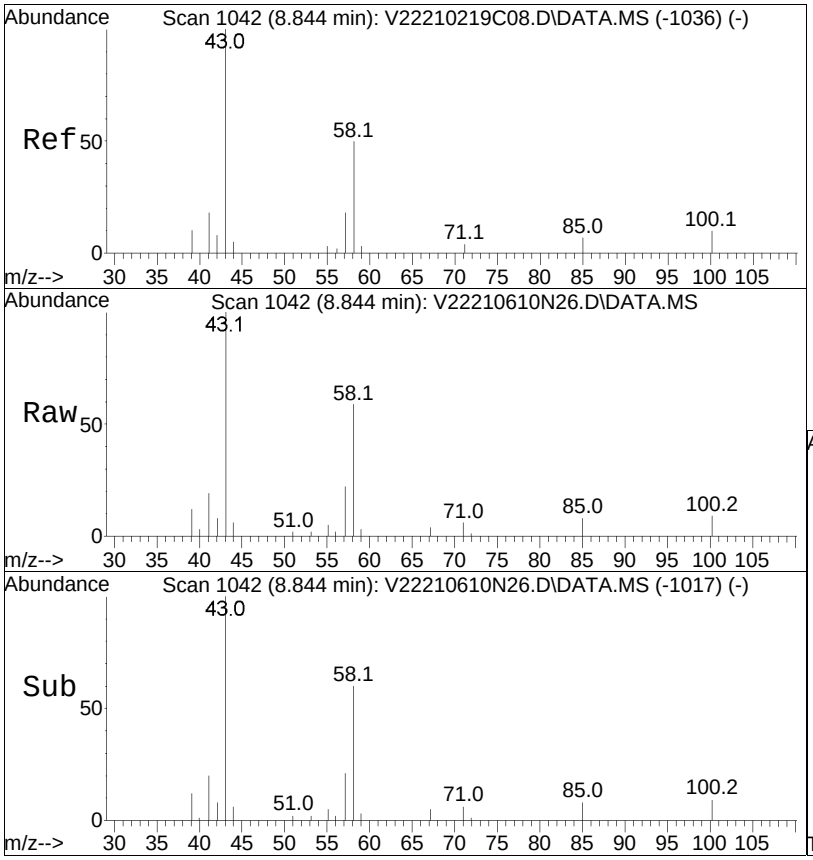


#74
1,2-Dibromoethane
Concen: 11.25 ug/L
RT: 8.535 min Scan# 1003
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:107 Resp: 43622

Ion	Ratio	Lower	Upper
107	100		
109	90.0	75.1	112.7

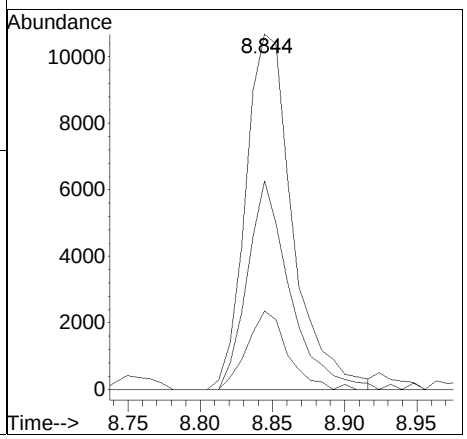


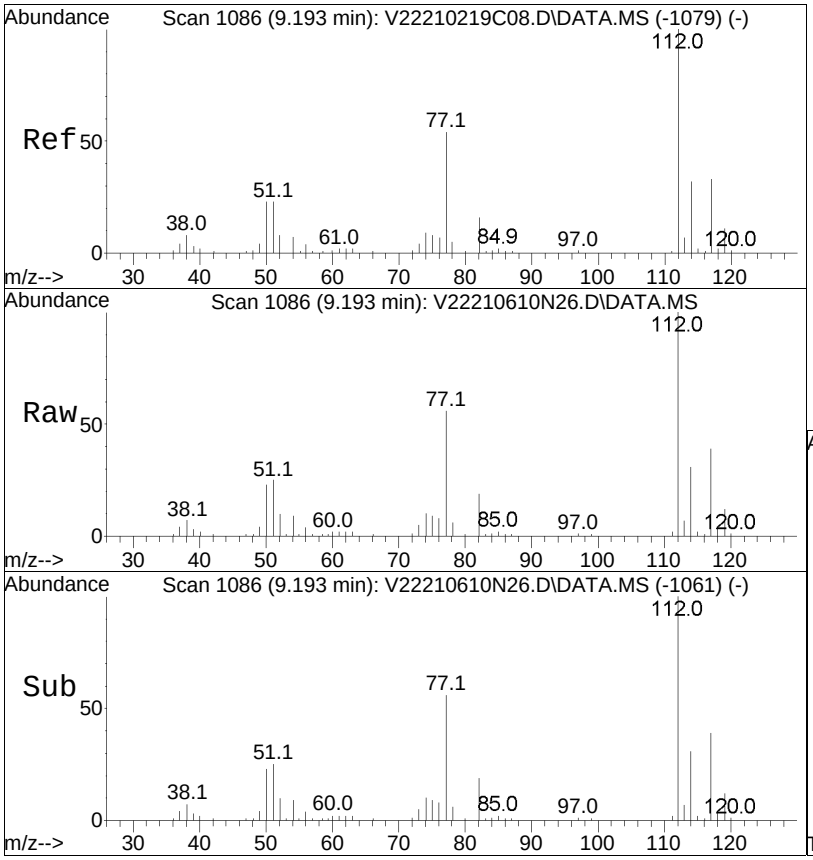


#76
2-Hexanone
Concen: 10.25 ug/L
RT: 8.844 min Scan# 1042
Delta R.T. -0.001 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 43 Resp: 24159

Ion	Ratio	Lower	Upper
43	100		
58	53.1	47.6	71.4
57	19.1	16.6	24.8

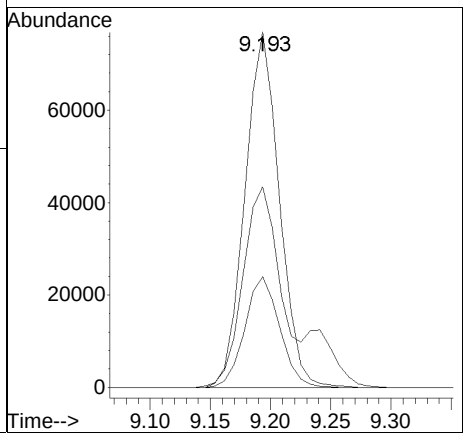


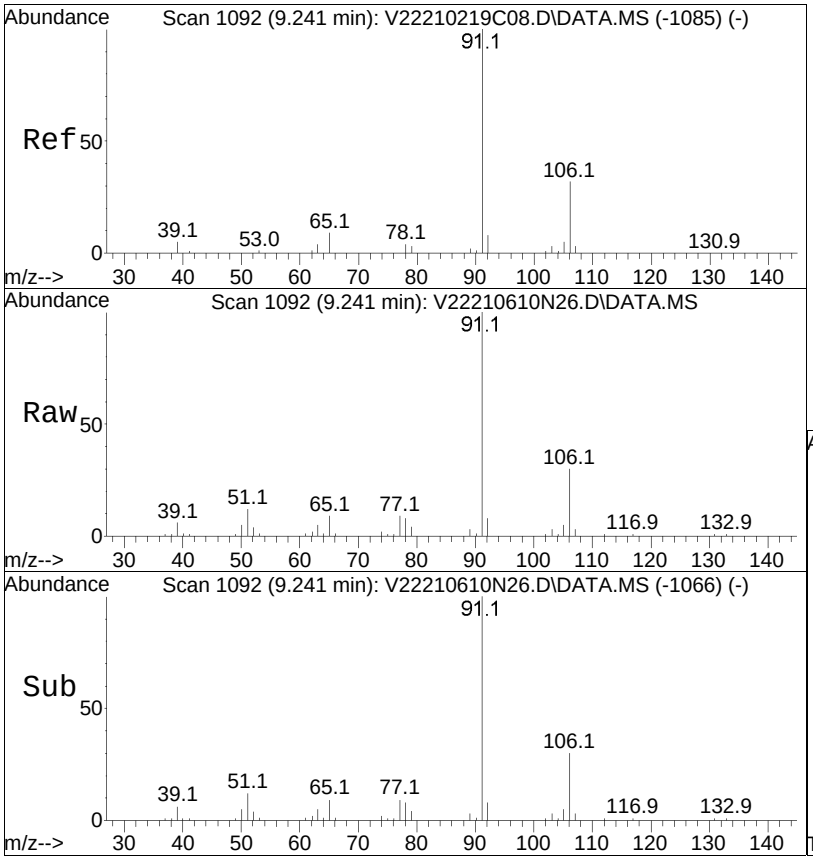


#77
Chlorobenzene
Concen: 10.16 ug/L
RT: 9.193 min Scan# 1086
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:112 Resp: 152931

Ion	Ratio	Lower	Upper
112	100		
77	61.8	55.4	83.0
114	31.5	26.2	39.4

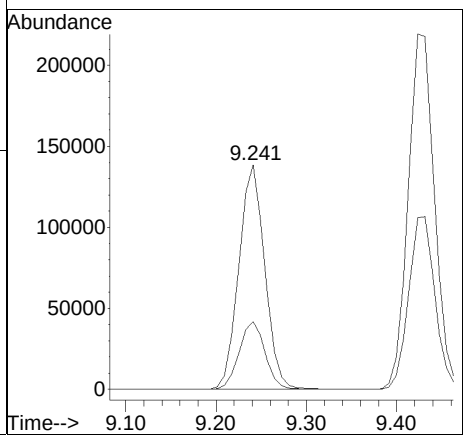


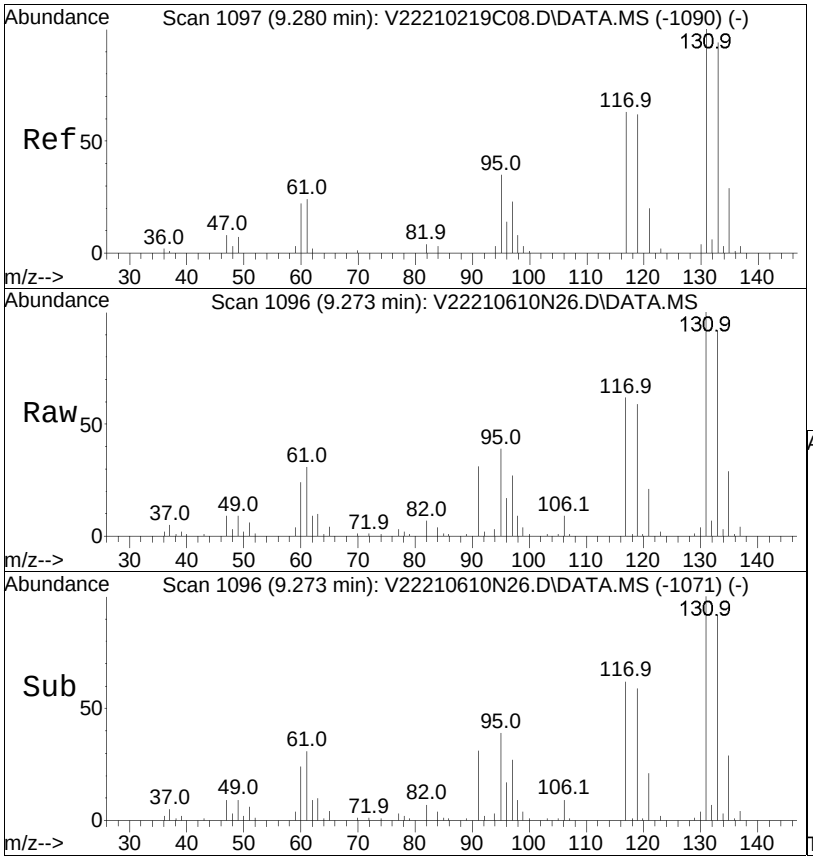


#78
Ethylbenzene
Concen: 10.48 ug/L
RT: 9.241 min Scan# 1092
Delta R.T. 0.008 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 91 Resp: 276503

Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.8	38.6

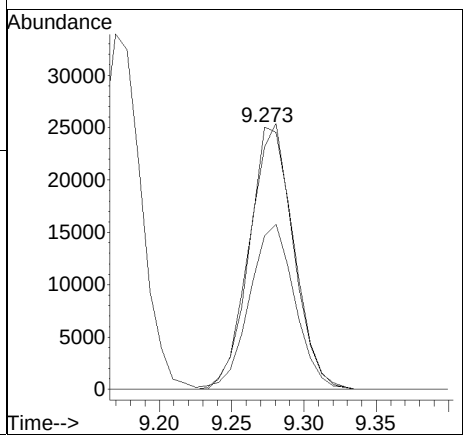


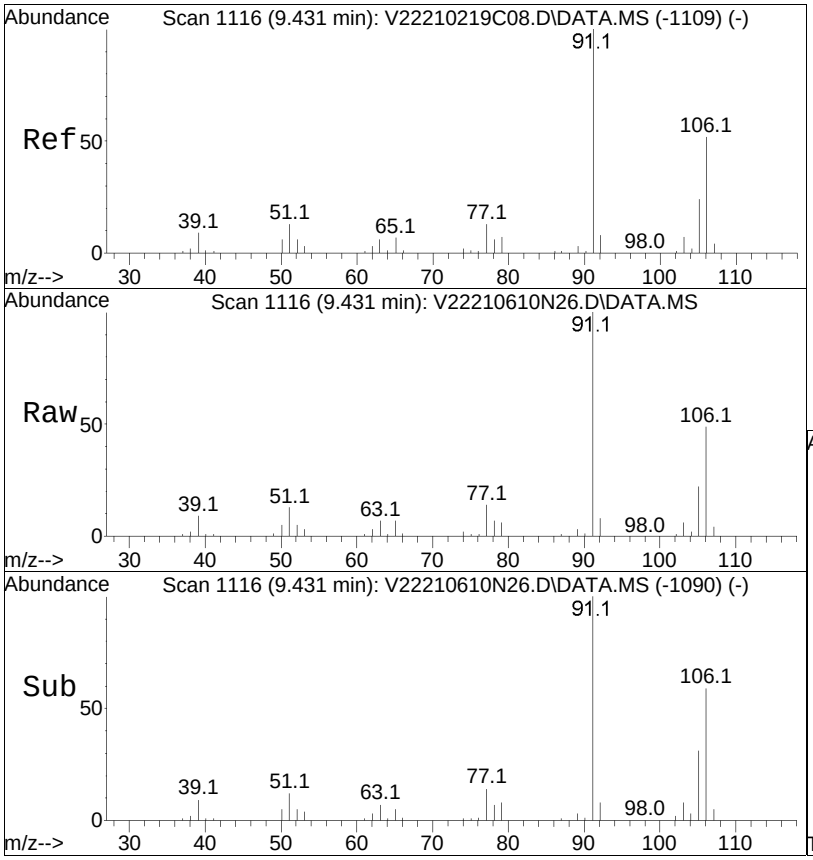


#79
1,1,1,2-Tetrachloroethane
Concen: 11.03 ug/L
RT: 9.273 min Scan# 1096
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:131 Resp: 54562

Ion	Ratio	Lower	Upper
131	100		
133	97.5	75.3	115.3
119	63.1	49.3	89.3

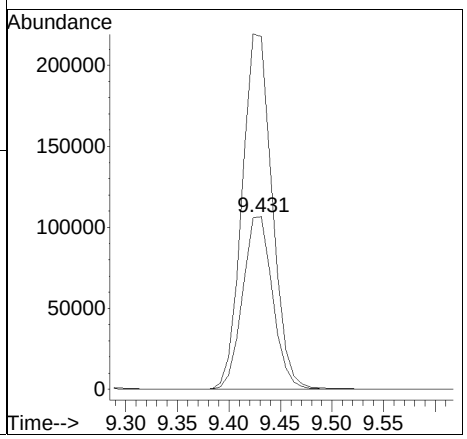


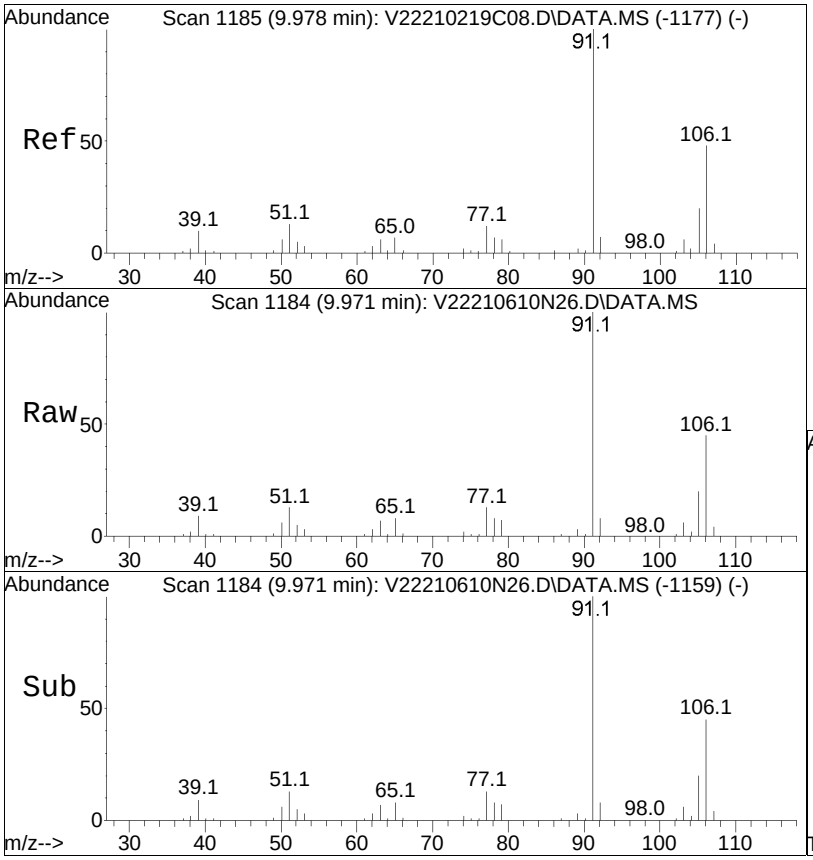


#80
p/m Xylene
Concen: 20.95 ug/L
RT: 9.431 min Scan# 1116
Delta R.T. 0.008 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:106 Resp: 216045

Ion	Ratio	Lower	Upper
106	100		
91	206.2	156.0	234.0

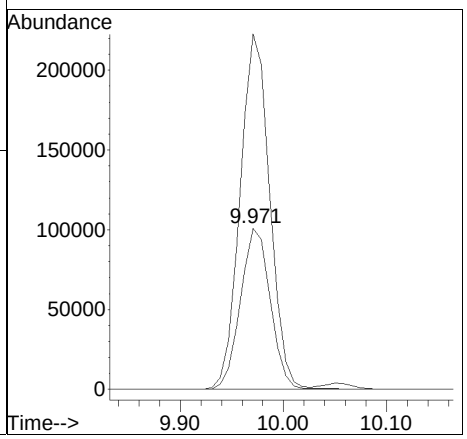


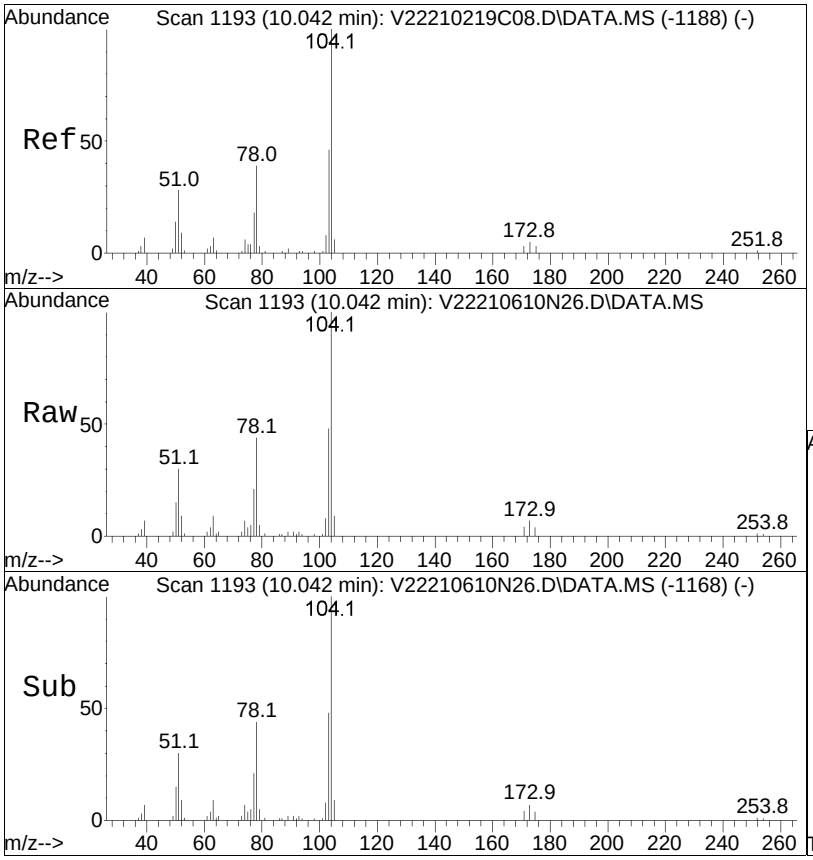


#81
o Xylene
Concen: 20.87 ug/L
RT: 9.971 min Scan# 1184
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:106 Resp: 203235

Ion	Ratio	Lower	Upper
106	100		
91	218.4	164.0	246.0

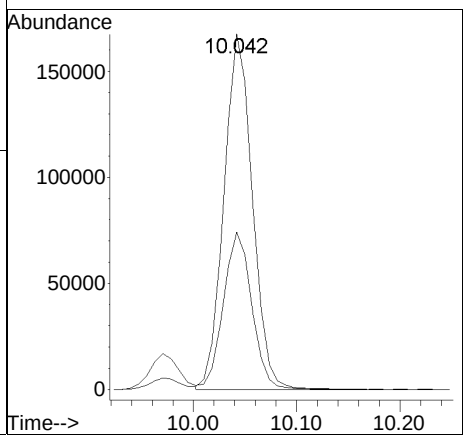


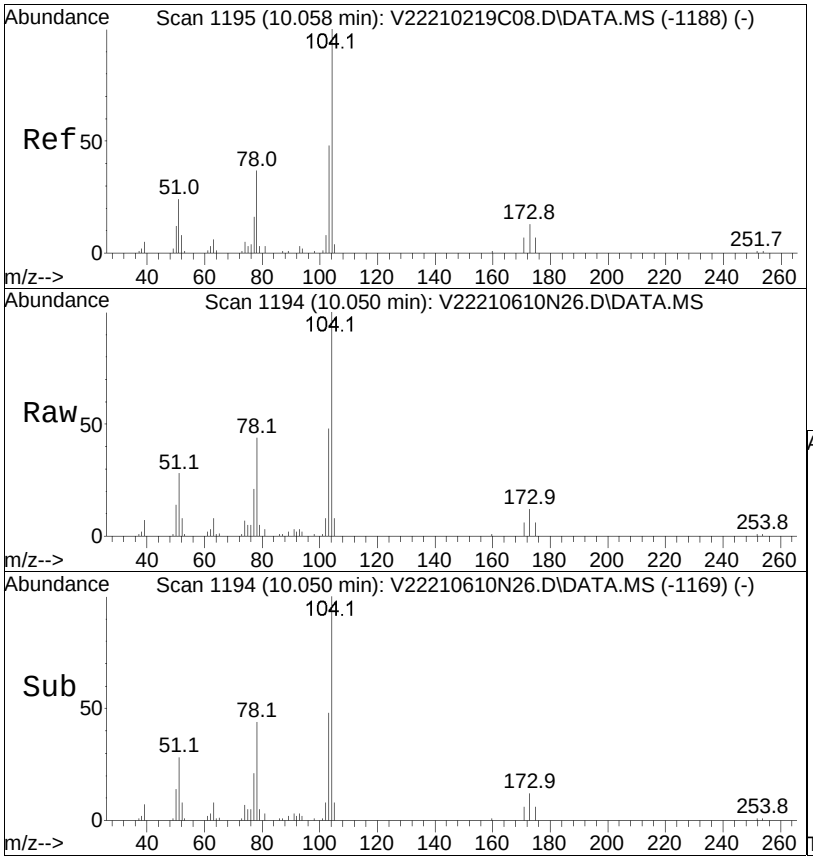


#82
Styrene
Concen: 20.46 ug/L
RT: 10.042 min Scan# 1193
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:104 Resp: 321608

Ion	Ratio	Lower	Upper
104	100		
78	44.2	32.1	48.1

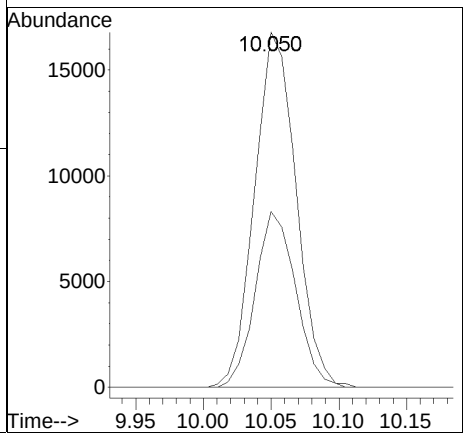


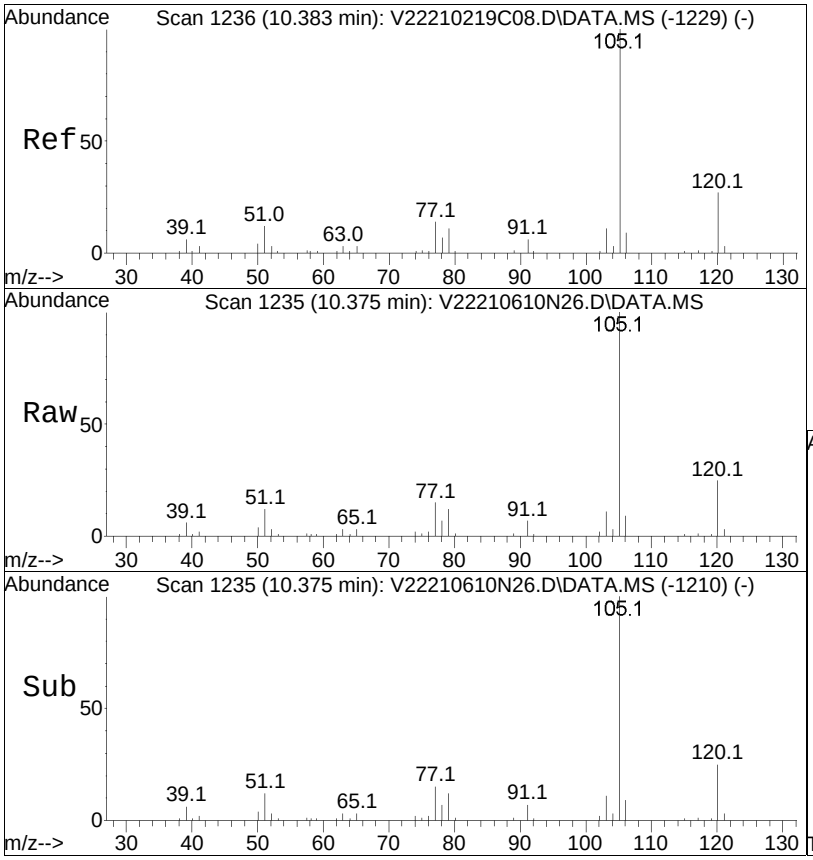


#84
Bromoform
Concen: 12.30 ug/L
RT: 10.050 min Scan# 1194
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:173 Resp: 35748

Ion	Ratio	Lower	Upper
173	100		
175	48.3	29.3	69.3

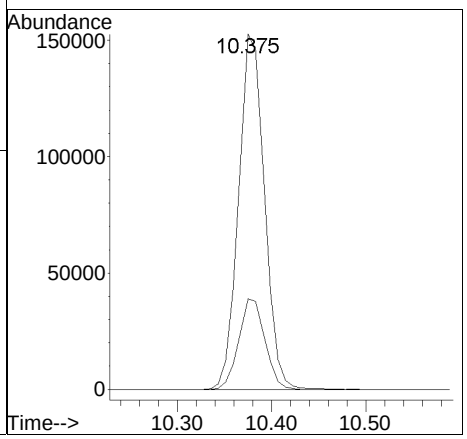


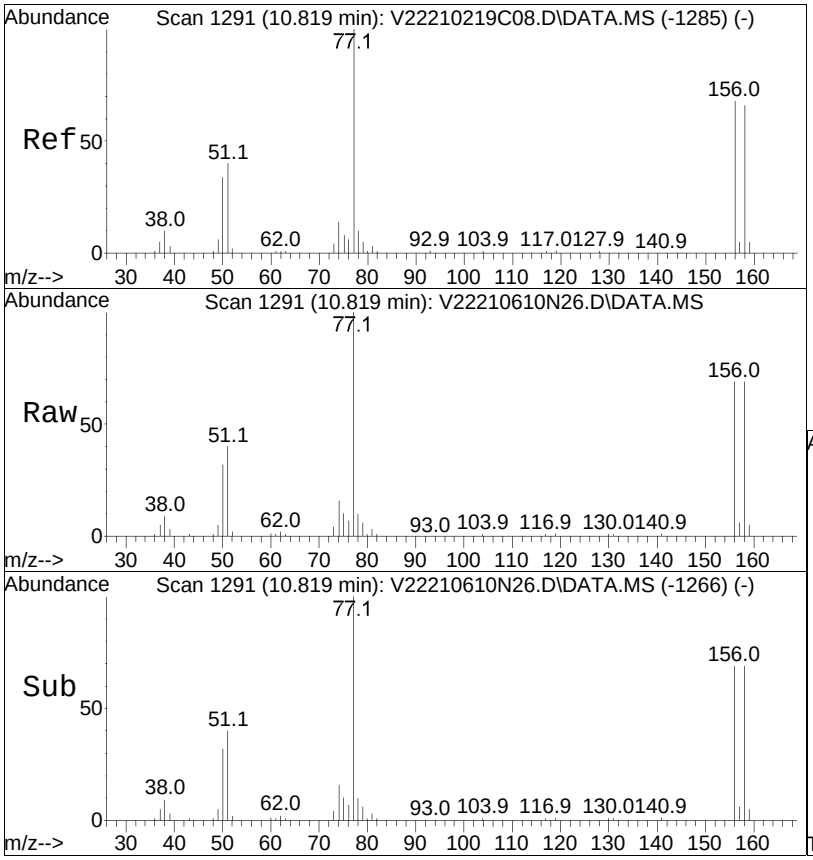


#86
Isopropylbenzene
Concen: 10.03 ug/L
RT: 10.375 min Scan# 1235
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:105 Resp: 291568

Ion	Ratio	Lower	Upper
105	100		
120	25.7	7.7	47.7

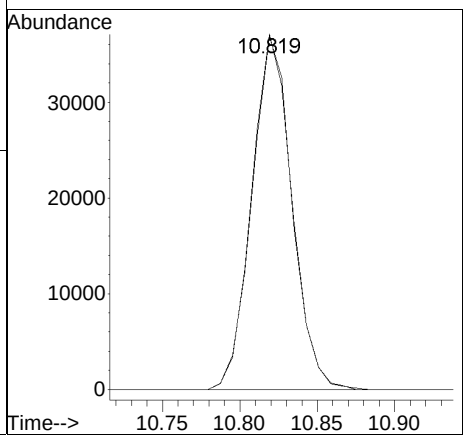


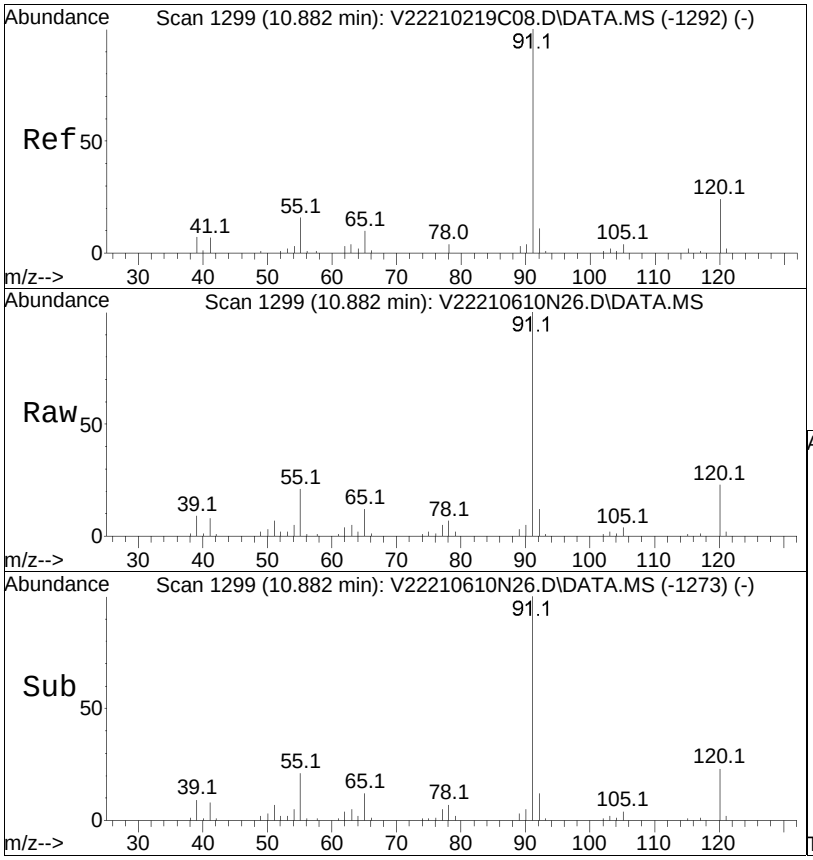


#88
Bromobenzene
Concen: 10.69 ug/L
RT: 10.819 min Scan# 1291
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:156 Resp: 66707

Ion	Ratio	Lower	Upper
156	100		
158	99.5	77.9	116.9

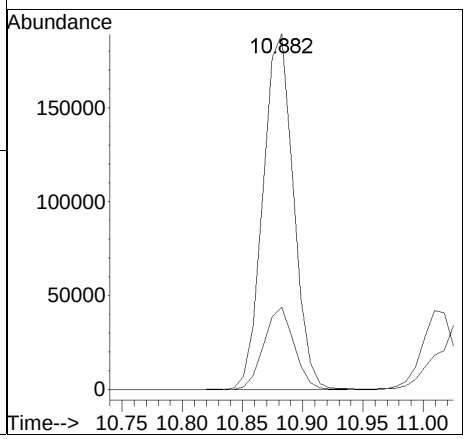


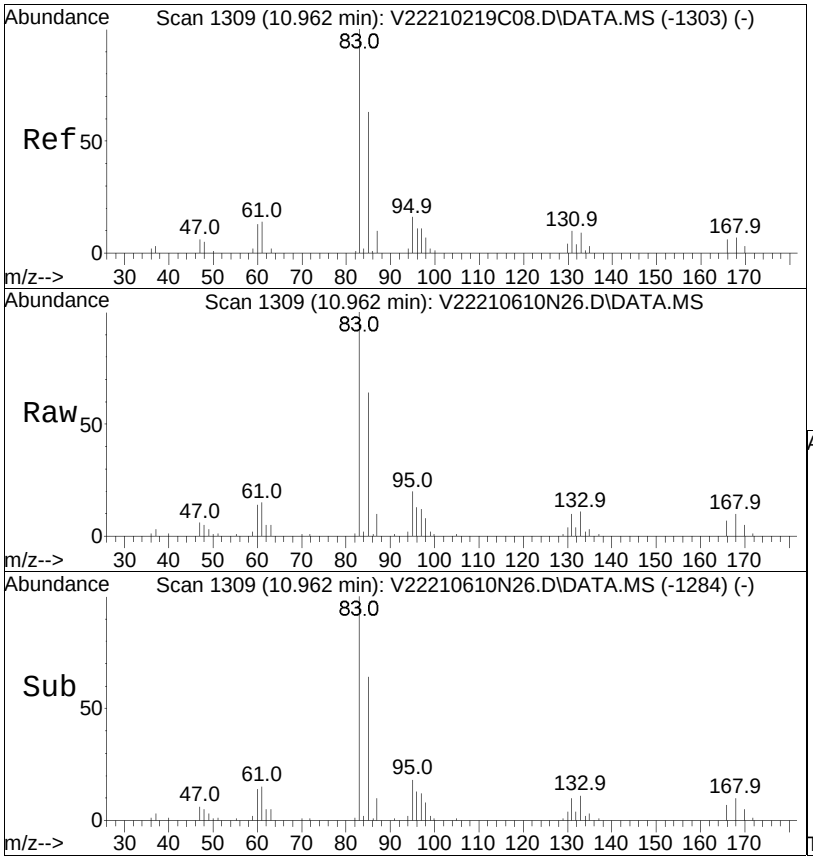


#89
n-Propylbenzene
Concen: 9.19 ug/L
RT: 10.882 min Scan# 1299
Delta R.T. 0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 91 Resp: 333546

Ion	Ratio	Lower	Upper
91	100		
120	22.8	19.5	29.3

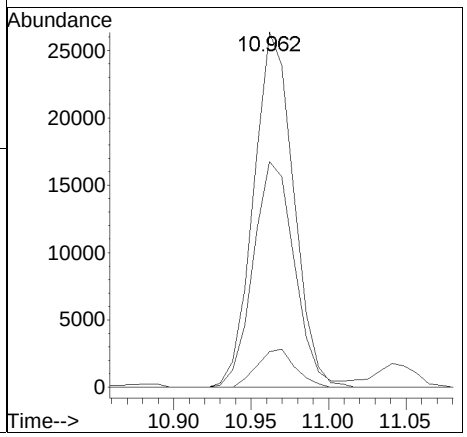


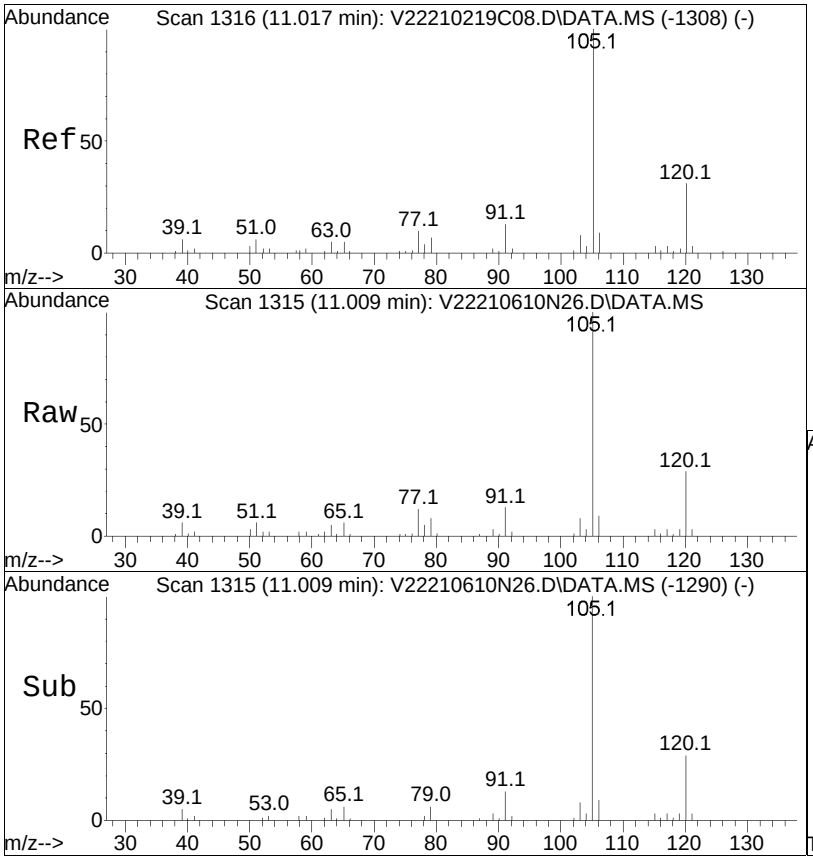


#91
1,1,2,2-Tetrachloroethane
Concen: 9.75 ug/L
RT: 10.962 min Scan# 1309
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 83 Resp: 47271

Ion	Ratio	Lower	Upper
83	100		
131	10.4	0.0	30.8
85	66.0	45.4	85.4

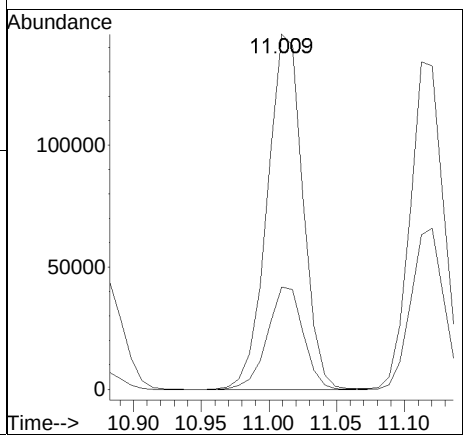


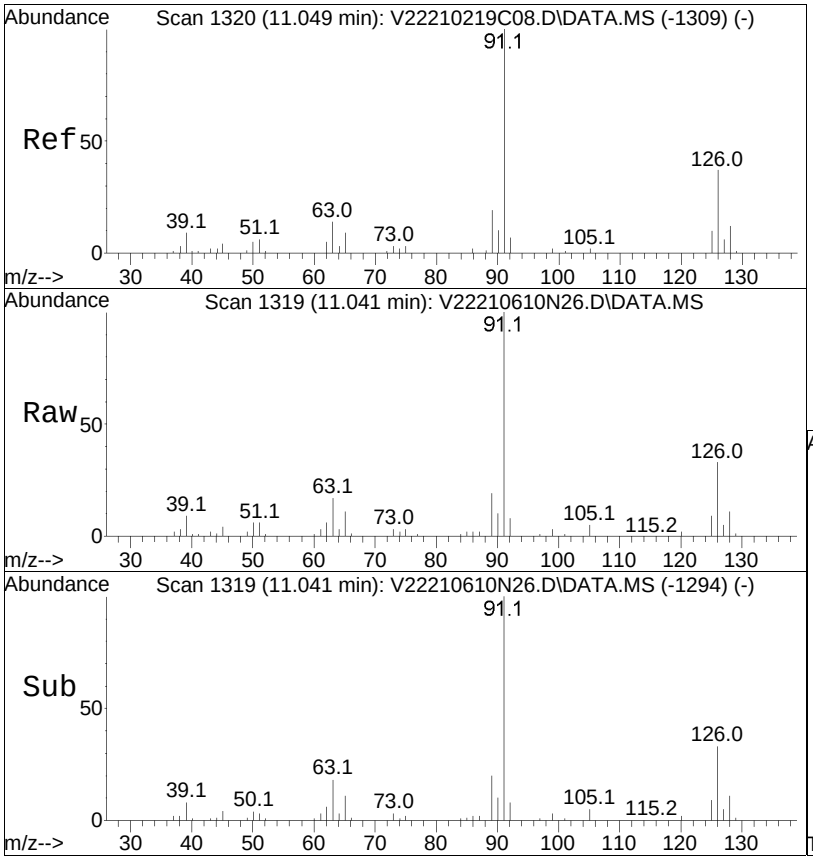


#92
4-Ethyltoluene
Concen: 9.46 ug/L
RT: 11.009 min Scan# 1315
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:105 Resp: 265953

Ion	Ratio	Lower	Upper
105	100		
120	29.0	19.8	41.0

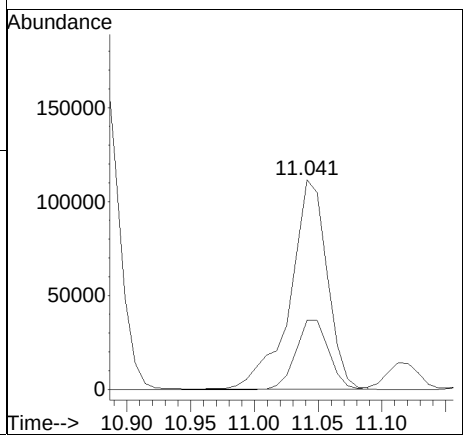


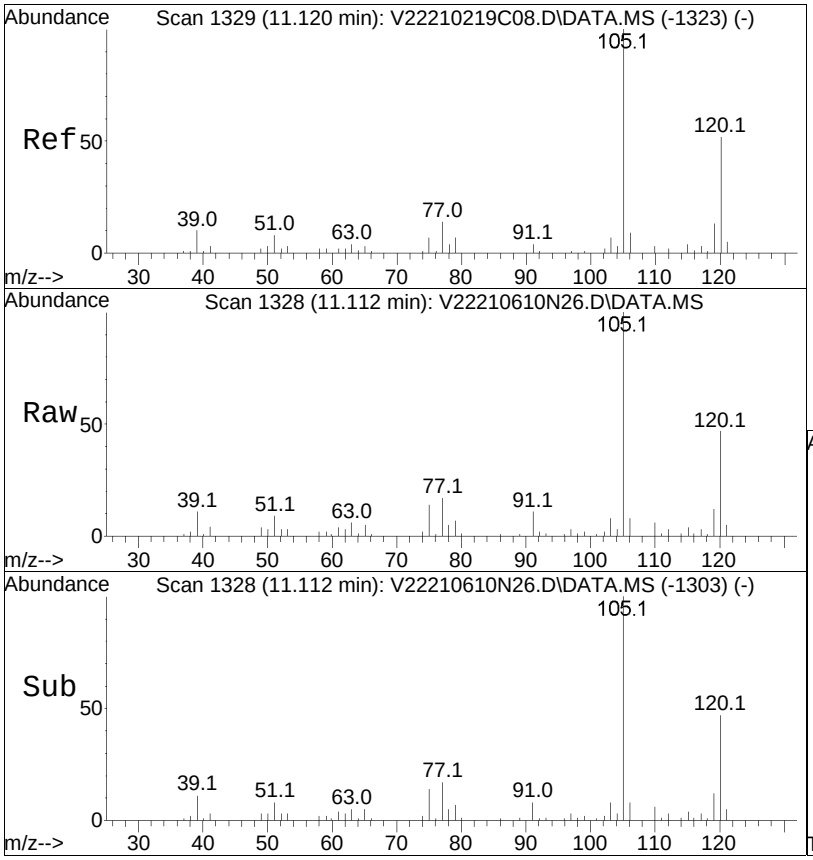


#93
2-Chlorotoluene
Concen: 9.39 ug/L
RT: 11.041 min Scan# 1319
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 91 Resp: 225237

Ion	Ratio	Lower	Upper
91	100		
126	29.4	24.6	37.0

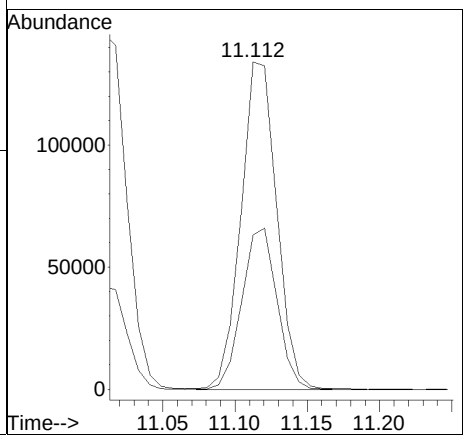


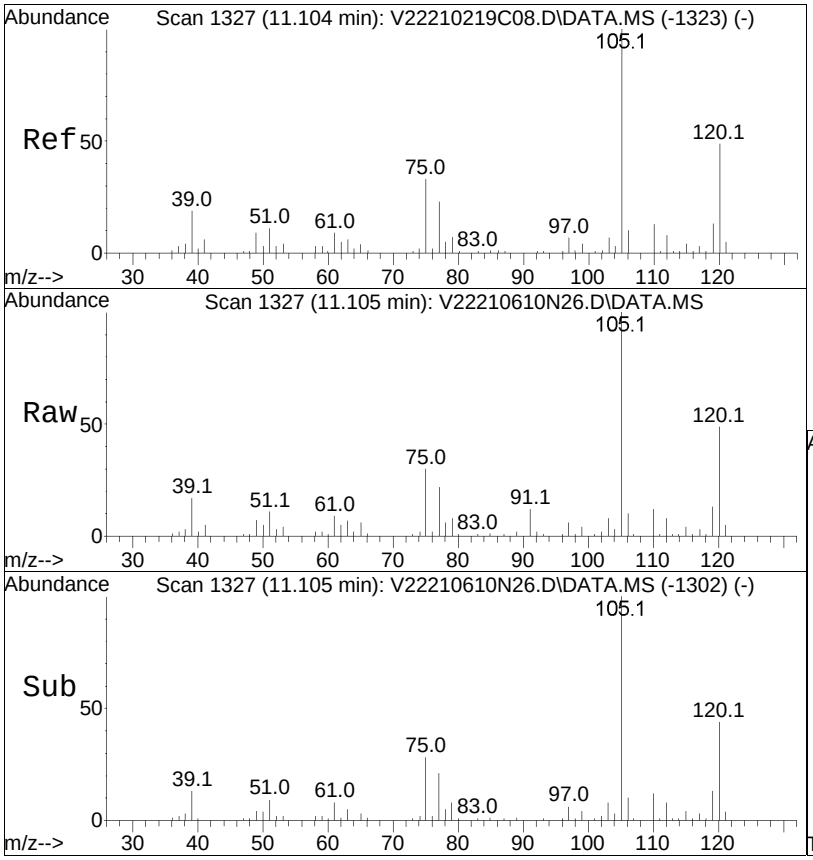


#94
1,3,5-Trimethylbenzene
Concen: 9.75 ug/L
RT: 11.112 min Scan# 1328
Delta R.T. -0.001 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:105 Resp: 231586

Ion	Ratio	Lower	Upper
105	100		
120	48.2	40.9	61.3

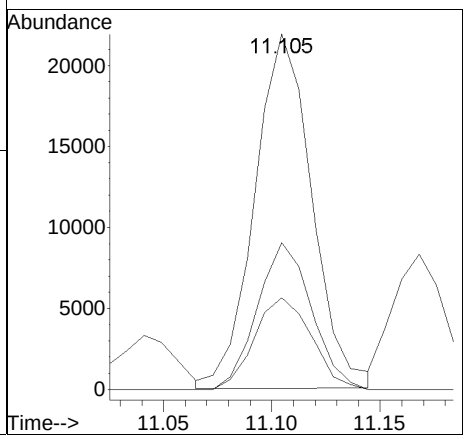


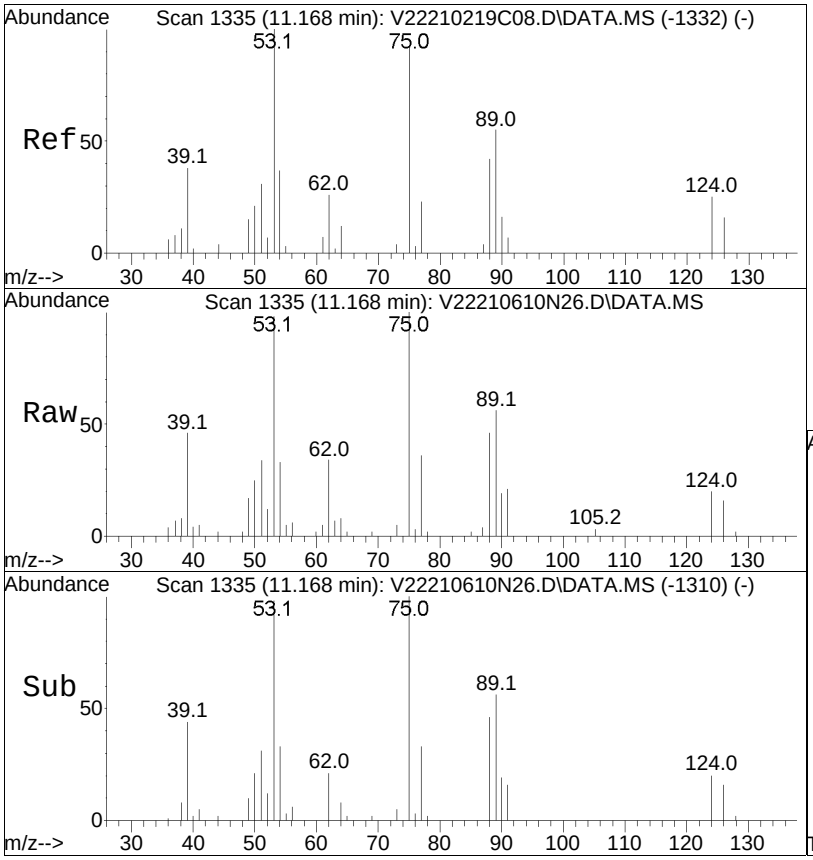


#95
1,2,3-Trichloropropane
Concen: 9.41 ug/L
RT: 11.105 min Scan# 1327
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 75 Resp: 40232

Ion	Ratio	Lower	Upper
75	100		
110	39.0	26.3	54.7
112	25.7	16.8	35.0

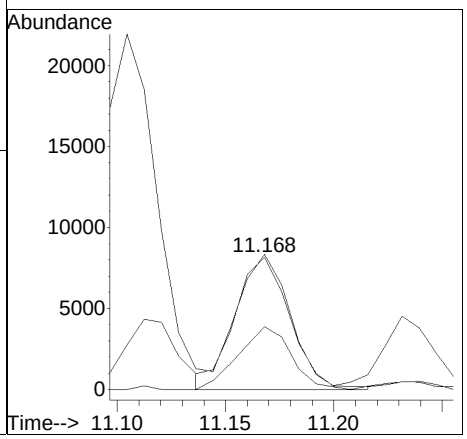


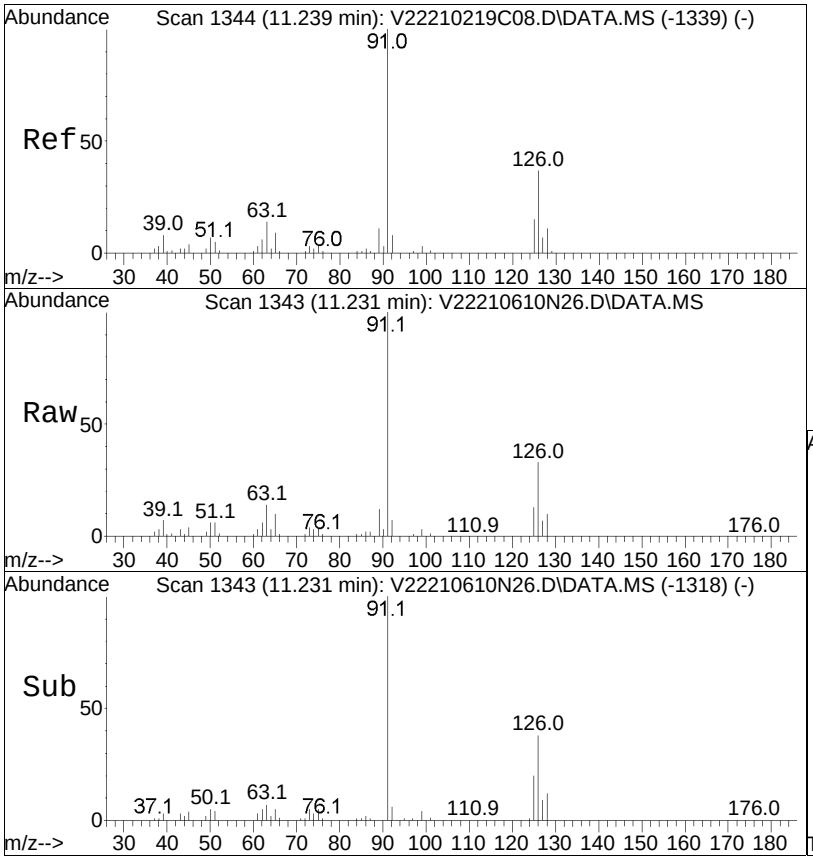


#96
trans-1,4-Dichloro-2-butene
Concen: 9.35 ug/L
RT: 11.168 min Scan# 1335
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 53 Resp: 14467

Ion	Ratio	Lower	Upper
53	100		
88	45.2	46.3	69.5#
75	94.6	109.0	163.4#

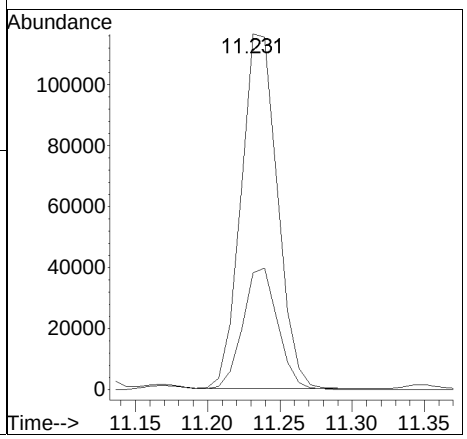


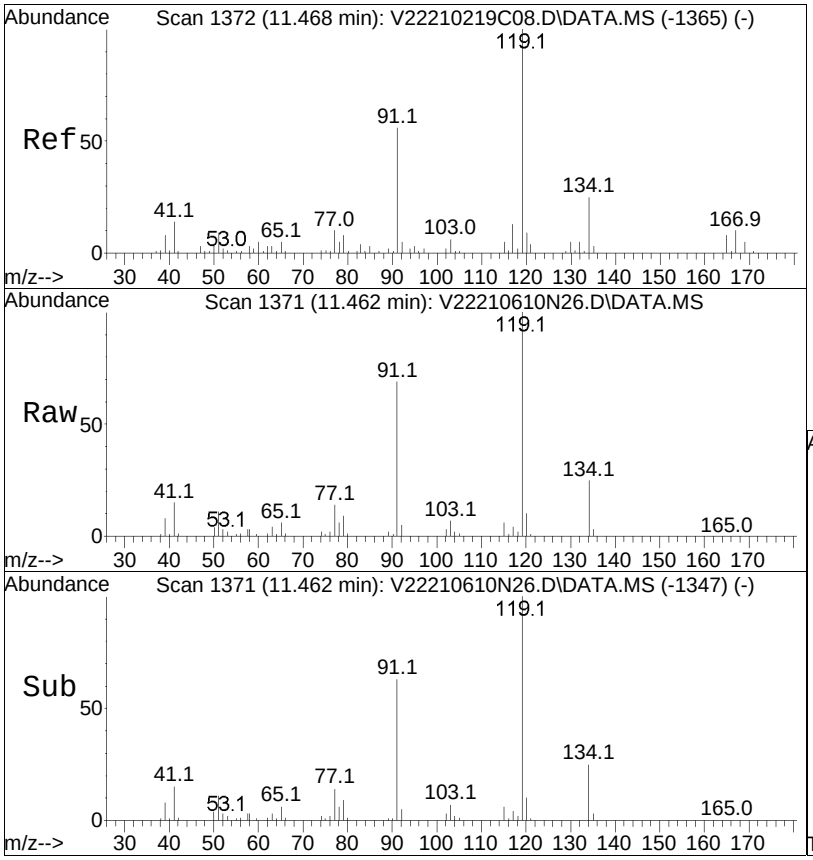


#97
4-Chlorotoluene
Concen: 9.47 ug/L
RT: 11.231 min Scan# 1343
Delta R.T. -0.001 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 91 Resp: 203755

Ion	Ratio	Lower	Upper
91	100		
126	33.0	28.5	42.7

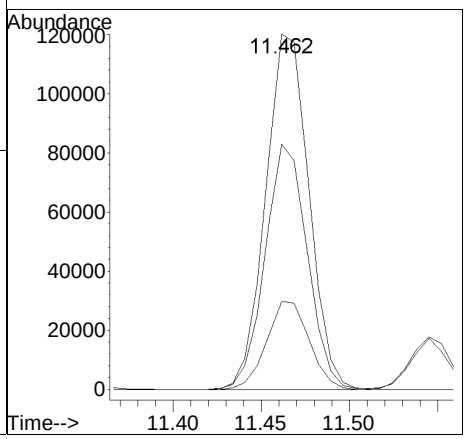


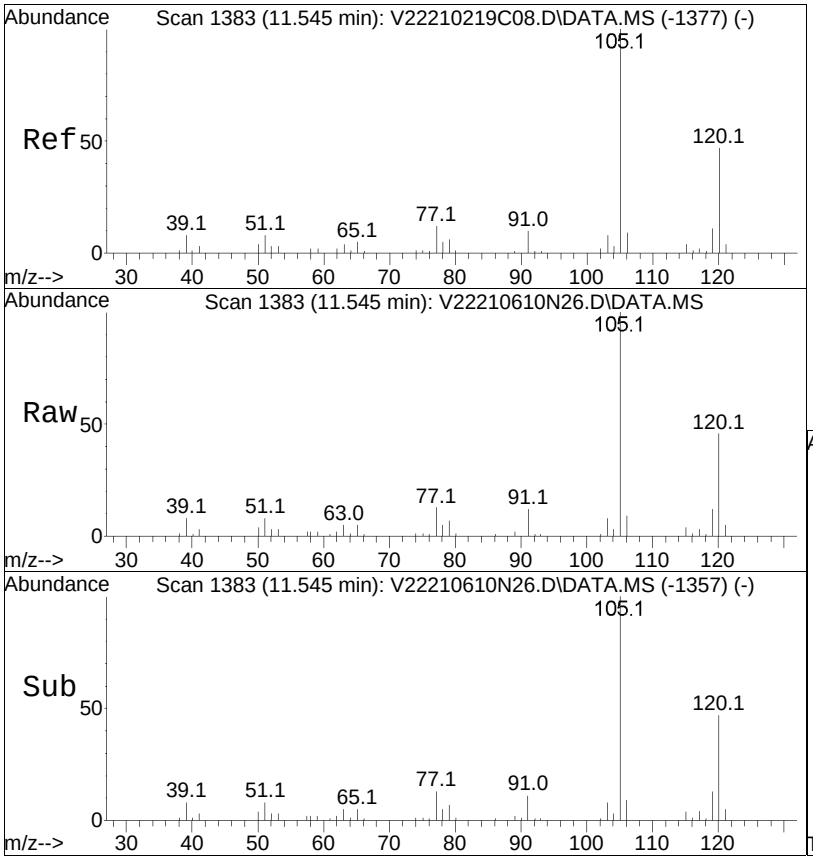


#98
tert-Butylbenzene
Concen: 9.19 ug/L
RT: 11.462 min Scan# 1371
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:119 Resp: 205046

Ion	Ratio	Lower	Upper
119	100		
91	67.5	50.2	75.4
134	24.5	20.8	31.2

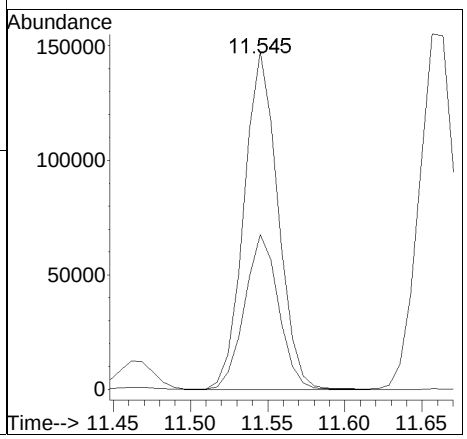


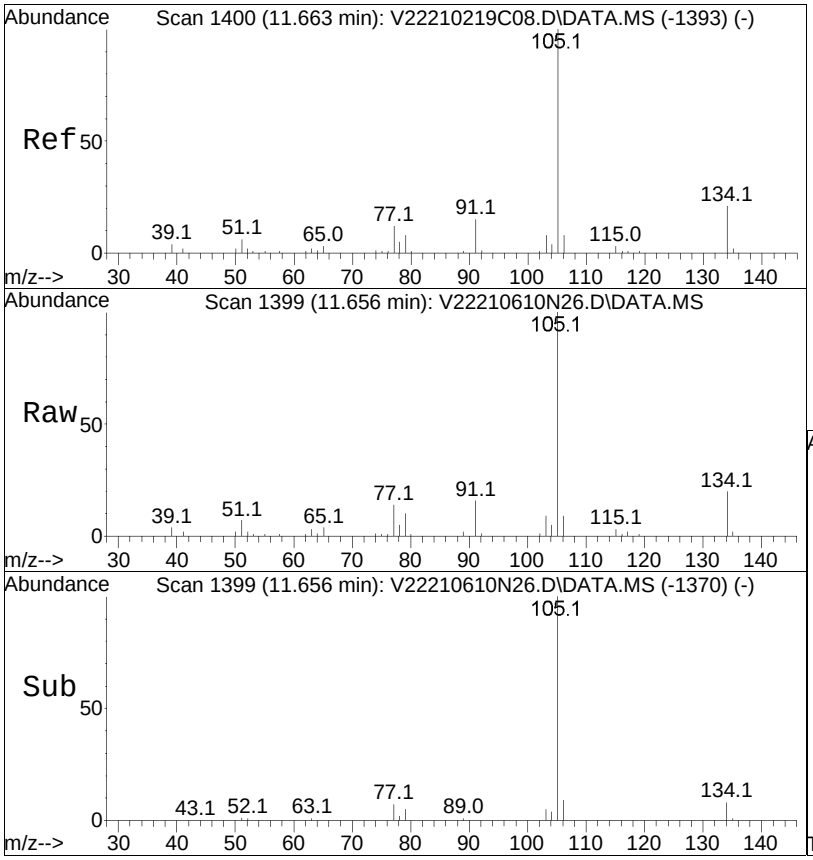


#101
1,2,4-Trimethylbenzene
Concen: 9.74 ug/L
RT: 11.545 min Scan# 1383
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:105 Resp: 225498

Ion	Ratio	Lower	Upper
105	100		
120	46.0	38.5	57.7

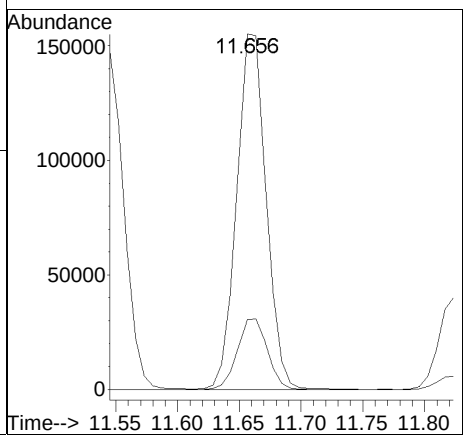


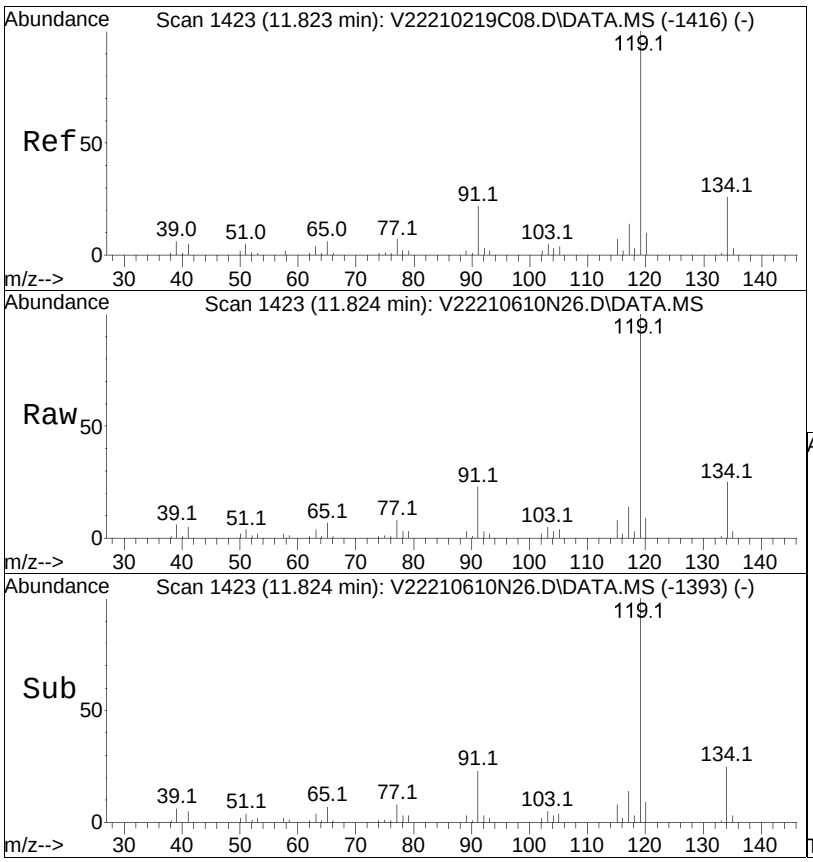


#102
sec-Butylbenzene
Concen: 9.31 ug/L
RT: 11.656 min Scan# 1399
Delta R.T. -0.001 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:105 Resp: 258155

Ion	Ratio	Lower	Upper
105	100		
134	20.1	13.9	28.9

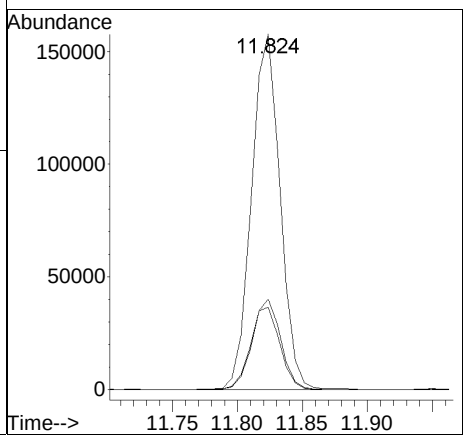


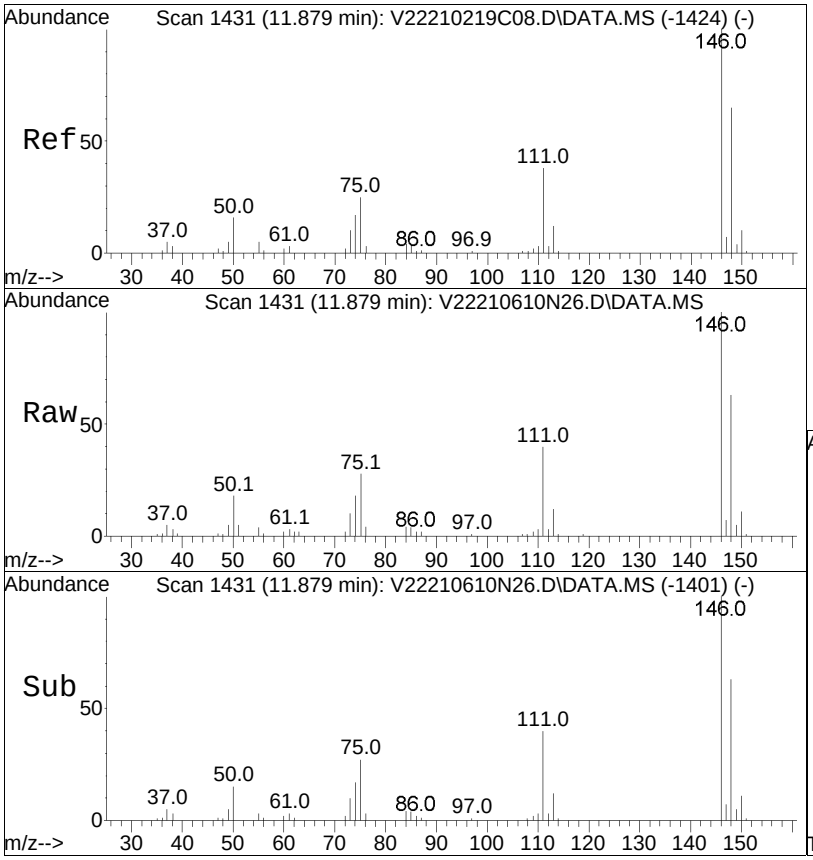


#103
p-Isopropyltoluene
Concen: 9.57 ug/L
RT: 11.824 min Scan# 1423
Delta R.T. 0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:119 Resp: 241046

Ion	Ratio	Lower	Upper
119	100		
134	25.2	17.7	36.7
91	23.8	14.1	29.3

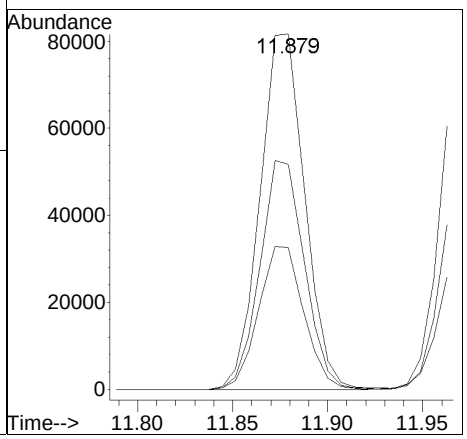


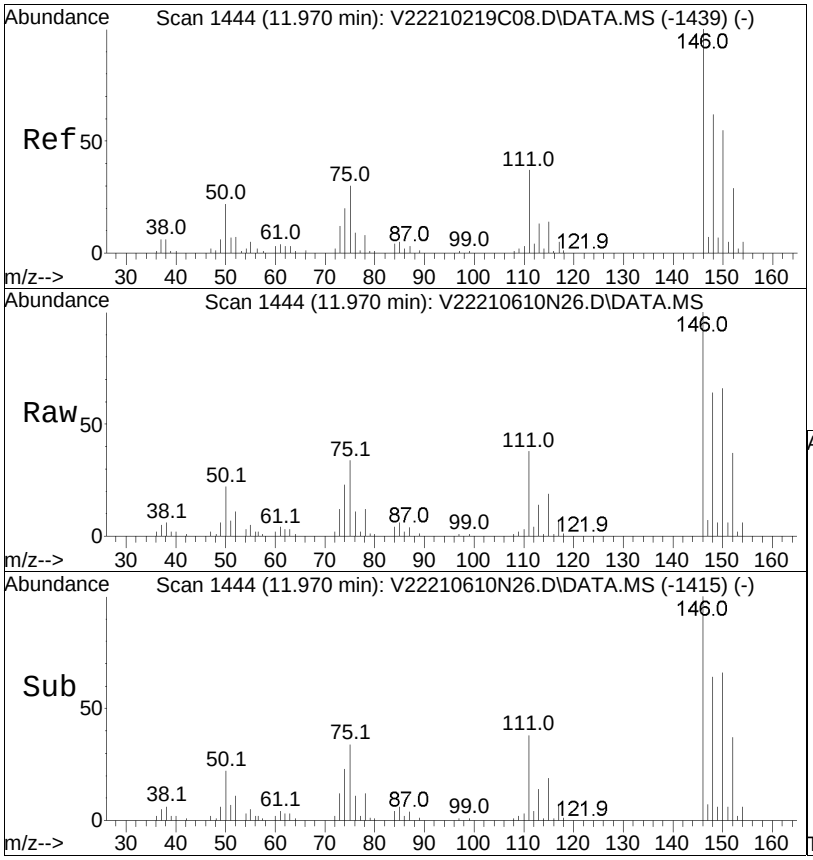


#104
1,3-Dichlorobenzene
Concen: 10.20 ug/L
RT: 11.879 min Scan# 1431
Delta R.T. 0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:146 Resp: 133900

Ion	Ratio	Lower	Upper
146	100		
111	40.5	24.0	49.8
148	63.9	41.8	86.8

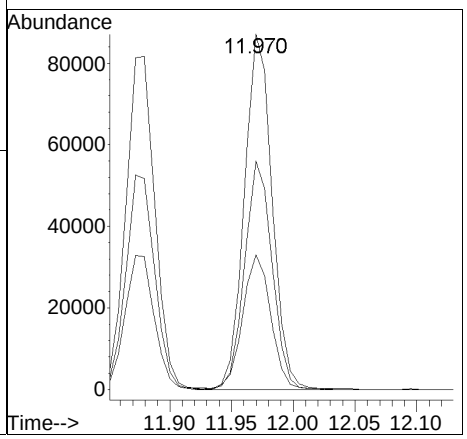


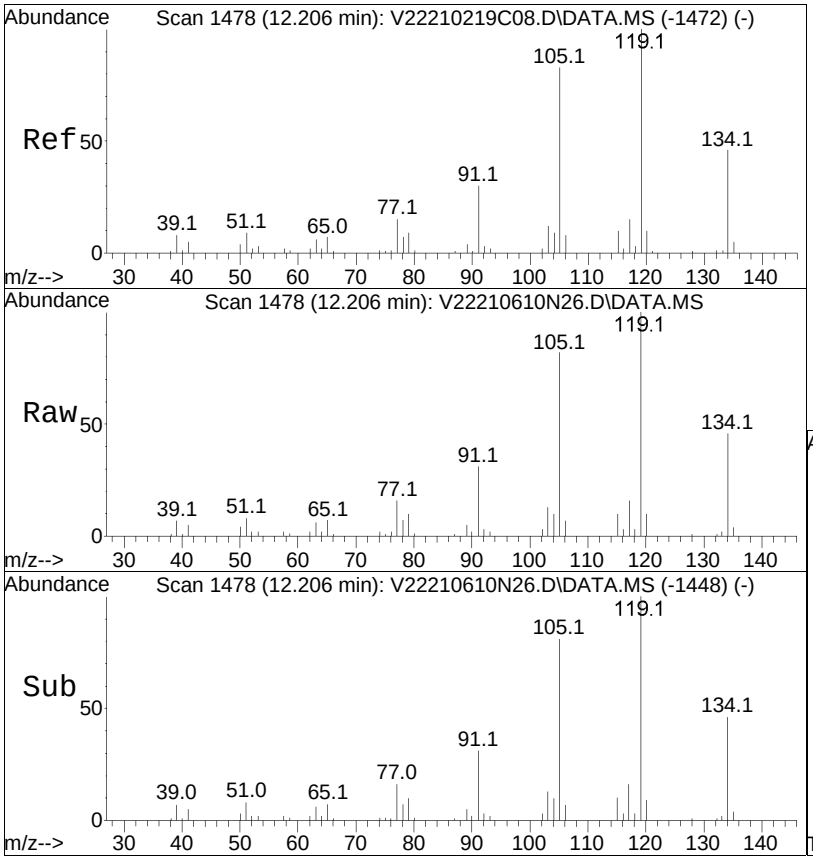


#105
1,4-Dichlorobenzene
Concen: 10.37 ug/L
RT: 11.970 min Scan# 1444
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:146 Resp: 136465

Ion	Ratio	Lower	Upper
146	100		
111	38.6	28.9	43.3
148	63.4	51.4	77.2

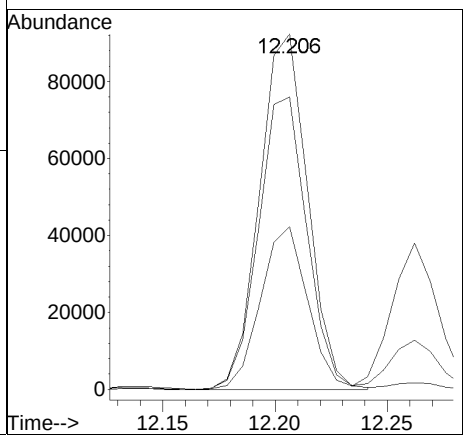


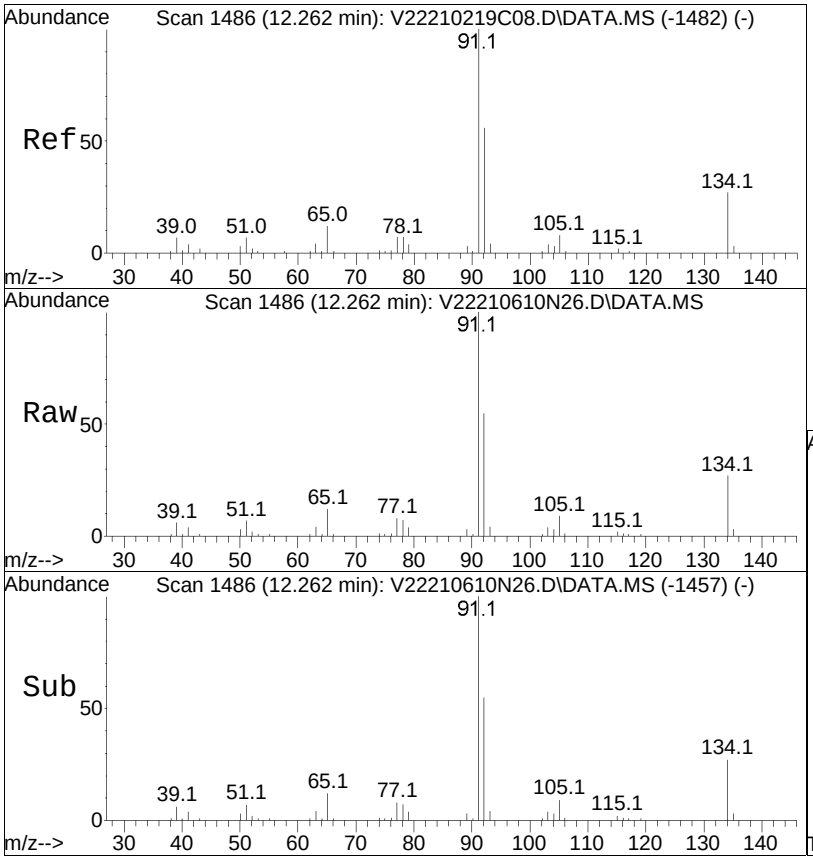


#106
p-Diethylbenzene
Concen: 9.47 ug/L
RT: 12.206 min Scan# 1478
Delta R.T. 0.006 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:119 Resp: 137733

Ion	Ratio	Lower	Upper
119	100		
105	82.8	53.4	110.8
134	44.8	30.9	64.1

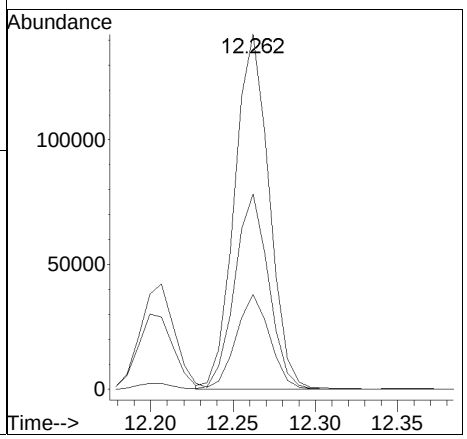


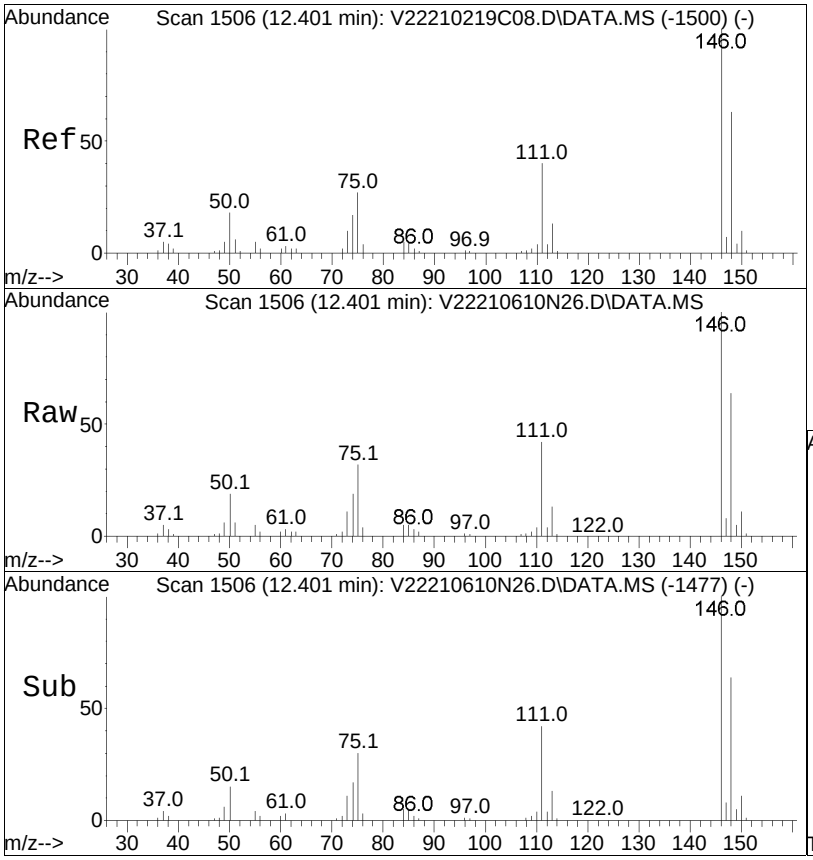


#107
n-Butylbenzene
Concen: 9.11 ug/L
RT: 12.262 min Scan# 1486
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion: 91 Resp: 207917

Ion	Ratio	Lower	Upper
91	100		
92	54.4	44.6	66.8
134	26.0	22.9	34.3

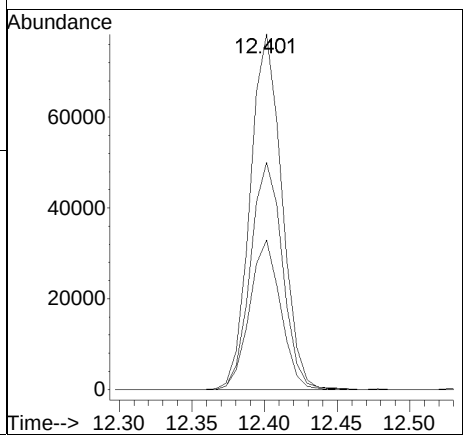


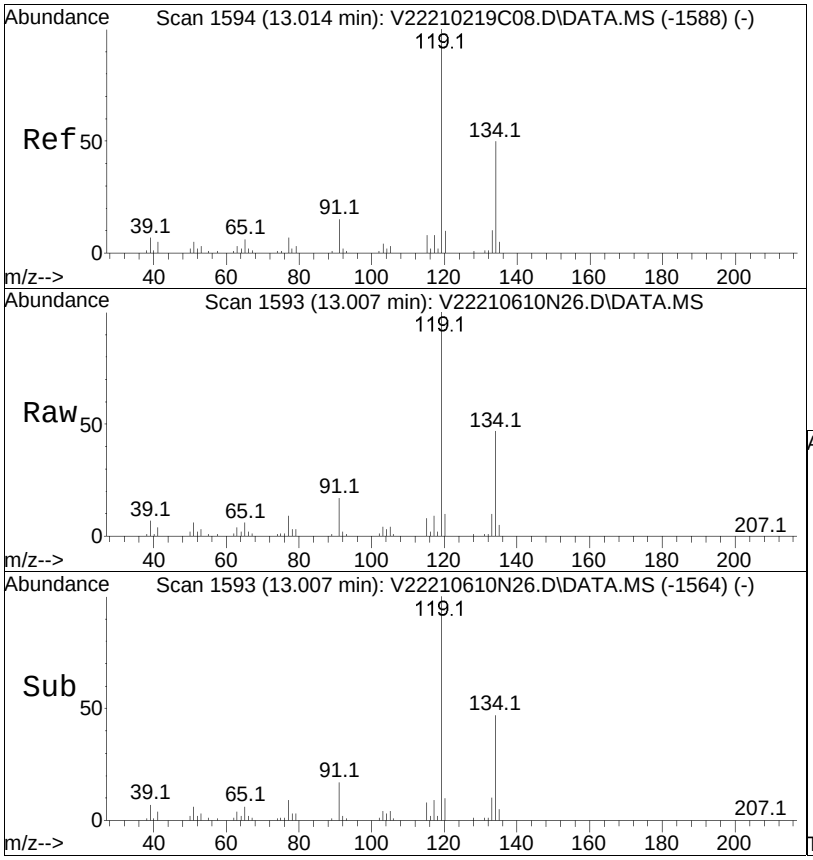


#108
1,2-Dichlorobenzene
Concen: 10.17 ug/L
RT: 12.401 min Scan# 1506
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:146 Resp: 118914

Ion	Ratio	Lower	Upper
146	100		
111	41.2	24.8	51.6
148	64.4	42.2	87.6

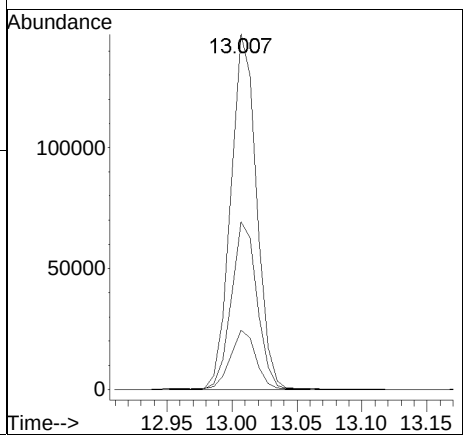


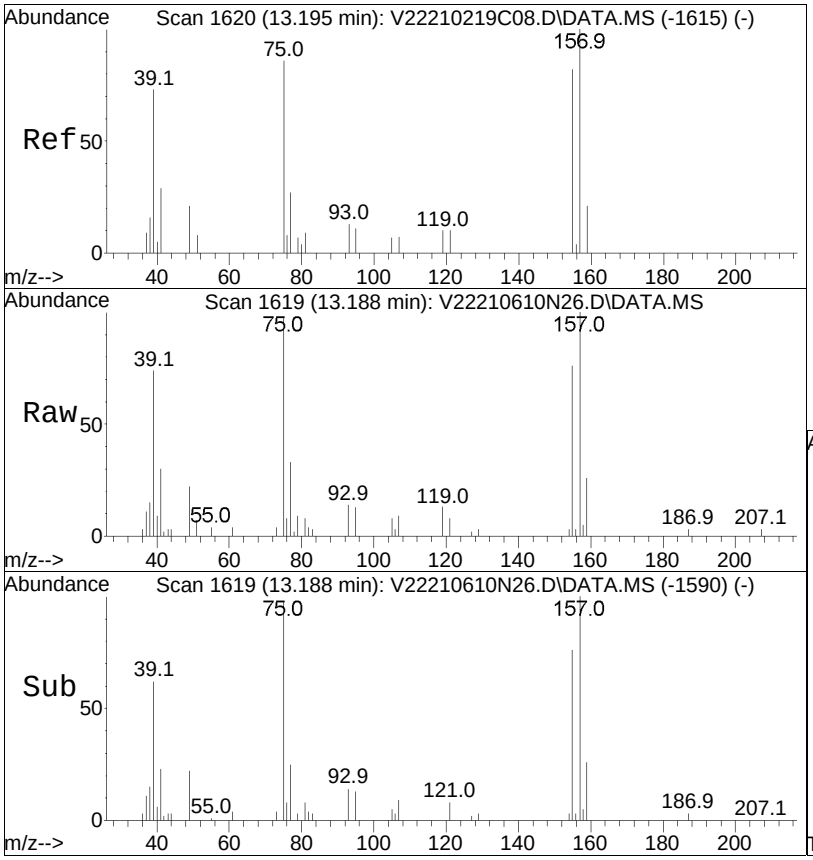


#109
1,2,4,5-Tetramethylbenzene
Concen: 9.83 ug/L
RT: 13.007 min Scan# 1593
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:119 Resp: 203414

Ion	Ratio	Lower	Upper
119	100		
134	47.1	31.9	66.1
91	16.6	9.8	20.3

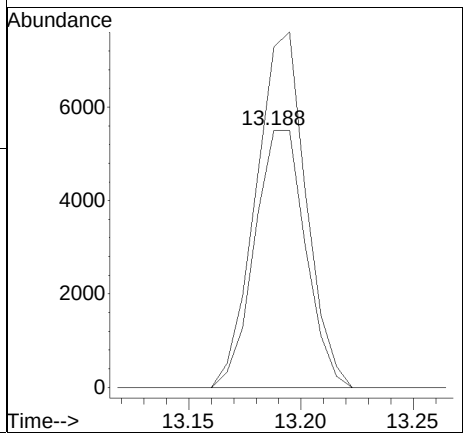


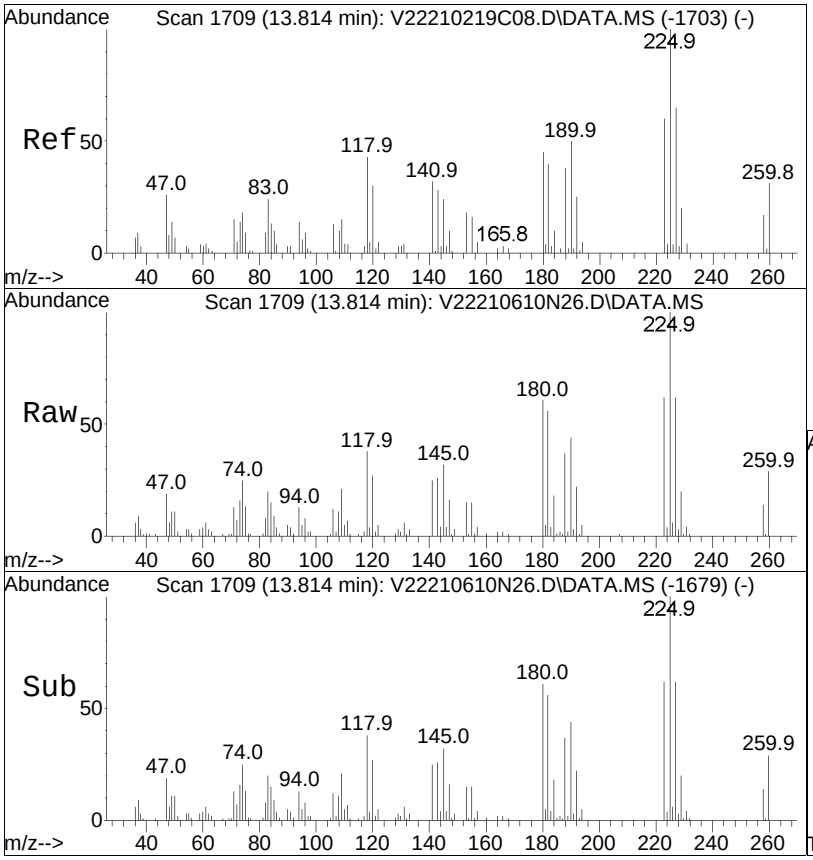


#110
1,2-Dibromo-3-chloropropane
Concen: 11.38 ug/L
RT: 13.188 min Scan# 1619
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:155 Resp: 8681

Ion	Ratio	Lower	Upper
155	100		
157	135.8	102.3	153.5

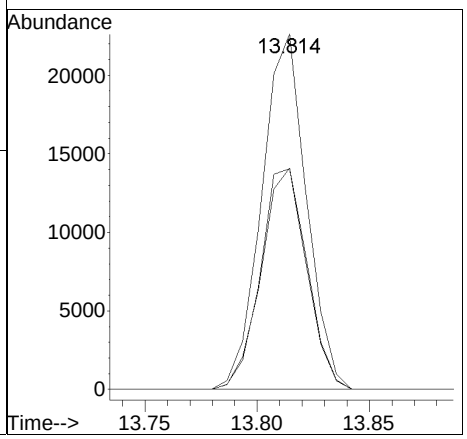


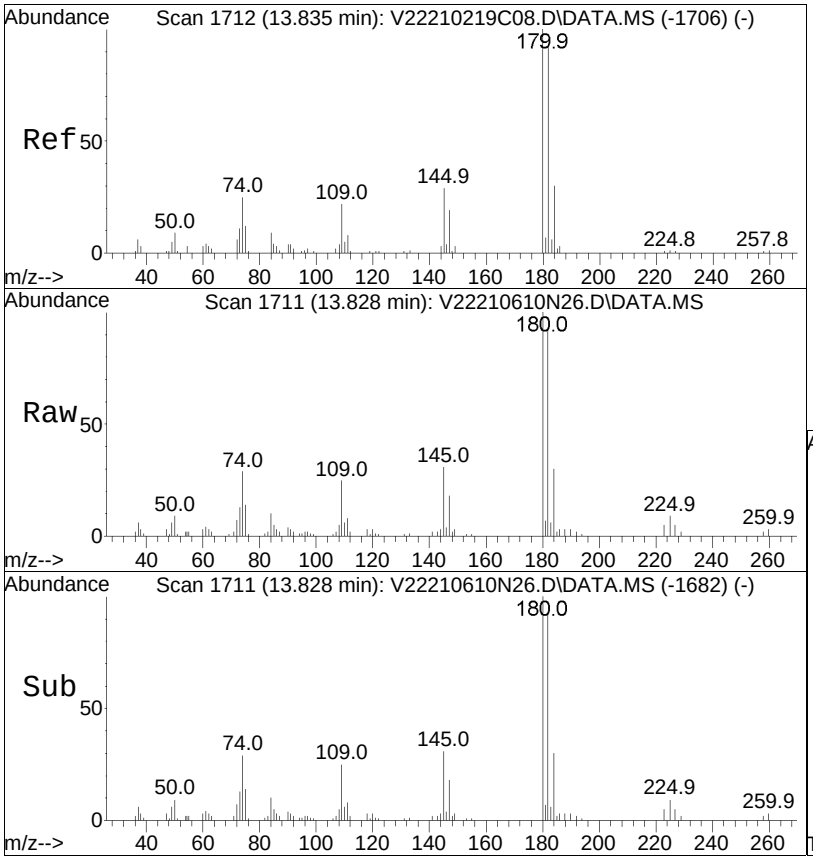


#112
Hexachlorobutadiene
Concen: 12.67 ug/L
RT: 13.814 min Scan# 1709
Delta R.T. 0.007 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:225 Resp: 31443

Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.8	74.8
227	63.7	52.2	78.4

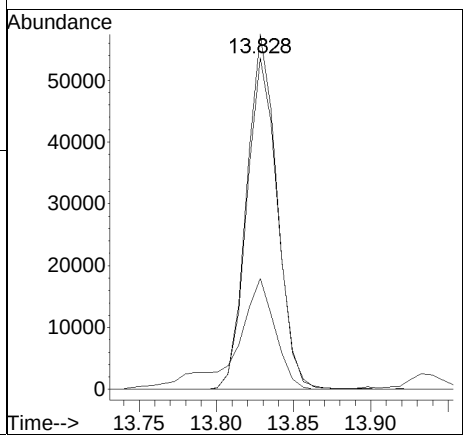


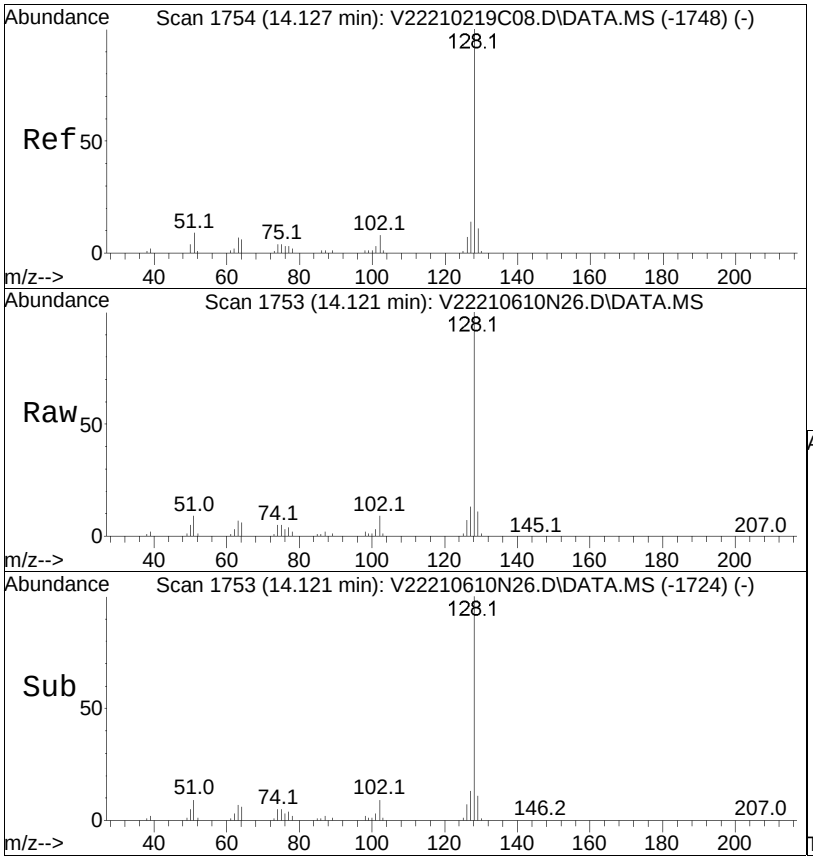


#113
1,2,4-Trichlorobenzene
Concen: 11.58 ug/L
RT: 13.828 min Scan# 1711
Delta R.T. 0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:180 Resp: 78540

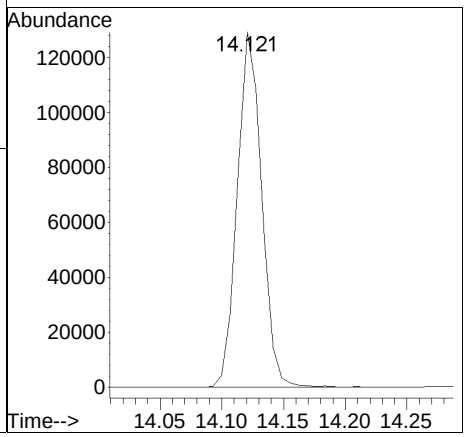
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.6	114.8
145	40.9	25.5	38.3#

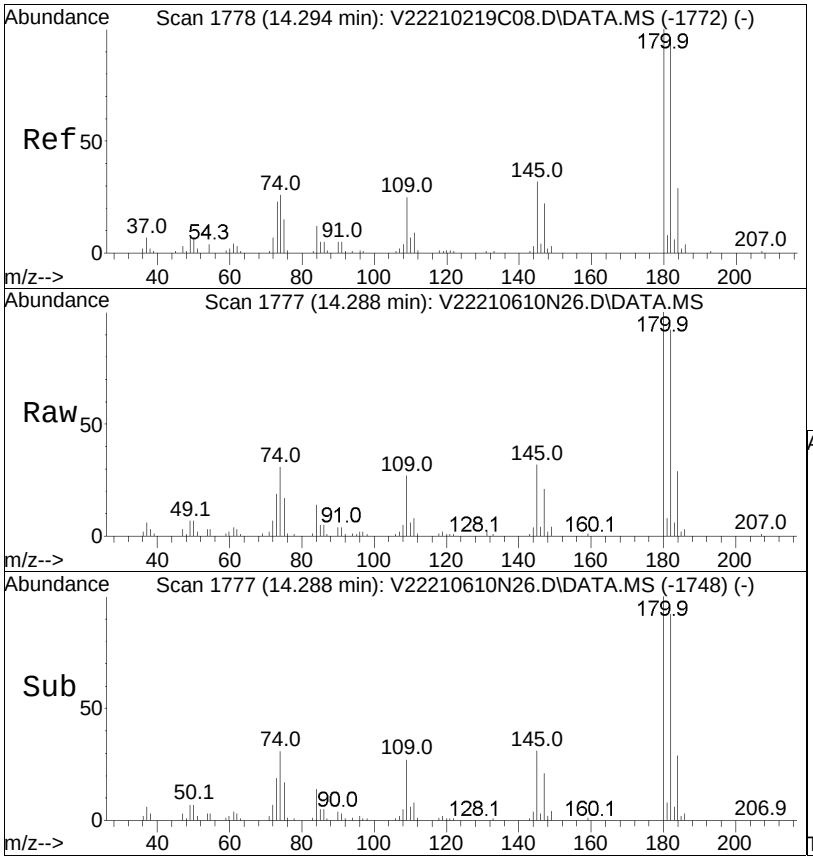




#114
Naphthalene
Concen: 11.34 ug/L
RT: 14.121 min Scan# 1753
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:128 Resp: 178275

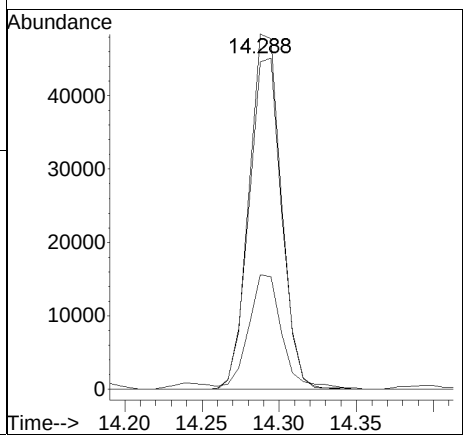




#115
1,2,3-Trichlorobenzene
Concen: 11.81 ug/L
RT: 14.288 min Scan# 1777
Delta R.T. -0.000 min
Lab File: V22210610N26.D
Acq: 11 Jun 2021 06:47 am

Tgt Ion:180 Resp: 70560

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.0	114.0
145	33.6	23.8	35.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	QMethod	: V122_210420N_8260.m
Data File	: V22210610N26.D	Operator	: VOA122:NLK
Date Inj'd	: 6/11/2021 6:47 am	Instrument	: VOA122
Sample	: WG1510951-7,31,10,10,,A1,P	Quant Date	: 6/11/2021 11:45 am

There are no manual integrations or false positives in this file.

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jun 13 2021, 09:33 am

Work Group: WG1510951 for Department: 31 GC/MS - Volatiles

Created: 11-JUN-21 Due: Operator: NLK

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2129111-01	MW2S	S	NYTCL-8260	WATER	DONE	U	0615	0610	S0	Vial-B
L2129111-02	MW2S DUP	S	NYTCL-8260	WATER	DONE	U	0615	0610	S0	Vial-B
L2129111-03	MW2D	S	NYTCL-8260	WATER	DONE	U	0615	0610	S0	Vial-B
L2129111-04	MW3S	S	NYTCL-8260	WATER	DONE	U	0615	0610	S0	Vial-B
L2129111-05	MW7S	S	NYTCL-8260	WATER	DONE	U	0615	0610	S0	Vial-B
L2129111-06	MW8S	S	NYTCL-8260	WATER	DONE	U	0615	0610	S0	Vial-B
L2129111-07	FIELD BLANK	S	NYTCL-8260	WATER	DONE	U	0615	0610	S0	Vial-B
L2129111-08	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0615	0610	S0	Vial-B
WG1510951-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1510951-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1510951-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1510951-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1510951-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG1510951-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG1510951-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG1510951-4	WG1510951-3
WG1510951-6	L2129111-01
WG1510951-7	L2129111-01

RUSH	HT	PRI

Inst: VOA122
Initials: TMS
Date: **04/20/21**
Run: **N**

BFB: V8343
IS/SS: V8348
ICAL: V8324E,V8350
ICV: V8300,V8301,V8329,V8330,V8292,V8272

Method
GC: 8260_WATER
Autosampler: 8260WATER
Concentrator: 8260

QC:___ Seq:_____

Vial	Data File	Sample	pH<2
1	V22210420NBF2	BFB TUNE	
1	V22210420N01	BLK	
2	V22210420N02	BLK	
3	V22210420N03	I8260STDL0.19PPB	
4	V22210420N04	I8260STDL0.19PPB	
5	V22210420N05	I8260STDL0.5PPB	
6	V22210420N06	I8260STDL0.5PPB	
7	V22210420N07	I8260STDL2PPB	
8	V22210420N08	I8260STDL2PPB	
9	V22210420N09	I8260STDL10PPB	
10	V22210420N10	I8260STDL30PPB	
11	V22210420N11	I8260STDL80PPB	
12	V22210420N12	I8260STDL120PPB	
13	V22210420N13	I8260STDL200PPB	
14	V22210420N14	BLK	
15	V22210420N15	BLK	
16	V22210420N16	BLK	
17	V22210420N17	BLK	
18	V22210420N18	BLK	
19	V22210420N19	C8260STDL10PPB	
20	V22210420N20	C8260STDL10PPB	
21	V22210420N21	BLK	
22	V22210420N22	BLK	

RUSH	HT	PRI

Inst: VOA122
Initials: TMS
Date: **06/10/21**
Run: **N**

BFB: V8400
IS/SS: V8413
ICAL: V8392D,V8421

Method
GC: 8260_WATER
Autosampler: 8260WATER
Concentrator: 8260

QC:___ Seq:_____

Vial	Data File	Sample		pH<2
1	V22210610NBF1	BFB TUNE 08:55		
1	V22210610N01	8260 CCAL LCS		
2	V22210610N02	8260 CCAL LCSD		
3	V22210610N03	BLK		
4	V22210610N04	METHOD BLK		
5	V22210610N05	L2128790-08,31,10,10,,C	NJ/15	pH<2
6	V22210610N06	L2128752-03,31,10,10,,C	NJ/TBA/15	pH<2
7	V22210610N07	L2128644-02D2,31,2.0,10,,C	NJ/BENZ	pH<2
8	V22210610N08	L2129111-01,31,10,10,,A,PRI	NYTCL	pH<2
9	V22210610N09	L2129111-02,31,10,10,,A,PRI	NYTCL	pH<2
10	V22210610N10	L2129111-03,31,10,10,,A,PRI	NYTCL	pH<2
11	V22210610N11	L2129111-04,31,10,10,,A,PRI	NYTCL	pH<2
12	V22210610N12	L2129111-05,31,10,10,,A,PRI	NYTCL	pH<2
13	V22210610N13	L2129111-06,31,10,10,,A,PRI	NYTCL	pH<2
14	V22210610N14	L2129111-07,31,10,10,,A,PRI	NYTCL FB	pH<2
15	V22210610N15	L2129111-08,31,10,10,,A,PRI	NYTCL TB	pH<2
16	V22210610N16	L2129010-01D,31,2.5,10,,A,PRI	ME8260	pH<2
17	V22210610N17	L2129004-01D,31,2.0,10,,A	NJ NAPH NoTICs	pH<2
18	V22210610N18	L2129004-02,31,10,10,,A	NJ NAPH NoTICs	pH<2
19	V22210610N19	L2128980-06,31,10,10,,A,PRI	NJ/15	pH<2
20	V22210610N20	L2128980-05,31,10,10,,A,PRI	NJ/15	pH<2
21	V22210610N21	L2128980-04,31,10,10,,A,PRI	NJ/15	pH<2
22	V22210610N22	L2128980-03D,31,0.5,10,,A,PRI	NJ/15	pH<2
23	V22210610N23	L2128980-02D,31,0.5,10,,A,PRI	NJ/15	pH<2
24	V22210610N24	L2128980-01,31,10,10,,A,PRI	NJ/15	pH<2
25	V22210610N25	L2129111-01MS,31,10,10,,A2,PRI	NYTCL	pH<2
26	V22210610N26	L2129111-01MSD,31,10,10,,A1,PRI	NYTCL	pH<2
27	V22210610N27	HSTD		
28	V22210610N28	BLK		
29	V22210610N29	BLK		

www.alphalab.com

Alpha Analytical

Laboratory Code: 11148

SDG Number: L2200912

Table of Contents

Table of Contents

Project Name: 21-25 31ST STREET
Project Number: 21-25 31ST STREET

Lab Number: L2200912
Report Date: 01/20/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2200912-01	MW-2S	WATER	21-25 31ST STREET, QUEENS, NY	01/06/22 12:10	01/06/22
L2200912-02	MW-2D	WATER	21-25 31ST STREET, QUEENS, NY	01/06/22 13:00	01/06/22
L2200912-03	MW-3S	WATER	21-25 31ST STREET, QUEENS, NY	01/06/22 10:20	01/06/22
L2200912-04	MW-3S-DUP	WATER	21-25 31ST STREET, QUEENS, NY	01/06/22 10:35	01/06/22
L2200912-05	MW-7S	WATER	21-25 31ST STREET, QUEENS, NY	01/06/22 14:50	01/06/22
L2200912-06	MW-8S	WATER	21-25 31ST STREET, QUEENS, NY	01/06/22 16:00	01/06/22
L2200912-07	FIELD BLANK 01062022	WATER	21-25 31ST STREET, QUEENS, NY	01/06/22 15:10	01/06/22
L2200912-08	TRIP BLANK	WATER	21-25 31ST STREET, QUEENS, NY	01/06/22 00:00	01/06/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich Report Date: 01/20/22

Title: Technical Director/Representative

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Alpha Job Number : L2200912

Account Name : Tenen Environmental, LLC
Project Number : 21-25 31ST STREET
Project Name : 21-25 31ST STREET

Received : 06-JAN-2022
Reviewer : Mohammed Wahed

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.3	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between sample labels & COC?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jan 20 2022, 09:52 am

Login Number: L2200912
Account: TENEN Tenen Environmental, LLCProject: 21-25 31ST STREET
Received: 06JAN22 Due Date: 20JAN22

Sample #	Client ID	Mat	PR	Collected
L2200912-01	MW-2S	S0	1	06JAN22 12:10

login: if trip blank recieved and not on COC please add it ASP-B Package Due Date: 01/20/22

ASP-B,NYTCL-8260

L2200912-02	MW-2D	S0	1	06JAN22 13:00

login: if trip blank recieved and not on COC please add it Package Due Date: 01/20/22

NYTCL-8260

L2200912-03	MW-3S	S0	1	06JAN22 10:20

login: if trip blank recieved and not on COC please add it L2200912-03 MS L2200912-03 MSD Package Due Date: 01/20/22

MS/MSD,NYTCL-8260

L2200912-04	MW-3S-DUP	S0	1	06JAN22 10:35

login: if trip blank recieved and not on COC please add it Package Due Date: 01/20/22

NYTCL-8260

L2200912-05	MW-7S	S0	1	06JAN22 14:50

login: if trip blank recieved and not on COC please add it Package Due Date: 01/20/22

NYTCL-8260

L2200912-06	MW-8S	S0	1	06JAN22 16:00

login: if trip blank recieved and not on COC please add it Package Due Date: 01/20/22

NYTCL-8260

L2200912-07	FIELD BLANK 01062022	S0	1	06JAN22 15:10

login: if trip blank recieved and not on COC please add it Package Due Date: 01/20/22

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jan 20 2022, 09:52 am

Login Number: L2200912
Account: TENEN Tenen Environmental, LLCProject: 21-25 31ST STREET
Received: 06JAN22 Due Date: 20JAN22

Sample #	Client ID	Mat	PR	Collected
NYTCL-8260				
L2200912-08	TRIP BLANK	1	S0	06JAN22 00:00

login: if trip blank recieved and not on COC please add it Package Due Date: 01/20/22

NYTCL-8260

Logged By: Mohammed Wahed

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 1/6/22

ALPHA Job #: L2200912

Client Information
Client: Tenen Env LLC
Address: 121 W 27th
NY NY 10001
Phone: 646 606 2332
Fax:
Email: mcarroll@tenenenv.com

Project Information
Project Name: 21-25 31st St
Project Location: 21-25 31st St, Queens, NY
Project #
(Use Project name as Project #) ☒
Project Manager: M. Carroll
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Bottle
00912-01	MW-25	1/6/22	1210	GW	HPL	X	
-02	MW-2D		1300	GW	HPL	X	
-03	MW-3S		1020	GW	HPL	X	
-03 -04 MS	MW-3S-MS		1025	GW	HPL	X	
-03 -05	MW-3S-MSD		1030	GW	HPL	X	
-04 -06	MW-3S-DUP		1035	GW	HPL	X	
-05 -07	MW-7S		1450	GW	HPL	X	
-06 -08	MW-8S	1/6/22	1600	GW	HPL	X	
-07 -09	Field Blank 01062022	1/6/22	1510	~~GW~~ AQ	HPL	X	
-08 -10	Trip Blank	1/6/22		AQ	JB	X	

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	1/6/22 16:35		1/6/22 16:35
	1/6/22 17:55		1/6 1930
		ASL	1/6/22 21:00
ASL	1/6/22 23:00		1/6/22 2300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONSTRUCTIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: Tenen Environmental, LLC
Project Name: 21-25 31ST STREET

Lab Number: L2200912
Project Number: 21-25 31ST STREET
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-2S (L2200912-01)	111	98	98	108	0
MW-2D (L2200912-02)	107	98	97	106	0
MW-3S (L2200912-03)	111	102	98	108	0
MW-3S-DUP (L2200912-04)	109	98	93	112	0
MW-7S (L2200912-05)	114	99	99	110	0
MW-8S (L2200912-06)	103	101	96	106	0
FIELD BLANK 01062022 (L2200912-07)	106	101	101	107	0
TRIP BLANK (L2200912-08)	107	101	99	107	0
WG1594142-3LCS	109	101	97	110	0
WG1594142-4LCSD	110	98	94	105	0
WG1594142-5BLANK	101	100	99	106	0
MW-3SMS	103	98	100	106	0
MW-3SMSD	108	101	100	106	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

* Values outside of QC limits

FORM II NYTCL-8260

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Matrix	: WATER		
LCS Sample ID	: WG1594142-3 **Analysis Date** : 01/13/22 10:57	**File ID**	: VE220113A02
LCSD Sample ID	: WG1594142-4 **Analysis Date** : 01/13/22 11:17	**File ID**	: VE220113A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	10	100	0	70-130	20
1,1-Dichloroethane	10	9.2	92	10	10	100	8	70-130	20
Chloroform	10	9.5	95	10	10	100	5	70-130	20
Carbon tetrachloride	10	7.4	74	10	7.7	77	4	63-132	20
1,2-Dichloropropane	10	9.5	95	10	9.7	97	2	70-130	20
Dibromochloromethane	10	9.0	90	10	9.4	94	4	63-130	20
1,1,2-Trichloroethane	10	11	110	10	11	110	0	70-130	20
Tetrachloroethene	10	8.9	89	10	9.4	94	5	70-130	20
Chlorobenzene	10	9.7	97	10	9.9	99	2	75-130	20
Trichlorofluoromethane	10	13	130	10	14	140	7	62-150	20
1,2-Dichloroethane	10	10	100	10	11	110	10	70-130	20
1,1,1-Trichloroethane	10	8.2	82	10	8.7	87	6	67-130	20
Bromodichloromethane	10	9.2	92	10	9.9	99	7	67-130	20
trans-1,3-Dichloropropene	10	7.2	72	10	7.4	74	3	70-130	20
cis-1,3-Dichloropropene	10	8.3	83	10	8.8	88	6	70-130	20
1,1-Dichloropropene	10	9.4	94	10	9.8	98	4	70-130	20
Bromoform	10	8.1	81	10	8.5	85	5	54-136	20
1,1,2,2-Tetrachloroethane	10	11	110	10	11	110	0	67-130	20
Benzene	10	9.5	95	10	10	100	5	70-130	20
Toluene	10	9.3	93	10	9.7	97	4	70-130	20
Ethylbenzene	10	9.2	92	10	9.7	97	5	70-130	20
Chloromethane	10	8.9	89	10	9.7	97	9	64-130	20
Bromomethane	10	12	120	10	13	130	8	39-139	20
Vinyl chloride	10	9.6	96	10	10	100	4	55-140	20
Chloroethane	10	18	180 Q	10	17	170 Q	6	55-138	20
1,1-Dichloroethene	10	9.1	91	10	9.5	95	4	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Matrix	: WATER		
LCS Sample ID	: WG1594142-3 **Analysis Date** : 01/13/22 10:57	**File ID**	: VE220113A02
LCSD Sample ID	: WG1594142-4 **Analysis Date** : 01/13/22 11:17	**File ID**	: VE220113A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	9.0	90	10	9.6	96	6	70-130	20
Trichloroethene	10	8.6	86	10	9.7	97	12	70-130	20
1,2-Dichlorobenzene	10	9.6	96	10	10	100	4	70-130	20
1,3-Dichlorobenzene	10	9.7	97	10	10	100	3	70-130	20
1,4-Dichlorobenzene	10	9.8	98	10	10	100	2	70-130	20
Methyl tert butyl ether	10	9.8	98	10	10	100	2	63-130	20
p/m-Xylene	20	18	90	20	19	95	5	70-130	20
o-Xylene	20	19	95	20	20	100	5	70-130	20
cis-1,2-Dichloroethene	10	9.3	93	10	9.9	99	6	70-130	20
Dibromomethane	10	9.9	99	10	11	110	11	70-130	20
1,2,3-Trichloropropane	10	12	120	10	12	120	0	64-130	20
Acrylonitrile	10	10	100	10	11	110	10	70-130	20
Styrene	20	19	95	20	20	100	5	70-130	20
Dichlorodifluoromethane	10	11	110	10	11	110	0	36-147	20
Acetone	10	13	130	10	12	120	8	58-148	20
Carbon disulfide	10	9.3	93	10	9.9	99	6	51-130	20
2-Butanone	10	12	120	10	11	110	9	63-138	20
Vinyl acetate	10	8.1	81	10	7.6	76	6	70-130	20
4-Methyl-2-pentanone	10	10	100	10	11	110	10	59-130	20
2-Hexanone	10	9.2	92	10	9.7	97	5	57-130	20
Bromochloromethane	10	10	100	10	10	100	0	70-130	20
2,2-Dichloropropane	10	5.6	56 Q	10	6.0	60 Q	7	63-133	20
1,2-Dibromoethane	10	9.2	92	10	9.7	97	5	70-130	20
1,3-Dichloropropane	10	11	110	10	11	110	0	70-130	20
1,1,1,2-Tetrachloroethane	10	7.4	74	10	8.2	82	10	64-130	20
Bromobenzene	10	9.7	97	10	9.8	98	1	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Matrix	: WATER		
LCS Sample ID	: WG1594142-3	**Analysis Date** : 01/13/22 10:57	**File ID** : VE220113A02
LCSD Sample ID	: WG1594142-4	**Analysis Date** : 01/13/22 11:17	**File ID** : VE220113A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	10	100	10	10	100	0	53-136	20
sec-Butylbenzene	10	9.9	99	10	9.9	99	0	70-130	20
tert-Butylbenzene	10	9.3	93	10	9.8	98	5	70-130	20
o-Chlorotoluene	10	9.7	97	10	10	100	3	70-130	20
p-Chlorotoluene	10	9.7	97	10	9.9	99	2	70-130	20
1,2-Dibromo-3-chloropropane	10	7.7	77	10	7.7	77	0	41-144	20
Hexachlorobutadiene	10	9.5	95	10	9.7	97	2	63-130	20
Isopropylbenzene	10	9.7	97	10	9.9	99	2	70-130	20
p-Isopropyltoluene	10	9.6	96	10	10	100	4	70-130	20
Naphthalene	10	10	100	10	10	100	0	70-130	20
n-Propylbenzene	10	10	100	10	10	100	0	69-130	20
1,2,3-Trichlorobenzene	10	9.7	97	10	9.9	99	2	70-130	20
1,2,4-Trichlorobenzene	10	9.5	95	10	9.4	94	1	70-130	20
1,3,5-Trimethylbenzene	10	9.6	96	10	10	100	4	64-130	20
1,2,4-Trimethylbenzene	10	9.7	97	10	10	100	3	70-130	20
1,4-Dioxane	500	810	162	500	930	186 Q	14	56-162	20
p-Diethylbenzene	10	9.4	94	10	9.7	97	3	70-130	20
p-Ethyltoluene	10	9.6	96	10	9.9	99	3	70-130	20
1,2,4,5-Tetramethylbenzene	10	9.1	91	10	9.5	95	4	70-130	20
Ethyl ether	10	11	110	10	12	120	9	59-134	20
trans-1,4-Dichloro-2-butene	10	8.7	87	10	7.5	75	15	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Client Sample ID	: MW-3S	**Matrix**	: WATER
Lab Sample ID	: L2200912-03	**Analysis Date**	: 01/13/22 15:04
Matrix Spike	: WG1594142-6	**MS Analysis Date**	: 01/13/22 19:25
Matrix Spike Dup	: WG1594142-7	**MSD Analysis Date**	: 01/13/22 19:45

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	10	100	10	11	110	10	70-130	20
1,1-Dichloroethane	ND	10	10	100	10	10	100	0	70-130	20
Chloroform	ND	10	10	100	10	10	100	0	70-130	20
Carbon tetrachloride	ND	10	7.8	78	10	8.8	88	12	63-132	20
1,2-Dichloropropane	ND	10	9.1	91	10	9.8	98	7	70-130	20
Dibromochloromethane	ND	10	8.2	82	10	9.1	91	10	63-130	20
1,1,2-Trichloroethane	ND	10	10	100	10	11	110	10	70-130	20
Tetrachloroethene	0.76	10	11	102	10	11	102	0	70-130	20
Chlorobenzene	ND	10	10	100	10	11	110	10	75-130	20
Trichlorofluoromethane	ND	10	15	150	10	16	160 Q	6	62-150	20
1,2-Dichloroethane	ND	10	10	100	10	11	110	10	70-130	20
1,1,1-Trichloroethane	ND	10	9.2	92	10	9.8	98	6	67-130	20
Bromodichloromethane	ND	10	9.0	90	10	9.7	97	7	67-130	20
trans-1,3-Dichloropropene	ND	10	5.8	58 Q	10	6.9	69 Q	17	70-130	20
cis-1,3-Dichloropropene	ND	10	7.4	74	10	8.5	85	14	70-130	20
1,1-Dichloropropene	ND	10	10	100	10	11	110	10	70-130	20
Bromoform	ND	10	7.4	74	10	8.2	82	10	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	11	110	10	12	120	9	67-130	20
Benzene	ND	10	10	100	10	11	110	10	70-130	20
Toluene	ND	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	2.5	10	13	105	10	13	105	0	70-130	20
Chloromethane	ND	10	9.7	97	10	9.9	99	2	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Client Sample ID	: MW-3S	**Matrix**	: WATER
Lab Sample ID	: L2200912-03	**Analysis Date**	: 01/13/22 15:04
Matrix Spike	: WG1594142-6	**MS Analysis Date**	: 01/13/22 19:25
Matrix Spike Dup	: WG1594142-7	**MSD Analysis Date**	: 01/13/22 19:45

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Bromomethane	ND	10	11	110		10	13	130		17	39-139	20
Vinyl chloride	6.9	10	18	111		10	20	131		11	55-140	20
Chloroethane	ND	10	20	200	Q	10	19	190	Q	5	55-138	20
1,1-Dichloroethene	ND	10	11	110		10	11	110		0	61-145	20
trans-1,2-Dichloroethene	150	10	170	200	Q	10	150	0	Q	13	70-130	20
Trichloroethene	1.8	10	12	102		10	12	102		0	70-130	20
1,2-Dichlorobenzene	ND	10	9.6	96		10	10	100		4	70-130	20
1,3-Dichlorobenzene	ND	10	9.7	97		10	10	100		3	70-130	20
1,4-Dichlorobenzene	ND	10	9.8	98		10	11	110		12	70-130	20
Methyl tert butyl ether	ND	10	9.4	94		10	11	110		16	63-130	20
p/m-Xylene	ND	20	21	105		20	21	105		0	70-130	20
o-Xylene	0.70J	20	21	105		20	21	105		0	70-130	20
cis-1,2-Dichloroethene	84	10	100	160	Q	10	88	40	Q	13	70-130	20
Dibromomethane	ND	10	9.8	98		10	11	110		12	70-130	20
1,2,3-Trichloropropane	ND	10	11	110		10	12	120		9	64-130	20
Acrylonitrile	ND	10	9.8	98		10	10	100		2	70-130	20
Styrene	ND	20	20	100		20	21	105		5	70-130	20
Dichlorodifluoromethane	ND	10	13	130		10	13	130		0	36-147	20
Acetone	ND	10	10	100		10	13	130		26	Q 58-148	20
Carbon disulfide	ND	10	11	110		10	11	110		0	51-130	20
2-Butanone	ND	10	9.8	98		10	9.6	96		2	63-138	20
Vinyl acetate	ND	10	6.5	65	Q	10	7.5	75		14	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Client Sample ID	: MW-3S	**Matrix**	: WATER
Lab Sample ID	: L2200912-03	**Analysis Date**	: 01/13/22 15:04
Matrix Spike	: WG1594142-6	**MS Analysis Date**	: 01/13/22 19:25
Matrix Spike Dup	: WG1594142-7	**MSD Analysis Date**	: 01/13/22 19:45

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
4-Methyl-2-pentanone	ND	10	10	100		10	12	120		18	59-130	20
2-Hexanone	ND	10	9.7	97		10	11	110		13	57-130	20
Bromochloromethane	ND	10	9.8	98		10	10	100		2	70-130	20
2,2-Dichloropropane	ND	10	5.3	53	Q	10	5.8	58	Q	9	63-133	20
1,2-Dibromoethane	ND	10	8.5	85		10	9.5	95		11	70-130	20
1,3-Dichloropropane	ND	10	10	100		10	11	110		10	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	7.7	77		10	7.9	79		3	64-130	20
Bromobenzene	ND	10	9.6	96		10	10	100		4	70-130	20
n-Butylbenzene	ND	10	10	100		10	11	110		10	53-136	20
sec-Butylbenzene	ND	10	11	110		10	11	110		0	70-130	20
tert-Butylbenzene	ND	10	10	100		10	10	100		0	70-130	20
o-Chlorotoluene	ND	10	10	100		10	10	100		0	70-130	20
p-Chlorotoluene	ND	10	10	100		10	10	100		0	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	6.6	66		10	7.9	79		18	41-144	20
Hexachlorobutadiene	ND	10	9.7	97		10	10	100		3	63-130	20
Isopropylbenzene	1.2J	10	12	120		10	12	120		0	70-130	20
p-Isopropyltoluene	ND	10	10	100		10	10	100		0	70-130	20
Naphthalene	ND	10	13	130		10	14	140	Q	7	70-130	20
n-Propylbenzene	ND	10	11	110		10	11	110		0	69-130	20
1,2,3-Trichlorobenzene	ND	10	11	110		10	12	120		9	70-130	20
1,2,4-Trichlorobenzene	ND	10	10	100		10	11	110		10	70-130	20
1,3,5-Trimethylbenzene	ND	10	10	100		10	10	100		0	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Client Sample ID	: MW-3S	**Matrix**	: WATER
Lab Sample ID	: L2200912-03	**Analysis Date**	: 01/13/22 15:04
Matrix Spike	: WG1594142-6	**MS Analysis Date**	: 01/13/22 19:25
Matrix Spike Dup	: WG1594142-7	**MSD Analysis Date**	: 01/13/22 19:45

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,2,4-Trimethylbenzene	ND	10	11	110	10	11	110	0	70-130	20
1,4-Dioxane	ND	500	760	152	500	870	174 Q	13	56-162	20
p-Diethylbenzene	ND	10	10	100	10	9.9	99	1	70-130	20
p-Ethyltoluene	ND	10	10	100	10	10	100	0	70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	10	100	10	10	100	0	70-130	20
Ethyl ether	ND	10	11	110	10	11	110	0	59-134	20
trans-1,4-Dichloro-2-butene	ND	10	7.4	74	10	7.5	75	1	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab Sample ID	: WG1594142-5	**Lab File ID**	: VE220113A05
Instrument ID	: ELAINE		
Matrix	: WATER	**Analysis Date**	: 01/13/22 11:57

Client Sample No.	Lab Sample ID	Analysis Date
WG1594142-3LCS	WG1594142-3	01/13/22 10:57
WG1594142-4LCSD	WG1594142-4	01/13/22 11:17
MW-2S	L2200912-01	01/13/22 14:24
MW-2D	L2200912-02	01/13/22 14:44
MW-3S	L2200912-03	01/13/22 15:04
MW-3S-DUP	L2200912-04	01/13/22 15:25
MW-7S	L2200912-05	01/13/22 15:45
MW-8S	L2200912-06	01/13/22 16:05
FIELD BLANK 01062022	L2200912-07	01/13/22 16:25
TRIP BLANK	L2200912-08	01/13/22 16:45
MW-3SMS	WG1594142-6	01/13/22 19:25
MW-3SMSD	WG1594142-7	01/13/22 19:45

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Instrument ID	: ELAINE	**Analysis Date**	: 01/03/22 20:04
Tune Standard	: WG1590490-1	**Tune File ID**	: VE220103BF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	49.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	87.7
175	5.0 - 9.0% of mass 174	6.5 (7.4)1
176	95.0 - 101% of mass 174	85.2 (97.2)1
177	5.0 - 9.0% of mass 176	5.4 (6.3)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1519591-1	VE220103N04	01/03/22 21:26
STD0.5PPB	R1519591-3	VE220103N06	01/03/22 22:04
STD2PPB	R1519591-2	VE220103N08	01/03/22 22:42
STD10PPB	R1519591-4	VE220103N09	01/03/22 23:01
STD30PPB	R1519591-6	VE220103N10	01/03/22 23:20
STD80PPB	R1519591-7	VE220103N11	01/03/22 23:39
STD120PPB	R1519591-5	VE220103N12	01/03/22 23:58
STD200PPB	R1519591-8	VE220103N13	01/04/22 00:17
Correlation Data Summary	R1519591-9	VE220103N20	01/04/22 02:31
ICV Quant Report	R1519591-9	VE220103N20	01/04/22 02:31

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Instrument ID	: ELAINE	**Analysis Date**	: 01/13/22 10:19
Tune Standard	: WG1594142-1	**Tune File ID**	: VE220113ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.9
75	30.0 - 60.0% of mass 95	54.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	80.6
175	5.0 - 9.0% of mass 174	6.2 (7.7)1
176	95.0 - 101% of mass 174	76.7 (95.2)1
177	5.0 - 9.0% of mass 176	5.8 (7.5)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1594142-2CCAL	WG1594142-2	VE220113A02	01/13/22 10:57
WG1594142-3LCS	WG1594142-3	VE220113A02	01/13/22 10:57
WG1594142-4LCSD	WG1594142-4	VE220113A03	01/13/22 11:17
WG1594142-5BLANK	WG1594142-5	VE220113A05	01/13/22 11:57
MW-2S	L2200912-01	VE220113A12	01/13/22 14:24
MW-2D	L2200912-02	VE220113A13	01/13/22 14:44
MW-3S	L2200912-03	VE220113A14	01/13/22 15:04
MW-3S-DUP	L2200912-04	VE220113A15	01/13/22 15:25
MW-7S	L2200912-05	VE220113A16	01/13/22 15:45
MW-8S	L2200912-06	VE220113A17	01/13/22 16:05
FIELD BLANK 01062022	L2200912-07	VE220113A18	01/13/22 16:25
TRIP BLANK	L2200912-08	VE220113A19	01/13/22 16:45
WG1594142-6MS	WG1594142-6	VE220113A27	01/13/22 19:25
WG1594142-7MSD	WG1594142-7	VE220113A28	01/13/22 19:45

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Instrument ID	: ELAINE	**Analysis Date**	: 01/13/22 10:57:00
Sample No	: WG1594142-2	**Lab File ID**	: VE220113A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1594142-2	117975	5.36	86573	8.42	45323	9.92
Upper Limit	235950	5.86	173146	8.92	90646	10.42
Lower Limit	58988	4.86	43287	7.92	22662	9.42
Sample ID						
WG1594142-3 LCS	117975	5.36	86573	8.42	45323	9.92
WG1594142-4 LCSD	117306	5.36	87499	8.42	46031	9.92
WG1594142-5 BLANK	107289	5.36	78164	8.42	39277	9.92
MW-2S	106869	5.36	77829	8.42	39557	9.92
MW-2D	110085	5.36	81908	8.42	41189	9.92
MW-3S	103158	5.36	75842	8.42	39194	9.92
MW-3S-DUP	105917	5.36	80645	8.42	42287	9.92
MW-7S	104847	5.36	80213	8.42	39896	9.92
MW-8S	108941	5.36	78946	8.42	42178	9.92
FIELD BLANK 01062022	109005	5.36	80398	8.42	40265	9.92
TRIP BLANK	111059	5.36	81766	8.42	41452	9.92
MW-3S MS	116634	5.36	86543	8.42	46805	9.92
MW-3S MSD	118838	5.36	89994	8.42	47669	9.92

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 06/19/18
Created By: Jason Hebert
File: PM5049-1
Page: 1

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.210	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.240	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.200	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.430	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.220	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,3,5-Trichlorobenzene	108-70-3	2	0.141	ug/l	70-130	20	70-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
Methyl Acetate	79-20-9	10	0.234	ug/l	70-130	20	70-130	20	20			
Ethyl Acetate	141-78-6	10	0.716	ug/l	70-130	20	70-130	20	20			
Isopropyl Ether	108-20-3	2	0.425	ug/l	70-130	20	70-130	20	20			
Cyclohexane	110-82-7	10	0.271	ug/l	70-130	20	70-130	20	20			
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.179	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 06/19/18
Created By: Jason Hebert
File: PM5049-1
Page: 3

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Tertiary-Amyl Methyl Ether	994-05-8	2	0.278	ug/l	66-130	20	66-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	10	0.148	ug/l	70-130	20	70-130	20	20			
Methyl cyclohexane	108-87-2	10	0.396	ug/l	70-130	20	70-130	20	20			
1,4-Diethylbenzene	105-05-5	2	0.392	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.340	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 06/19/18
Created By: Jason Hebert
File: PM5047-1
Page: 1

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.140	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.230	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.140	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.560	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.81	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	2	0.173	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.650	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	100	100	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	4	0.950	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	10	1.21	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	2	0.213	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	10	0.544	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.128	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	2	0.176	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	100	35.1	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	4	0.693	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 06/19/18
Created By: Jason Hebert
File: PM5048-1
Page: 1

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	250	115	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	50	7.25	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	75	7.00	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	50	11.5	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	50	6.25	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	50	7.00	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	50	13.4	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	25	9.80	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	25	6.35	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	200	34.8	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	50	12.9	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	25	8.35	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	25	5.45	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	50	13.7	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	25	7.90	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	25	7.95	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	200	12.3	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	25	8.30	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	25	8.30	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	50	27.2	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	50	7.05	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	200	46.6	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	100	29.1	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	50	16.8	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	100	22.6	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	50	11.9	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	75	6.85	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	25	6.85	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	100	7.20	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	100	7.40	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	100	8.55	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	100	10.1	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	100	28.0	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	50	14.6	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	50	8.75	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
Dibromomethane	74-95-3	100	11.9	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	500	11.3	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	100	6.35	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	50	9.80	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	500	45.8	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	500	241	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	500	228	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	500	111	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	500	108	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	500	64.0	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	500	59.0	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	500	79.0	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	200	57.5	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	100	10.3	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	200	79.5	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	100	10.1	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	50	14.0	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	100	8.35	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	25	6.60	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	100	7.25	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	50	8.35	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	50	7.30	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	100	5.90	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	100	8.65	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	100	9.55	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	100	5.40	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	150	49.9	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	200	8.45	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	50	5.45	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	50	5.45	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	200	32.5	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	50	8.55	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	100	16.1	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	100	13.6	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	100	9.65	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	100	16.7	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	250	71.0	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	5000	5000	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	100	17.1	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	200	47.5	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	500	60.5	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	100	10.7	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	500	27.2	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	100	6.40	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	100	8.80	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	5000	1755	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	200	34.7	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-01	**Date Collected**	: 01/06/22 12:10
Client ID	: MW-2S	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 14:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A12	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.72	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	3.6	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.88	1.0	0.07	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-01	**Date Collected**	: 01/06/22 12:10
Client ID	: MW-2S	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 14:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A12	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	1.2	2.5	0.70	J
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	91	2.5	0.70	
79-01-6	Trichloroethene	7.4	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	56	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	150	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-01	**Date Collected**	: 01/06/22 12:10
Client ID	: MW-2S	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 14:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A12	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-01	**Date Collected**	: 01/06/22 12:10
Client ID	: MW-2S	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 14:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A12	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-02	**Date Collected**	: 01/06/22 13:00
Client ID	: MW-2D	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 14:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A13	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	3.3	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-02	**Date Collected**	: 01/06/22 13:00
Client ID	: MW-2D	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 14:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A13	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	1.9	2.5	0.70	J
79-01-6	Trichloroethene	1.3	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	1.9	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-02	Date Collected	: 01/06/22 13:00
Client ID	: MW-2D	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 14:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A13	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-02	**Date Collected**	: 01/06/22 13:00
Client ID	: MW-2D	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 14:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A13	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-03	Date Collected	: 01/06/22 10:20
Client ID	: MW-3S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A14	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.76	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	2.5	2.5	0.70	
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	6.9	1.0	0.07	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-03	**Date Collected**	: 01/06/22 10:20
Client ID	: MW-3S	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 15:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A14	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	150	2.5	0.70	
79-01-6	Trichloroethene	1.8	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	0.70	2.5	0.70	J
1330-20-7	Xylenes, Total	0.70	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	84	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	230	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-03	Date Collected	: 01/06/22 10:20
Client ID	: MW-3S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 15:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A14	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	1.2	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-03	**Date Collected**	: 01/06/22 10:20
Client ID	: MW-3S	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 15:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A14	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-04	**Date Collected**	: 01/06/22 10:35
Client ID	: MW-3S-DUP	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 15:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A15	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.69	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	2.1	2.5	0.70	J
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	6.4	1.0	0.07	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-04	**Date Collected**	: 01/06/22 10:35
Client ID	: MW-3S-DUP	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 15:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A15	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	140	2.5	0.70	
79-01-6	Trichloroethene	1.6	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	0.71	2.5	0.70	J
1330-20-7	Xylenes, Total	0.71	2.5	0.70	J
156-59-2	cis-1,2-Dichloroethene	80	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	220	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-04	**Date Collected**	: 01/06/22 10:35
Client ID	: MW-3S-DUP	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 15:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A15	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	1.1	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-04	**Date Collected**	: 01/06/22 10:35
Client ID	: MW-3S-DUP	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 15:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A15	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-05	**Date Collected**	: 01/06/22 14:50
Client ID	: MW-7S	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 15:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A16	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.26	0.50	0.16	J
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	0.92	2.5	0.70	J
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-05	**Date Collected**	: 01/06/22 14:50
Client ID	: MW-7S	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 15:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A16	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.94	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	0.92	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	0.92	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-05	**Date Collected**	: 01/06/22 14:50
Client ID	: MW-7S	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 15:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A16	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	1.1	2.5	0.70	J
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	1.6	2.5	0.70	J
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	1.6	2.5	0.70	J
103-65-1	n-Propylbenzene	0.76	2.5	0.70	J
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	0.79	2.0	0.54	J
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-05	**Date Collected**	: 01/06/22 14:50
Client ID	: MW-7S	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 15:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A16	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-06	**Date Collected**	: 01/06/22 16:00
Client ID	: MW-8S	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 16:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A17	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-06	**Date Collected**	: 01/06/22 16:00
Client ID	: MW-8S	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 16:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A17	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.23	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: L2200912-06	Date Collected	: 01/06/22 16:00
Client ID	: MW-8S	Date Received	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	Date Analyzed	: 01/13/22 16:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A17	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	13	2.5	0.70	
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-06	**Date Collected**	: 01/06/22 16:00
Client ID	: MW-8S	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 16:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A17	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-07	**Date Collected**	: 01/06/22 15:10
Client ID	: FIELD BLANK 01062022	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 16:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A18	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-07	**Date Collected**	: 01/06/22 15:10
Client ID	: FIELD BLANK 01062022	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 16:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A18	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-07	**Date Collected**	: 01/06/22 15:10
Client ID	: FIELD BLANK 01062022	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 16:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A18	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-07	**Date Collected**	: 01/06/22 15:10
Client ID	: FIELD BLANK 01062022	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 16:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A18	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-08	**Date Collected**	: 01/06/22 00:00
Client ID	: TRIP BLANK	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 16:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A19	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-08	**Date Collected**	: 01/06/22 00:00
Client ID	: TRIP BLANK	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 16:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A19	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-08	**Date Collected**	: 01/06/22 00:00
Client ID	: TRIP BLANK	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 16:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A19	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: L2200912-08	**Date Collected**	: 01/06/22 00:00
Client ID	: TRIP BLANK	**Date Received**	: 01/06/22
Sample Location	: 21-25 31ST STREET, QUEENS, NY	**Date Analyzed**	: 01/13/22 16:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A19	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: WG1594142-5	**Date Collected**	: NA
Client ID	: WG1594142-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 01/13/22 11:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: WG1594142-5	**Date Collected**	: NA
Client ID	: WG1594142-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 01/13/22 11:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	Lab Number	: L2200912
Project Name	: 21-25 31ST STREET	Project Number	: 21-25 31ST STREET
Lab ID	: WG1594142-5	Date Collected	: NA
Client ID	: WG1594142-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 01/13/22 11:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220113A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET
Lab ID	: WG1594142-5	**Date Collected**	: NA
Client ID	: WG1594142-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 01/13/22 11:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220113A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A12.D
Acq On : 13 Jan 2022 2:24 pm
Operator : ELAINE:PD
Sample : L2200912-01,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:41:18 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.359	96	106869	10.000	ug/L	0.00
Standard Area 1 = 117975			Recovery = 90.59%			
59) Chlorobenzene-d5	8.416	117	77829	10.000	ug/L	0.00
Standard Area 1 = 86573			Recovery = 89.90%			
79) 1,4-Dichlorobenzene-d4	9.919	152	39557	10.000	ug/L	0.00
Standard Area 1 = 45323			Recovery = 87.28%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.349	113	27034	10.782	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.82%			
43) 1,2-Dichloroethane-d4	5.008	65	29855	11.119	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.19%			
60) Toluene-d8	7.084	98	101015	9.794	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.94%			
83) 4-Bromofluorobenzene	9.248	95	32864	9.754	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.54%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.874	85	27	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	1.074	62	2029	0.883	ug/L	92
5) Bromomethane	1.338	94	88	N.D.		
6) Chloroethane	1.350	64	1837	1.184	ug/L	79
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	1.797	76	258	N.D.		
15) Methylene chloride	2.265	84	53	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	2.398	96	166168	91.411	ug/L	72
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	3.673	96	113964	56.469	ug/L #	66
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	4.107	83	2385	0.722	ug/L #	38

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A12.D
Acq On : 13 Jan 2022 2:24 pm
Operator : ELAINE:PD
Sample : L2200912-01,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:41:18 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D. d		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	4.830	78	110	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.553	95	14101	7.404	ug/L	95
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.131	92	181	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.498	166	6931	3.572	ug/L	91
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D. d		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.464	91	294	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.583	106	216	N.D.		
77) o Xylene	8.864	106	25	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	9.337	91	151	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	9.407	105	513	N.D.		
89) 2-Chlorotoluene	9.337	91	151	N.D.		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D. d		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	9.649	91	278	N.D.		
94) tert-Butylbenzene	9.649	119	297	N.D.		

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A12.D
Acq On : 13 Jan 2022 2:24 pm
Operator : ELAINE:PD
Sample : L2200912-01,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:41:18 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	9.693	105	635	0.095	ug/L	89
98) sec-Butylbenzene	9.757	105	1030	0.122	ug/L #	83
99) p-Isopropyltoluene	9.849	119	233	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
102) p-Diethylbenzene	0.000		0	N.D.		
103) n-Butylbenzene	10.122	91	26	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
105) 1,2,4,5-Tetramethylben...	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108) Hexachlorobutadiene	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
110) Naphthalene	11.185	128	282	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

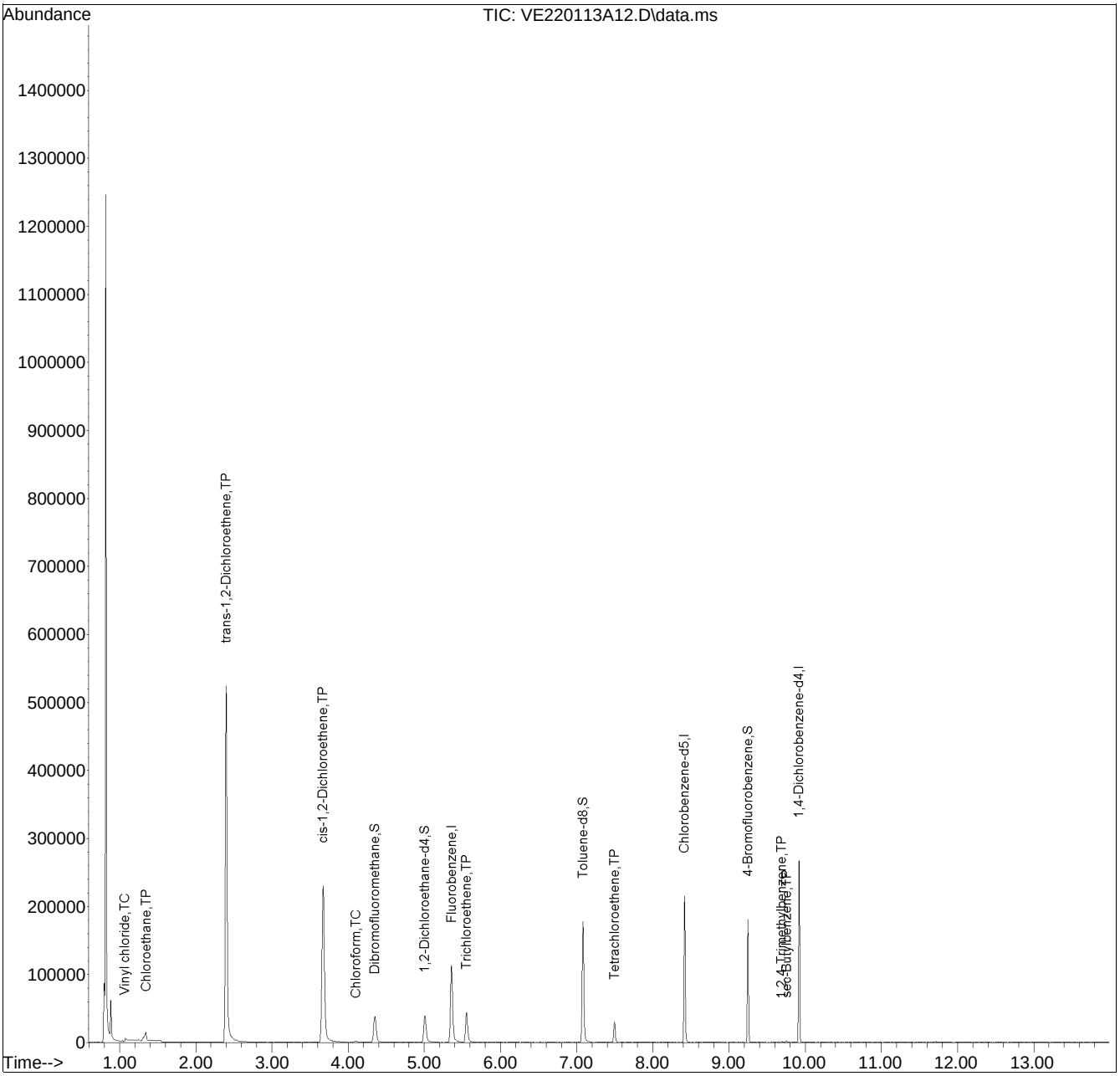
(#) = qualifier out of range (m) = manual integration (+) = signals summed

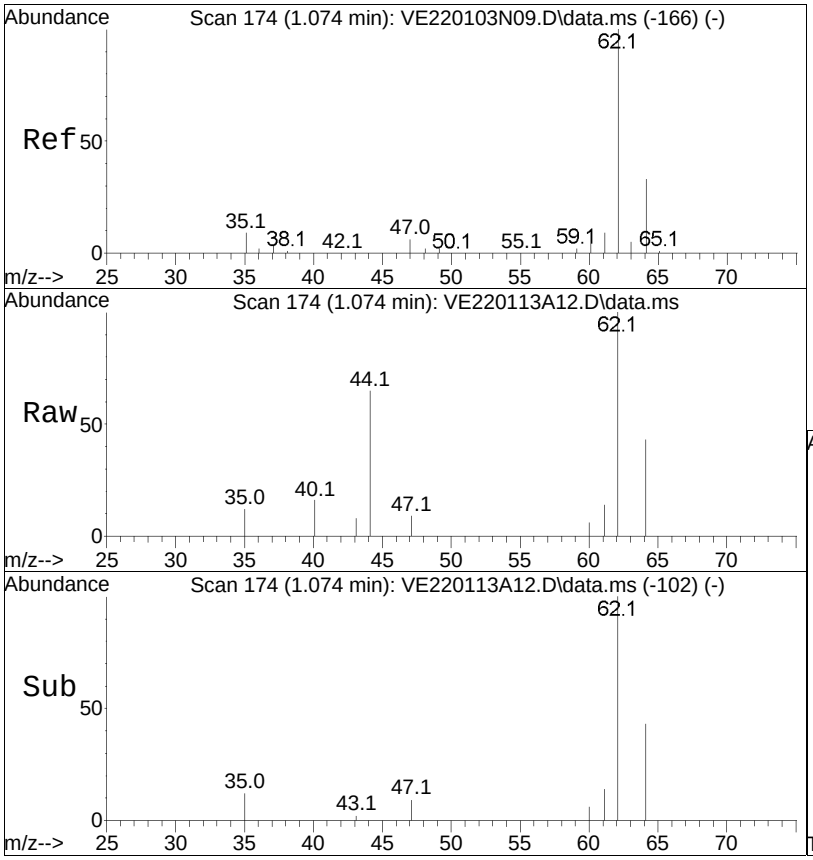
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A12.D
Acq On : 13 Jan 2022 2:24 pm
Operator : ELAINE:PD
Sample : L2200912-01,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:41:18 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20113A\VE220113A02.D•

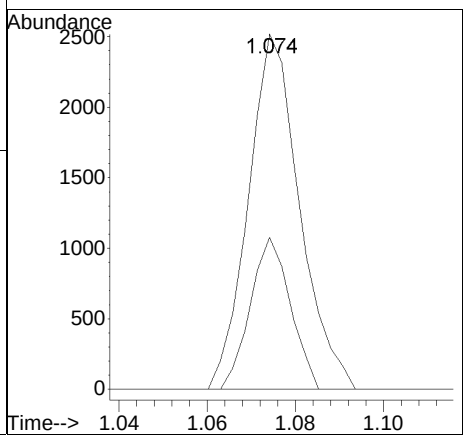


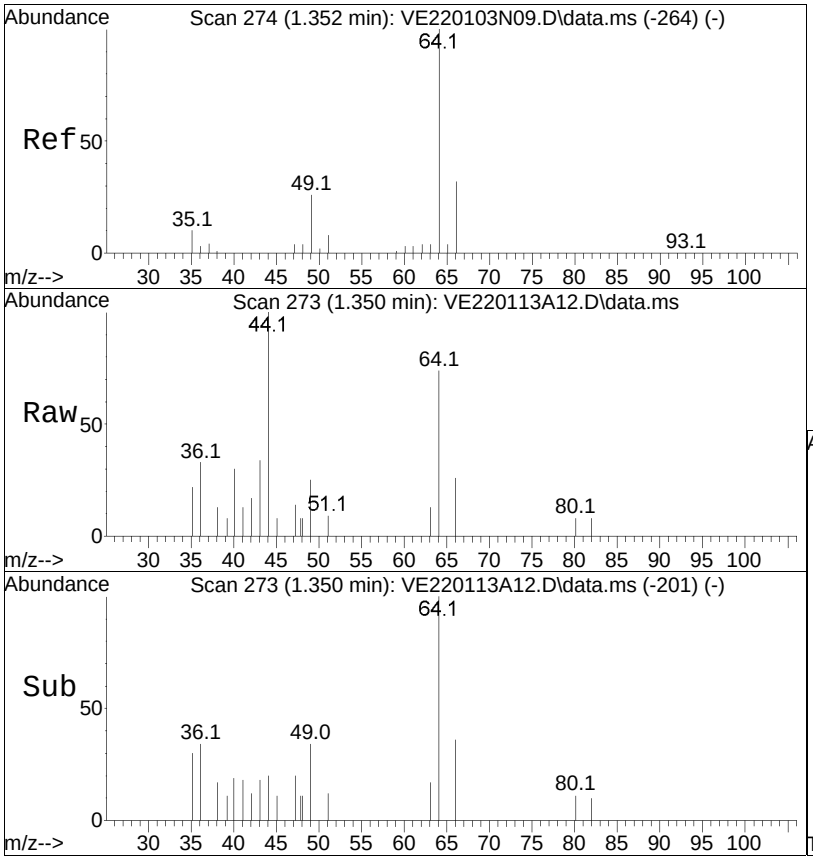


#4
Vinyl chloride
Concen: 0.88 ug/L
RT: 1.074 min Scan# 174
Delta R.T. 0.000 min
Lab File: VE220113A12.D
Acq: 13 Jan 2022 2:24 pm

Tgt Ion: 62 Resp: 2029

Ion	Ratio	Lower	Upper
62	100		
64	33.4	9.1	49.1

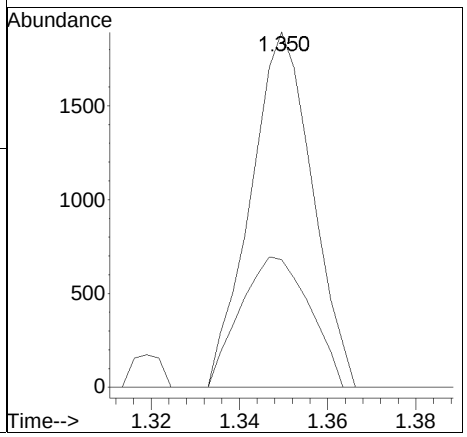


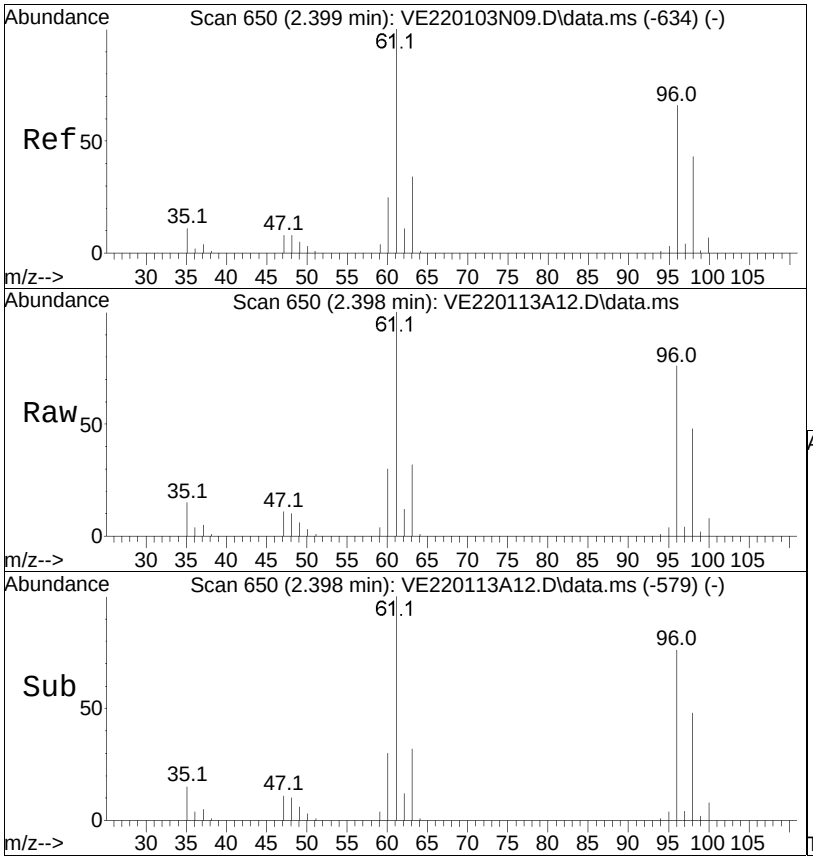


#6
Chloroethane
Concen: 1.18 ug/L
RT: 1.350 min Scan# 273
Delta R.T. -0.000 min
Lab File: VE220113A12.D
Acq: 13 Jan 2022 2:24 pm

Tgt Ion: 64 Resp: 1837

Ion	Ratio	Lower	Upper
64	100		
66	41.3	9.8	49.8

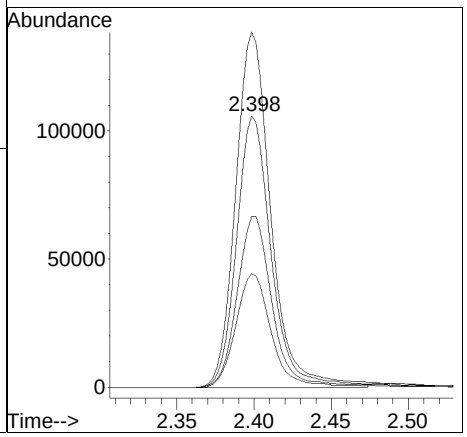


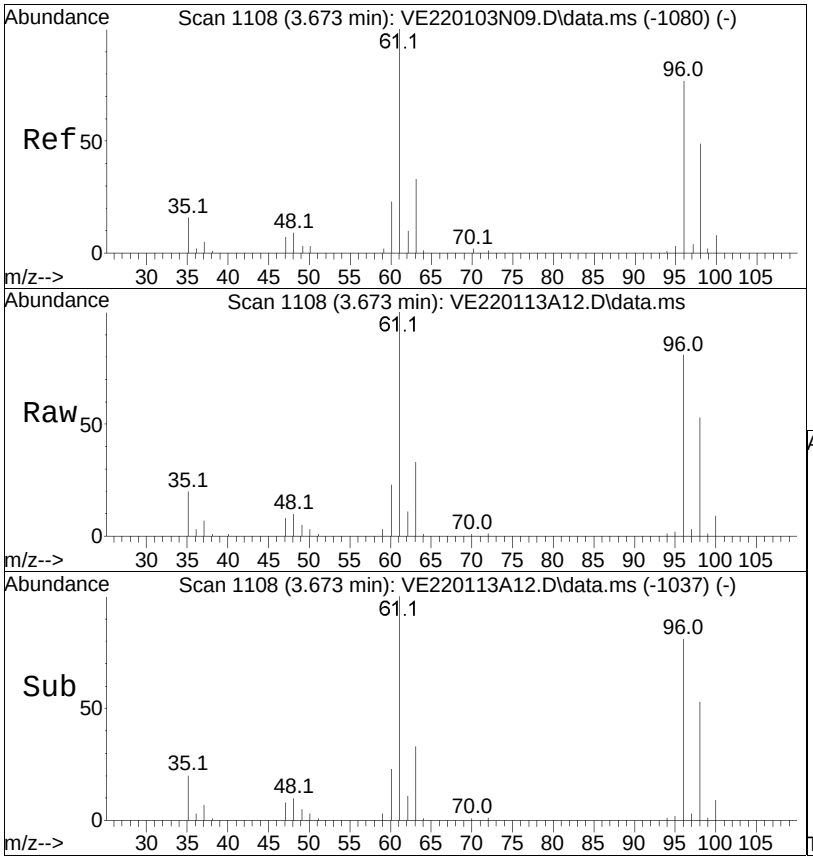


#18
trans-1,2-Dichloroethene
Concen: 91.41 ug/L
RT: 2.398 min Scan# 650
Delta R.T. -0.003 min
Lab File: VE220113A12.D
Acq: 13 Jan 2022 2:24 pm

Tgt Ion: 96 Resp: 166168

Ion	Ratio	Lower	Upper
96	100		
61	133.2	124.0	257.6
98	63.1	41.2	85.6
63	42.3	38.4	79.7

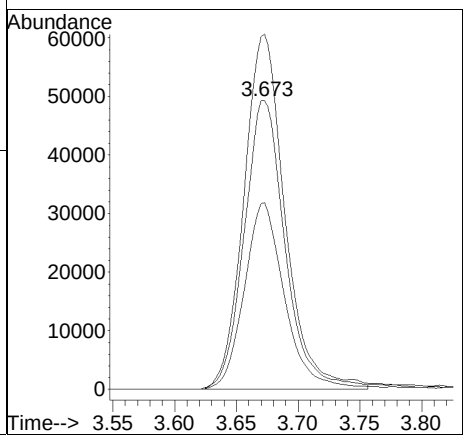


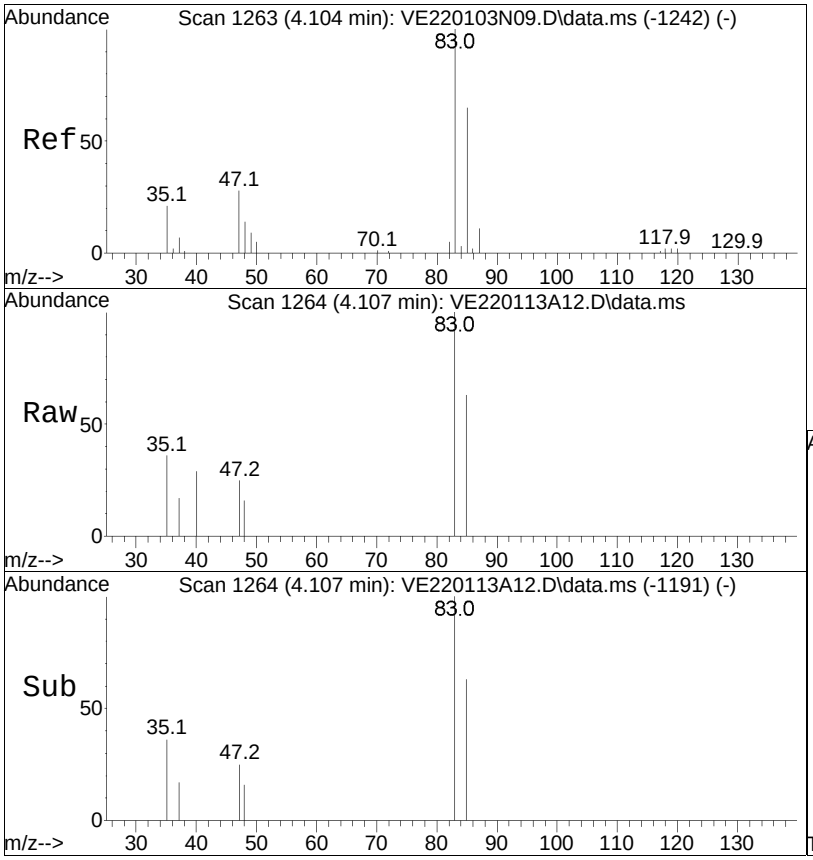


#28
cis-1,2-Dichloroethene
Concen: 56.47 ug/L
RT: 3.673 min Scan# 1108
Delta R.T. -0.003 min
Lab File: VE220113A12.D
Acq: 13 Jan 2022 2:24 pm

Tgt Ion: 96 Resp: 113964

Ion	Ratio	Lower	Upper
96	100		
61	122.1	149.4	224.2#
98	63.9	53.4	80.2

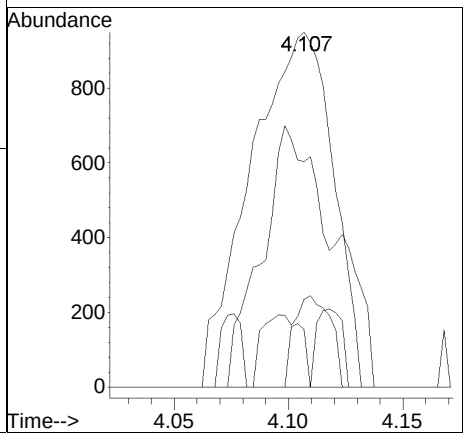


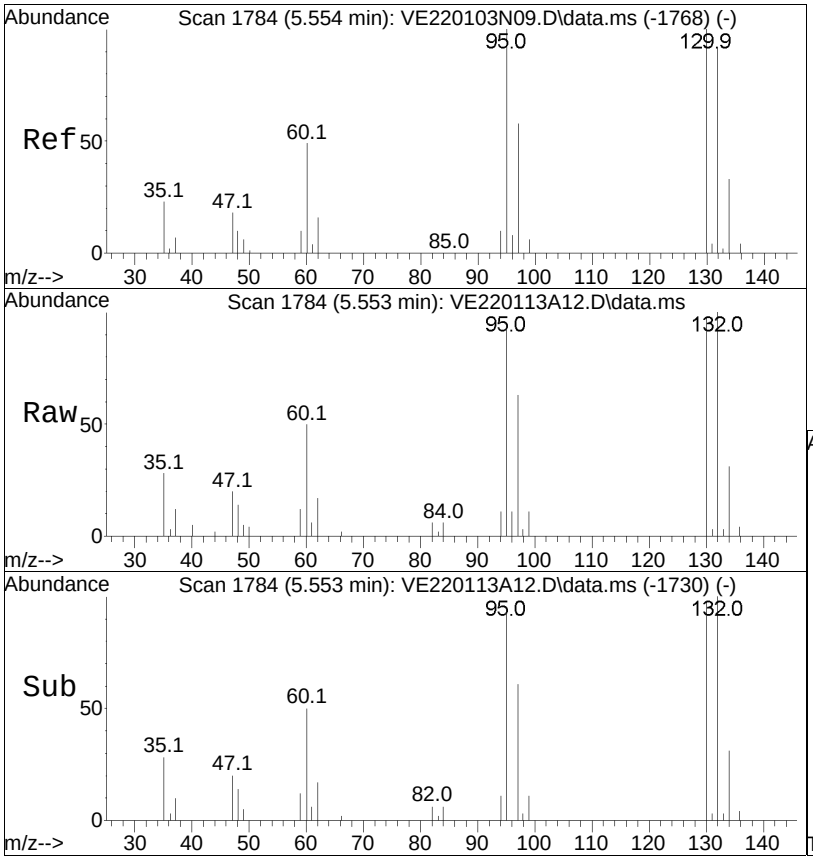


#32
Chloroform
Concen: 0.72 ug/L
RT: 4.107 min Scan# 1264
Delta R.T. 0.003 min
Lab File: VE220113A12.D
Acq: 13 Jan 2022 2:24 pm

Tgt Ion: 83 Resp: 2385

Ion	Ratio	Lower	Upper
83	100		
85	0.0	41.5	86.1#
47	10.1	19.0	39.4#
48	3.4	9.9	20.5#

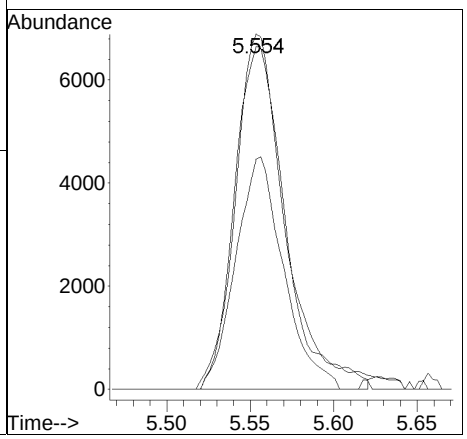


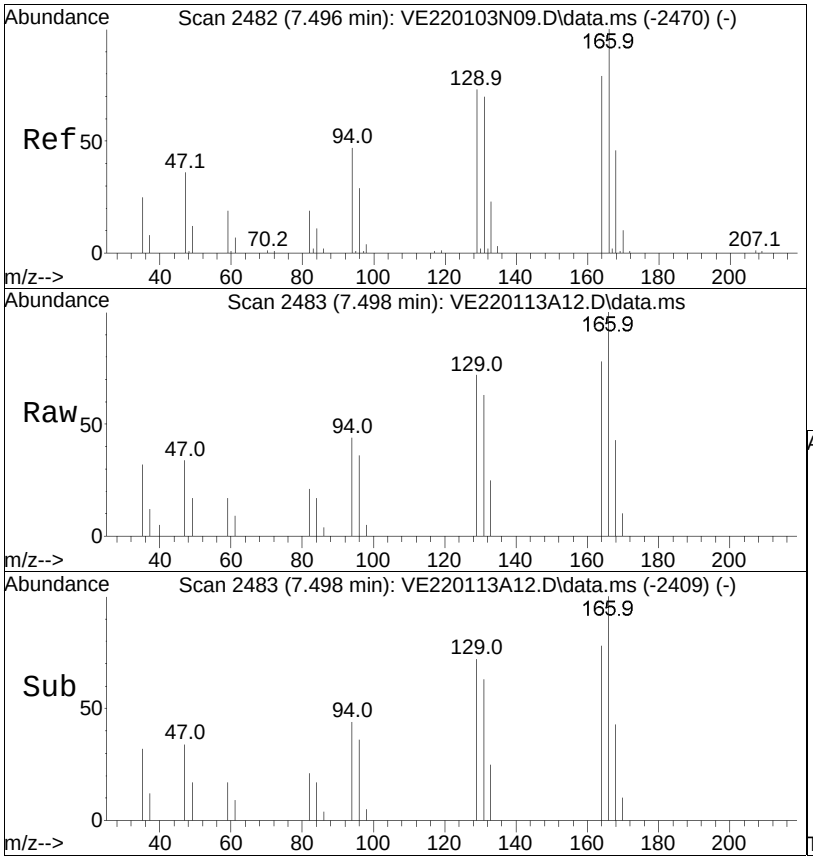


#48
Trichloroethene
Concen: 7.40 ug/L
RT: 5.553 min Scan# 1784
Delta R.T. -0.001 min
Lab File: VE220113A12.D
Acq: 13 Jan 2022 2:24 pm

Tgt Ion: 95 Resp: 14101

Ion	Ratio	Lower	Upper
95	100		
97	64.1	55.5	83.3
130	99.6	76.6	115.0

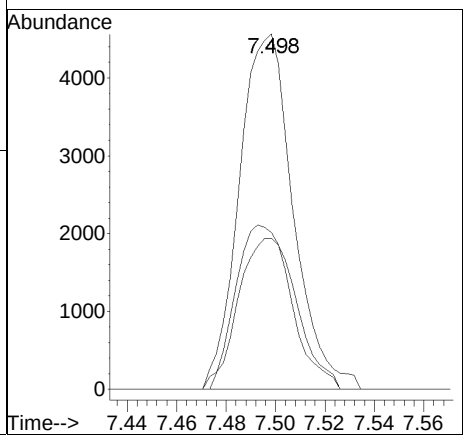


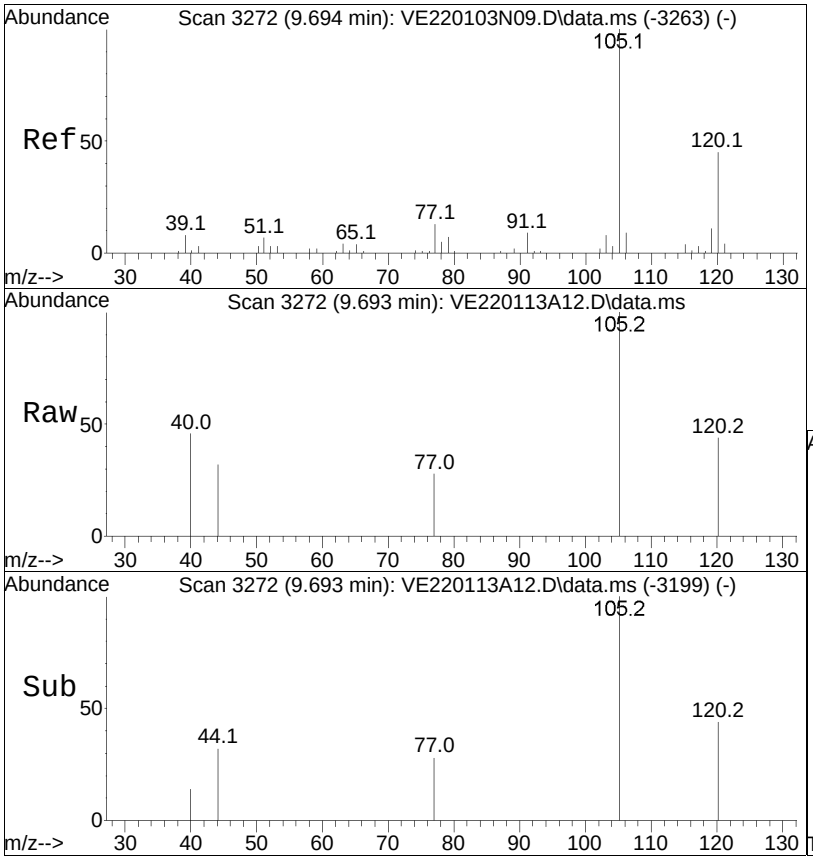


#63
Tetrachloroethene
Concen: 3.57 ug/L
RT: 7.498 min Scan# 2483
Delta R.T. 0.005 min
Lab File: VE220113A12.D
Acq: 13 Jan 2022 2:24 pm

Tgt Ion:166 Resp: 6931

Ion	Ratio	Lower	Upper
166	100		
168	46.2	28.2	68.2
94	47.4	38.4	78.4

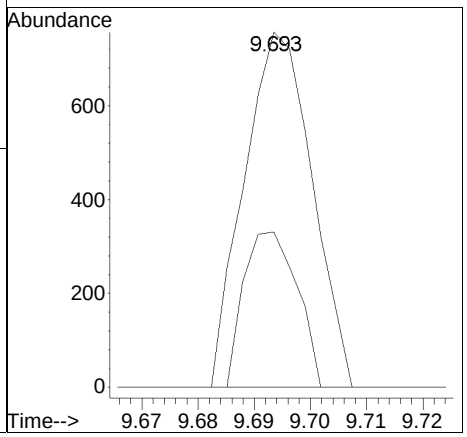


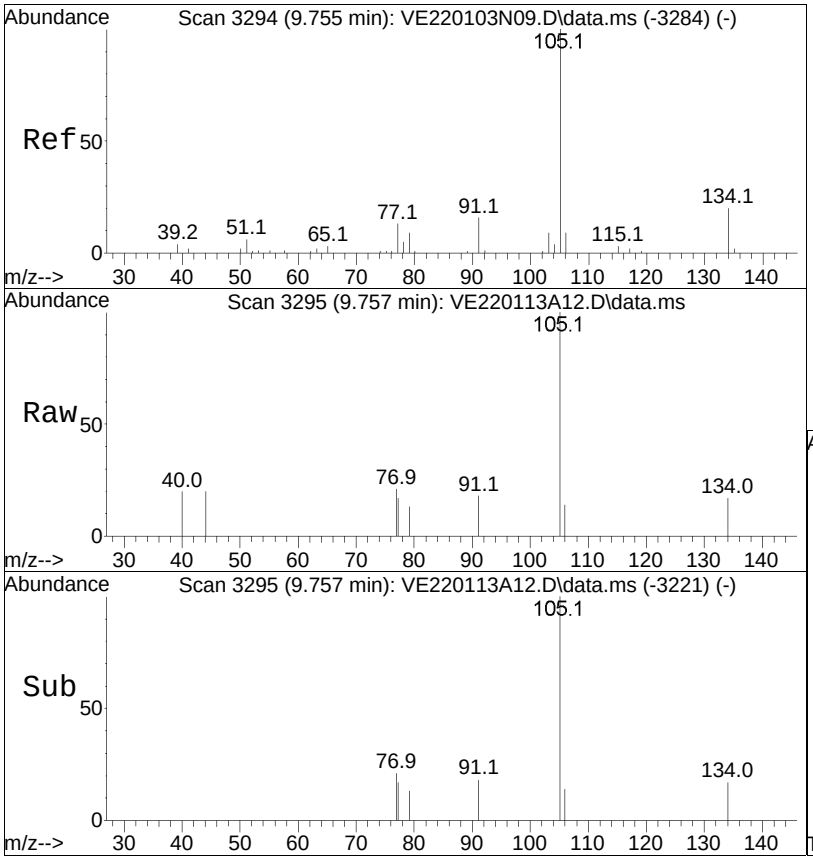


#97
1,2,4-Trimethylbenzene
Concen: 0.09 ug/L
RT: 9.693 min Scan# 3272
Delta R.T. 0.002 min
Lab File: VE220113A12.D
Acq: 13 Jan 2022 2:24 pm

Tgt Ion:105 Resp: 635

Ion	Ratio	Lower	Upper
105	100		
120	34.5	33.4	50.0

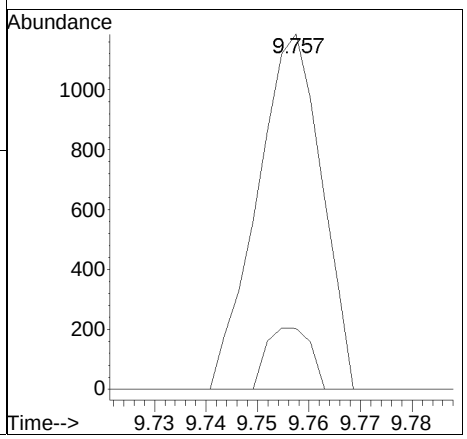




#98
sec-Butylbenzene
Concen: 0.12 ug/L
RT: 9.757 min Scan# 3295
Delta R.T. 0.005 min
Lab File: VE220113A12.D
Acq: 13 Jan 2022 2:24 pm

Tgt Ion:105 Resp: 1030

Ion	Ratio	Lower	Upper
105	100		
134	11.7	12.5	26.1#



Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220113A12.D
Date Inj'd : 1/13/2022 2:24 pm
Sample : L2200912-01,31,10,10,,A,PR
Method : Elaine_220103N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 1/14/2022 12:00 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A13.D
Acq On : 13 Jan 2022 2:44 pm
Operator : ELAINE:PD
Sample : L2200912-02,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:41:48 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.359	96	110085	10.000 ug/L	0.00
Standard Area 1 = 117975			Recovery = 93.31%		
59) Chlorobenzene-d5	8.416	117	81908	10.000 ug/L	0.00
Standard Area 1 = 86573			Recovery = 94.61%		
79) 1,4-Dichlorobenzene-d4	9.919	152	41189	10.000 ug/L	0.00
Standard Area 1 = 45323			Recovery = 90.88%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.354	113	27327	10.580 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.80%		
43) 1,2-Dichloroethane-d4	5.011	65	29597	10.701 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.01%		
60) Toluene-d8	7.084	98	106829	9.842 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.42%		
83) 4-Bromofluorobenzene	9.248	95	34009	9.694 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.94%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.799	85	157	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	0.000		0	N.D. d	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	1.347	64	26	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	1.803	76	195	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	2.401	96	3634	1.941 ug/L #	65
20) Methyl tert-butyl ether	2.532	73	87	N.D.	
23) 1,1-Dichloroethane	3.013	63	82	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	3.464	43	67	N.D.	
28) cis-1,2-Dichloroethene	3.670	96	961M1	0.462 ug/L	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	4.096	83	1440M1	0.423 ug/L	

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A13.D
Acq On : 13 Jan 2022 2:44 pm
Operator : ELAINE:PD
Sample : L2200912-02,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:41:48 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.551	95	2563	1.306	ug/L	98
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.131	92	153	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.498	166	6666	3.264	ug/L	89
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D. d		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.466	91	121	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.578	106	172	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.245	105	26	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	9.337	91	142	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	9.410	105	98	N.D.		
89) 2-Chlorotoluene	9.337	91	142	N.D.		
90) 1,3,5-Trimethylbenzene	9.468	105	50	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	9.337	91	142	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A13.D
Acq On : 13 Jan 2022 2:44 pm
Operator : ELAINE:PD
Sample : L2200912-02,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:41:48 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	9.696	105	331	N.D.		
98) sec-Butylbenzene	9.755	105	103	N.D.		
99) p-Isopropyltoluene	9.844	119	316	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
102) p-Diethylbenzene	0.000		0	N.D.		
103) n-Butylbenzene	9.919	91	124	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
105) 1,2,4,5-Tetramethylben...	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
108) Hexachlorobutadiene	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
110) Naphthalene	11.179	128	91	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

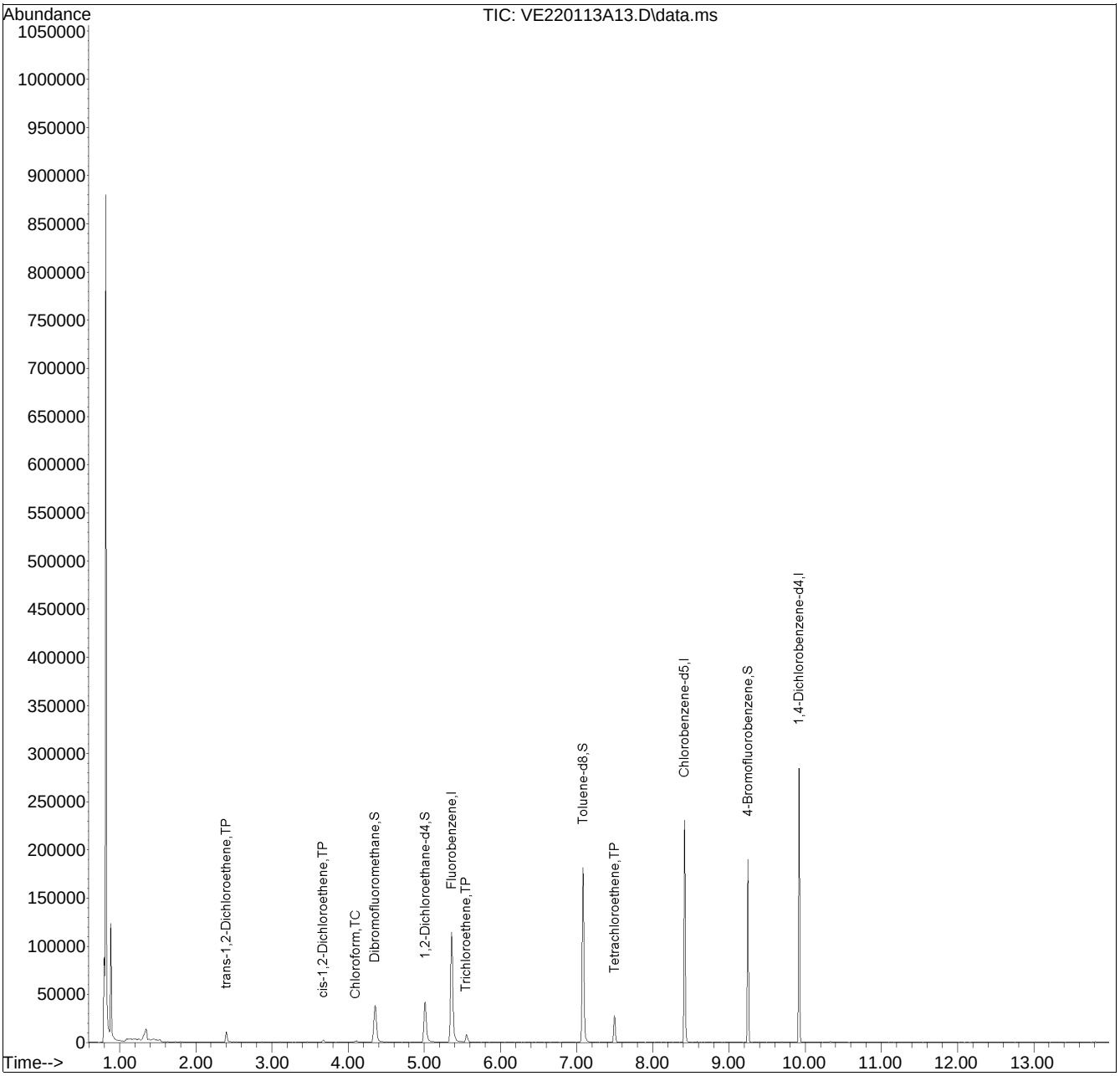
(#) = qualifier out of range (m) = manual integration (+) = signals summed

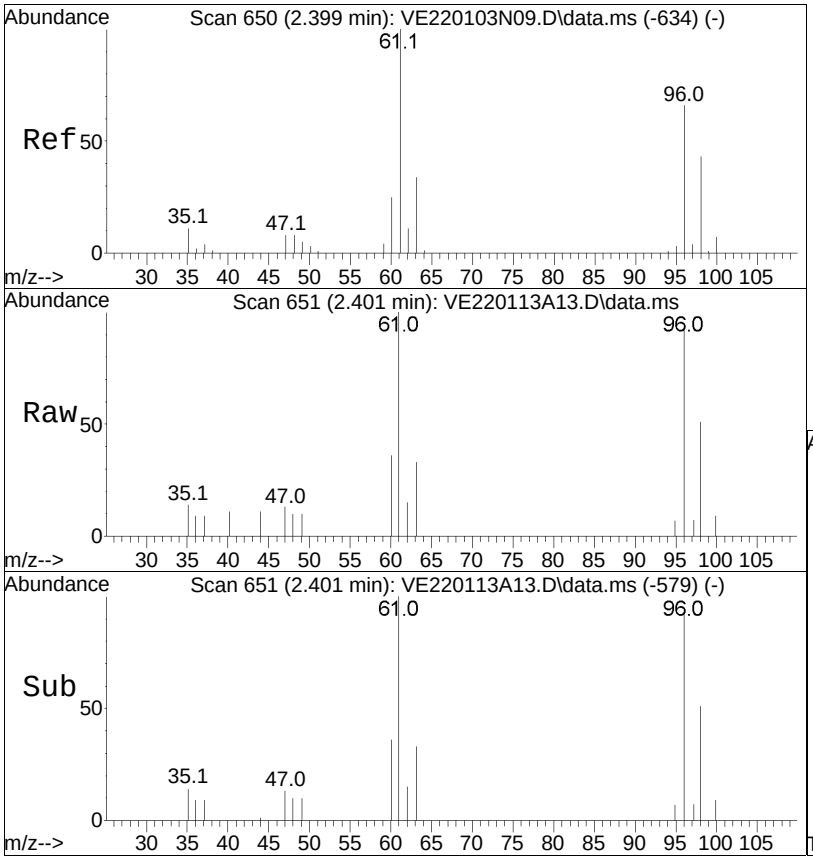
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A13.D
Acq On : 13 Jan 2022 2:44 pm
Operator : ELAINE:PD
Sample : L2200912-02,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:41:48 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20113A\VE220113A02.D•

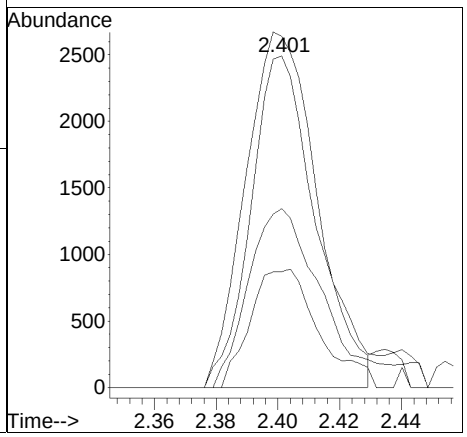


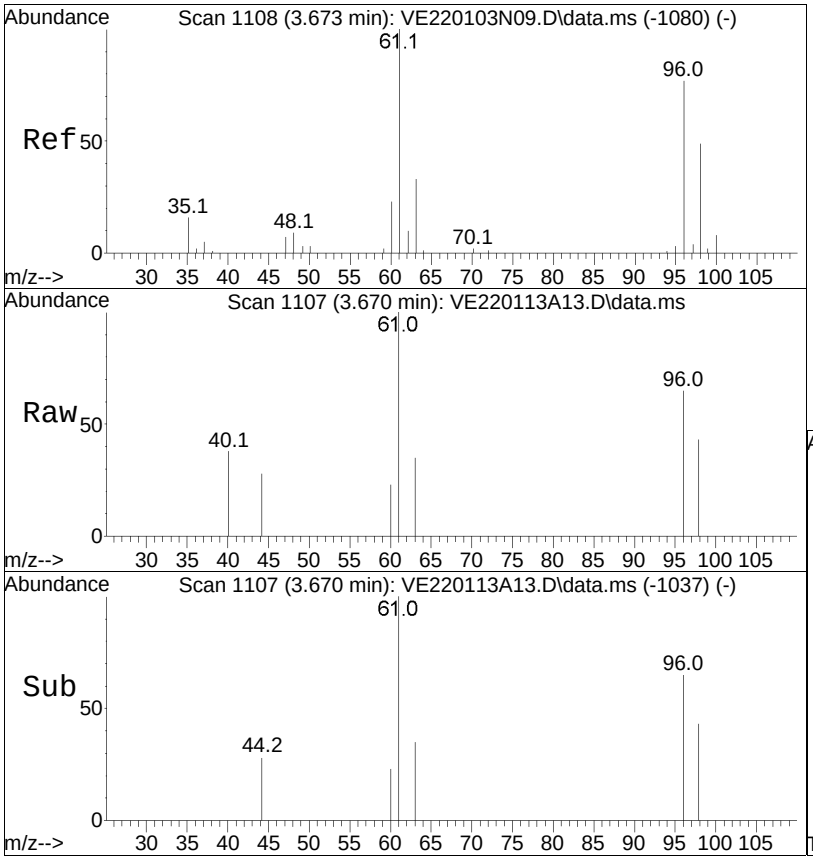


#18
trans-1,2-Dichloroethene
Concen: 1.94 ug/L
RT: 2.401 min Scan# 651
Delta R.T. 0.000 min
Lab File: VE220113A13.D
Acq: 13 Jan 2022 2:44 pm

Tgt Ion: 96 Resp: 3634

Ion	Ratio	Lower	Upper
96	100		
61	120.3	124.0	257.6#
98	61.5	41.2	85.6
63	37.5	38.4	79.7#

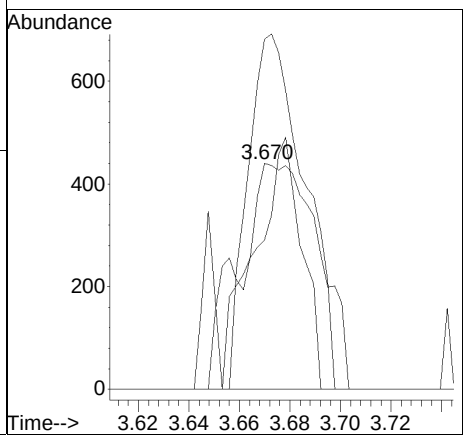


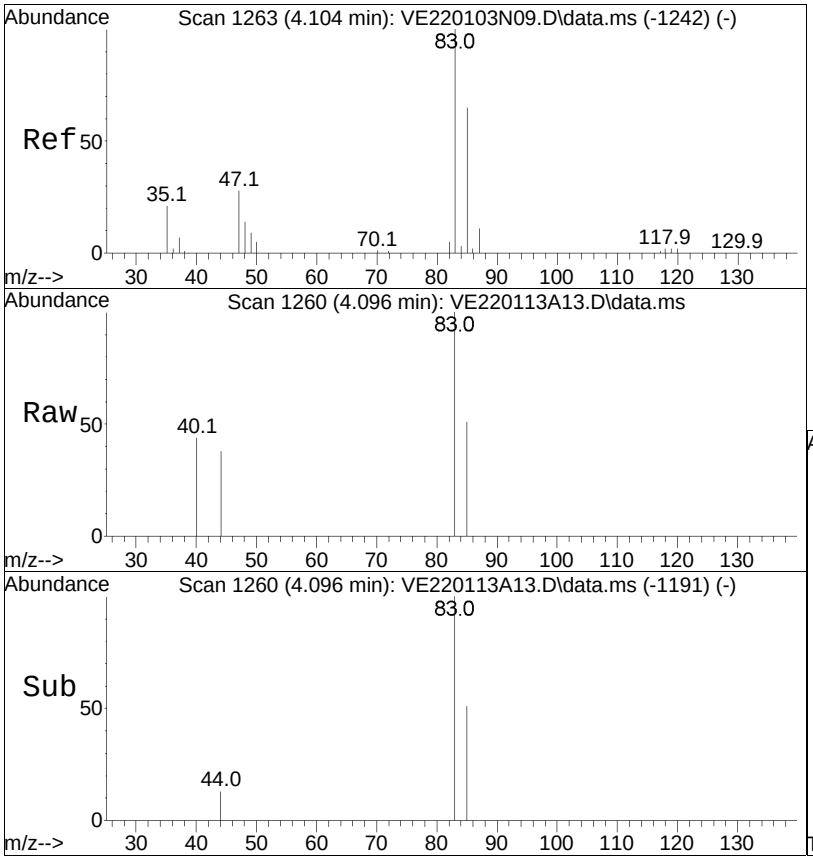


#28
cis-1,2-Dichloroethene
Concen: 0.46 ug/L M1
RT: 3.670 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VE220113A13.D
Acq: 13 Jan 2022 2:44 pm

Tgt Ion: 96 Resp: 961

Ion	Ratio	Lower	Upper
96	100		
61	112.0	149.4	224.2#
98	66.6	53.4	80.2

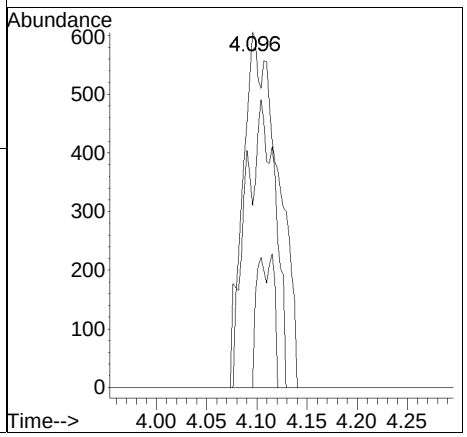


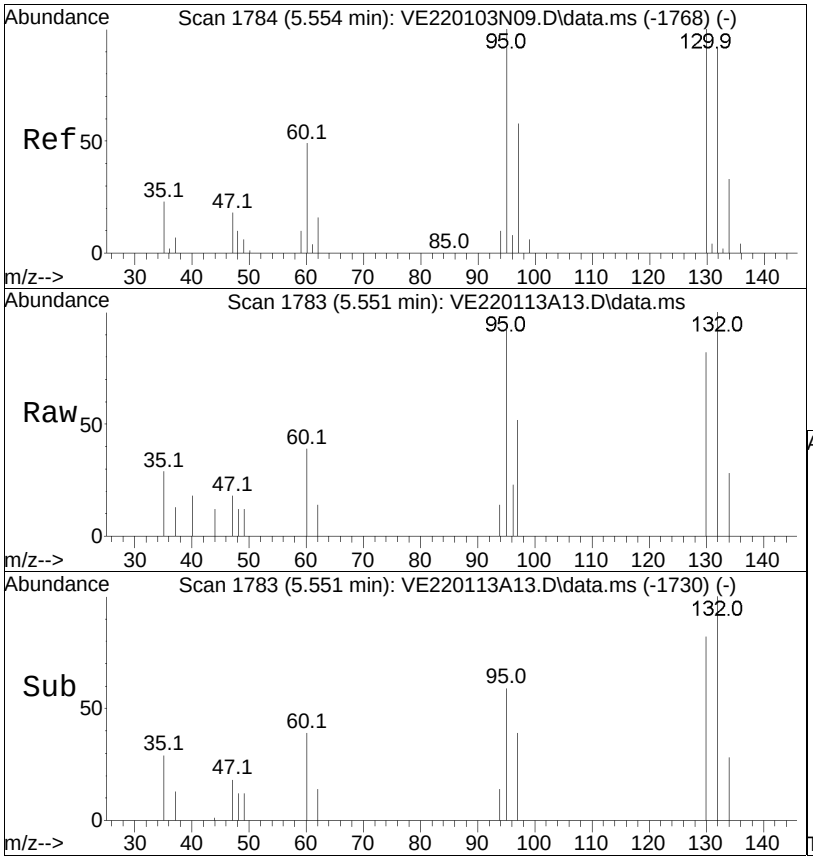


#32
Chloroform
Concen: 0.42 ug/L M1
RT: 4.096 min Scan# 1260
Delta R.T. -0.008 min
Lab File: VE220113A13.D
Acq: 13 Jan 2022 2:44 pm

Tgt Ion: 83 Resp: 1440

Ion	Ratio	Lower	Upper
83	100		
85	24.9	41.5	86.1#
47	0.0	19.0	39.4#
48	0.0	9.9	20.5#

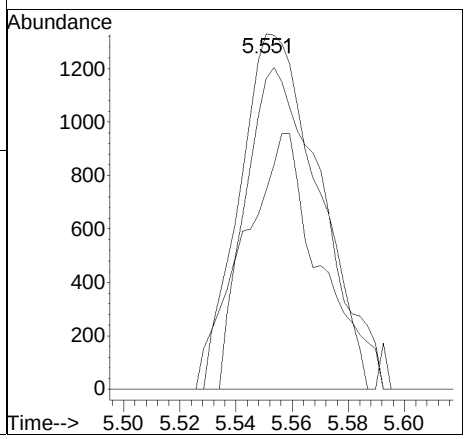


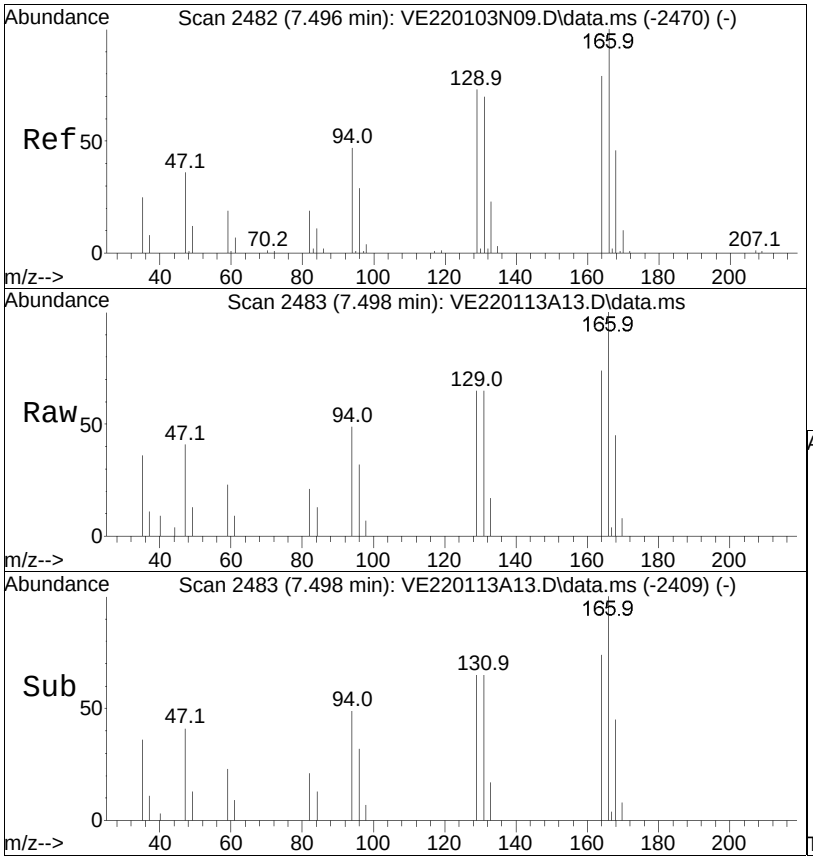


#48
Trichloroethene
Concen: 1.31 ug/L
RT: 5.551 min Scan# 1783
Delta R.T. -0.003 min
Lab File: VE220113A13.D
Acq: 13 Jan 2022 2:44 pm

Tgt Ion: 95 Resp: 2563

Ion	Ratio	Lower	Upper
95	100		
97	66.5	55.5	83.3
130	95.2	76.6	115.0

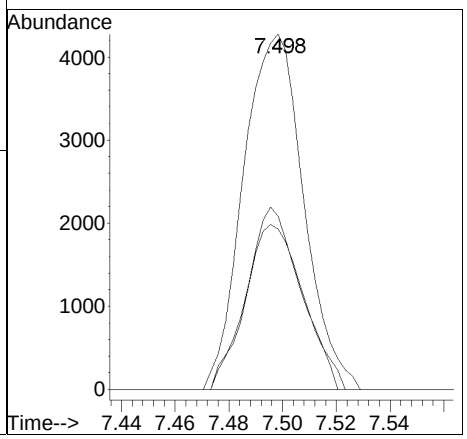




#63
Tetrachloroethene
Concen: 3.26 ug/L
RT: 7.498 min Scan# 2483
Delta R.T. 0.005 min
Lab File: VE220113A13.D
Acq: 13 Jan 2022 2:44 pm

Tgt Ion:166 Resp: 6666

Ion	Ratio	Lower	Upper
166	100		
168	45.2	28.2	68.2
94	45.9	38.4	78.4

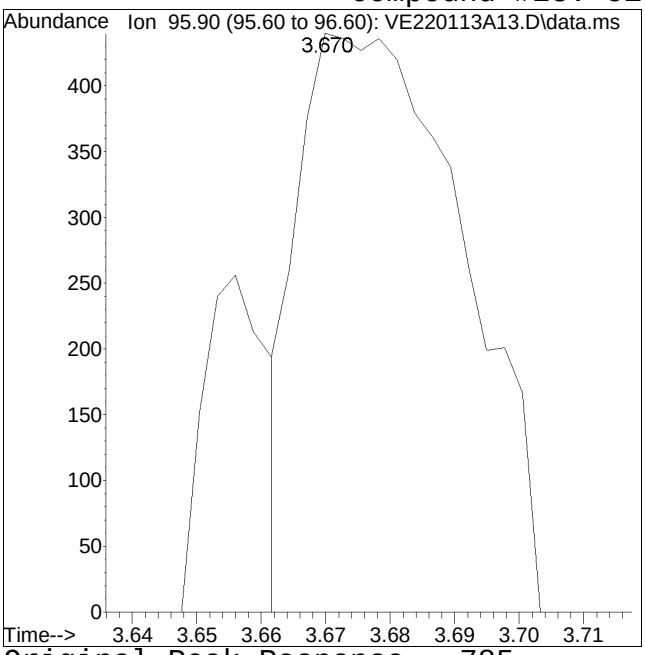


Manual Integration Report

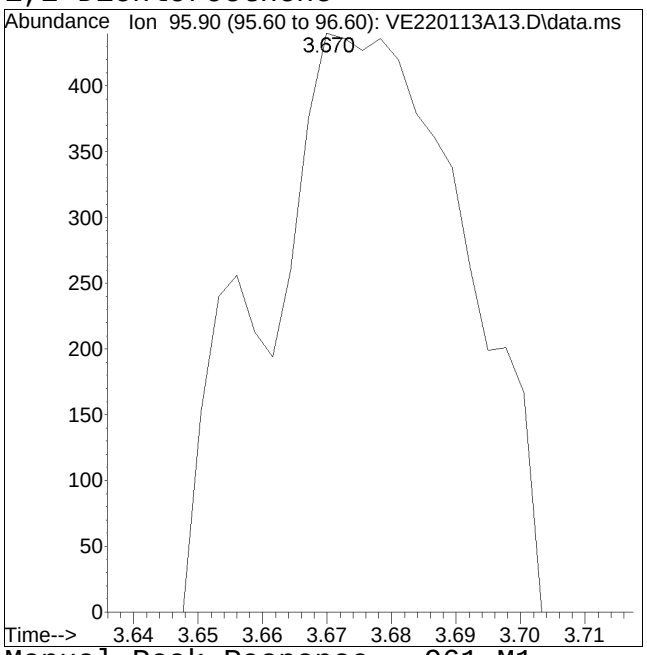
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220113A13.D
Date Inj'd : 1/13/2022 2:44 pm
Sample : L2200912-02,31,10,10,,A,PR

Method : Elaine_220103N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 1/14/2022 12:00 pm

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 785



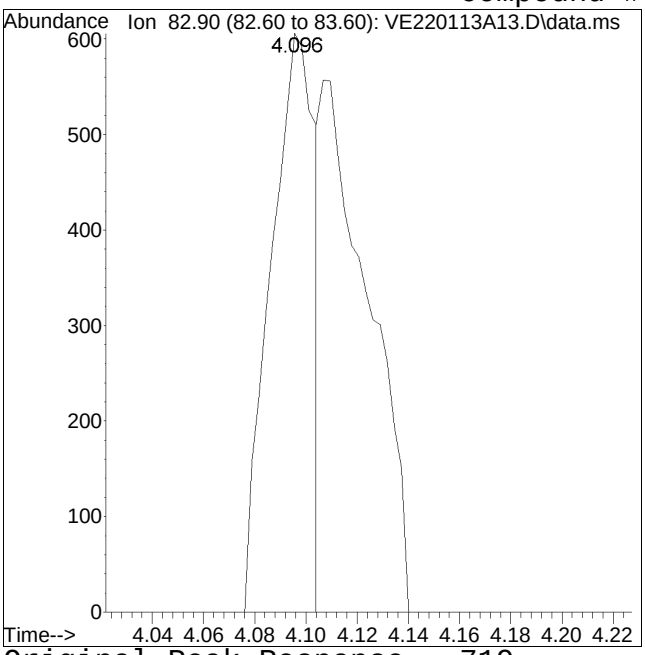
Manual Peak Response = 961 M1

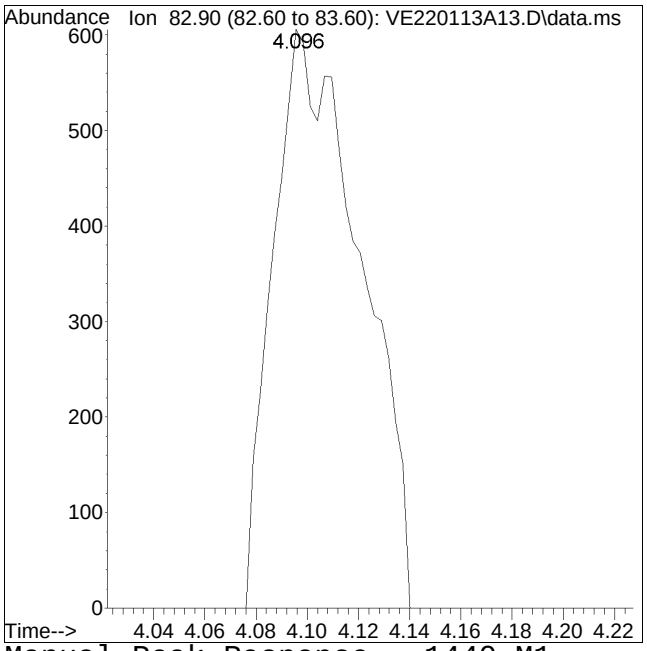
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220113A13.D Operator : ELAINE:PD
Date Inj'd : 1/13/2022 2:44 pm Instrument : Elaine
Sample : L2200912-02,31,10,10,,A,PRQuant Date : 1/14/2022 12:00 pm

Compound #32: Chloroform





Original Peak Response = 719 Manual Peak Response = 1440 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A14.D
Acq On : 13 Jan 2022 3:04 pm
Operator : ELAINE:PD
Sample : L2200912-03,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:43:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.356	96	103158	10.000	ug/L	0.00
Standard Area 1 = 117975			Recovery = 87.44%			
59) Chlorobenzene-d5	8.416	117	75842	10.000	ug/L	0.00
Standard Area 1 = 86573			Recovery = 87.60%			
79) 1,4-Dichlorobenzene-d4	9.919	152	39194	10.000	ug/L	0.00
Standard Area 1 = 45323			Recovery = 86.48%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.354	113	26072	10.772	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.72%			
43) 1,2-Dichloroethane-d4	5.008	65	28755	11.094	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.94%			
60) Toluene-d8	7.081	98	102038	10.152	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.52%			
83) 4-Bromofluorobenzene	9.248	95	32818	9.830	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	1.074	62	15337	6.918	ug/L	97
5) Bromomethane	1.305	94	57	N.D.		
6) Chloroethane	1.350	64	626	0.418	ug/L #	56
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	1.797	76	59	N.D.		
15) Methylene chloride	0.000		0	N.D.	d	
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	2.401	96	268767	153.171	ug/L	73
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	3.230	43	56	N.D.		
28) cis-1,2-Dichloroethene	3.673	96	163110	83.728	ug/L #	67
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	4.112	83	269	0.084	ug/L #	61

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A14.D
Acq On : 13 Jan 2022 3:04 pm
Operator : ELAINE:PD
Sample : L2200912-03,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:43:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	4.825	78	26	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.556	95	3290M1	1.790	ug/L	
50) Dibromomethane	5.929	93	26	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.134	92	422	0.091	ug/L	78
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.495	166	1427	0.755	ug/L	86
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D. d		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D. d		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.469	91	22421	2.538	ug/L	99
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.575	106	461	0.135	ug/L	77
77) o Xylene	8.864	106	2268	0.703	ug/L	97
78) Styrene	9.076	104	362	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.076	105	9856	1.216	ug/L	94
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	9.337	91	2170	0.231	ug/L	94
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	0.000		0	N.D. d		
89) 2-Chlorotoluene	0.000		0	N.D. d		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D. d		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D. d		
93) 4-Chlorotoluene	9.588	91	62	N.D.		
94) tert-Butylbenzene	9.652	119	846	0.149	ug/L #	89

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A14.D
Acq On : 13 Jan 2022 3:04 pm
Operator : ELAINE:PD
Sample : L2200912-03,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:43:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.693	105	2662	0.402	ug/L #	76
98)	sec-Butylbenzene	9.755	105	5281	0.632	ug/L	96
99)	p-Isopropyltoluene	9.844	119	1801	0.255	ug/L	95
100)	1,3-Dichlorobenzene	0.000		0	N.D.		
101)	1,4-Dichlorobenzene	0.000		0	N.D.		
102)	p-Diethylbenzene	10.055	119	847M3	0.203	ug/L	
103)	n-Butylbenzene	10.089	91	298	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	10.511	119	964	0.152	ug/L #	60
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	11.032	180	56	N.D.		
110)	Naphthalene	11.176	128	1883M6	0.452	ug/L	
111)	1,2,3-Trichlorobenzene	11.282	180	27	N.D.		

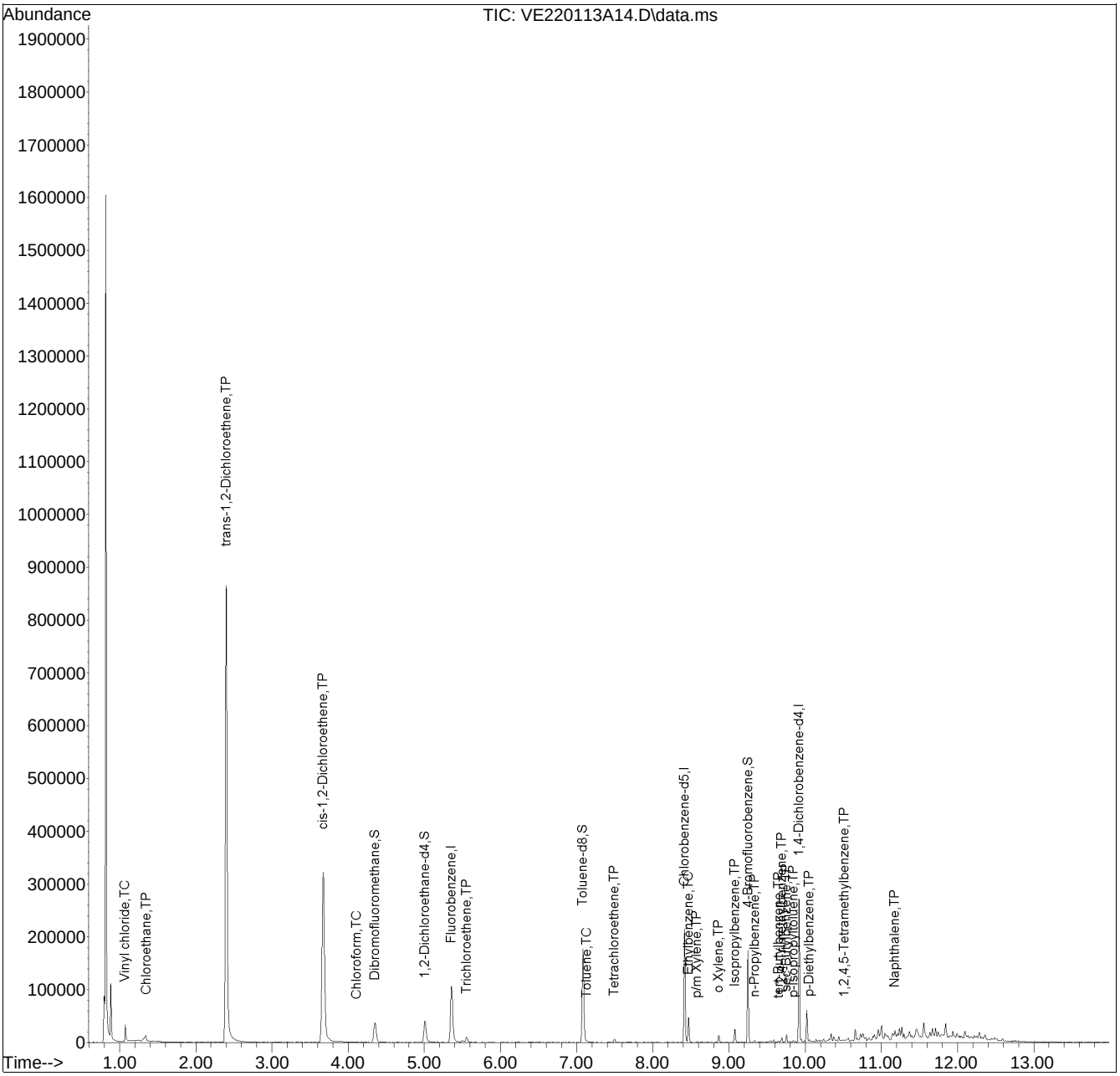
(#) = qualifier out of range (m) = manual integration (+) = signals summed

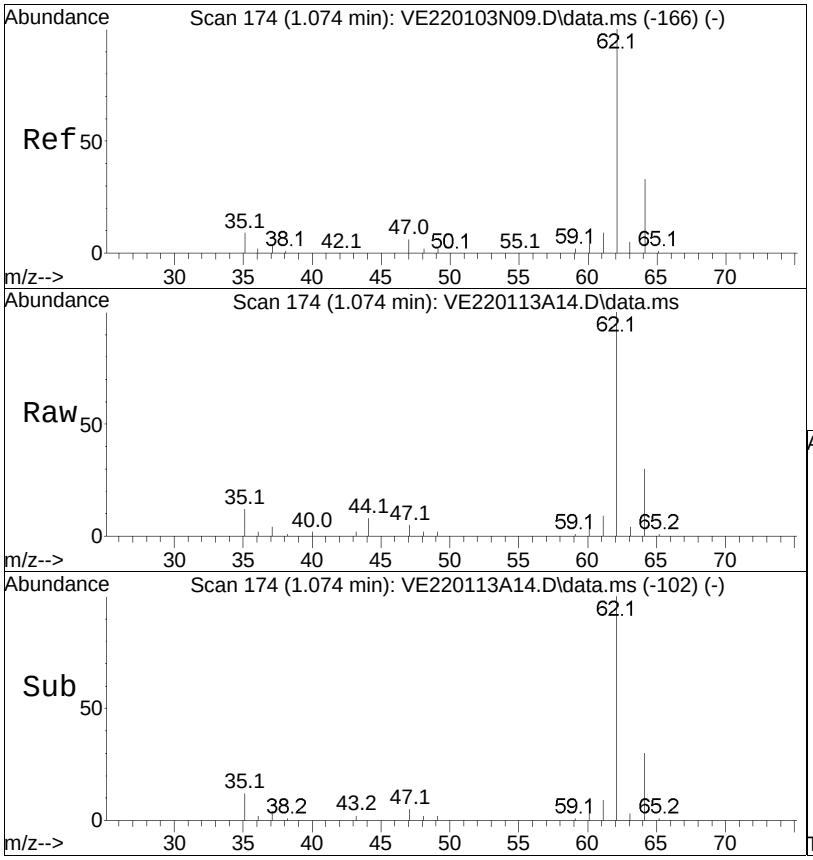
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A14.D
Acq On : 13 Jan 2022 3:04 pm
Operator : ELAINE:PD
Sample : L2200912-03,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:43:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20113A\VE220113A02.D•

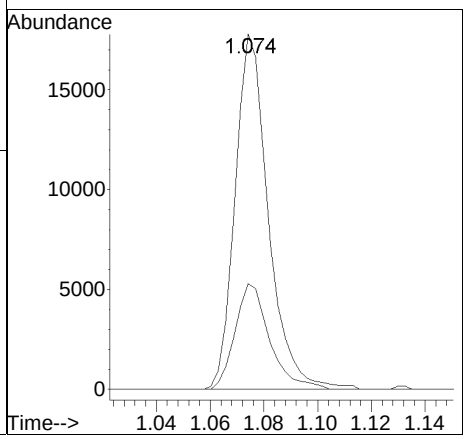


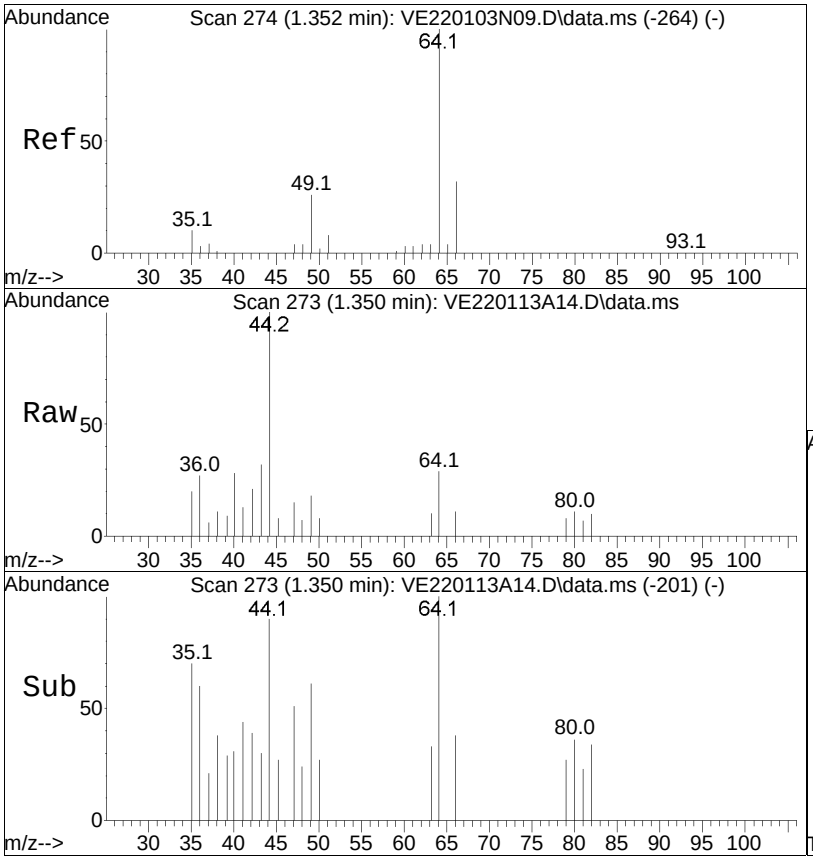


#4
Vinyl chloride
Concen: 6.92 ug/L
RT: 1.074 min Scan# 174
Delta R.T. 0.000 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion: 62 Resp: 15337

Ion	Ratio	Lower	Upper
62	100		
64	30.9	9.1	49.1

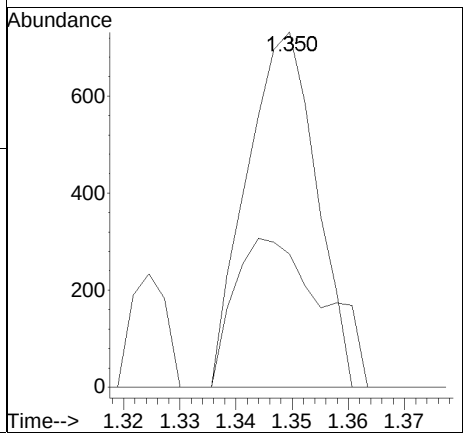


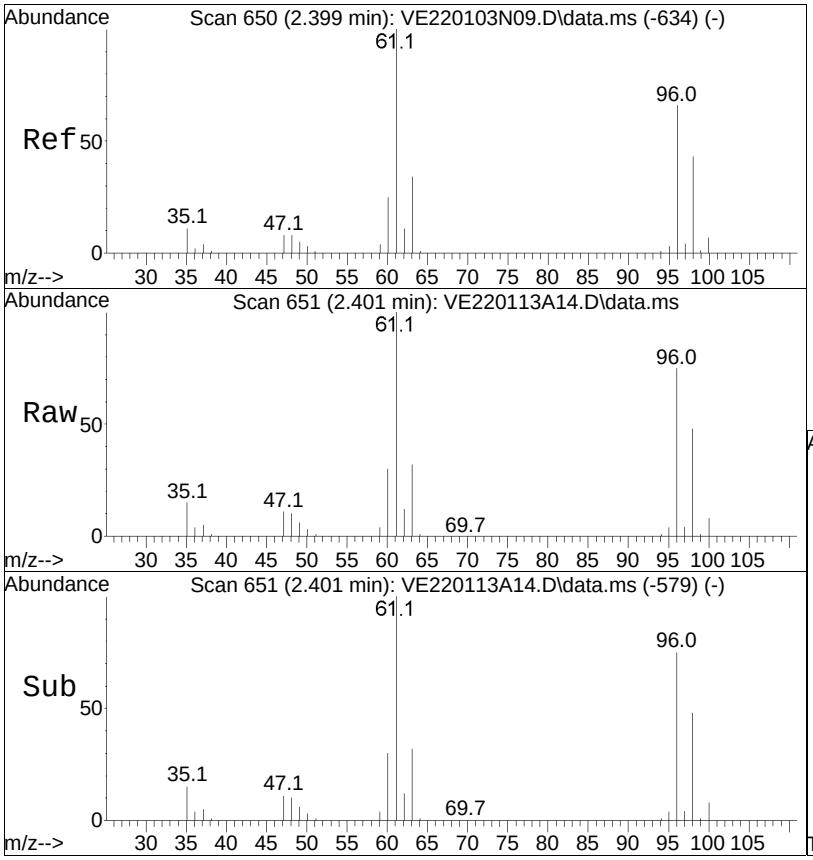


#6
Chloroethane
Concen: 0.42 ug/L
RT: 1.350 min Scan# 273
Delta R.T. -0.000 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion: 64 Resp: 626

Ion	Ratio	Lower	Upper
64	100		
66	53.7	9.8	49.8#

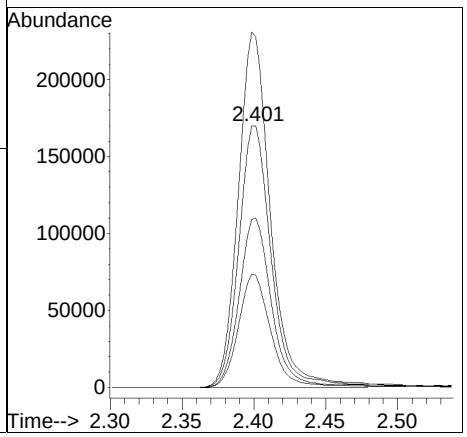


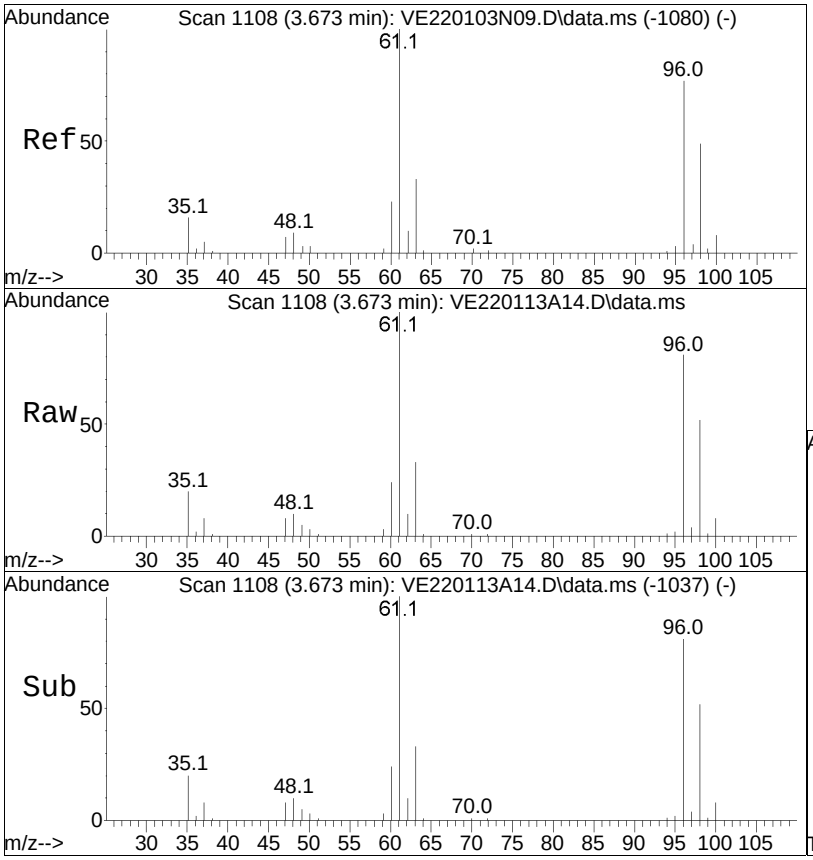


#18
trans-1,2-Dichloroethene
Concen: 153.17 ug/L
RT: 2.401 min Scan# 651
Delta R.T. 0.000 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion: 96 Resp: 268767

Ion	Ratio	Lower	Upper
96	100		
61	135.8	124.0	257.6
98	63.7	41.2	85.6
63	43.2	38.4	79.7

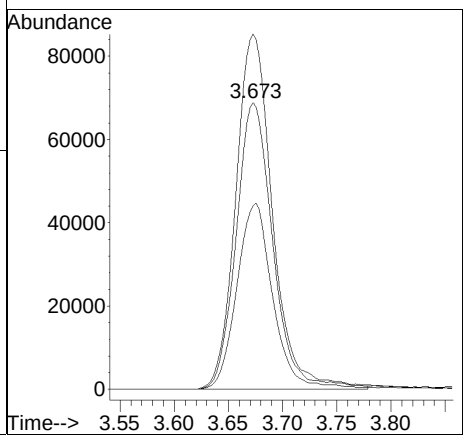


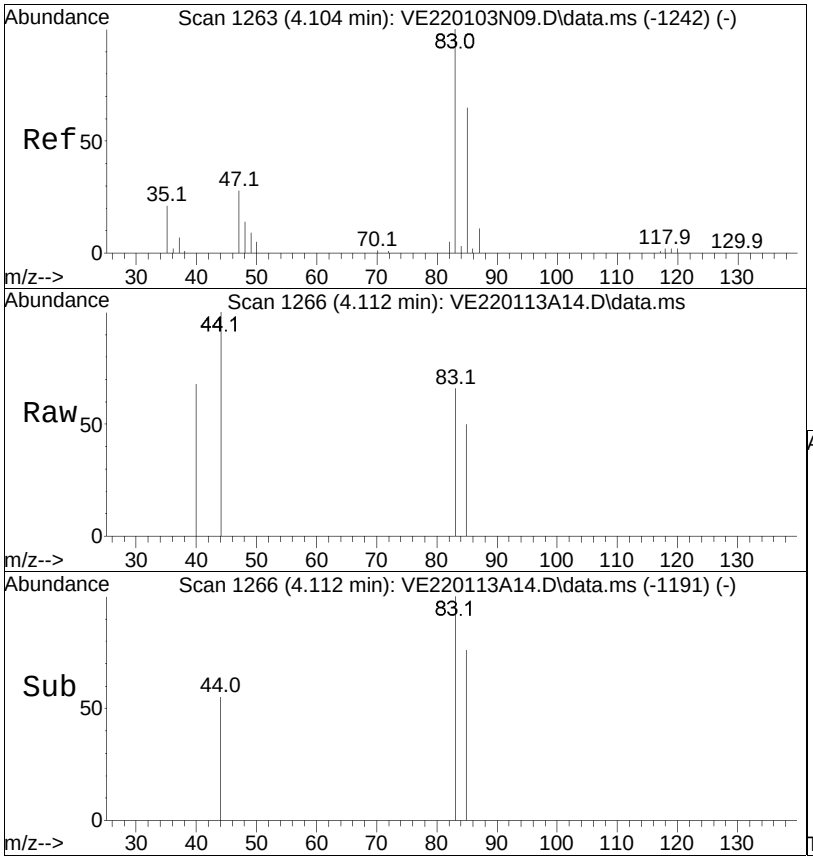


#28
cis-1,2-Dichloroethene
Concen: 83.73 ug/L
RT: 3.673 min Scan# 1108
Delta R.T. -0.003 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion: 96 Resp: 163110

Ion	Ratio	Lower	Upper
96	100		
61	124.4	149.4	224.2#
98	62.7	53.4	80.2

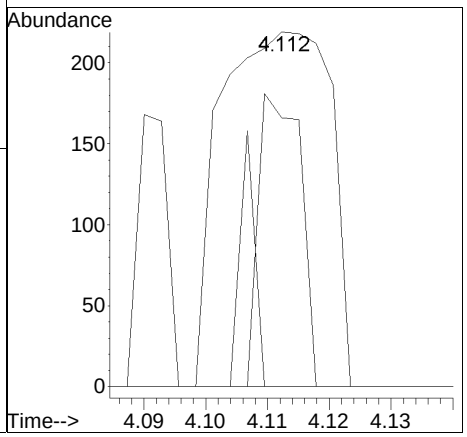


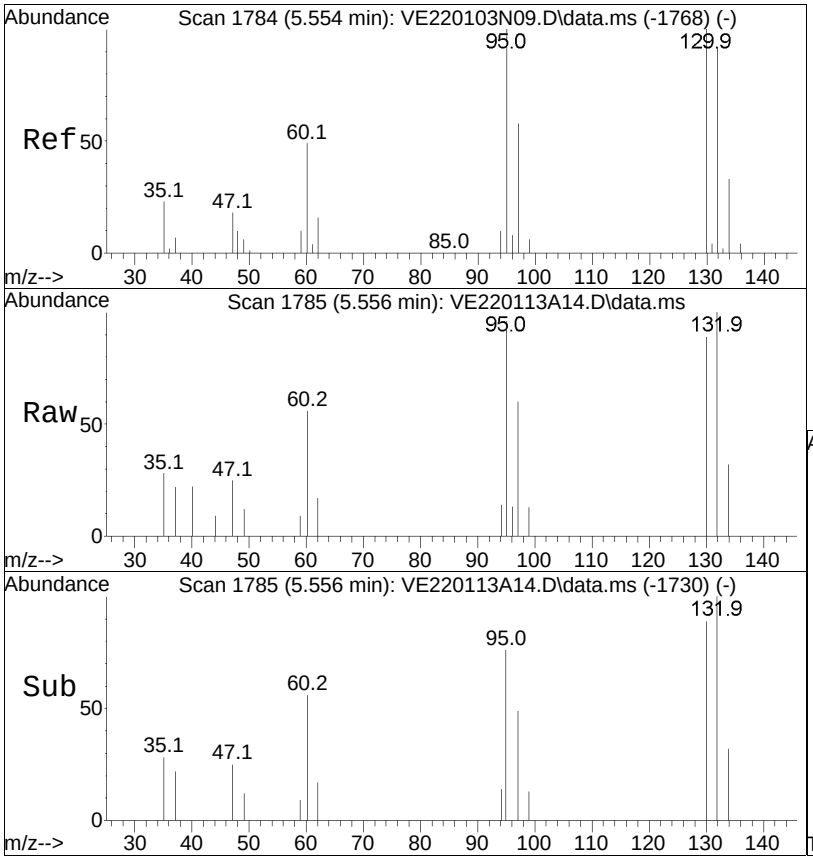


#32
Chloroform
Concen: 0.08 ug/L
RT: 4.112 min Scan# 1266
Delta R.T. 0.008 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion: 83 Resp: 269

Ion	Ratio	Lower	Upper
83	100		
85	32.0	41.5	86.1#
47	9.7	19.0	39.4#
48	0.0	9.9	20.5#

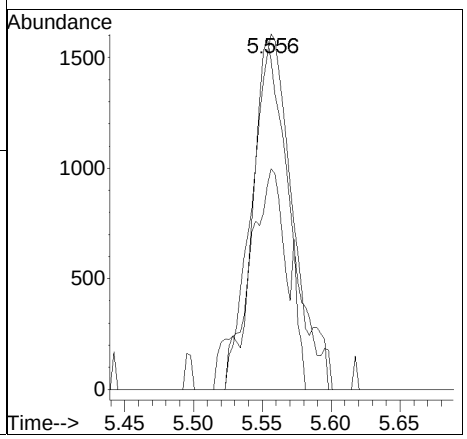


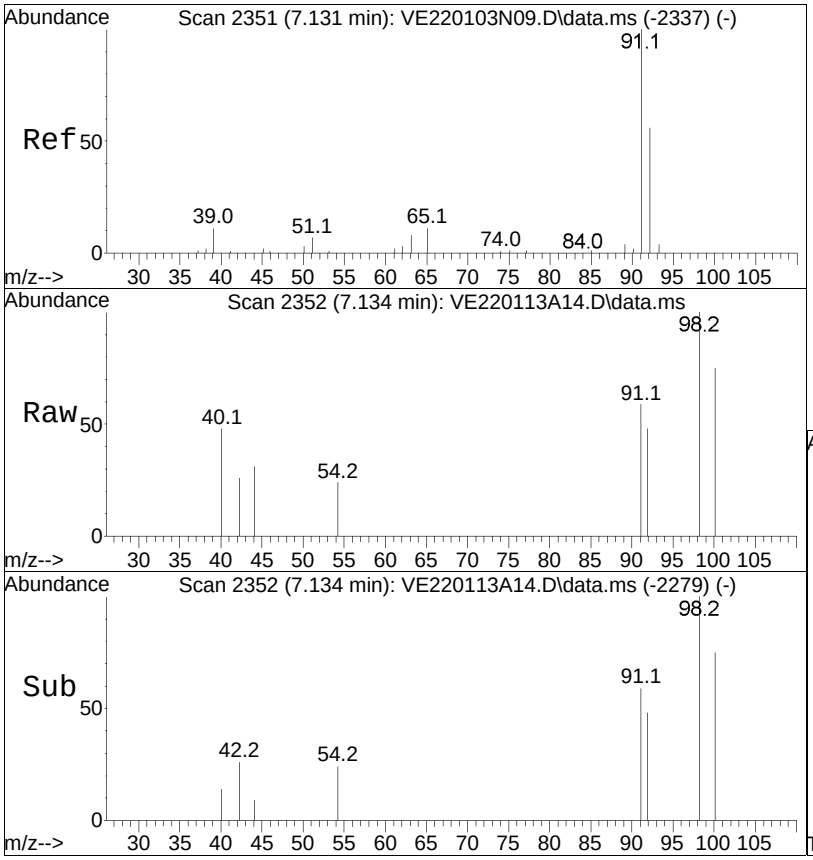


#48
Trichloroethene
Concen: 1.79 ug/L M1
RT: 5.556 min Scan# 1785
Delta R.T. 0.002 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion: 95 Resp: 3290

Ion	Ratio	Lower	Upper
95	100		
97	56.7	55.5	83.3
130	95.6	76.6	115.0

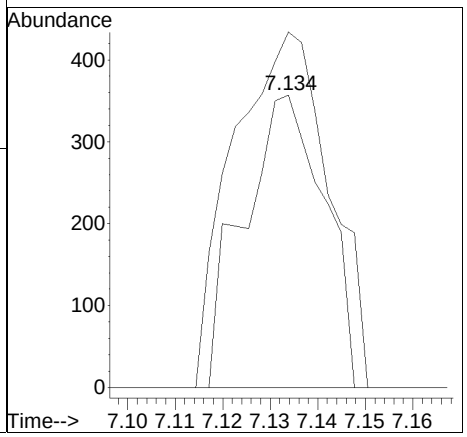


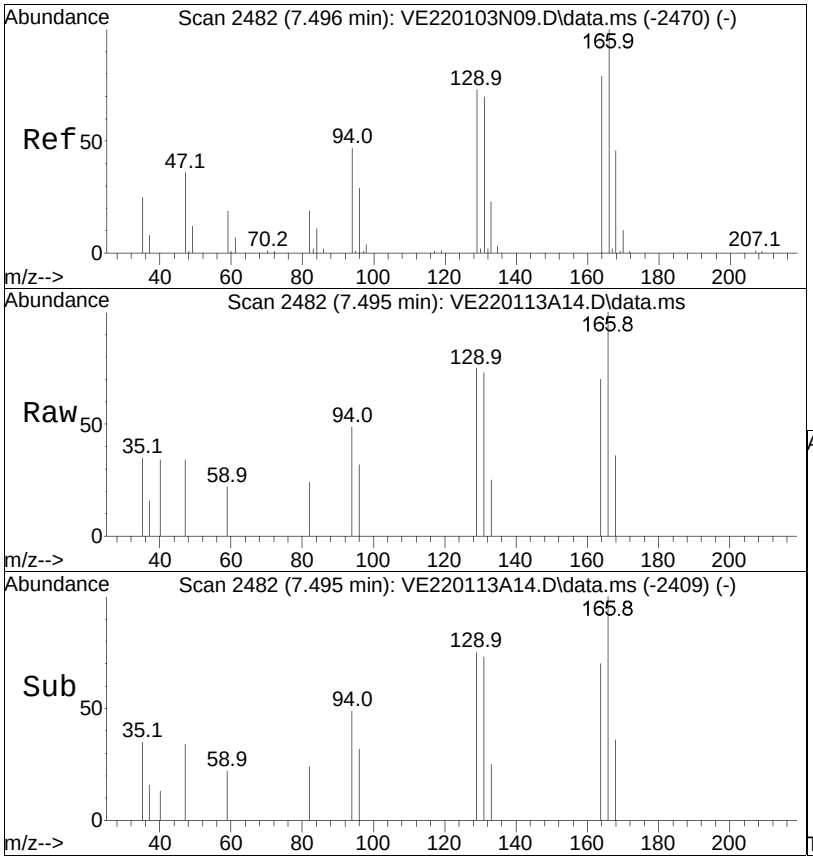


#61
Toluene
Concen: 0.09 ug/L
RT: 7.134 min Scan# 2352
Delta R.T. 0.003 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion: 92 Resp: 422

Ion	Ratio	Lower	Upper
92	100		
91	144.5	139.8	209.6

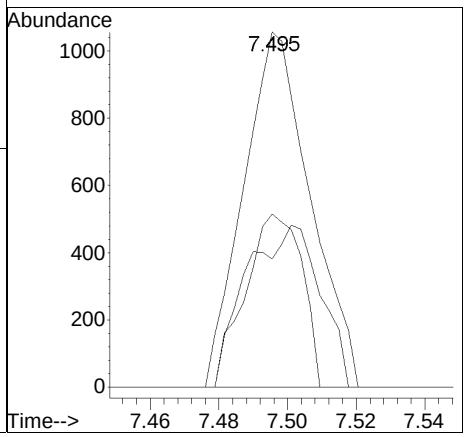


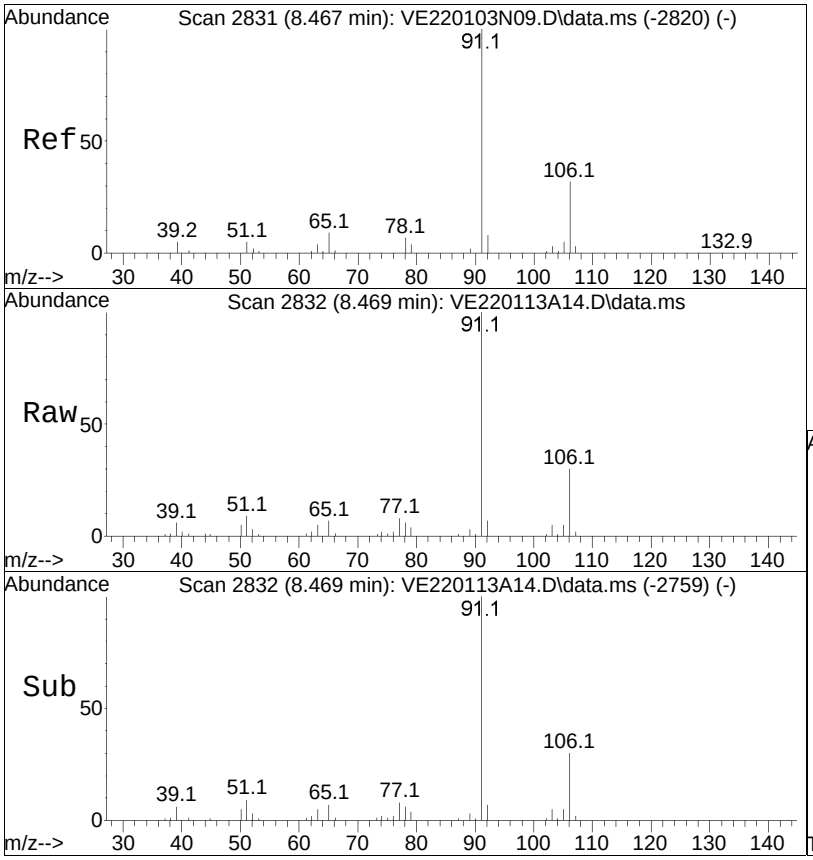


#63
Tetrachloroethene
Concen: 0.75 ug/L
RT: 7.495 min Scan# 2482
Delta R.T. 0.002 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion:166 Resp: 1427

Ion	Ratio	Lower	Upper
166	100		
168	50.7	28.2	68.2
94	41.5	38.4	78.4

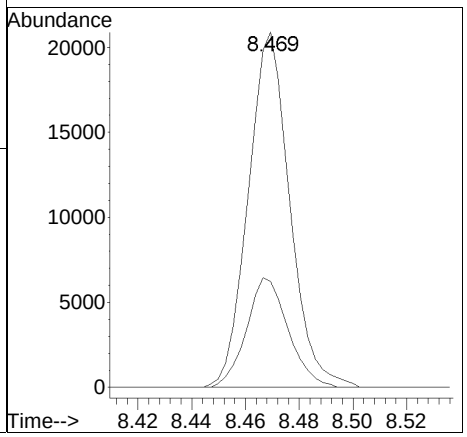


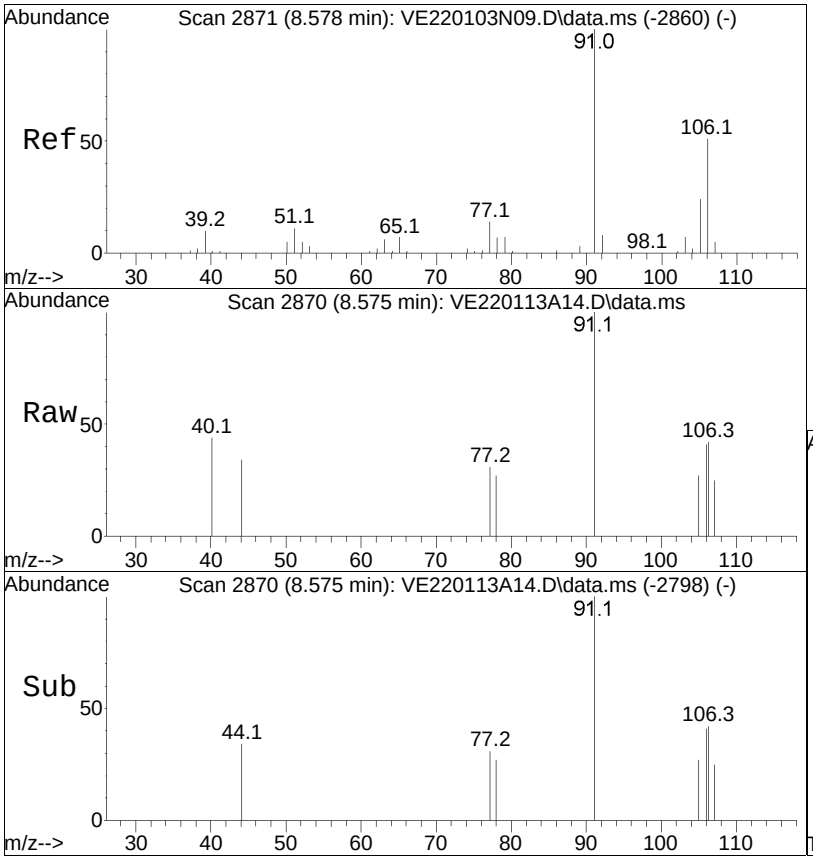


#74
Ethylbenzene
Concen: 2.54 ug/L
RT: 8.469 min Scan# 2832
Delta R.T. 0.002 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion: 91 Resp: 22421

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.3	36.5

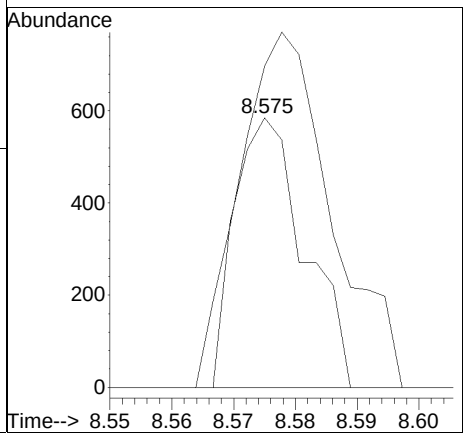


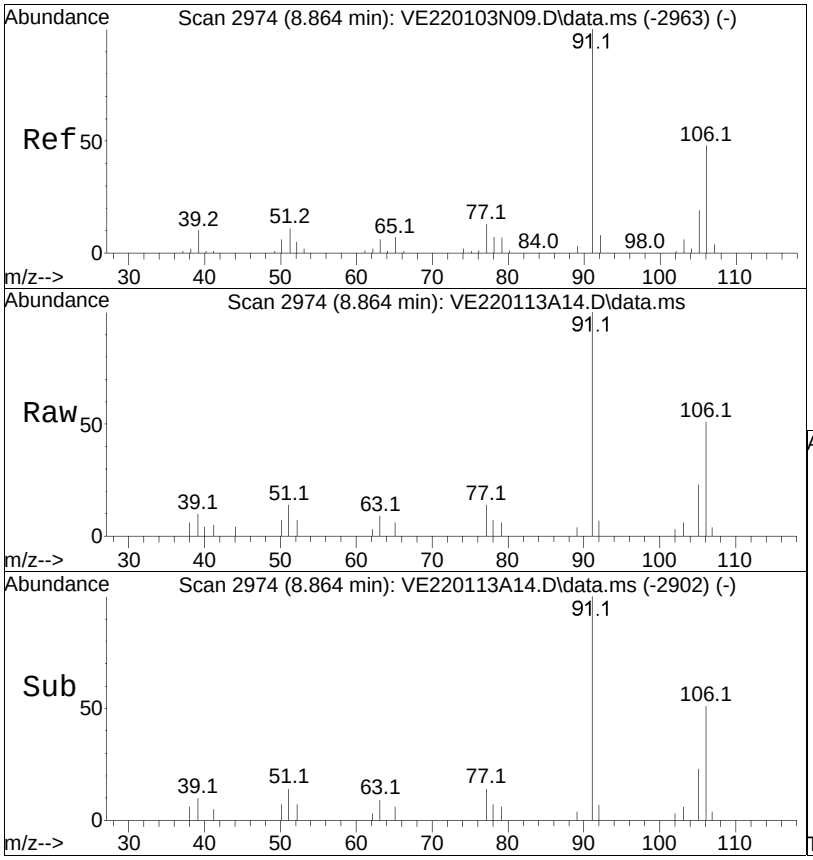


#76
p/m Xylene
Concen: 0.14 ug/L
RT: 8.575 min Scan# 2870
Delta R.T. 0.000 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion:106 Resp: 461

Ion	Ratio	Lower	Upper
106	100		
91	172.7	166.4	249.6

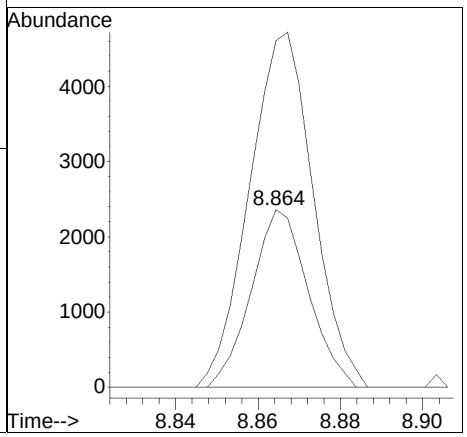


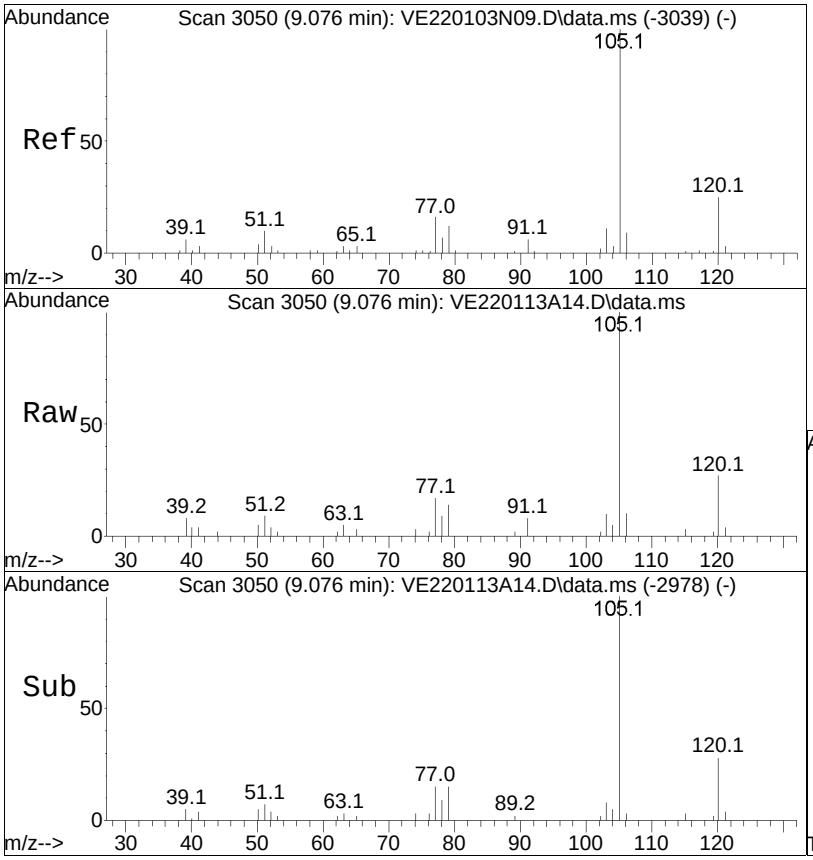


#77
o Xylene
Concen: 0.70 ug/L
RT: 8.864 min Scan# 2974
Delta R.T. -0.001 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion:106 Resp: 2268

Ion	Ratio	Lower	Upper
106	100		
91	223.6	182.6	273.8

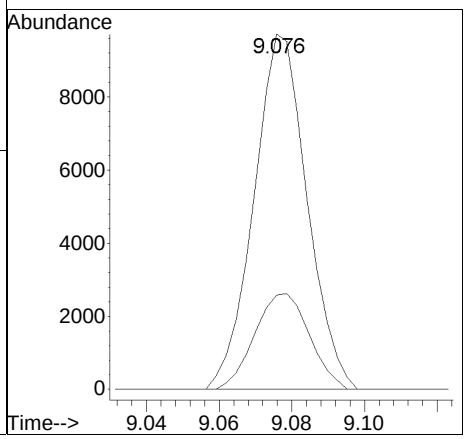


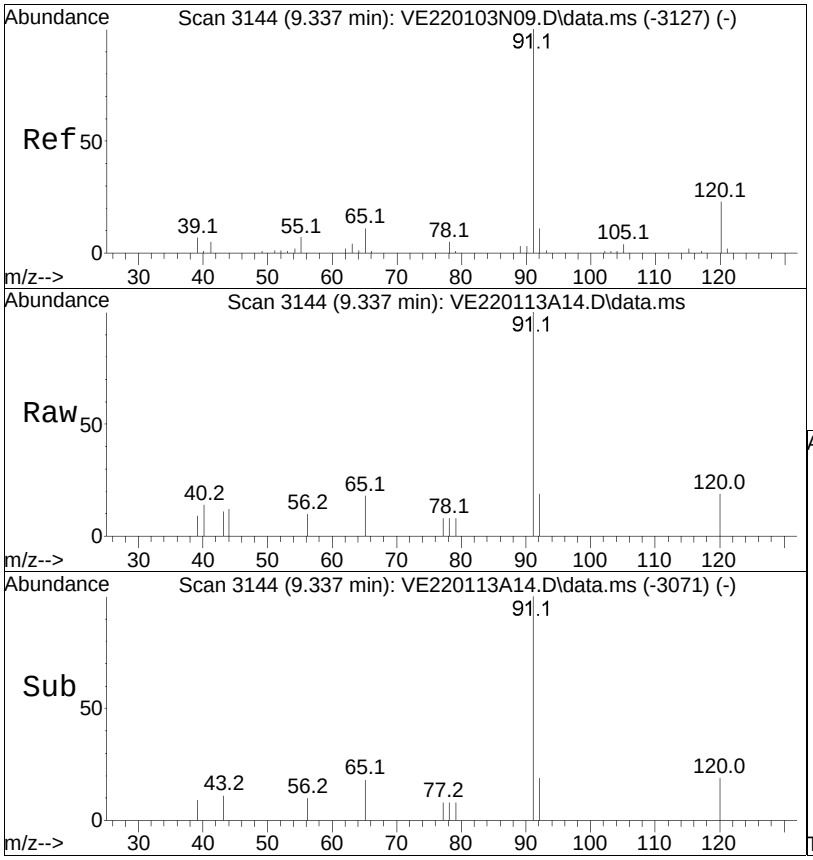


#82
Isopropylbenzene
Concen: 1.22 ug/L
RT: 9.076 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion:105 Resp: 9856

Ion	Ratio	Lower	Upper
105	100		
120	27.7	4.8	44.8

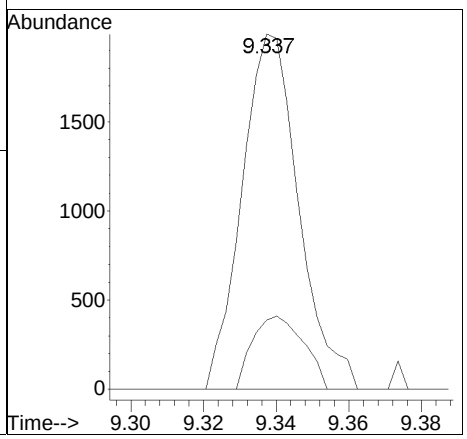


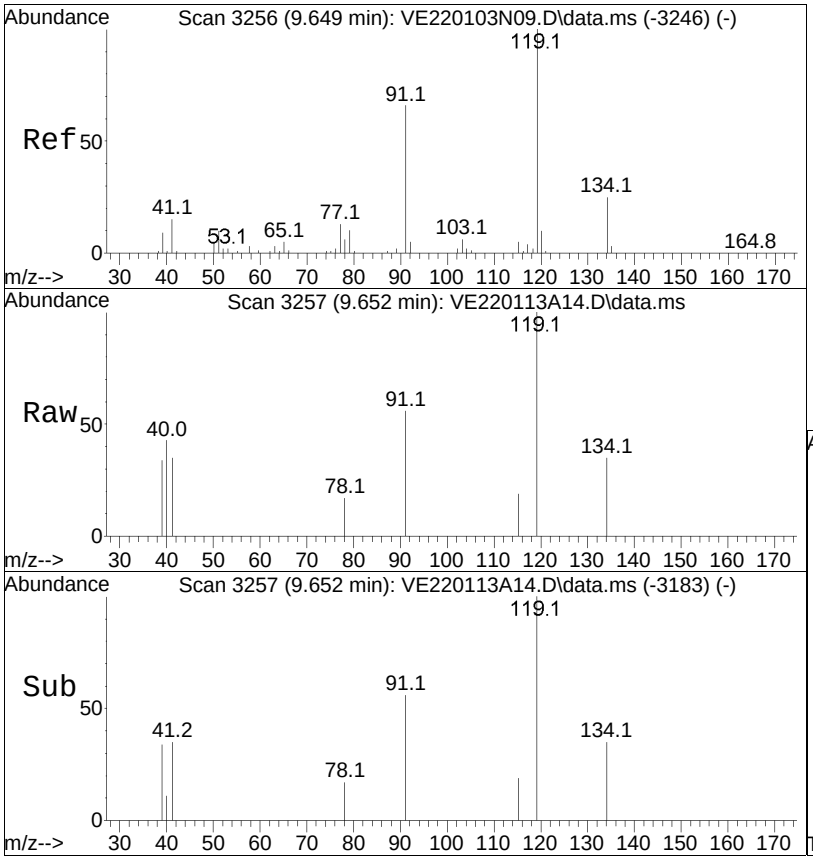


#85
n-Propylbenzene
Concen: 0.23 ug/L
RT: 9.337 min Scan# 3144
Delta R.T. 0.002 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion: 91 Resp: 2170

Ion	Ratio	Lower	Upper
91	100		
120	18.4	17.0	25.6

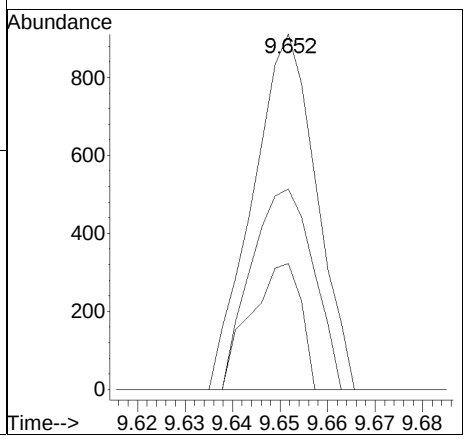


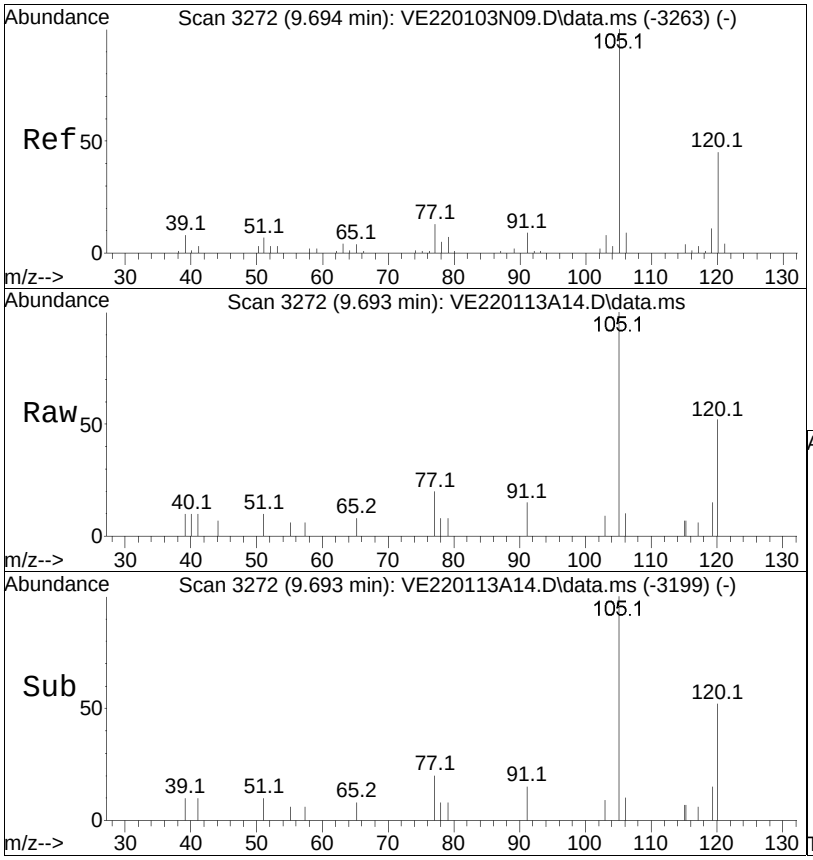


#94
tert-Butylbenzene
Concen: 0.15 ug/L
RT: 9.652 min Scan# 3257
Delta R.T. 0.006 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion:119 Resp: 846

Ion	Ratio	Lower	Upper
119	100		
91	55.4	51.4	77.2
134	28.1	18.3	27.5#

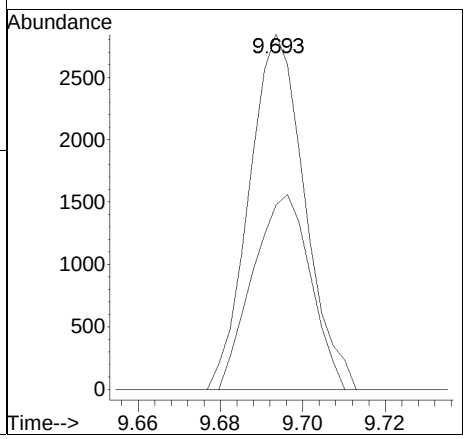


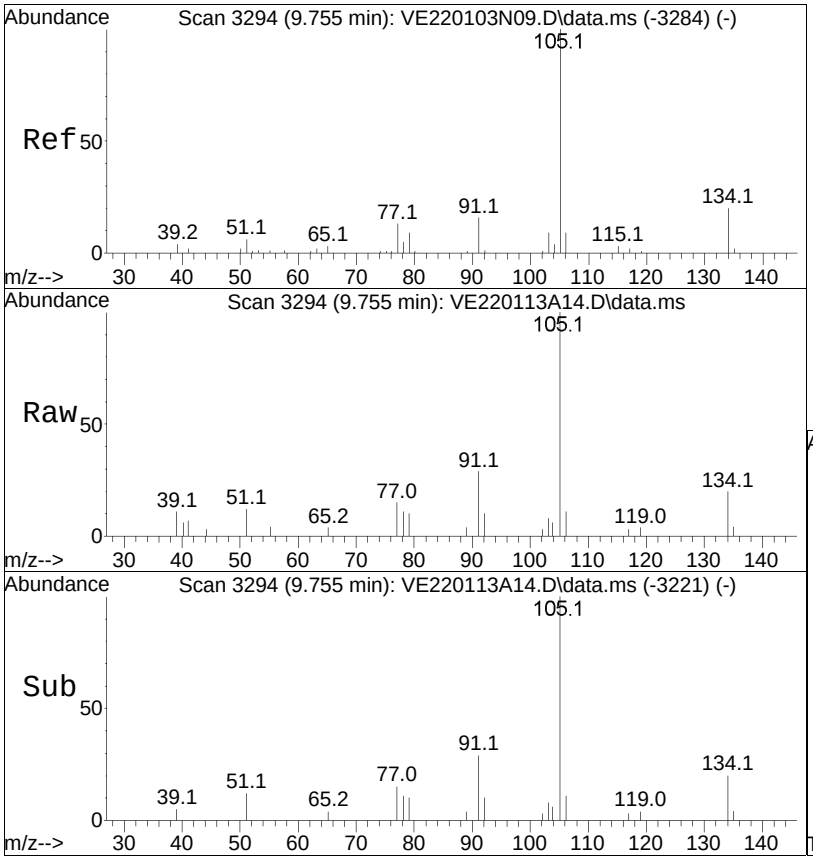


#97
1,2,4-Trimethylbenzene
Concen: 0.40 ug/L
RT: 9.693 min Scan# 3272
Delta R.T. 0.002 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion:105 Resp: 2662

Ion	Ratio	Lower	Upper
105	100		
120	56.8	33.4	50.0#

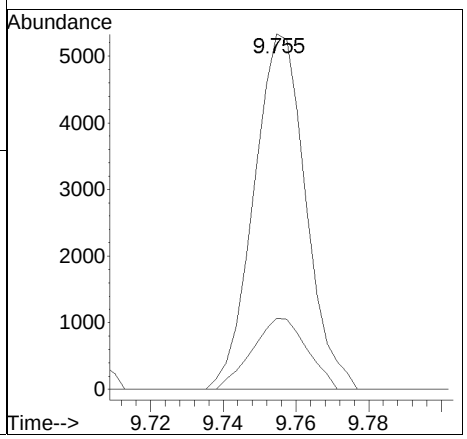


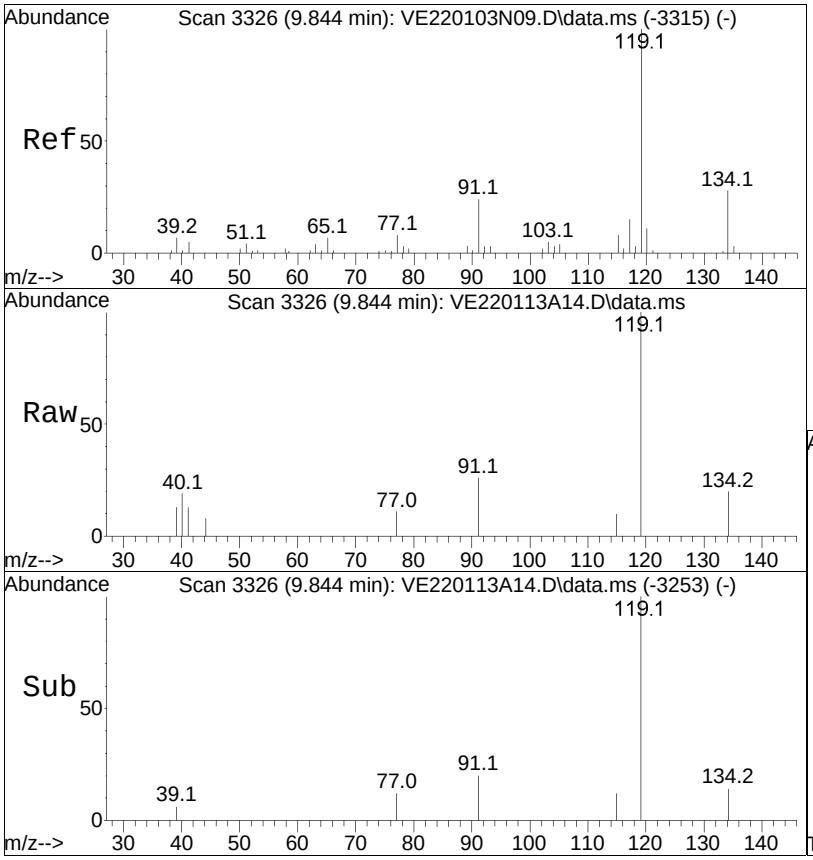


#98
sec-Butylbenzene
Concen: 0.63 ug/L
RT: 9.755 min Scan# 3294
Delta R.T. 0.003 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion:105 Resp: 5281

Ion	Ratio	Lower	Upper
105	100		
134	21.2	12.5	26.1

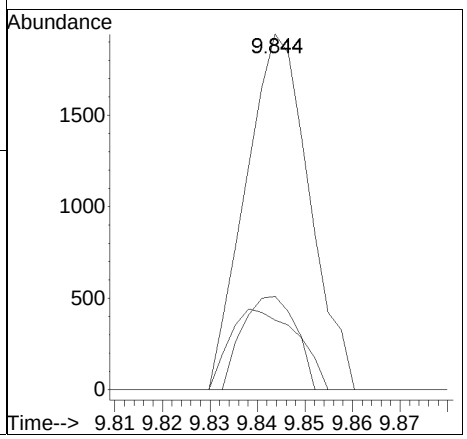


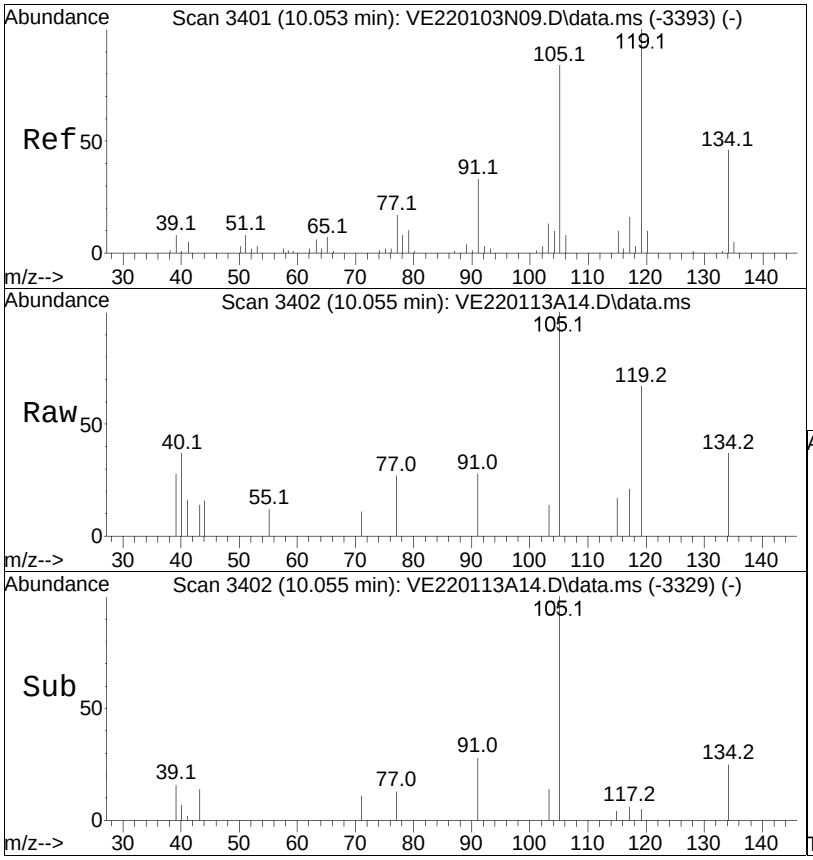


#99
p-Isopropyltoluene
Concen: 0.25 ug/L
RT: 9.844 min Scan# 3326
Delta R.T. 0.003 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion:119 Resp: 1801

Ion	Ratio	Lower	Upper
119	100		
134	24.0	16.1	33.3
91	22.2	17.3	35.9

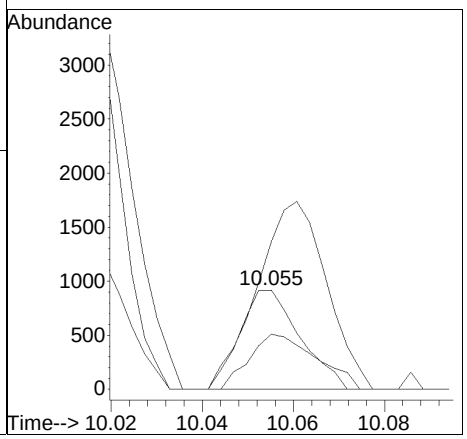


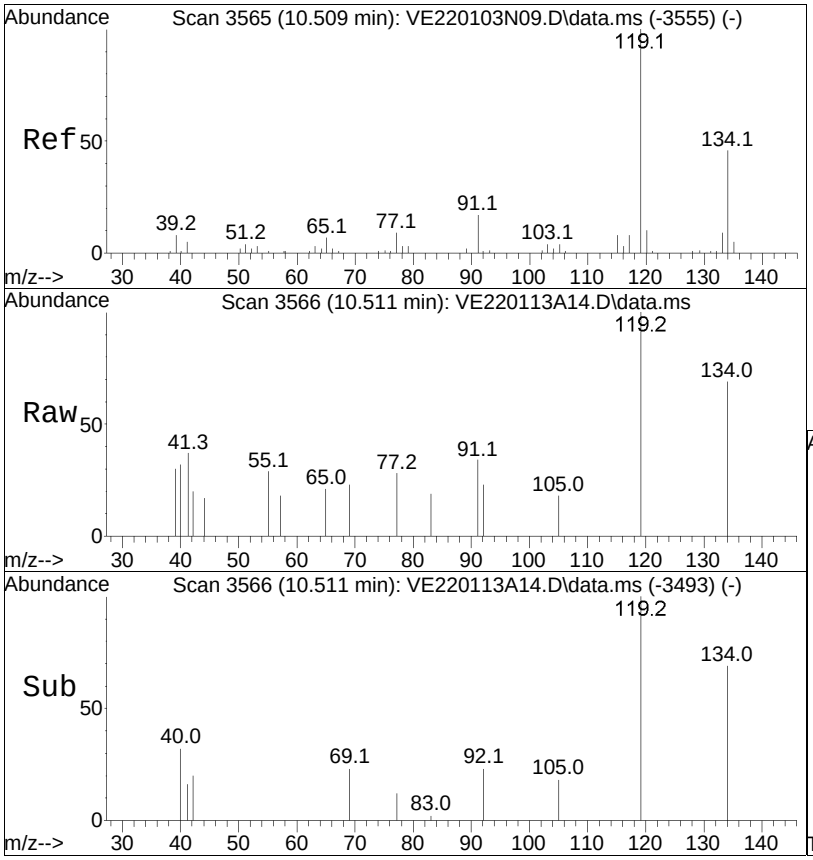


#102
p-Diethylbenzene
Concen: 0.20 ug/L M3
RT: 10.055 min Scan# 3402
Delta R.T. 0.002 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion:119 Resp: 847

Ion	Ratio	Lower	Upper
119	100		
105	357.9	59.5	123.7#
134	165.3	30.2	62.6#

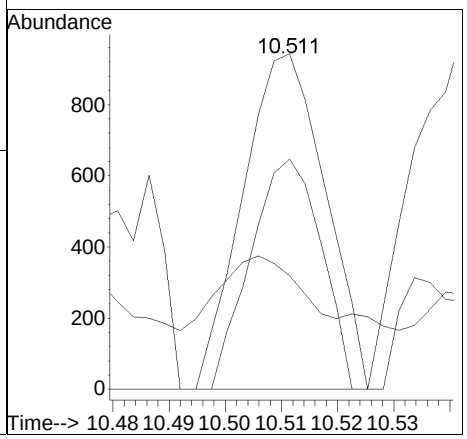


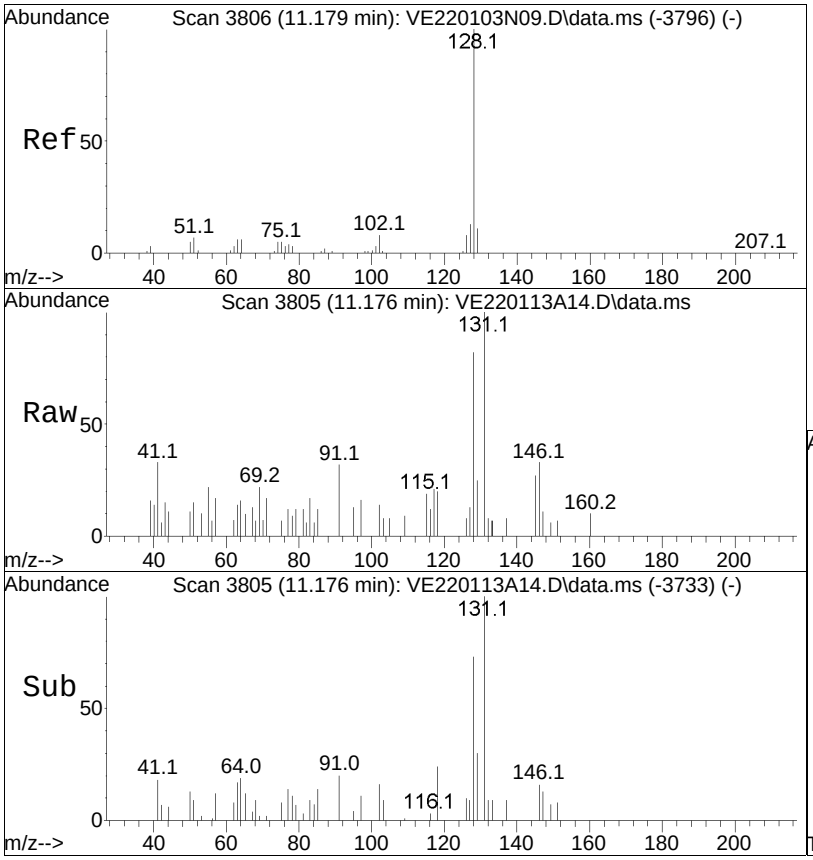


#105
1,2,4,5-Tetramethylbenzene
Concen: 0.15 ug/L
RT: 10.511 min Scan# 3566
Delta R.T. 0.002 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion:119 Resp: 964

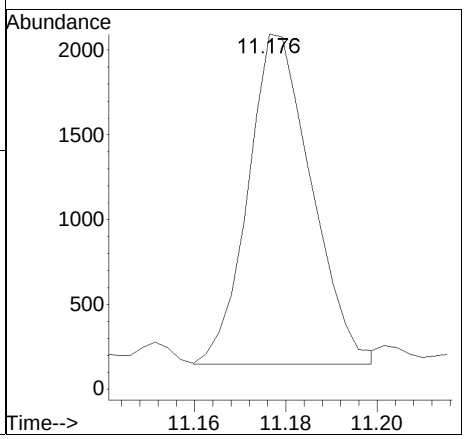
Ion	Ratio	Lower	Upper
119	100		
134	58.7	30.5	63.3
91	62.6	12.4	25.7#





#110
Naphthalene
Concen: 0.45 ug/L M6
RT: 11.176 min Scan# 3805
Delta R.T. -0.001 min
Lab File: VE220113A14.D
Acq: 13 Jan 2022 3:04 pm

Tgt Ion:128 Resp: 1883

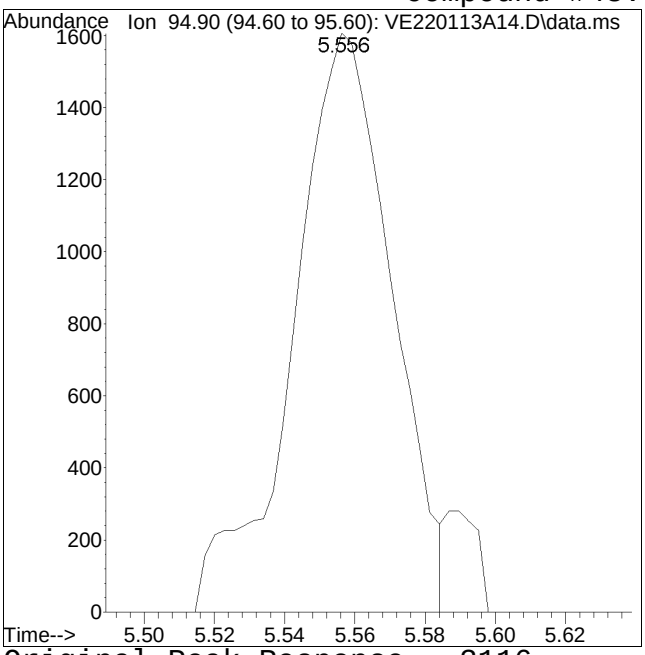


Manual Integration Report

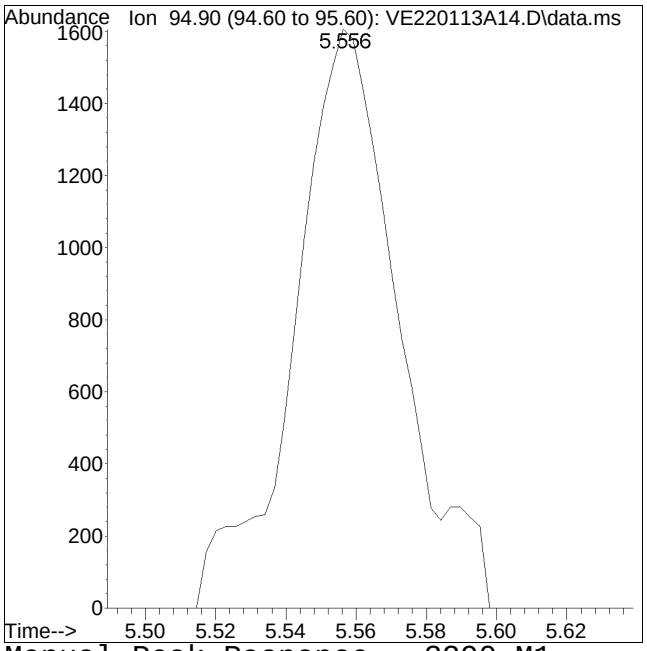
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220113A14.D
Date Inj'd : 1/13/2022 3:04 pm
Sample : L2200912-03,31,10,10,,A,PR

Method : Elaine_220103N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 1/14/2022 12:00 pm

Compound #48: Trichloroethene



Original Peak Response = 3116



Manual Peak Response = 3290 M1

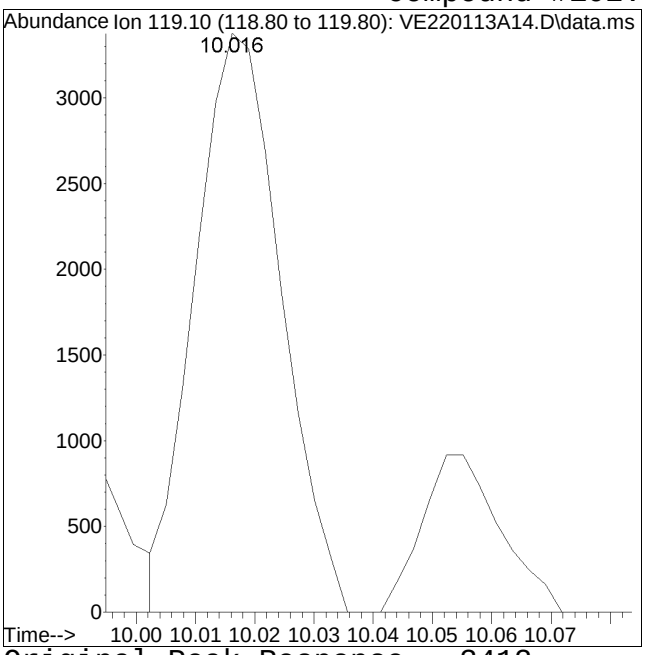
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

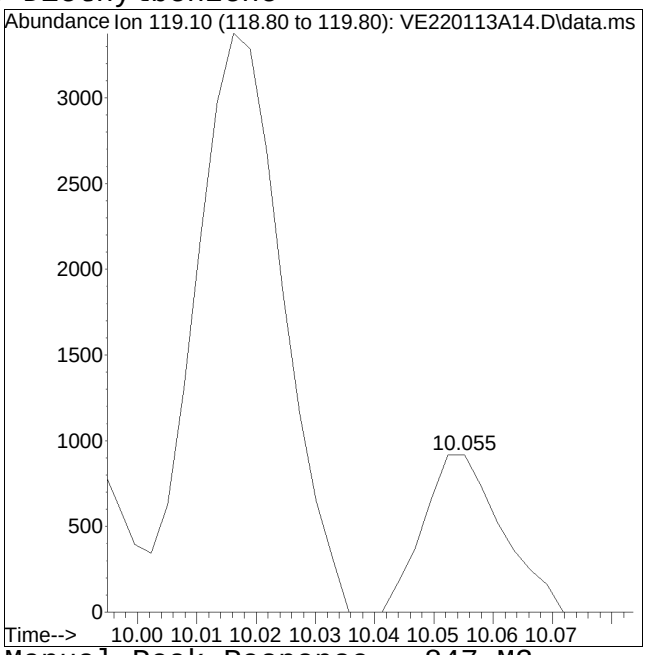
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220113A14.D
Date Inj'd : 1/13/2022 3:04 pm
Sample : L2200912-03,31,10,10,,A,PR

Method : Elaine_220103N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 1/14/2022 12:00 pm

Compound #102: p-Diethylbenzene





Original Peak Response = 3412 Manual Peak Response = 847 M3

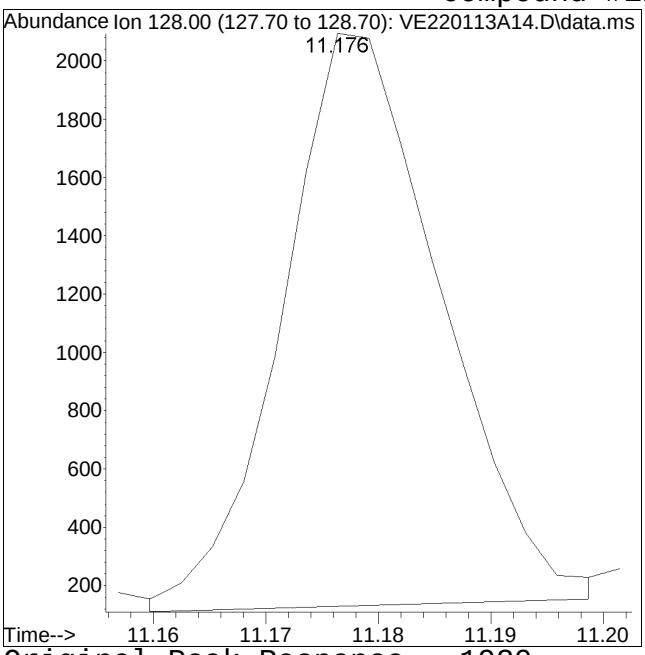
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

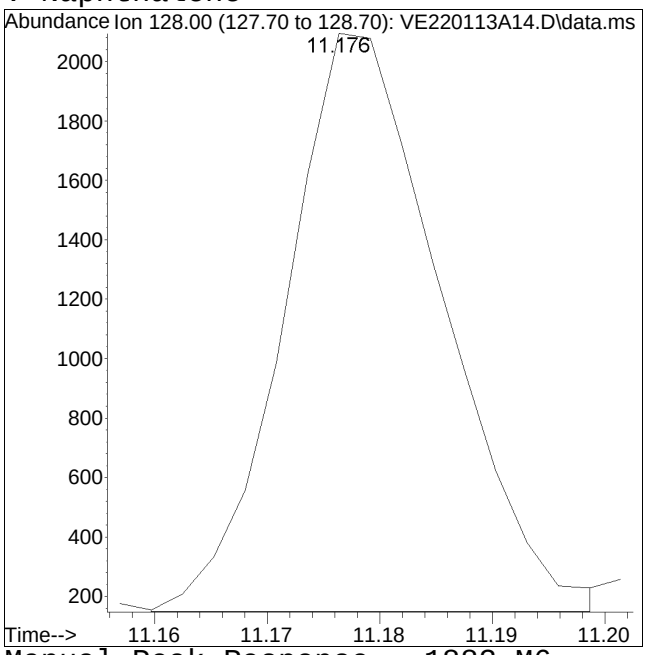
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220113A14.D
Date Inj'd : 1/13/2022 3:04 pm
Sample : L2200912-03,31,10,10,,A,PR

Method : Elaine_220103N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 1/14/2022 12:00 pm

Compound #110: Naphthalene



Original Peak Response = 1920



Manual Peak Response = 1883 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A15.D
Acq On : 13 Jan 2022 3:25 pm
Operator : ELAINE:PD
Sample : L2200912-04,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:43:46 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.359	96	105917	10.000 ug/L	0.00
Standard Area 1 = 117975			Recovery = 89.78%		
59) Chlorobenzene-d5	8.416	117	80645	10.000 ug/L	0.00
Standard Area 1 = 86573			Recovery = 93.15%		
79) 1,4-Dichlorobenzene-d4	9.919	152	42287	10.000 ug/L	0.00
Standard Area 1 = 45323			Recovery = 93.30%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.354	113	27726	11.157 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.57%		
43) 1,2-Dichloroethane-d4	5.008	65	29090	10.931 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.31%		
60) Toluene-d8	7.084	98	104453	9.774 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.74%		
83) 4-Bromofluorobenzene	9.248	95	33641	9.340 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.40%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	1.074	50	85	N.D.	
4) Vinyl chloride	1.074	62	14626	6.425 ug/L	97
5) Bromomethane	1.344	94	90	N.D.	
6) Chloroethane	1.350	64	263	0.171 ug/L #	1
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	1.800	96	28	N.D.	
11) Carbon disulfide	0.000		0	N.D.	
15) Methylene chloride	2.257	84	58	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	2.401	96	257042	142.673 ug/L	72
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	3.676	96	159289	79.637 ug/L #	69
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D. d	

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A15.D
Acq On : 13 Jan 2022 3:25 pm
Operator : ELAINE:PD
Sample : L2200912-04,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:43:46 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.554	95	3008	1.594	ug/L	99
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.128	92	201	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.501	166	1394	0.693	ug/L	86
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D. d		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D. d		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.469	91	19616	2.088	ug/L	98
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.575	106	308	0.085	ug/L #	1
77) o Xylene	8.867	106	2422	0.706	ug/L	92
78) Styrene	8.862	104	86	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.076	105	9636	1.102	ug/L	93
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	9.340	91	1740	0.172	ug/L #	91
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	0.000		0	N.D. d		
89) 2-Chlorotoluene	0.000		0	N.D. d		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D. d		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	9.346	53	27	N.D.		
93) 4-Chlorotoluene	9.591	91	199	N.D.		
94) tert-Butylbenzene	9.655	119	845	0.138	ug/L	87

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A15.D
Acq On : 13 Jan 2022 3:25 pm
Operator : ELAINE:PD
Sample : L2200912-04,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:43:46 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97) 1,2,4-Trimethylbenzene	9.693	105	2250	0.315	ug/L	#	80
98) sec-Butylbenzene	9.755	105	5171	0.573	ug/L		88
99) p-Isopropyltoluene	9.844	119	1397M3	0.183	ug/L		
100) 1,3-Dichlorobenzene	0.000		0	N.D.			
101) 1,4-Dichlorobenzene	0.000		0	N.D.			
102) p-Diethylbenzene	10.052	119	879M3	0.195	ug/L		
103) n-Butylbenzene	10.089	91	329	N.D.			
104) 1,2-Dichlorobenzene	0.000		0	N.D.			
105) 1,2,4,5-Tetramethylben...	10.511	119	786	0.115	ug/L	#	69
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108) Hexachlorobutadiene	0.000		0	N.D.			
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
110) Naphthalene	11.179	128	2463	0.548	ug/L		100
111) 1,2,3-Trichlorobenzene	11.293	180	27	N.D.			

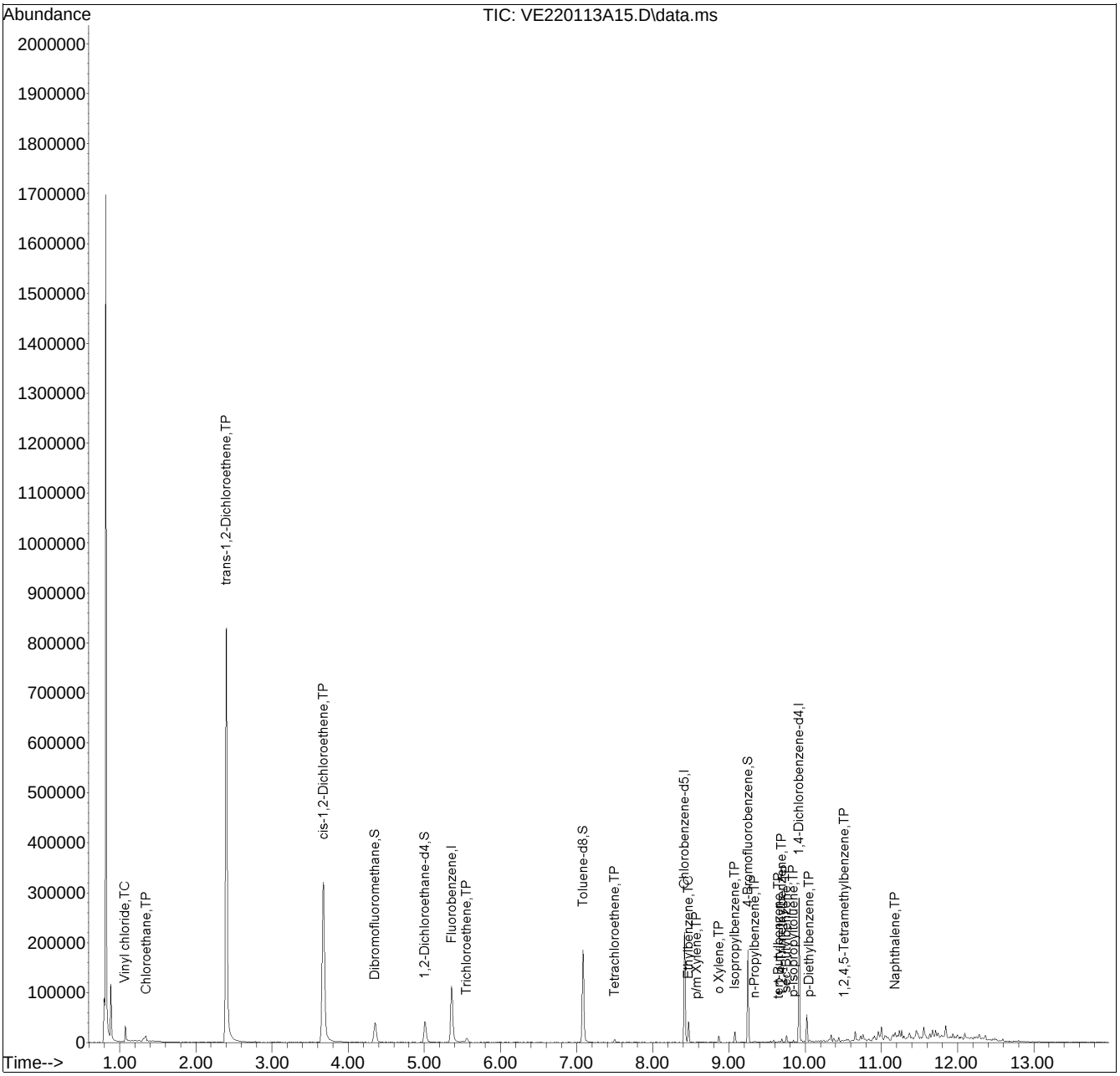
(#) = qualifier out of range (m) = manual integration (+) = signals summed

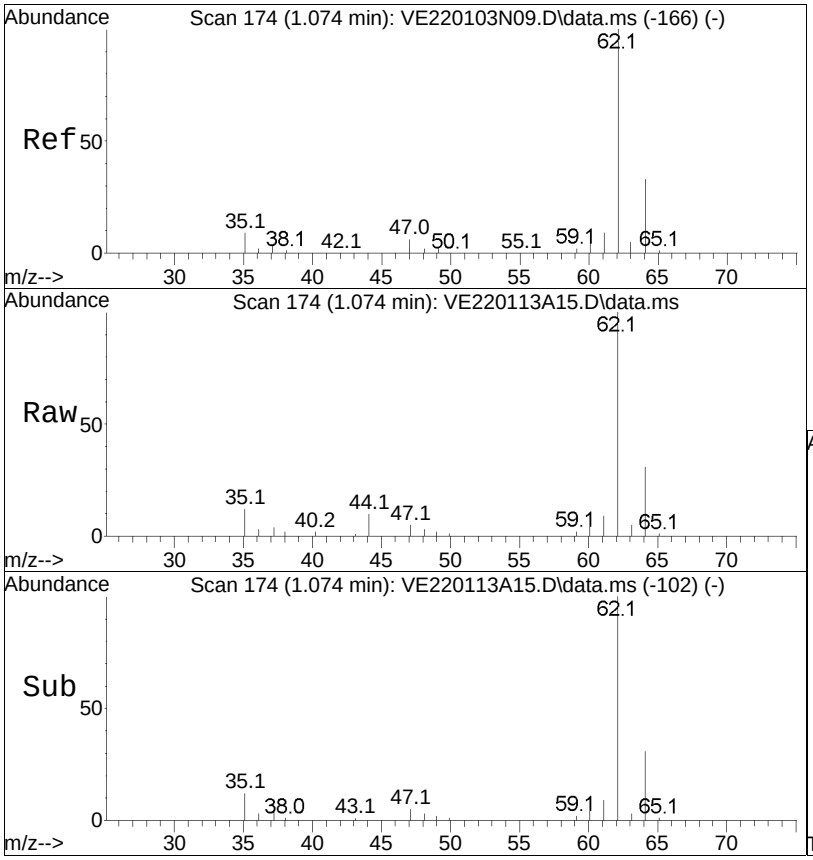
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A15.D
Acq On : 13 Jan 2022 3:25 pm
Operator : ELAINE:PD
Sample : L2200912-04,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:43:46 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20113A\VE220113A02.D•

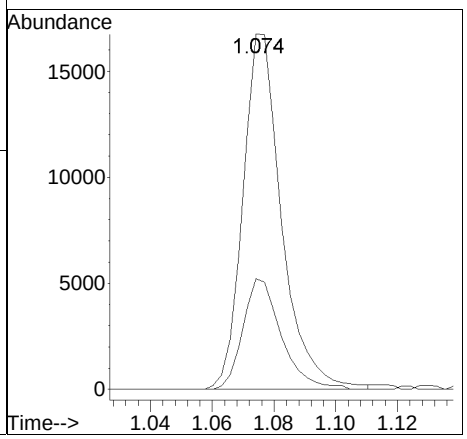


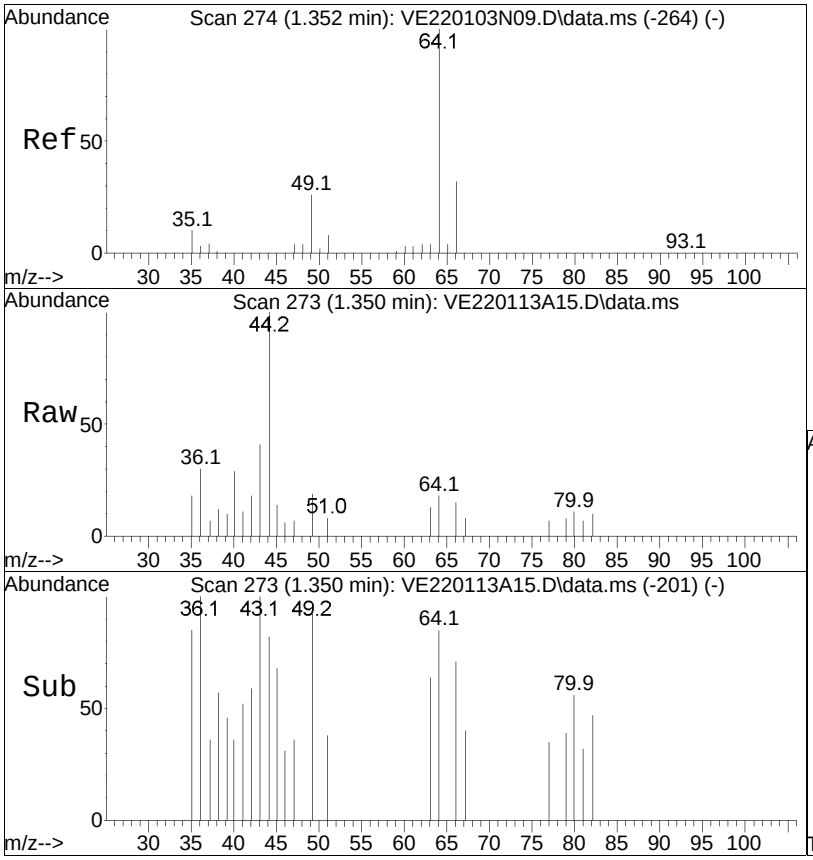


#4
Vinyl chloride
Concen: 6.43 ug/L
RT: 1.074 min Scan# 174
Delta R.T. 0.000 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion: 62 Resp: 14626

Ion	Ratio	Lower	Upper
62	100		
64	30.9	9.1	49.1

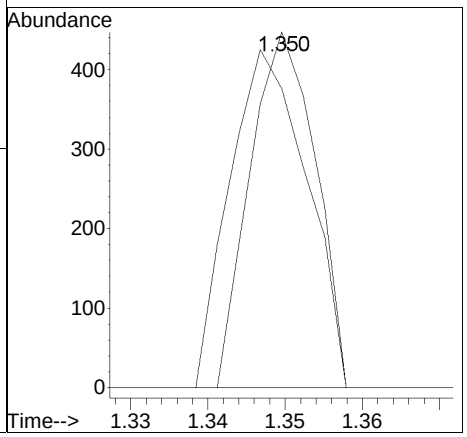


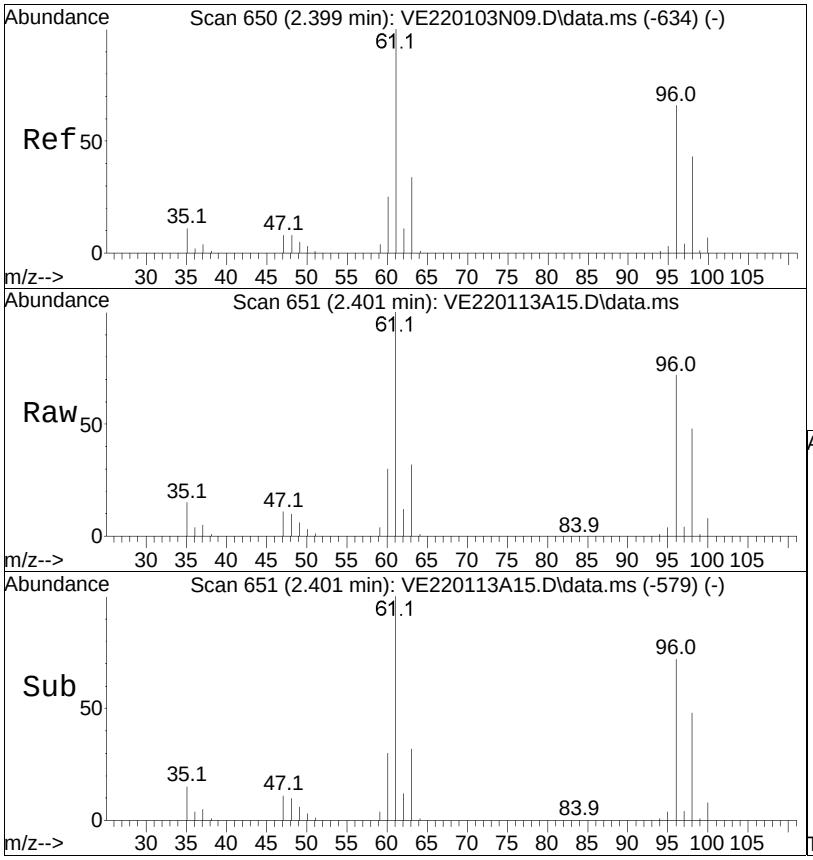


#6
Chloroethane
Concen: 0.17 ug/L
RT: 1.350 min Scan# 273
Delta R.T. -0.000 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion: 64 Resp: 263

Ion	Ratio	Lower	Upper
64	100		
66	112.2	9.8	49.8#

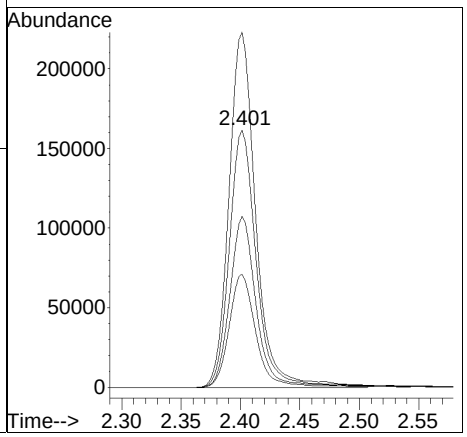


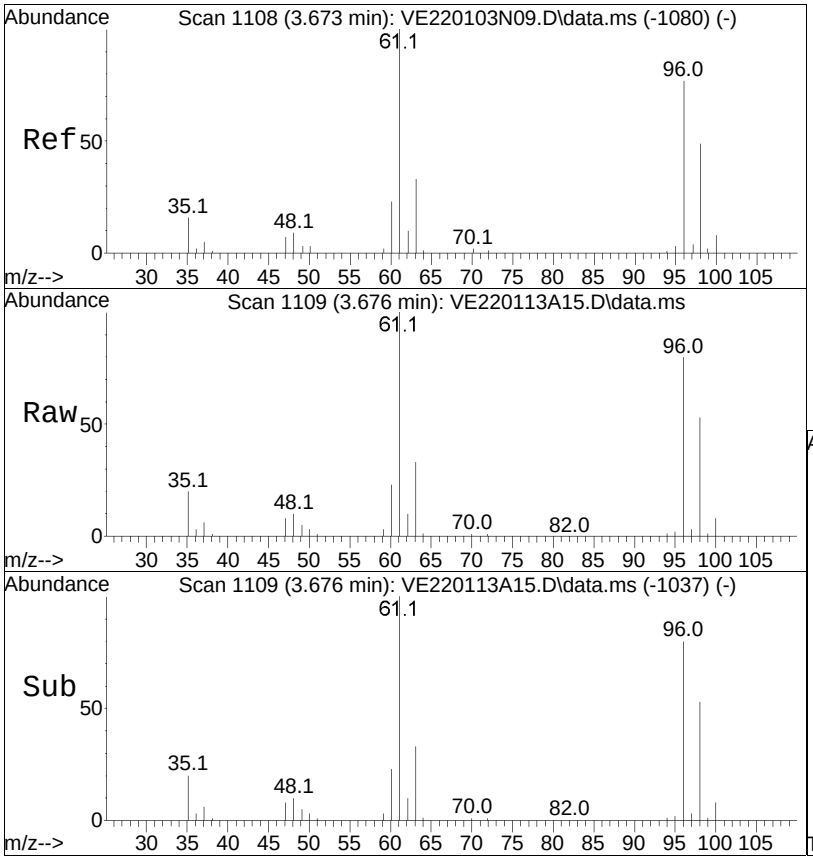


#18
trans-1,2-Dichloroethene
Concen: 142.67 ug/L
RT: 2.401 min Scan# 651
Delta R.T. 0.000 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion: 96 Resp: 257042

Ion	Ratio	Lower	Upper
96	100		
61	134.5	124.0	257.6
98	64.9	41.2	85.6
63	43.5	38.4	79.7

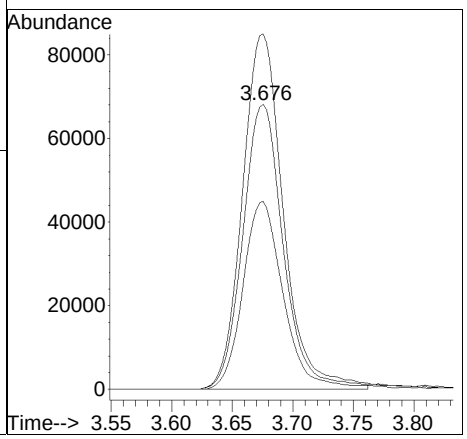


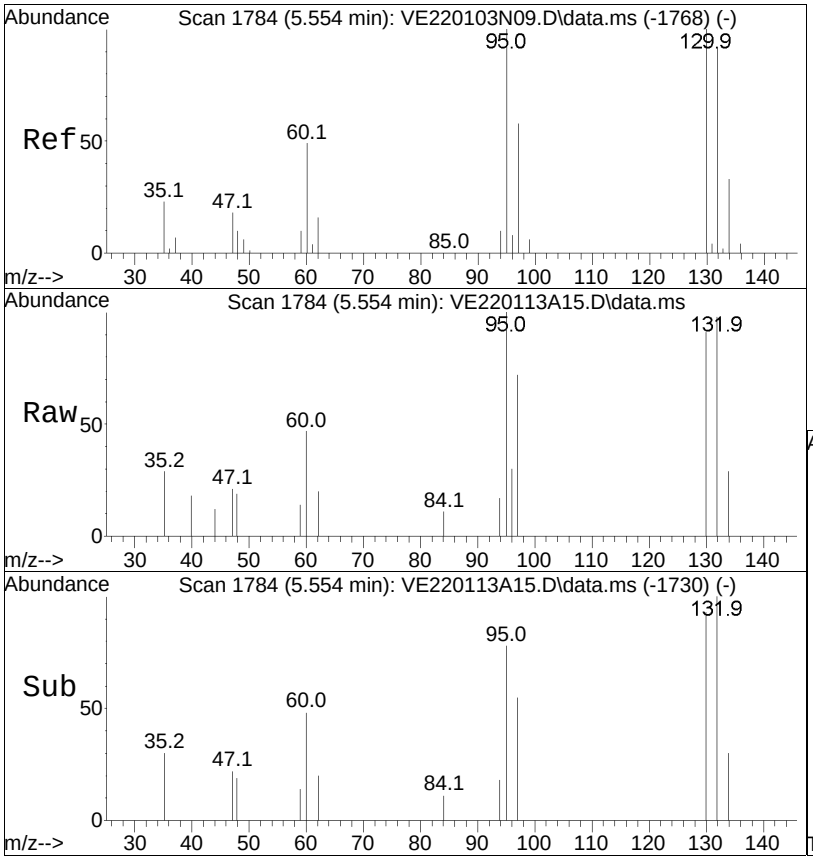


#28
cis-1,2-Dichloroethene
Concen: 79.64 ug/L
RT: 3.676 min Scan# 1109
Delta R.T. -0.001 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion: 96 Resp: 159289

Ion	Ratio	Lower	Upper
96	100		
61	125.9	149.4	224.2#
98	66.0	53.4	80.2

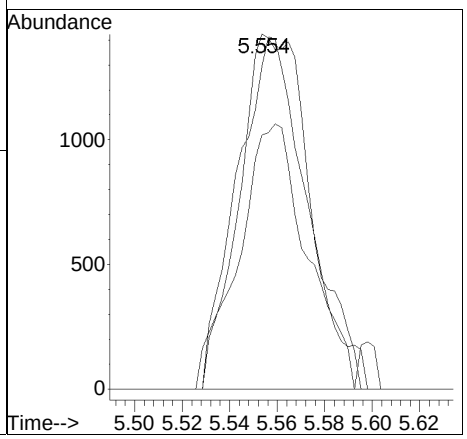


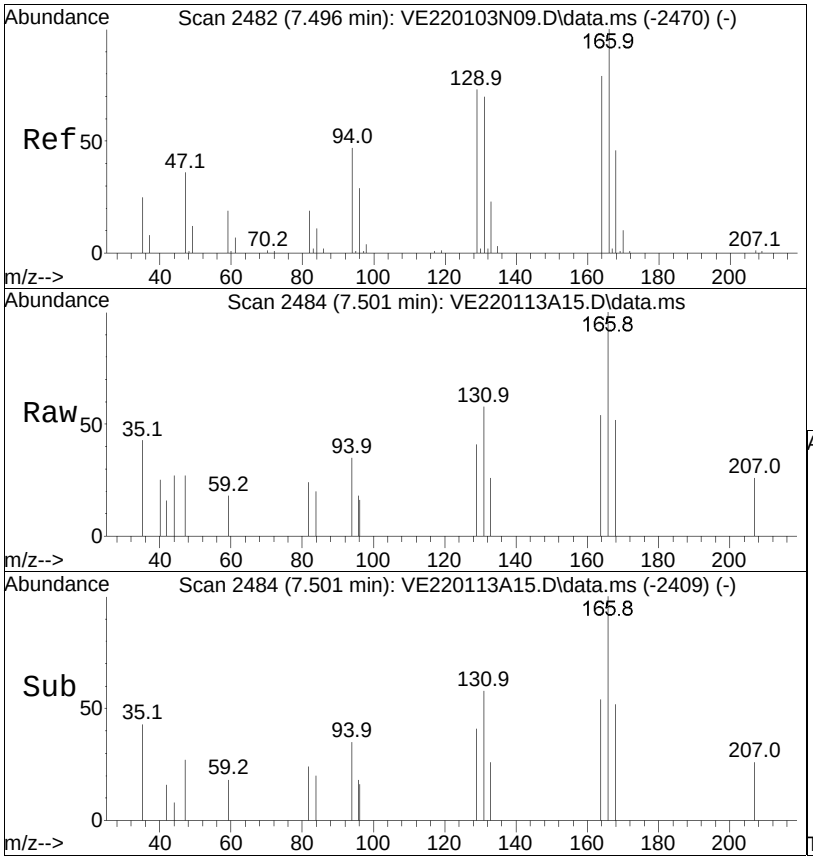


#48
Trichloroethene
Concen: 1.59 ug/L
RT: 5.554 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion: 95 Resp: 3008

Ion	Ratio	Lower	Upper
95	100		
97	71.3	55.5	83.3
130	95.6	76.6	115.0

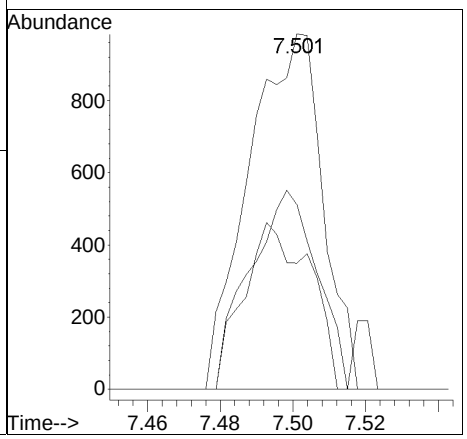


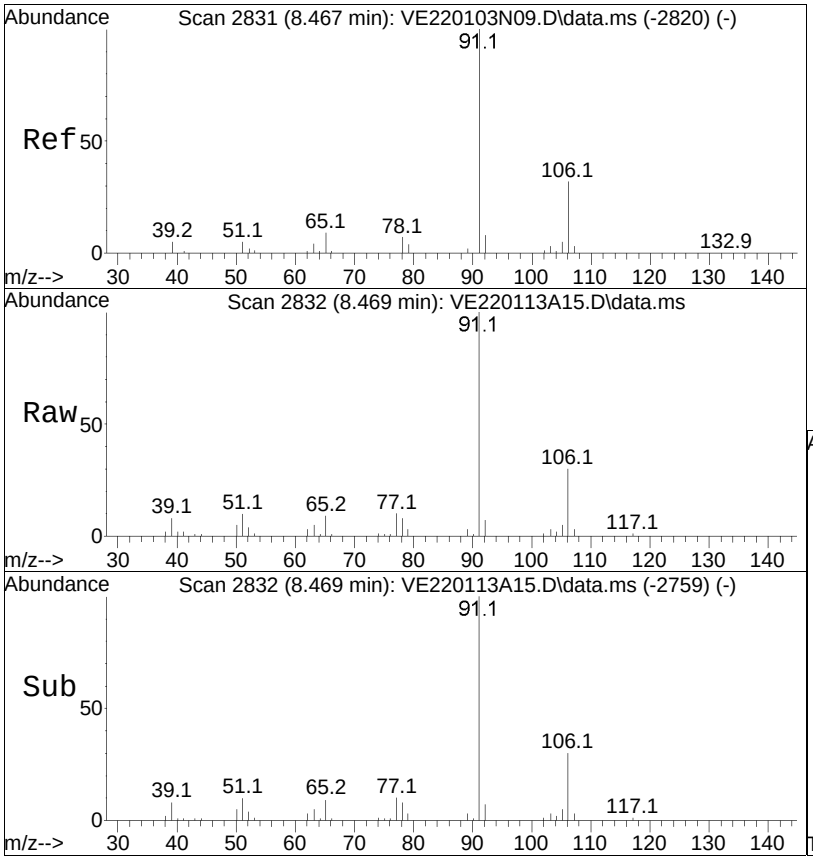


#63
Tetrachloroethene
Concen: 0.69 ug/L
RT: 7.501 min Scan# 2484
Delta R.T. 0.008 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion:166 Resp: 1394

Ion	Ratio	Lower	Upper
166	100		
168	51.0	28.2	68.2
94	42.0	38.4	78.4

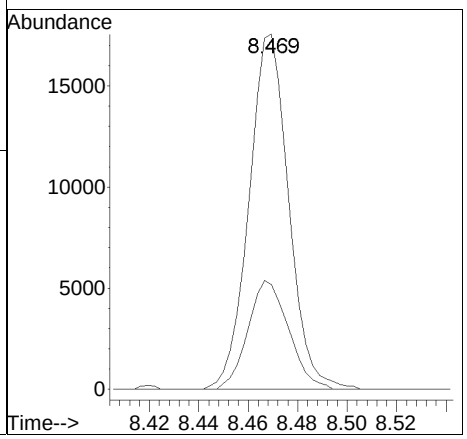


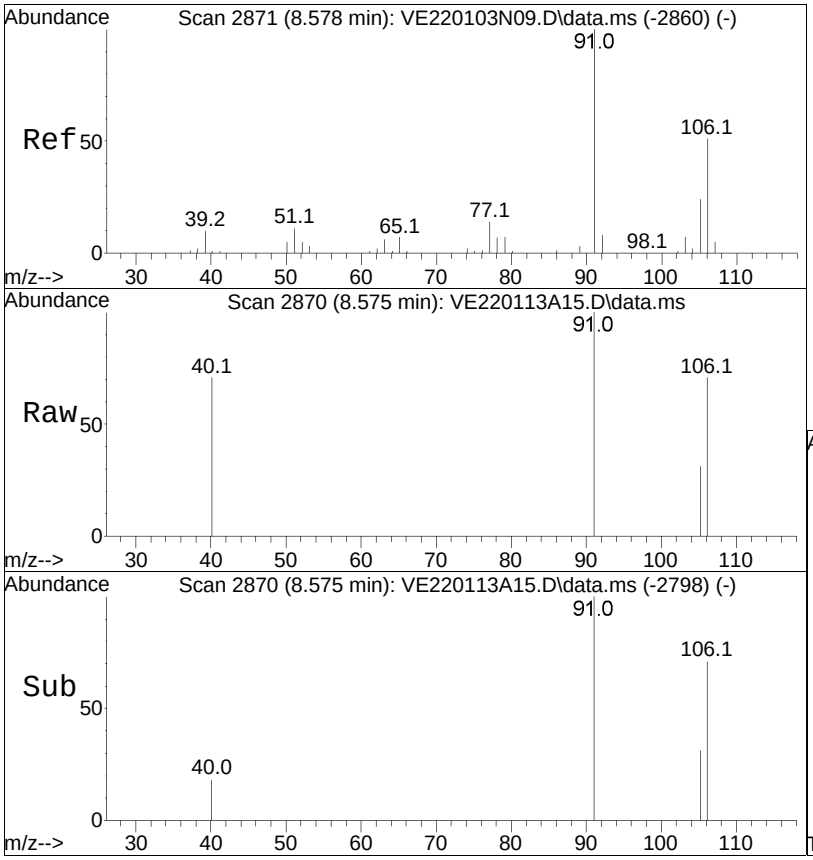


#74
Ethylbenzene
Concen: 2.09 ug/L
RT: 8.469 min Scan# 2832
Delta R.T. 0.002 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion: 91 Resp: 19616

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.3	36.5

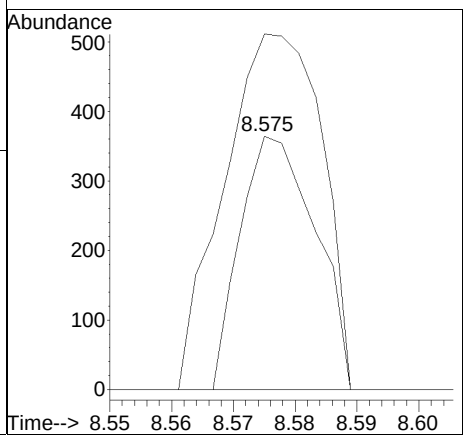


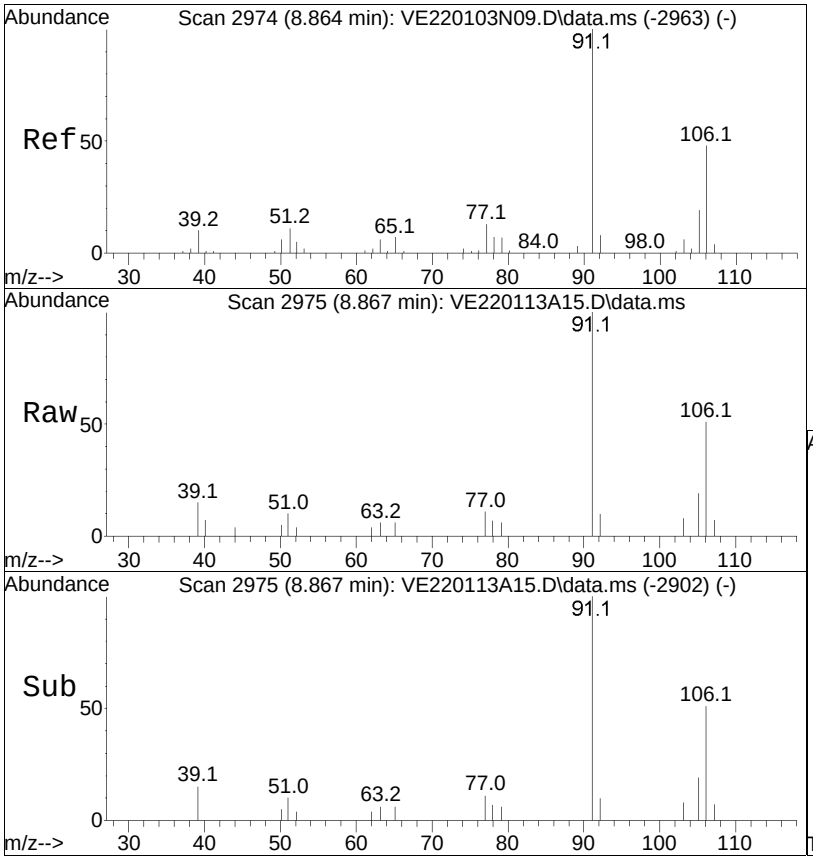


#76
p/m Xylene
Concen: 0.08 ug/L
RT: 8.575 min Scan# 2870
Delta R.T. 0.000 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion:106 Resp: 308

Ion	Ratio	Lower	Upper
106	100		
91	0.0	166.4	249.6#

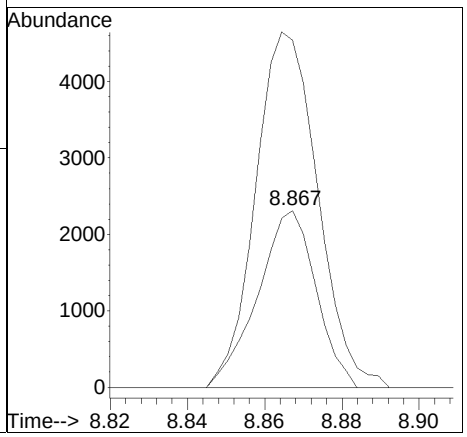


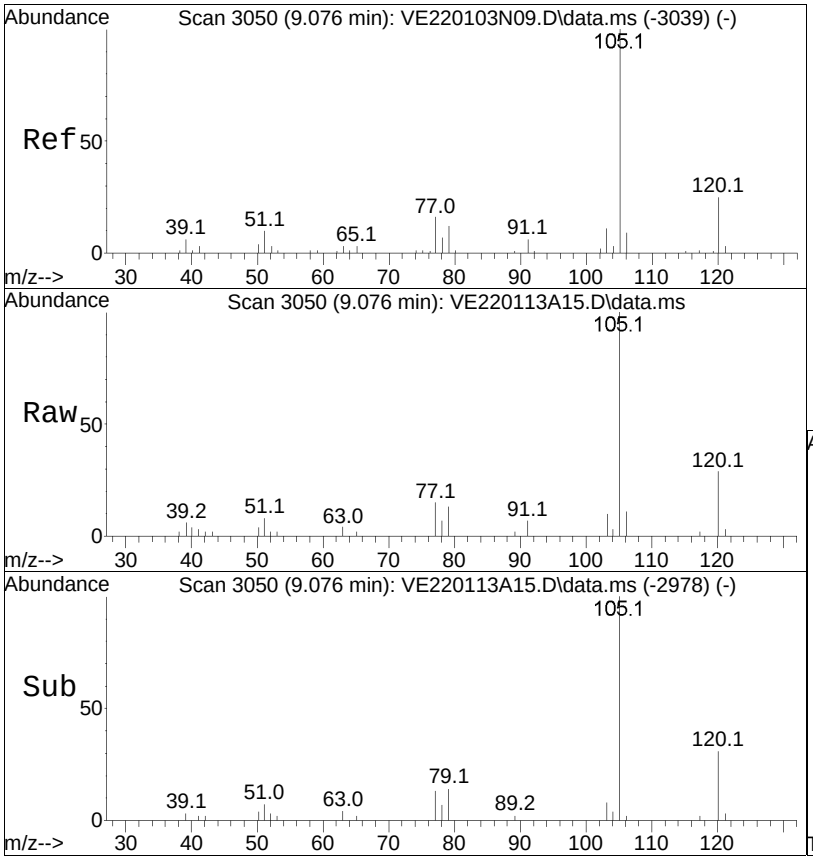


#77
o Xylene
Concen: 0.71 ug/L
RT: 8.867 min Scan# 2975
Delta R.T. 0.002 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion:106 Resp: 2422

Ion	Ratio	Lower	Upper
106	100		
91	214.4	182.6	273.8

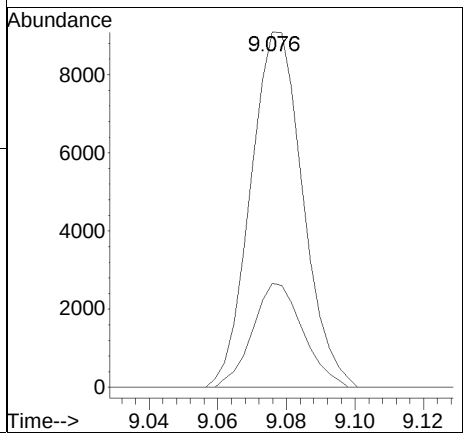


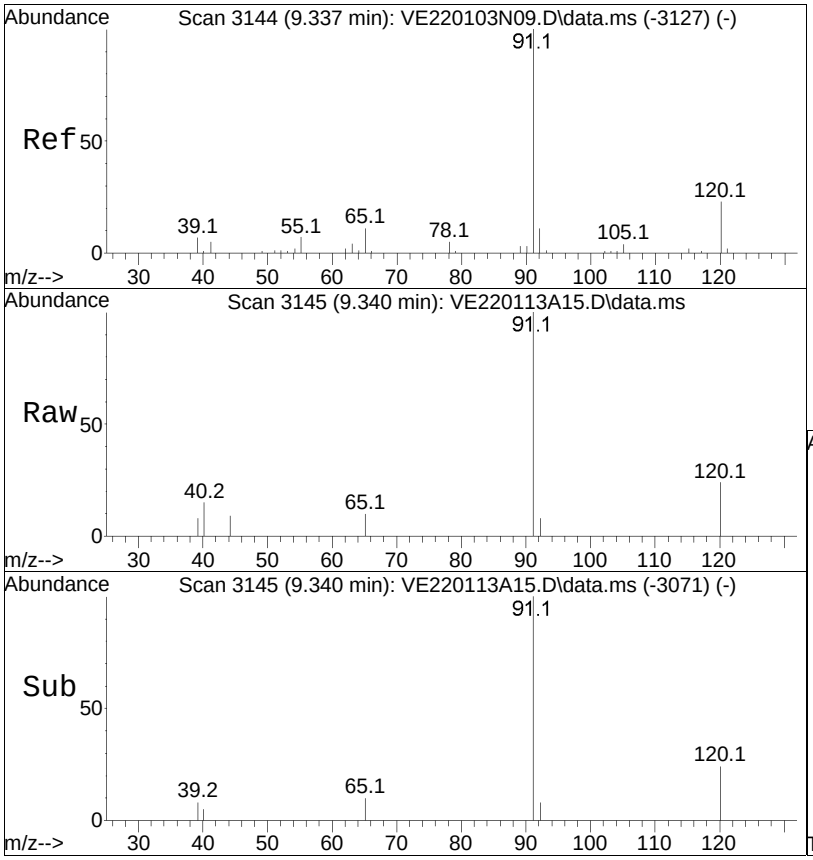


#82
Isopropylbenzene
Concen: 1.10 ug/L
RT: 9.076 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion:105 Resp: 9636

Ion	Ratio	Lower	Upper
105	100		
120	28.3	4.8	44.8

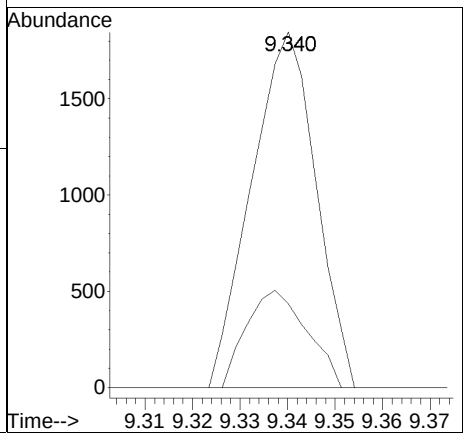


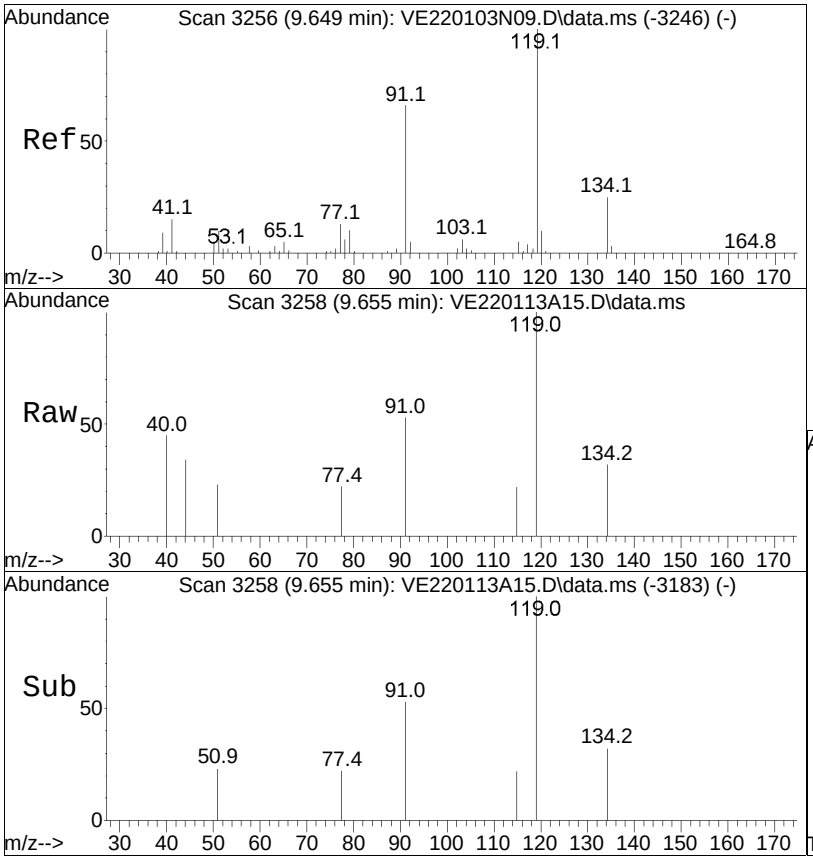


#85
n-Propylbenzene
Concen: 0.17 ug/L
RT: 9.340 min Scan# 3145
Delta R.T. 0.005 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion: 91 Resp: 1740

Ion	Ratio	Lower	Upper
91	100		
120	25.7	17.0	25.6#

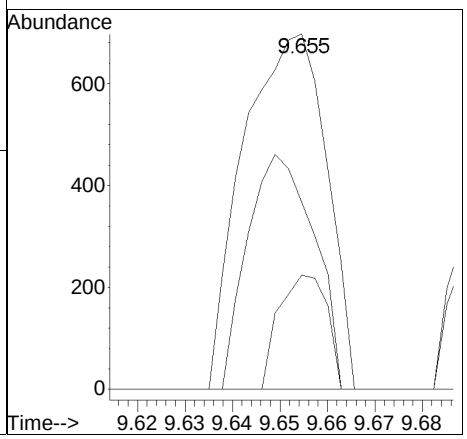


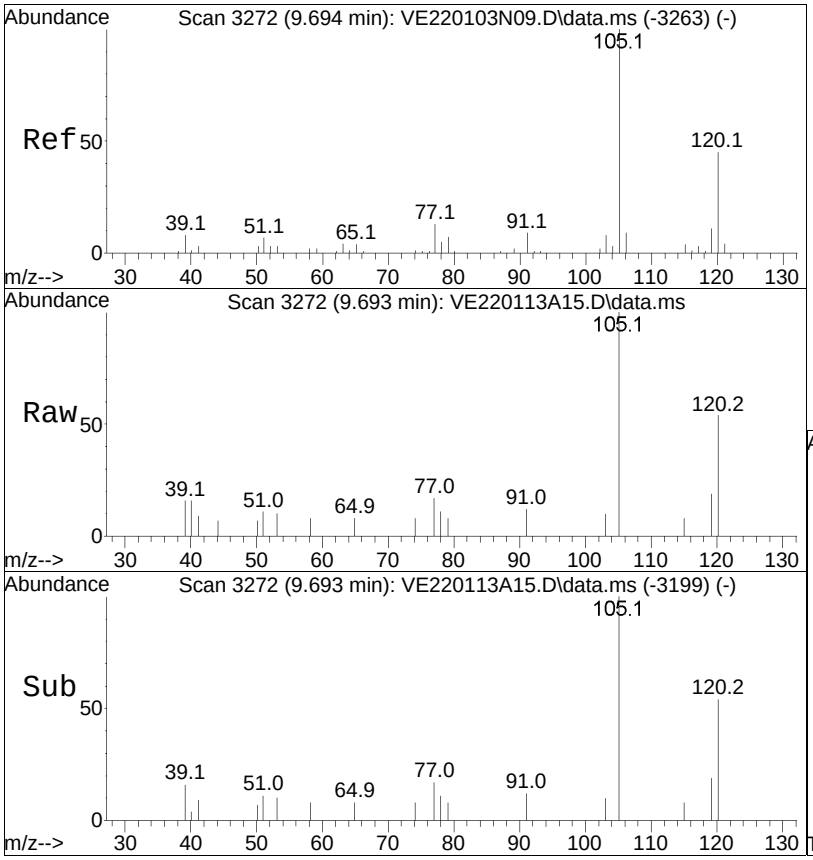


#94
tert-Butylbenzene
Concen: 0.14 ug/L
RT: 9.655 min Scan# 3258
Delta R.T. 0.009 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion:119 Resp: 845

Ion	Ratio	Lower	Upper
119	100		
91	53.0	51.4	77.2
134	18.6	18.3	27.5

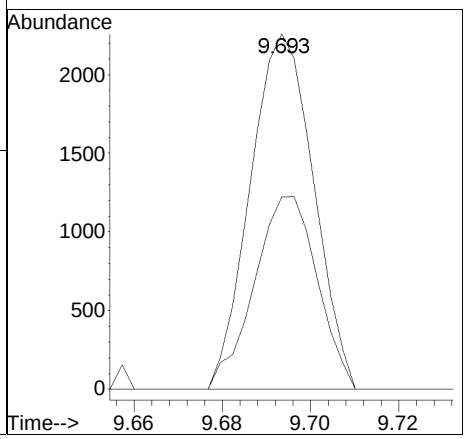


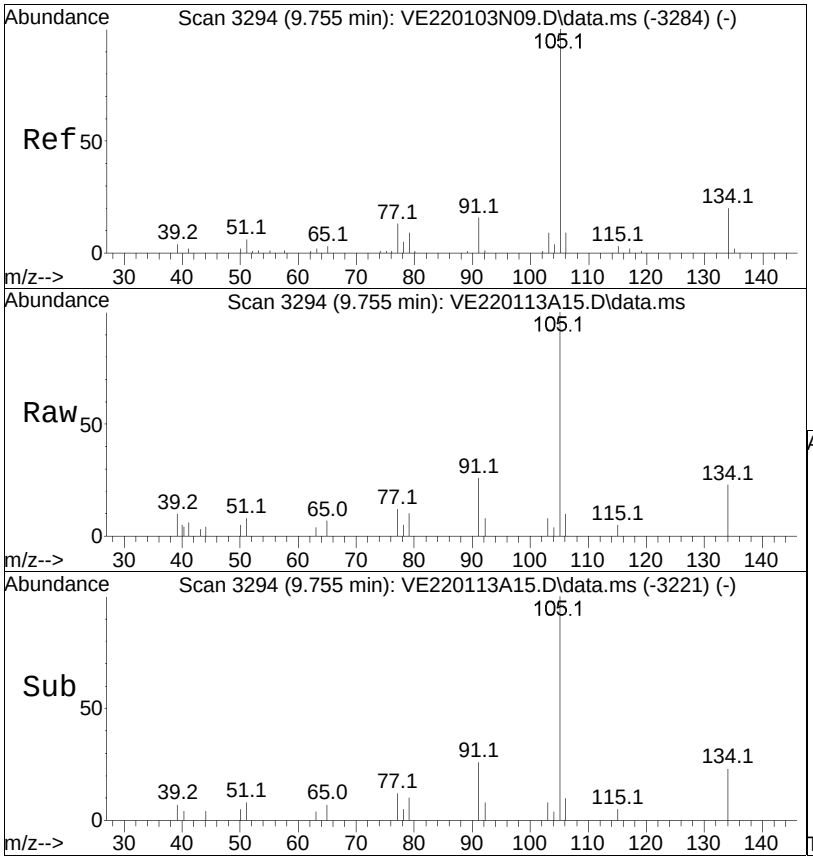


#97
1,2,4-Trimethylbenzene
Concen: 0.31 ug/L
RT: 9.693 min Scan# 3272
Delta R.T. 0.002 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion:105 Resp: 2250

Ion	Ratio	Lower	Upper
105	100		
120	54.0	33.4	50.0#

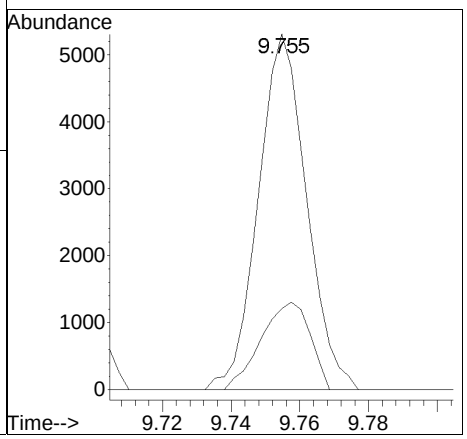


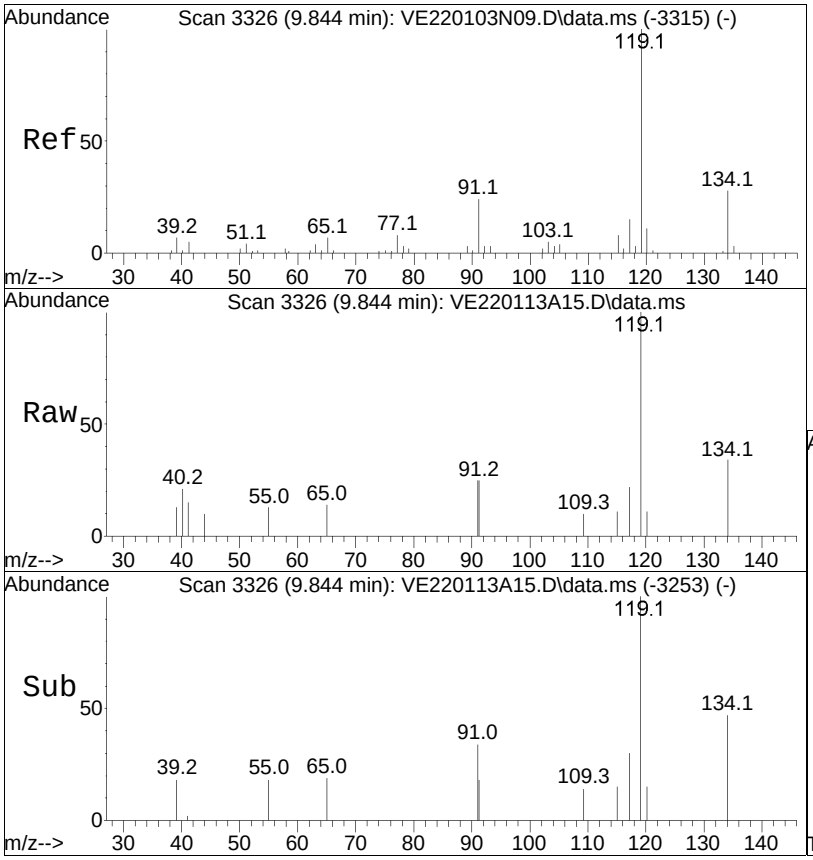


#98
sec-Butylbenzene
Concen: 0.57 ug/L
RT: 9.755 min Scan# 3294
Delta R.T. 0.003 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion:105 Resp: 5171

Ion	Ratio	Lower	Upper
105	100		
134	24.9	12.5	26.1

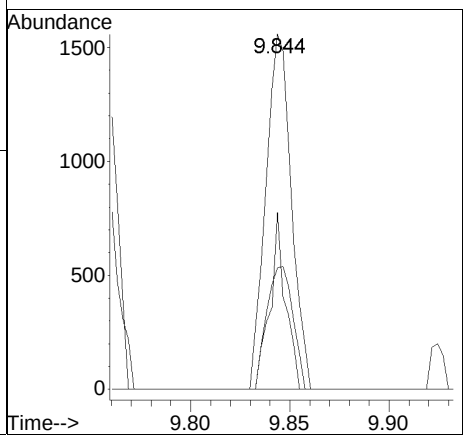


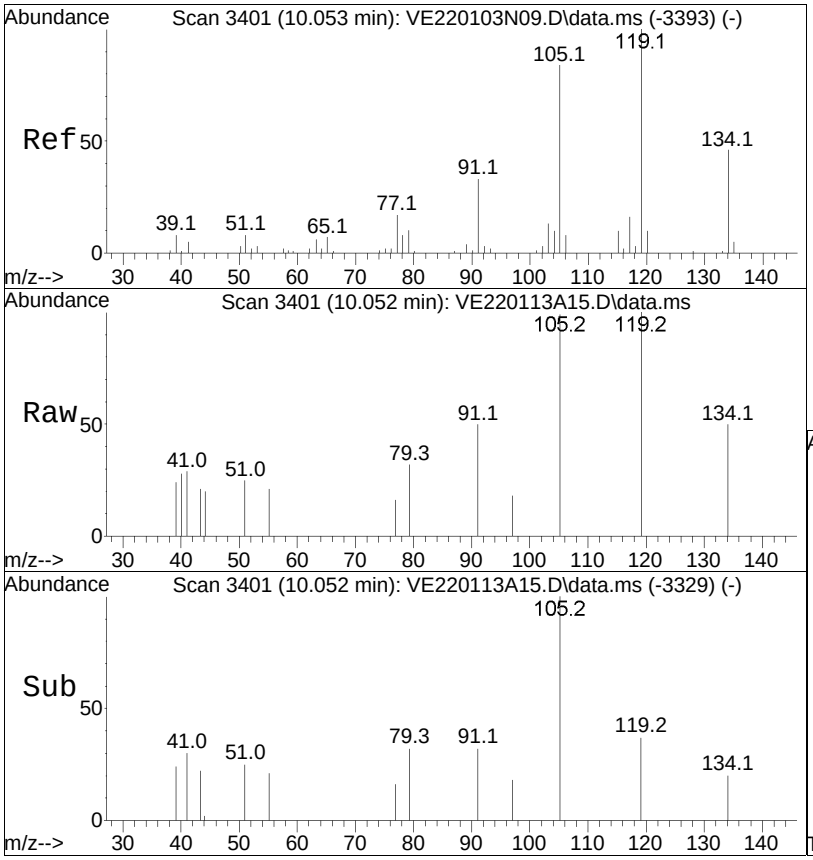


#99
p-Isopropyltoluene
Concen: 0.18 ug/L M3
RT: 9.844 min Scan# 3326
Delta R.T. 0.003 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion:119 Resp: 1397

Ion	Ratio	Lower	Upper
119	100		
134	11.0	16.1	33.3#
91	14.6	17.3	35.9#

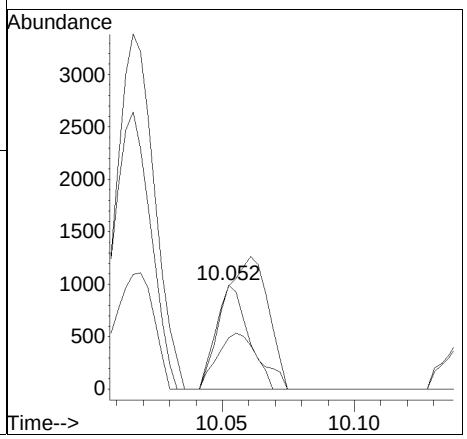


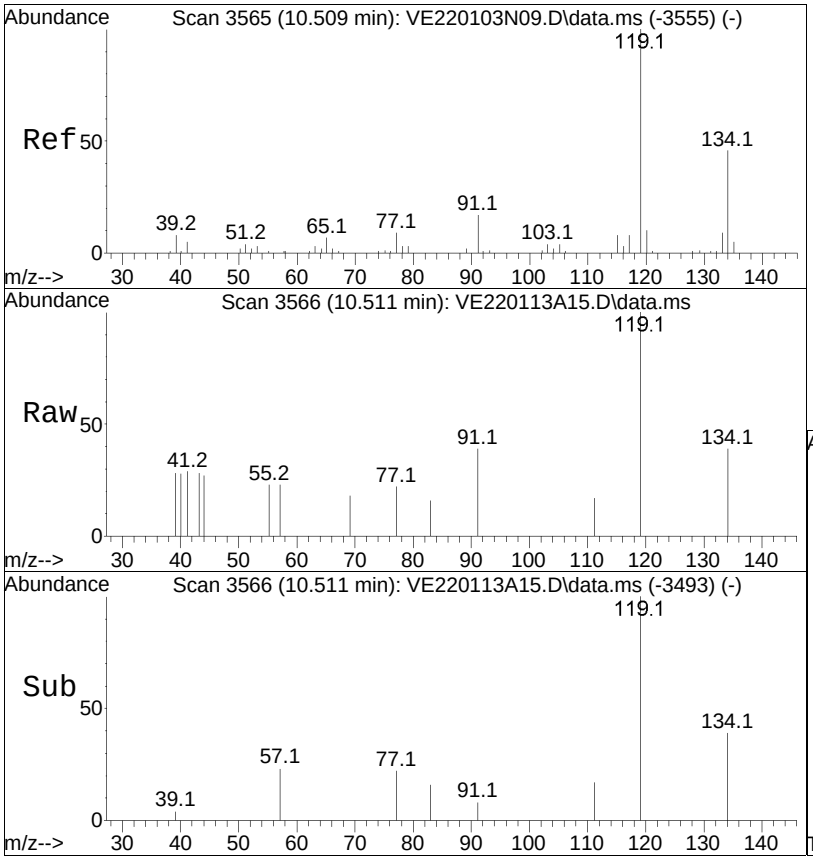


#102
p-Diethylbenzene
Concen: 0.20 ug/L M3
RT: 10.052 min Scan# 3401
Delta R.T. -0.001 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion:119 Resp: 879

Ion	Ratio	Lower	Upper
119	100		
105	291.7	59.5	123.7#
134	127.5	30.2	62.6#

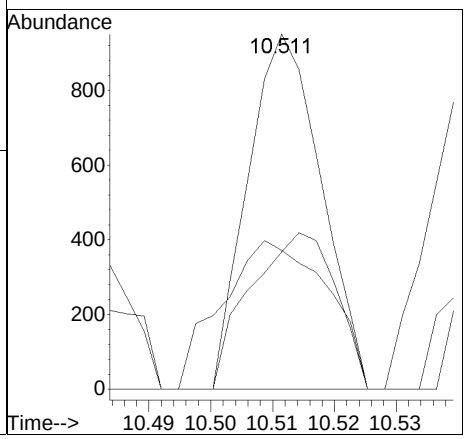


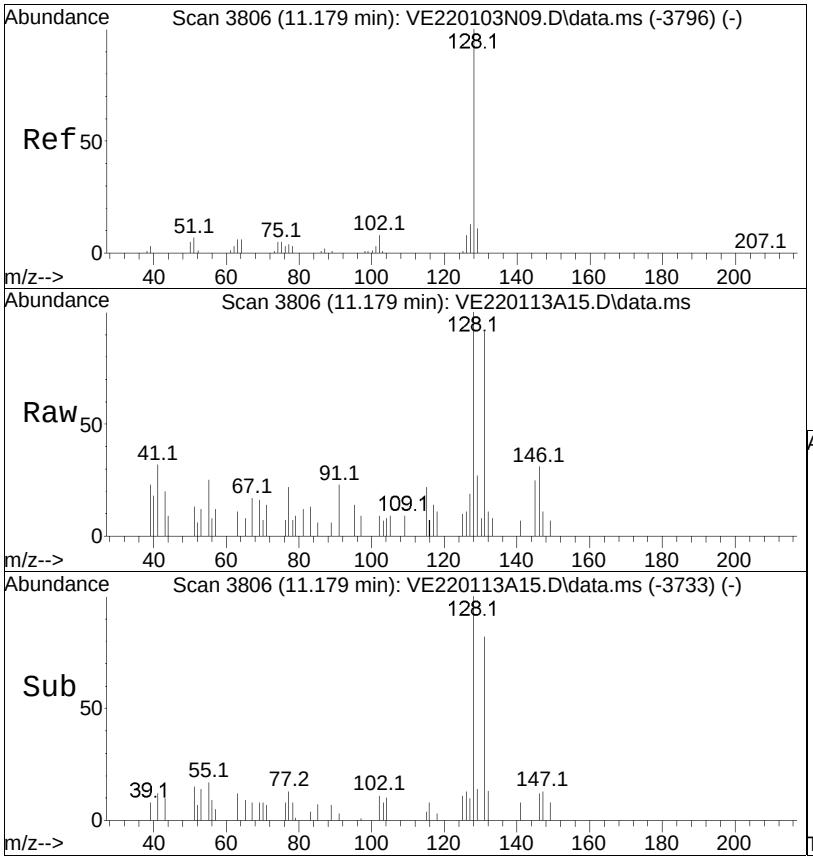


#105
1,2,4,5-Tetramethylbenzene
Concen: 0.11 ug/L
RT: 10.511 min Scan# 3566
Delta R.T. 0.002 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion:119 Resp: 786

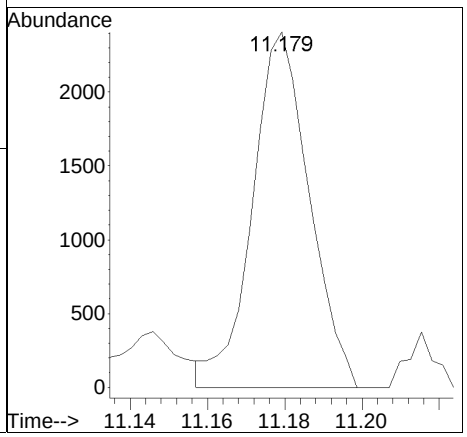
Ion	Ratio	Lower	Upper
119	100		
134	51.3	30.5	63.3
91	59.9	12.4	25.7#





#110
Naphthalene
Concen: 0.55 ug/L
RT: 11.179 min Scan# 3806
Delta R.T. 0.002 min
Lab File: VE220113A15.D
Acq: 13 Jan 2022 3:25 pm

Tgt Ion:128 Resp: 2463

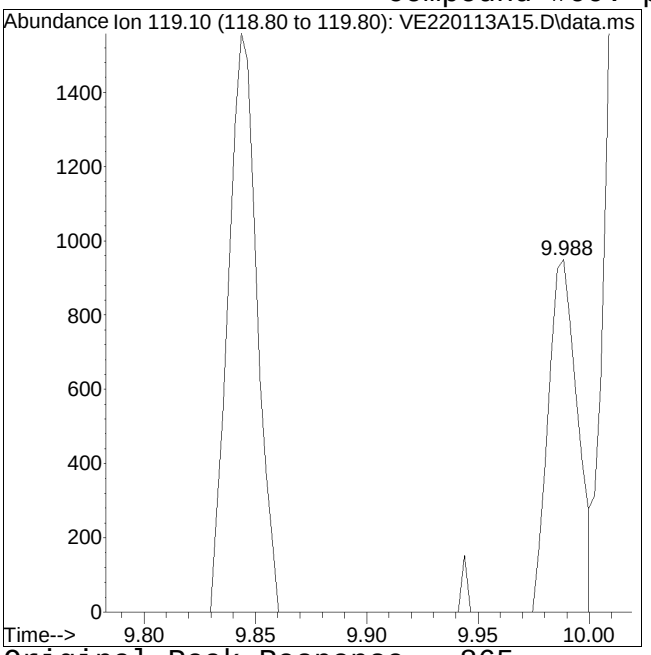


Manual Integration Report

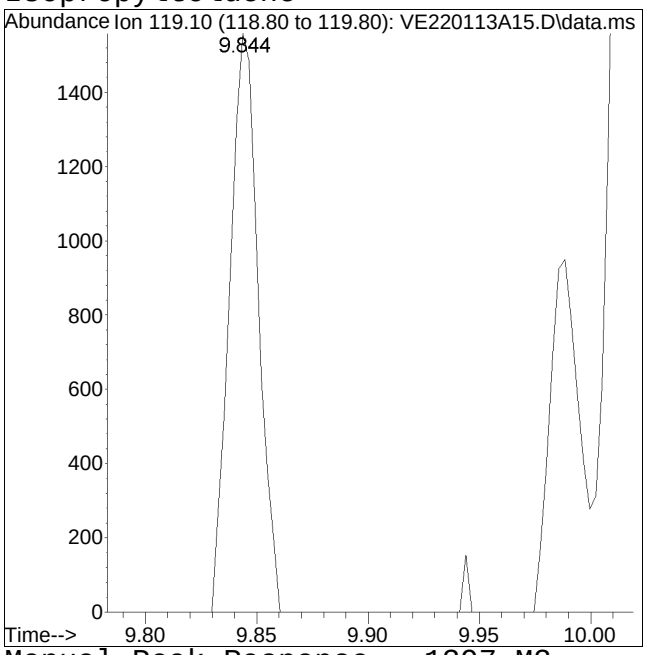
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220113A15.D
Date Inj'd : 1/13/2022 3:25 pm
Sample : L2200912-04,31,10,10,,A,PR

Method : Elaine_220103N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 1/14/2022 12:00 pm

Compound #99: p-Isopropyltoluene



Original Peak Response = 865



Manual Peak Response = 1397 M3

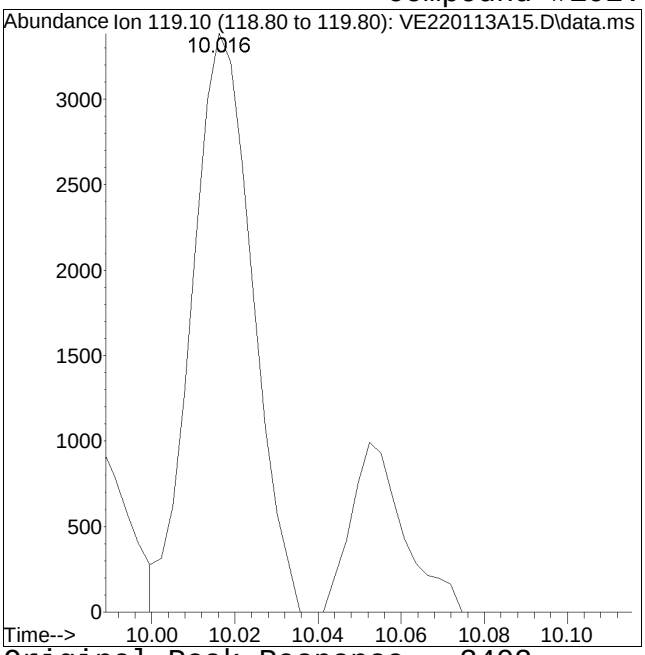
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

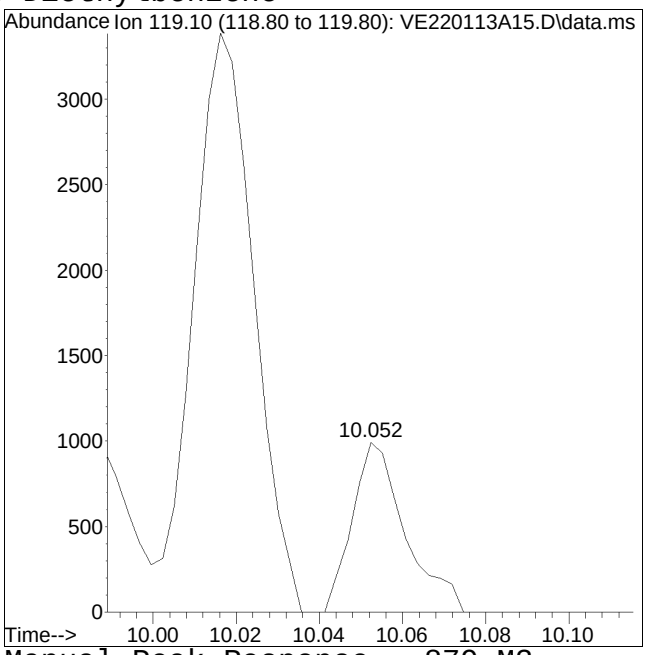
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220113A15.D
Date Inj'd : 1/13/2022 3:25 pm
Sample : L2200912-04,31,10,10,,A,PR

Method : Elaine_220103N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 1/14/2022 12:00 pm

Compound #102: p-Diethylbenzene





Original Peak Response = 3402 Manual Peak Response = 879 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A16.D
Acq On : 13 Jan 2022 3:45 pm
Operator : ELAINE:PD
Sample : L2200912-05,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:44:34 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.356	96	104847	10.000	ug/L	0.00
Standard Area 1 = 117975			Recovery = 88.87%			
59) Chlorobenzene-d5	8.417	117	80213	10.000	ug/L	0.00
Standard Area 1 = 86573			Recovery = 92.65%			
79) 1,4-Dichlorobenzene-d4	9.919	152	39896	10.000	ug/L	0.00
Standard Area 1 = 45323			Recovery = 88.03%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.352	113	27045	10.994	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.94%			
43) 1,2-Dichloroethane-d4	5.011	65	29971	11.377	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.77%			
60) Toluene-d8	7.084	98	104924	9.871	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.71%			
83) 4-Bromofluorobenzene	9.246	95	33750	9.932	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.013	85	26	N.D.		
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	0.000		0	N.D.	d	
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	1.350	64	58	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	1.800	76	81	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	2.396	96	514	0.288	ug/L #	60
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	3.673	96	1818	0.918	ug/L #	69
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A16.D
Acq On : 13 Jan 2022 3:45 pm
Operator : ELAINE:PD
Sample : L2200912-05,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:44:34 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D. d		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	4.819	78	1937	0.264	ug/L #	91
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.554	95	1759	0.941	ug/L #	85
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	6.080	63	57	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.131	92	1326	0.269	ug/L	92
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D. d		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.469	91	8623	0.923	ug/L	98
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.584	106	332	0.092	ug/L	83
77) o Xylene	8.867	106	813	0.238	ug/L #	71
78) Styrene	9.076	104	330	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.076	105	13337	1.616	ug/L	97
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	9.338	91	7246	0.758	ug/L	97
87) 1,1,2,2-Tetrachloroethane	9.410	83	25	N.D.		
88) 4-Ethyltoluene	9.466	105	371	N.D.		
89) 2-Chlorotoluene	0.000		0	N.D. d		
90) 1,3,5-Trimethylbenzene	9.407	105	272	N.D.		
91) 1,2,3-Trichloropropane	9.521	75	25	N.D.		
92) trans-1,4-Dichloro-2-b...	9.632	53	25	N.D.		
93) 4-Chlorotoluene	9.588	91	387	N.D.		
94) tert-Butylbenzene	9.649	119	1459	0.253	ug/L #	94

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A16.D
Acq On : 13 Jan 2022 3:45 pm
Operator : ELAINE:PD
Sample : L2200912-05,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:44:34 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97) 1,2,4-Trimethylbenzene	9.694	105	422	N.D.			
98) sec-Butylbenzene	9.755	105	9385	1.103	ug/L		96
99) p-Isopropyltoluene	0.000		0	N.D.	d		
100) 1,3-Dichlorobenzene	0.000		0	N.D.			
101) 1,4-Dichlorobenzene	0.000		0	N.D.			
102) p-Diethylbenzene	10.055	119	1998	0.470	ug/L		96
103) n-Butylbenzene	10.086	91	1012	0.164	ug/L	#	87
104) 1,2-Dichlorobenzene	0.000		0	N.D.			
105) 1,2,4,5-Tetramethylben...	10.512	119	5098	0.788	ug/L	#	90
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108) Hexachlorobutadiene	0.000		0	N.D.			
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
110) Naphthalene	11.179	128	6981	1.647	ug/L		100
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.			

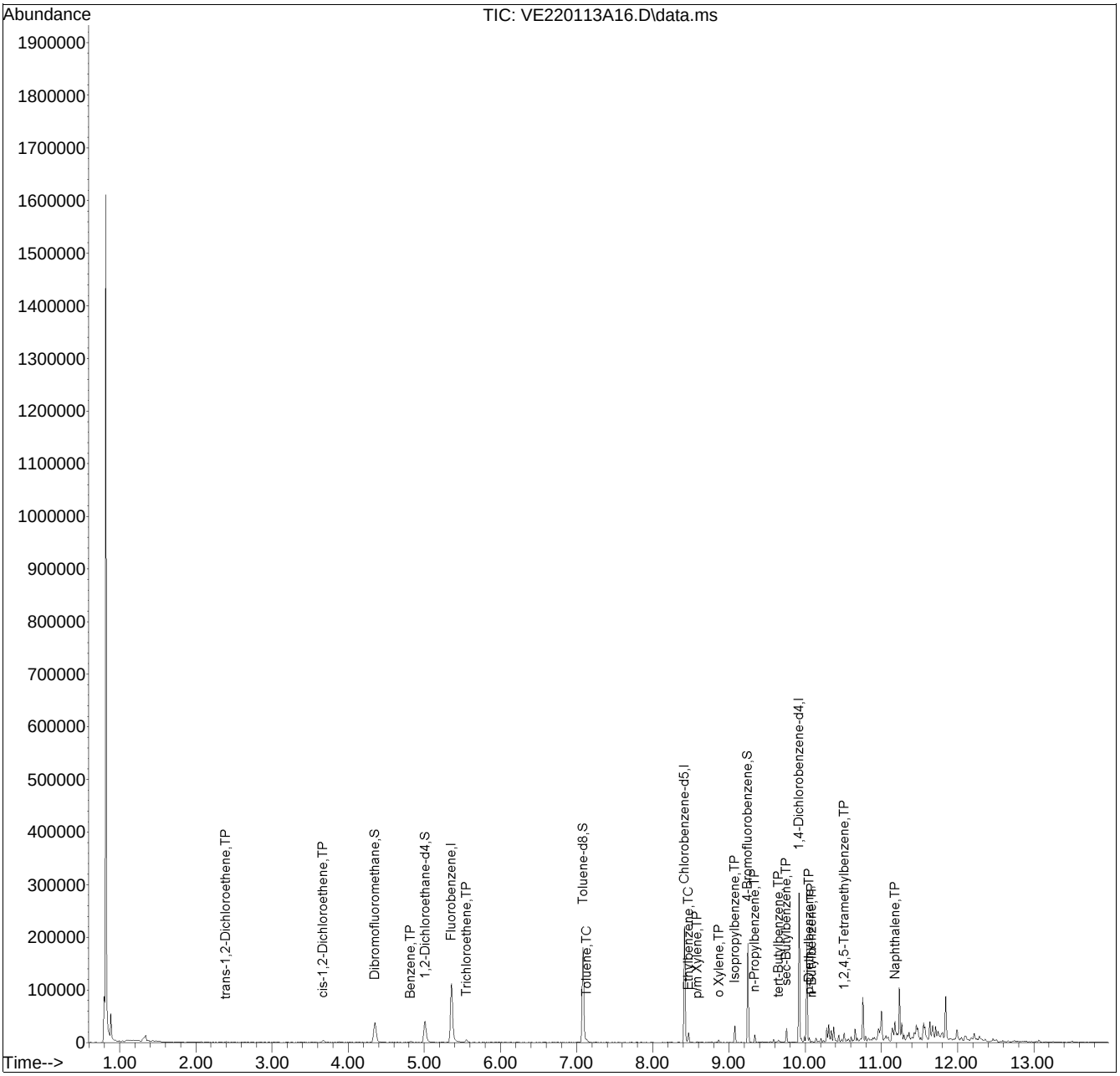
(#) = qualifier out of range (m) = manual integration (+) = signals summed

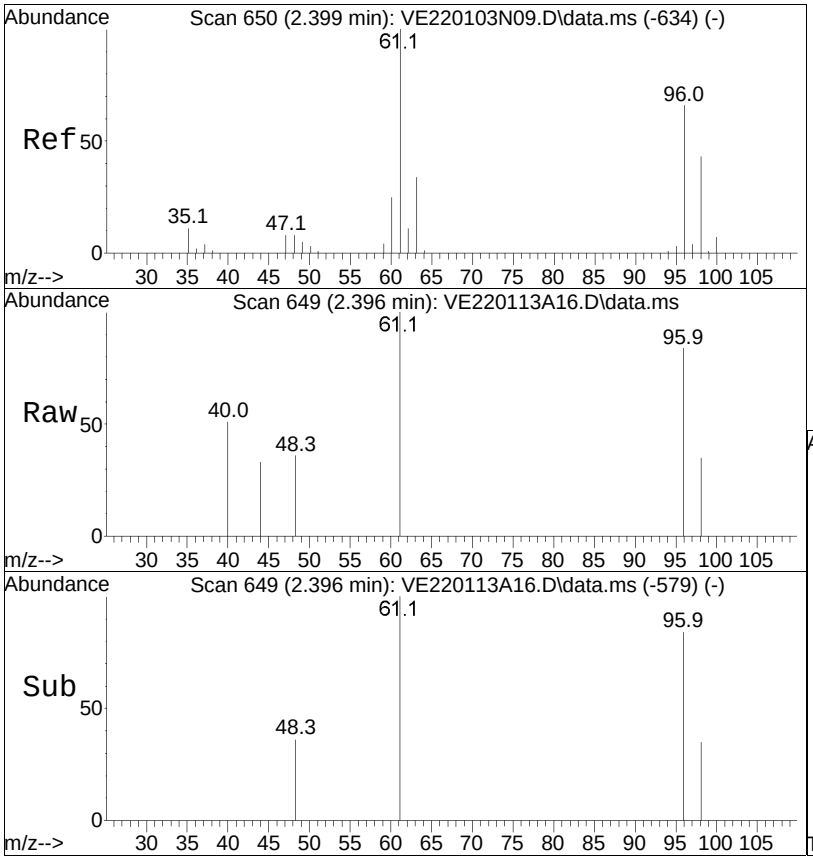
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A16.D
Acq On : 13 Jan 2022 3:45 pm
Operator : ELAINE:PD
Sample : L2200912-05,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:44:34 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20113A\VE220113A02.D•

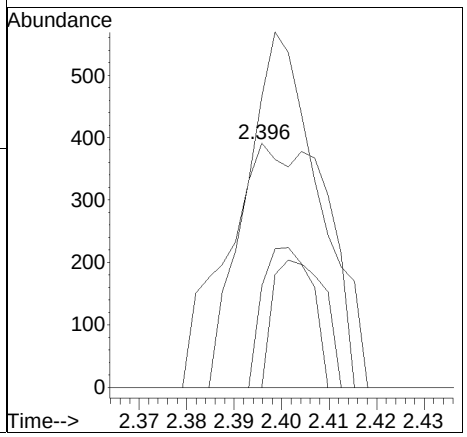


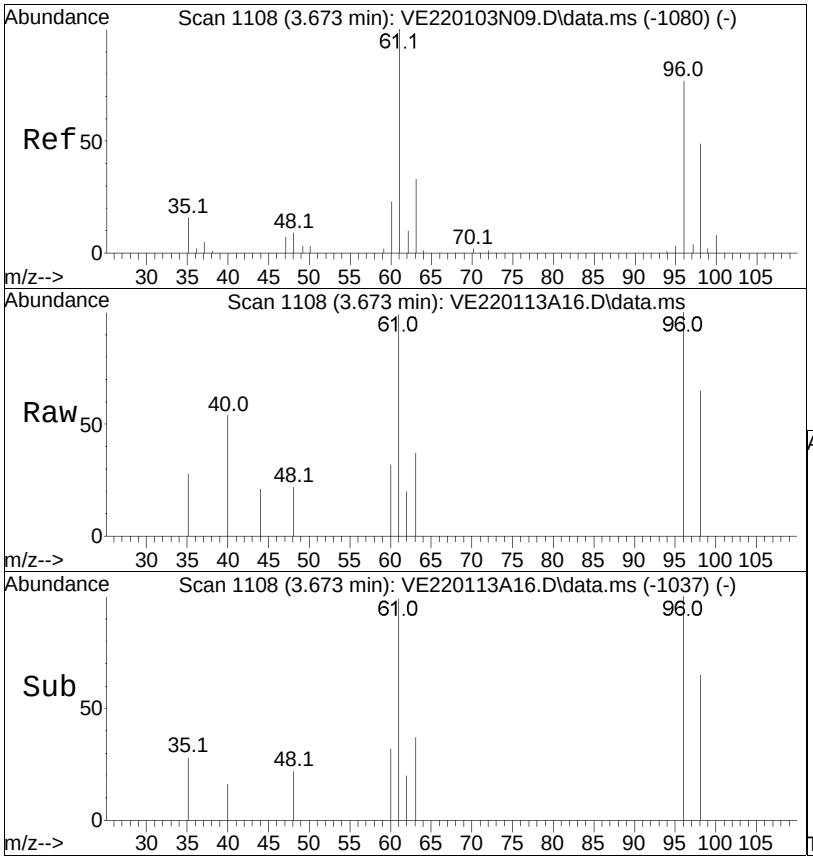


#18
trans-1,2-Dichloroethene
Concen: 0.29 ug/L
RT: 2.396 min Scan# 649
Delta R.T. -0.005 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion: 96 Resp: 514

Ion	Ratio	Lower	Upper
96	100		
61	130.9	124.0	257.6
98	37.0	41.2	85.6#
63	24.1	38.4	79.7#

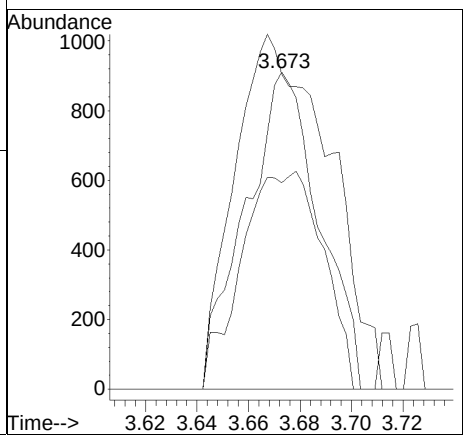


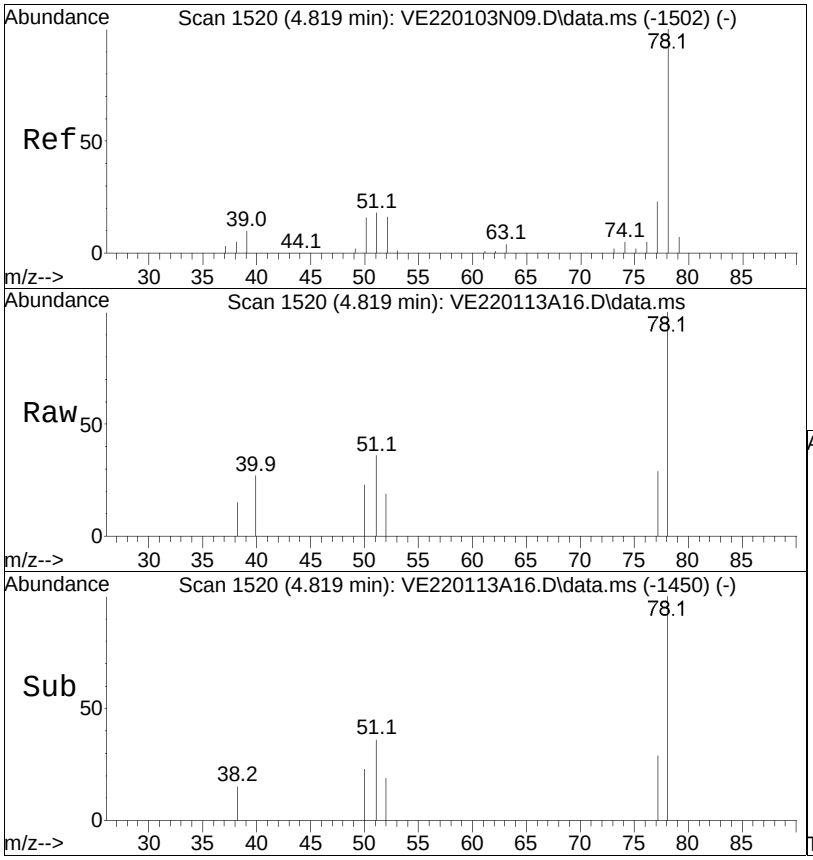


#28
cis-1,2-Dichloroethene
Concen: 0.92 ug/L
RT: 3.673 min Scan# 1108
Delta R.T. -0.003 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion: 96 Resp: 1818

Ion	Ratio	Lower	Upper
96	100		
61	142.4	149.4	224.2#
98	40.2	53.4	80.2#

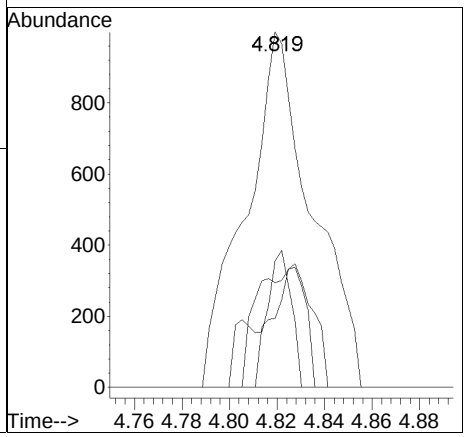


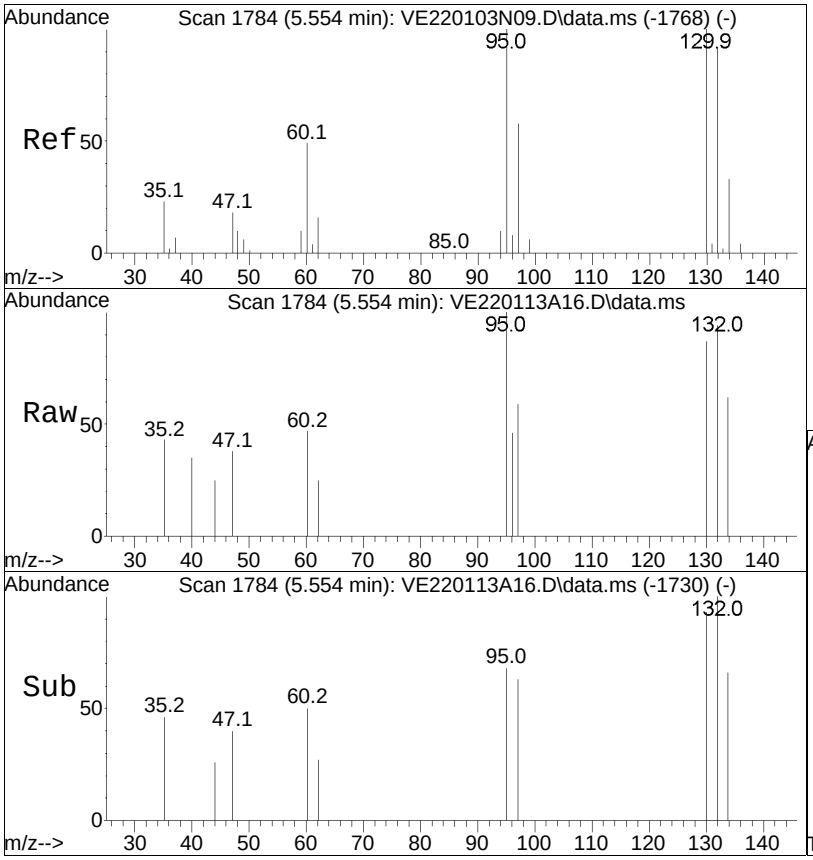


#41
Benzene
Concen: 0.26 ug/L
RT: 4.819 min Scan# 1520
Delta R.T. -0.006 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion: 78 Resp: 1937

Ion	Ratio	Lower	Upper
78	100		
77	24.3	15.7	32.7
51	13.8	16.0	33.2#
52	20.7	15.3	31.9

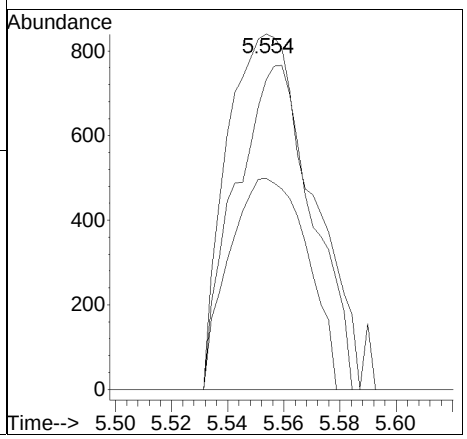


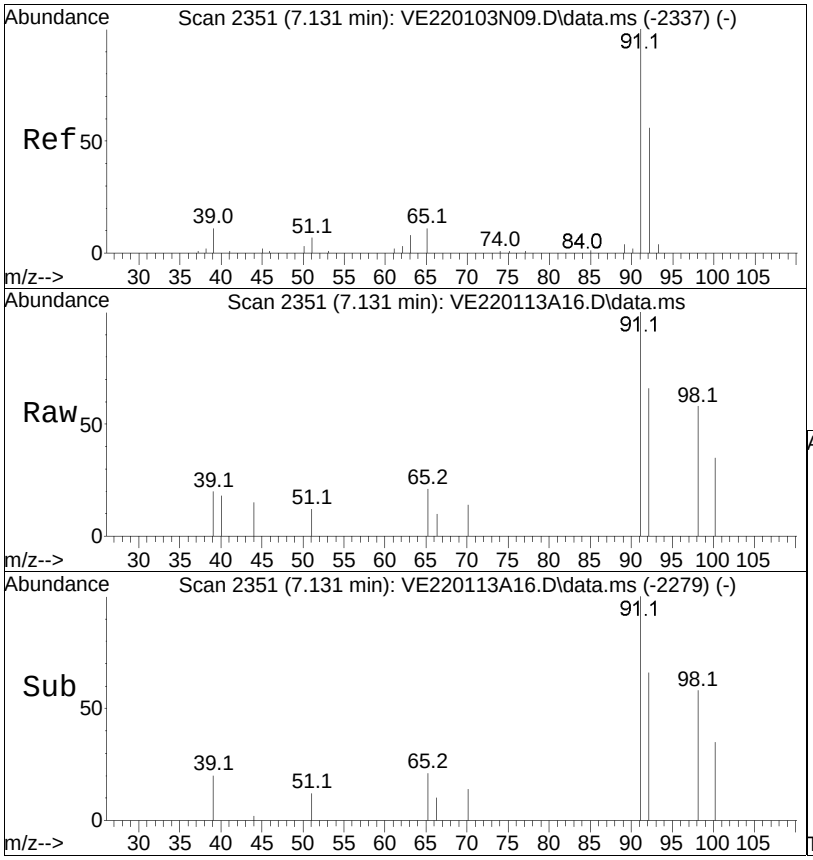


#48
Trichloroethene
Concen: 0.94 ug/L
RT: 5.554 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion: 95 Resp: 1759

Ion	Ratio	Lower	Upper
95	100		
97	54.6	55.5	83.3#
130	82.6	76.6	115.0

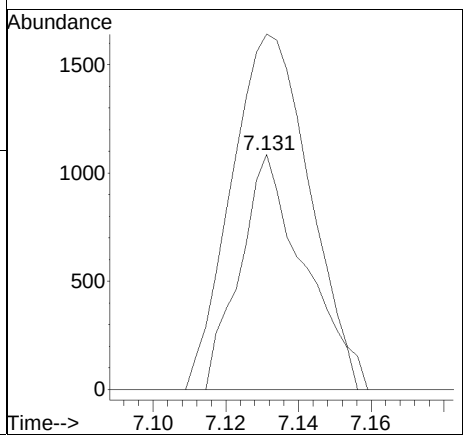


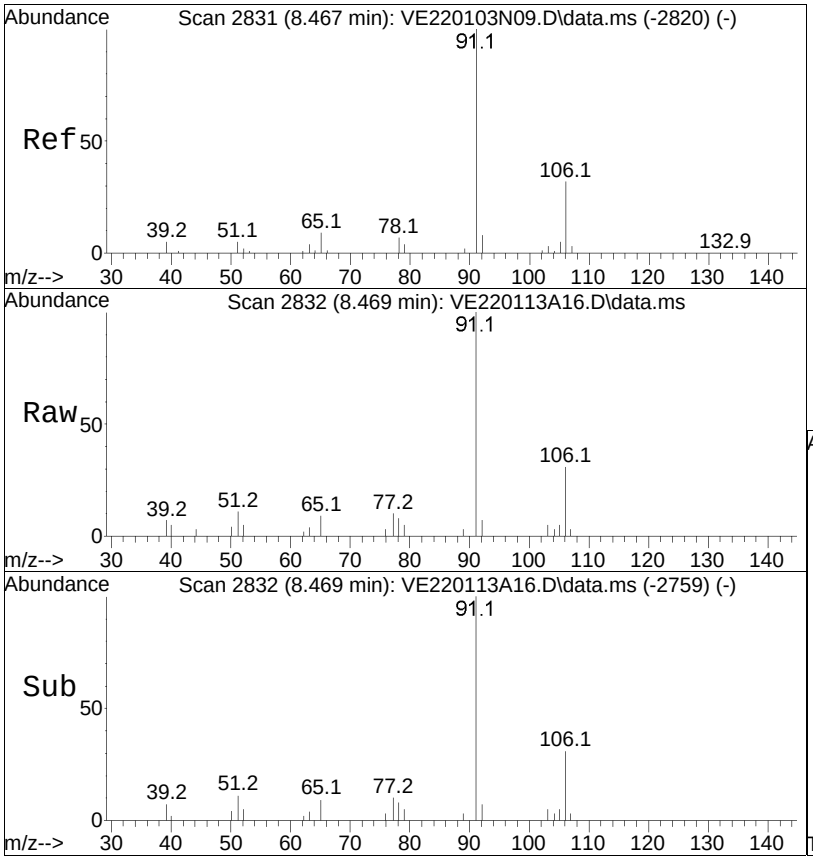


#61
Toluene
Concen: 0.27 ug/L
RT: 7.131 min Scan# 2351
Delta R.T. 0.000 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion: 92 Resp: 1326

Ion	Ratio	Lower	Upper
92	100		
91	186.3	139.8	209.6

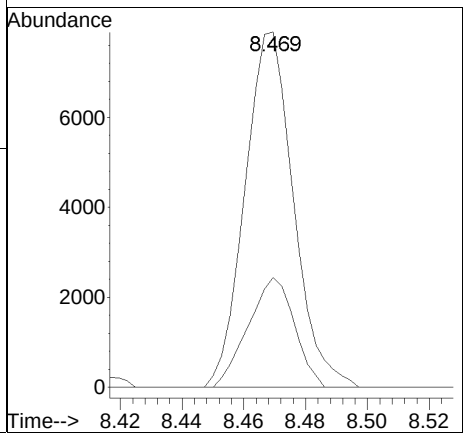


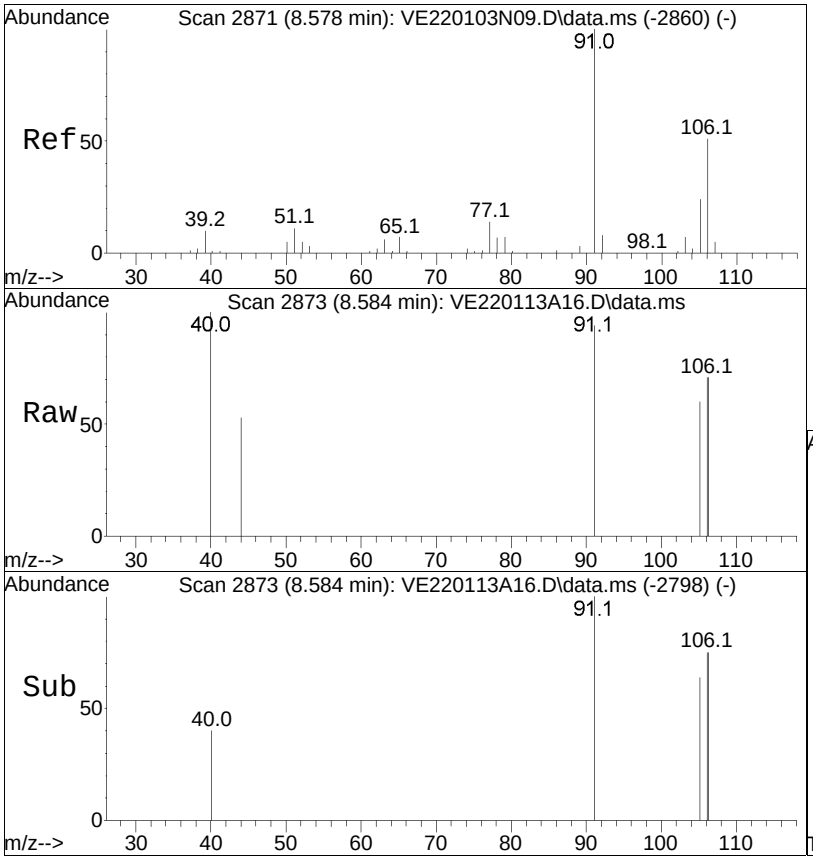


#74
Ethylbenzene
Concen: 0.92 ug/L
RT: 8.469 min Scan# 2832
Delta R.T. 0.002 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion: 91 Resp: 8623

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.3	36.5

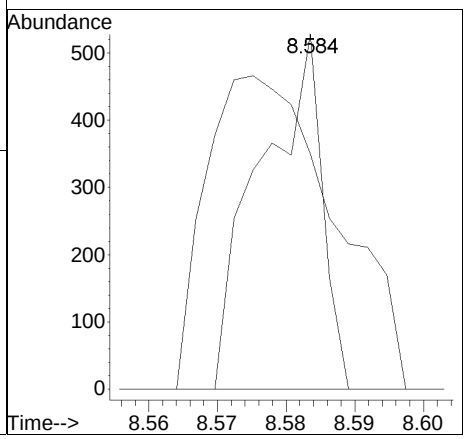


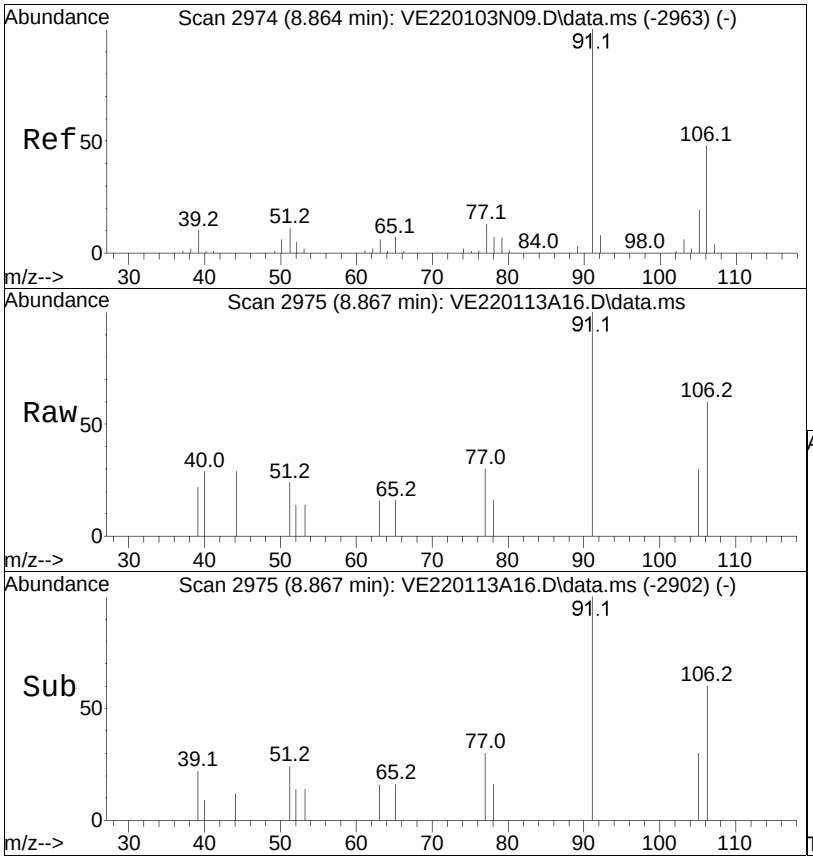


#76
p/m Xylene
Concen: 0.09 ug/L
RT: 8.584 min Scan# 2873
Delta R.T. 0.009 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion:106 Resp: 332

Ion	Ratio	Lower	Upper
106	100		
91	182.2	166.4	249.6

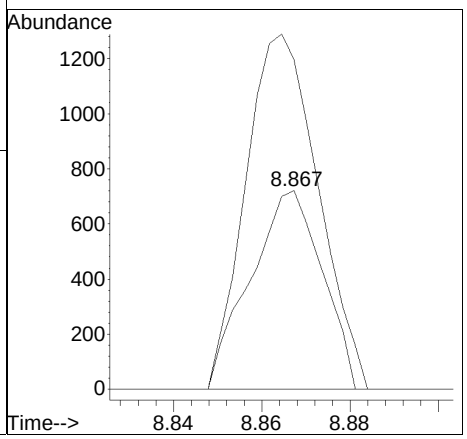


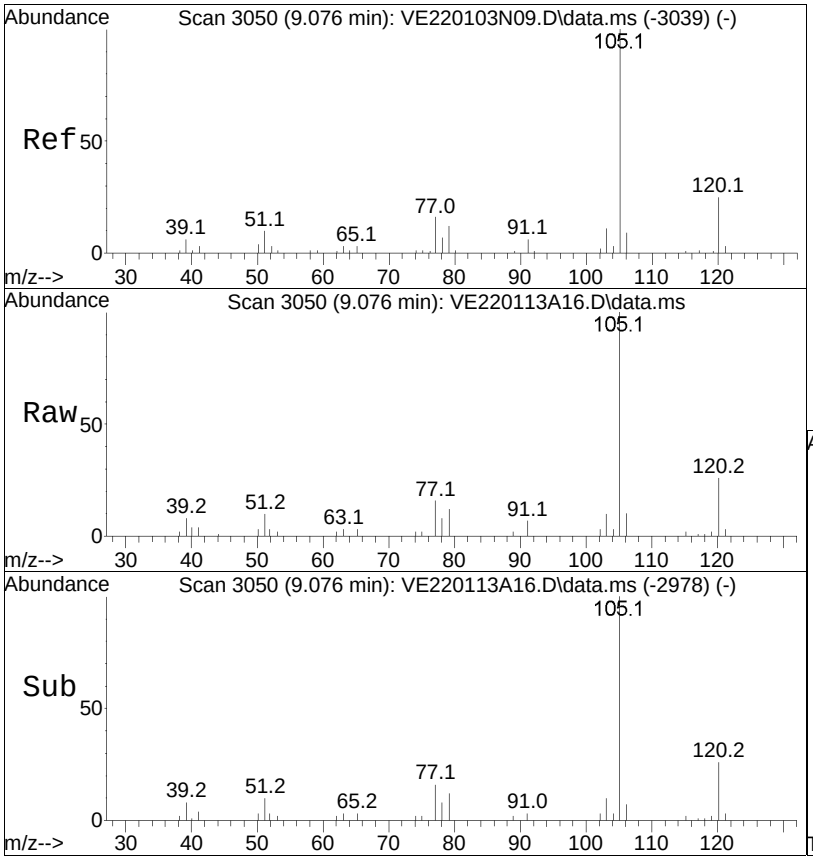


#77
o Xylene
Concen: 0.24 ug/L
RT: 8.867 min Scan# 2975
Delta R.T. 0.002 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion:106 Resp: 813

Ion	Ratio	Lower	Upper
106	100		
91	180.6	182.6	273.8#

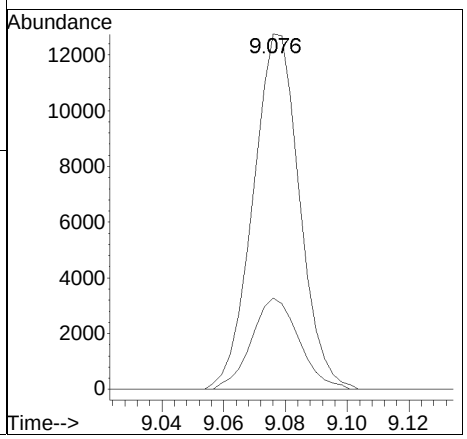


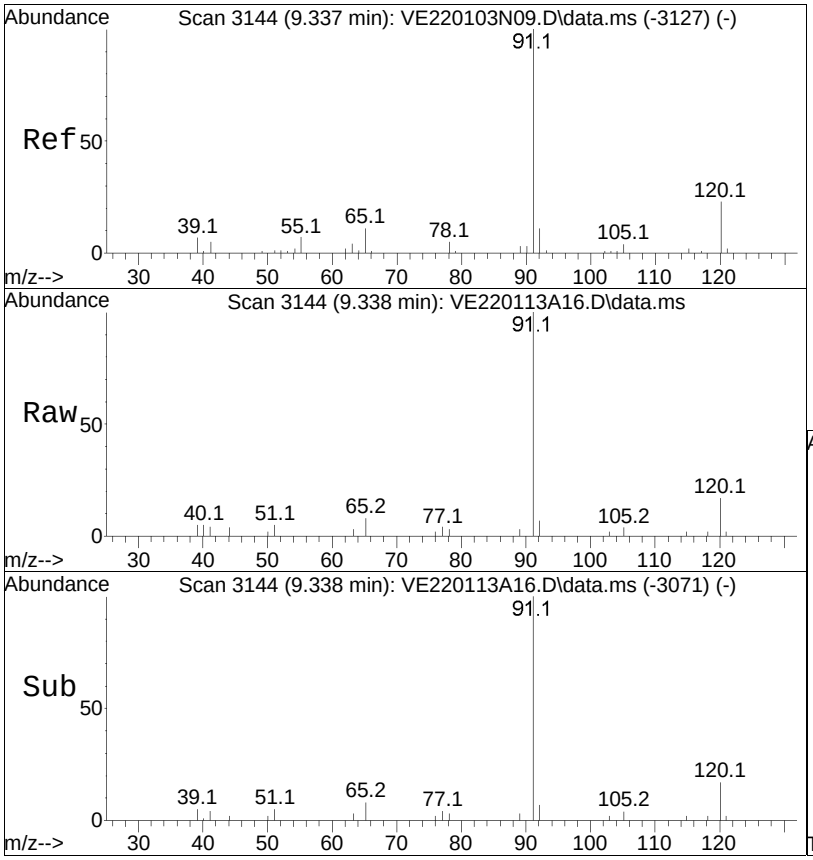


#82
Isopropylbenzene
Concen: 1.62 ug/L
RT: 9.076 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion:105 Resp: 13337

Ion	Ratio	Lower	Upper
105	100		
120	26.4	4.8	44.8

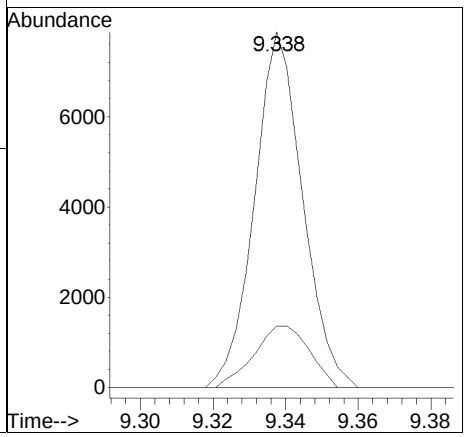


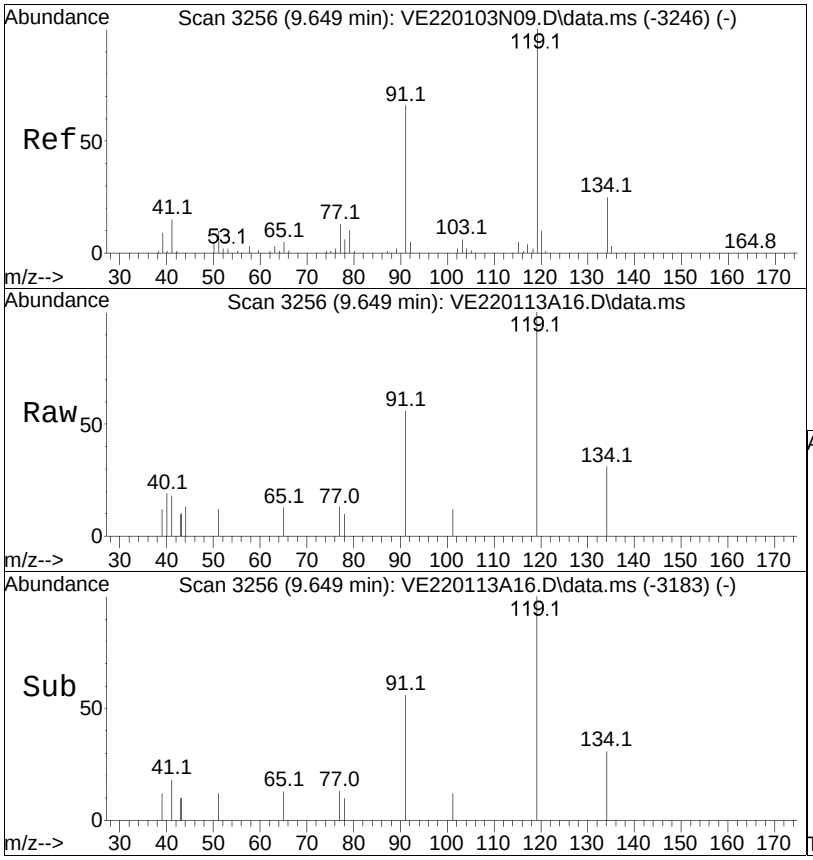


#85
n-Propylbenzene
Concen: 0.76 ug/L
RT: 9.338 min Scan# 3144
Delta R.T. 0.003 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion: 91 Resp: 7246

Ion	Ratio	Lower	Upper
91	100		
120	19.8	17.0	25.6

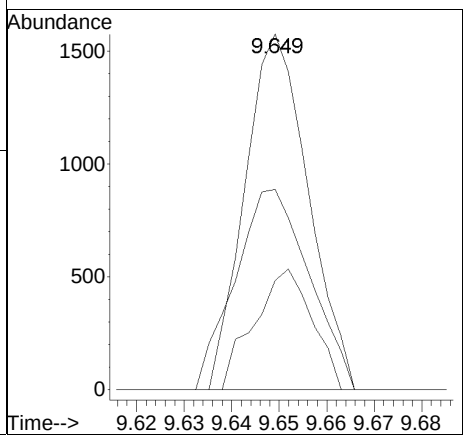


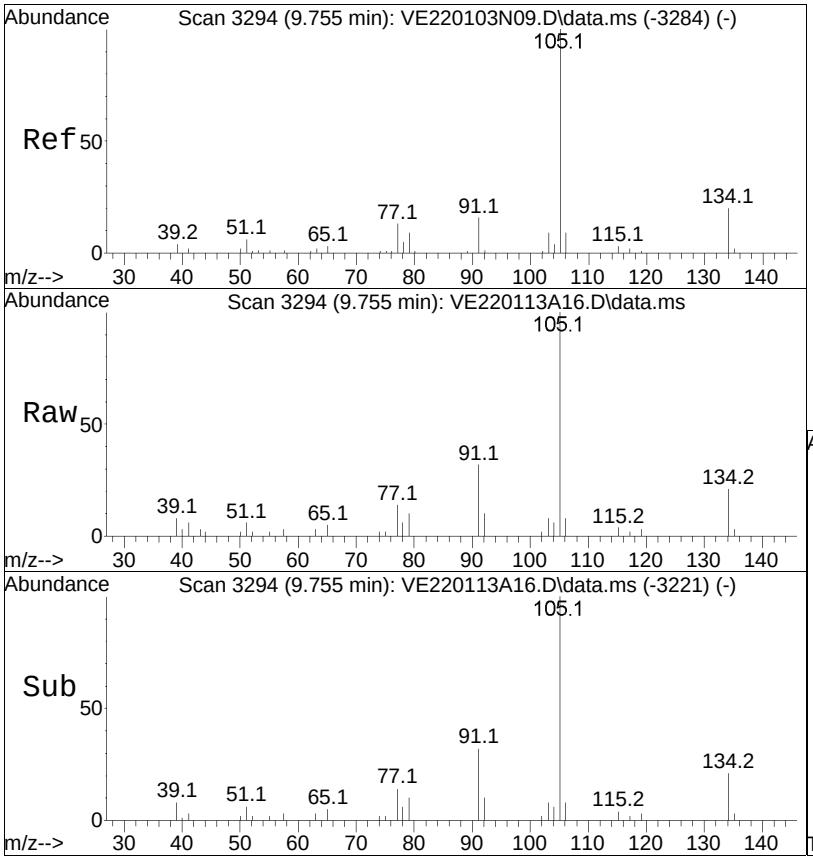


#94
tert-Butylbenzene
Concen: 0.25 ug/L
RT: 9.649 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion:119 Resp: 1459

Ion	Ratio	Lower	Upper
119	100		
91	65.8	51.4	77.2
134	31.0	18.3	27.5#

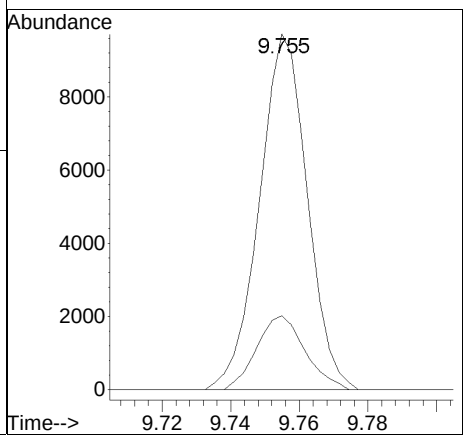


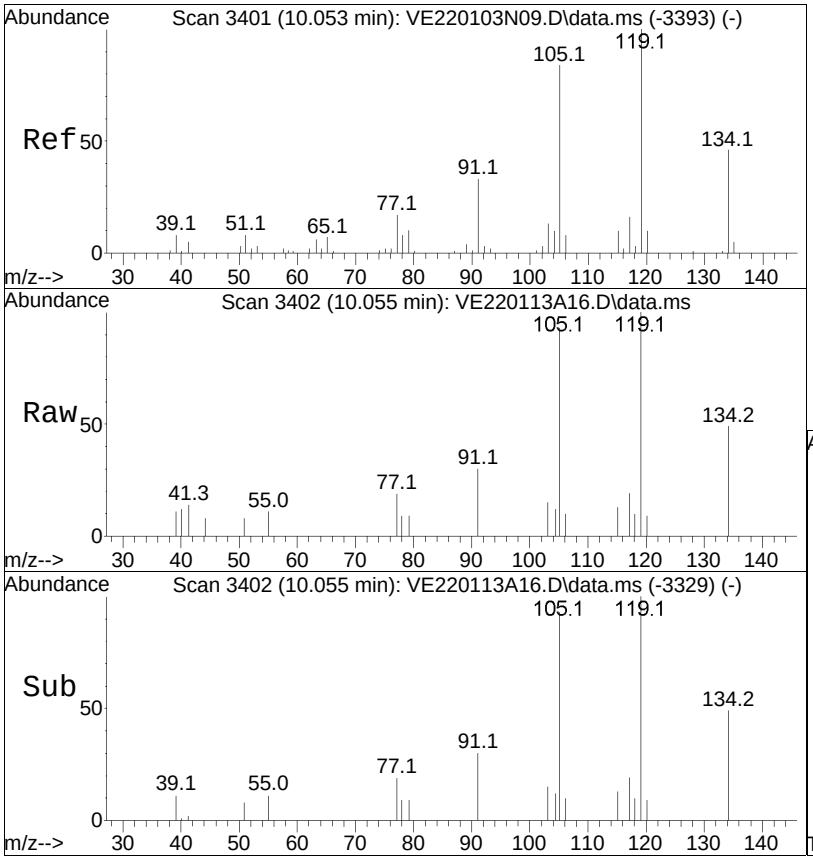


#98
sec-Butylbenzene
Concen: 1.10 ug/L
RT: 9.755 min Scan# 3294
Delta R.T. 0.003 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion:105 Resp: 9385

Ion	Ratio	Lower	Upper
105	100		
134	20.9	12.5	26.1

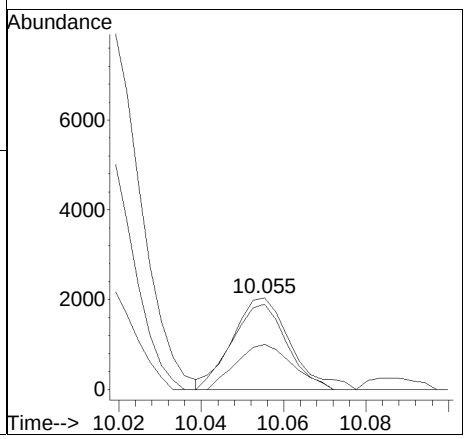


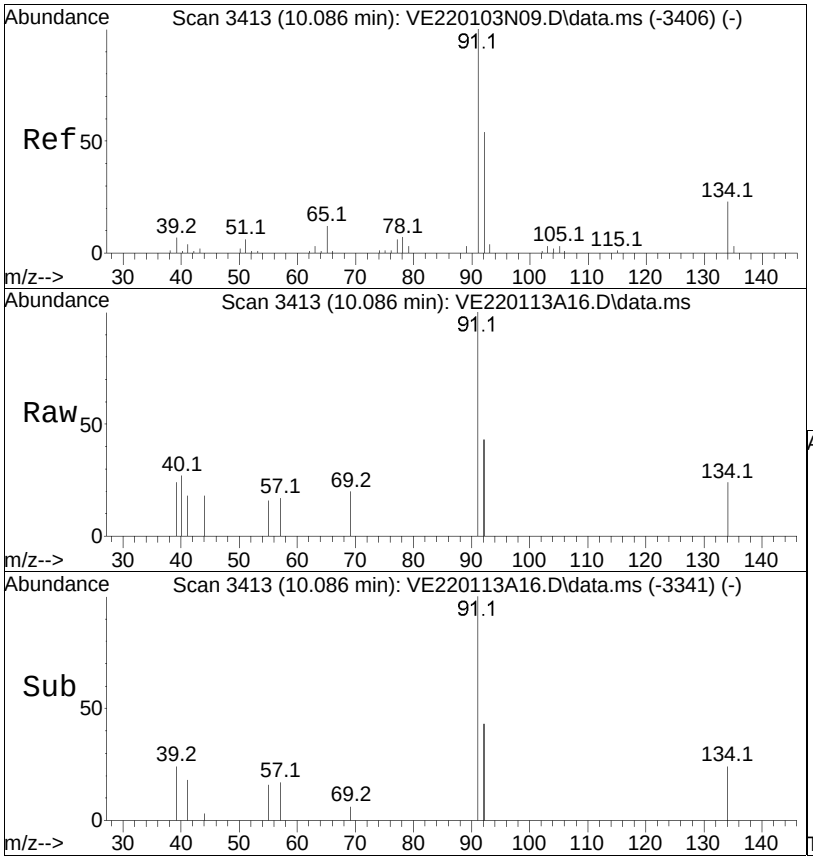


#102
p-Diethylbenzene
Concen: 0.47 ug/L
RT: 10.055 min Scan# 3402
Delta R.T. 0.002 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion:119 Resp: 1998

Ion	Ratio	Lower	Upper
119	100		
105	87.8	59.5	123.7
134	48.1	30.2	62.6

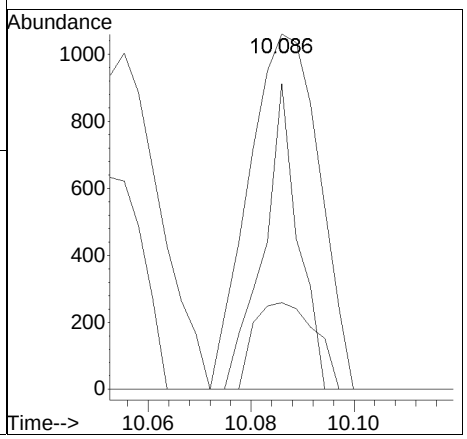


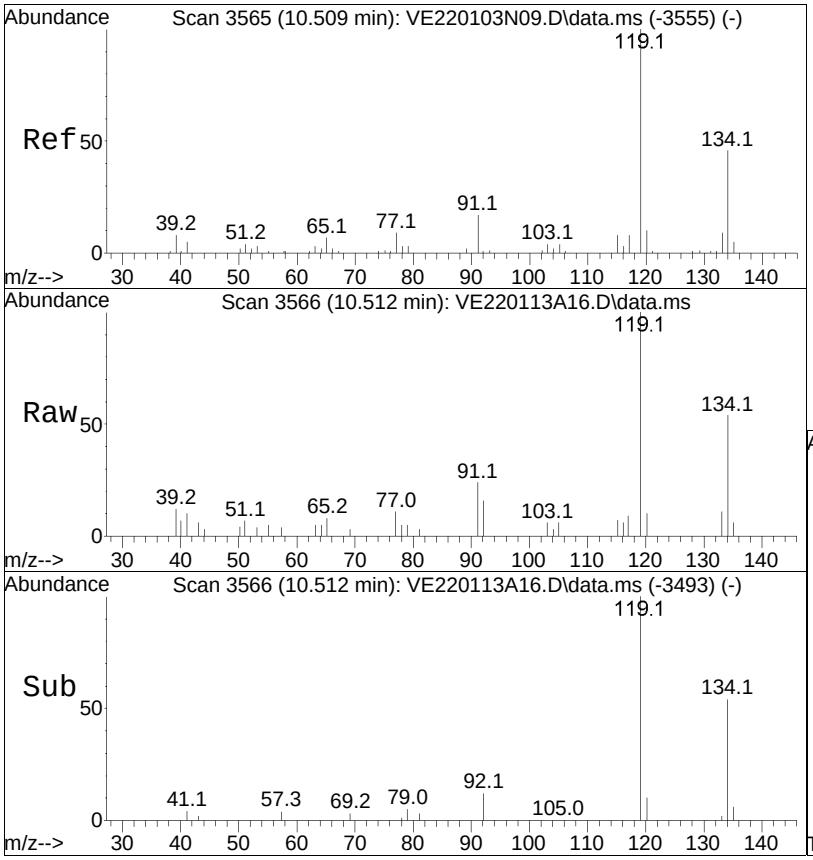


#103
n-Butylbenzene
Concen: 0.16 ug/L
RT: 10.086 min Scan# 3413
Delta R.T. -0.000 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion: 91 Resp: 1012

Ion	Ratio	Lower	Upper
91	100		
92	42.5	43.0	64.4#
134	21.2	19.6	29.4

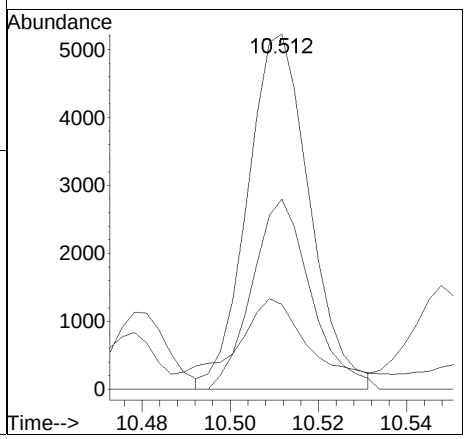


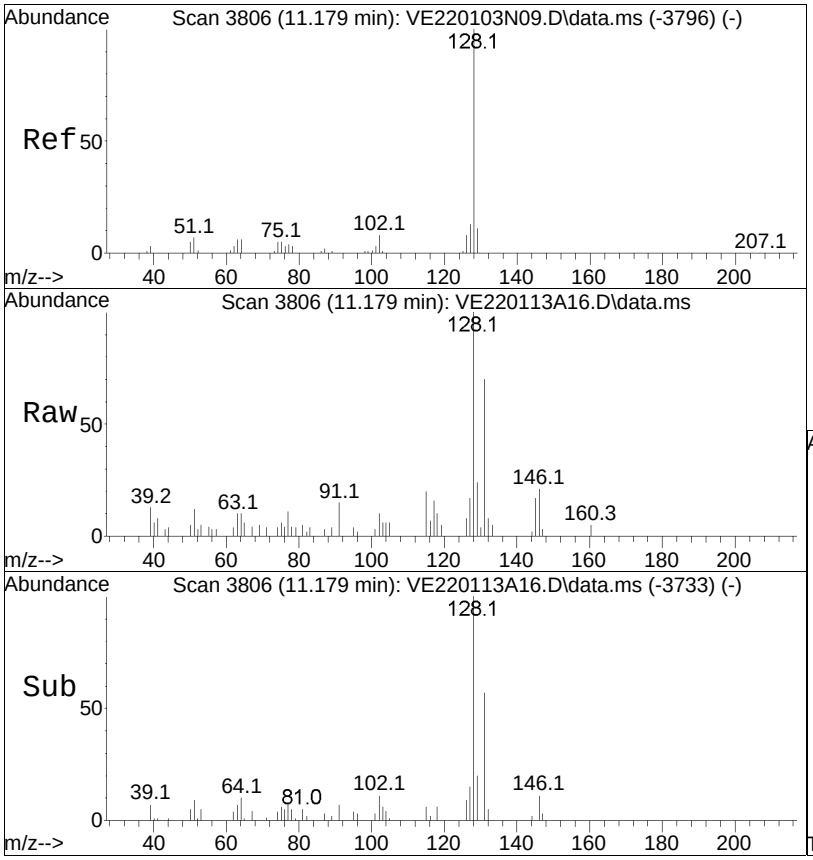


#105
1,2,4,5-Tetramethylbenzene
Concen: 0.79 ug/L
RT: 10.512 min Scan# 3566
Delta R.T. 0.003 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion:119 Resp: 5098

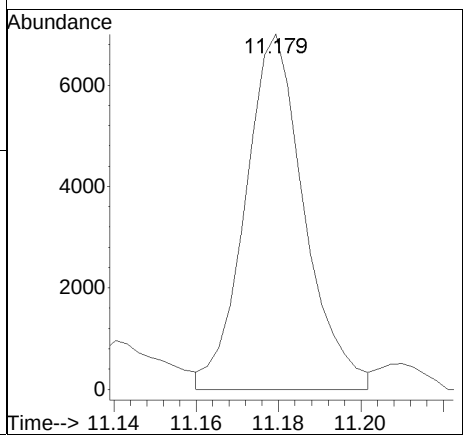
Ion	Ratio	Lower	Upper
119	100		
134	50.6	30.5	63.3
91	28.1	12.4	25.7#





#110
Naphthalene
Concen: 1.65 ug/L
RT: 11.179 min Scan# 3806
Delta R.T. 0.002 min
Lab File: VE220113A16.D
Acq: 13 Jan 2022 3:45 pm

Tgt Ion:128 Resp: 6981



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2022\2Q	Method	: Elaine_220103N_8260.m
Data File	: VE220113A16.D	Operator	: ELAINE:PD
Date Inj'd	: 1/13/2022 3:45 pm	Instrument	: Elaine
Sample	: L2200912-05,31,10,10,,A,PR	Quant Date	: 1/14/2022 12:00 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A17.D
Acq On : 13 Jan 2022 4:05 pm
Operator : ELAINE:PD
Sample : L2200912-06,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:45:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.356	96	108941	10.000	ug/L	0.00
Standard Area 1 = 117975			Recovery = 92.34%			
59) Chlorobenzene-d5	8.417	117	78946	10.000	ug/L	0.00
Standard Area 1 = 86573			Recovery = 91.19%			
79) 1,4-Dichlorobenzene-d4	9.919	152	42178	10.000	ug/L	0.00
Standard Area 1 = 45323			Recovery = 93.06%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.349	113	27003	10.565	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.65%			
43) 1,2-Dichloroethane-d4	5.005	65	28316	10.345	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.45%			
60) Toluene-d8	7.084	98	106115	10.143	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.43%			
83) 4-Bromofluorobenzene	9.246	95	34399	9.575	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.75%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.796	85	180	N.D.		
3) Chloromethane	0.882	50	145	N.D.		
4) Vinyl chloride	1.071	62	54	N.D.		
5) Bromomethane	1.327	94	61	N.D.		
6) Chloroethane	1.350	64	25	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	1.800	76	236	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	3.272	43	26	N.D.		
28) cis-1,2-Dichloroethene	3.678	96	576M1	0.280	ug/L	
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A17.D
Acq On : 13 Jan 2022 4:05 pm
Operator : ELAINE:PD
Sample : L2200912-06,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:45:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	4.594	43	25	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	4.816	78	188	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.554	95	446M1	0.230	ug/L	
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.134	92	117	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.405	43	26	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.467	91	3745	0.407	ug/L	100
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.575	106	278	0.078	ug/L	81
77) o Xylene	8.867	106	307	0.091	ug/L	85
78) Styrene	9.079	104	86	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.079	105	5741	0.658	ug/L	95
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	9.337	91	2121	0.210	ug/L	99
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	9.407	105	833	0.099	ug/L #	61
89) 2-Chlorotoluene	0.000		0	N.D. d		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D. d		
91) 1,2,3-Trichloropropane	9.524	75	53	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	0.000		0	N.D. d		
94) tert-Butylbenzene	9.646	119	938	0.154	ug/L	88

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A17.D
Acq On : 13 Jan 2022 4:05 pm
Operator : ELAINE:PD
Sample : L2200912-06,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:45:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97) 1,2,4-Trimethylbenzene	9.694	105	467	N.D.			
98) sec-Butylbenzene	9.755	105	3912	0.435	ug/L	#	74
99) p-Isopropyltoluene	9.847	119	229	N.D.			
100) 1,3-Dichlorobenzene	0.000		0	N.D.			
101) 1,4-Dichlorobenzene	0.000		0	N.D.			
102) p-Diethylbenzene	10.055	119	757	0.169	ug/L		89
103) n-Butylbenzene	10.086	91	913	0.140	ug/L	#	89
104) 1,2-Dichlorobenzene	0.000		0	N.D.			
105) 1,2,4,5-Tetramethylben...	10.512	119	1960M3	0.287	ug/L		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108) Hexachlorobutadiene	0.000		0	N.D.			
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
110) Naphthalene	11.179	128	56637	12.635	ug/L		100
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.			

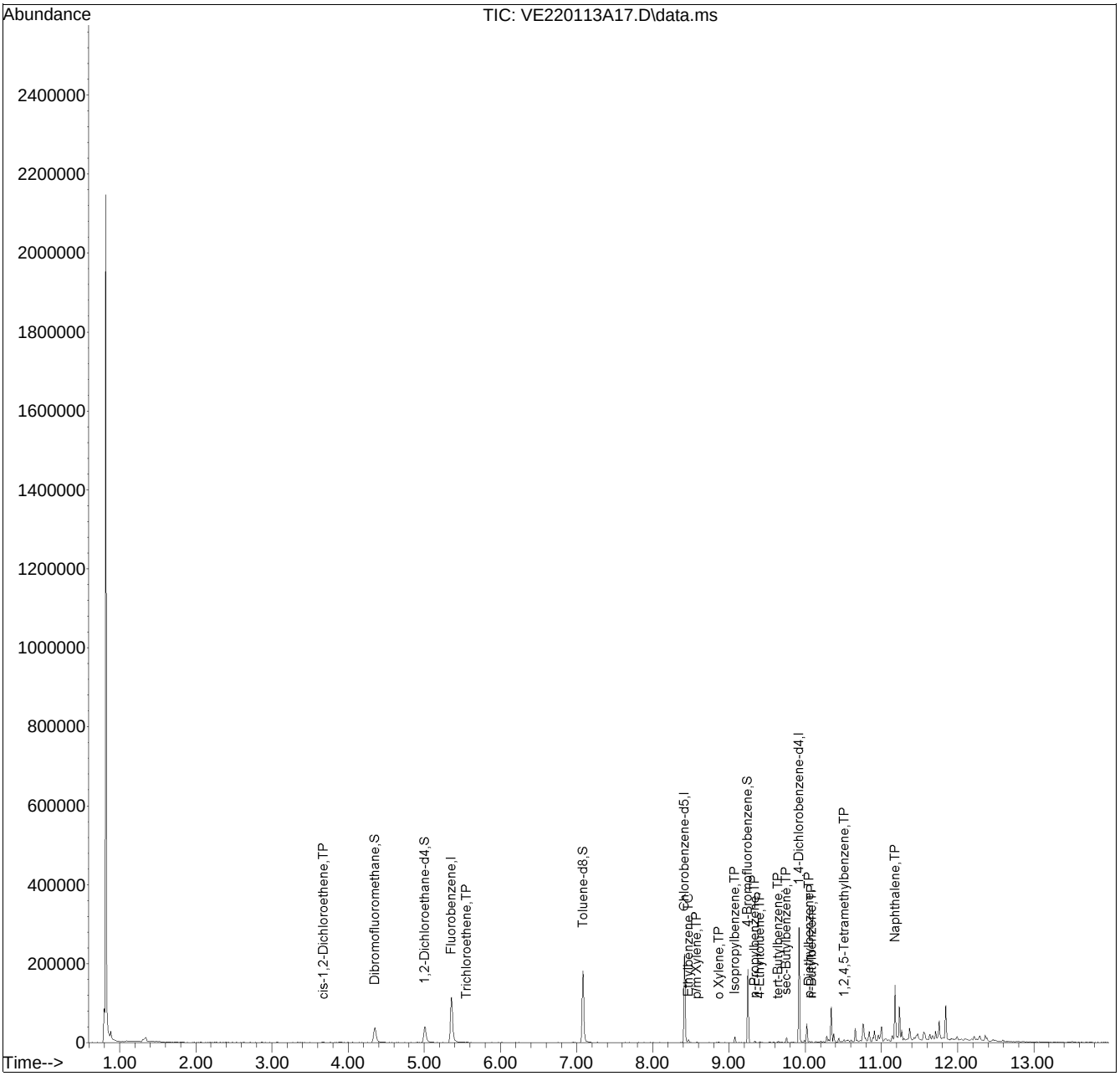
(#) = qualifier out of range (m) = manual integration (+) = signals summed

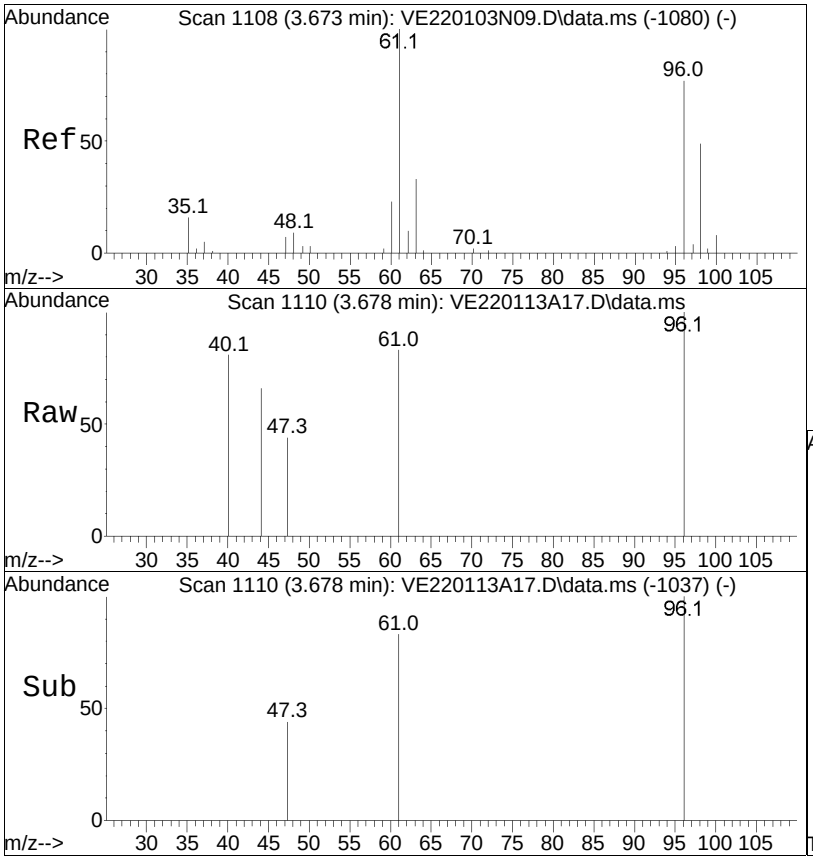
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A17.D
Acq On : 13 Jan 2022 4:05 pm
Operator : ELAINE:PD
Sample : L2200912-06,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:45:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20113A\VE220113A02.D•

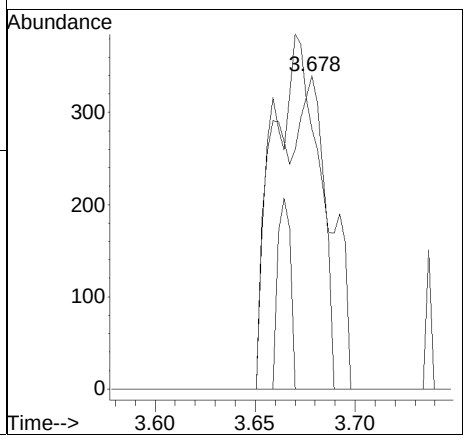


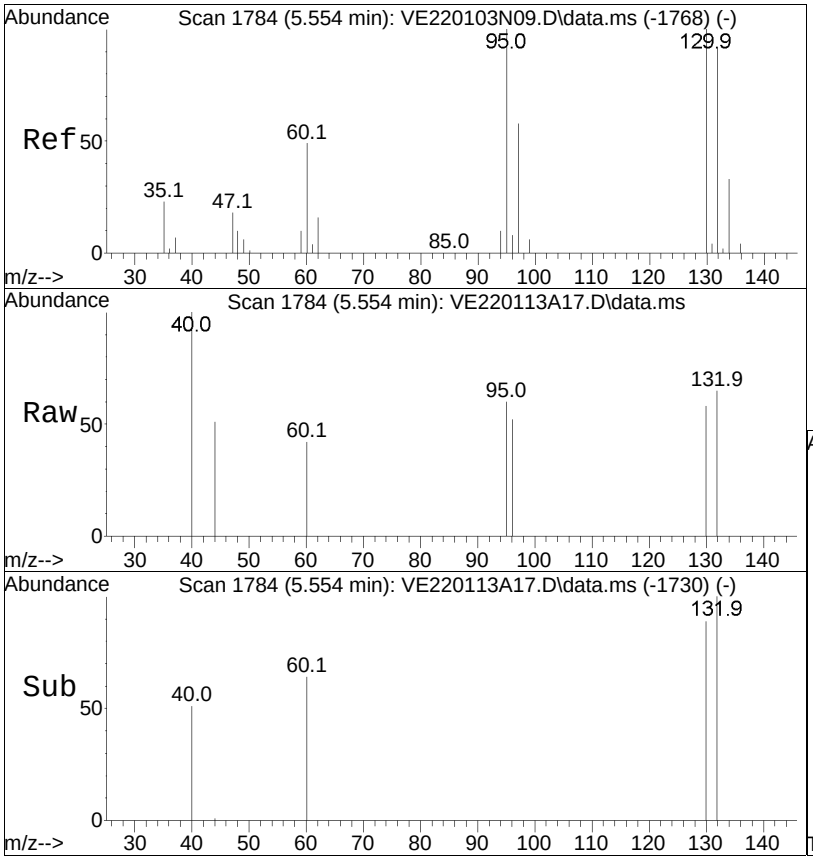


#28
cis-1,2-Dichloroethene
Concen: 0.28 ug/L M1
RT: 3.678 min Scan# 1110
Delta R.T. 0.002 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion: 96 Resp: 576

Ion	Ratio	Lower	Upper
96	100		
61	82.3	149.4	224.2#
98	16.0	53.4	80.2#

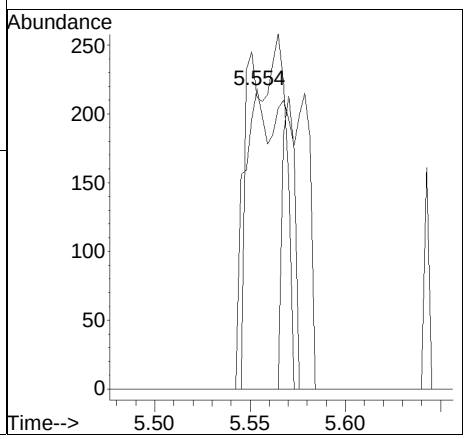


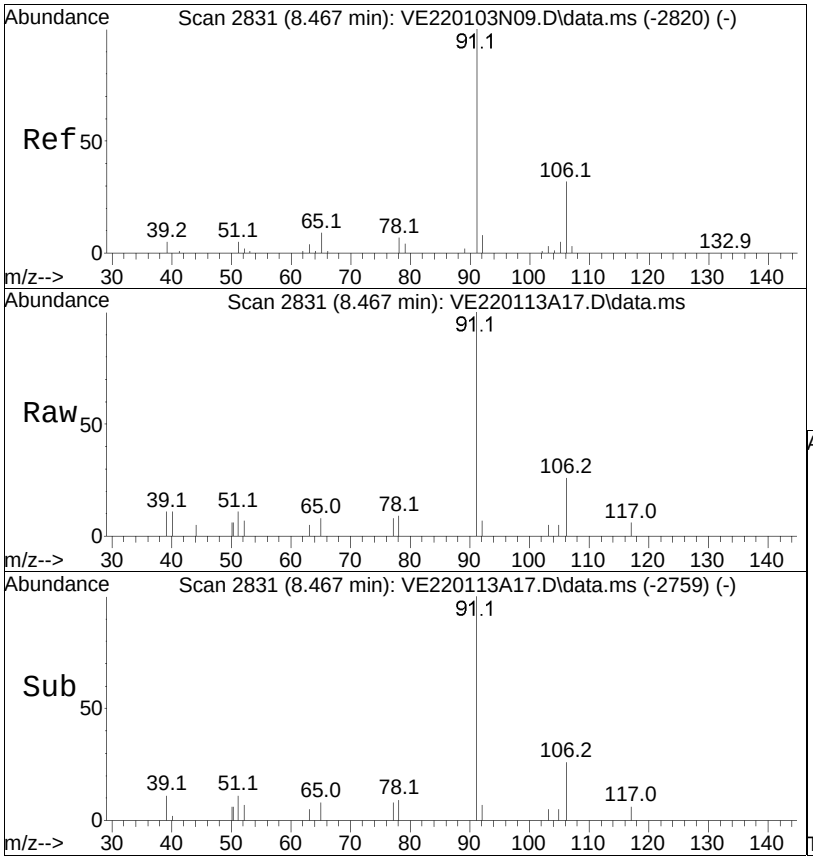


#48
Trichloroethene
Concen: 0.23 ug/L M1
RT: 5.554 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion: 95 Resp: 446

Ion	Ratio	Lower	Upper
95	100		
97	21.5	55.5	83.3#
130	33.6	76.6	115.0#

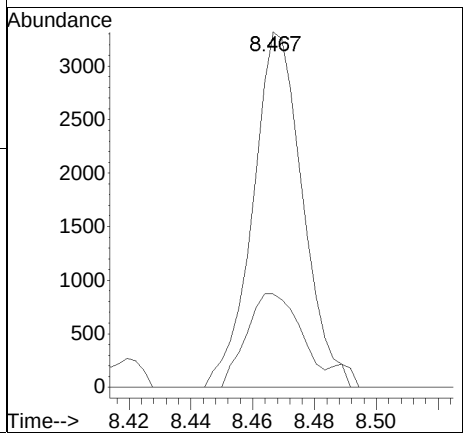


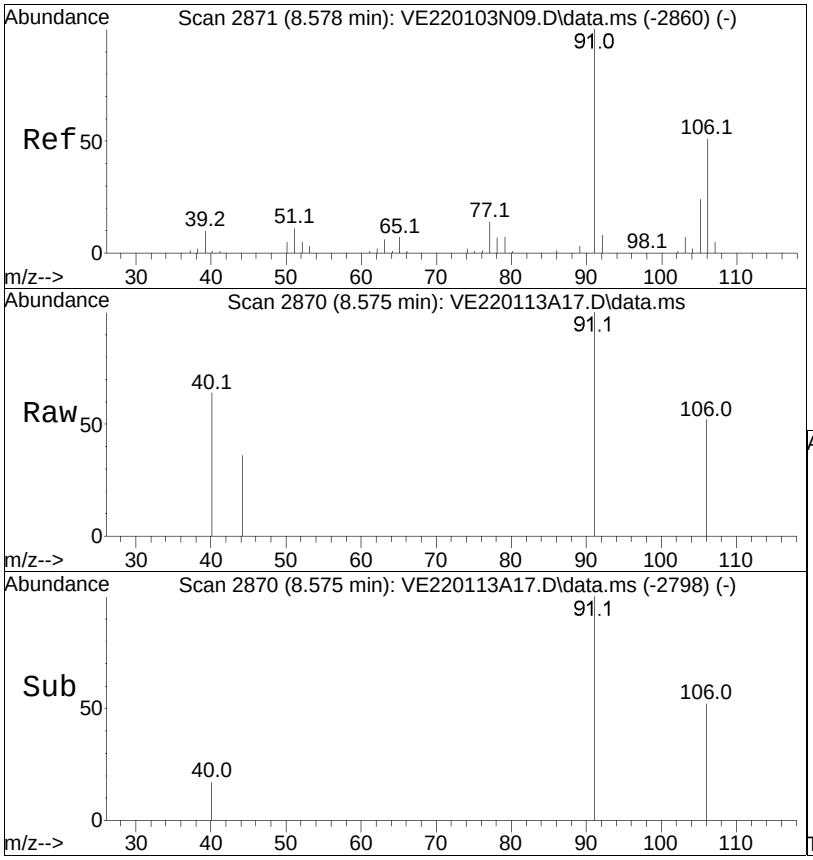


#74
Ethylbenzene
Concen: 0.41 ug/L
RT: 8.467 min Scan# 2831
Delta R.T. -0.000 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion: 91 Resp: 3745

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

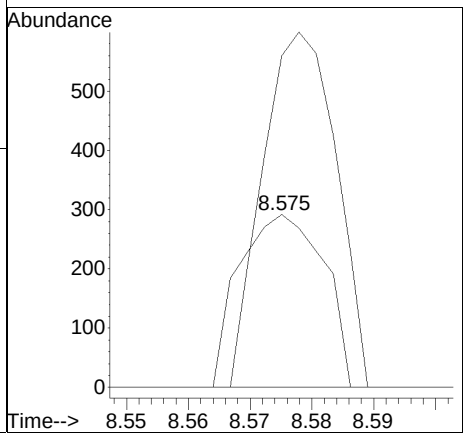


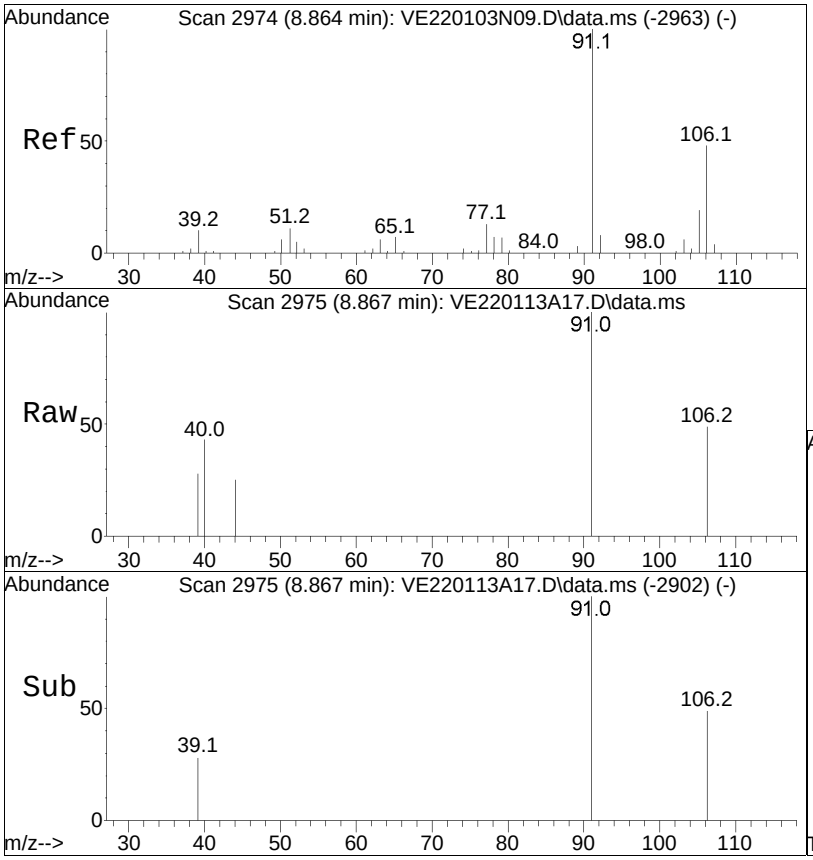


#76
p/m Xylene
Concen: 0.08 ug/L
RT: 8.575 min Scan# 2870
Delta R.T. 0.000 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion:106 Resp: 278

Ion	Ratio	Lower	Upper
106	100		
91	178.4	166.4	249.6

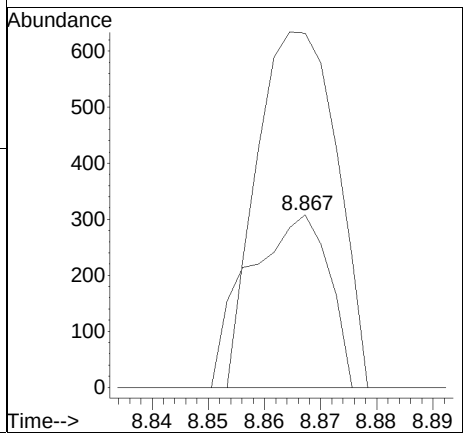


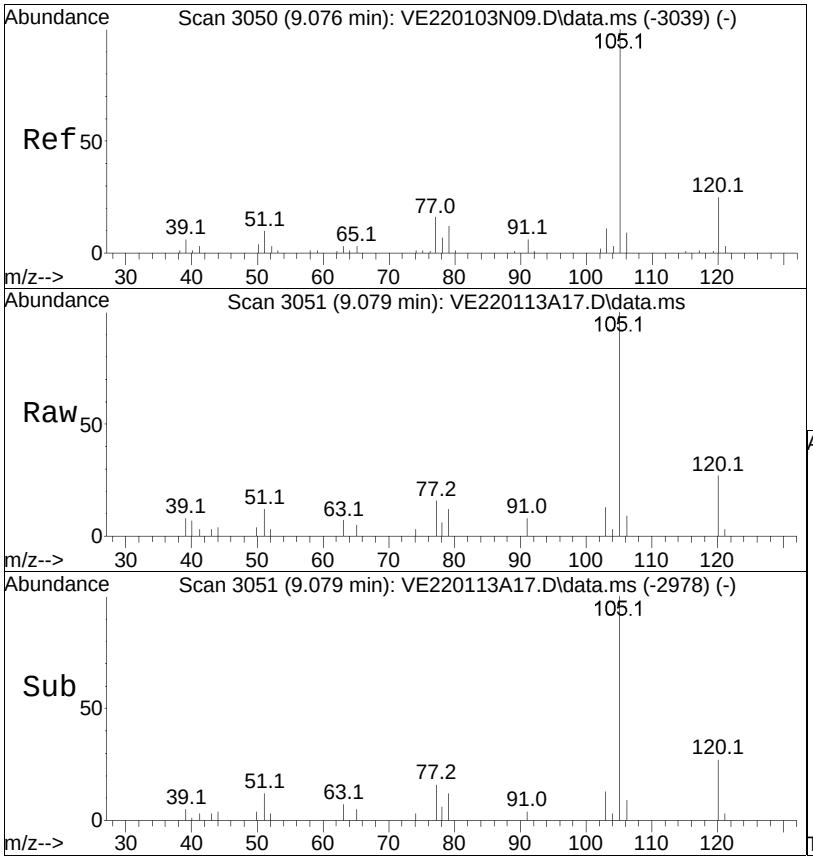


#77
o Xylene
Concen: 0.09 ug/L
RT: 8.867 min Scan# 2975
Delta R.T. 0.002 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion:106 Resp: 307

Ion	Ratio	Lower	Upper
106	100		
91	203.6	182.6	273.8

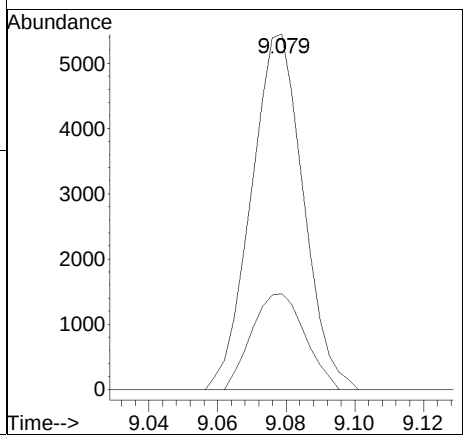


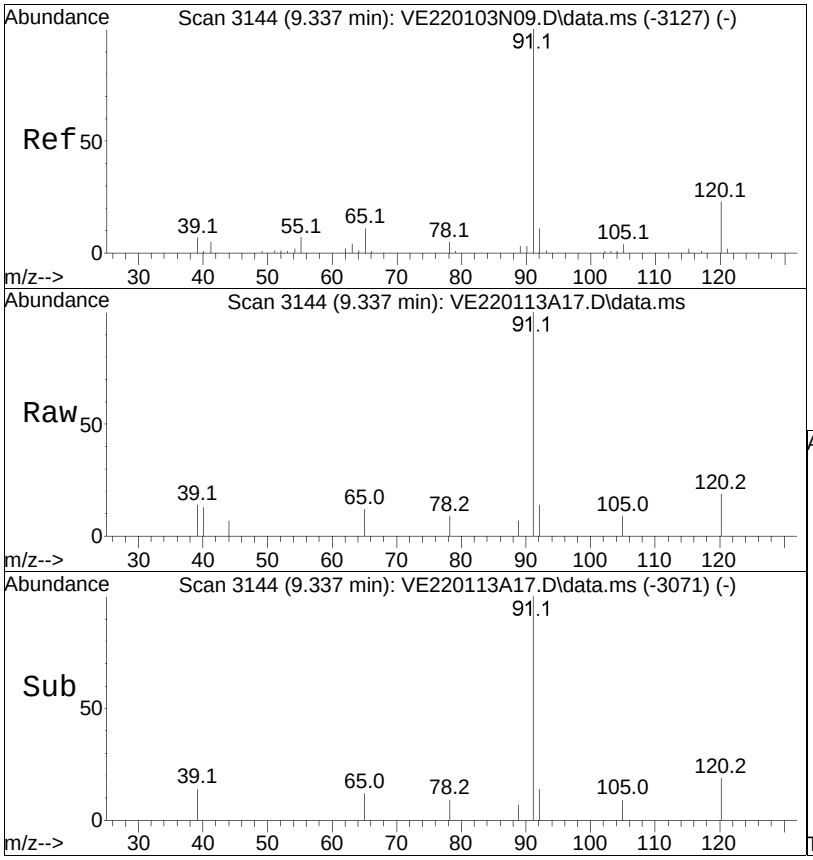


#82
Isopropylbenzene
Concen: 0.66 ug/L
RT: 9.079 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion:105 Resp: 5741

Ion	Ratio	Lower	Upper
105	100		
120	27.5	4.8	44.8

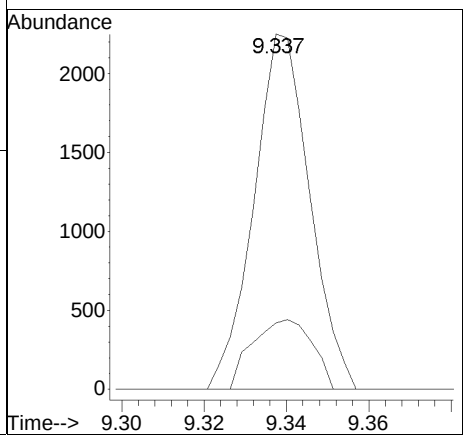


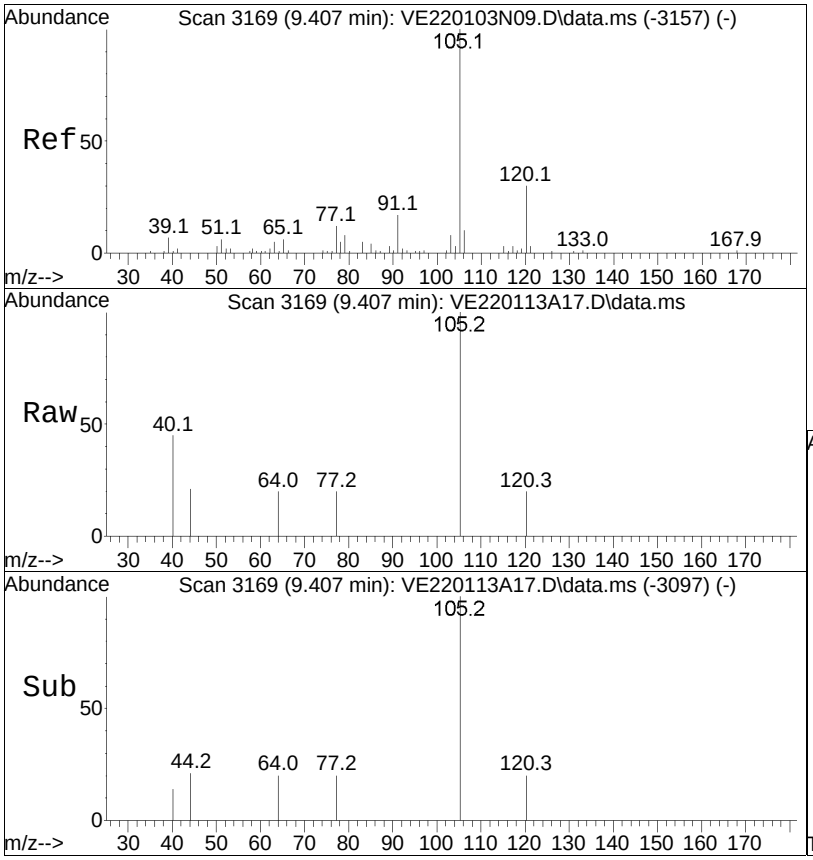


#85
n-Propylbenzene
Concen: 0.21 ug/L
RT: 9.337 min Scan# 3144
Delta R.T. 0.002 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion: 91 Resp: 2121

Ion	Ratio	Lower	Upper
91	100		
120	21.0	17.0	25.6

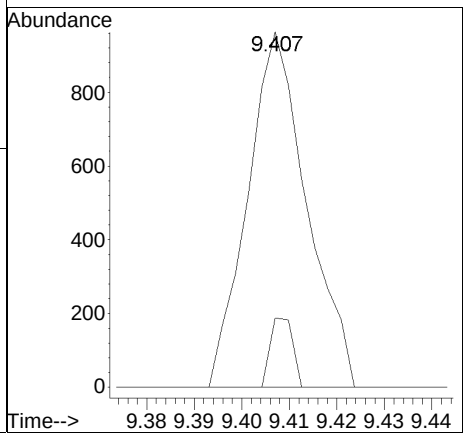


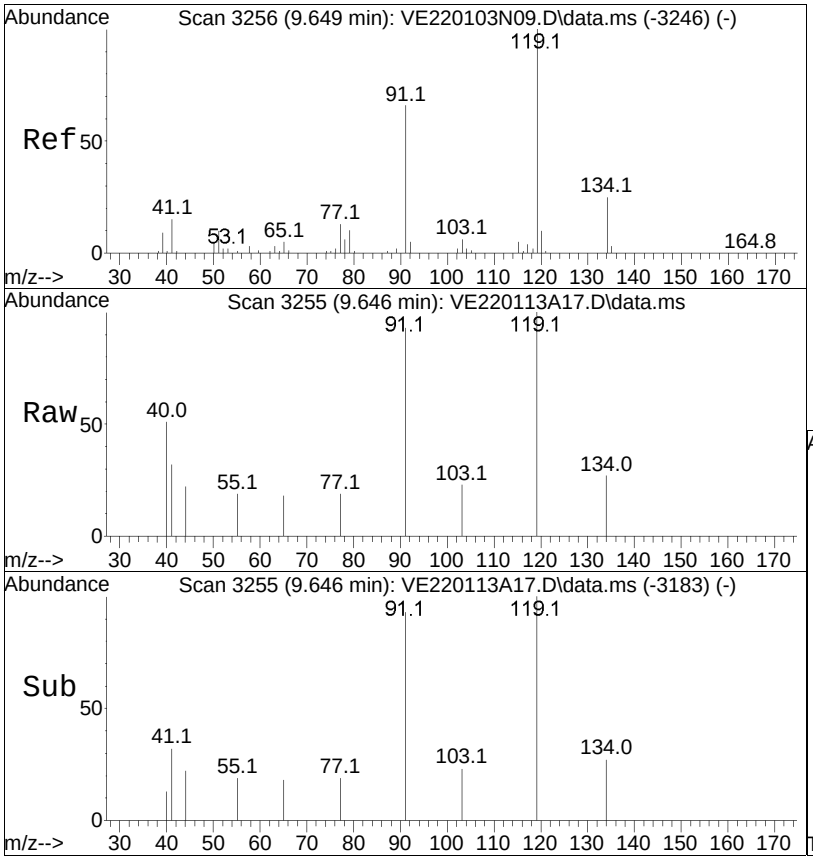


#88
4-Ethyltoluene
Concen: 0.10 ug/L
RT: 9.407 min Scan# 3169
Delta R.T. 0.000 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion:105 Resp: 833

Ion	Ratio	Lower	Upper
105	100		
120	7.4	18.1	37.7#

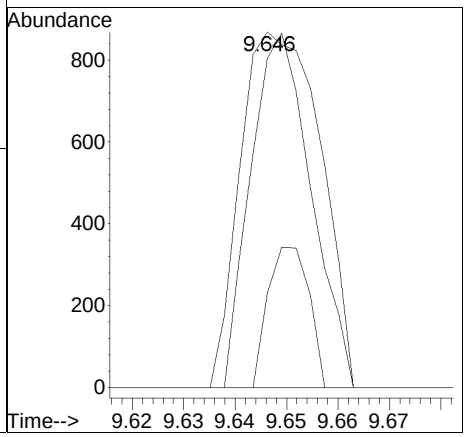


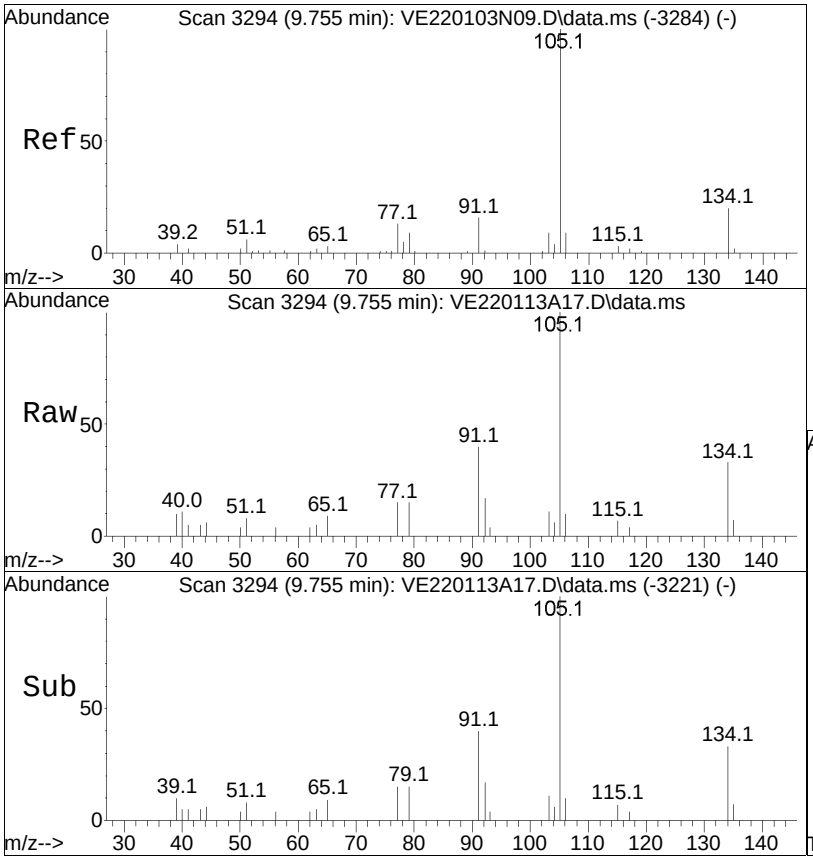


#94
tert-Butylbenzene
Concen: 0.15 ug/L
RT: 9.646 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion:119 Resp: 938

Ion	Ratio	Lower	Upper
119	100		
91	75.3	51.4	77.2
134	20.4	18.3	27.5

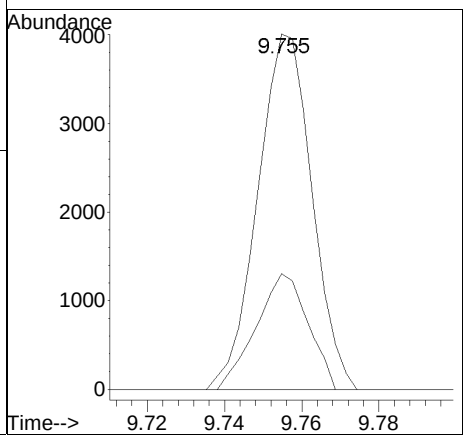


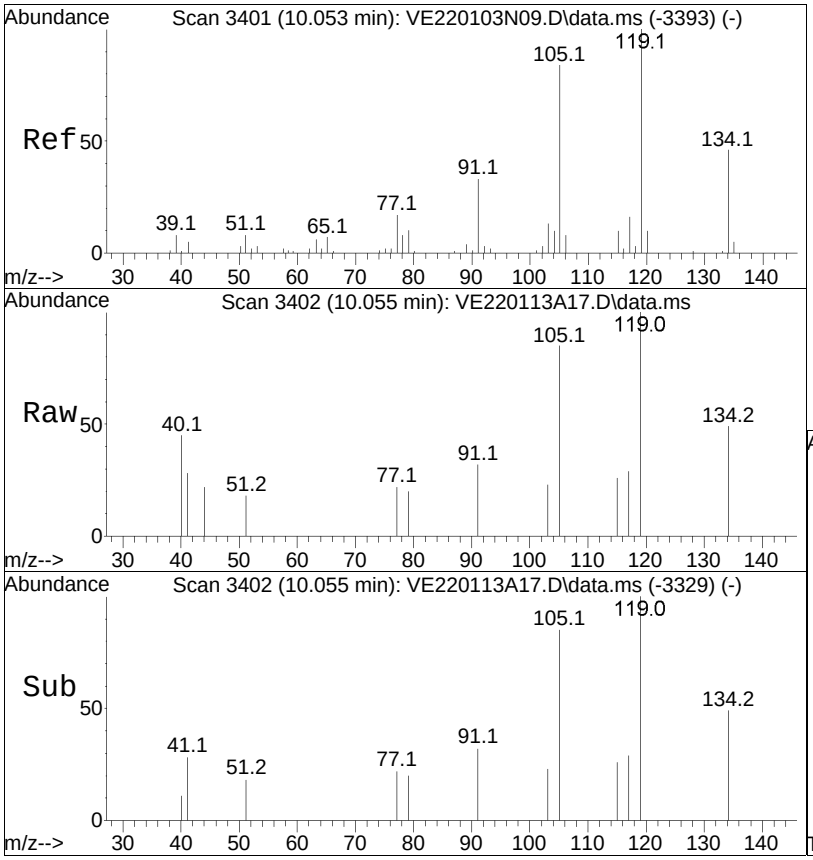


#98
sec-Butylbenzene
Concen: 0.43 ug/L
RT: 9.755 min Scan# 3294
Delta R.T. 0.003 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion:105 Resp: 3912

Ion	Ratio	Lower	Upper
105	100		
134	31.1	12.5	26.1#

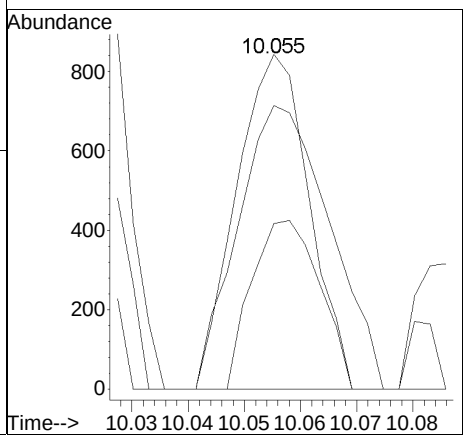


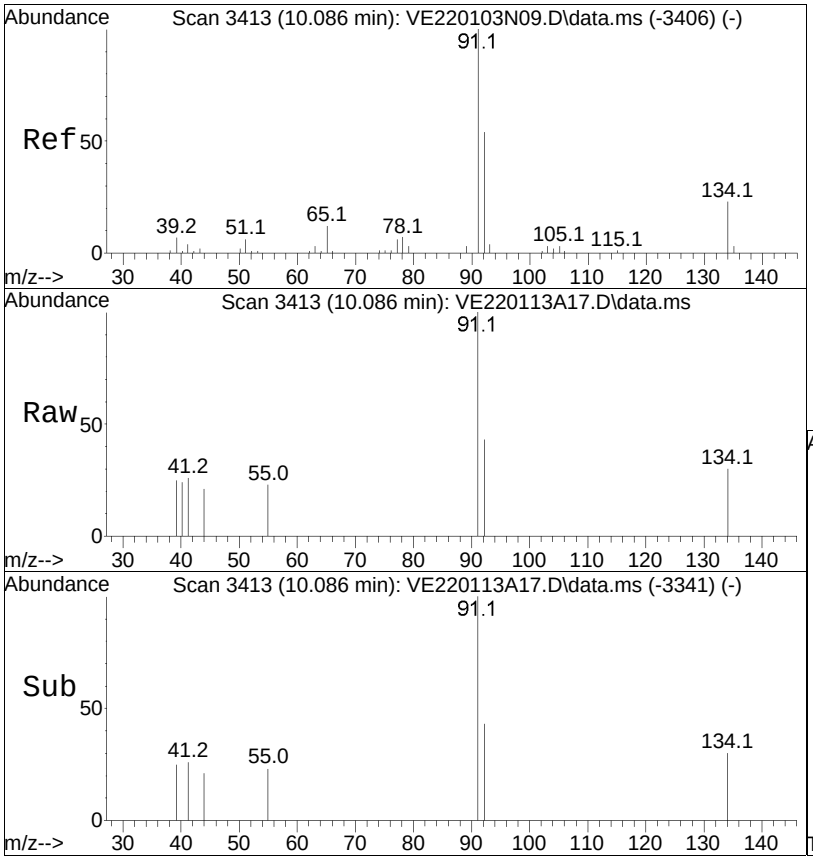


#102
p-Diethylbenzene
Concen: 0.17 ug/L
RT: 10.055 min Scan# 3402
Delta R.T. 0.002 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion:119 Resp: 757

Ion	Ratio	Lower	Upper
119	100		
105	107.0	59.5	123.7
134	47.4	30.2	62.6

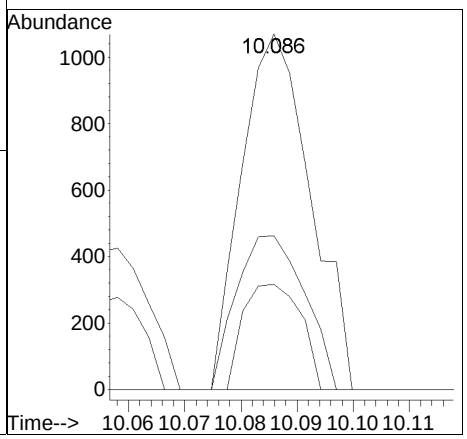


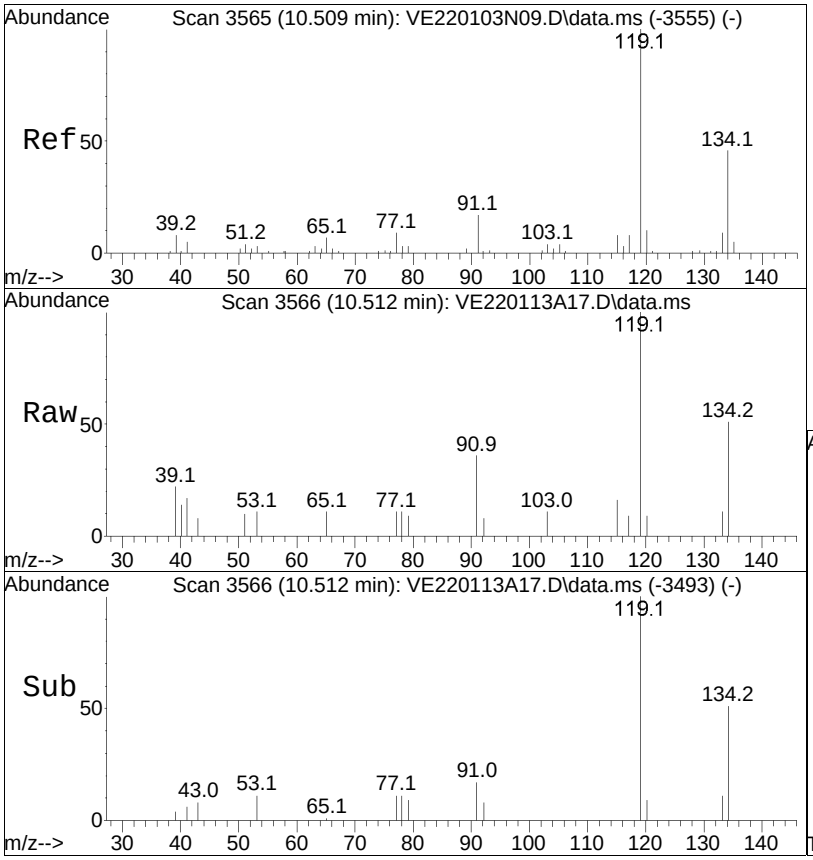


#103
n-Butylbenzene
Concen: 0.14 ug/L
RT: 10.086 min Scan# 3413
Delta R.T. -0.000 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion: 91 Resp: 913

Ion	Ratio	Lower	Upper
91	100		
92	42.7	43.0	64.4#
134	24.6	19.6	29.4

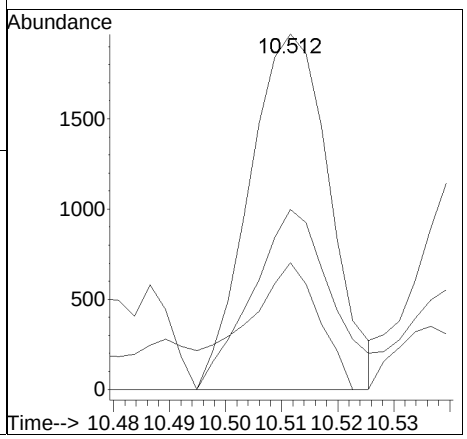


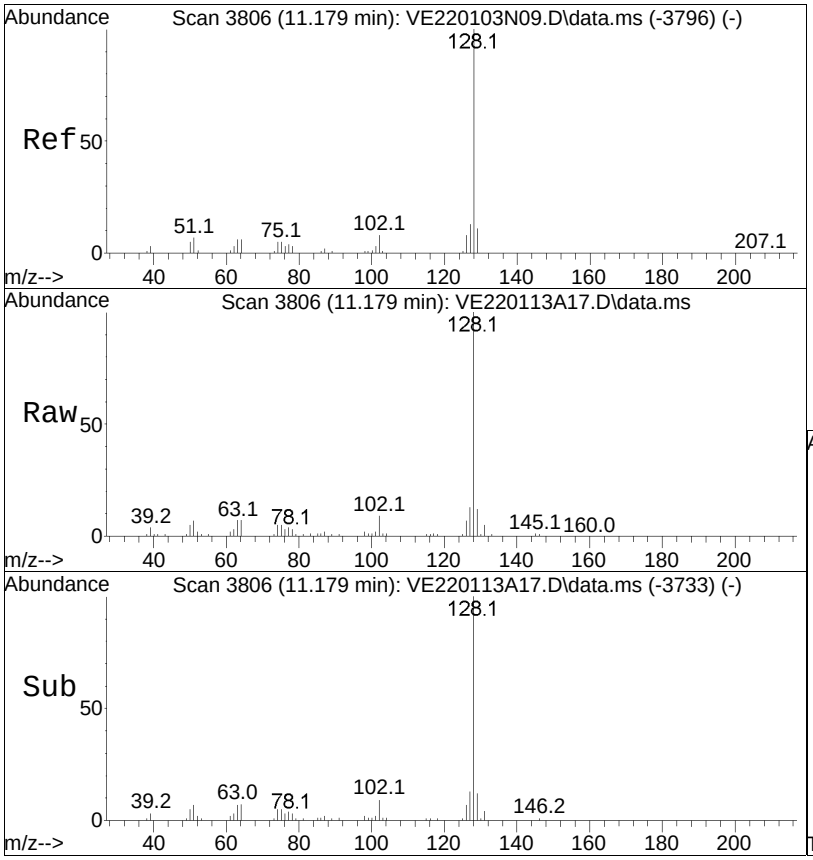


#105
1,2,4,5-Tetramethylbenzene
Concen: 0.29 ug/L M3
RT: 10.512 min Scan# 3566
Delta R.T. 0.003 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion:119 Resp: 1960

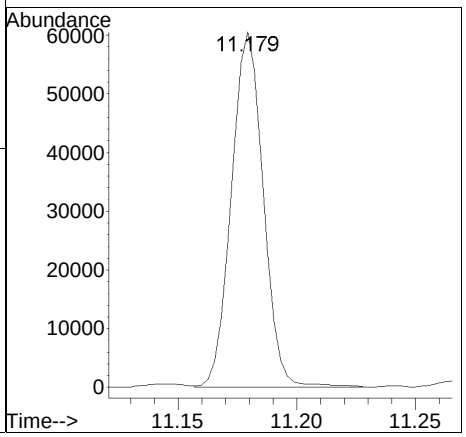
Ion	Ratio	Lower	Upper
119	100		
134	26.6	30.5	63.3#
91	14.0	12.4	25.7





#110
Naphthalene
Concen: 12.64 ug/L
RT: 11.179 min Scan# 3806
Delta R.T. 0.002 min
Lab File: VE220113A17.D
Acq: 13 Jan 2022 4:05 pm

Tgt Ion:128 Resp: 56637

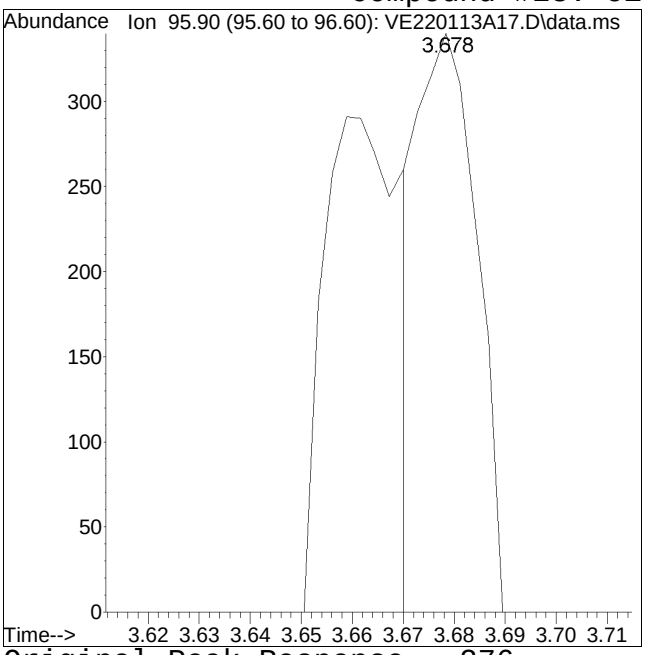


Manual Integration Report

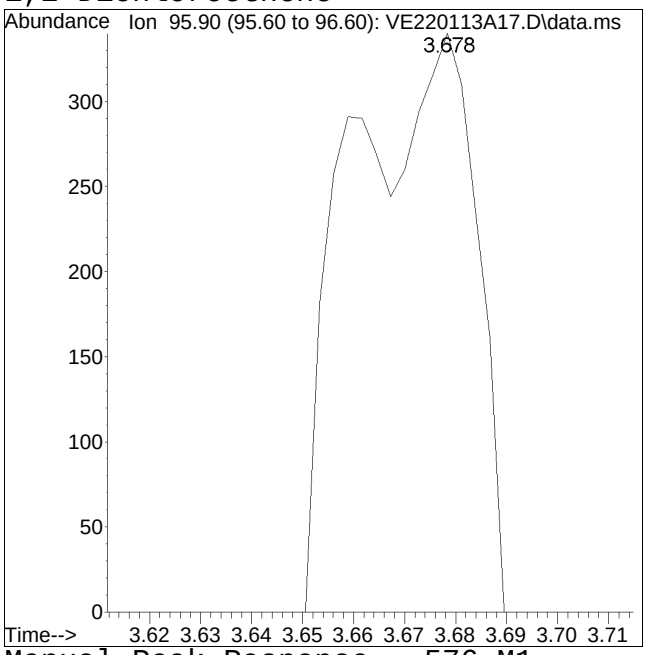
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220113A17.D
Date Inj'd : 1/13/2022 4:05 pm
Sample : L2200912-06,31,10,10,,A,PR

Method : Elaine_220103N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 1/14/2022 12:01 pm

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 276



Manual Peak Response = 576 M1

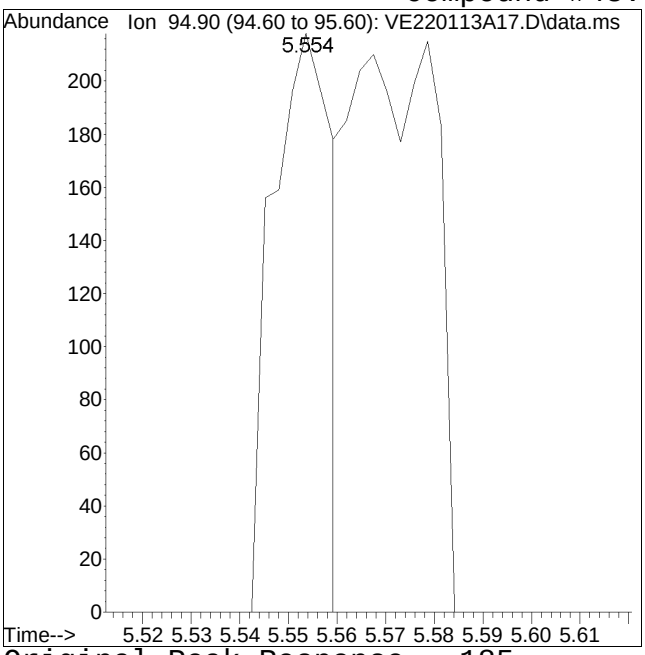
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

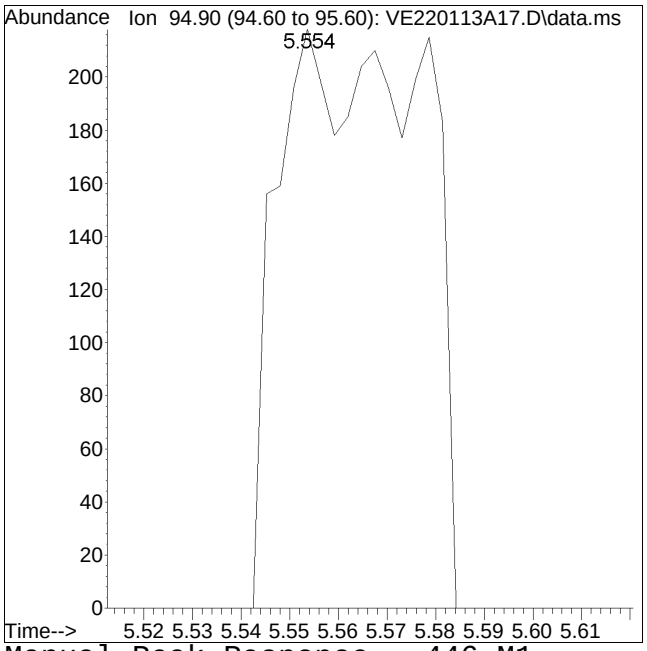
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220113A17.D
Date Inj'd : 1/13/2022 4:05 pm
Sample : L2200912-06,31,10,10,,A,PR

Method : Elaine_220103N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 1/14/2022 12:01 pm

Compound #48: Trichloroethene



Original Peak Response = 185



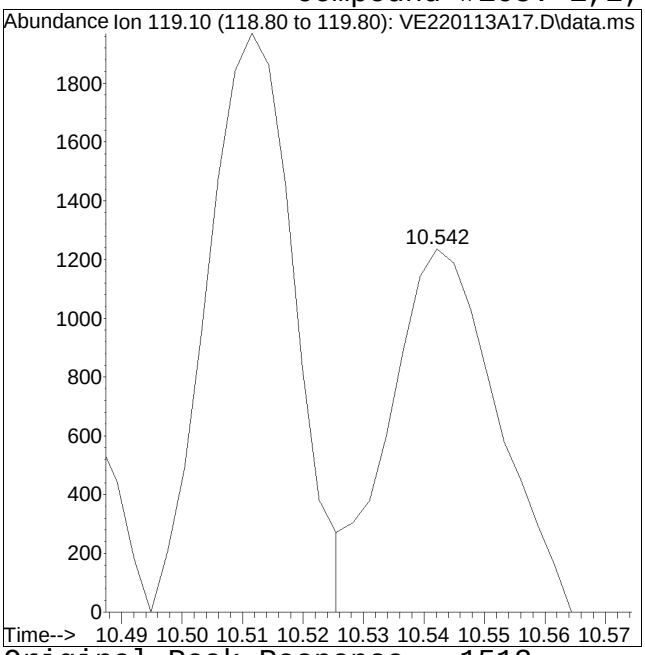
Manual Peak Response = 446 M1

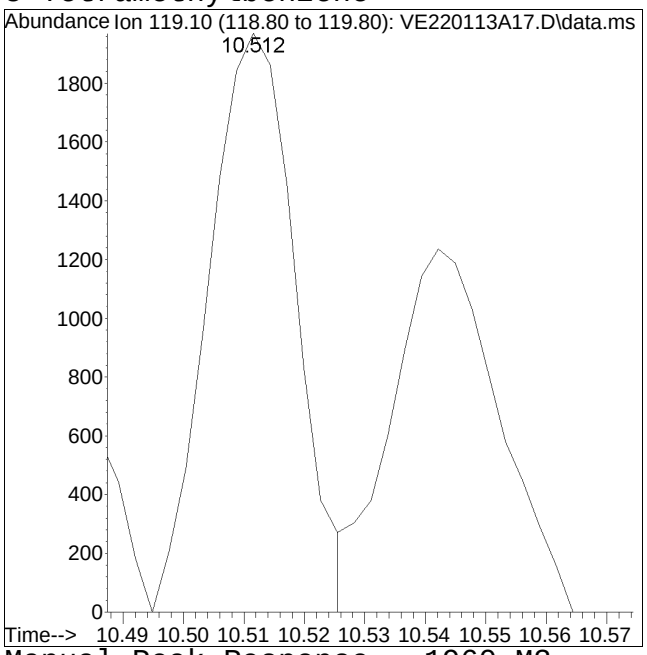
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220113A17.D Operator : ELAINE:PD
Date Inj'd : 1/13/2022 4:05 pm Instrument : Elaine
Sample : L2200912-06,31,10,10,,A,PRQuant Date : 1/14/2022 12:01 pm

Compound #105: 1,2,4,5-Tetramethylbenzene





Original Peak Response = 1513 Manual Peak Response = 1960 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A18.D
Acq On : 13 Jan 2022 4:25 pm
Operator : ELAINE:PD
Sample : L2200912-07,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:45:27 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.356	96	109005	10.000 ug/L	0.00
Standard Area 1 = 117975			Recovery = 92.40%		
59) Chlorobenzene-d5	8.416	117	80398	10.000 ug/L	0.00
Standard Area 1 = 86573			Recovery = 92.87%		
79) 1,4-Dichlorobenzene-d4	9.919	152	40265	10.000 ug/L	0.00
Standard Area 1 = 45323			Recovery = 88.84%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.352	113	27356	10.696 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.96%		
43) 1,2-Dichloroethane-d4	5.005	65	29043	10.604 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.04%		
60) Toluene-d8	7.081	98	107980	10.135 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.35%		
83) 4-Bromofluorobenzene	9.248	95	34557	10.076 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.76%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.799	85	113	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	1.272	94	56	N.D.	
6) Chloroethane	1.338	64	54	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	1.792	76	29	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D.	d
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	3.514	43	25	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	3.893	77	53	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A18.D
Acq On : 13 Jan 2022 4:25 pm
Operator : ELAINE:PD
Sample : L2200912-07,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:45:27 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	4.366	43	25		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	5.439	95	53		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	d
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	8.414	91	26		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	9.248	91	223		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D.	
89) 2-Chlorotoluene	9.248	91	223		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	d
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A18.D
Acq On : 13 Jan 2022 4:25 pm
Operator : ELAINE:PD
Sample : L2200912-07,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:45:27 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
98) sec-Butylbenzene	0.000		0	N.D.		
99) p-Isopropyltoluene	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
102) p-Diethylbenzene	0.000		0	N.D.		
103) n-Butylbenzene	9.922	91	133	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
105) 1,2,4,5-Tetramethylben...	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108) Hexachlorobutadiene	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
110) Naphthalene	11.179	128	364	0.085	ug/L	100
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

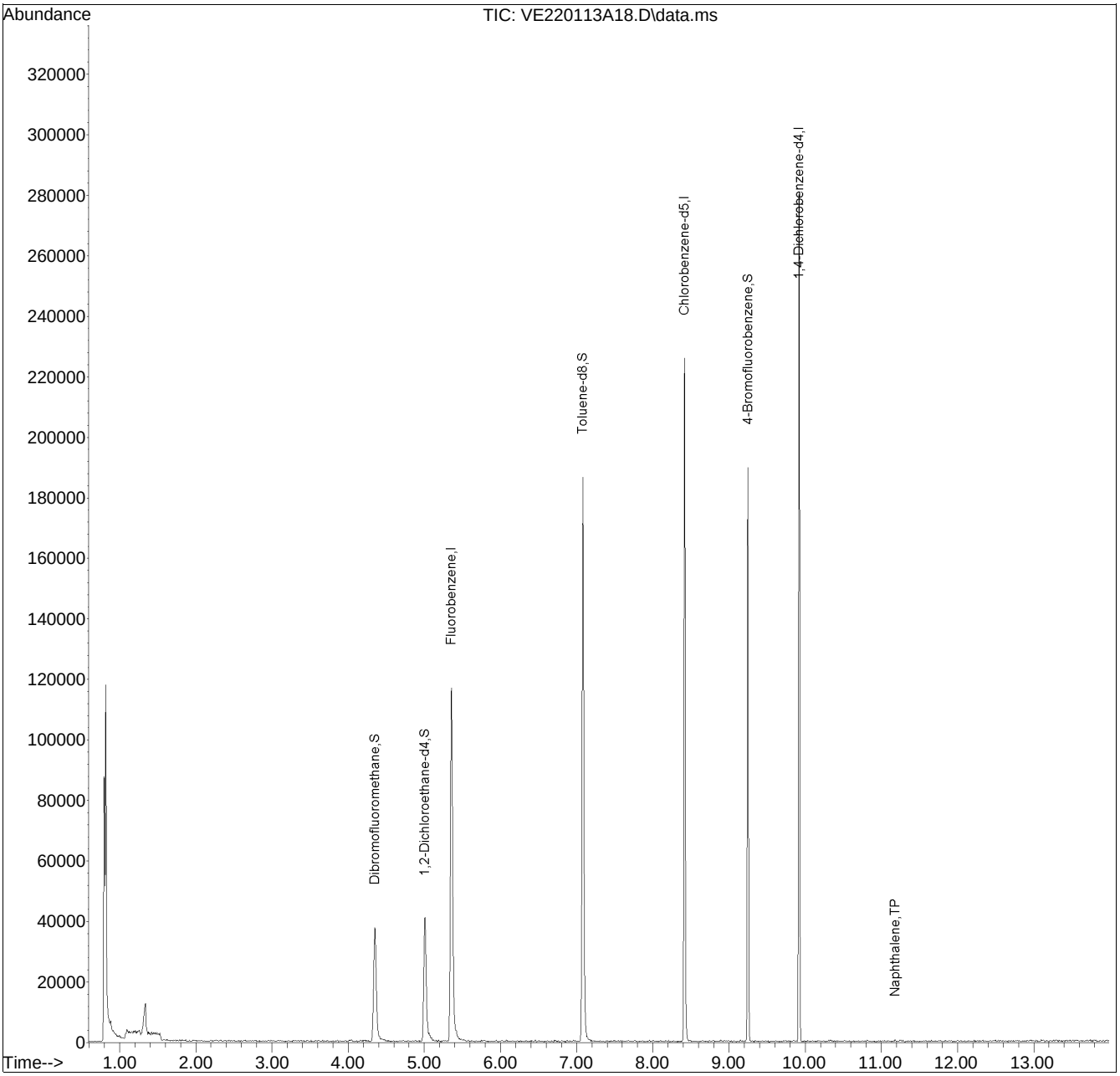
(#) = qualifier out of range (m) = manual integration (+) = signals summed

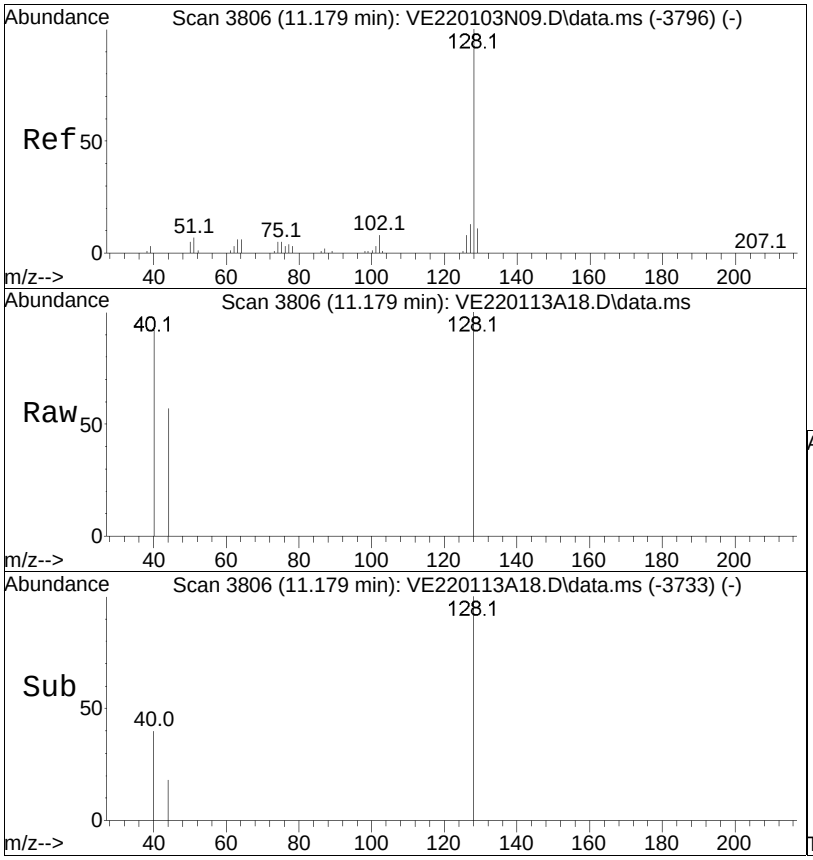
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A18.D
Acq On : 13 Jan 2022 4:25 pm
Operator : ELAINE:PD
Sample : L2200912-07,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:45:27 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

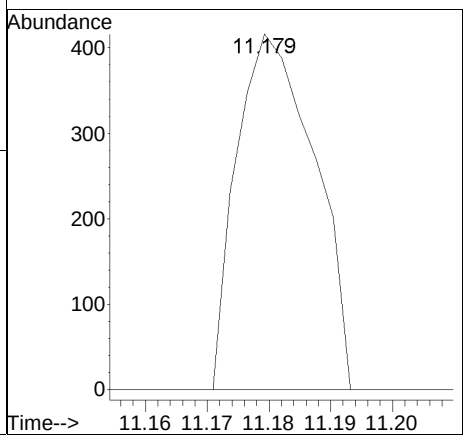
Sub List : 8260-NYTCL - Megamix plus Diox20113A\VE220113A02.D•





#110
Naphthalene
Concen: 0.09 ug/L
RT: 11.179 min Scan# 3806
Delta R.T. 0.002 min
Lab File: VE220113A18.D
Acq: 13 Jan 2022 4:25 pm

Tgt Ion:128 Resp: 364



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2022\2Q	Method	: Elaine_220103N_8260.m
Data File	: VE220113A18.D	Operator	: ELAINE:PD
Date Inj'd	: 1/13/2022 4:25 pm	Instrument	: Elaine
Sample	: L2200912-07,31,10,10,,A,PR	Quant Date	: 1/14/2022 12:01 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A19.D
Acq On : 13 Jan 2022 4:45 pm
Operator : ELAINE:PD
Sample : L2200912-08,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:45:35 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.356	96	111059	10.000	ug/L	0.00
Standard Area 1 = 117975			Recovery = 94.14%			
59) Chlorobenzene-d5	8.416	117	81766	10.000	ug/L	0.00
Standard Area 1 = 86573			Recovery = 94.45%			
79) 1,4-Dichlorobenzene-d4	9.919	152	41452	10.000	ug/L	0.00
Standard Area 1 = 45323			Recovery = 91.46%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.349	113	28006	10.748	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.48%			
43) 1,2-Dichloroethane-d4	5.005	65	29922	10.723	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.23%			
60) Toluene-d8	7.081	98	109774	10.131	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.31%			
83) 4-Bromofluorobenzene	9.248	95	34779	9.850	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.327	94	27	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A19.D
Acq On : 13 Jan 2022 4:45 pm
Operator : ELAINE:PD
Sample : L2200912-08,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:45:35 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	4.724	43	26		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	d
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	8.414	91	185		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	9.248	91	144		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D.	
89) 2-Chlorotoluene	9.248	91	144		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	9.307	53	25		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A19.D
Acq On : 13 Jan 2022 4:45 pm
Operator : ELAINE:PD
Sample : L2200912-08,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:45:35 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
98) sec-Butylbenzene	0.000		0		N.D.	
99) p-Isopropyltoluene	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	0.000		0		N.D.	
101) 1,4-Dichlorobenzene	0.000		0		N.D.	
102) p-Diethylbenzene	0.000		0		N.D.	
103) n-Butylbenzene	9.919	91	62		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
105) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	0.000		0		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

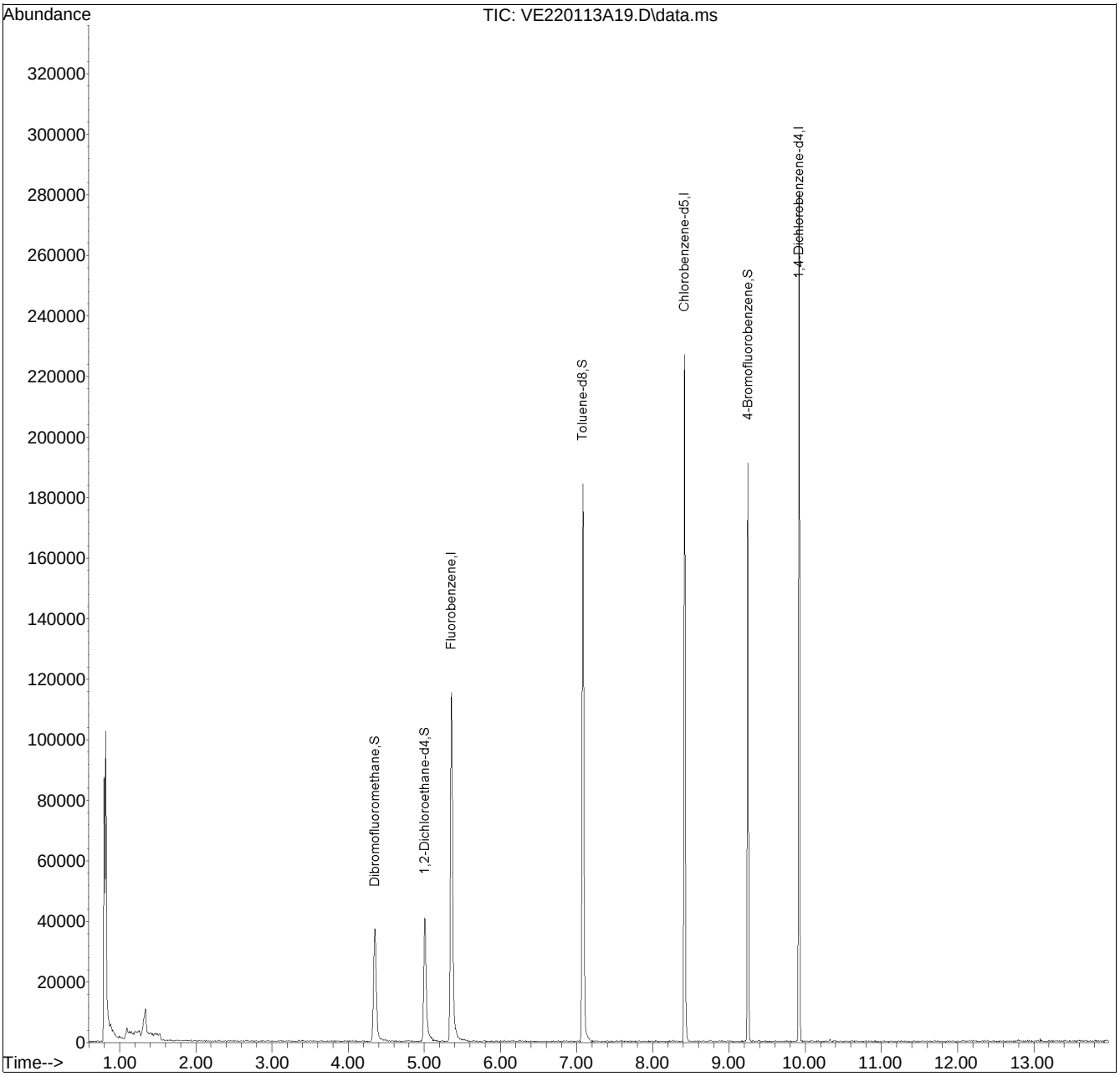
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A19.D
Acq On : 13 Jan 2022 4:45 pm
Operator : ELAINE:PD
Sample : L2200912-08,31,10,10,,A,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:45:35 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20113A\VE220113A02.D•



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2022\2Q	Method	: Elaine_220103N_8260.m
Data File	: VE220113A19.D	Operator	: ELAINE:PD
Date Inj'd	: 1/13/2022 4:45 pm	Instrument	: Elaine
Sample	: L2200912-08,31,10,10,,A,PR	Quant Date	: 1/14/2022 12:01 pm

There are no manual integrations or false positives in this file.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Tenen Environmental, LLC**	**Lab Number**	**: L2200912**
Project Name	**: 21-25 31ST STREET**	**Project Number**	**: 21-25 31ST STREET**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL18621**
Calibration dates	**: 01/03/22 21:26 01/04/22 00:17**		

Calibration Files

L11 =VE220103N04.D L1 =VE220103N06.D L2 =VE220103N08.D L3 =VE220103N09.D L4 =VE220103N10.D

L6 =VE220103N11.D L8 =VE220103N12.D L10 =VE220103N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.207	0.263	0.294	0.264	0.255	0.252	0.244	0.254	10.19
3)	TP	Chloromethane		0.188	0.199	0.218	0.190	0.180	0.185	0.180	0.191	7.13
4)	TC	Vinyl chloride	0.192	0.187	0.229	0.252	0.224	0.215	0.213	0.206	0.215	9.71
5)	TP	Bromomethane		0.116	0.115	0.129	0.114	0.125	0.133	0.133	0.124	6.94
6)	TP	Chloroethane		0.139	0.155	0.168	0.145	0.139	0.138	0.133	0.145	8.52
7)	TP	Trichlorofluor		0.298	0.345	0.392	0.358	0.351	0.347	0.342	0.348	8.00
8)	TP	Ethyl ether		0.067	0.070	0.092	0.085	0.075	0.079	0.078	0.078	11.03
10)	TC	1,1-Dichloroet		0.133	0.161	0.179	0.156	0.156	0.155	0.159	0.157	8.57
11)	TP	Carbon disulfide		0.325	0.396	0.458	0.395	0.399	0.409	0.400	0.398	9.78
12)	TP	Freon-113		0.114	0.146	0.188	0.171	0.160	0.158	0.160	0.157	14.56
13)	TP	Iodomethane			0.053	0.112	0.145	0.173	0.183	0.187	*Q	0.9986
14)	TP	Acrolein		0.018	0.019	0.016	0.014	0.016	0.015	0.014	0.016	11.93
15)	TP	Methylene chlo		0.186	0.178	0.197	0.167	0.163	0.166	0.163	0.174	7.61
17)	TP	Acetone			0.047	0.024	0.020	0.020	0.021	0.020	*L	0.9992
18)	TP	trans-1,2-Dich		0.162	0.179	0.185	0.167	0.160	0.168	0.171	0.170	5.34
19)	TP	Methyl acetate			0.075	0.069	0.059	0.059	0.060	0.057	0.063	11.46
20)	TP	Methyl tert butyl ether		0.290	0.339	0.401	0.370	0.371	0.378	0.371	0.360	9.97
21)	TP	tert-Butyl alc			0.006	0.006	0.006	0.006	0.006	0.006	0.006#	2.97
22)	TP	Diisopropyl ether		0.470	0.450	0.543	0.504	0.516	0.526	0.511	0.503	6.44
23)	TP	1,1-Dichloroet		0.306	0.331	0.351	0.312	0.307	0.313	0.307	0.318	5.33
24)	TP	Halothane		0.110	0.130	0.138	0.132	0.132	0.131	0.132	0.129	6.71
25)	TP	Acrylonitrile			0.039	0.039	0.036	0.035	0.034	0.032	0.036	7.58
26)	TP	Ethyl tert-but		0.423	0.404	0.459	0.438	0.444	0.454	0.448	0.439	4.36
27)	TP	Vinyl acetate			0.240	0.294	0.300	0.307	0.311	0.303	0.292	9.04
28)	TP	cis-1,2-Dichlo		0.165	0.191	0.221	0.193	0.180	0.184	0.187	0.189#	8.96
29)	TP	2,2-Dichloropr		0.243	0.271	0.314	0.269	0.275	0.281	0.280	0.276	7.64
30)	TP	Bromochloromet		0.084	0.076	0.085	0.079	0.077	0.081	0.080	0.080#	3.98
31)	TP	Cyclohexane		0.278	0.298	0.360	0.309	0.305	0.307	0.302	0.308	8.10
32)	TC	Chloroform		0.320	0.301	0.330	0.302	0.296	0.307	0.309	0.309	3.83
33)	TP	Ethyl acetate			0.086	0.088	0.081	0.081	0.084	0.079	0.083	4.55
34)	TP	Carbon tetrachloride	0.219	0.180	0.211	0.241	0.227	0.238	0.243	0.247	0.226	9.87
35)	TP	Tetrahydrofuran			0.027	0.028	0.024	0.022	0.023	0.022	0.025	10.50
36)	S	Dibromofluoromethane	0.241	0.239	0.238	0.245	0.227	0.227	0.232	0.228	0.235	2.93
37)	TP	1,1,1-Trichlor		0.231	0.245	0.288	0.275	0.278	0.279	0.278	0.268	7.95
39)	TP	2-Butanone			0.045	0.034	0.035	0.032	0.035	0.034	0.036	13.30

Initial Calibration Summary
Form 6
Volatiles

Client	**: Tenen Environmental, LLC**	**Lab Number**	**: L2200912**
Project Name	**: 21-25 31ST STREET**	**Project Number**	**: 21-25 31ST STREET**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL18621**
Calibration dates	**: 01/03/22 21:26 01/04/22 00:17**		

Calibration Files
L11 =VE220103N04.D L1 =VE220103N06.D L2 =VE220103N08.D L3 =VE220103N09.D L4 =VE220103N10.D
L6 =VE220103N11.D L8 =VE220103N12.D L10 =VE220103N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.175	0.200	0.262	0.228	0.243	0.244	0.243	0.228	13.30
41) TP	Benzene	0.651	0.632	0.663	0.755	0.707	0.721	0.744	0.722	0.699	6.45
42) TP	Tertiary-Amyl Methyl Ether		0.342	0.361	0.393	0.377	0.395	0.416	0.400	0.383	6.52
43) S	1,2-Dichloroethane-d4	0.250	0.248	0.242	0.255	0.251	0.252	0.259	0.254	0.251	2.00
44) TP	1,2-Dichloroet		0.193	0.180	0.205	0.200	0.201	0.204	0.199	0.197	4.36
47) TP	Methyl cyclohe		0.261	0.261	0.326	0.298	0.313	0.327	0.310	0.299	9.43
48) TP	Trichloroethene	0.206	0.147	0.167	0.192	0.172	0.180	0.181	0.182	0.178#	9.82
50) TP	Dibromomethane		0.086	0.081	0.096	0.087	0.088	0.092	0.087	0.088	5.08
51) TC	1,2-Dichloropr		0.157	0.159	0.198	0.178	0.177	0.178	0.172	0.174	7.95
54) TP	Bromodichlorom		0.212	0.211	0.248	0.225	0.234	0.242	0.238	0.230#	6.29
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	11.05
58) TP	cis-1,3-Dichloropropene	0.221	0.215	0.227	0.279	0.267	0.278	0.289	0.281	0.257#	11.93
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.367	1.362	1.337	1.374	1.352	1.290	1.267	1.252	1.325	3.64
61) TC	Toluene	0.619	0.609	0.583	0.652	0.610	0.611	0.619	0.615	0.615	3.07
62) TP	4-Methyl-2-pen			0.039	0.046	0.045	0.043	0.043	0.040	0.043	6.66
63) TP	Tetrachloroethene		0.219	0.230	0.267	0.252	0.254	0.262	0.261	0.249	7.21
65) TP	trans-1,3-Dichloropropene	0.287	0.230	0.245	0.306	0.304	0.302	0.311	0.299	0.286#	10.74
67) TP	Ethyl methacry		0.213	0.185	0.221	0.204	0.201	0.202	0.192	0.202	5.92
68) TP	1,1,2-Trichlor		0.131	0.118	0.143	0.140	0.137	0.138	0.131	0.134#	6.30
69) TP	Chlorodibromom		0.151	0.164	0.199	0.192	0.200	0.209	0.207	0.189#	11.95
70) TP	1,3-Dichloropr		0.264	0.259	0.315	0.302	0.292	0.297	0.283	0.287	7.11
71) TP	1,2-Dibromoethane		0.146	0.142	0.166	0.160	0.156	0.163	0.156	0.155#	5.56
72) TP	2-Hexanone			0.096	0.084	0.078	0.072	0.070	0.065	0.077	14.46
73) TP	Chlorobenzene		0.562	0.585	0.686	0.640	0.642	0.662	0.654	0.633	6.94
74) TC	Ethylbenzene	1.218	1.072	1.057	1.263	1.186	1.183	1.210	1.128	1.165	6.24
75) TP	1,1,1,2-Tetrac		0.160	0.197	0.228	0.224	0.238	0.254	0.253	0.222	15.11
76) TP	p/m Xylene	0.443	0.373	0.410	0.483	0.459	0.479	0.489	0.458	0.449	8.89
77) TP	o Xylene	0.375	0.369	0.394	0.462	0.445	0.457	0.466	0.435	0.425	9.43
78) TP	Styrene	0.634	0.563	0.627	0.758	0.754	0.786	0.774	0.686	0.698	11.82
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.156	0.175	0.197	0.209	0.239	0.261	0.250	0.213	18.54
82) TP	Isopropylbenzene		1.867	2.026	2.318	2.062	2.088	2.170	1.947	2.068	7.13
83) S	4-Bromofluorobenzene	0.864	0.898	0.919	0.853	0.823	0.834	0.833	0.790	0.852	4.86
84) TP	Bromobenzene		0.498	0.456	0.521	0.467	0.479	0.507	0.483	0.487	4.63
85) TP	n-Propylbenzene		2.214	2.340	2.758	2.446	2.389	2.449	2.172	2.395	8.04

Initial Calibration Summary
Form 6
Volatiles

Client	**: Tenen Environmental, LLC**	**Lab Number**	**: L2200912**
Project Name	**: 21-25 31ST STREET**	**Project Number**	**: 21-25 31ST STREET**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL18621**
Calibration dates	**: 01/03/22 21:26 01/04/22 00:17**		

Calibration Files
L11 =VE220103N04.D L1 =VE220103N06.D L2 =VE220103N08.D L3 =VE220103N09.D L4 =VE220103N10.D
L6 =VE220103N11.D L8 =VE220103N12.D L10 =VE220103N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
86) TP	1,4-Dichlorobu		0.545	0.537	0.558	0.505	0.466	0.482	0.448	0.506	8.41
87) TP	1,1,2,2-Tetrac		0.343	0.299	0.353	0.318	0.313	0.318	0.296	0.320	6.63
88) TP	4-Ethyltoluene		1.840	1.944	2.231	2.015	2.017	2.088	1.891	2.004	6.50
89) TP	2-Chlorotoluene		1.544	1.594	1.834	1.662	1.644	1.702	1.577	1.651	5.87
90) TP	1,3,5-Trimethy		1.485	1.620	1.919	1.742	1.742	1.787	1.642	1.705	8.11
91) TP	1,2,3-Trichlor		0.262	0.271	0.279	0.267	0.256	0.267	0.249	0.264	3.69
92) TP	trans-1,4-Dich		0.112	0.100	0.104	0.098	0.081	0.086	0.086	0.095	11.95
93) TP	4-Chlorotoluene		1.374	1.487	1.633	1.481	1.458	1.497	1.396	1.475	5.70
94) TP	tert-Butylbenzene		1.311	1.406	1.601	1.420	1.456	1.529	1.415	1.448	6.45
97) TP	1,2,4-Trimethy		1.543	1.549	1.867	1.754	1.718	1.763	1.644	1.691	7.05
98) TP	sec-Butylbenzene		1.994	2.040	2.467	2.136	2.112	2.218	1.968	2.134	8.00
99) TP	p-Isopropyltol		1.564	1.691	2.031	1.821	1.831	1.928	1.756	1.803	8.49
100) TP	1,3-Dichlorobe		0.809	0.896	1.017	0.965	0.968	1.005	0.979	0.948	7.66
101) TP	1,4-Dichlorobe		0.938	0.895	1.014	0.949	0.944	0.975	0.960	0.954	3.82
102) TP	p-Diethylbenzene		0.934	0.967	1.179	1.059	1.072	1.151	1.090	1.065	8.38
103) TP	n-Butylbenzene		1.380	1.440	1.813	1.575	1.517	1.632	1.478	1.548	9.29
104) TP	1,2-Dichlorobe		0.830	0.854	0.936	0.878	0.859	0.895	0.879	0.876	3.87
105) TP	1,2,4,5-Tetram		1.276	1.388	1.785	1.689	1.680	1.830	1.702	1.621	12.80
106) TP	1,2-Dibromo-3-		0.025	0.039	0.043	0.046	0.045	0.050	0.050	*L	0.9983
107) TP	1,3,5-Trichlor		0.535	0.570	0.694	0.630	0.660	0.738	0.716	0.649	11.60
108) TP	Hexachlorobuta		0.185	0.205	0.246	0.206	0.227	0.268	0.246	0.226	12.85
109) TP	1,2,4-Trichlor		0.512	0.454	0.560	0.533	0.557	0.611	0.597	0.546	9.70
110) TP	Naphthalene		0.977	0.966	1.072	1.075	1.094	1.164	1.092	1.063	6.56
111) TP	1,2,3-Trichlor		0.405	0.391	0.476	0.457	0.488	0.527	0.512	0.465	11.08

Response Factor Report Elaine

Method Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Method File : Elaine_220103N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jan 04 15:18:37 2022
Response Via : Initial Calibration

Calibration Files
L11 =VE220103N04.D L1 =VE220103N06.D L2 =VE220103N08.D L3 =VE220103N09.D L4 =VE220103N10.D
L6 =VE220103N11.D L8 =VE220103N12.D L10 =VE220103N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.207	0.263	0.294	0.264	0.255	0.252	0.244	0.254	10.19
3)	TP	Chloromethane		0.188	0.199	0.218	0.190	0.180	0.185	0.180	0.191	7.13
4)	TC	Vinyl chloride	0.192	0.187	0.229	0.252	0.224	0.215	0.213	0.206	0.215	9.71
5)	TP	Bromomethane		0.116	0.115	0.129	0.114	0.125	0.133	0.133	0.124	6.94
6)	TP	Chloroethane		0.139	0.155	0.168	0.145	0.139	0.138	0.133	0.145	8.52
7)	TP	Trichlorofluor...		0.298	0.345	0.392	0.358	0.351	0.347	0.342	0.348	8.00
8)	TP	Ethyl ether		0.067	0.070	0.092	0.085	0.075	0.079	0.078	0.078	11.03
10)	TC	1,1-Dichloroet...		0.133	0.161	0.179	0.156	0.156	0.155	0.159	0.157	8.57
11)	TP	Carbon disulfide		0.325	0.396	0.458	0.395	0.399	0.409	0.400	0.398	9.78
12)	TP	Freon-113		0.114	0.146	0.188	0.171	0.160	0.158	0.160	0.157	14.56
13)	TP	Iodomethane			0.053	0.112	0.145	0.173	0.183	0.187	*Q	0.9986
14)	TP	Acrolein		0.018	0.019	0.016	0.014	0.016	0.015	0.014	0.016	11.93
15)	TP	Methylene chlo...		0.186	0.178	0.197	0.167	0.163	0.166	0.163	0.174	7.61
17)	TP	Acetone			0.047	0.024	0.020	0.020	0.021	0.020	*L	0.9992
18)	TP	trans-1,2-Dich...		0.162	0.179	0.185	0.167	0.160	0.168	0.171	0.170	5.34
19)	TP	Methyl acetate			0.075	0.069	0.059	0.059	0.060	0.057	0.063	11.46
20)	TP	Methyl tert-bu...		0.290	0.339	0.401	0.370	0.371	0.378	0.371	0.360	9.97
21)	TP	tert-Butyl alc...			0.006	0.006	0.006	0.006	0.006	0.006	0.006#	2.97
22)	TP	Diisopropyl ether		0.470	0.450	0.543	0.504	0.516	0.526	0.511	0.503	6.44
23)	TP	1,1-Dichloroet...		0.306	0.331	0.351	0.312	0.307	0.313	0.307	0.318	5.33
24)	TP	Halothane		0.110	0.130	0.138	0.132	0.132	0.131	0.132	0.129	6.71
25)	TP	Acrylonitrile			0.039	0.039	0.036	0.035	0.034	0.032	0.036	7.58
26)	TP	Ethyl tert-but...		0.423	0.404	0.459	0.438	0.444	0.454	0.448	0.439	4.36
27)	TP	Vinyl acetate			0.240	0.294	0.300	0.307	0.311	0.303	0.292	9.04
28)	TP	cis-1,2-Dichlo...		0.165	0.191	0.221	0.193	0.180	0.184	0.187	0.189#	8.96
29)	TP	2,2-Dichloropr...		0.243	0.271	0.314	0.269	0.275	0.281	0.280	0.276	7.64
30)	TP	Bromochloromet...		0.084	0.076	0.085	0.079	0.077	0.081	0.080	0.080#	3.98
31)	TP	Cyclohexane		0.278	0.298	0.360	0.309	0.305	0.307	0.302	0.308	8.10
32)	TC	Chloroform		0.320	0.301	0.330	0.302	0.296	0.307	0.309	0.309	3.83
33)	TP	Ethyl acetate			0.086	0.088	0.081	0.081	0.084	0.079	0.083	4.55

Method Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Method File : Elaine_220103N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jan 04 15:18:37 2022
Response Via : Initial Calibration

Calibration Files
L11 =VE220103N04.D L1 =VE220103N06.D L2 =VE220103N08.D L3 =VE220103N09.D L4 =VE220103N10.D
L6 =VE220103N11.D L8 =VE220103N12.D L10 =VE220103N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.219	0.180	0.211	0.241	0.227	0.238	0.243	0.247	0.226	9.87
35)	TP	Tetrahydrofuran			0.027	0.028	0.024	0.022	0.023	0.022	0.025	10.50
36)	S	Dibromofluorom...	0.241	0.239	0.238	0.245	0.227	0.227	0.232	0.228	0.235	2.93
37)	TP	1,1,1-Trichlor...		0.231	0.245	0.288	0.275	0.278	0.279	0.278	0.268	7.95
39)	TP	2-Butanone			0.045	0.034	0.035	0.032	0.035	0.034	0.036	13.30
40)	TP	1,1-Dichloropr...		0.175	0.200	0.262	0.228	0.243	0.244	0.243	0.228	13.30
41)	TP	Benzene	0.651	0.632	0.663	0.755	0.707	0.721	0.744	0.722	0.699	6.45
42)	TP	tert-Amyl meth...		0.342	0.361	0.393	0.377	0.395	0.416	0.400	0.383	6.52
43)	S	1,2-Dichloroet...	0.250	0.248	0.242	0.255	0.251	0.252	0.259	0.254	0.251	2.00
44)	TP	1,2-Dichloroet...		0.193	0.180	0.205	0.200	0.201	0.204	0.199	0.197	4.36
47)	TP	Methyl cyclohe...		0.261	0.261	0.326	0.298	0.313	0.327	0.310	0.299	9.43
48)	TP	Trichloroethene	0.206	0.147	0.167	0.192	0.172	0.180	0.181	0.182	0.178#	9.82
50)	TP	Dibromomethane		0.086	0.081	0.096	0.087	0.088	0.092	0.087	0.088	5.08
51)	TC	1,2-Dichloropr...		0.157	0.159	0.198	0.178	0.177	0.178	0.172	0.174	7.95
54)	TP	Bromodichlorom...		0.212	0.211	0.248	0.225	0.234	0.242	0.238	0.230#	6.29
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	11.05
58)	TP	cis-1,3-Dichlo...	0.221	0.215	0.227	0.279	0.267	0.278	0.289	0.281	0.257#	11.93
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.367	1.362	1.337	1.374	1.352	1.290	1.267	1.252	1.325	3.64
61)	TC	Toluene	0.619	0.609	0.583	0.652	0.610	0.611	0.619	0.615	0.615	3.07
62)	TP	4-Methyl-2-pen...			0.039	0.046	0.045	0.043	0.043	0.040	0.043	6.66
63)	TP	Tetrachloroethene		0.219	0.230	0.267	0.252	0.254	0.262	0.261	0.249	7.21
65)	TP	trans-1,3-Dich...	0.287	0.230	0.245	0.306	0.304	0.302	0.311	0.299	0.286#	10.74
67)	TP	Ethyl methacry...		0.213	0.185	0.221	0.204	0.201	0.202	0.192	0.202	5.92
68)	TP	1,1,2-Trichlor...		0.131	0.118	0.143	0.140	0.137	0.138	0.131	0.134#	6.30
69)	TP	Chlorodibromom...		0.151	0.164	0.199	0.192	0.200	0.209	0.207	0.189#	11.95
70)	TP	1,3-Dichloropr...		0.264	0.259	0.315	0.302	0.292	0.297	0.283	0.287	7.11
71)	TP	1,2-Dibromoethane		0.146	0.142	0.166	0.160	0.156	0.163	0.156	0.155#	5.56
72)	TP	2-Hexanone			0.096	0.084	0.078	0.072	0.070	0.065	0.077	14.46
73)	TP	Chlorobenzene		0.562	0.585	0.686	0.640	0.642	0.662	0.654	0.633	6.94
74)	TC	Ethylbenzene	1.218	1.072	1.057	1.263	1.186	1.183	1.210	1.128	1.165	6.24

Response Factor Report Elaine

Method Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Method File : Elaine_220103N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jan 04 15:18:37 2022
Response Via : Initial Calibration

Calibration Files
L11 =VE220103N04.D L1 =VE220103N06.D L2 =VE220103N08.D L3 =VE220103N09.D L4 =VE220103N10.D
L6 =VE220103N11.D L8 =VE220103N12.D L10 =VE220103N13.D

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
75)	TP	1,1,1,2-Tetrac...		0.160	0.197	0.228	0.224	0.238	0.254	0.253	0.222	15.11	
76)	TP	p/m Xylene	0.443	0.373	0.410	0.483	0.459	0.479	0.489	0.458	0.449	8.89	
77)	TP	o Xylene	0.375	0.369	0.394	0.462	0.445	0.457	0.466	0.435	0.425	9.43	
78)	TP	Styrene	0.634	0.563	0.627	0.758	0.754	0.786	0.774	0.686	0.698	11.82	
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform		0.156	0.175	0.197	0.209	0.239	0.261	0.250	0.213	18.54	
82)	TP	Isopropylbenzene		1.867	2.026	2.318	2.062	2.088	2.170	1.947	2.068	7.13	
83)	S	4-Bromofluorob...	0.864	0.898	0.919	0.853	0.823	0.834	0.833	0.790	0.852	4.86	
84)	TP	Bromobenzene		0.498	0.456	0.521	0.467	0.479	0.507	0.483	0.487	4.63	
85)	TP	n-Propylbenzene		2.214	2.340	2.758	2.446	2.389	2.449	2.172	2.395	8.04	
86)	TP	1,4-Dichlorobu...		0.545	0.537	0.558	0.505	0.466	0.482	0.448	0.506	8.41	
87)	TP	1,1,2,2-Tetrac...		0.343	0.299	0.353	0.318	0.313	0.318	0.296	0.320	6.63	
88)	TP	4-Ethyltoluene		1.840	1.944	2.231	2.015	2.017	2.088	1.891	2.004	6.50	
89)	TP	2-Chlorotoluene		1.544	1.594	1.834	1.662	1.644	1.702	1.577	1.651	5.87	
90)	TP	1,3,5-Trimethy...		1.485	1.620	1.919	1.742	1.742	1.787	1.642	1.705	8.11	
91)	TP	1,2,3-Trichlor...		0.262	0.271	0.279	0.267	0.256	0.267	0.249	0.264	3.69	
92)	TP	trans-1,4-Dich...		0.112	0.100	0.104	0.098	0.081	0.086	0.086	0.095	11.95	
93)	TP	4-Chlorotoluene		1.374	1.487	1.633	1.481	1.458	1.497	1.396	1.475	5.70	
94)	TP	tert-Butylbenzene		1.311	1.406	1.601	1.420	1.456	1.529	1.415	1.448	6.45	
97)	TP	1,2,4-Trimethy...		1.543	1.549	1.867	1.754	1.718	1.763	1.644	1.691	7.05	
98)	TP	sec-Butylbenzene		1.994	2.040	2.467	2.136	2.112	2.218	1.968	2.134	8.00	
99)	TP	p-Isopropyltol...		1.564	1.691	2.031	1.821	1.831	1.928	1.756	1.803	8.49	
100)	TP	1,3-Dichlorobe...		0.809	0.896	1.017	0.965	0.968	1.005	0.979	0.948	7.66	
101)	TP	1,4-Dichlorobe...		0.938	0.895	1.014	0.949	0.944	0.975	0.960	0.954	3.82	
102)	TP	p-Diethylbenzene		0.934	0.967	1.179	1.059	1.072	1.151	1.090	1.065	8.38	
103)	TP	n-Butylbenzene		1.380	1.440	1.813	1.575	1.517	1.632	1.478	1.548	9.29	
104)	TP	1,2-Dichlorobe...		0.830	0.854	0.936	0.878	0.859	0.895	0.879	0.876	3.87	
105)	TP	1,2,4,5-Tetram...		1.276	1.388	1.785	1.689	1.680	1.830	1.702	1.621	12.80	
106)	TP	1,2-Dibromo-3-...		0.025	0.039	0.043	0.046	0.045	0.050	0.050	*L	0.9983	
107)	TP	1,3,5-Trichlor...		0.535	0.570	0.694	0.630	0.660	0.738	0.716	0.649	11.60	
108)	TP	Hexachlorobuta...		0.185	0.205	0.246	0.206	0.227	0.268	0.246	0.226	12.85	

Method Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Method File : Elaine_220103N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jan 04 15:18:37 2022
Response Via : Initial Calibration

Calibration Files
L11 =VE220103N04.D L1 =VE220103N06.D L2 =VE220103N08.D L3 =VE220103N09.D L4 =VE220103N10.D
L6 =VE220103N11.D L8 =VE220103N12.D L10 =VE220103N13.D

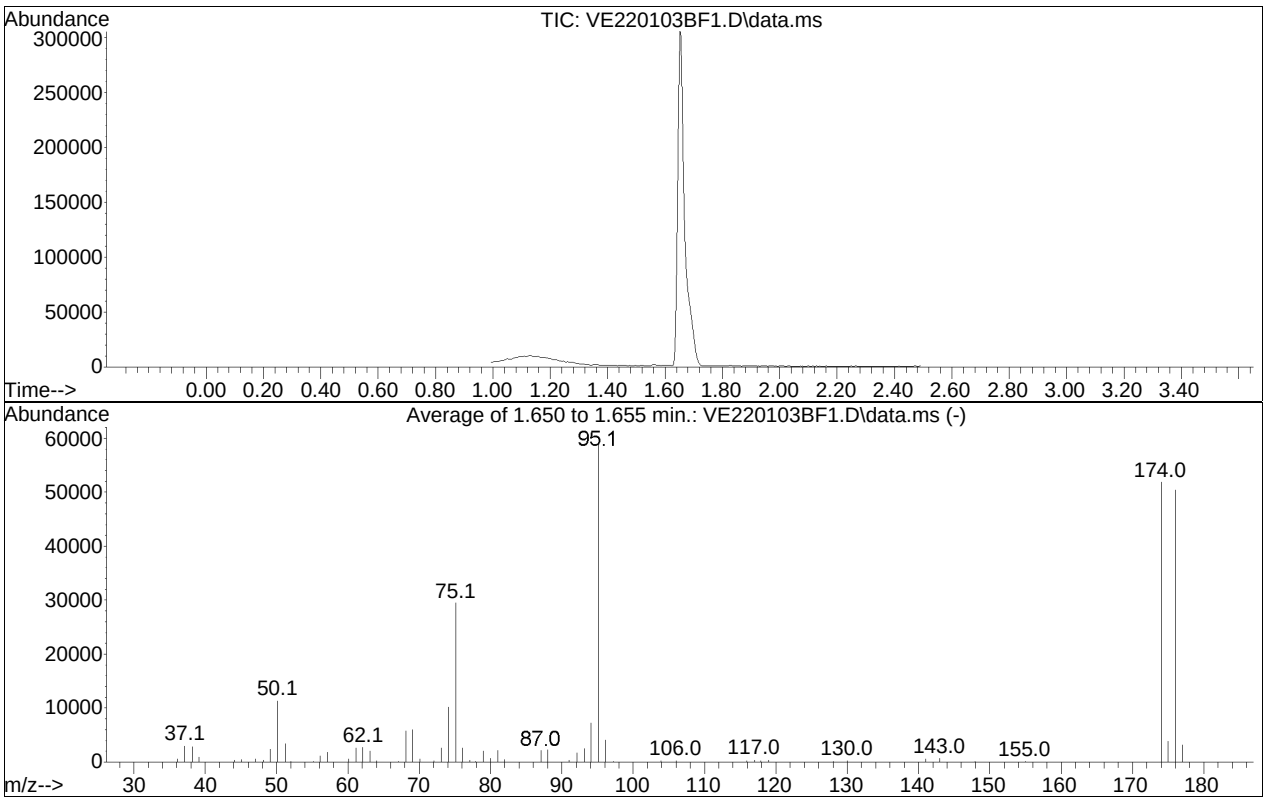
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
109)	TP 1,2,4-Trichlor...	0.512	0.454	0.560	0.533	0.557	0.611	0.597	0.546	9.70	
110)	TP Naphthalene	0.977	0.966	1.072	1.075	1.094	1.164	1.092	1.063	6.56	
111)	TP 1,2,3-Trichlor...	0.405	0.391	0.476	0.457	0.488	0.527	0.512	0.465	11.08	

(#) = Out of Range

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103BF1.D
Acq On : 3 Jan 2022 8:04 pm
Operator : ELAINE:AJK
Sample : WG1590490-1
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jan 04 15:18:37 2022



AutoFind: Scans 237, 238, 239; Background Corrected with Scan 226

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	11300	PASS
75	95	30	60	49.9	29512	PASS
95	95	100	100	100.0	59179	PASS
96	95	5	9	6.8	4050	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	87.7	51877	PASS
175	174	5	9	7.4	3832	PASS
176	174	95	101	97.2	50437	PASS
177	176	5	9	6.3	3172	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N04.D
Acq On : 3 Jan 2022 9:26 pm
Operator : ELAINE:MKS
Sample : I8260STD0.19PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 14:55:59 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.359	96	207339	10.000	ug/L	0.00
Standard Area 1 = 186998			Recovery = 110.88%			
59) Chlorobenzene-d5	8.417	117	151202	10.000	ug/L	0.00
Standard Area 1 = 138211			Recovery = 109.40%			
79) 1,4-Dichlorobenzene-d4	9.919	152	76398	10.000	ug/L	0.00
Standard Area 1 = 74028			Recovery = 103.20%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.352	113	49959	9.838	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.38%			
43) 1,2-Dichloroethane-d4	5.008	65	51806	9.787	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.87%			
60) Toluene-d8	7.084	98	206754	9.951	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.51%			
83) 4-Bromofluorobenzene	9.246	95	66035	10.134	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.34%			
Target Compounds						Qvalue
4) Vinyl chloride	1.074	62	758	0.145	ug/L	96
34) Carbon tetrachloride	4.204	117	864M1	0.173	ug/L	
41) Benzene	4.816	78	2565	0.164	ug/L #	85
48) Trichloroethene	5.562	95	810M1	0.203	ug/L	
58) cis-1,3-Dichloropropene	6.909	75	871	0.151	ug/L #	79
61) Toluene	7.131	92	1779	0.181	ug/L	86
65) trans-1,3-Dichloropropene	7.571	75	825M1	0.178	ug/L	
74) Ethylbenzene	8.467	91	3500	0.183	ug/L	90
76) p/m Xylene	8.578	106	2546	0.348	ug/L	84
77) o Xylene	8.864	106	2152	0.308	ug/L	90
78) Styrene	8.903	104	3643	0.318	ug/L	87

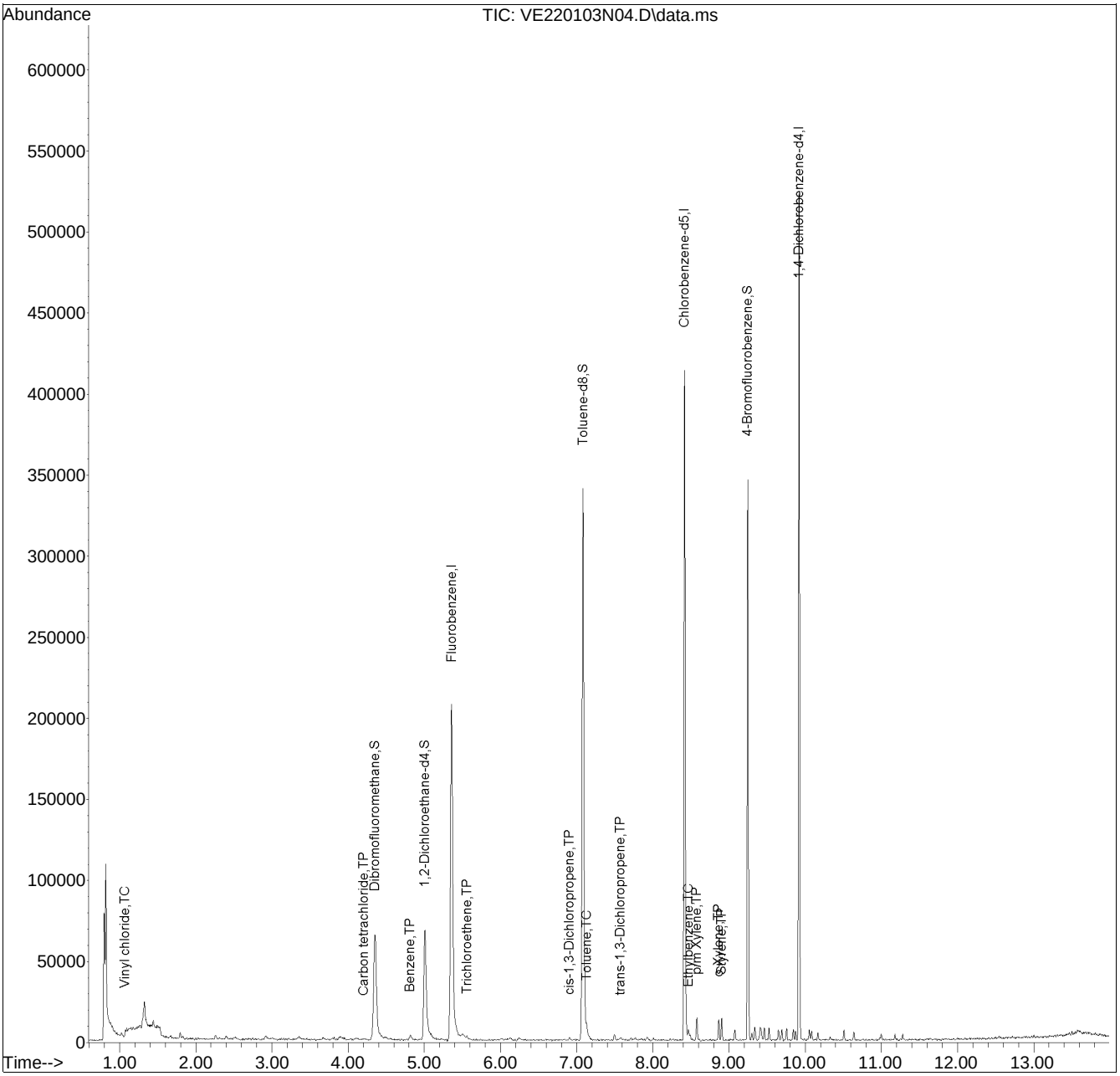
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N04.D
Acq On : 3 Jan 2022 9:26 pm
Operator : ELAINE:MKS
Sample : I8260STD0.19PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 14:55:59 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

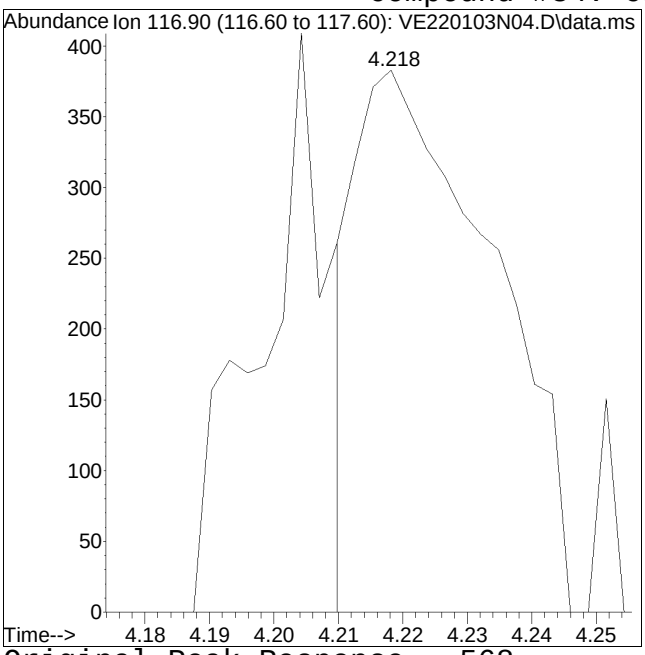
Sub List : 8260-L11 - Level 11 for 8260-LRR productVE220103N09.D•



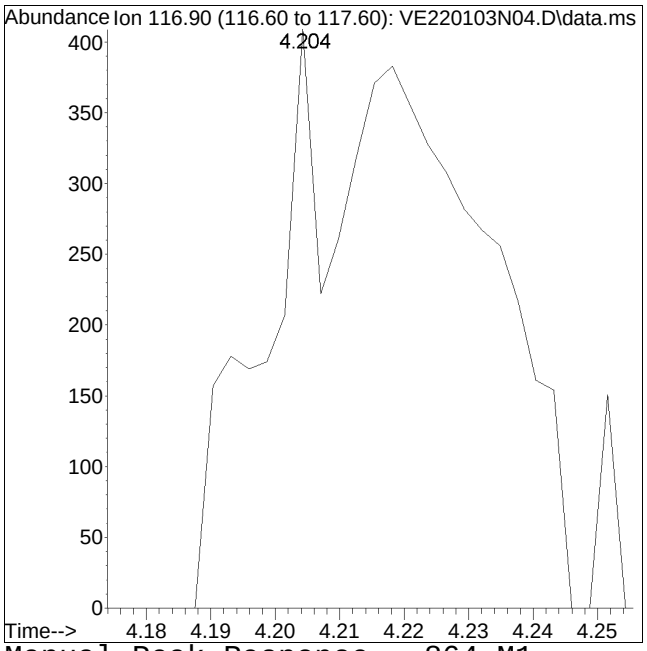
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N04.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 9:26 pm Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 1/4/2022 2:52 pm

Compound #34: Carbon tetrachloride



Original Peak Response = 568



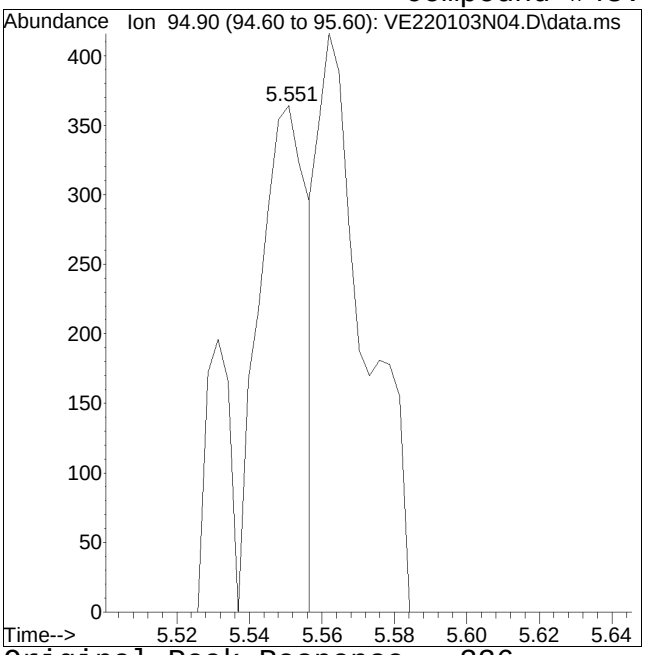
Manual Peak Response = 864 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

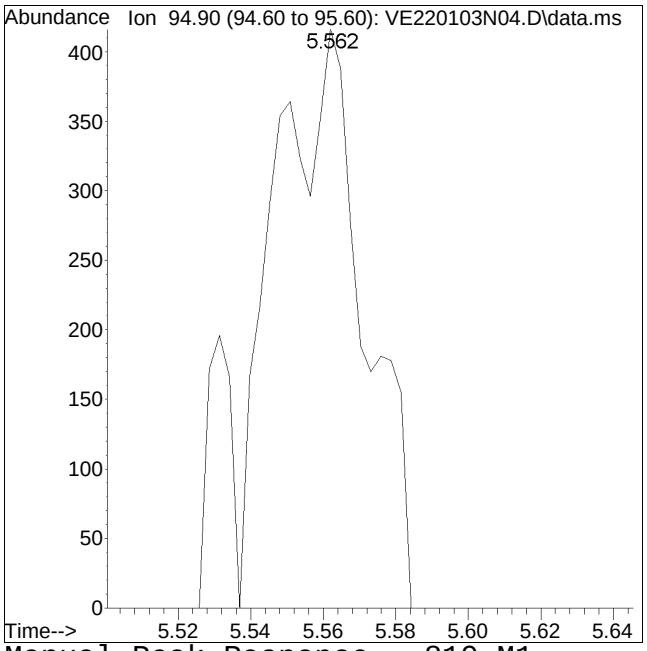
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N04.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 9:26 pm Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 1/4/2022 2:52 pm

Compound #48: Trichloroethene



Original Peak Response = 336



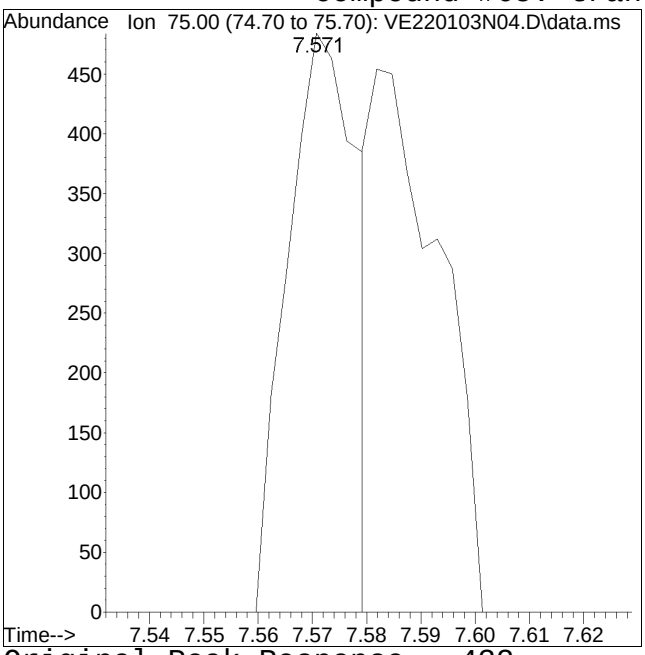
Manual Peak Response = 810 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

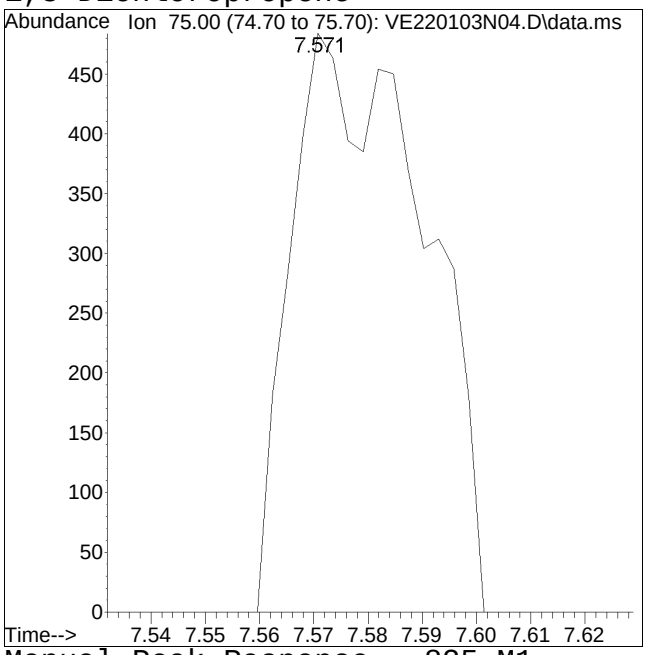
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N04.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 9:26 pm Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 1/4/2022 2:52 pm

Compound #65: trans-1,3-Dichloropropene



Original Peak Response = 432



Manual Peak Response = 825 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N06.D
Acq On : 3 Jan 2022 10:04 pm
Operator : ELAINE:MKS
Sample : I8260STD0.5PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 20:19:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 20:19:00 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.359	96	196157	10.000	ug/L	0.00
Standard Area 1 = 186998			Recovery = 104.90%			
59) Chlorobenzene-d5	8.416	117	142448	10.000	ug/L	0.00
Standard Area 1 = 138211			Recovery = 103.07%			
79) 1,4-Dichlorobenzene-d4	9.919	152	71862	10.000	ug/L	0.00
Standard Area 1 = 74028			Recovery = 97.07%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.354	113	46822	10.174	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.74%			
43) 1,2-Dichloroethane-d4	5.011	65	48568	9.854	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.54%			
60) Toluene-d8	7.081	98	194027	10.278	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.78%			
83) 4-Bromofluorobenzene	9.245	95	64515	10.540	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.907	85	2033	0.408	ug/L	95
3) Chloromethane	1.024	50	1841	0.490	ug/L	95
4) Vinyl chloride	1.074	62	1831	0.434	ug/L	84
5) Bromomethane	1.272	94	1137	0.469	ug/L	92
6) Chloroethane	1.349	64	1362	0.478	ug/L	75
7) Trichlorofluoromethane	1.441	101	2919	0.428	ug/L	93
8) Ethyl ether	1.661	74	658	0.431	ug/L	68
10) 1,1-Dichloroethene	1.792	96	1306	0.424	ug/L #	51
11) Carbon disulfide	1.797	76	3190	0.409	ug/L #	87
12) Freon-113	1.831	101	1118	0.364	ug/L	99
13) Iodomethane	1.889	142	331	1.795	ug/L #	50
14) Acrolein	2.059	56	176	0.562	ug/L #	11
15) Methylene chloride	2.265	84	1820	0.533	ug/L #	63
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	2.401	96	1587	0.476	ug/L #	54
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	2.515	73	2844	0.403	ug/L #	71
21) tert-Butyl alcohol	0.000		0	N.D.	d	
22) Diisopropyl ether	2.927	45	4610	0.467	ug/L #	74
23) 1,1-Dichloroethane	3.013	63	2999M1	0.481	ug/L	
24) Halothane	3.150	117	1083	0.427	ug/L #	52

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N06.D
Acq On : 3 Jan 2022 10:04 pm
Operator : ELAINE:MKS
Sample : I8260STD0.5PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 20:19:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 20:19:00 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.088	53	581M1	0.824	ug/L		
26) Ethyl tert-butyl ether	3.353	59	4147M1	0.482	ug/L		
27) Vinyl acetate	0.000		0	N.D.	d		
28) cis-1,2-Dichloroethene	3.678	96	1623	0.438	ug/L	#	63
29) 2,2-Dichloropropane	3.795	77	2381M1	0.440	ug/L		
30) Bromochloromethane	3.940	128	823M1	0.523	ug/L		
31) Cyclohexane	3.895	56	2722M1	0.450	ug/L		
32) Chloroform	4.101	83	3135M1	0.517	ug/L		
33) Ethyl acetate	0.000		0	N.D.	d		
34) Carbon tetrachloride	4.229	117	1764M1	0.398	ug/L		
35) Tetrahydrofuran	0.000		0	N.D.	d		
37) 1,1,1-Trichloroethane	4.329	97	2262M1	0.431	ug/L		
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	4.518	75	1712M1	0.383	ug/L		
41) Benzene	4.825	78	6201	0.452	ug/L	#	71
42) tert-Amyl methyl ether	5.055	73	3359	0.447	ug/L	#	61
44) 1,2-Dichloroethane	5.100	62	1891	0.488	ug/L	#	50
47) Methyl cyclohexane	5.501	83	2558	0.436	ug/L	#	45
48) Trichloroethene	5.548	95	1437	0.411	ug/L		96
50) Dibromomethane	6.015	93	848	0.490	ug/L	#	68
51) 1,2-Dichloropropane	6.127	63	1543	0.451	ug/L	#	83
54) Bromodichloromethane	6.238	83	2084	0.462	ug/L	#	90
57) 1,4-Dioxane	6.469	88	1002	89.920	ug/L	#	82
58) cis-1,3-Dichloropropene	6.911	75	2111	0.418	ug/L	#	72
61) Toluene	7.131	92	4338	0.495	ug/L		85
62) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
63) Tetrachloroethene	7.498	166	1560	0.439	ug/L		83
65) trans-1,3-Dichloropropene	7.579	75	1641	0.403	ug/L		89
67) Ethyl methacrylate	7.771	69	1514	0.525	ug/L		89
68) 1,1,2-Trichloroethane	7.710	83	934	0.489	ug/L		91
69) Chlorodibromomethane	7.849	129	1073	0.398	ug/L		83
70) 1,3-Dichloropropane	7.924	76	1879	0.459	ug/L	#	79
71) 1,2-Dibromoethane	8.010	107	1037	0.468	ug/L		95
72) 2-Hexanone	8.263	43	912	0.828	ug/L	#	55
73) Chlorobenzene	8.428	112	4002	0.444	ug/L	#	69
74) Ethylbenzene	8.469	91	7634	0.460	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.489	131	1140	0.360	ug/L	#	58
76) p/m Xylene	8.578	106	5318	0.831	ug/L		97
77) o Xylene	8.864	106	5250	0.867	ug/L		91
78) Styrene	8.903	104	8023	0.807	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N06.D
Acq On : 3 Jan 2022 10:04 pm
Operator : ELAINE:MKS
Sample : I8260STD0.5PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 20:19:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 20:19:00 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80)	Bromoform	8.909	173	561	0.367	ug/L		85
82)	Isopropylbenzene	9.076	105	6707	0.451	ug/L		99
84)	Bromobenzene	9.304	156	1789	0.511	ug/L		96
85)	n-Propylbenzene	9.337	91	7955	0.462	ug/L		95
86)	1,4-Dichlorobutane	9.346	55	1960	0.539	ug/L		100
87)	1,1,2,2-Tetrachloroethane	9.396	83	1232	0.536	ug/L		93
88)	4-Ethyltoluene	9.410	105	6613	0.459	ug/L		95
89)	2-Chlorotoluene	9.421	91	5546	0.467	ug/L		97
90)	1,3,5-Trimethylbenzene	9.463	105	5337	0.436	ug/L		94
91)	1,2,3-Trichloropropane	9.463	75	941	0.495	ug/L	#	83
92)	trans-1,4-Dichloro-2-b...	9.499	53	404	0.591	ug/L	#	87
93)	4-Chlorotoluene	9.527	91	4938	0.466	ug/L		99
94)	tert-Butylbenzene	9.649	119	4710	0.453	ug/L		93
97)	1,2,4-Trimethylbenzene	9.693	105	5543	0.456	ug/L		88
98)	sec-Butylbenzene	9.755	105	7164	0.467	ug/L		97
99)	p-Isopropyltoluene	9.844	119	5618	0.434	ug/L		92
100)	1,3-Dichlorobenzene	9.874	146	2907	0.426	ug/L		96
101)	1,4-Dichlorobenzene	9.927	146	3371	0.492	ug/L	#	80
102)	p-Diethylbenzene	10.055	119	3356	0.439	ug/L		93
103)	n-Butylbenzene	10.086	91	4958	0.446	ug/L		98
104)	1,2-Dichlorobenzene	10.166	146	2984	0.474	ug/L		99
105)	1,2,4,5-Tetramethylben...	10.509	119	4585	0.393	ug/L		97
106)	1,2-Dibromo-3-chloropr...	10.625	155	90	0.594	ug/L	#	14
107)	1,3,5-Trichlorobenzene	10.639	180	1924	0.412	ug/L		92
108)	Hexachlorobutadiene	10.984	225	665	0.409	ug/L		98
109)	1,2,4-Trichlorobenzene	10.998	180	1839	0.468	ug/L		92
110)	Naphthalene	11.179	128	3509	0.459	ug/L		100
111)	1,2,3-Trichlorobenzene	11.282	180	1454	0.435	ug/L		87

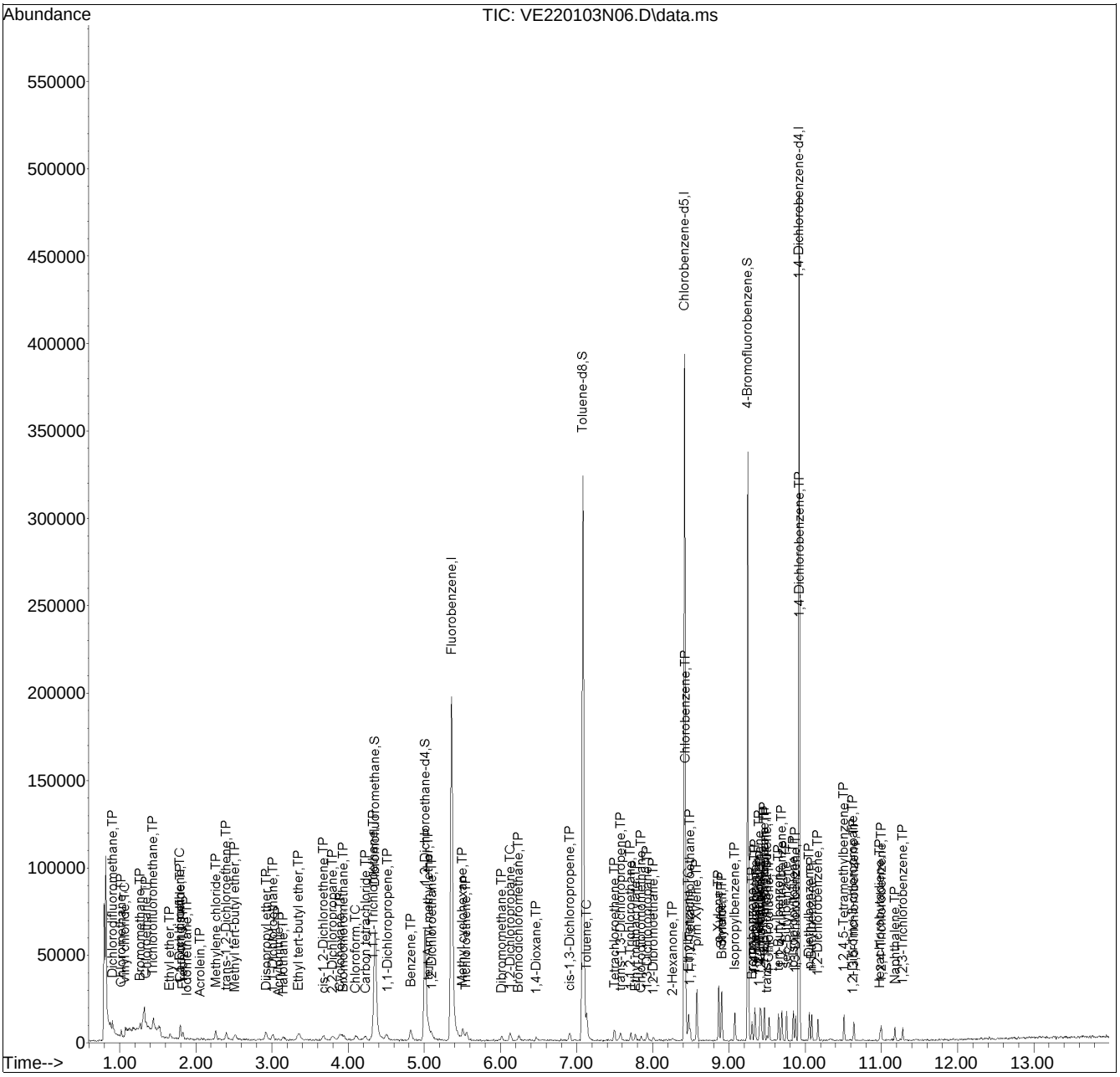
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N06.D
Acq On : 3 Jan 2022 10:04 pm
Operator : ELAINE:MKS
Sample : I8260STD0.5PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 20:19:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 20:19:00 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEAL\VE220103N09.D•

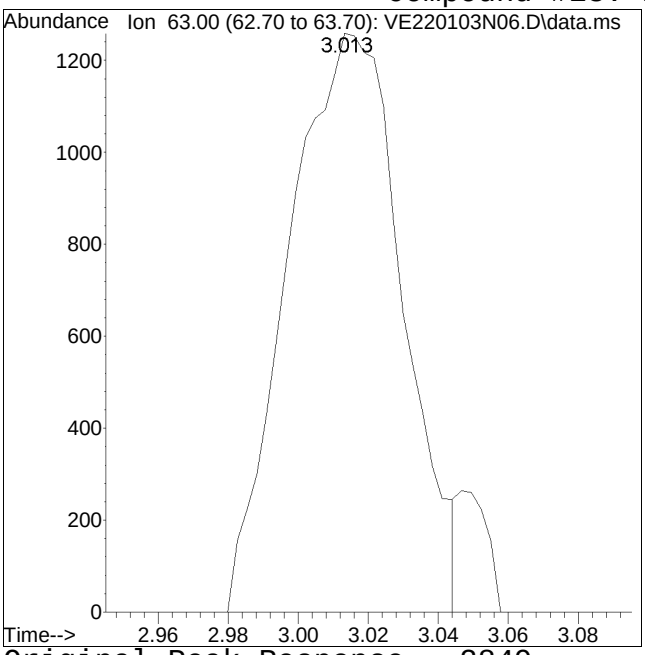


Manual Integration Report

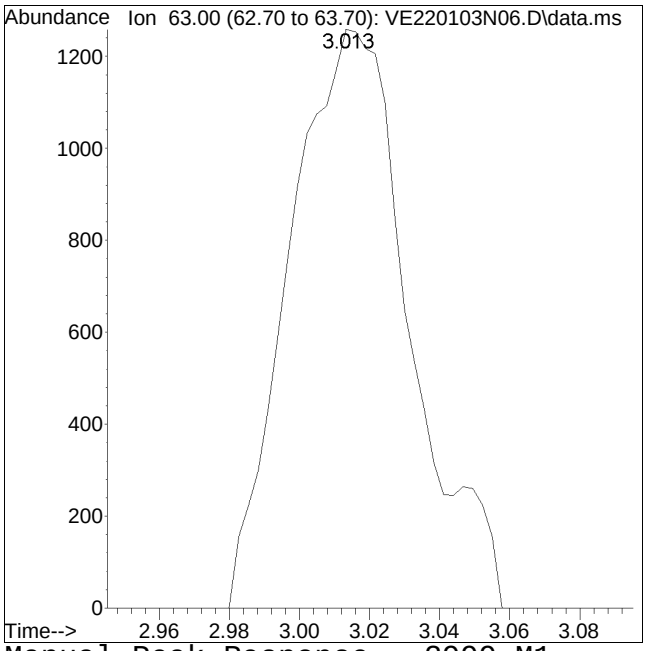
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N06.D
Date Inj'd : 1/3/2022 10:04 pm
Sample : I8260STD0.5PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 8:19 pm

Compound #23: 1,1-Dichloroethane



Original Peak Response = 2849



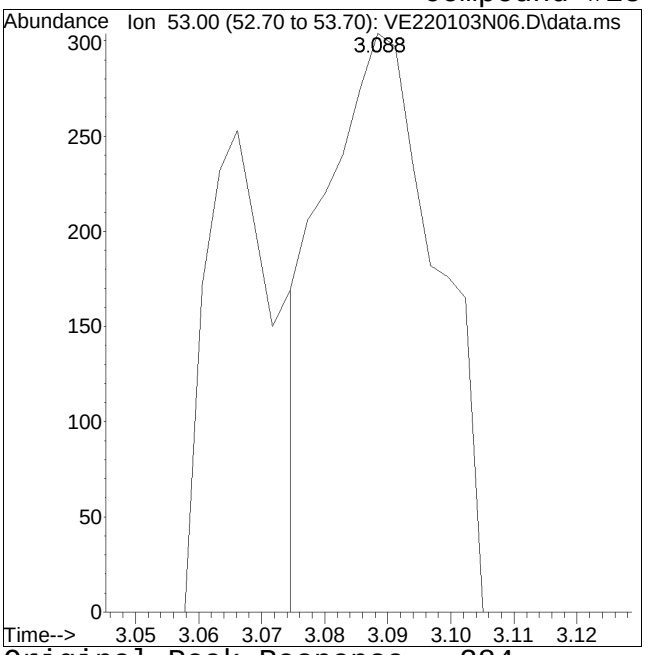
Manual Peak Response = 2999 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

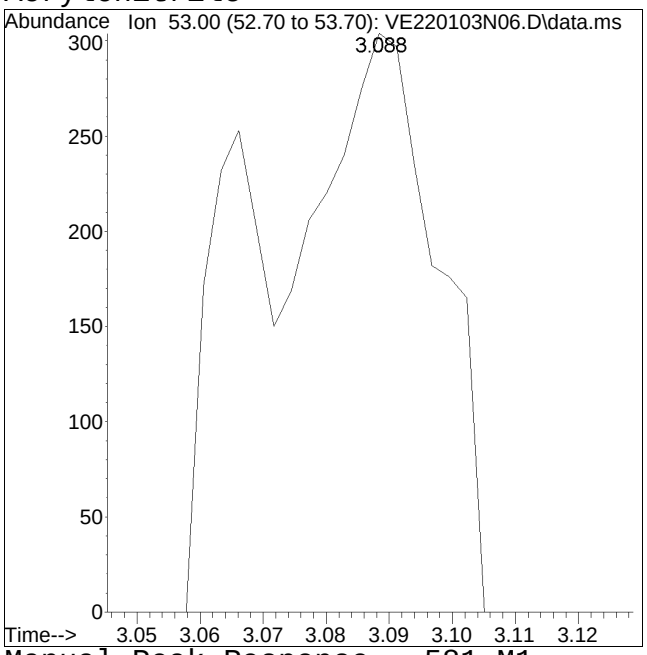
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N06.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:04 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 1/4/2022 8:19 pm

Compound #25: Acrylonitrile



Original Peak Response = 384



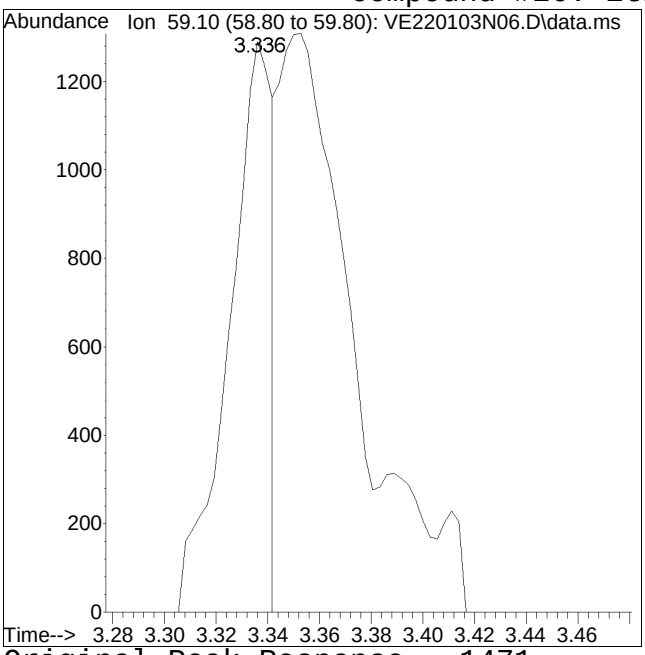
Manual Peak Response = 581 M1

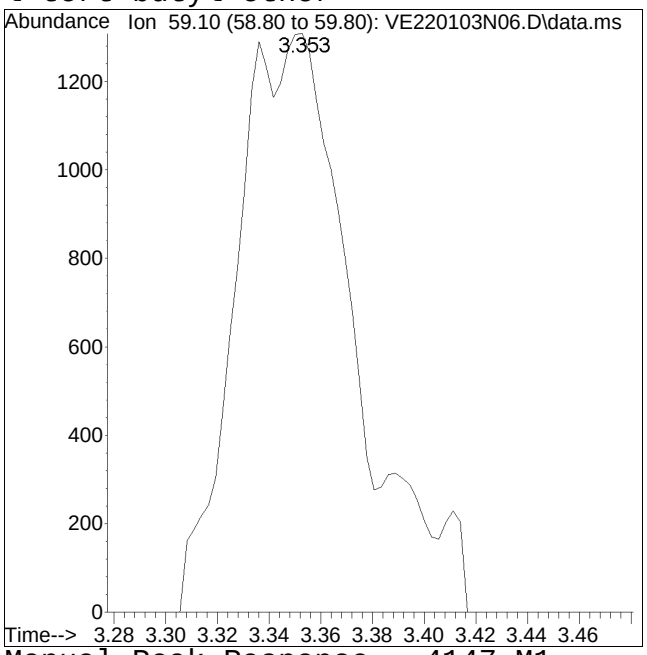
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N06.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:04 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 1/4/2022 8:19 pm

Compound #26: Ethyl tert-butyl ether





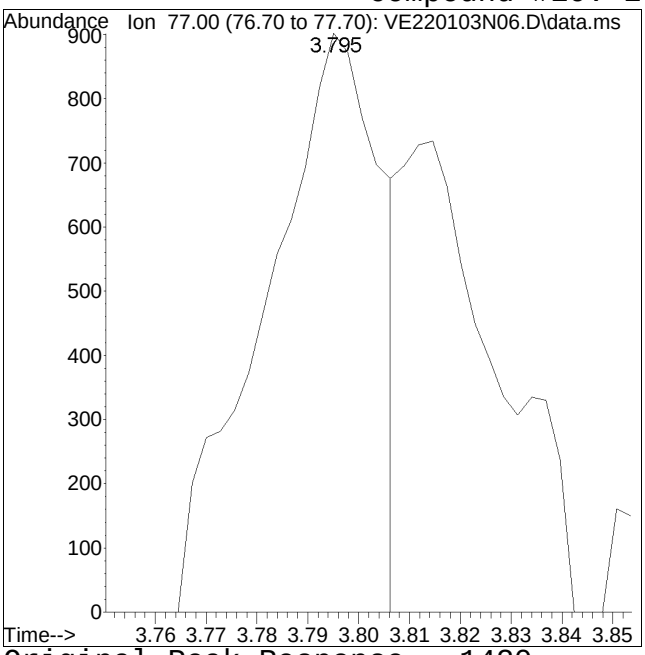
Original Peak Response = 1471 Manual Peak Response = 4147 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

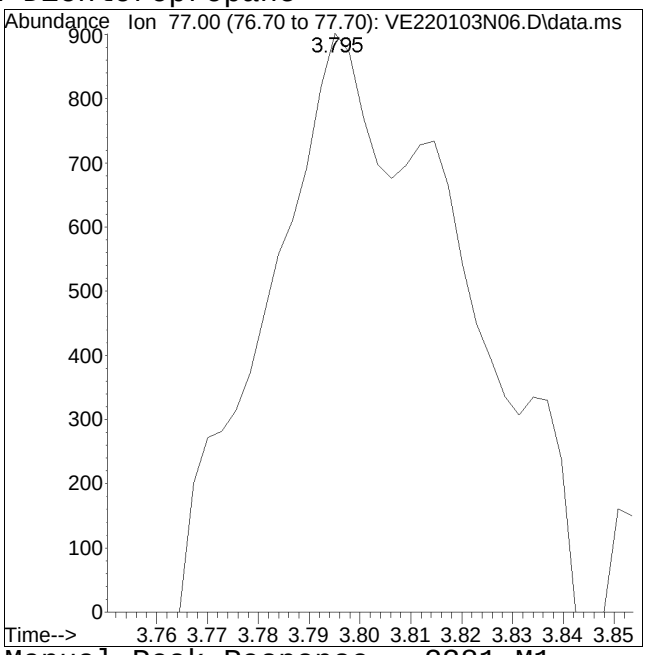
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N06.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:04 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 1/4/2022 8:19 pm

Compound #29: 2,2-Dichloropropane



Original Peak Response = 1420



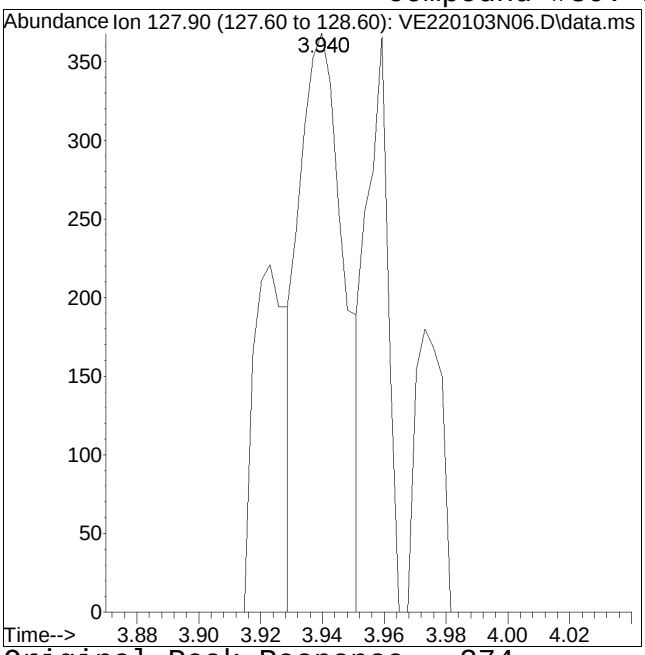
Manual Peak Response = 2381 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

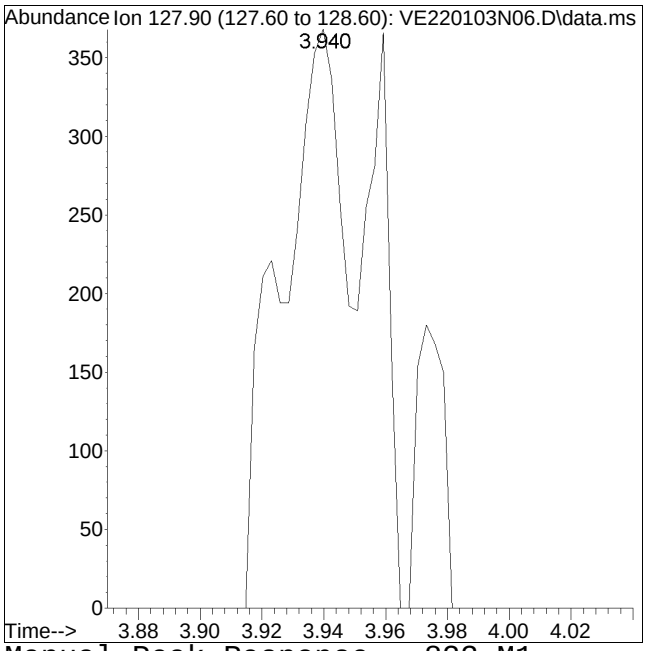
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N06.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:04 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 1/4/2022 8:19 pm

Compound #30: Bromochloromethane



Original Peak Response = 374



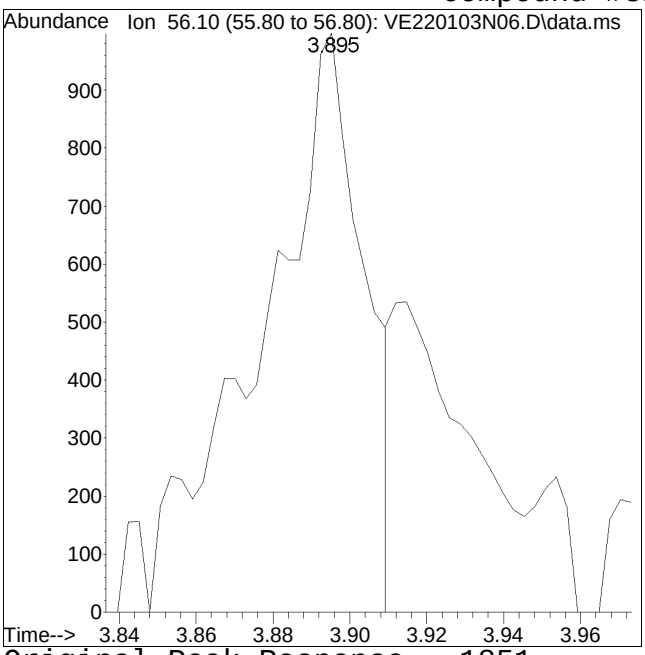
Manual Peak Response = 823 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

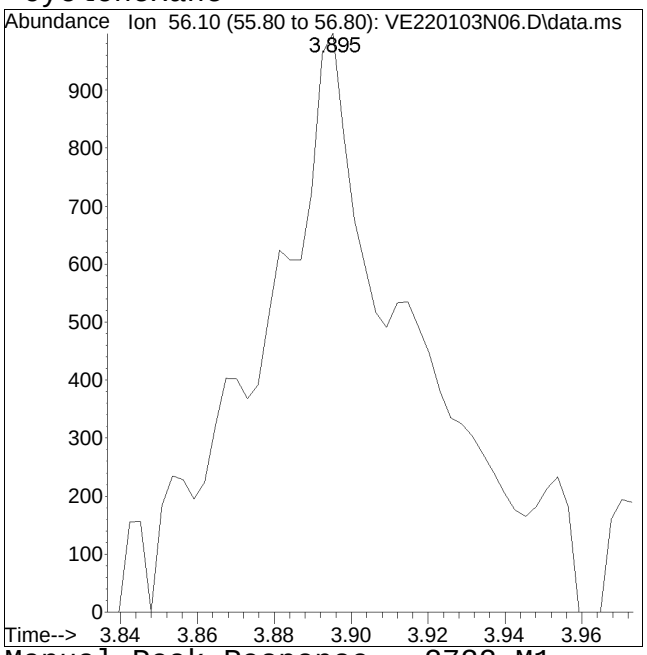
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N06.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:04 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 1/4/2022 8:19 pm

Compound #31: Cyclohexane



Original Peak Response = 1851



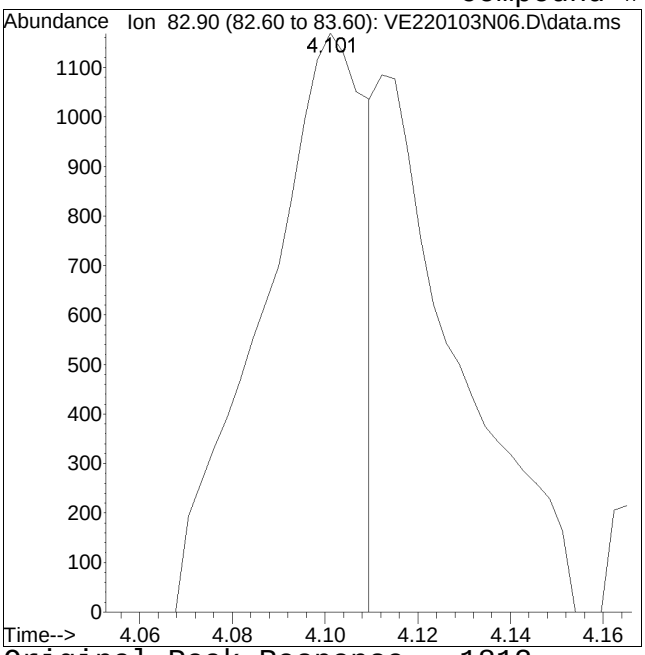
Manual Peak Response = 2722 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

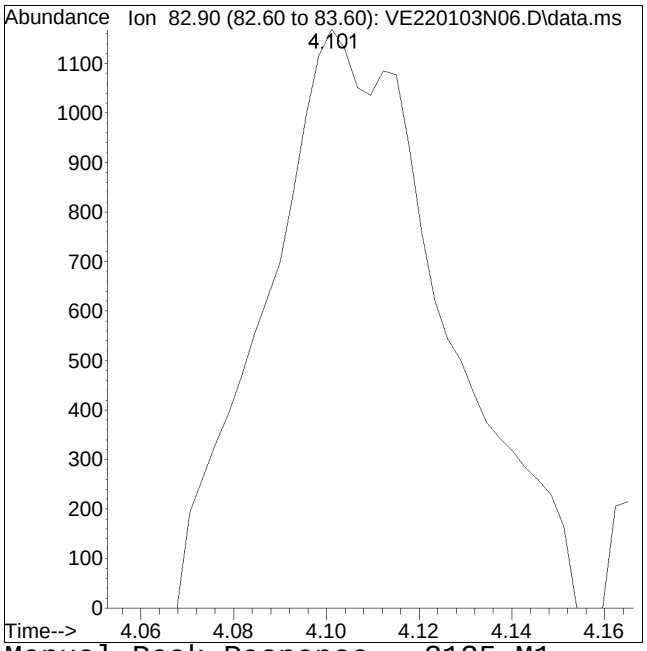
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N06.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:04 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 1/4/2022 8:19 pm

Compound #32: Chloroform



Original Peak Response = 1812



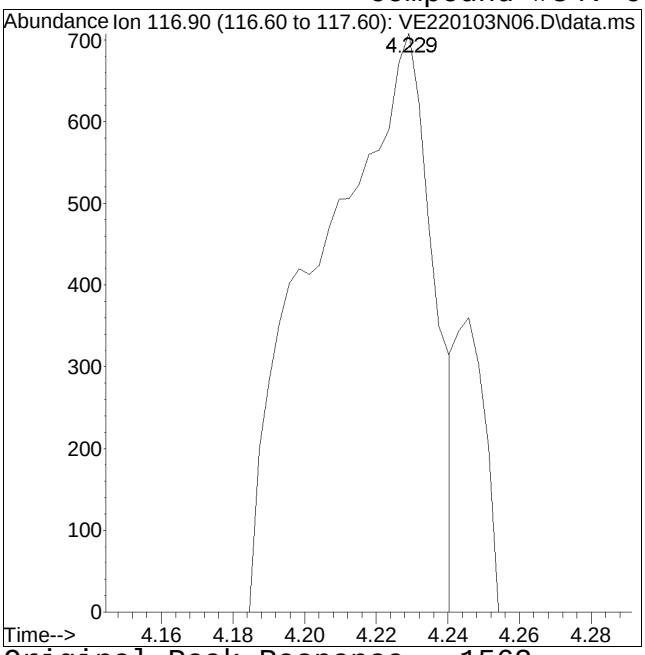
Manual Peak Response = 3135 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

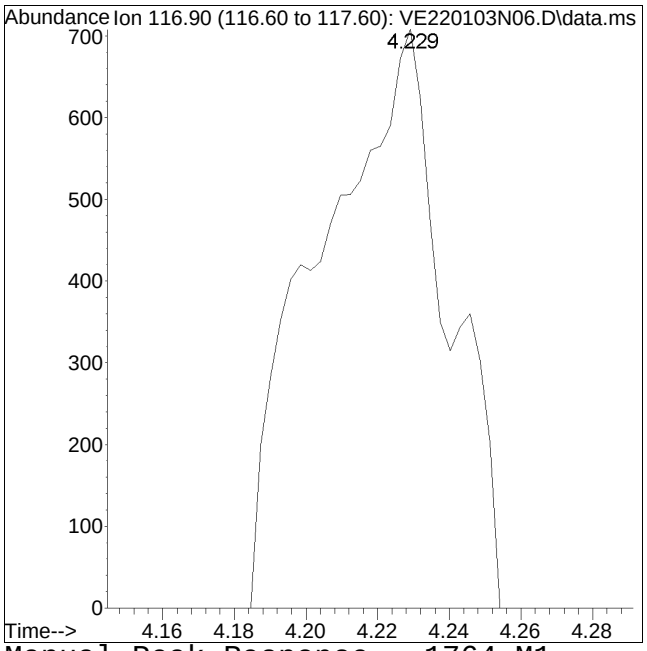
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N06.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:04 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 1/4/2022 8:19 pm

Compound #34: Carbon tetrachloride



Original Peak Response = 1562



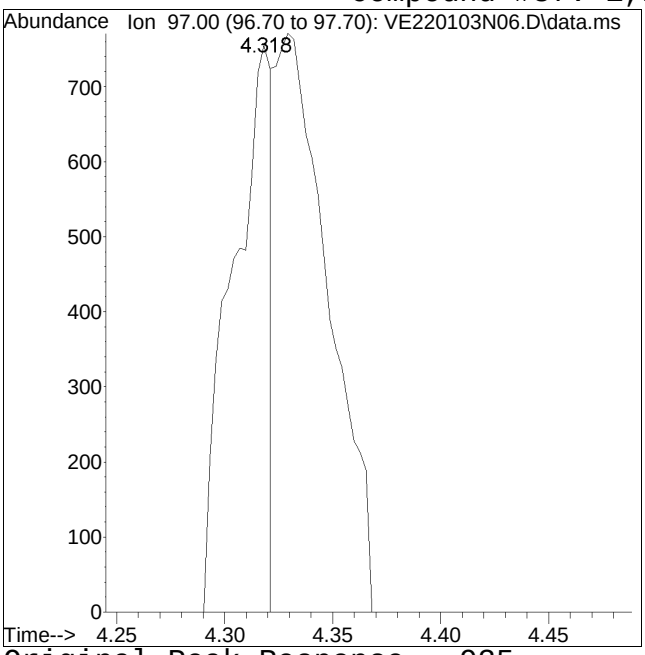
Manual Peak Response = 1764 M1

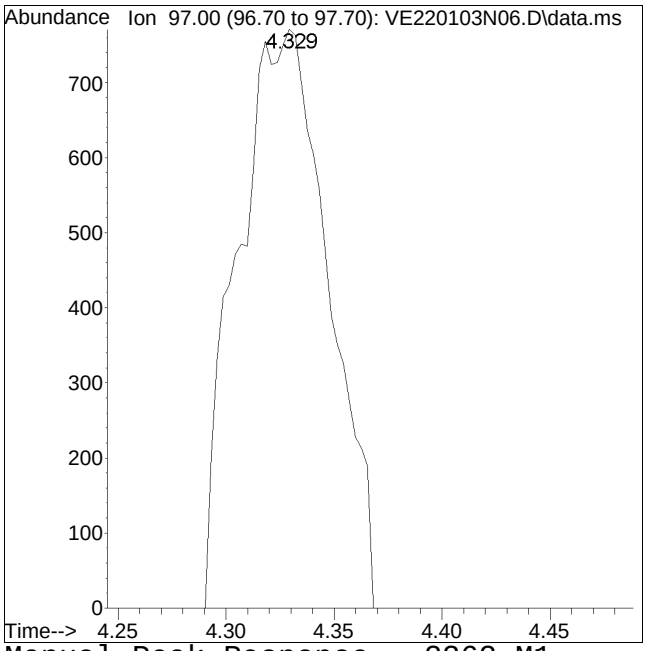
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N06.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:04 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 1/4/2022 8:19 pm

Compound #37: 1,1,1-Trichloroethane



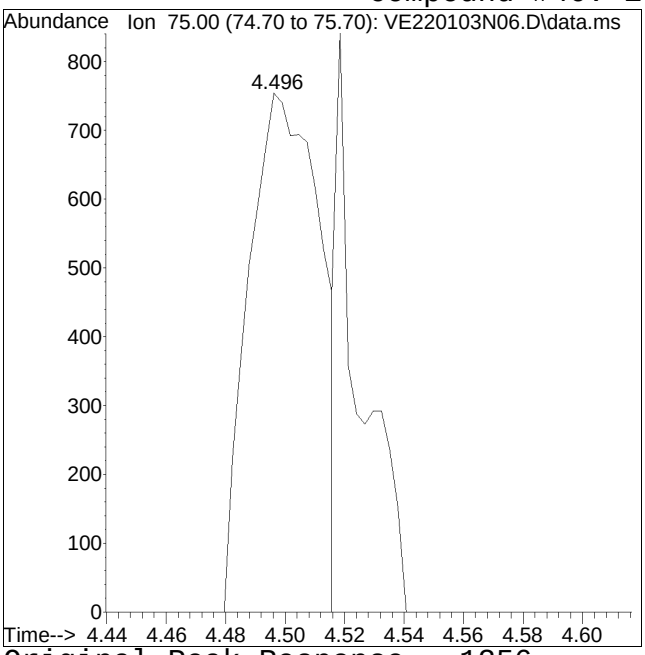


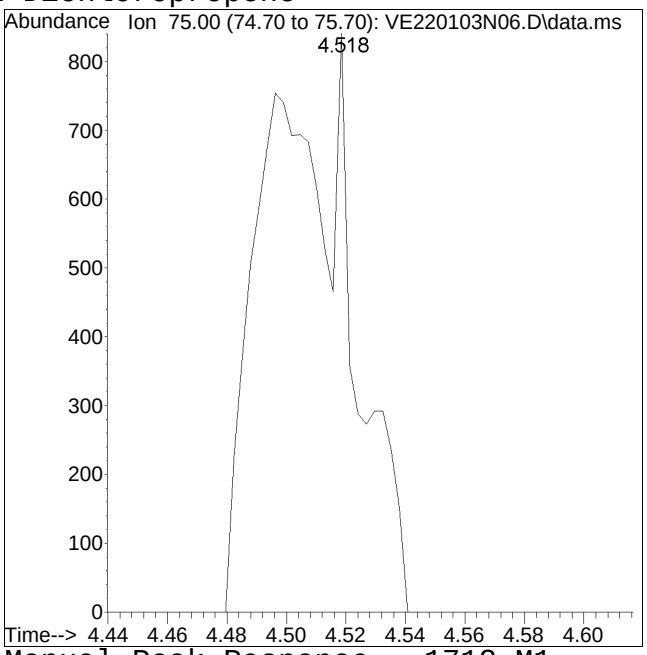
Original Peak Response = 935 Manual Peak Response = 2262 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N06.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:04 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 1/4/2022 8:19 pm

Compound #40: 1,1-Dichloropropene





Original Peak Response = 1256 Manual Peak Response = 1712 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N08.D
Acq On : 3 Jan 2022 10:42 pm
Operator : ELAINE:MKS
Sample : I8260STD2PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 20:22:08 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 20:19:00 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.359	96	187508	10.000 ug/L	0.00
Standard Area 1 = 186998			Recovery = 100.27%		
59) Chlorobenzene-d5	8.417	117	138023	10.000 ug/L	0.00
Standard Area 1 = 138211			Recovery = 99.86%		
79) 1,4-Dichlorobenzene-d4	9.919	152	69800	10.000 ug/L	0.00
Standard Area 1 = 74028			Recovery = 94.29%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.352	113	44573	10.132 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.32%		
43) 1,2-Dichloroethane-d4	5.008	65	45393	9.635 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.35%		
60) Toluene-d8	7.081	98	184481	10.086 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.86%		
83) 4-Bromofluorobenzene	9.246	95	64113	10.784 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.84%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.907	85	9850	2.068 ug/L	96
3) Chloromethane	1.021	50	7469	2.081 ug/L	97
4) Vinyl chloride	1.074	62	8602	2.135 ug/L	97
5) Bromomethane	1.272	94	4313	1.862 ug/L	98
6) Chloroethane	1.352	64	5799	2.130 ug/L	93
7) Trichlorofluoromethane	1.444	101	12941	1.985 ug/L	95
8) Ethyl ether	1.664	74	2607M1	1.787 ug/L	
10) 1,1-Dichloroethene	1.795	96	6021M1	2.045 ug/L	
11) Carbon disulfide	1.798	76	14857	1.992 ug/L	97
12) Freon-113	1.828	101	5478M1	1.865 ug/L	
13) Iodomethane	1.889	142	1996	2.346 ug/L #	81
14) Acrolein	2.056	56	714M1	2.386 ug/L	
15) Methylene chloride	2.262	84	6666	2.041 ug/L	72
17) Acetone	2.315	43	1749	2.199 ug/L #	69
18) trans-1,2-Dichloroethene	2.399	96	6707M1	2.103 ug/L	
19) Methyl acetate	2.440	43	2809	2.378 ug/L	96
20) Methyl tert-butyl ether	2.515	73	12720M1	1.883 ug/L	
21) tert-Butyl alcohol	2.649	59	1065M1	9.907 ug/L	
22) Diisopropyl ether	2.919	45	16861	1.789 ug/L #	82
23) 1,1-Dichloroethane	3.011	63	12415	2.082 ug/L	97
24) Halothane	3.150	117	4882	2.013 ug/L #	68

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N08.D
Acq On : 3 Jan 2022 10:42 pm
Operator : ELAINE:MKS
Sample : I8260STD2PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 20:22:08 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 20:19:00 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.083	53	1474M1	2.187	ug/L		
26) Ethyl tert-butyl ether	3.342	59	15162M1	1.843	ug/L		
27) Vinyl acetate	3.364	43	8993	1.640	ug/L	#	95
28) cis-1,2-Dichloroethene	3.673	96	7174M1	2.026	ug/L		
29) 2,2-Dichloropropane	3.804	77	10159	1.962	ug/L		93
30) Bromochloromethane	3.934	128	2861	1.901	ug/L	#	19
31) Cyclohexane	3.901	56	11180M1	1.933	ug/L		
32) Chloroform	4.104	83	11274M1	1.945	ug/L		
33) Ethyl acetate	4.354	43	3240	2.079	ug/L	#	84
34) Carbon tetrachloride	4.218	117	7907	1.868	ug/L	#	55
35) Tetrahydrofuran	4.296	42	1024	2.226	ug/L	#	74
37) 1,1,1-Trichloroethane	4.324	97	9170M1	1.827	ug/L		
39) 2-Butanone	4.552	43	1693	2.529	ug/L		94
40) 1,1-Dichloropropene	4.502	75	7493	1.754	ug/L		91
41) Benzene	4.822	78	24855	1.895	ug/L		90
42) tert-Amyl methyl ether	5.044	73	13543M1	1.884	ug/L		
44) 1,2-Dichloroethane	5.095	62	6752	1.824	ug/L		73
47) Methyl cyclohexane	5.512	83	9770M1	1.741	ug/L		
48) Trichloroethene	5.554	95	6271M1	1.877	ug/L		
50) Dibromomethane	6.018	93	3056	1.848	ug/L	#	89
51) 1,2-Dichloropropane	6.130	63	5951	1.821	ug/L		97
54) Bromodichloromethane	6.241	83	7895	1.831	ug/L		99
57) 1,4-Dioxane	6.466	88	4410	414.009	ug/L	#	79
58) cis-1,3-Dichloropropene	6.909	75	8502	1.763	ug/L		95
61) Toluene	7.131	92	16094	1.897	ug/L		100
62) 4-Methyl-2-pentanone	7.557	58	1065	1.811	ug/L	#	55
63) Tetrachloroethene	7.496	166	6345	1.844	ug/L		91
65) trans-1,3-Dichloropropene	7.576	75	6753	1.713	ug/L		91
67) Ethyl methacrylate	7.768	69	5109	1.829	ug/L		99
68) 1,1,2-Trichloroethane	7.713	83	3249	1.756	ug/L		89
69) Chlorodibromomethane	7.846	129	4538	1.739	ug/L		99
70) 1,3-Dichloropropane	7.927	76	7140	1.801	ug/L		90
71) 1,2-Dibromoethane	8.005	107	3929	1.831	ug/L		93
72) 2-Hexanone	8.258	43	2643	2.476	ug/L	#	82
73) Chlorobenzene	8.428	112	16157	1.849	ug/L		100
74) Ethylbenzene	8.467	91	29172	1.815	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.489	131	5439	1.775	ug/L		95
76) p/m Xylene	8.578	106	22627	3.648	ug/L		96
77) o Xylene	8.864	106	21767	3.708	ug/L		92
78) Styrene	8.903	104	34638	3.596	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N08.D
Acq On : 3 Jan 2022 10:42 pm
Operator : ELAINE:MKS
Sample : I8260STD2PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 20:22:08 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 20:19:00 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	8.909	173	2442	1.646	ug/L		83
82) Isopropylbenzene	9.076	105	28286	1.959	ug/L		96
84) Bromobenzene	9.301	156	6370	1.873	ug/L		100
85) n-Propylbenzene	9.337	91	32662	1.953	ug/L		96
86) 1,4-Dichlorobutane	9.346	55	7500	2.123	ug/L		98
87) 1,1,2,2-Tetrachloroethane	9.396	83	4175	1.870	ug/L		98
88) 4-Ethyltoluene	9.407	105	27145	1.941	ug/L		95
89) 2-Chlorotoluene	9.421	91	22258	1.931	ug/L		91
90) 1,3,5-Trimethylbenzene	9.463	105	22617	1.900	ug/L	#	86
91) 1,2,3-Trichloropropane	9.465	75	3785	2.050	ug/L		93
92) trans-1,4-Dichloro-2-b...	9.499	53	1397	2.102	ug/L	#	84
93) 4-Chlorotoluene	9.524	91	20759	2.016	ug/L		96
94) tert-Butylbenzene	9.649	119	19628	1.942	ug/L		97
97) 1,2,4-Trimethylbenzene	9.694	105	21629	1.832	ug/L		95
98) sec-Butylbenzene	9.755	105	28472	1.912	ug/L		99
99) p-Isopropyltoluene	9.844	119	23602	1.876	ug/L		95
100) 1,3-Dichlorobenzene	9.874	146	12512	1.890	ug/L		97
101) 1,4-Dichlorobenzene	9.927	146	12498	1.877	ug/L		91
102) p-Diethylbenzene	10.053	119	13501	1.817	ug/L		93
103) n-Butylbenzene	10.086	91	20105	1.861	ug/L		98
104) 1,2-Dichlorobenzene	10.167	146	11917	1.949	ug/L		93
105) 1,2,4,5-Tetramethylben...	10.509	119	19376	1.712	ug/L		97
106) 1,2-Dibromo-3-chloropr...	10.626	155	545	1.932	ug/L	#	75
107) 1,3,5-Trichlorobenzene	10.640	180	7963	1.757	ug/L		91
108) Hexachlorobutadiene	10.985	225	2865	1.814	ug/L		93
109) 1,2,4-Trichlorobenzene	10.998	180	6341	1.663	ug/L		97
110) Naphthalene	11.177	128	13485	1.818	ug/L		100
111) 1,2,3-Trichlorobenzene	11.279	180	5457	1.681	ug/L		99

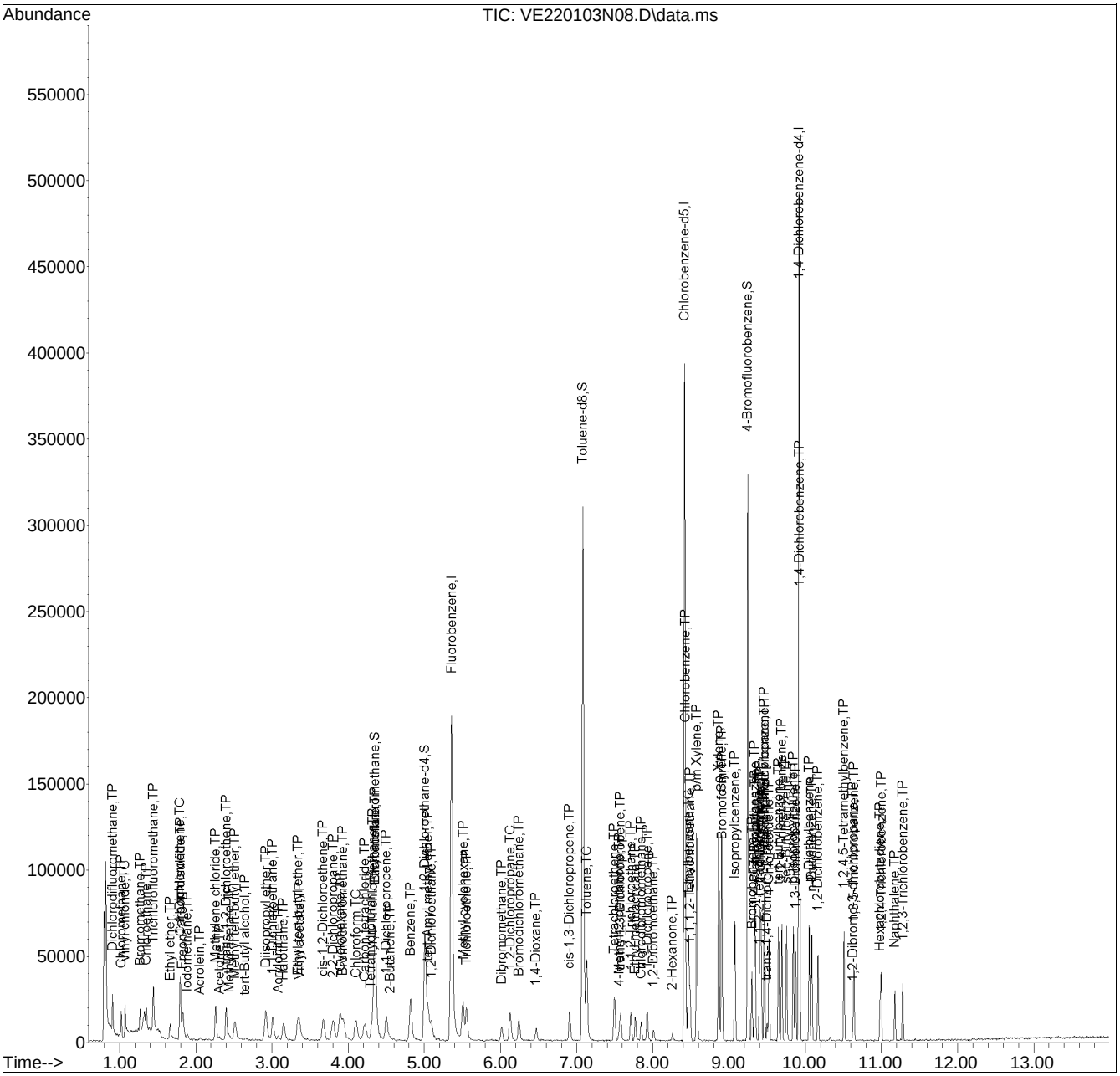
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N08.D
Acq On : 3 Jan 2022 10:42 pm
Operator : ELAINE:MKS
Sample : I8260STD2PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 20:22:08 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 20:19:00 2022
Response via : Initial Calibration

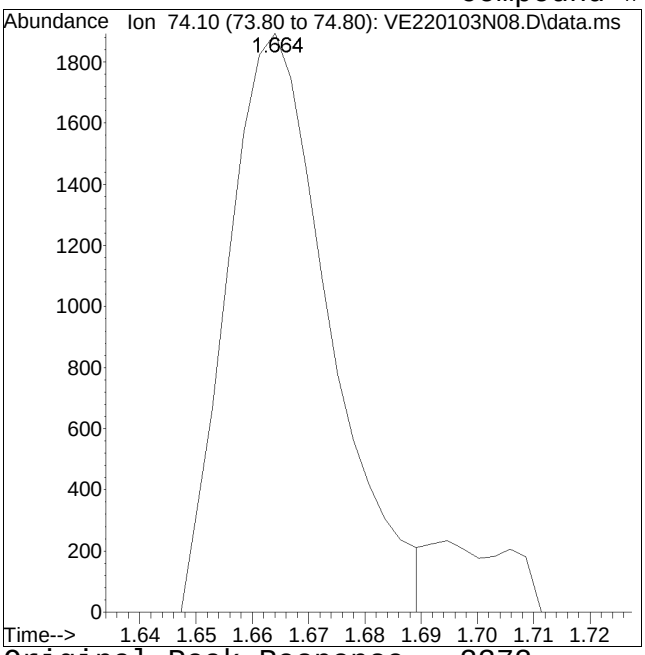
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEAL\VE220103N09.D•



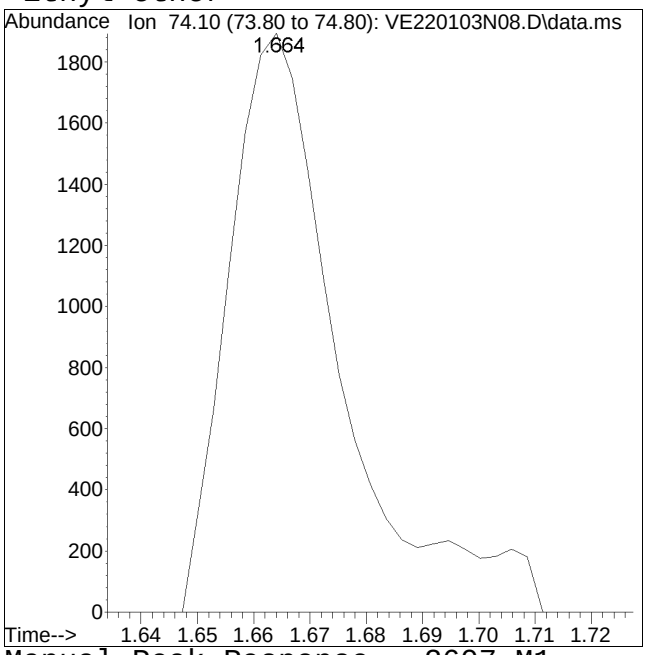
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #8: Ethyl ether



Original Peak Response = 2372



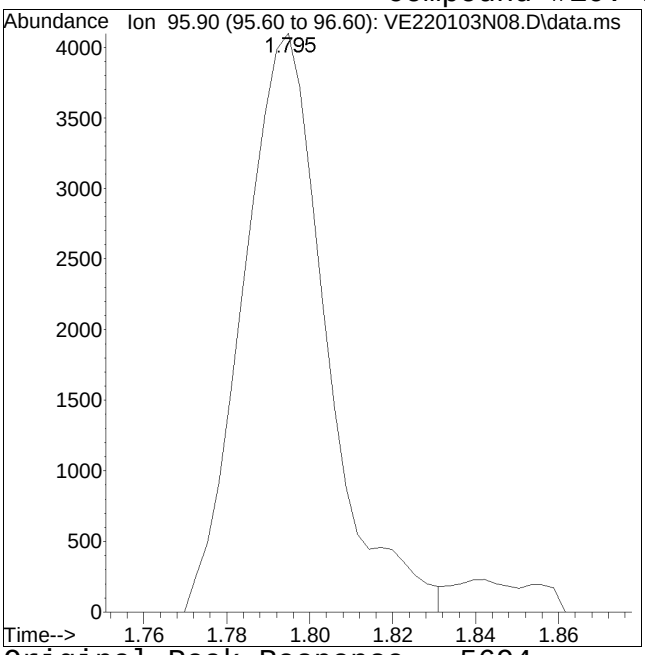
Manual Peak Response = 2607 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

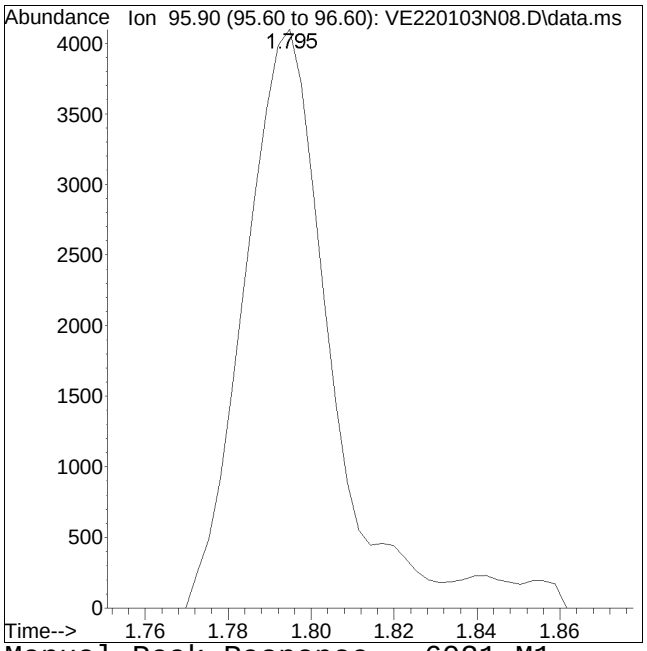
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #10: 1,1-Dichloroethene



Original Peak Response = 5694



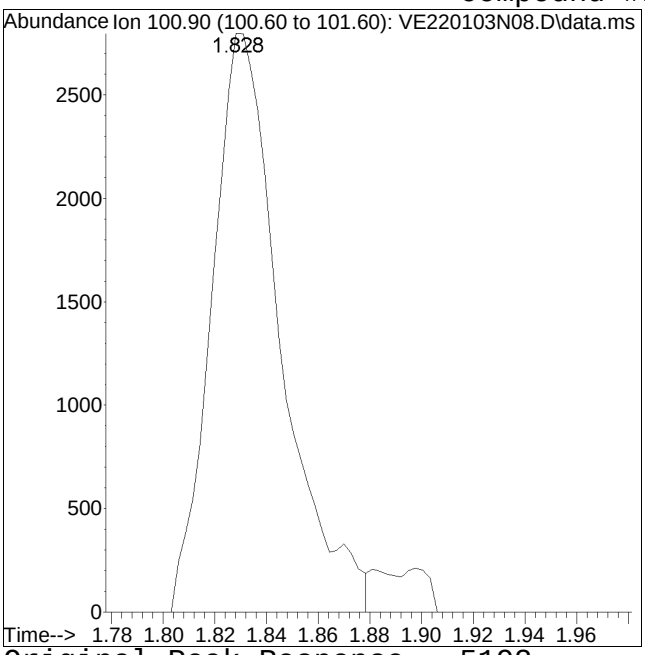
Manual Peak Response = 6021 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

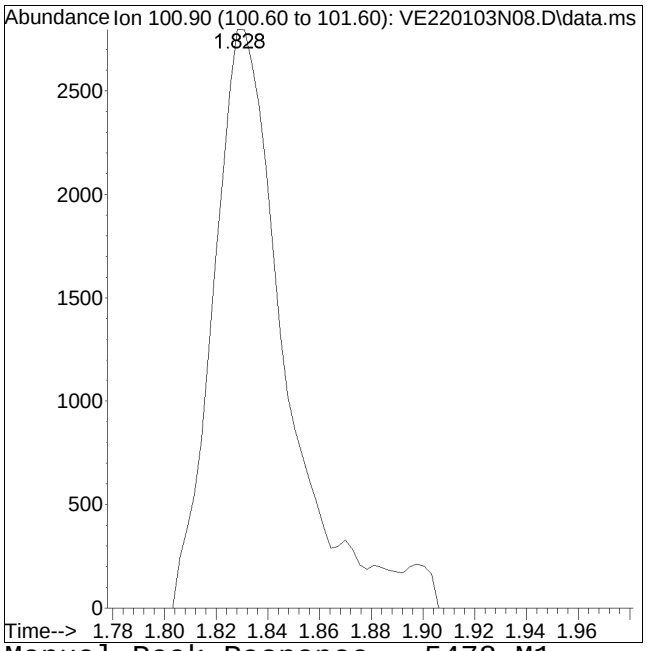
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #12: Freon-113



Original Peak Response = 5192



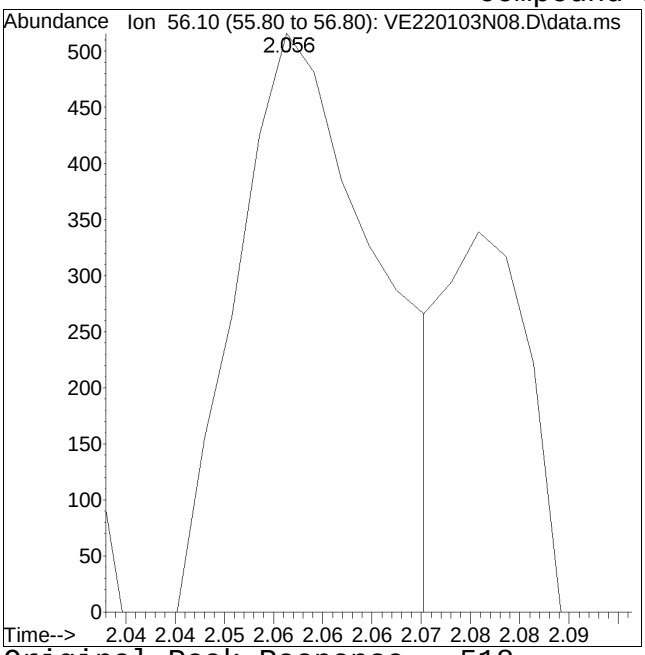
Manual Peak Response = 5478 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

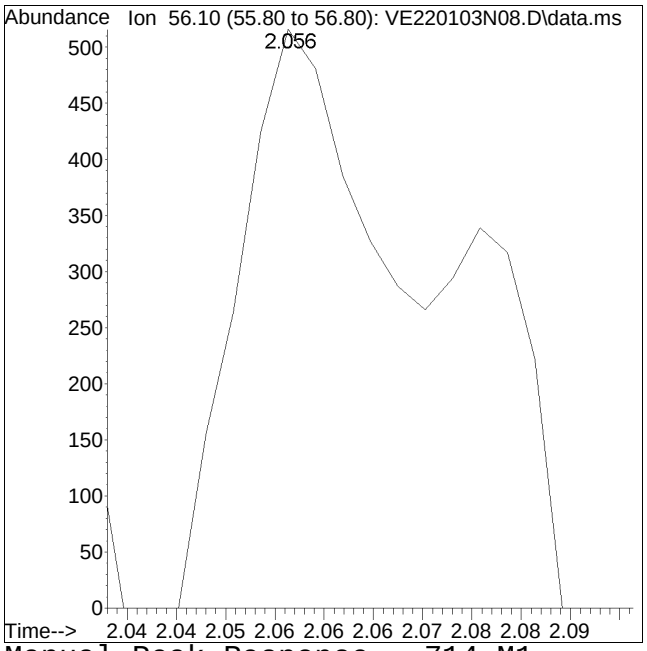
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #14: Acrolein



Original Peak Response = 518



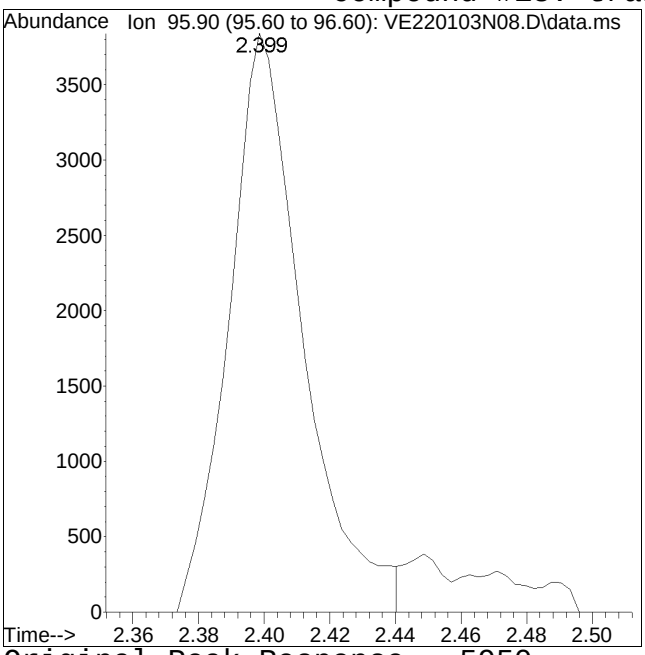
Manual Peak Response = 714 M1

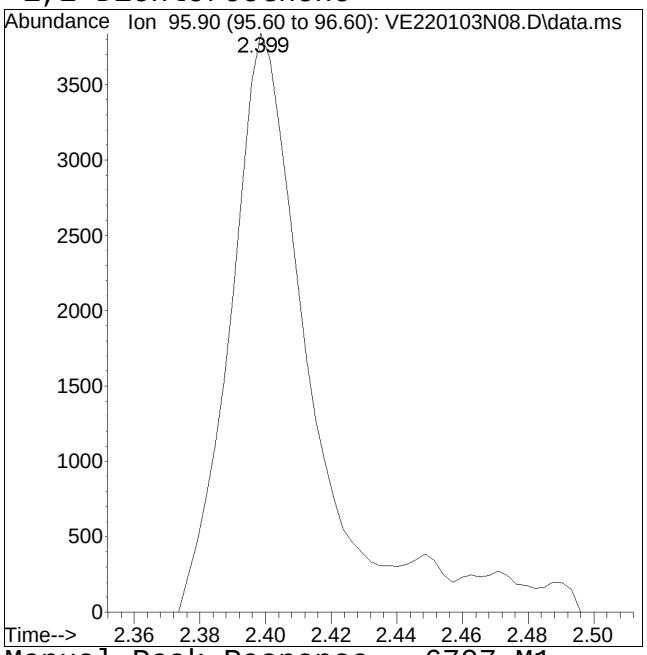
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #18: trans-1,2-Dichloroethene



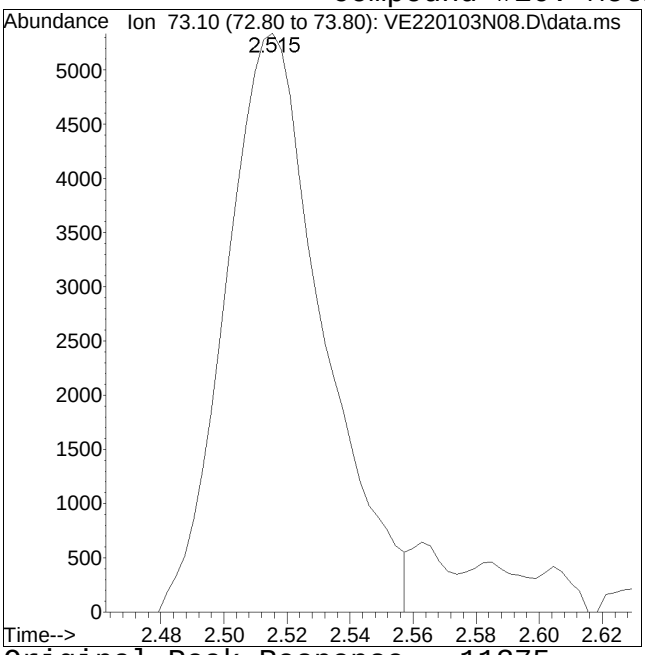


Original Peak Response = 5950 Manual Peak Response = 6707 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

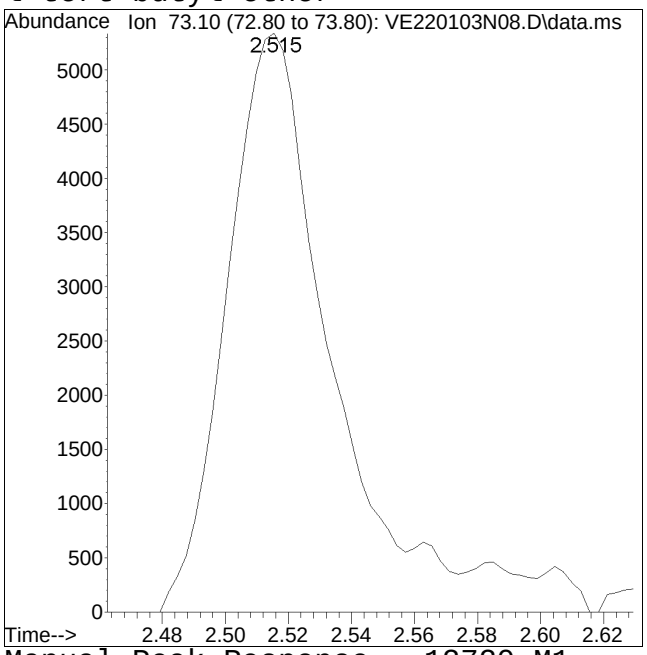
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #20: Methyl tert-butyl ether



Original Peak Response = 11375



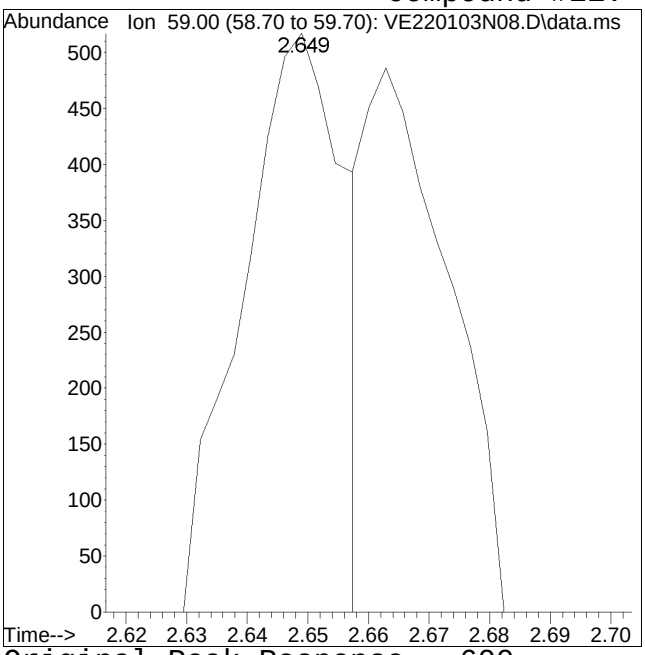
Manual Peak Response = 12720 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

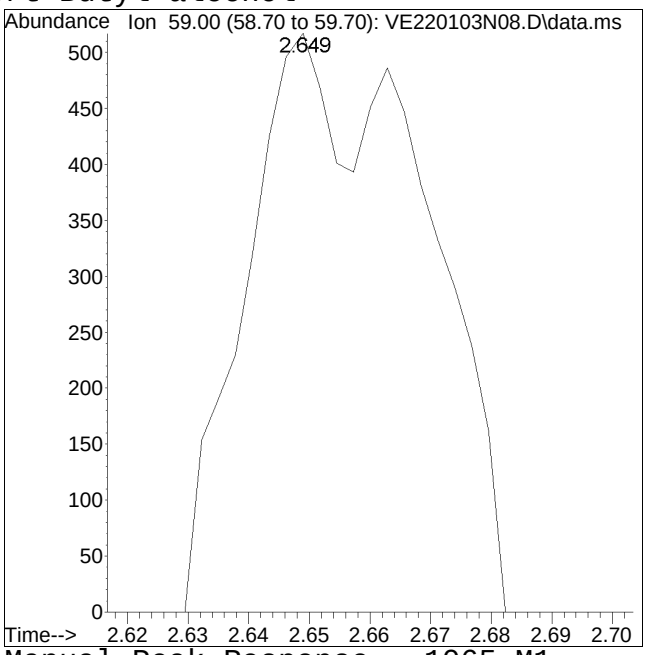
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 600



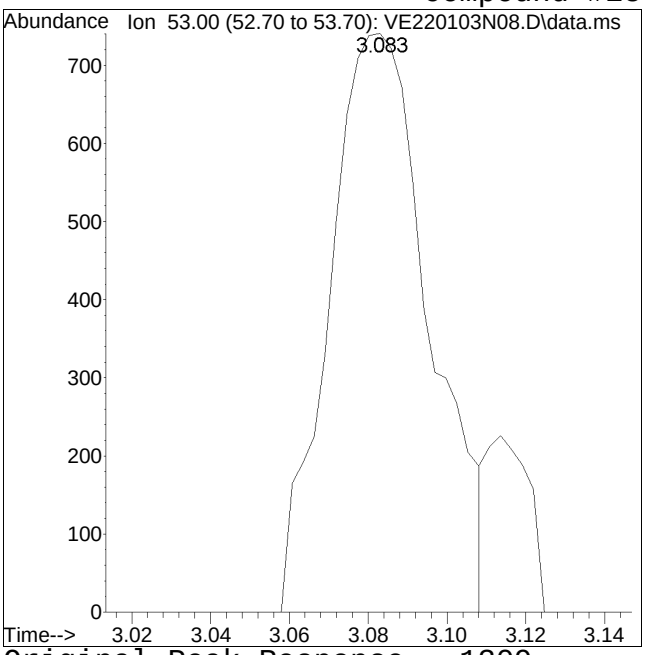
Manual Peak Response = 1065 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

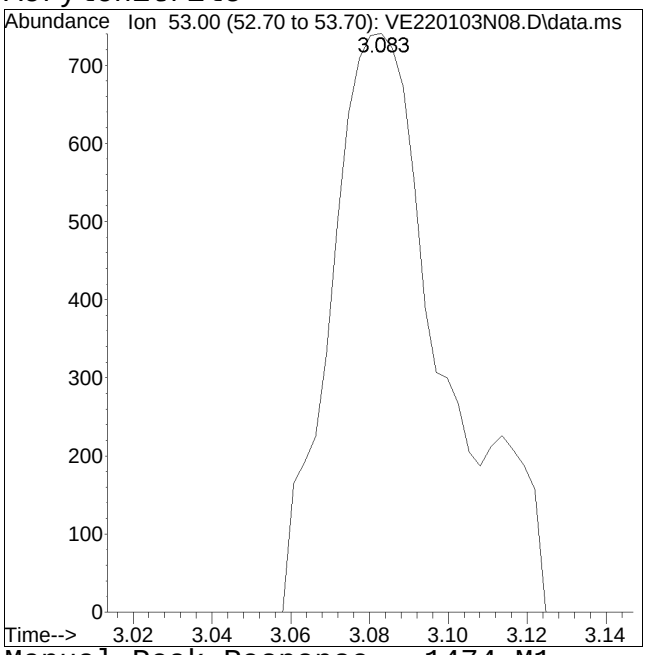
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #25: Acrylonitrile



Original Peak Response = 1309



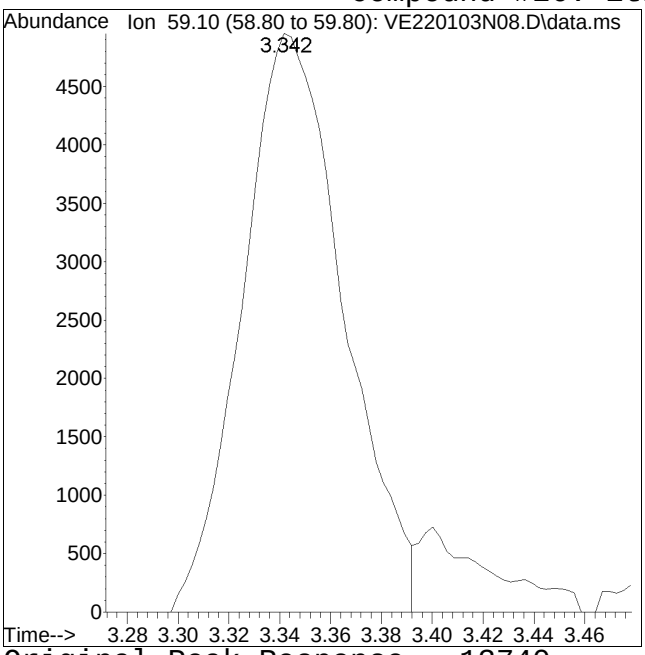
Manual Peak Response = 1474 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

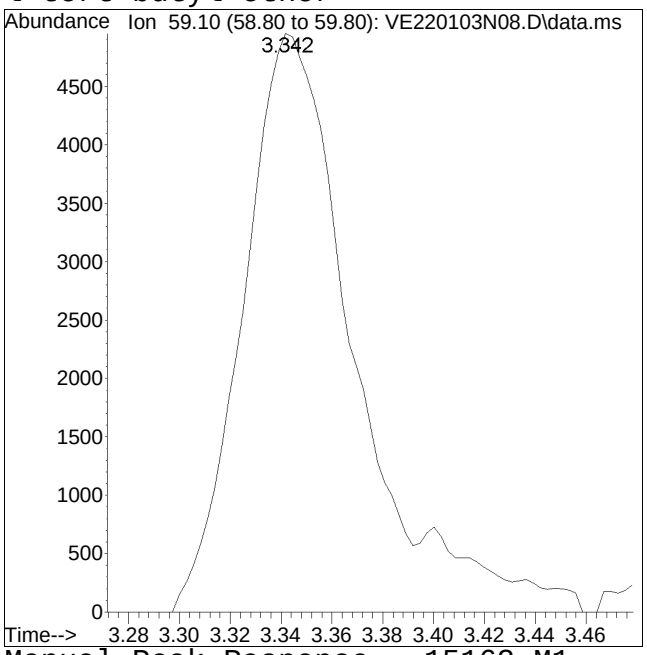
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 13740



Manual Peak Response = 15162 M1

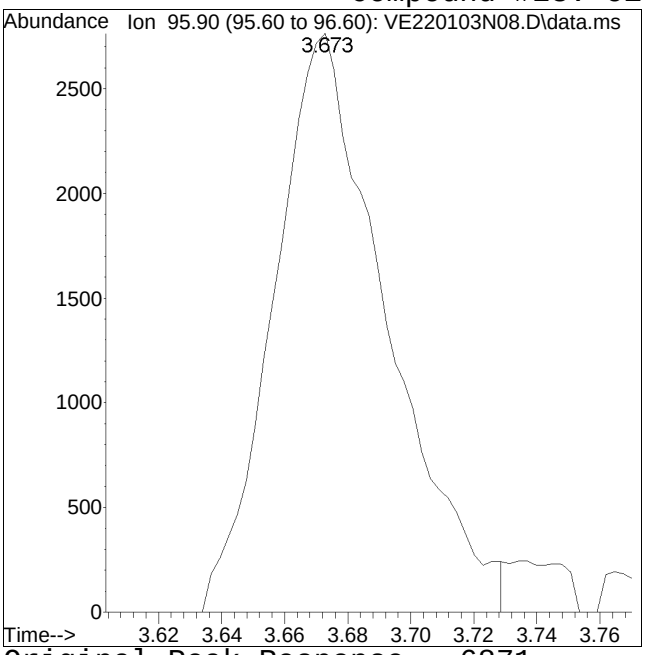
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

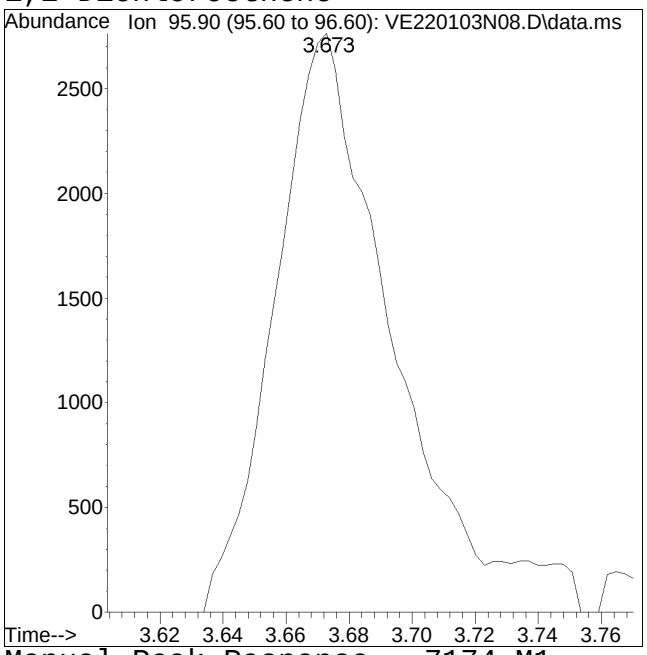
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N08.D
Date Inj'd : 1/3/2022 10:42 pm
Sample : I8260STD2PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 8:22 pm

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 6871



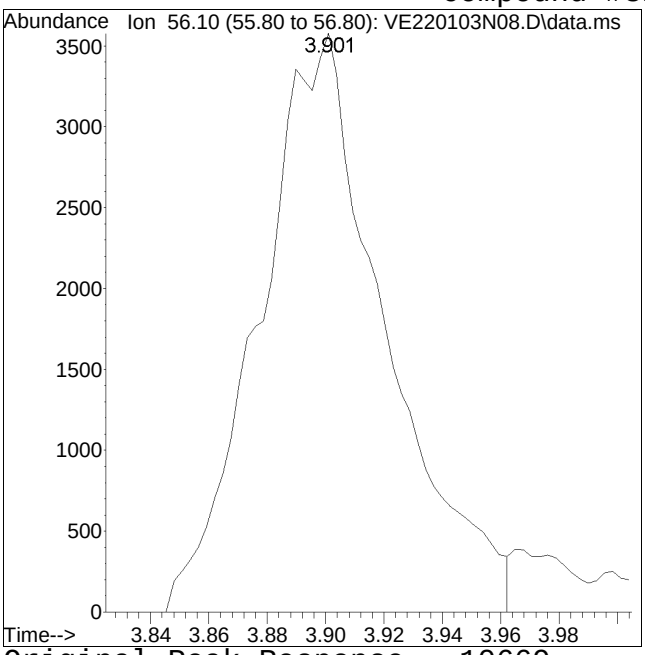
Manual Peak Response = 7174 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

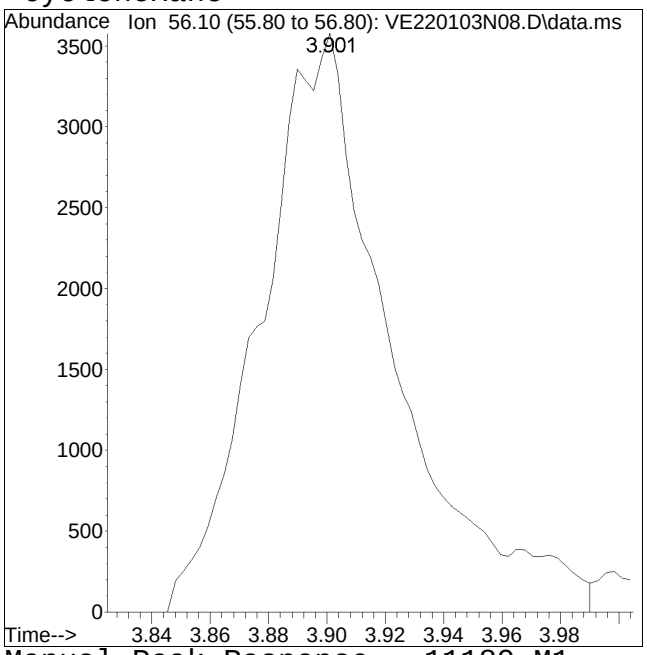
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #31: Cyclohexane



Original Peak Response = 10669



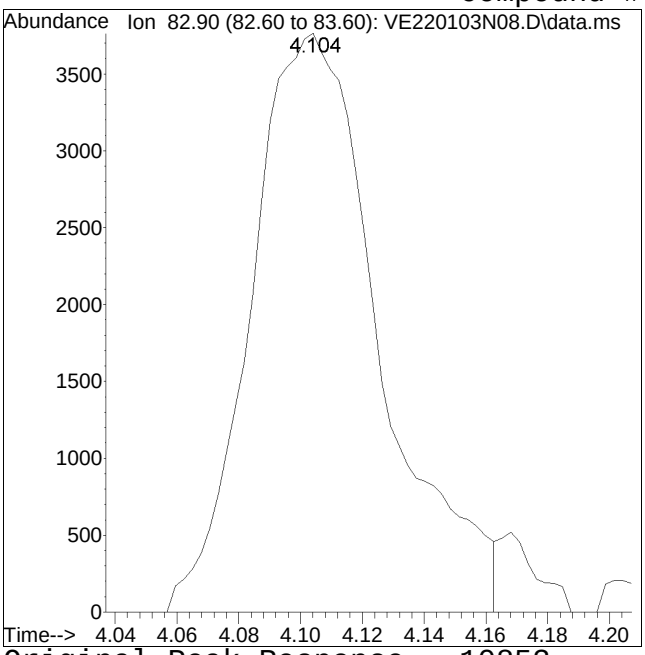
Manual Peak Response = 11180 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

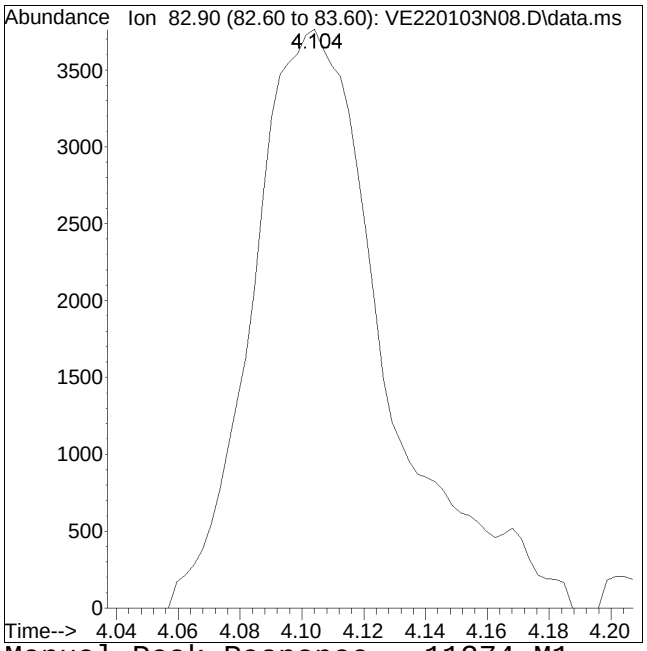
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #32: Chloroform



Original Peak Response = 10853



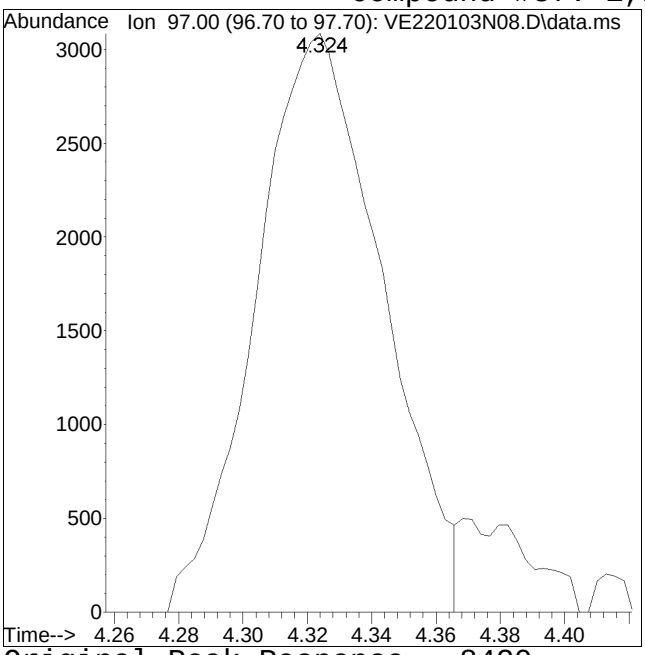
Manual Peak Response = 11274 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

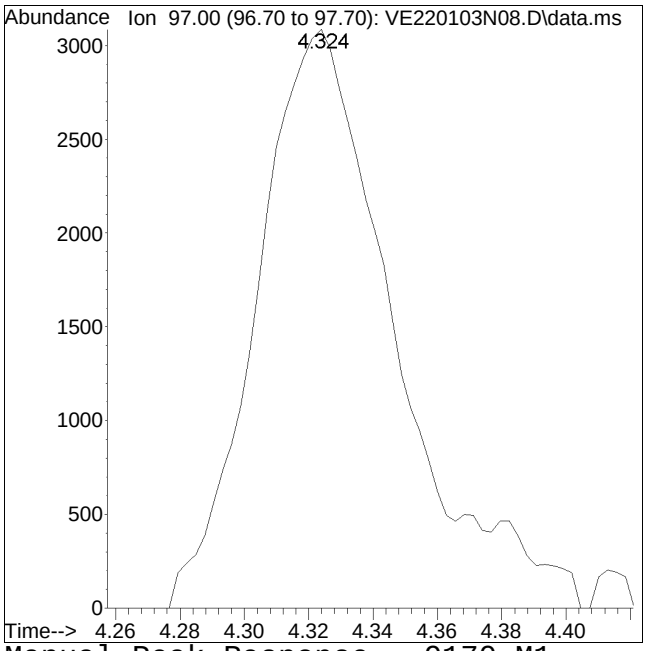
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 8420



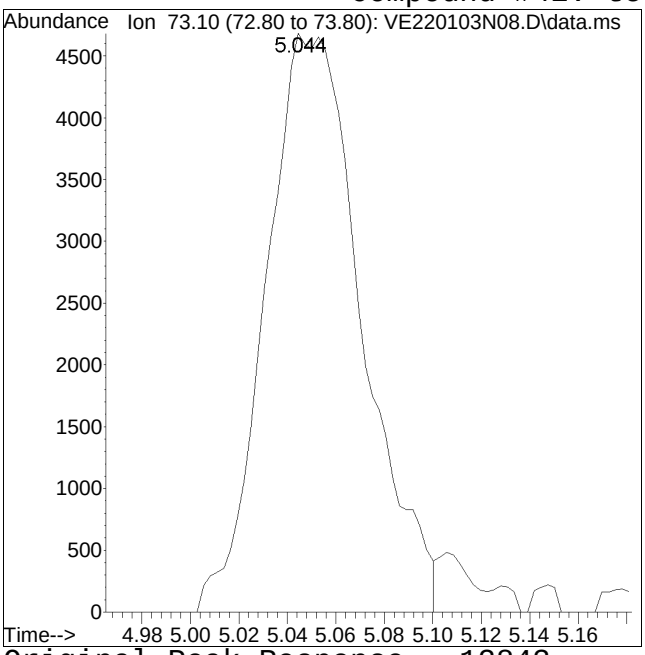
Manual Peak Response = 9170 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

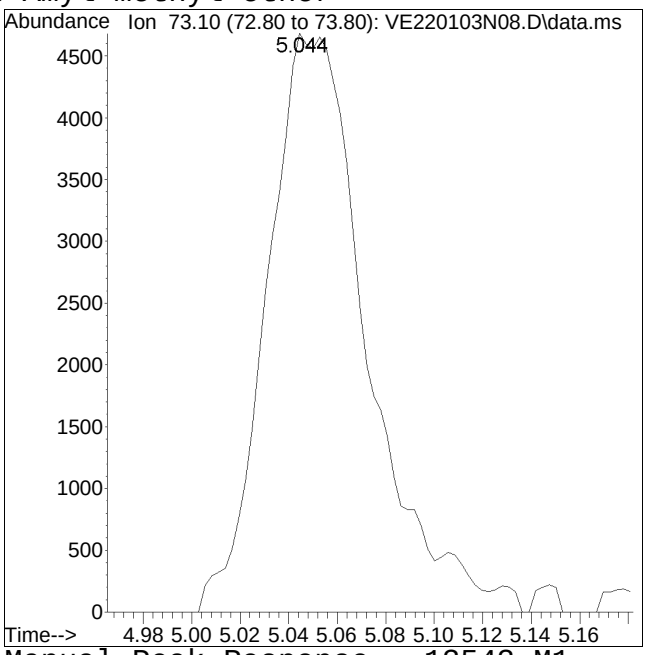
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #42: tert-Amyl methyl ether



Original Peak Response = 12843



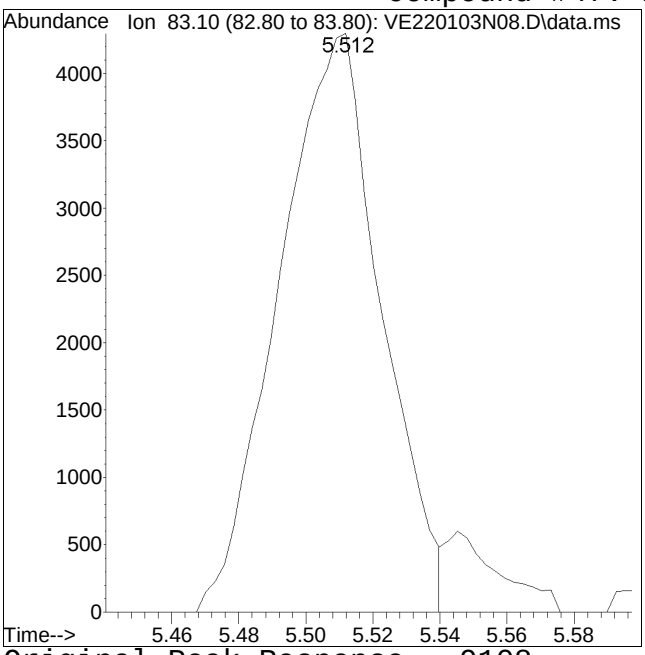
Manual Peak Response = 13543 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

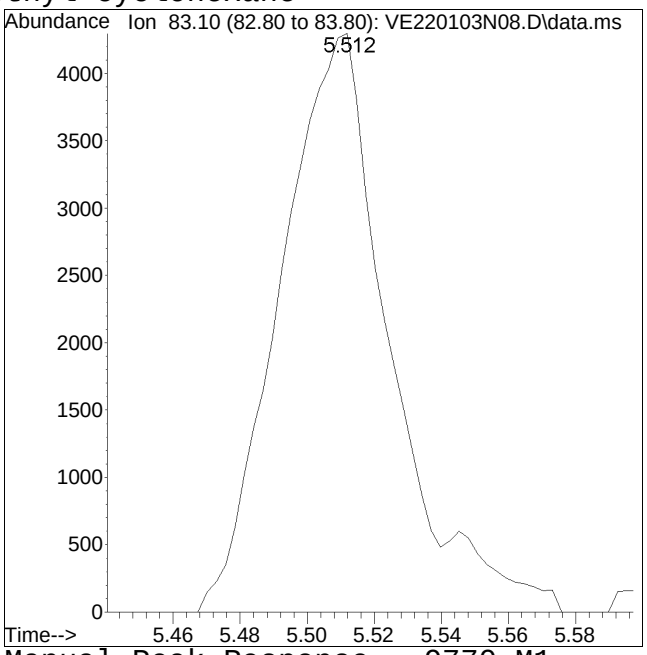
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #47: Methyl cyclohexane



Original Peak Response = 9108



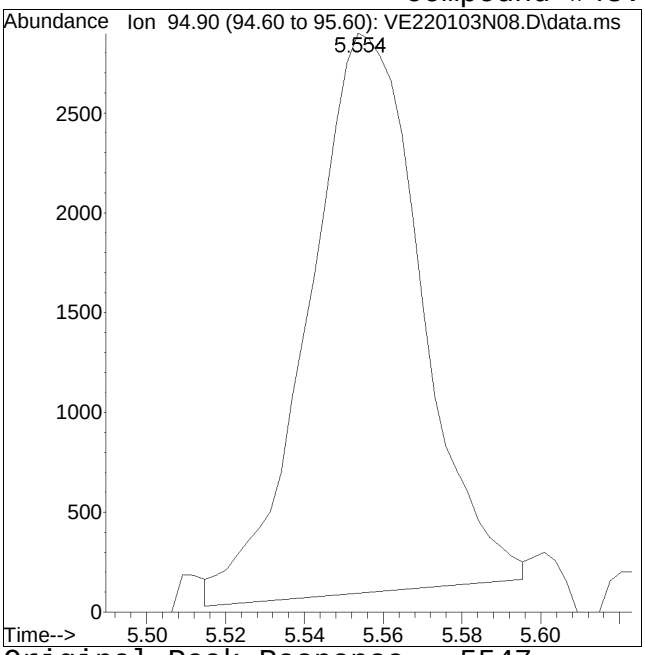
Manual Peak Response = 9770 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

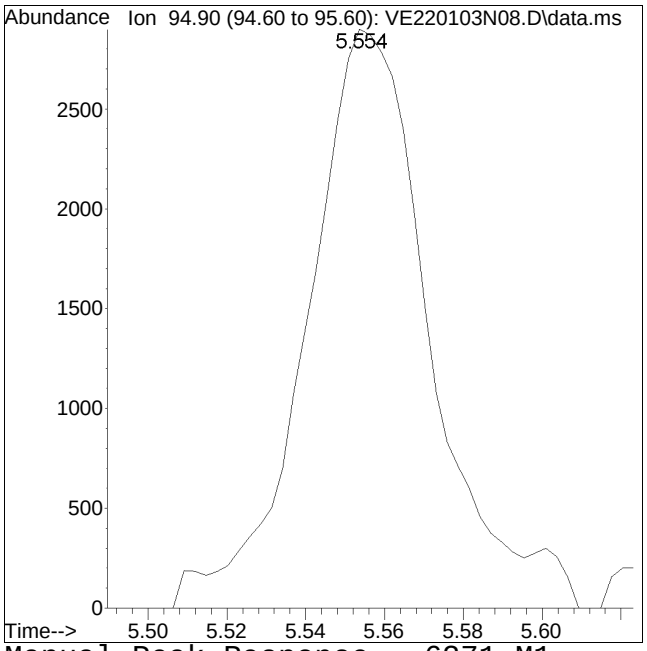
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N08.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 10:42 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 1/4/2022 8:22 pm

Compound #48: Trichloroethene



Original Peak Response = 5547



Manual Peak Response = 6271 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N09.D
Acq On : 3 Jan 2022 11:01 pm
Operator : ELAINE:MKS
Sample : I8260STD10PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 14:54:34 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:29 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.359	96	186998	10.000	ug/L	0.00
Standard Area 1 = 186998			Recovery = 100.00%			
59) Chlorobenzene-d5	8.417	117	138211	10.000	ug/L	0.00
Standard Area 1 = 138211			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	9.919	152	74028	10.000	ug/L	0.00
Standard Area 1 = 74028			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.352	113	45799	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
43) 1,2-Dichloroethane-d4	5.011	65	47739	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
60) Toluene-d8	7.081	98	189918	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
83) 4-Bromofluorobenzene	9.246	95	63139	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.907	85	54907	10.000	ug/L	99
3) Chloromethane	1.021	50	40853	10.000	ug/L	99
4) Vinyl chloride	1.074	62	47119	10.000	ug/L	93
5) Bromomethane	1.272	94	24114	10.000	ug/L	98
6) Chloroethane	1.352	64	31499	10.000	ug/L	94
7) Trichlorofluoromethane	1.444	101	73312	10.000	ug/L	97
8) Ethyl ether	1.661	74	17146M1	10.000	ug/L	
10) 1,1-Dichloroethene	1.792	96	33532M1	10.000	ug/L	
11) Carbon disulfide	1.800	76	85698	10.000	ug/L	99
12) Freon-113	1.831	101	35127M1	10.000	ug/L	
13) Iodomethane	1.889	142	20937	10.000	ug/L	81
14) Acrolein	2.062	56	2930M3	10.000	ug/L	
15) Methylene chloride	2.262	84	36911	10.000	ug/L	70
17) Acetone	2.312	43	4402	10.000	ug/L	96
18) trans-1,2-Dichloroethene	2.399	96	34597M1	10.000	ug/L	
19) Methyl acetate	2.438	43	12905M1	10.000	ug/L	
20) Methyl tert-butyl ether	2.515	73	75075M1	10.000	ug/L	
21) tert-Butyl alcohol	2.649	59	5625	50.000	ug/L #	70
22) Diisopropyl ether	2.916	45	101589	10.000	ug/L #	91
23) 1,1-Dichloroethane	3.011	63	65653	10.000	ug/L	98
24) Halothane	3.153	117	25729	10.000	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N09.D
Acq On : 3 Jan 2022 11:01 pm
Operator : ELAINE:MKS
Sample : I8260STD10PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 14:54:34 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:29 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.083	53	7286M1	10.000	ug/L		
26) Ethyl tert-butyl ether	3.345	59	85862	10.000	ug/L		92
27) Vinyl acetate	3.361	43	55023	10.000	ug/L	#	95
28) cis-1,2-Dichloroethene	3.673	96	41346M1	10.000	ug/L		
29) 2,2-Dichloropropane	3.798	77	58743M1	10.000	ug/L		
30) Bromochloromethane	3.943	128	15851M1	10.000	ug/L		
31) Cyclohexane	3.898	56	67283M1	10.000	ug/L		
32) Chloroform	4.104	83	61681	10.000	ug/L		97
33) Ethyl acetate	4.349	43	16514M1	10.000	ug/L		
34) Carbon tetrachloride	4.218	117	45011	10.000	ug/L		97
35) Tetrahydrofuran	4.293	42	5281	10.000	ug/L	#	88
37) 1,1,1-Trichloroethane	4.321	97	53853	10.000	ug/L	#	95
39) 2-Butanone	4.541	43	6286M1	10.000	ug/L		
40) 1,1-Dichloropropene	4.502	75	49016	10.000	ug/L		96
41) Benzene	4.819	78	141152	10.000	ug/L		90
42) tert-Amyl methyl ether	5.047	73	73418	10.000	ug/L		88
44) 1,2-Dichloroethane	5.089	62	38252	10.000	ug/L		95
47) Methyl cyclohexane	5.506	83	61032	10.000	ug/L	#	67
48) Trichloroethene	5.554	95	35968M1	10.000	ug/L		
50) Dibromomethane	6.013	93	17916M1	10.000	ug/L		
51) 1,2-Dichloropropane	6.127	63	37094	10.000	ug/L	#	89
54) Bromodichloromethane	6.244	83	46371	10.000	ug/L		97
57) 1,4-Dioxane	6.469	88	6436	500.000	ug/L	#	79
58) cis-1,3-Dichloropropene	6.906	75	52176	10.000	ug/L		96
61) Toluene	7.131	92	90084	10.000	ug/L		99
62) 4-Methyl-2-pentanone	7.560	58	6323	10.000	ug/L	#	77
63) Tetrachloroethene	7.496	166	36930	10.000	ug/L		90
65) trans-1,3-Dichloropropene	7.576	75	42312	10.000	ug/L		98
67) Ethyl methacrylate	7.768	69	30513	10.000	ug/L		97
68) 1,1,2-Trichloroethane	7.710	83	19775	10.000	ug/L		95
69) Chlorodibromomethane	7.846	129	27558	10.000	ug/L		96
70) 1,3-Dichloropropane	7.927	76	43581	10.000	ug/L		100
71) 1,2-Dibromoethane	8.008	107	22913	10.000	ug/L		99
72) 2-Hexanone	8.255	43	11618	10.000	ug/L		98
73) Chlorobenzene	8.428	112	94851	10.000	ug/L		93
74) Ethylbenzene	8.467	91	174556	10.000	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.489	131	31516	10.000	ug/L		93
76) p/m Xylene	8.578	106	133618	20.000	ug/L		94
77) o Xylene	8.864	106	127686	20.000	ug/L		91
78) Styrene	8.903	104	209409	20.000	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N09.D
Acq On : 3 Jan 2022 11:01 pm
Operator : ELAINE:MKS
Sample : I8260STD10PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 14:54:34 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:29 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	8.909	173	14613	10.000	ug/L		98
82) Isopropylbenzene	9.076	105	171595	10.000	ug/L		97
84) Bromobenzene	9.301	156	38539	10.000	ug/L		99
85) n-Propylbenzene	9.337	91	204155	10.000	ug/L		97
86) 1,4-Dichlorobutane	9.346	55	41333	10.000	ug/L		93
87) 1,1,2,2-Tetrachloroethane	9.399	83	26127	10.000	ug/L		98
88) 4-Ethyltoluene	9.407	105	165127	10.000	ug/L		95
89) 2-Chlorotoluene	9.421	91	135756	10.000	ug/L		96
90) 1,3,5-Trimethylbenzene	9.463	105	142076	10.000	ug/L		91
91) 1,2,3-Trichloropropane	9.465	75	20667	10.000	ug/L		99
92) trans-1,4-Dichloro-2-b...	9.499	53	7667	10.000	ug/L	#	78
93) 4-Chlorotoluene	9.524	91	120890	10.000	ug/L		94
94) tert-Butylbenzene	9.649	119	118507	10.000	ug/L		97
97) 1,2,4-Trimethylbenzene	9.694	105	138244	10.000	ug/L		92
98) sec-Butylbenzene	9.755	105	182657	10.000	ug/L		99
99) p-Isopropyltoluene	9.844	119	150319	10.000	ug/L		95
100) 1,3-Dichlorobenzene	9.874	146	75301	10.000	ug/L		98
101) 1,4-Dichlorobenzene	9.927	146	75084	10.000	ug/L		97
102) p-Diethylbenzene	10.053	119	87243	10.000	ug/L		96
103) n-Butylbenzene	10.086	91	134247	10.000	ug/L		99
104) 1,2-Dichlorobenzene	10.167	146	69316	10.000	ug/L		97
105) 1,2,4,5-Tetramethylben...	10.509	119	132153	10.000	ug/L		98
106) 1,2-Dibromo-3-chloropr...	10.626	155	3174	10.000	ug/L		88
107) 1,3,5-Trichlorobenzene	10.640	180	51409	10.000	ug/L		93
108) Hexachlorobutadiene	10.985	225	18206	10.000	ug/L		97
109) 1,2,4-Trichlorobenzene	10.998	180	41424	10.000	ug/L		97
110) Naphthalene	11.179	128	79368	10.000	ug/L		100
111) 1,2,3-Trichlorobenzene	11.279	180	35226	10.000	ug/L		96

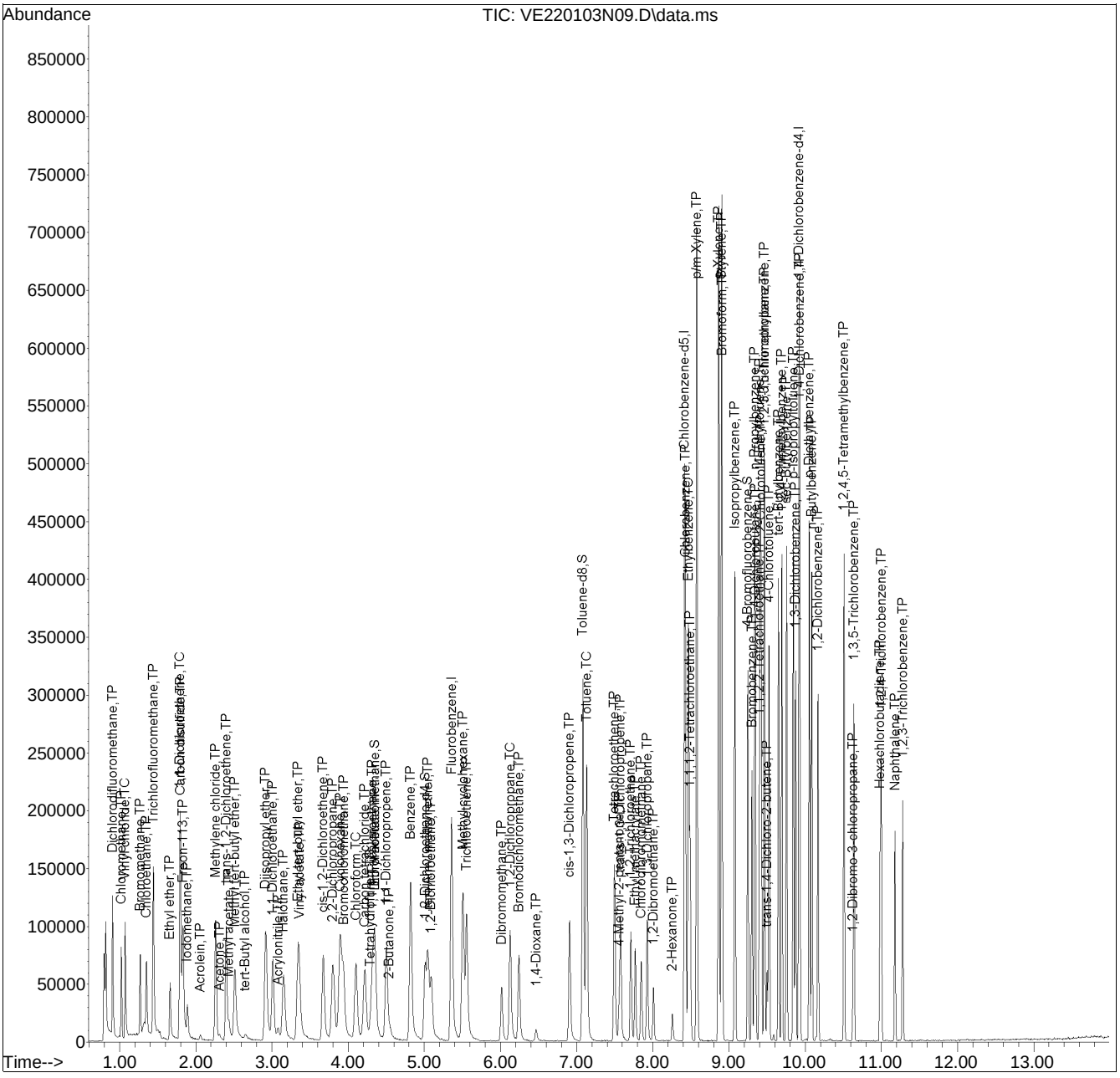
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N09.D
Acq On : 3 Jan 2022 11:01 pm
Operator : ELAINE:MKS
Sample : I8260STD10PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 14:54:34 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:29 2022
Response via : Initial Calibration

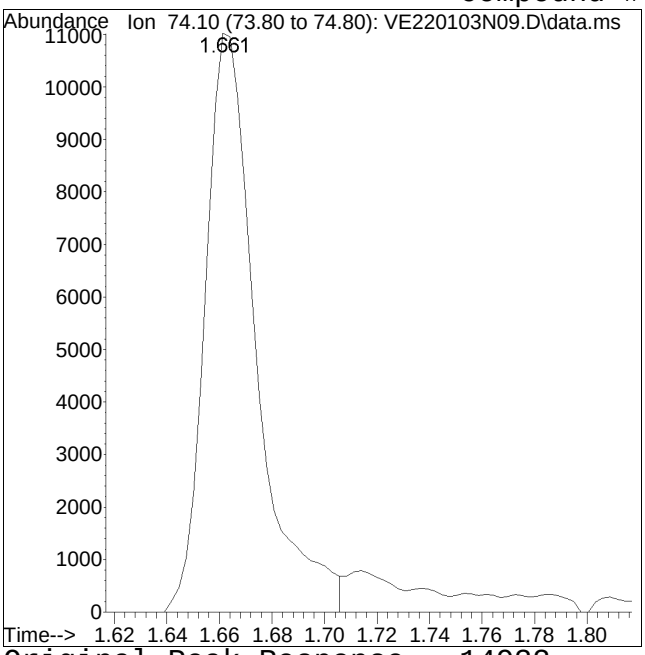
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEAL\VE220103N09.D•



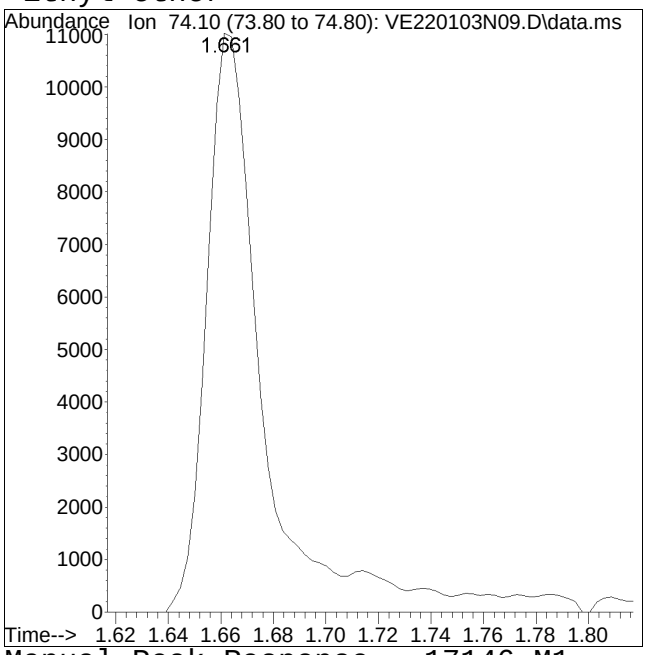
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #8: Ethyl ether



Original Peak Response = 14932



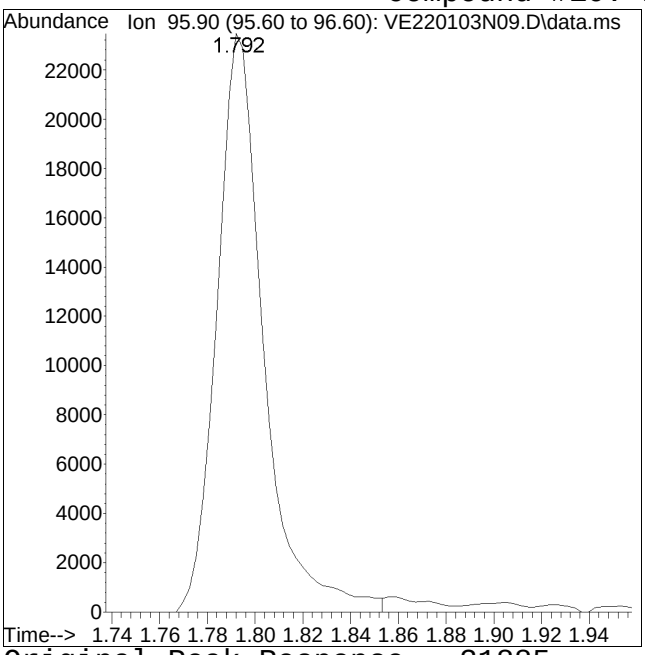
Manual Peak Response = 17146 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

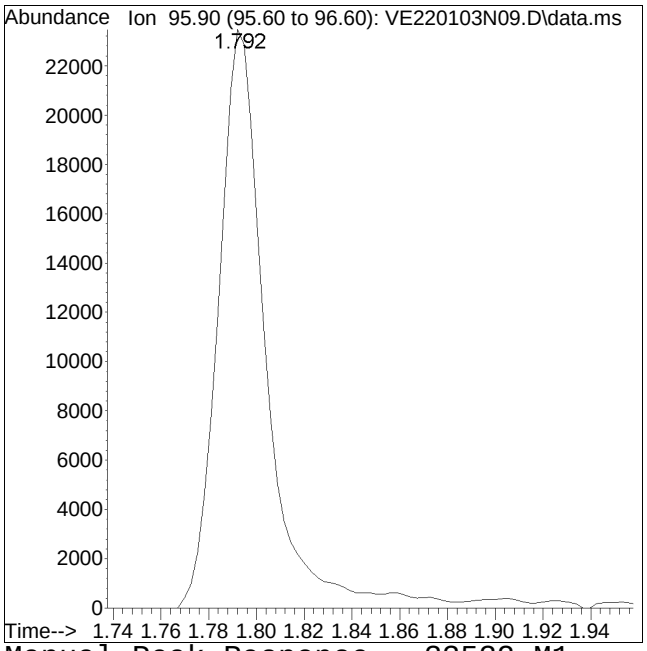
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #10: 1,1-Dichloroethene



Original Peak Response = 31885



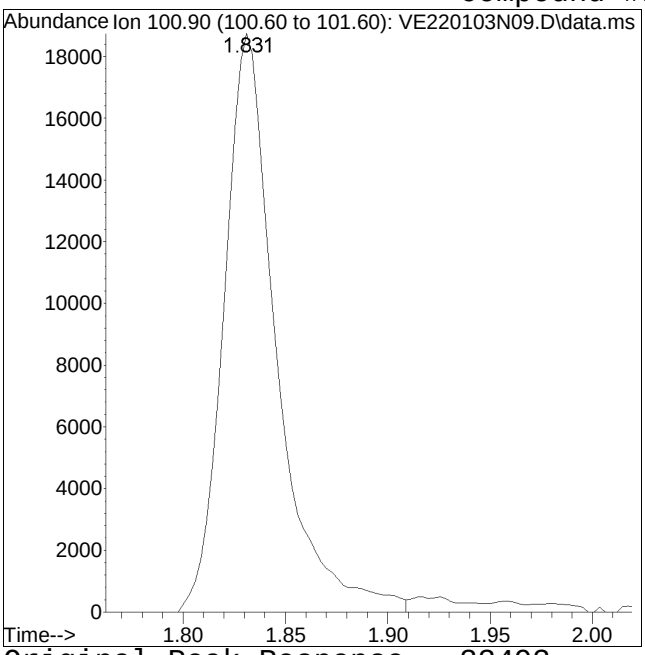
Manual Peak Response = 33532 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

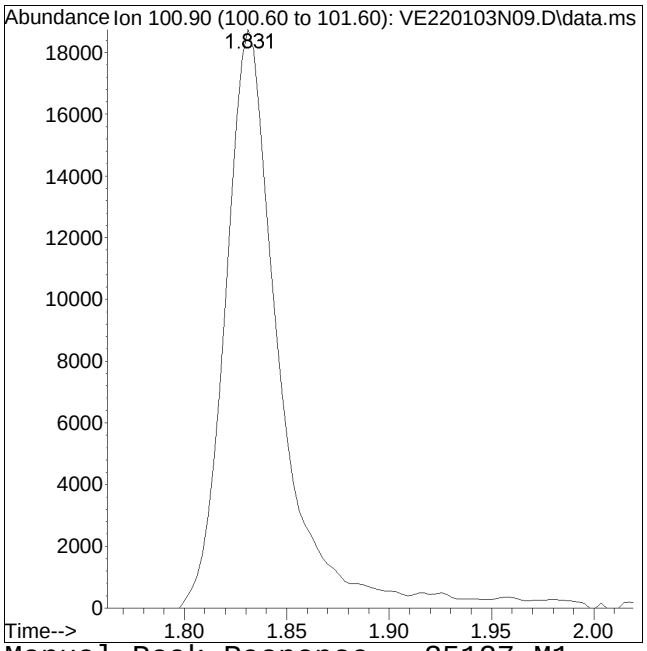
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #12: Freon-113



Original Peak Response = 33493



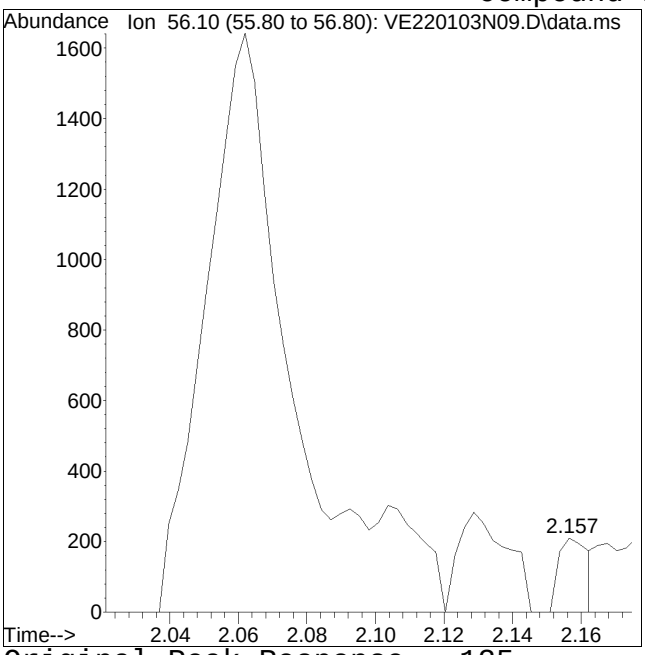
Manual Peak Response = 35127 M1

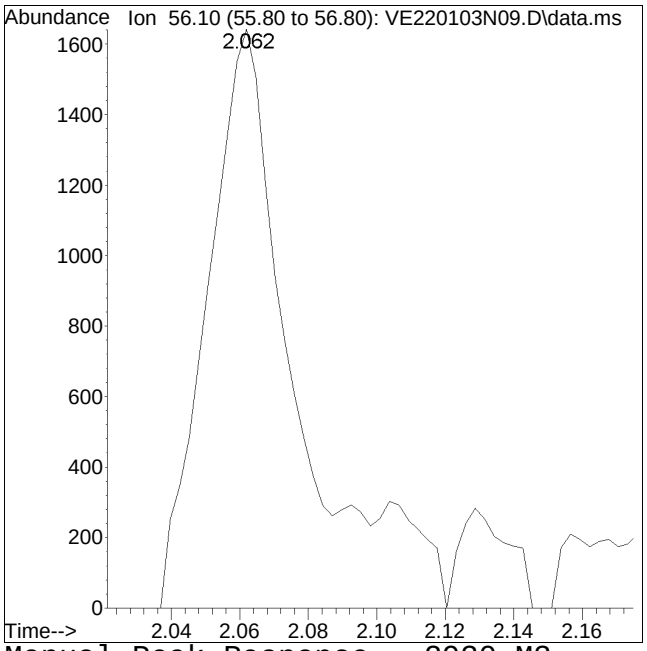
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #14: Acrolein





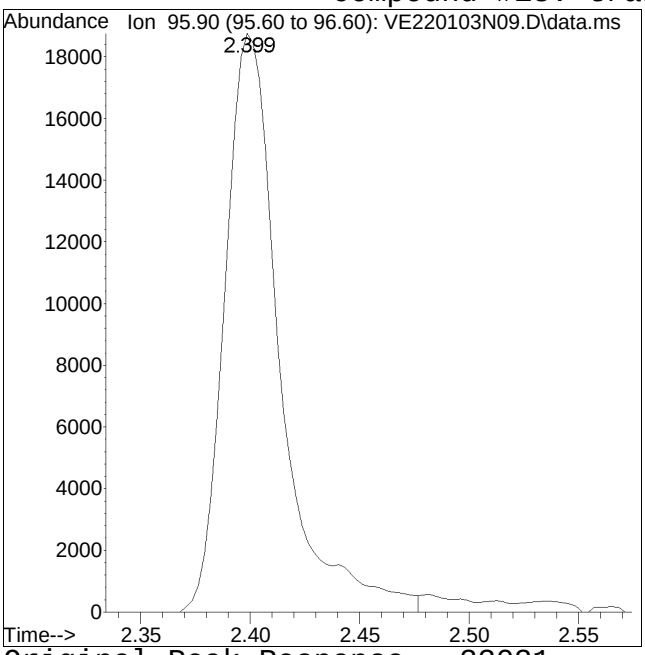
Original Peak Response = 125 Manual Peak Response = 2930 M3

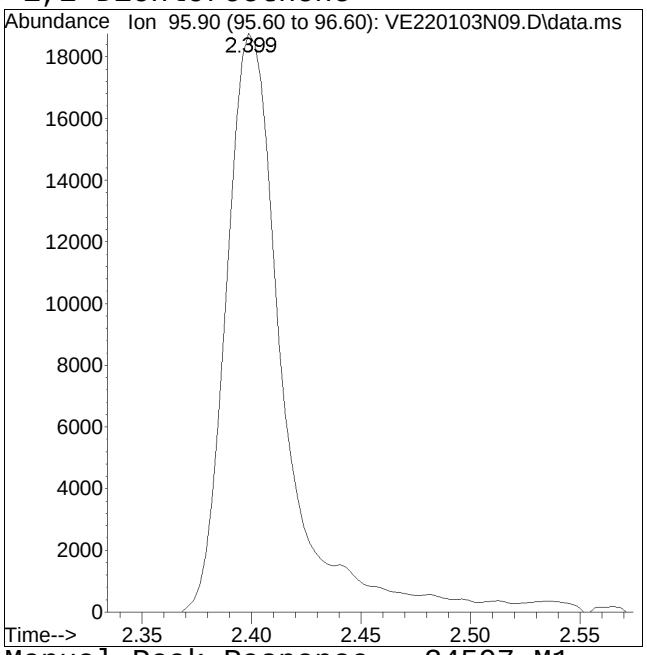
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #18: trans-1,2-Dichloroethene





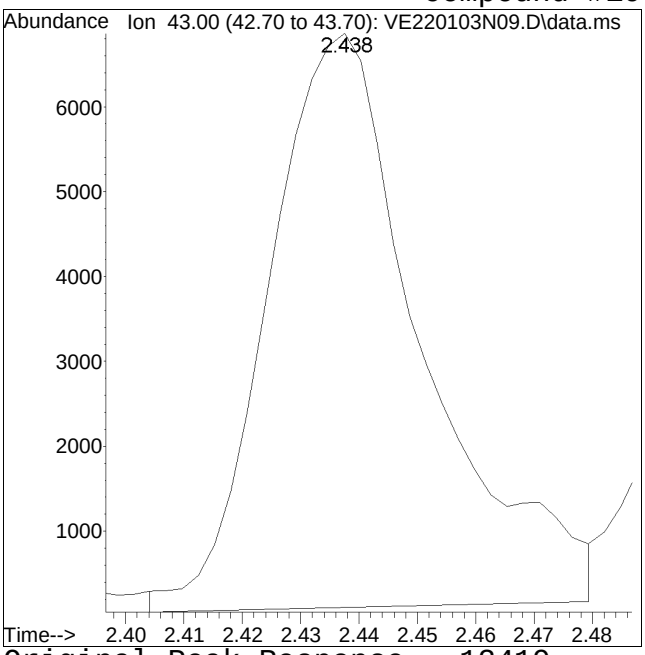
Original Peak Response = 33031 Manual Peak Response = 34597 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

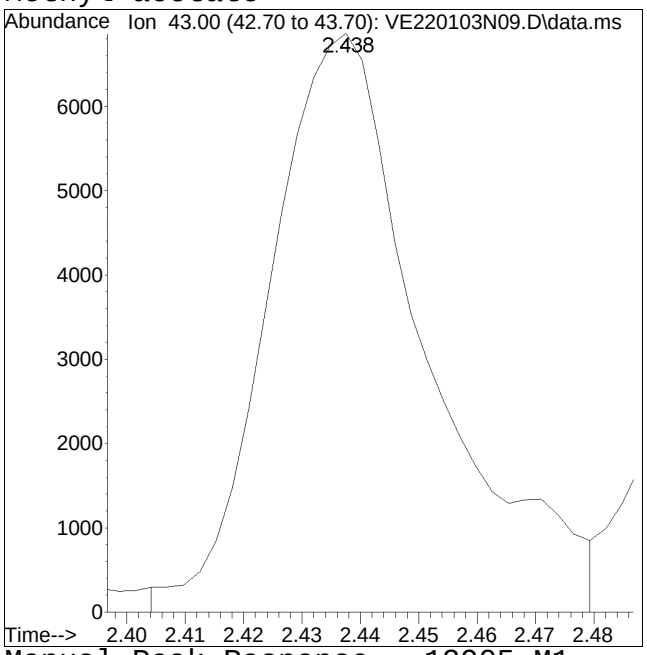
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N09.D
Date Inj'd : 1/3/2022 11:01 pm
Sample : I8260STD10PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 2:54 pm

Compound #19: Methyl acetate



Original Peak Response = 12419



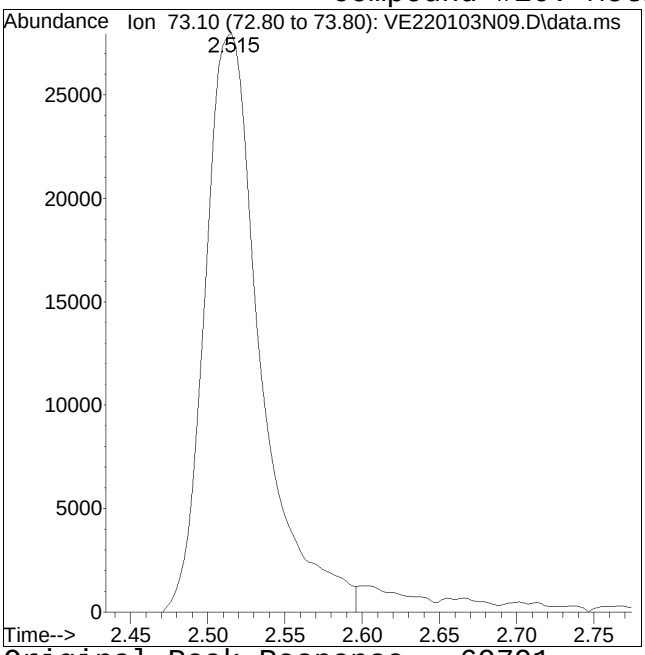
Manual Peak Response = 12905 M1

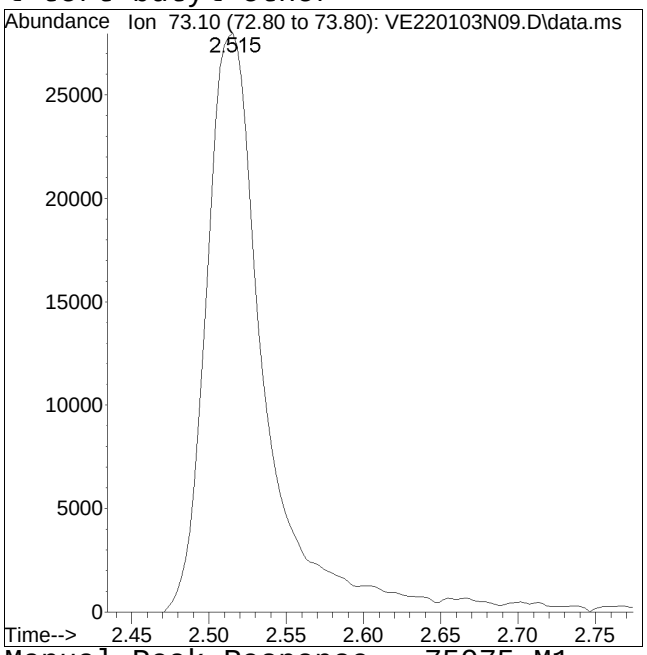
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #20: Methyl tert-butyl ether



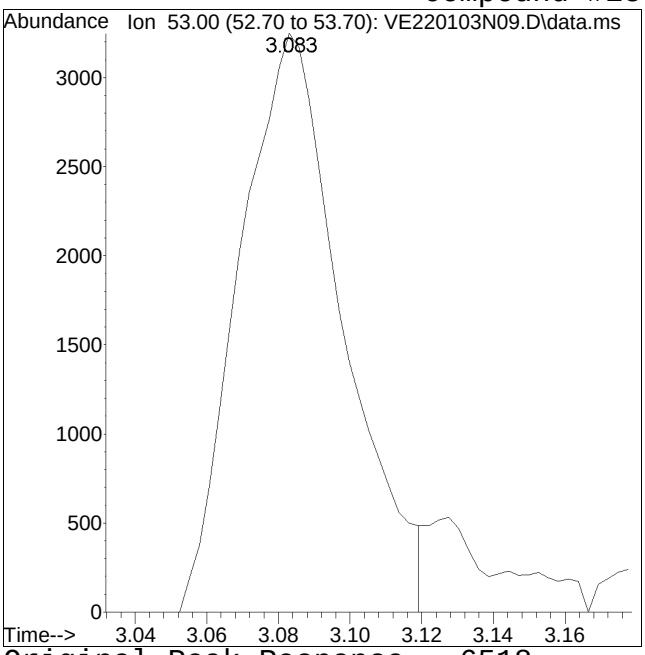


Original Peak Response = 69791 Manual Peak Response = 75075 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

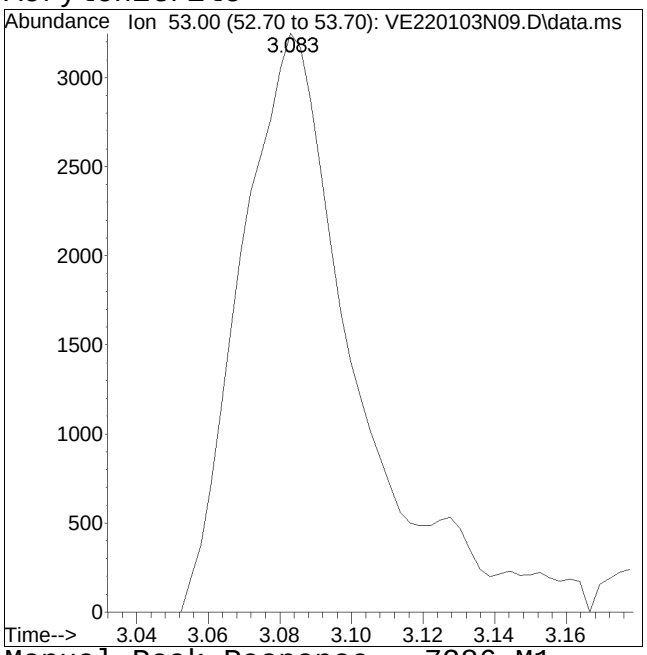
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #25: Acrylonitrile



Original Peak Response = 6518



Manual Peak Response = 7286 M1

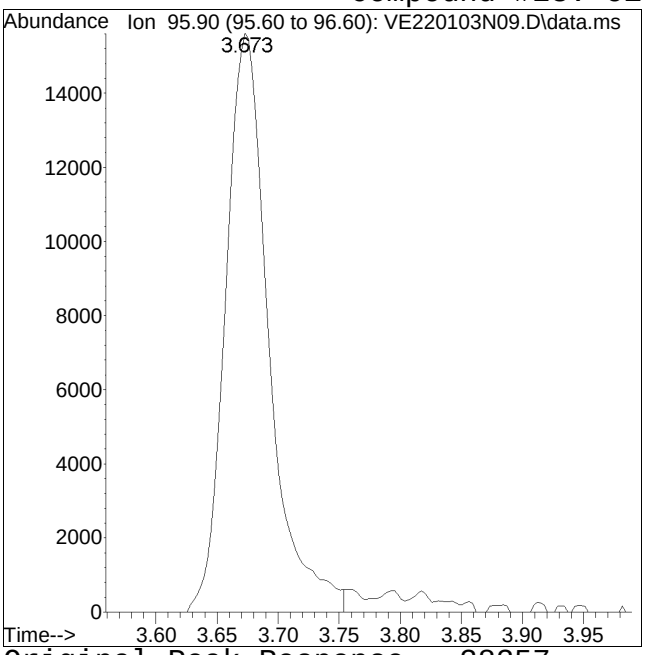
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

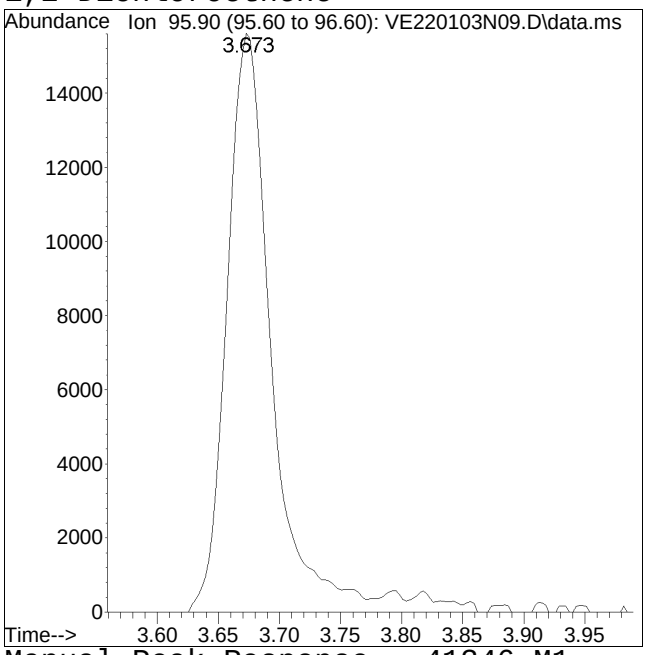
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N09.D
Date Inj'd : 1/3/2022 11:01 pm
Sample : I8260STD10PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 2:54 pm

Compound #28: cis-1,2-Dichloroethene





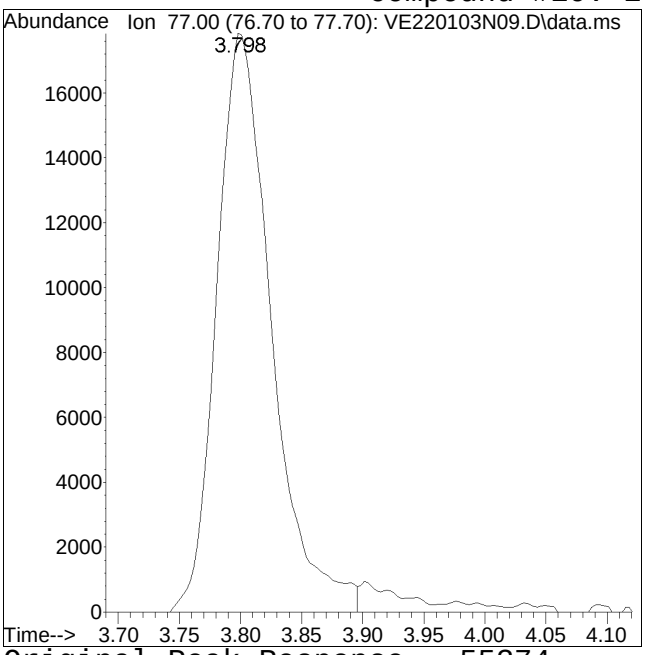
Original Peak Response = 38357 Manual Peak Response = 41346 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

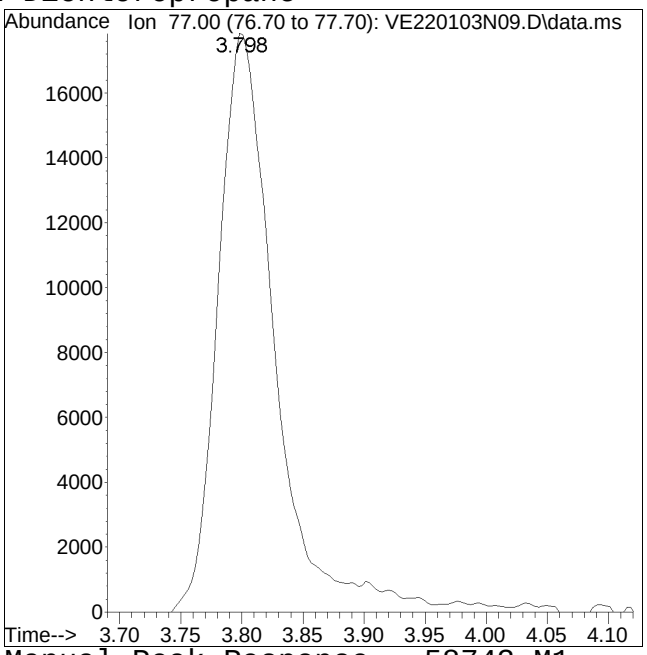
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #29: 2,2-Dichloropropane



Original Peak Response = 55374



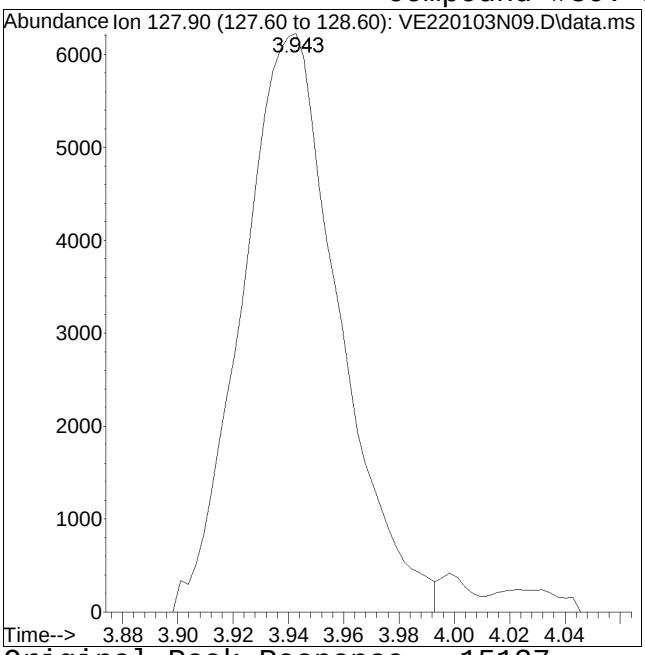
Manual Peak Response = 58743 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

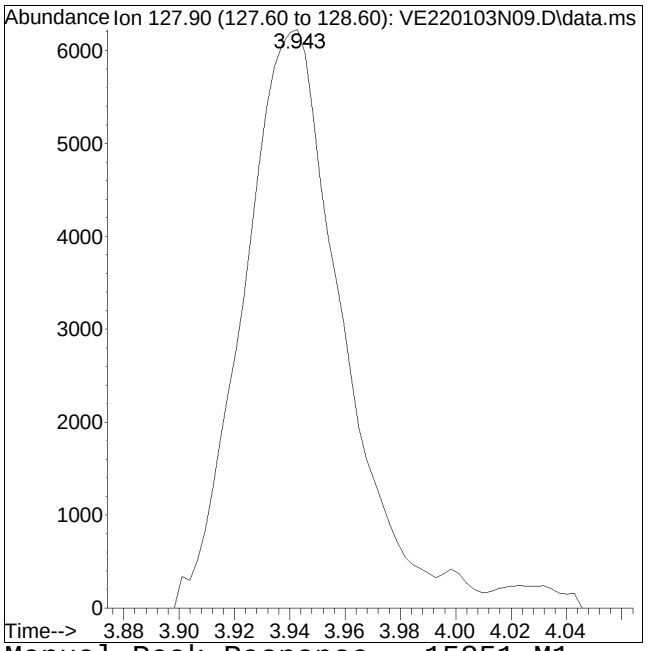
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #30: Bromochloromethane



Original Peak Response = 15137



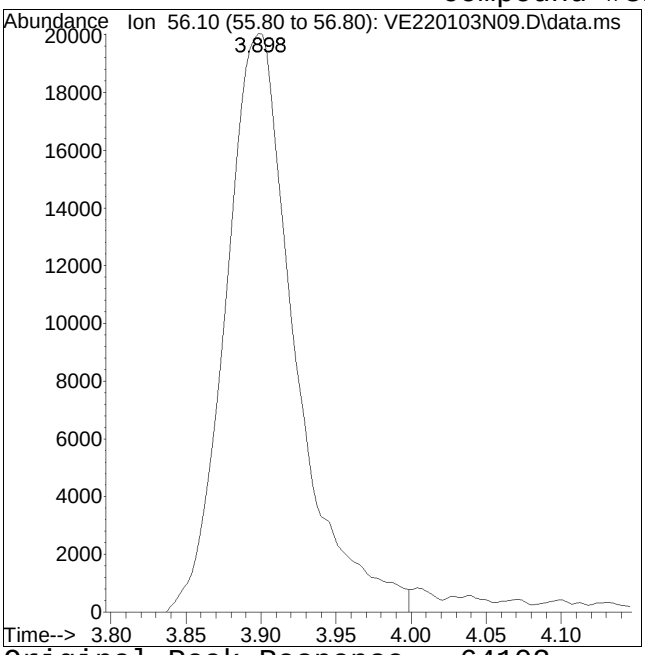
Manual Peak Response = 15851 M1

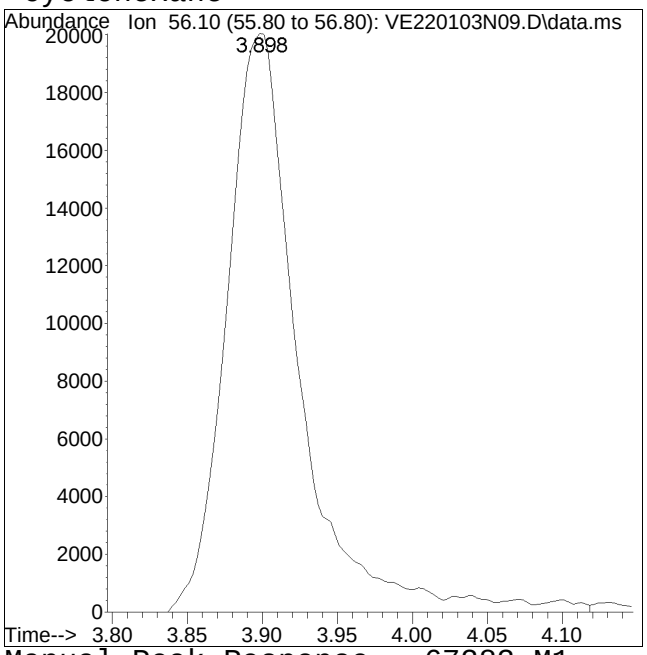
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #31: Cyclohexane



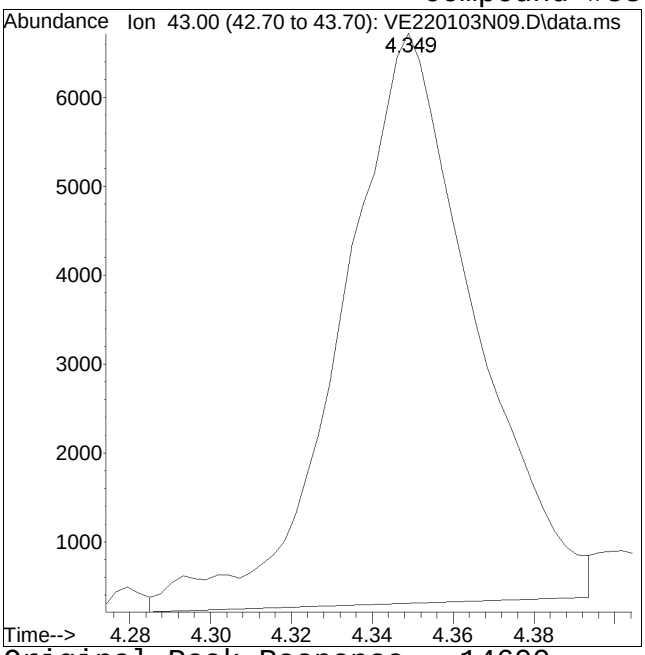


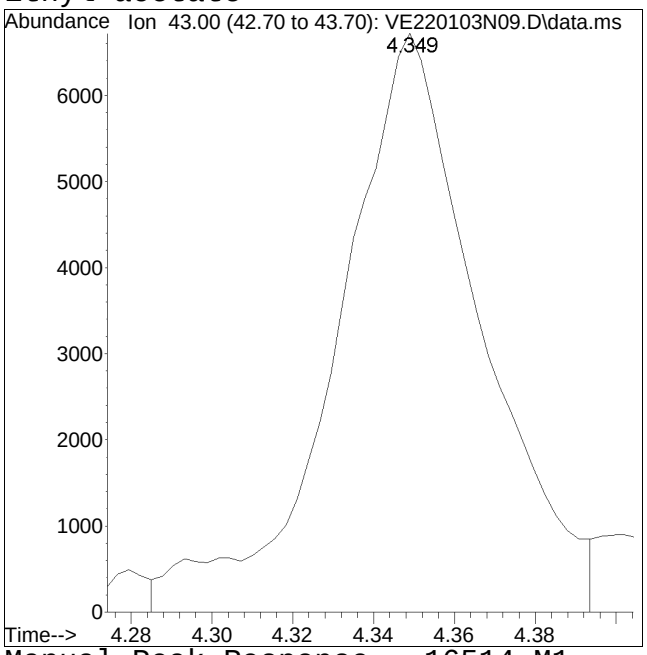
Original Peak Response = 64102 Manual Peak Response = 67283 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #33: Ethyl acetate



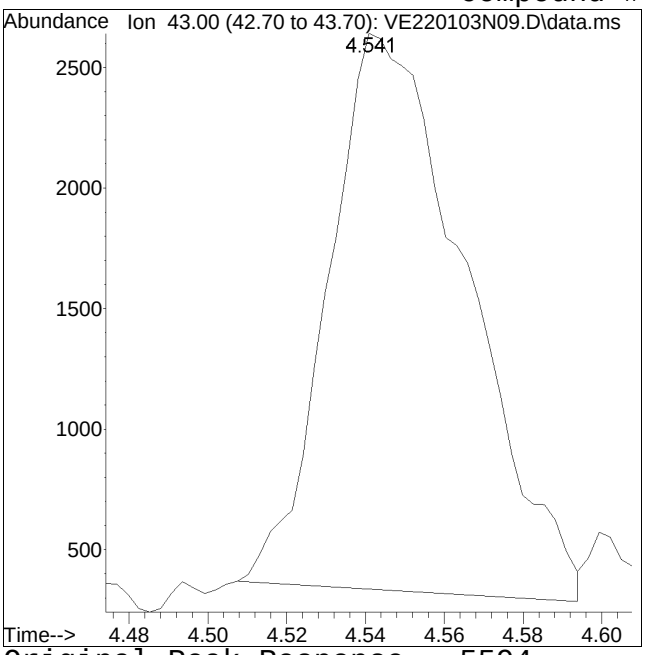


Original Peak Response = 14600 Manual Peak Response = 16514 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

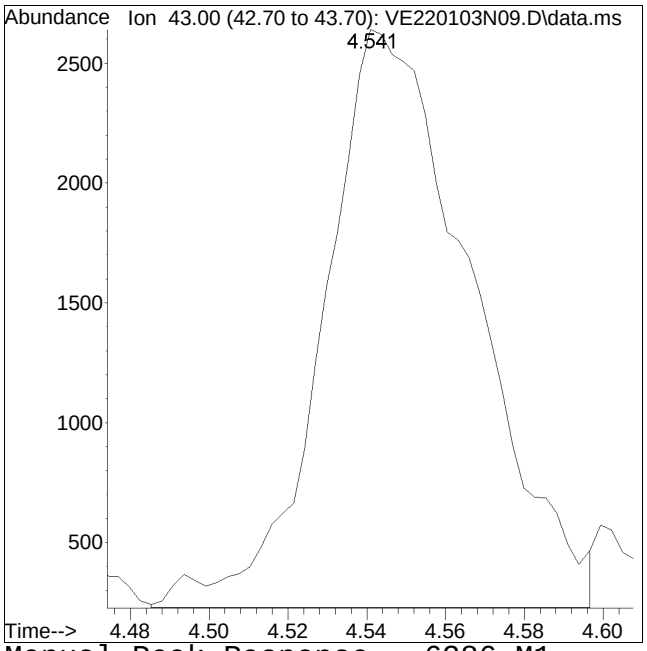
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #39: 2-Butanone



Original Peak Response = 5594



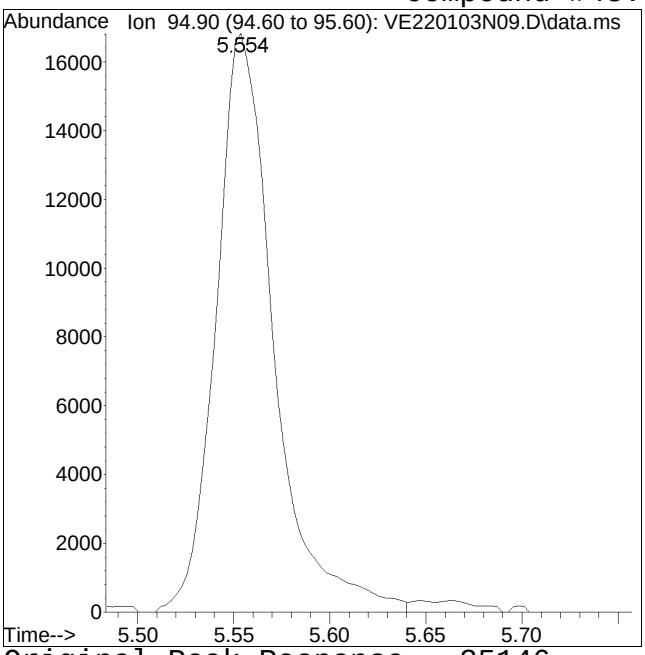
Manual Peak Response = 6286 M1

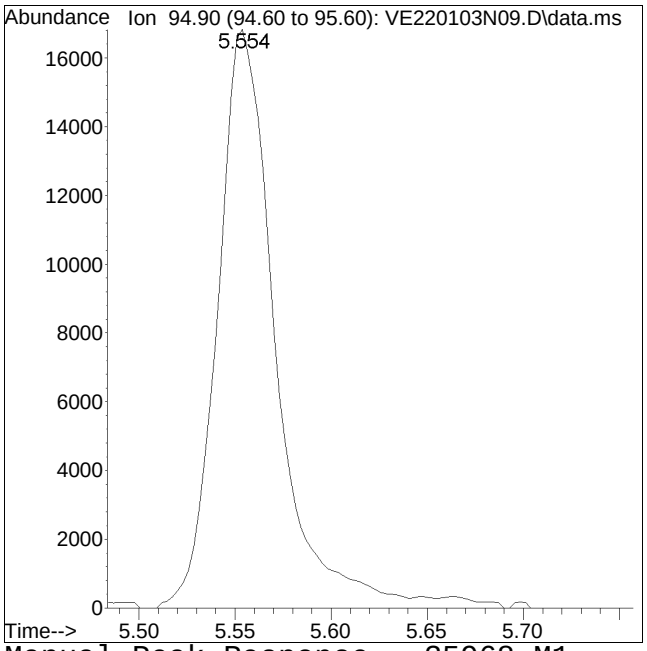
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #48: Trichloroethene



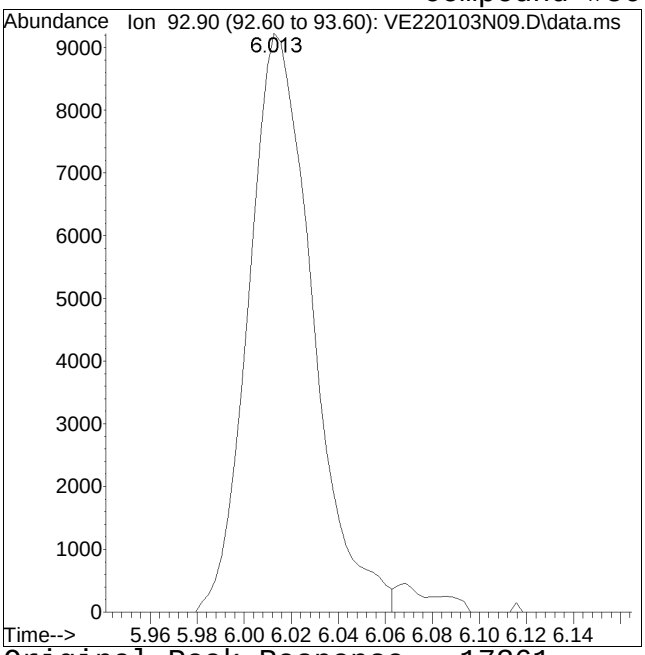


Original Peak Response = 35146 Manual Peak Response = 35968 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

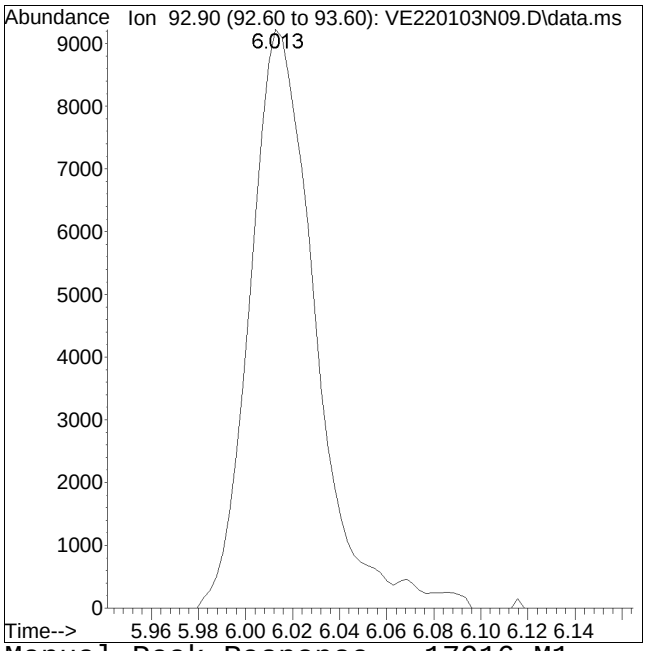
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N09.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:01 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 1/4/2022 2:54 pm

Compound #50: Dibromomethane



Original Peak Response = 17361



Manual Peak Response = 17916 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N10.D
Acq On : 3 Jan 2022 11:20 pm
Operator : ELAINE:MKS
Sample : I8260STD30PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:05:26 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.359	96	196462	10.000	ug/L	0.00
Standard Area 1 = 186998			Recovery = 105.06%			
59) Chlorobenzene-d5	8.417	117	140991	10.000	ug/L	0.00
Standard Area 1 = 138211			Recovery = 102.01%			
79) 1,4-Dichlorobenzene-d4	9.919	152	80104	10.000	ug/L	0.00
Standard Area 1 = 74028			Recovery = 108.21%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.352	113	44629	9.275	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.75%			
43) 1,2-Dichloroethane-d4	5.008	65	49289	9.827	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.27%			
60) Toluene-d8	7.081	98	190609	9.838	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.38%			
83) 4-Bromofluorobenzene	9.246	95	65952	9.653	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.53%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.907	85	155528	26.961	ug/L	99
3) Chloromethane	1.021	50	112232	26.149	ug/L	99
4) Vinyl chloride	1.074	62	132159	26.697	ug/L	96
5) Bromomethane	1.272	94	66969	26.434	ug/L	98
6) Chloroethane	1.353	64	85298	25.775	ug/L	94
7) Trichlorofluoromethane	1.444	101	211284	27.432	ug/L	97
8) Ethyl ether	1.661	74	50173M1	27.853	ug/L	
10) 1,1-Dichloroethene	1.792	96	91960	26.103	ug/L #	63
11) Carbon disulfide	1.798	76	233004	25.879	ug/L	99
12) Freon-113	1.831	101	100531M1	27.241	ug/L	
13) Iodomethane	1.889	142	85723	38.971	ug/L	83
14) Acrolein	2.056	56	8264M1	26.846	ug/L	
15) Methylene chloride	2.262	84	98351	25.362	ug/L	73
17) Acetone	2.312	43	11833	25.586	ug/L	95
18) trans-1,2-Dichloroethene	2.399	96	98163	27.006	ug/L	73
19) Methyl acetate	2.435	43	34488	25.437	ug/L #	93
20) Methyl tert-butyl ether	2.513	73	218286M1	27.675	ug/L	
21) tert-Butyl alcohol	2.652	59	17051M1	144.263	ug/L	
22) Diisopropyl ether	2.919	45	297186	27.845	ug/L #	90
23) 1,1-Dichloroethane	3.011	63	183853	26.655	ug/L	98
24) Halothane	3.153	117	78053M1	28.875	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N10.D
Acq On : 3 Jan 2022 11:20 pm
Operator : ELAINE:MKS
Sample : I8260STD30PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:05:26 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.080	53	21223M1	27.725	ug/L		
26) Ethyl tert-butyl ether	3.342	59	258289	28.633	ug/L		90
27) Vinyl acetate	3.358	43	176999	30.619	ug/L		97
28) cis-1,2-Dichloroethene	3.673	96	113782M1	26.194	ug/L		
29) 2,2-Dichloropropane	3.801	77	158561	25.692	ug/L		99
30) Bromochloromethane	3.940	128	46430	27.880	ug/L	#	59
31) Cyclohexane	3.895	56	181910	25.734	ug/L	#	66
32) Chloroform	4.101	83	177925	27.456	ug/L		98
33) Ethyl acetate	4.346	43	47490M1	27.372	ug/L		
34) Carbon tetrachloride	4.218	117	134040	28.345	ug/L		99
35) Tetrahydrofuran	4.288	42	13989	25.213	ug/L	#	59
37) 1,1,1-Trichloroethane	4.318	97	162247	28.676	ug/L	#	96
39) 2-Butanone	4.541	43	20766	31.444	ug/L	#	56
40) 1,1-Dichloropropene	4.502	75	134564	26.131	ug/L		94
41) Benzene	4.822	78	416632	28.095	ug/L		89
42) tert-Amyl methyl ether	5.045	73	222196	28.807	ug/L	#	85
44) 1,2-Dichloroethane	5.092	62	118053	29.375	ug/L		97
47) Methyl cyclohexane	5.506	83	175452	27.363	ug/L	#	71
48) Trichloroethene	5.554	95	101102	26.755	ug/L		91
50) Dibromomethane	6.016	93	51198	27.200	ug/L		95
51) 1,2-Dichloropropane	6.127	63	105108	26.971	ug/L		92
54) Bromodichloromethane	6.244	83	132573	27.212	ug/L		100
57) 1,4-Dioxane	6.466	88	6905	510.594	ug/L	#	65
58) cis-1,3-Dichloropropene	6.906	75	157313	28.698	ug/L		95
61) Toluene	7.131	92	258051	28.081	ug/L		99
62) 4-Methyl-2-pentanone	7.554	58	19208	29.779	ug/L	#	85
63) Tetrachloroethene	7.496	166	106754	28.337	ug/L		91
65) trans-1,3-Dichloropropene	7.576	75	128421	29.753	ug/L		99
67) Ethyl methacrylate	7.768	69	86112	27.665	ug/L		98
68) 1,1,2-Trichloroethane	7.710	83	59284	29.388	ug/L		95
69) Chlorodibromomethane	7.846	129	81414	28.960	ug/L		97
70) 1,3-Dichloropropane	7.927	76	127542	28.688	ug/L		99
71) 1,2-Dibromoethane	8.008	107	67617	28.928	ug/L		99
72) 2-Hexanone	8.258	43	32835	27.705	ug/L		97
73) Chlorobenzene	8.428	112	270647	27.971	ug/L		92
74) Ethylbenzene	8.467	91	501757	28.178	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.489	131	94692	29.453	ug/L		95
76) p/m Xylene	8.578	106	388557	57.013	ug/L		96
77) o Xylene	8.865	106	376064	57.743	ug/L		90
78) Styrene	8.903	104	638167	59.748	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N10.D
Acq On : 3 Jan 2022 11:20 pm
Operator : ELAINE:MKS
Sample : I8260STD30PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:05:26 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	8.909	173	50206	31.751	ug/L		95
82) Isopropylbenzene	9.076	105	495501	26.686	ug/L		96
84) Bromobenzene	9.301	156	112238	26.914	ug/L		99
85) n-Propylbenzene	9.338	91	587888	26.612	ug/L		97
86) 1,4-Dichlorobutane	9.346	55	121421	27.148	ug/L		96
87) 1,1,2,2-Tetrachloroethane	9.399	83	76500	27.059	ug/L		94
88) 4-Ethyltoluene	9.407	105	484131	27.095	ug/L		96
89) 2-Chlorotoluene	9.421	91	399422	27.190	ug/L		96
90) 1,3,5-Trimethylbenzene	9.463	105	418518	27.223	ug/L		91
91) 1,2,3-Trichloropropane	9.466	75	64065	28.647	ug/L		99
92) trans-1,4-Dichloro-2-b...	9.499	53	23484	28.307	ug/L	#	78
93) 4-Chlorotoluene	9.524	91	355986M1	27.213	ug/L		
94) tert-Butylbenzene	9.649	119	341161	26.605	ug/L		95
97) 1,2,4-Trimethylbenzene	9.694	105	421440	28.173	ug/L		94
98) sec-Butylbenzene	9.755	105	513340	25.972	ug/L		97
99) p-Isopropyltoluene	9.844	119	437597	26.903	ug/L		95
100) 1,3-Dichlorobenzene	9.874	146	232010	28.474	ug/L		97
101) 1,4-Dichlorobenzene	9.927	146	227999	28.063	ug/L		97
102) p-Diethylbenzene	10.053	119	254479	26.956	ug/L		95
103) n-Butylbenzene	10.086	91	378421	26.050	ug/L		99
104) 1,2-Dichlorobenzene	10.169	146	211084	28.143	ug/L		98
105) 1,2,4,5-Tetramethylben...	10.509	119	405934	28.387	ug/L		98
106) 1,2-Dibromo-3-chloropr...	10.626	155	11159	32.491	ug/L		94
107) 1,3,5-Trichlorobenzene	10.640	180	151364	27.210	ug/L		95
108) Hexachlorobutadiene	10.985	225	49588	25.171	ug/L		96
109) 1,2,4-Trichlorobenzene	10.999	180	128178	28.596	ug/L		98
110) Naphthalene	11.177	128	258248	30.070	ug/L		100
111) 1,2,3-Trichlorobenzene	11.280	180	109918	28.837	ug/L		98

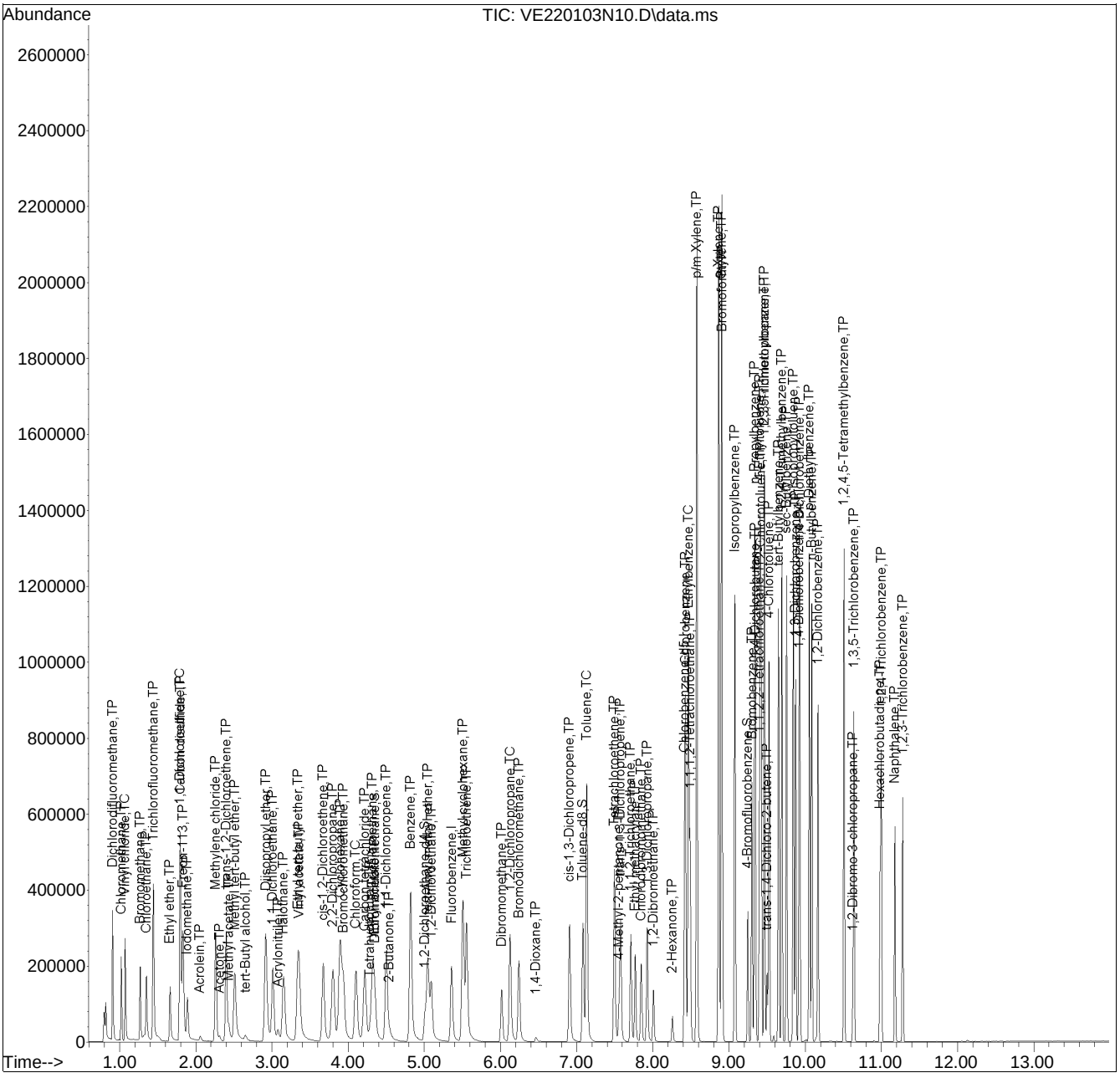
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N10.D
Acq On : 3 Jan 2022 11:20 pm
Operator : ELAINE:MKS
Sample : I8260STD30PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:05:26 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

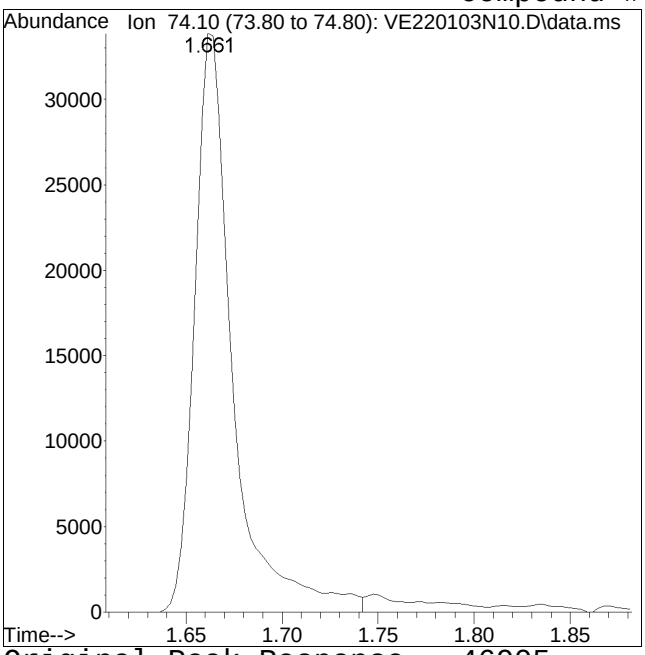
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEAL\VE220103N09.D•



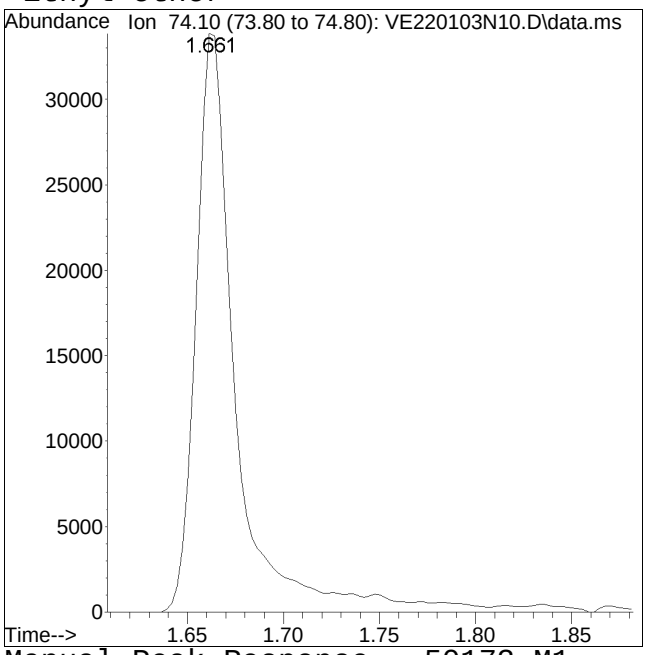
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N10.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:20 pm Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 1/4/2022 2:53 pm

Compound #8: Ethyl ether



Original Peak Response = 46905



Manual Peak Response = 50173 M1

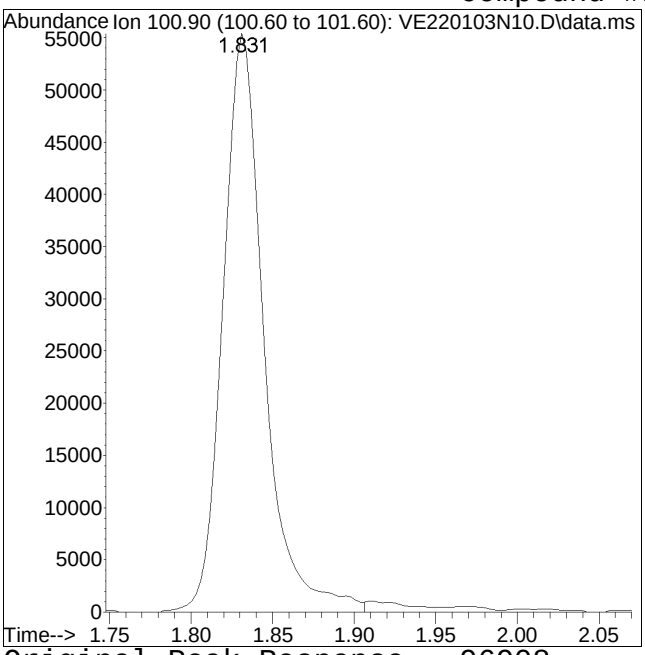
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

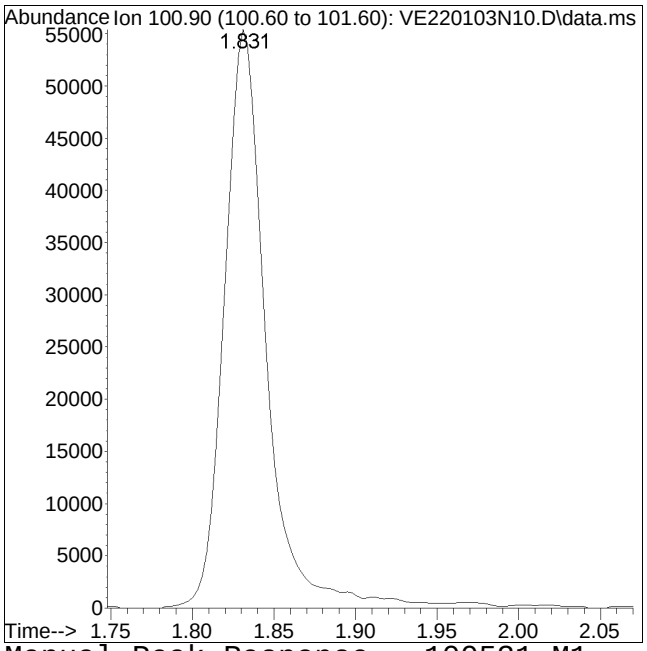
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N10.D
Date Inj'd : 1/3/2022 11:20 pm
Sample : I8260STD30PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 2:53 pm

Compound #12: Freon-113



Original Peak Response = 96908



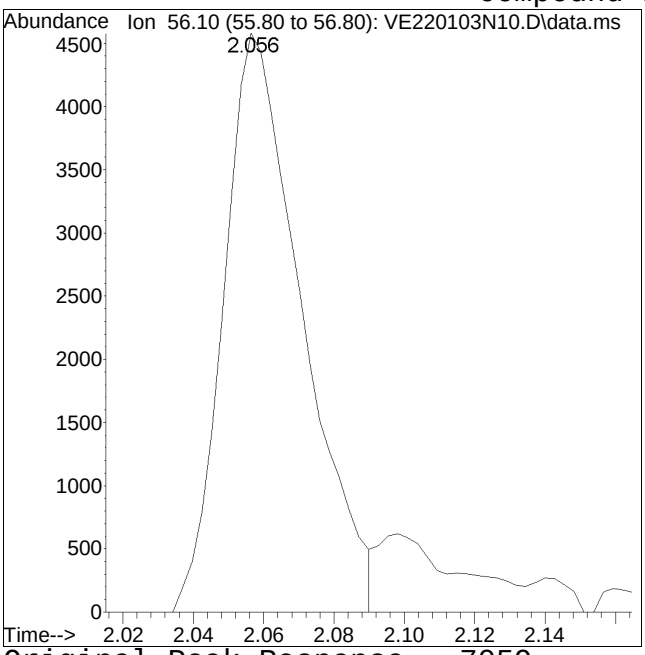
Manual Peak Response = 100531 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

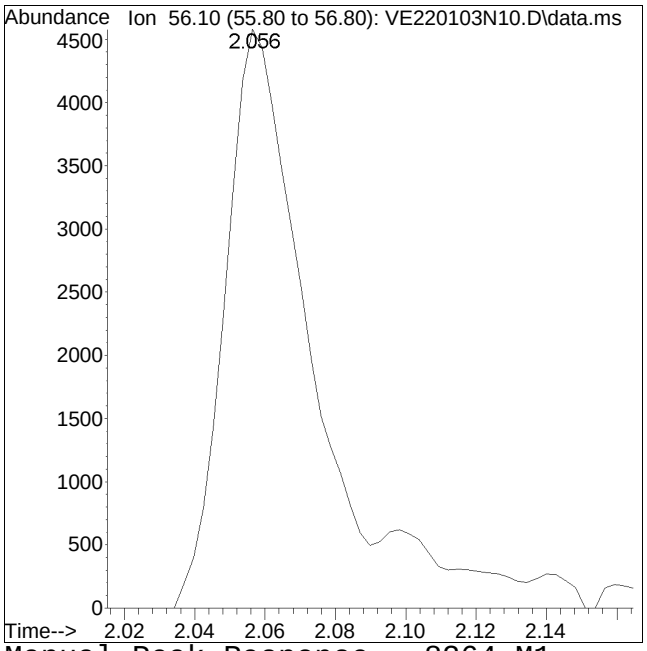
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N10.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:20 pm Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 1/4/2022 2:53 pm

Compound #14: Acrolein



Original Peak Response = 7059



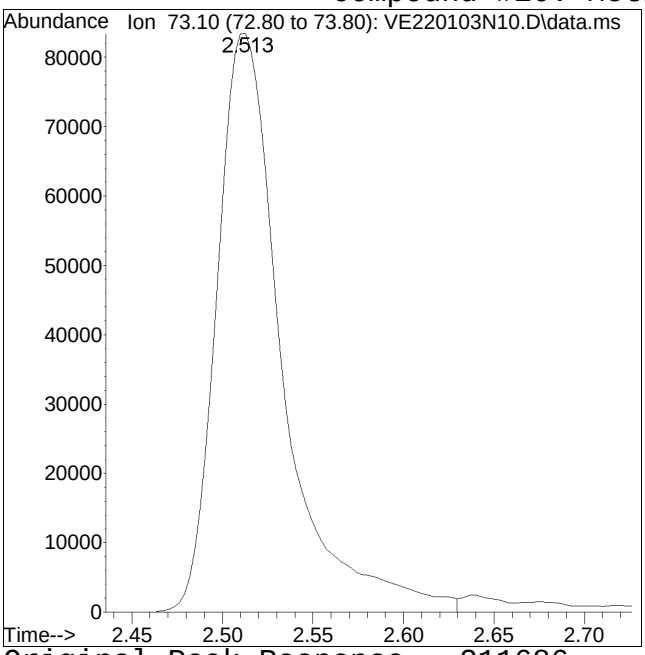
Manual Peak Response = 8264 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

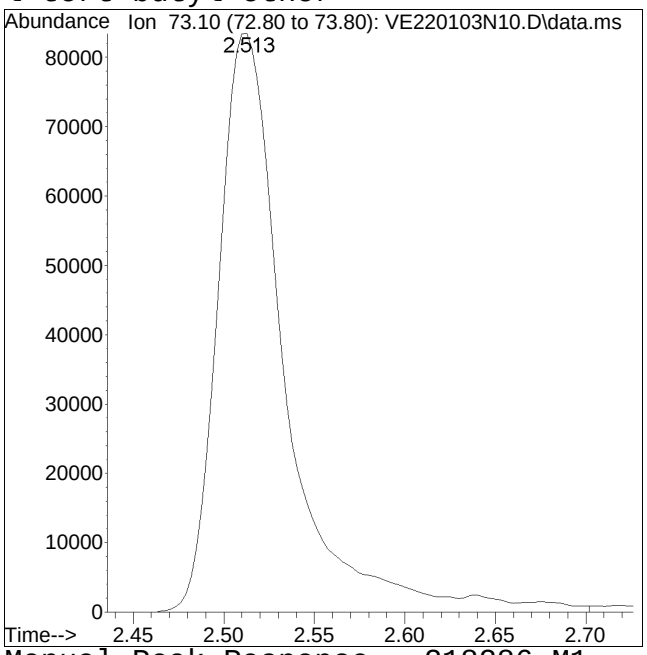
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N10.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:20 pm Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 1/4/2022 2:53 pm

Compound #20: Methyl tert-butyl ether



Original Peak Response = 211686



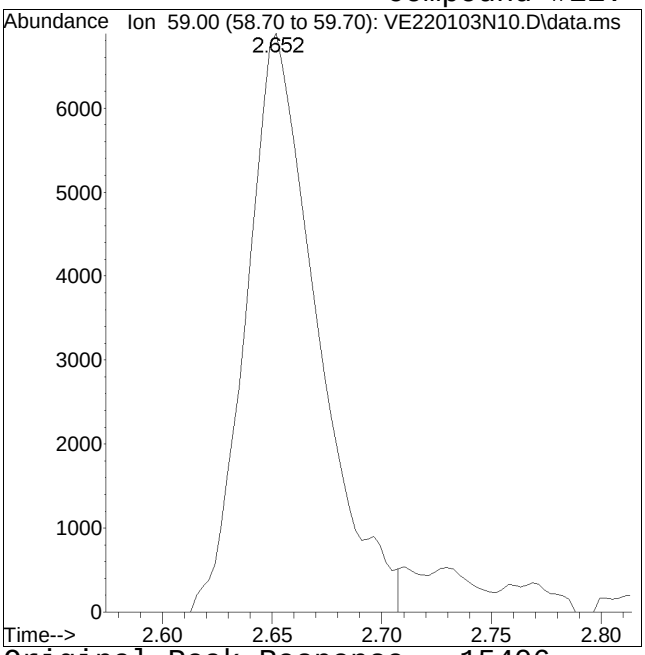
Manual Peak Response = 218286 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

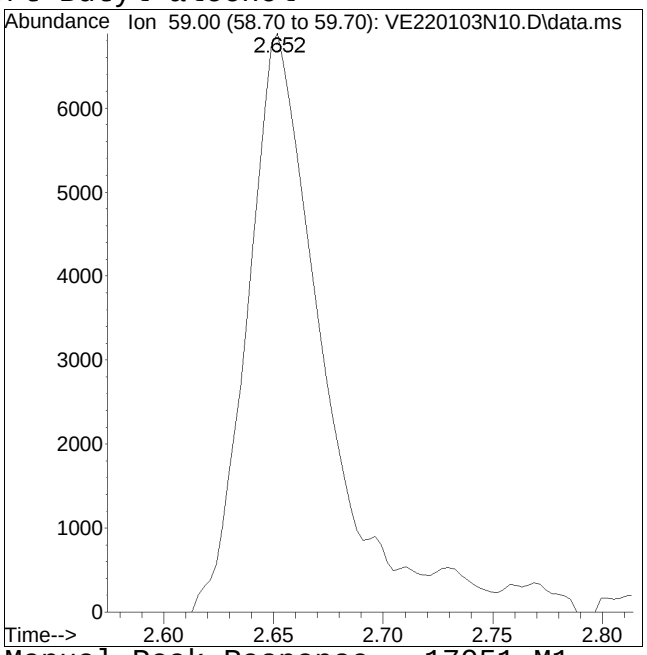
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N10.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:20 pm Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 1/4/2022 2:53 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 15406



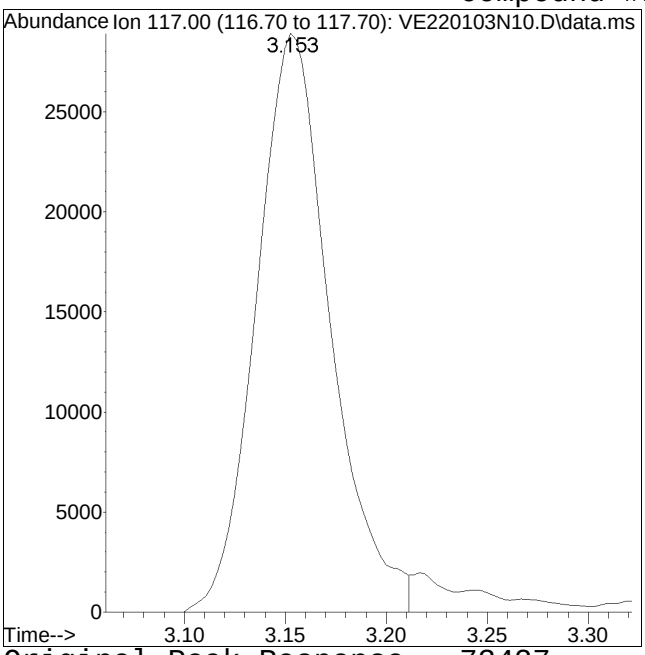
Manual Peak Response = 17051 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

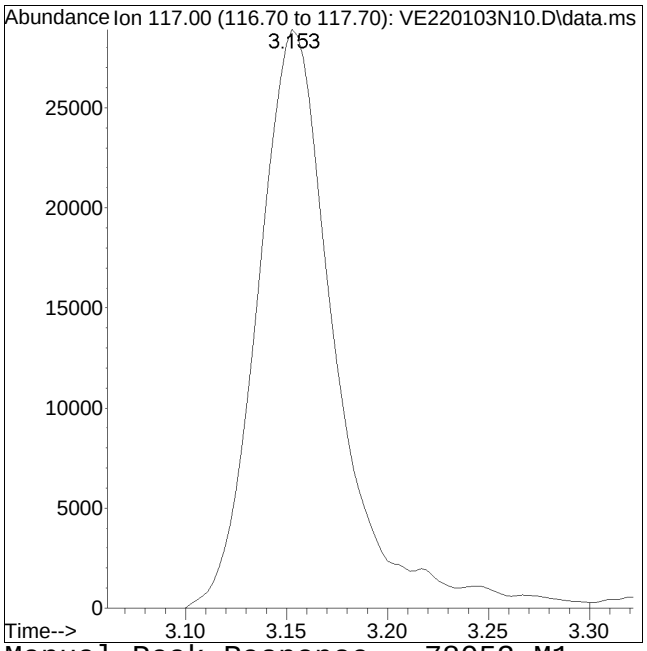
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N10.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:20 pm Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 1/4/2022 2:53 pm

Compound #24: Halothane



Original Peak Response = 73427



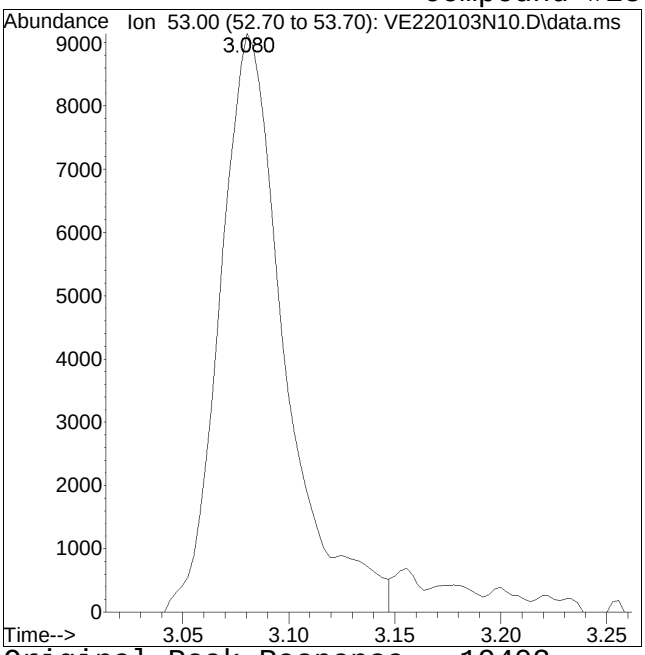
Manual Peak Response = 78053 M1

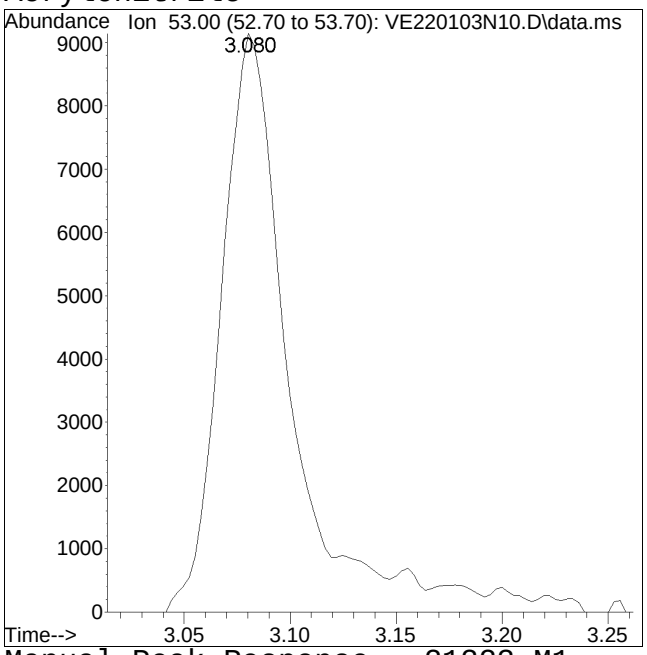
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N10.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:20 pm Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 1/4/2022 2:53 pm

Compound #25: Acrylonitrile



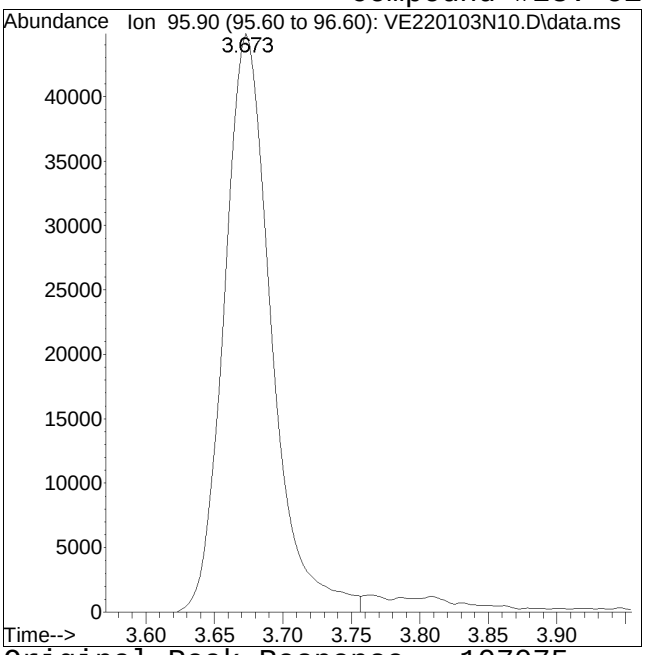


Original Peak Response = 19402 Manual Peak Response = 21223 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

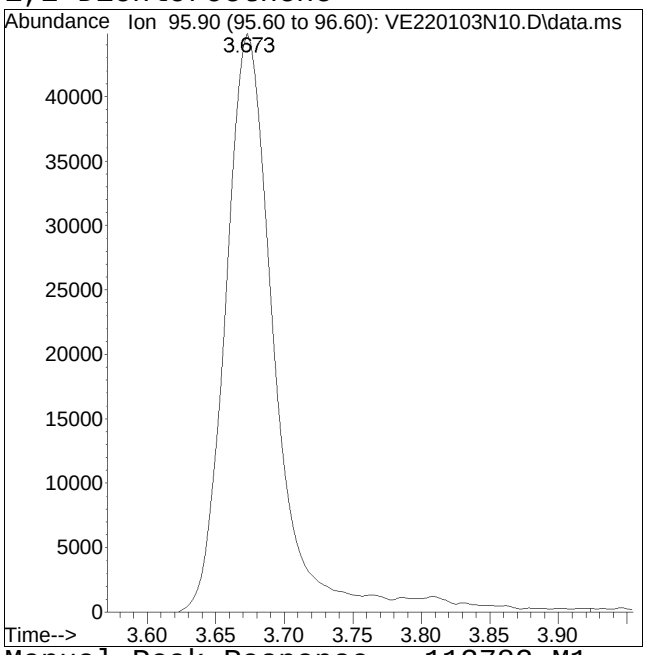
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N10.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:20 pm Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 1/4/2022 2:53 pm

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 107075



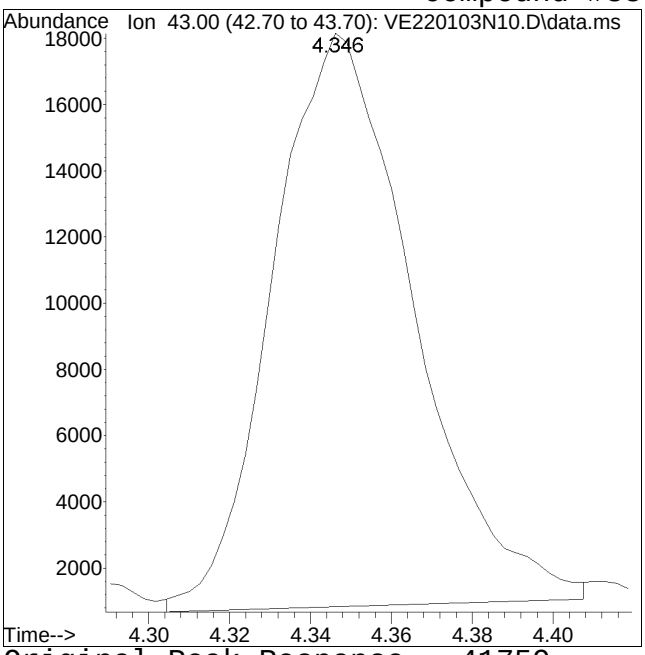
Manual Peak Response = 113782 M1

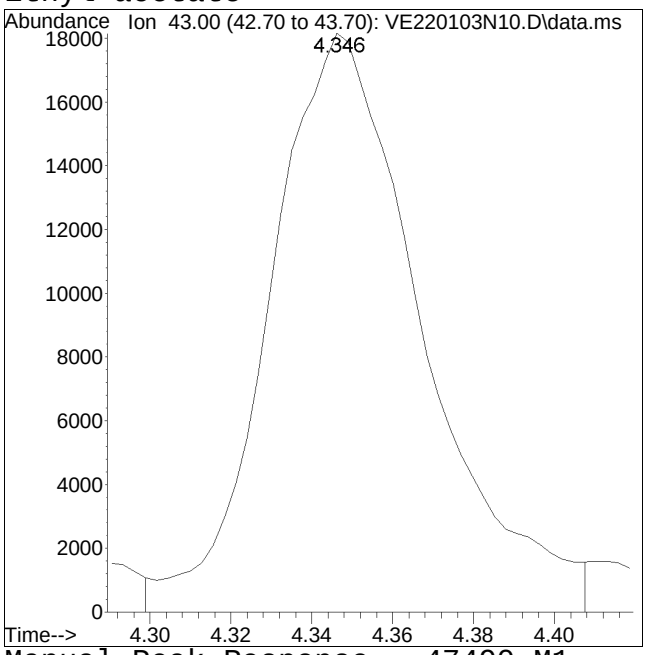
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N10.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:20 pm Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 1/4/2022 2:53 pm

Compound #33: Ethyl acetate



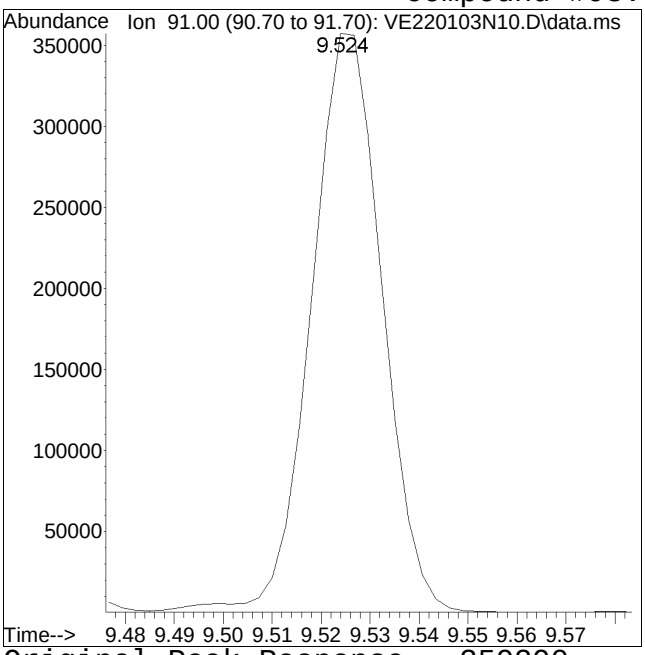


Original Peak Response = 41759 Manual Peak Response = 47490 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

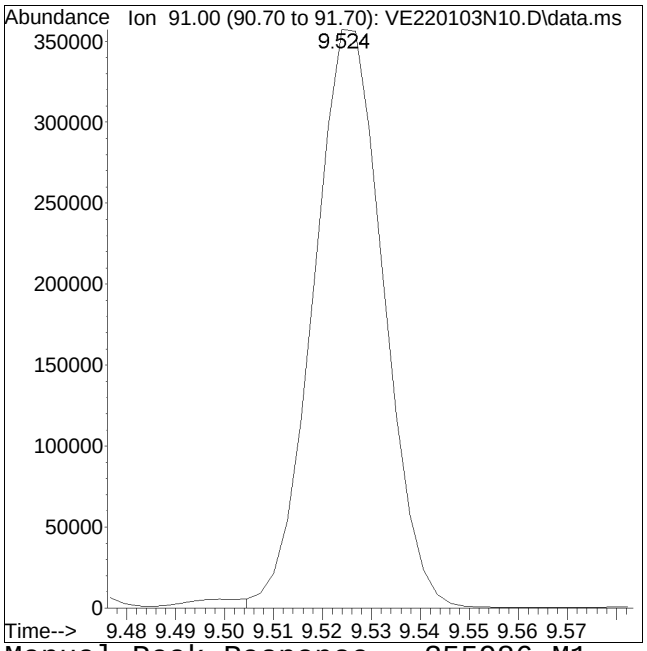
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N10.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:20 pm Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 1/4/2022 2:53 pm

Compound #93: 4-Chlorotoluene



Original Peak Response = 359290



Manual Peak Response = 355986 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N11.D
Acq On : 3 Jan 2022 11:39 pm
Operator : ELAINE:MKS
Sample : I8260STD80PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:05:37 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.359	96	209000	10.000 ug/L	0.00
Standard Area 1 = 186998			Recovery = 111.77%		
59) Chlorobenzene-d5	8.416	117	158319	10.000 ug/L	0.00
Standard Area 1 = 138211			Recovery = 114.55%		
79) 1,4-Dichlorobenzene-d4	9.919	152	93317	10.000 ug/L	0.00
Standard Area 1 = 74028			Recovery = 126.06%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.349	113	47512	9.282 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.82%		
43) 1,2-Dichloroethane-d4	5.008	65	52646	9.867 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.67%		
60) Toluene-d8	7.081	98	204263	9.389 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.89%		
83) 4-Bromofluorobenzene	9.246	95	77793	9.774 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.74%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.907	85	426084	69.432 ug/L	99
3) Chloromethane	1.021	50	301361	66.001 ug/L	99
4) Vinyl chloride	1.074	62	359690	68.300 ug/L	95
5) Bromomethane	1.272	94	209704	77.809 ug/L	98
6) Chloroethane	1.352	64	233017	66.188 ug/L	95
7) Trichlorofluoromethane	1.444	101	587574	71.710 ug/L	96
8) Ethyl ether	1.664	74	124578	65.008 ug/L	70
10) 1,1-Dichloroethene	1.792	96	260861	69.605 ug/L #	64
11) Carbon disulfide	1.798	76	667687	69.710 ug/L	98
12) Freon-113	1.831	101	267167	68.051 ug/L	99
13) Iodomethane	1.892	142	289298	123.629 ug/L	83
14) Acrolein	2.059	56	26832M1	81.936 ug/L	
15) Methylene chloride	2.262	84	272361	66.021 ug/L	72
17) Acetone	2.309	43	32874M1	66.818 ug/L	
18) trans-1,2-Dichloroethene	2.398	96	267032	69.058 ug/L	77
19) Methyl acetate	2.435	43	98526	68.310 ug/L #	91
20) Methyl tert-butyl ether	2.510	73	621112M1	74.023 ug/L	
21) tert-Butyl alcohol	2.652	59	46038M1	366.146 ug/L	
22) Diisopropyl ether	2.916	45	862555	75.968 ug/L #	90
23) 1,1-Dichloroethane	3.011	63	512684	69.869 ug/L	98
24) Halothane	3.152	117	220431M1	76.655 ug/L	

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N11.D
Acq On : 3 Jan 2022 11:39 pm
Operator : ELAINE:MKS
Sample : I8260STD80PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:05:37 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.077	53	58013M1	71.240	ug/L		
26) Ethyl tert-butyl ether	3.342	59	742745	77.398	ug/L		89
27) Vinyl acetate	3.358	43	512713	83.372	ug/L	#	95
28) cis-1,2-Dichloroethene	3.673	96	300486	65.025	ug/L	#	69
29) 2,2-Dichloropropane	3.801	77	460290	70.108	ug/L		99
30) Bromochloromethane	3.940	128	129007	72.819	ug/L	#	61
31) Cyclohexane	3.895	56	510747	67.919	ug/L	#	61
32) Chloroform	4.101	83	495025	71.807	ug/L		97
33) Ethyl acetate	4.346	43	135053	73.172	ug/L	#	92
34) Carbon tetrachloride	4.218	117	397299	78.975	ug/L		99
35) Tetrahydrofuran	4.279	42	37535	63.593	ug/L	#	54
37) 1,1,1-Trichloroethane	4.321	97	464530	77.178	ug/L	#	95
39) 2-Butanone	4.541	43	53525	76.186	ug/L	#	52
40) 1,1-Dichloropropene	4.502	75	405567	74.031	ug/L		96
41) Benzene	4.822	78	1204902	76.376	ug/L		89
42) tert-Amyl methyl ether	5.044	73	660057	80.440	ug/L	#	85
44) 1,2-Dichloroethane	5.092	62	336278	78.657	ug/L		97
47) Methyl cyclohexane	5.506	83	523126	76.690	ug/L	#	69
48) Trichloroethene	5.554	95	300626	74.783	ug/L		95
50) Dibromomethane	6.015	93	147151	73.487	ug/L		96
51) 1,2-Dichloropropane	6.127	63	296349	71.481	ug/L		95
54) Bromodichloromethane	6.241	83	391719	75.582	ug/L		99
57) 1,4-Dioxane	6.466	88	8417	585.062	ug/L	#	76
58) cis-1,3-Dichloropropene	6.906	75	465607	79.843	ug/L		95
61) Toluene	7.131	92	773362	74.945	ug/L		97
62) 4-Methyl-2-pentanone	7.557	58	54275	74.935	ug/L	#	81
63) Tetrachloroethene	7.496	166	321663	76.038	ug/L		91
65) trans-1,3-Dichloropropene	7.576	75	383124	79.047	ug/L		97
67) Ethyl methacrylate	7.768	69	254671	72.863	ug/L		98
68) 1,1,2-Trichloroethane	7.710	83	174014	76.821	ug/L		95
69) Chlorodibromomethane	7.846	129	253111	80.181	ug/L		98
70) 1,3-Dichloropropane	7.927	76	370084	74.133	ug/L		99
71) 1,2-Dibromoethane	8.007	107	197750	75.343	ug/L		98
72) 2-Hexanone	8.258	43	91179	68.513	ug/L		97
73) Chlorobenzene	8.428	112	813521	74.875	ug/L		90
74) Ethylbenzene	8.469	91	1498875	74.962	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.489	131	301286	83.456	ug/L		95
76) p/m Xylene	8.578	106	1213651	158.587	ug/L		92
77) o Xylene	8.867	106	1158742	158.447	ug/L		87
78) Styrene	8.906	104	1990154	165.932	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N11.D
Acq On : 3 Jan 2022 11:39 pm
Operator : ELAINE:MKS
Sample : I8260STD80PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:05:37 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	8.909	173	178615	96.965	ug/L		96
82) Isopropylbenzene	9.076	105	1558470	72.049	ug/L		94
84) Bromobenzene	9.301	156	357486	73.586	ug/L		99
85) n-Propylbenzene	9.337	91	1783497	69.302	ug/L		94
86) 1,4-Dichlorobutane	9.348	55	347696	66.733	ug/L		96
87) 1,1,2,2-Tetrachloroethane	9.399	83	233553	70.914	ug/L		95
88) 4-Ethyltoluene	9.410	105	1505753	72.339	ug/L		94
89) 2-Chlorotoluene	9.421	91	1227609	71.736	ug/L		93
90) 1,3,5-Trimethylbenzene	9.465	105	1300723	72.627	ug/L		90
91) 1,2,3-Trichloropropane	9.465	75	191370	73.457	ug/L		99
92) trans-1,4-Dichloro-2-b...	9.499	53	60447	62.544	ug/L	#	51
93) 4-Chlorotoluene	9.527	91	1088563M1	71.433	ug/L		
94) tert-Butylbenzene	9.649	119	1086969	72.763	ug/L		97
97) 1,2,4-Trimethylbenzene	9.694	105	1282520	73.596	ug/L		91
98) sec-Butylbenzene	9.755	105	1576887	68.486	ug/L		95
99) p-Isopropyltoluene	9.844	119	1366686	72.126	ug/L		95
100) 1,3-Dichlorobenzene	9.874	146	722573	76.123	ug/L		97
101) 1,4-Dichlorobenzene	9.927	146	704553	74.439	ug/L		97
102) p-Diethylbenzene	10.055	119	800026	72.746	ug/L		94
103) n-Butylbenzene	10.086	91	1132549	66.925	ug/L		97
104) 1,2-Dichlorobenzene	10.169	146	640924	73.351	ug/L		98
105) 1,2,4,5-Tetramethylben...	10.509	119	1254215	75.289	ug/L		97
106) 1,2-Dibromo-3-chloropr...	10.626	155	33862	84.633	ug/L		89
107) 1,3,5-Trichlorobenzene	10.639	180	493082	76.088	ug/L		93
108) Hexachlorobutadiene	10.984	225	169481	73.849	ug/L		95
109) 1,2,4-Trichlorobenzene	10.998	180	415579	79.586	ug/L		98
110) Naphthalene	11.179	128	816688	81.629	ug/L		100
111) 1,2,3-Trichlorobenzene	11.279	180	364168	82.011	ug/L		99

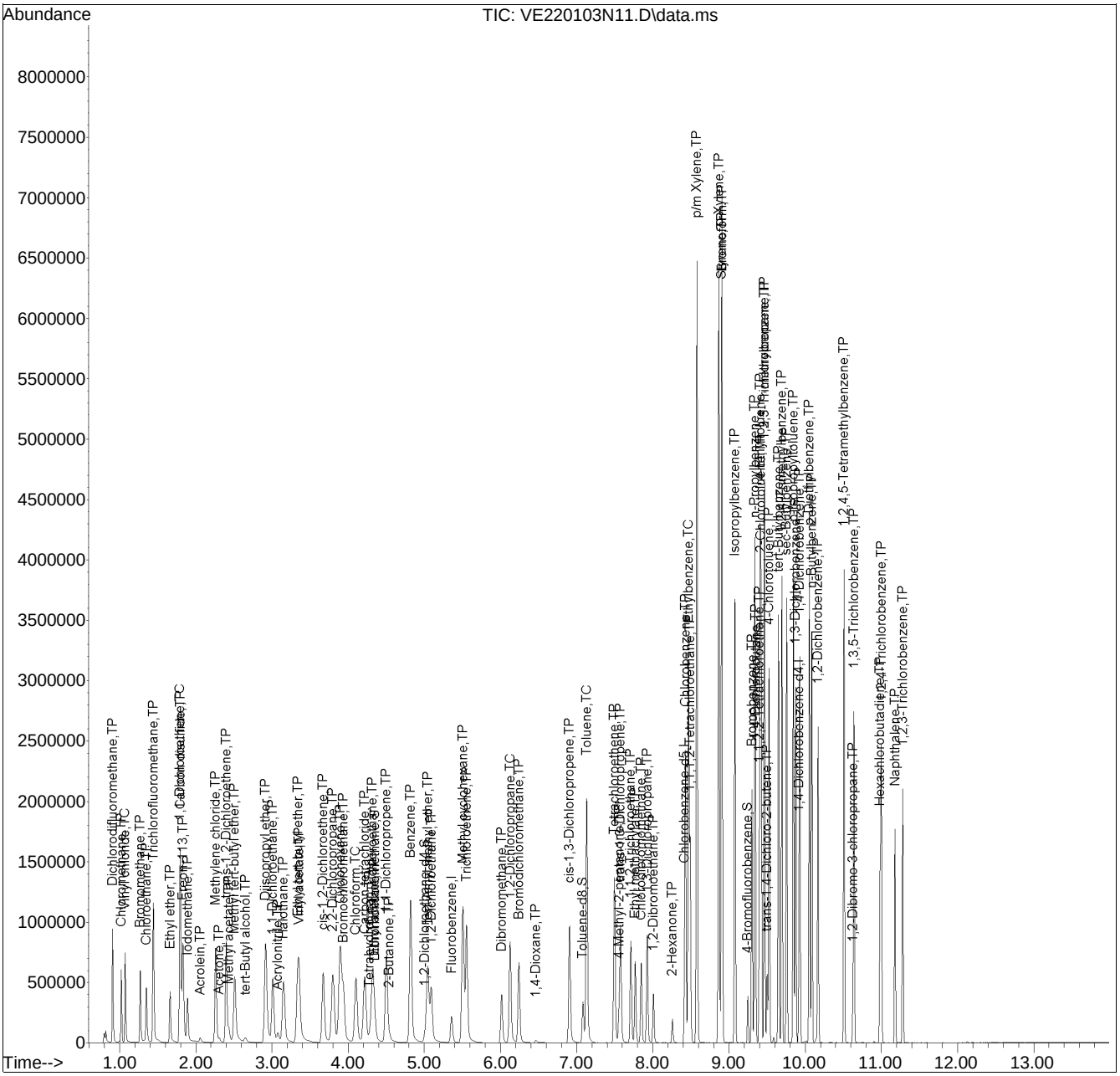
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N11.D
Acq On : 3 Jan 2022 11:39 pm
Operator : ELAINE:MKS
Sample : I8260STD80PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:05:37 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEAL\VE220103N09.D•

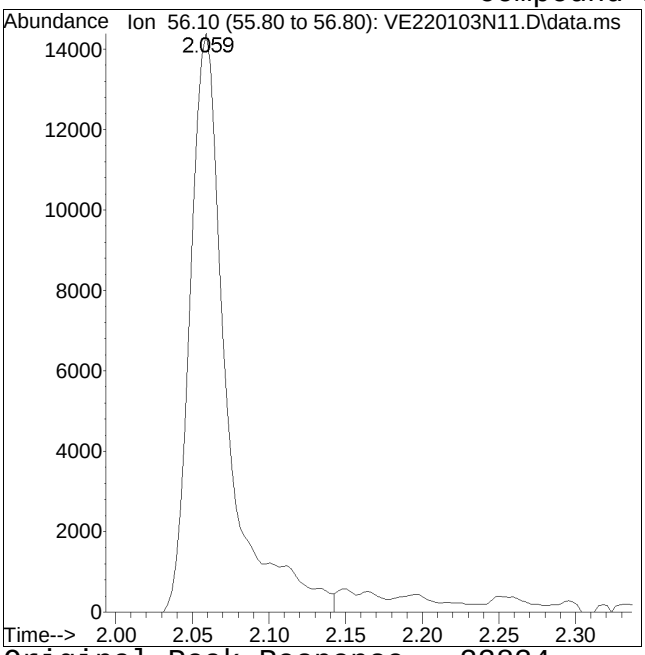


Manual Integration Report

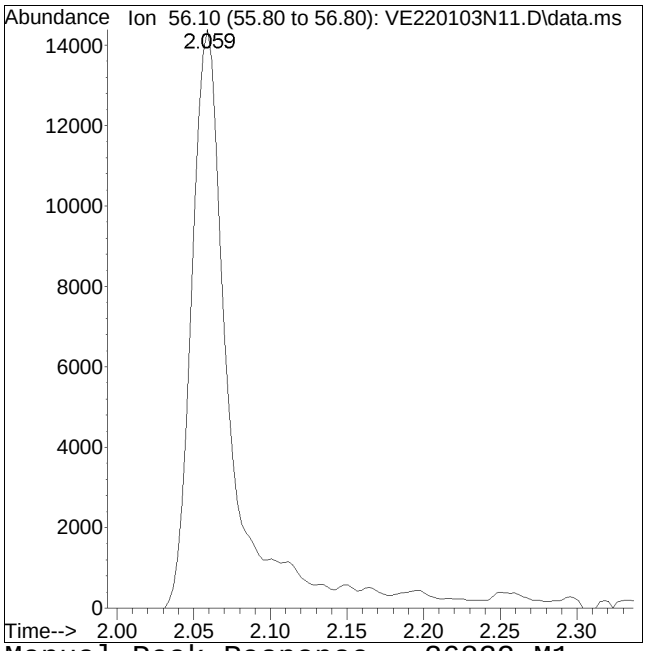
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N11.D
Date Inj'd : 1/3/2022 11:39 pm
Sample : I8260STD80PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 2:53 pm

Compound #14: Acrolein



Original Peak Response = 23834



Manual Peak Response = 26832 M1

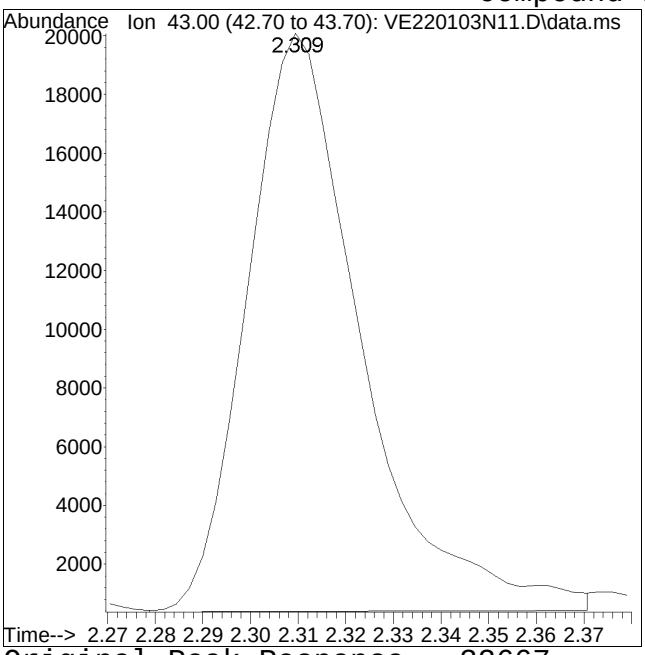
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

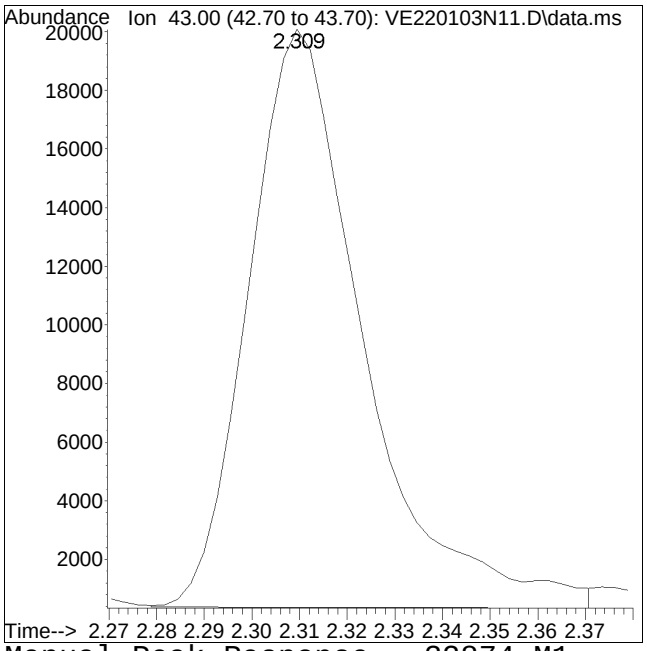
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N11.D
Date Inj'd : 1/3/2022 11:39 pm
Sample : I8260STD80PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 2:53 pm

Compound #17: Acetone



Original Peak Response = 32667



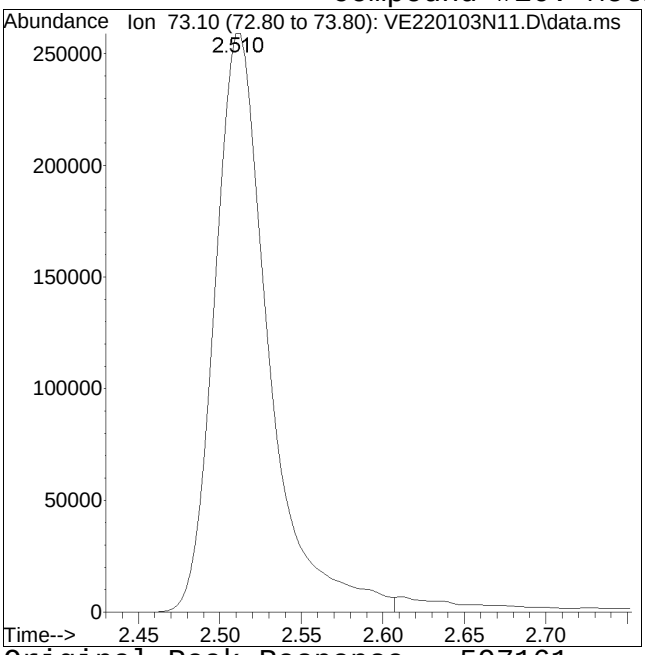
Manual Peak Response = 32874 M1

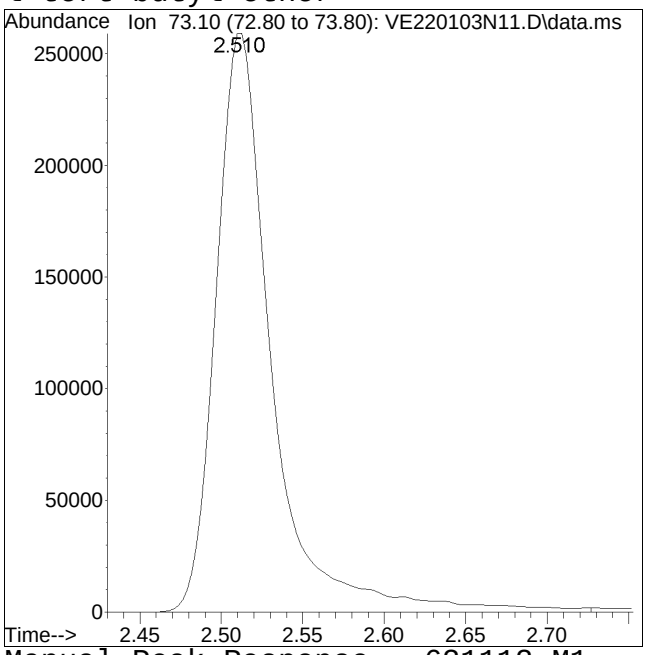
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N11.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:39 pm Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 1/4/2022 2:53 pm

Compound #20: Methyl tert-butyl ether



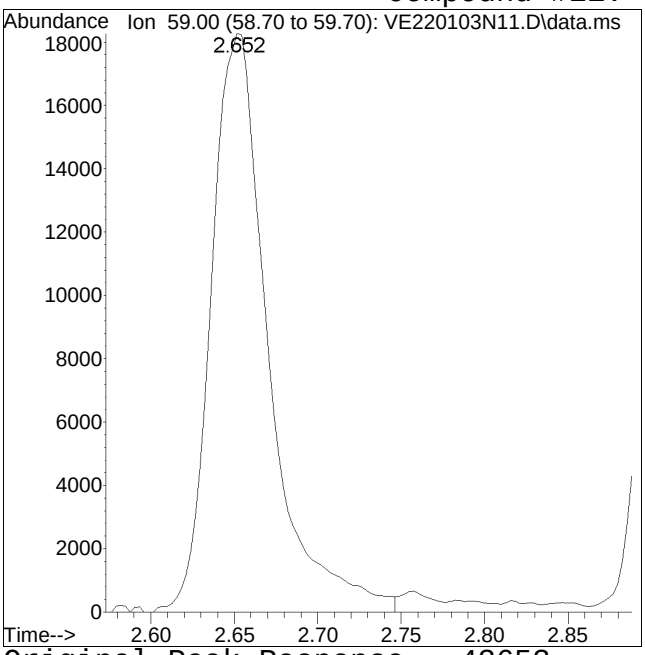


Original Peak Response = 597161 Manual Peak Response = 621112 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

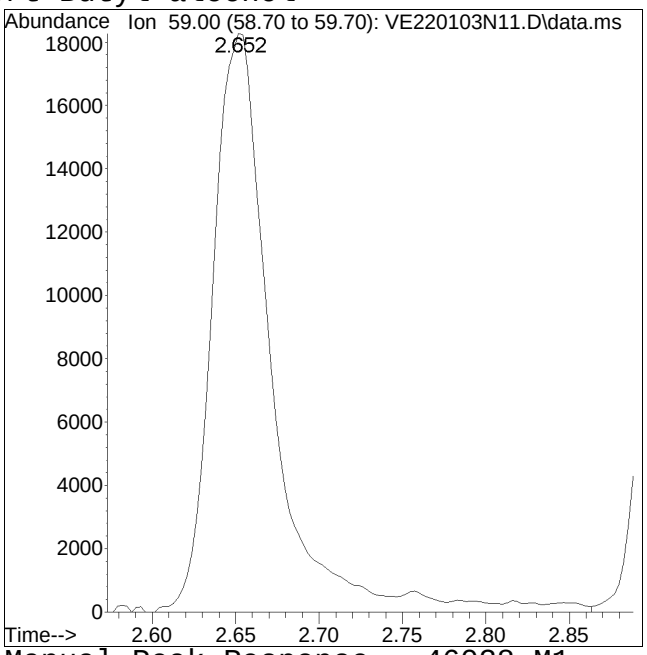
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N11.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:39 pm Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 1/4/2022 2:53 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 43653



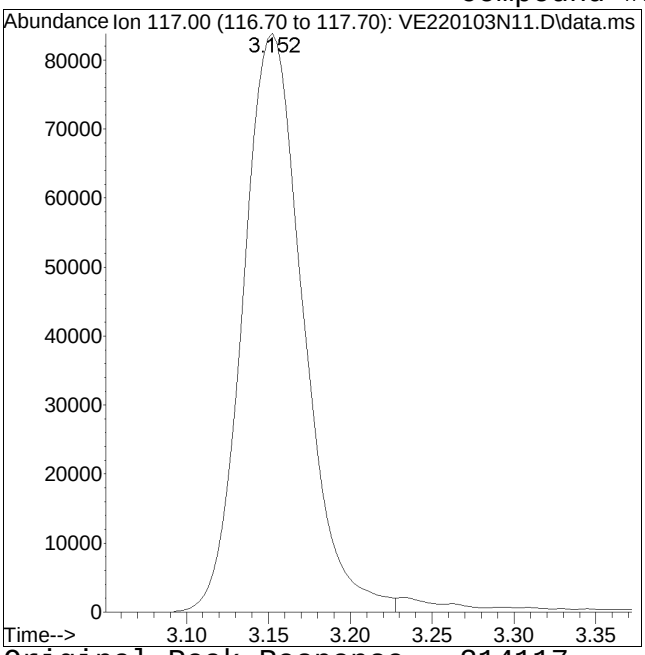
Manual Peak Response = 46038 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

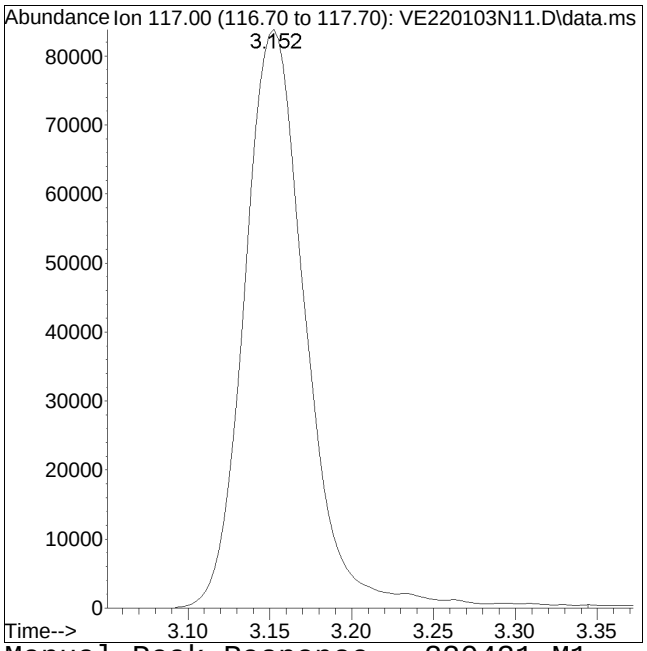
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N11.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:39 pm Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 1/4/2022 2:53 pm

Compound #24: Halothane



Original Peak Response = 214117



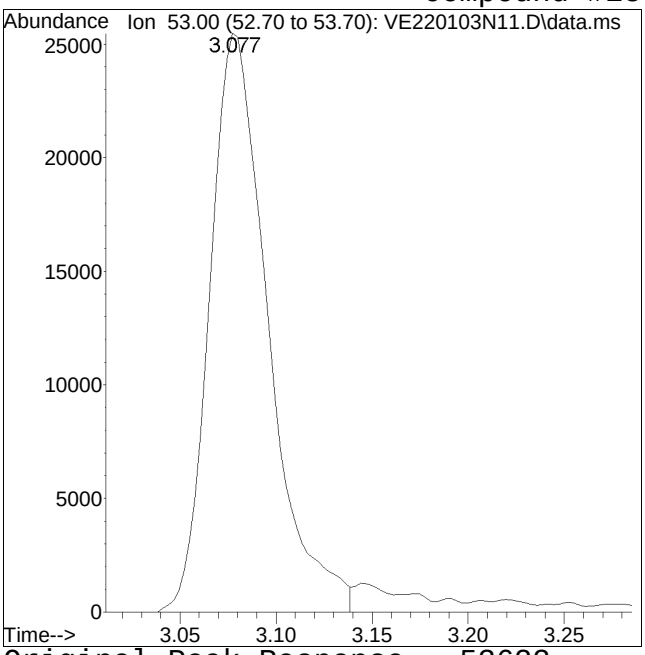
Manual Peak Response = 220431 M1

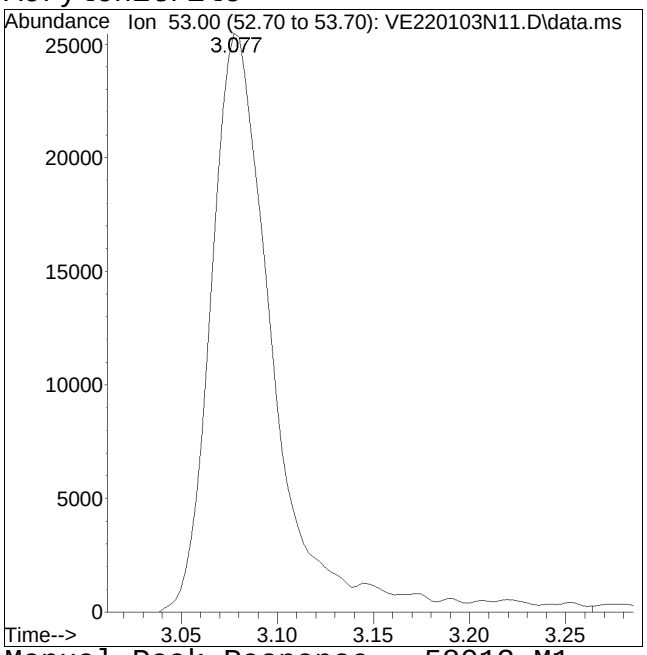
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N11.D Operator : ELAINE:MKS
Date Inj'd : 1/3/2022 11:39 pm Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 1/4/2022 2:53 pm

Compound #25: Acrylonitrile





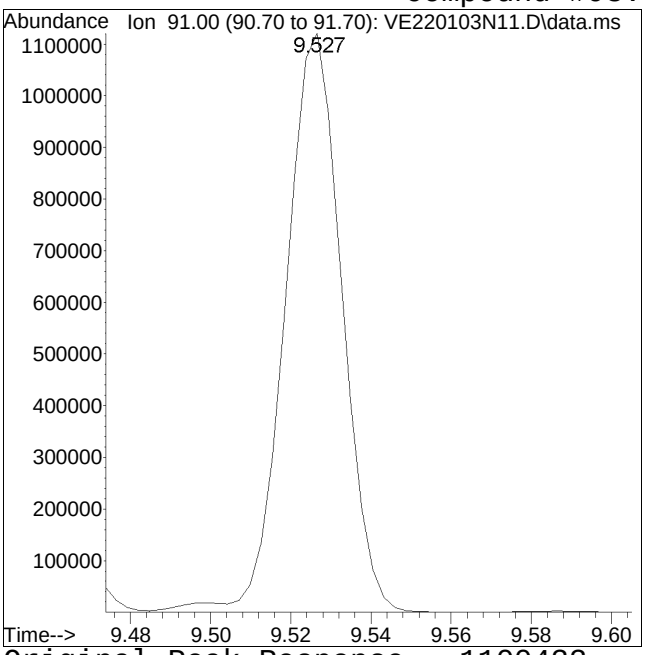
Original Peak Response = 53622 Manual Peak Response = 58013 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

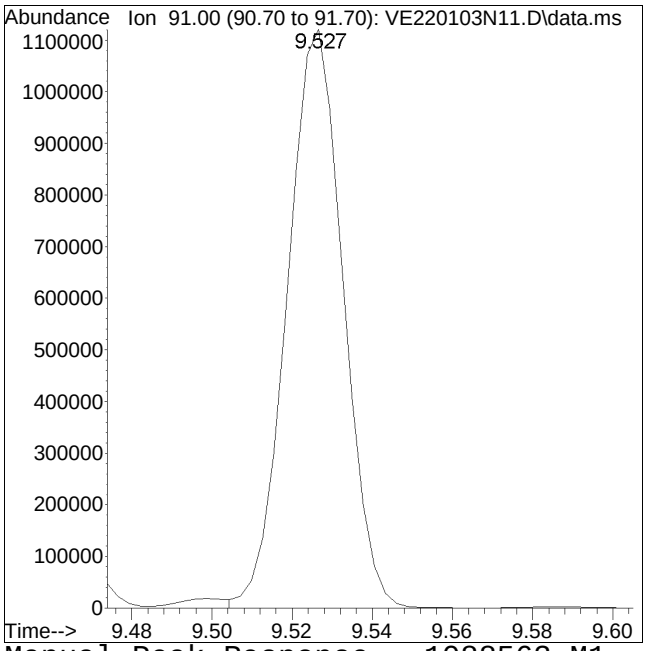
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N11.D
Date Inj'd : 1/3/2022 11:39 pm
Sample : I8260STD80PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 2:53 pm

Compound #93: 4-Chlorotoluene



Original Peak Response = 1100433



Manual Peak Response = 1088563 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N12.D
Acq On : 3 Jan 2022 11:58 pm
Operator : ELAINE:MKS
Sample : I8260STD120PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:04:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.359	96	218425	10.000	ug/L	0.00
Standard Area 1 = 186998			Recovery = 116.81%			
59) Chlorobenzene-d5	8.416	117	166181	10.000	ug/L	0.00
Standard Area 1 = 138211			Recovery = 120.24%			
79) 1,4-Dichlorobenzene-d4	9.922	152	94748	10.000	ug/L	0.00
Standard Area 1 = 74028			Recovery = 127.99%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.352	113	50687	9.475	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.75%			
43) 1,2-Dichloroethane-d4	5.005	65	56496	10.132	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.32%			
60) Toluene-d8	7.084	98	210562	9.221	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.21%			
83) 4-Bromofluorobenzene	9.248	95	78957	9.771	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.71%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.907	85	660259	102.949	ug/L	99
3) Chloromethane	1.021	50	483673	101.359	ug/L	100
4) Vinyl chloride	1.074	62	558722	101.516	ug/L	94
5) Bromomethane	1.272	94	348846	123.851	ug/L	98
6) Chloroethane	1.350	64	360469	97.973	ug/L	95
7) Trichlorofluoromethane	1.441	101	908932	106.143	ug/L	97
8) Ethyl ether	1.661	74	206947	103.331	ug/L	67
10) 1,1-Dichloroethene	1.792	96	407028	103.920	ug/L #	64
11) Carbon disulfide	1.798	76	1073040	107.196	ug/L	99
12) Freon-113	1.831	101	415193	101.191	ug/L	99
13) Iodomethane	1.892	142	479956	196.255	ug/L	83
14) Acrolein	2.059	56	38876M1	113.592	ug/L	
15) Methylene chloride	2.262	84	434150	100.697	ug/L	71
17) Acetone	2.309	43	53868	104.765	ug/L	100
18) trans-1,2-Dichloroethene	2.399	96	439596	108.780	ug/L	74
19) Methyl acetate	2.432	43	156045	103.521	ug/L #	91
20) Methyl tert-butyl ether	2.510	73	989488	112.837	ug/L	94
21) tert-Butyl alcohol	2.652	59	75474M1	574.354	ug/L	
22) Diisopropyl ether	2.916	45	1377561	116.091	ug/L #	89
23) 1,1-Dichloroethane	3.011	63	819126	106.815	ug/L	99
24) Halothane	3.152	117	344596	114.663	ug/L	99

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N12.D
Acq On : 3 Jan 2022 11:58 pm
Operator : ELAINE:MKS
Sample : I8260STD120PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:04:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.080	53	89924	105.663	ug/L		94
26) Ethyl tert-butyl ether	3.342	59	1188702	118.524	ug/L		89
27) Vinyl acetate	3.358	43	816142	126.986	ug/L	#	94
28) cis-1,2-Dichloroethene	3.673	96	483402	100.094	ug/L	#	69
29) 2,2-Dichloropropane	3.801	77	735525	107.195	ug/L		99
30) Bromochloromethane	3.940	128	211165	114.051	ug/L	#	60
31) Cyclohexane	3.898	56	805889	102.543	ug/L	#	61
32) Chloroform	4.101	83	805101	111.746	ug/L		97
33) Ethyl acetate	4.346	43	220278	114.197	ug/L	#	92
34) Carbon tetrachloride	4.218	117	637512	121.256	ug/L		99
35) Tetrahydrofuran	4.279	42	60454	98.004	ug/L	#	65
37) 1,1,1-Trichloroethane	4.321	97	731551	116.297	ug/L	#	94
39) 2-Butanone	4.541	43	90503	123.260	ug/L	#	75
40) 1,1-Dichloropropene	4.502	75	638473	111.517	ug/L		95
41) Benzene	4.822	78	1948991	118.211	ug/L	#	89
42) tert-Amyl methyl ether	5.044	73	1089887	127.091	ug/L	#	85
44) 1,2-Dichloroethane	5.092	62	535282	119.802	ug/L		98
47) Methyl cyclohexane	5.506	83	856376	120.127	ug/L	#	67
48) Trichloroethene	5.554	95	474363	112.909	ug/L		94
50) Dibromomethane	6.015	93	240191	114.776	ug/L		95
51) 1,2-Dichloropropane	6.127	63	465518	107.440	ug/L		96
54) Bromodichloromethane	6.241	83	634274	117.102	ug/L		98
57) 1,4-Dioxane	6.469	88	14763	981.891	ug/L	#	76
58) cis-1,3-Dichloropropene	6.906	75	757544	124.300	ug/L		94
61) Toluene	7.131	92	1233695	113.899	ug/L		98
62) 4-Methyl-2-pentanone	7.557	58	85509	112.473	ug/L	#	88
63) Tetrachloroethene	7.496	166	522348	117.636	ug/L		91
65) trans-1,3-Dichloropropene	7.576	75	620319	121.931	ug/L		96
67) Ethyl methacrylate	7.768	69	401995	109.571	ug/L		99
68) 1,1,2-Trichloroethane	7.710	83	274828	115.586	ug/L		94
69) Chlorodibromomethane	7.846	129	417265	125.929	ug/L		98
70) 1,3-Dichloropropane	7.927	76	592316	113.036	ug/L		99
71) 1,2-Dibromoethane	8.008	107	324308	117.716	ug/L		100
72) 2-Hexanone	8.258	43	139157	99.617	ug/L		96
73) Chlorobenzene	8.428	112	1320699	115.804	ug/L		90
74) Ethylbenzene	8.469	91	2413768	115.006	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.489	131	506951	133.782	ug/L		95
76) p/m Xylene	8.578	106	1950177	242.773	ug/L		89
77) o Xylene	8.867	106	1858394	242.095	ug/L		83
78) Styrene	8.906	104	3088259	245.307	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N12.D
Acq On : 3 Jan 2022 11:58 pm
Operator : ELAINE:MKS
Sample : I8260STD120PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:04:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	8.912	173	296590	158.578	ug/L		97
82) Isopropylbenzene	9.079	105	2467672	112.359	ug/L		94
84) Bromobenzene	9.301	156	575930	116.760	ug/L		98
85) n-Propylbenzene	9.340	91	2784049	106.547	ug/L		92
86) 1,4-Dichlorobutane	9.349	55	548430	103.669	ug/L		96
87) 1,1,2,2-Tetrachloroethane	9.399	83	361026	107.963	ug/L		97
88) 4-Ethyltoluene	9.410	105	2373481	112.304	ug/L		93
89) 2-Chlorotoluene	9.424	91	1934679	111.346	ug/L		91
90) 1,3,5-Trimethylbenzene	9.465	105	2031288	111.706	ug/L		88
91) 1,2,3-Trichloropropane	9.465	75	303294	114.660	ug/L		99
92) trans-1,4-Dichloro-2-b...	9.499	53	97874	99.740	ug/L	#	55
93) 4-Chlorotoluene	9.527	91	1702559	110.037	ug/L		90
94) tert-Butylbenzene	9.652	119	1738291	114.605	ug/L		96
97) 1,2,4-Trimethylbenzene	9.694	105	2004164	113.269	ug/L		90
98) sec-Butylbenzene	9.758	105	2521650	107.863	ug/L		94
99) p-Isopropyltoluene	9.844	119	2192045	113.936	ug/L		95
100) 1,3-Dichlorobenzene	9.874	146	1142370	118.531	ug/L		98
101) 1,4-Dichlorobenzene	9.930	146	1109041	115.405	ug/L		97
102) p-Diethylbenzene	10.055	119	1309118	117.240	ug/L		94
103) n-Butylbenzene	10.086	91	1855813	108.008	ug/L		95
104) 1,2-Dichlorobenzene	10.169	146	1017586	114.700	ug/L		97
105) 1,2,4,5-Tetramethylben...	10.512	119	2080321	122.993	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.626	155	56983	140.270	ug/L		92
107) 1,3,5-Trichlorobenzene	10.640	180	838780	127.478	ug/L		94
108) Hexachlorobutadiene	10.985	225	304895	130.846	ug/L		95
109) 1,2,4-Trichlorobenzene	10.998	180	694376	130.969	ug/L		98
110) Naphthalene	11.179	128	1323751	130.313	ug/L		100
111) 1,2,3-Trichlorobenzene	11.282	180	599584	132.988	ug/L		98

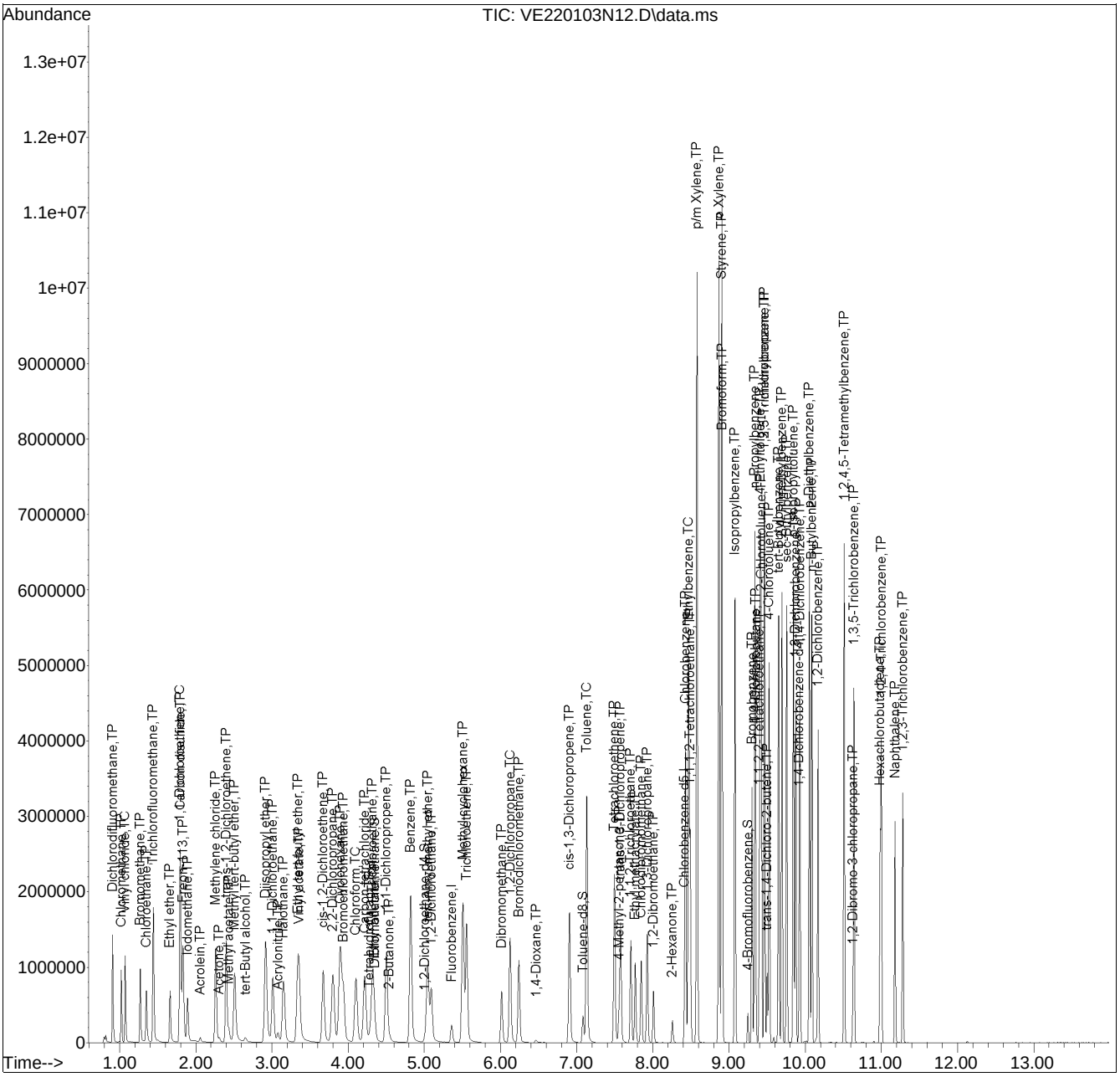
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N12.D
Acq On : 3 Jan 2022 11:58 pm
Operator : ELAINE:MKS
Sample : I8260STD120PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:04:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEAL\VE220103N09.D•

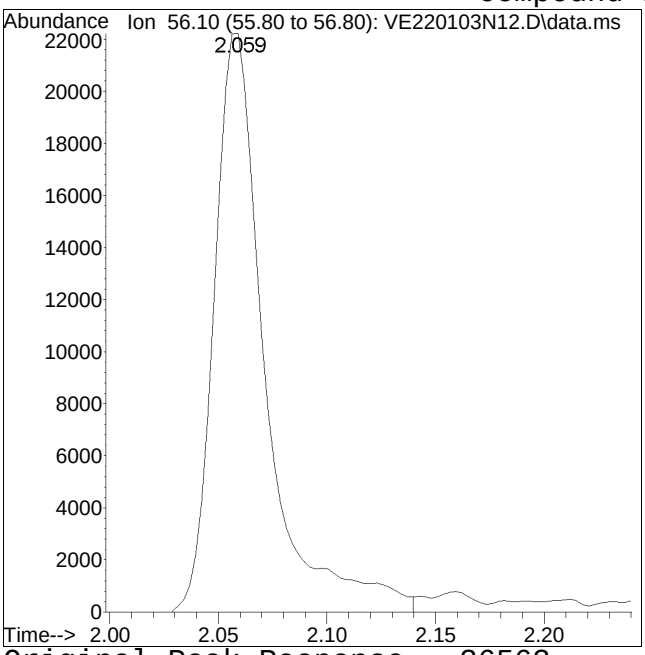


Manual Integration Report

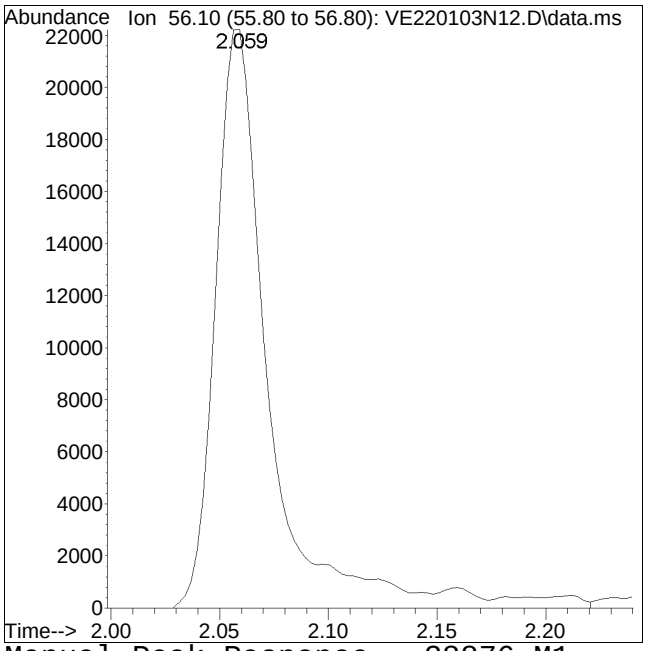
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N12.D
Date Inj'd : 1/3/2022 11:58 pm
Sample : I8260STD120PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 2:53 pm

Compound #14: Acrolein



Original Peak Response = 36563



Manual Peak Response = 38876 M1

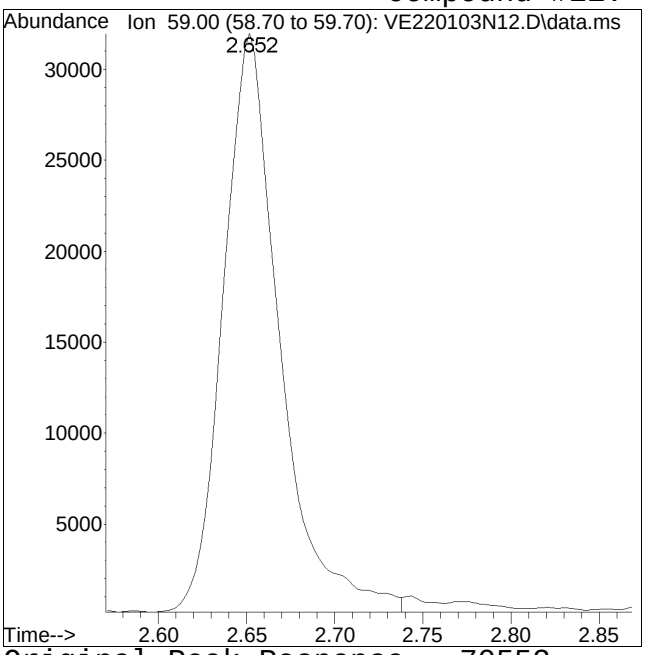
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

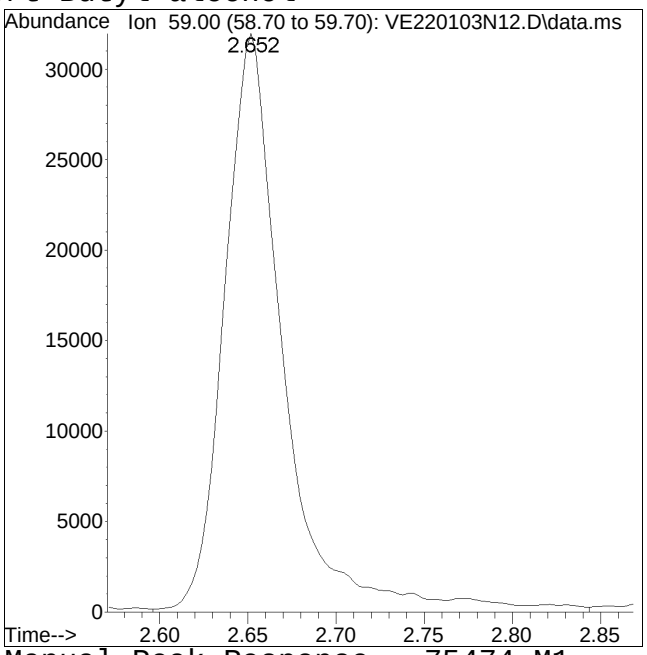
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N12.D
Date Inj'd : 1/3/2022 11:58 pm
Sample : I8260STD120PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 2:53 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 70552



Manual Peak Response = 75474 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N13.D
Acq On : 4 Jan 2022 12:17 am
Operator : ELAINE:MKS
Sample : I8260STD200PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:05:10 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.359	96	230999	10.000	ug/L	0.00
Standard Area 1 = 186998			Recovery = 123.53%			
59) Chlorobenzene-d5	8.417	117	175462	10.000	ug/L	0.00
Standard Area 1 = 138211			Recovery = 126.95%			
79) 1,4-Dichlorobenzene-d4	9.922	152	99782	10.000	ug/L	0.00
Standard Area 1 = 74028			Recovery = 134.79%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.352	113	52699	9.315	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.15%			
43) 1,2-Dichloroethane-d4	5.006	65	58619	9.940	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.40%			
60) Toluene-d8	7.084	98	219714	9.113	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.13%			
83) 4-Bromofluorobenzene	9.248	95	78856	9.266	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.907	85	1128837	166.430	ug/L	99
3) Chloromethane	1.021	50	829584	164.385	ug/L	100
4) Vinyl chloride	1.074	62	953161	163.756	ug/L	95
5) Bromomethane	1.272	94	614042	206.137	ug/L	98
6) Chloroethane	1.350	64	613326	157.624	ug/L	95
7) Trichlorofluoromethane	1.442	101	1581713	174.654	ug/L	98
8) Ethyl ether	1.661	74	359816	169.881	ug/L	65
10) 1,1-Dichloroethene	1.792	96	733992	177.198	ug/L #	64
11) Carbon disulfide	1.800	76	1849556	174.712	ug/L	95
12) Freon-113	1.831	101	738031	170.083	ug/L	98
13) Iodomethane	1.892	142	862268	333.392	ug/L	83
14) Acrolein	2.059	56	65445M1	180.816	ug/L	
15) Methylene chloride	2.262	84	754411	165.455	ug/L	70
17) Acetone	2.310	43	91314	167.925	ug/L	100
18) trans-1,2-Dichloroethene	2.399	96	790199	184.895	ug/L	74
19) Methyl acetate	2.432	43	264059	165.642	ug/L #	88
20) Methyl tert-butyl ether	2.510	73	1715757	185.007	ug/L	93
21) tert-Butyl alcohol	2.652	59	130507M1	939.092	ug/L	
22) Diisopropyl ether	2.919	45	2359057	187.983	ug/L #	89
23) 1,1-Dichloroethane	3.011	63	1420549	175.157	ug/L	97
24) Halothane	3.150	117	608064	191.317	ug/L	99

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N13.D
Acq On : 4 Jan 2022 12:17 am
Operator : ELAINE:MKS
Sample : I8260STD200PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:05:10 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.080	53	149727	166.356	ug/L		96
26) Ethyl tert-butyl ether	3.342	59	2070362	195.197	ug/L		89
27) Vinyl acetate	3.358	43	1397907	205.665	ug/L	#	93
28) cis-1,2-Dichloroethene	3.673	96	863172	169.002	ug/L	#	68
29) 2,2-Dichloropropane	3.801	77	1294914	178.448	ug/L		99
30) Bromochloromethane	3.940	128	371301	189.625	ug/L	#	57
31) Cyclohexane	3.898	56	1396683	168.043	ug/L	#	59
32) Chloroform	4.101	83	1425656	187.107	ug/L		97
33) Ethyl acetate	4.343	43	362827	177.858	ug/L	#	92
34) Carbon tetrachloride	4.218	117	1138826	204.817	ug/L		99
35) Tetrahydrofuran	4.279	42	103433M1	158.551	ug/L		
37) 1,1,1-Trichloroethane	4.321	97	1283974	193.007	ug/L	#	94
39) 2-Butanone	4.538	43	155704	200.517	ug/L	#	54
40) 1,1-Dichloropropene	4.502	75	1124743	185.756	ug/L		96
41) Benzene	4.822	78	3337906	191.432	ug/L		89
42) tert-Amyl methyl ether	5.045	73	1847490	203.707	ug/L	#	85
44) 1,2-Dichloroethane	5.092	62	919392	194.569	ug/L		97
47) Methyl cyclohexane	5.509	83	1433979	190.201	ug/L	#	66
48) Trichloroethene	5.554	95	839024	188.836	ug/L		94
50) Dibromomethane	6.016	93	402749	181.979	ug/L		94
51) 1,2-Dichloropropane	6.127	63	795768	173.664	ug/L		97
54) Bromodichloromethane	6.241	83	1098399	191.752	ug/L		98
57) 1,4-Dioxane	6.466	88	24809	1560.235	ug/L	#	71
58) cis-1,3-Dichloropropene	6.909	75	1297823	201.359	ug/L		93
61) Toluene	7.134	92	2159269	188.807	ug/L		95
62) 4-Methyl-2-pentanone	7.557	58	140768	175.364	ug/L	#	88
63) Tetrachloroethene	7.496	166	915043	195.174	ug/L		90
65) trans-1,3-Dichloropropene	7.576	75	1048968	195.280	ug/L		96
67) Ethyl methacrylate	7.771	69	672527	173.614	ug/L		99
68) 1,1,2-Trichloroethane	7.710	83	460405	183.393	ug/L		93
69) Chlorodibromomethane	7.849	129	727729	208.009	ug/L		97
70) 1,3-Dichloropropane	7.927	76	991505	179.208	ug/L		99
71) 1,2-Dibromoethane	8.008	107	547203	188.116	ug/L		100
72) 2-Hexanone	8.255	43	227659	154.352	ug/L		96
73) Chlorobenzene	8.428	112	2294615	190.558	ug/L		89
74) Ethylbenzene	8.469	91	3959272	178.665	ug/L		93
75) 1,1,1,2-Tetrachloroethane	8.492	131	887904	221.919	ug/L		96
76) p/m Xylene	8.581	106	3213996	378.940	ug/L		82
77) o Xylene	8.867	106	3052832	376.660	ug/L		76
78) Styrene	8.906	104	4815426	362.267	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N13.D
Acq On : 4 Jan 2022 12:17 am
Operator : ELAINE:MKS
Sample : I8260STD200PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:05:10 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	8.912	173	499687	253.689	ug/L		96
82) Isopropylbenzene	9.079	105	3885425	167.988	ug/L		91
84) Bromobenzene	9.301	156	964608	185.692	ug/L		97
85) n-Propylbenzene	9.340	91	4335523	157.552	ug/L	#	89
86) 1,4-Dichlorobutane	9.349	55	893199	160.323	ug/L		96
87) 1,1,2,2-Tetrachloroethane	9.399	83	589895	167.505	ug/L		98
88) 4-Ethyltoluene	9.410	105	3772923	169.513	ug/L		91
89) 2-Chlorotoluene	9.424	91	3146842	171.973	ug/L		91
90) 1,3,5-Trimethylbenzene	9.465	105	3275865	171.060	ug/L		87
91) 1,2,3-Trichloropropane	9.465	75	497562	178.613	ug/L		99
92) trans-1,4-Dichloro-2-b...	9.499	53	170675	165.154	ug/L	#	60
93) 4-Chlorotoluene	9.527	91	2785274M3	170.931	ug/L		
94) tert-Butylbenzene	9.652	119	2824394	176.817	ug/L		95
97) 1,2,4-Trimethylbenzene	9.694	105	3281453	176.102	ug/L		88
98) sec-Butylbenzene	9.758	105	3927363	159.518	ug/L		91
99) p-Isopropyltoluene	9.847	119	3503810	172.930	ug/L		94
100) 1,3-Dichlorobenzene	9.874	146	1953489	192.466	ug/L		98
101) 1,4-Dichlorobenzene	9.930	146	1916402	189.358	ug/L		97
102) p-Diethylbenzene	10.055	119	2175651	185.013	ug/L		94
103) n-Butylbenzene	10.089	91	2948640	162.952	ug/L	#	94
104) 1,2-Dichlorobenzene	10.169	146	1754323	187.767	ug/L		98
105) 1,2,4,5-Tetramethylben...	10.512	119	3396465	190.675	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.626	155	99977	233.688	ug/L		92
107) 1,3,5-Trichlorobenzene	10.642	180	1429737	206.329	ug/L		93
108) Hexachlorobutadiene	10.985	225	491297	200.204	ug/L		96
109) 1,2,4-Trichlorobenzene	10.999	180	1191824	213.454	ug/L		98
110) Naphthalene	11.179	128	2178308	203.619	ug/L		100
111) 1,2,3-Trichlorobenzene	11.282	180	1022295	215.306	ug/L		99

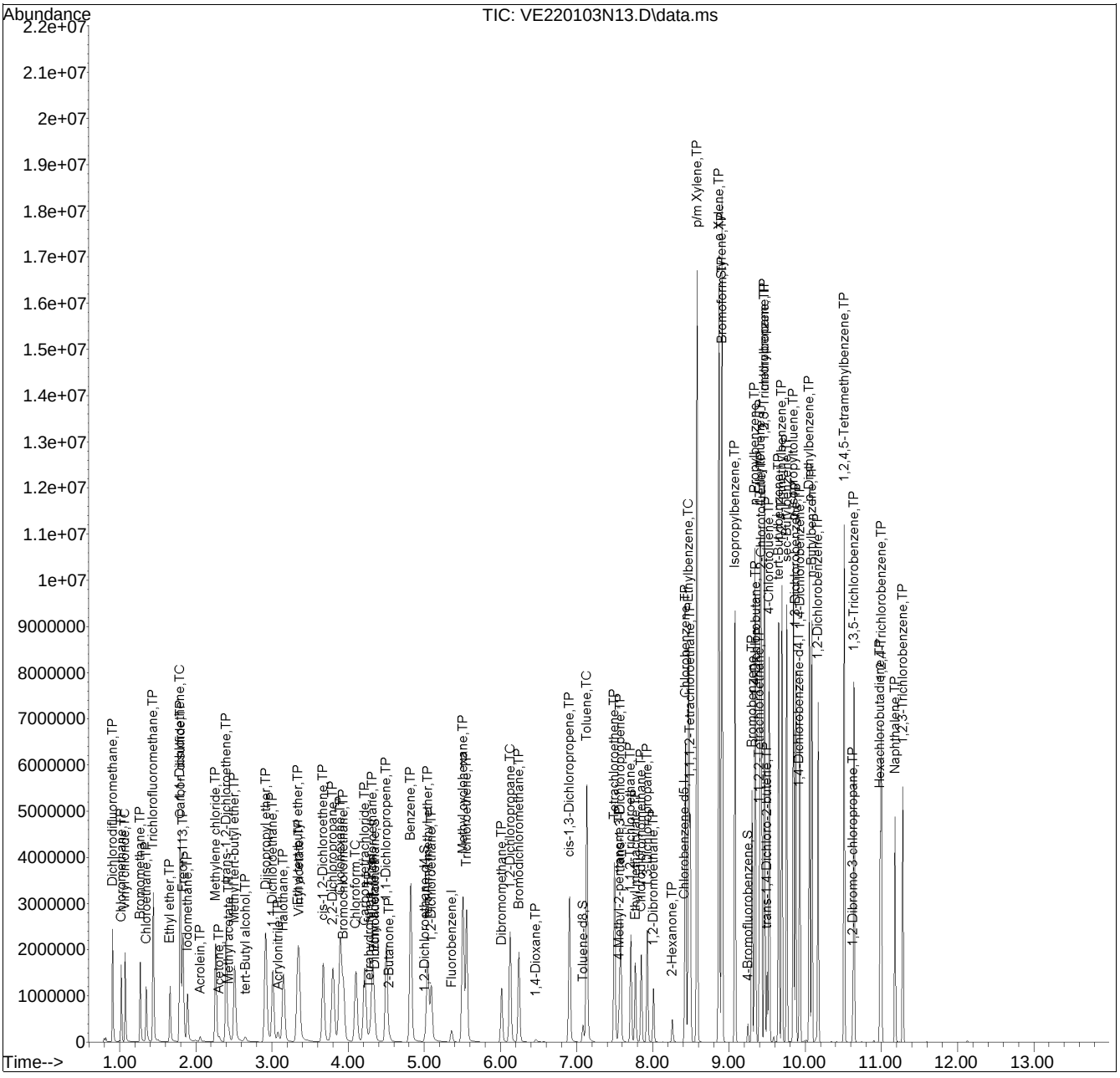
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N13.D
Acq On : 4 Jan 2022 12:17 am
Operator : ELAINE:MKS
Sample : I8260STD200PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:05:10 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 14:52:24 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEAL\VE220103N09.D•

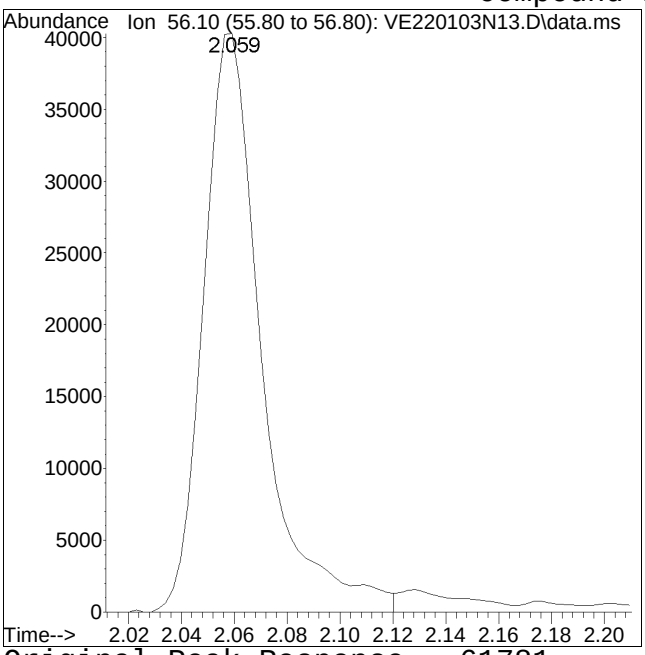


Manual Integration Report

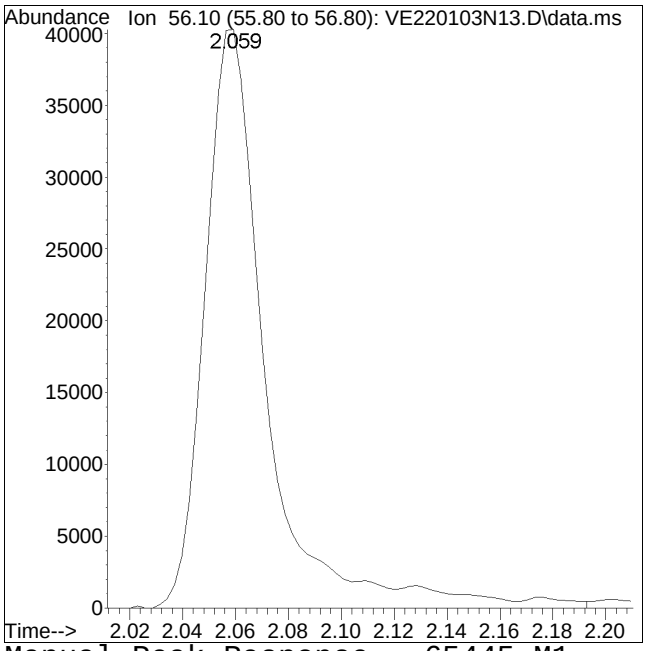
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N13.D
Date Inj'd : 1/4/2022 12:17 am
Sample : I8260STD200PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 2:53 pm

Compound #14: Acrolein



Original Peak Response = 61781



Manual Peak Response = 65445 M1

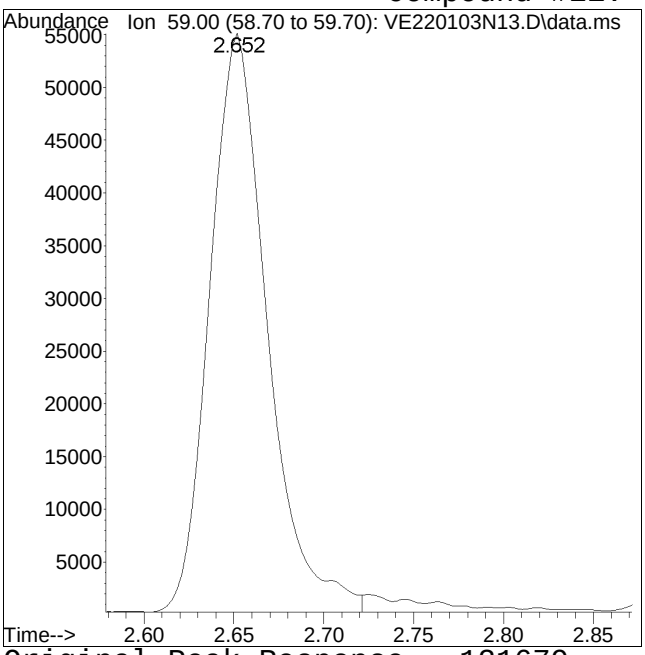
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

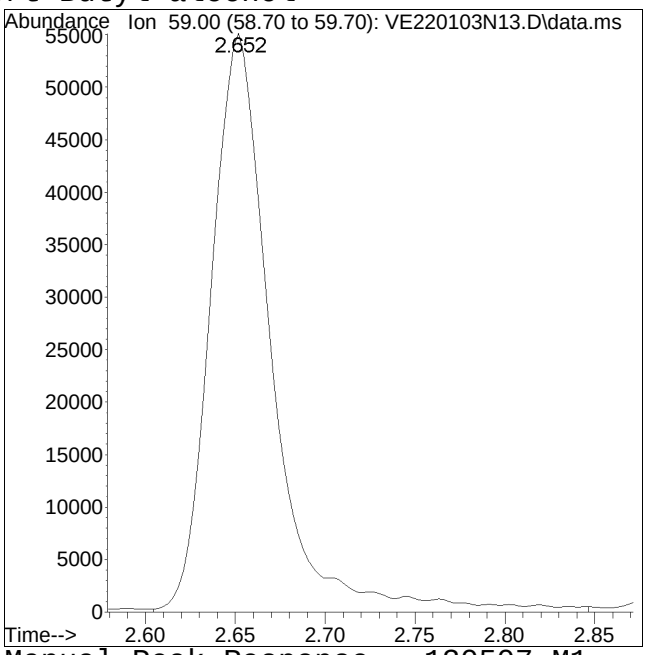
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N13.D
Date Inj'd : 1/4/2022 12:17 am
Sample : I8260STD200PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 2:53 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 121679



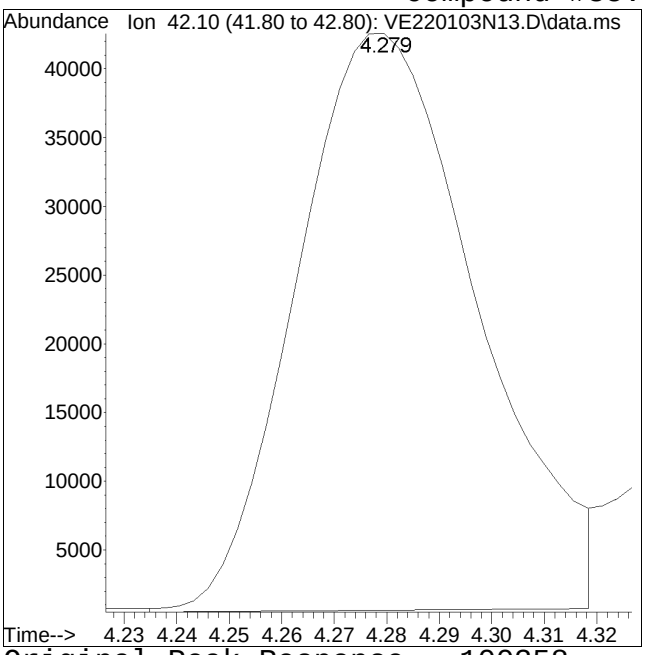
Manual Peak Response = 130507 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

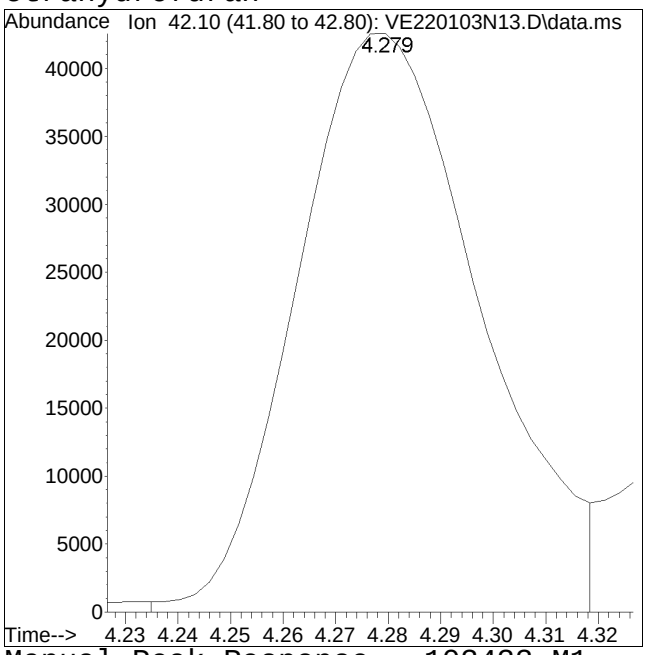
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N13.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 12:17 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 1/4/2022 2:53 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 100358



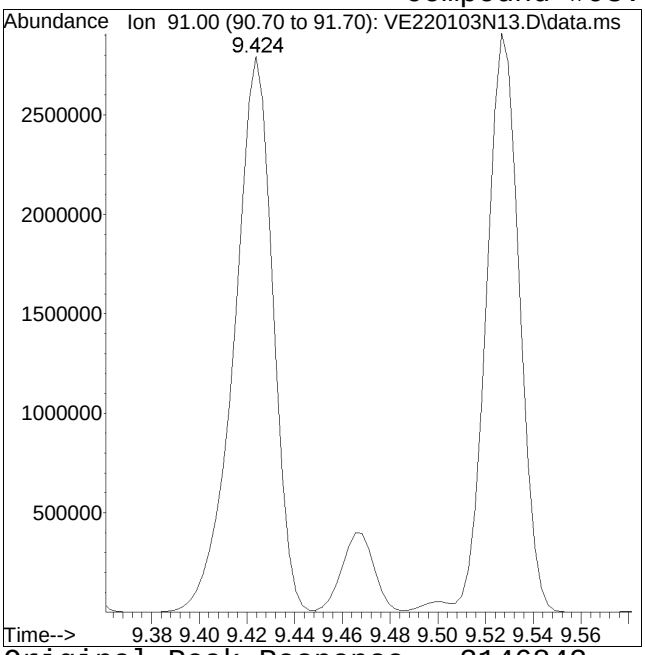
Manual Peak Response = 103433 M1

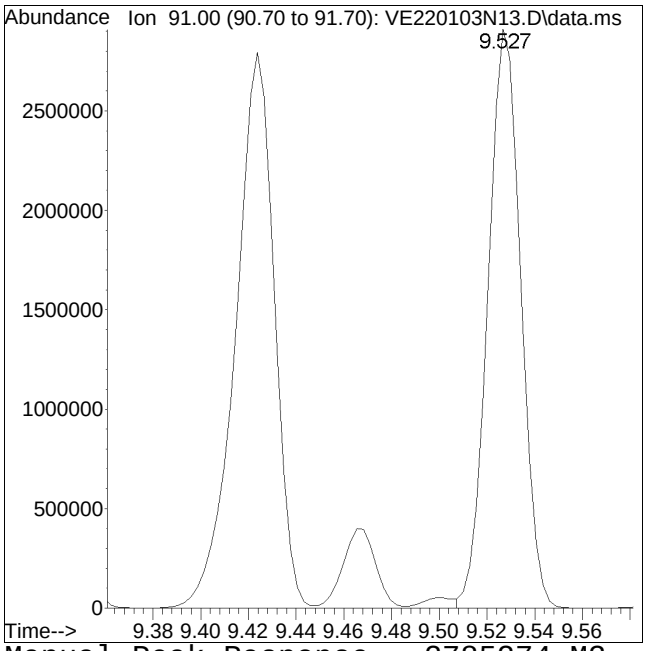
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N13.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 12:17 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 1/4/2022 2:53 pm

Compound #93: 4-Chlorotoluene





Original Peak Response = 3146842 Manual Peak Response = 2785274 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N20.D
Acq On : 4 Jan 2022 2:31 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:40:55 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	90	0.00
2	TP	Dichlorodifluoromethane	0.254	0.274	-7.9	84	0.00
3	TP	Chloromethane	0.191	0.246	-28.8#	101	0.00
4	TC	Vinyl chloride	0.215	0.253	-17.7	90	0.00
5	TP	Bromomethane	0.124	0.152	-22.6#	106	0.00
6	TP	Chloroethane	0.145	0.176	-21.4#	94	0.00
7	TP	Trichlorofluoromethane	0.348	0.389	-11.8	89	0.00
8	TP	Ethyl ether	0.078	0.075	3.8	74	0.00
10	TC	1,1-Dichloroethene	0.157	0.179	-14.0	90	0.00
11	TP	Carbon disulfide	0.398	0.417	-4.8	82	0.00
12	TP	Freon-113	0.157	0.168	-7.0	80	0.00
13	TP	Iodomethane	* 10.000	8.216	17.8	85	0.00
14	TP	Acrolein	0.016	0.012	25.0#	67	0.00
15	TP	Methylene chloride	0.174	0.176	-1.1	80	0.00
17	TP	Acetone	* 10.000	7.728	22.7#	77	0.00
18	TP	trans-1,2-Dichloroethene	0.170	0.198	-16.5	96	0.00
19	TP	Methyl acetate	0.063	0.049	22.2#	64	0.00
20	TP	Methyl tert-butyl ether	0.360	0.306	15.0	69	0.00
21	TP	tert-Butyl alcohol	0.00573	0.00464#	19.0	69	0.00
22	TP	Diisopropyl ether	0.503	0.475	5.6	79	0.00
23	TP	1,1-Dichloroethane	0.318	0.352	-10.7	90	0.00
24	TP	Halothane	0.129	0.145	-12.4	95	0.00
25	TP	Acrylonitrile	0.036	0.029	19.4	66	0.00
26	TP	Ethyl tert-butyl ether	0.439	0.400	8.9	78	0.00
27	TP	Vinyl acetate	0.292	0.235	19.5	72	0.00
28	TP	cis-1,2-Dichloroethene	0.189	0.203	-7.4	83	0.00
29	TP	2,2-Dichloropropane	0.276	0.305	-10.5	87	0.00
30	TP	Bromochloromethane	0.080	0.076#	5.0	81	0.00
31	TP	Cyclohexane	0.308	0.296	3.9	74	0.00
32	TC	Chloroform	0.309	0.331	-7.1	90	0.00
33	TP	Ethyl acetate	0.083	0.067	19.3	68	0.00
34	TP	Carbon tetrachloride	0.226	0.221	2.2	83	0.00
35	TP	Tetrahydrofuran	0.025	0.022	12.0	71	0.01
36	S	Dibromofluoromethane	0.235	0.231	1.7	85	0.00
37	TP	1,1,1-Trichloroethane	0.268	0.293	-9.3	92	0.00
39	TP	2-Butanone	0.036	0.026	27.8#	70	-0.01
40	TP	1,1-Dichloropropene	0.228	0.240	-5.3	82	0.00
41	TP	Benzene	0.699	0.755	-8.0	90	0.00
42	TP	tert-Amyl methyl ether	0.383	0.317	17.2	72	0.00

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N20.D
Acq On : 4 Jan 2022 2:31 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:40:55 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.251	0.236	6.0	83	0.00
44	TP	1,2-Dichloroethane	0.197	0.185	6.1	81	0.00
47	TP	Methyl cyclohexane	0.299	0.279	6.7	77	0.00
48	TP	Trichloroethene	0.178	0.195#	-9.6	91	0.00
50	TP	Dibromomethane	0.088	0.076	13.6	72	0.00
51	TC	1,2-Dichloropropane	0.174	0.175	-0.6	79	0.00
54	TP	Bromodichloromethane	0.230	0.211#	8.3	76	0.00
57	TP	1,4-Dioxane	0.00057	0.00048#	15.8	63	0.00
58	TP	cis-1,3-Dichloropropene	0.257	0.239#	7.0	77	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
60	S	Toluene-d8	1.325	1.375	-3.8	86	0.00
61	TC	Toluene	0.615	0.677	-10.1	90	0.00
62	TP	4-Methyl-2-pentanone	0.043	0.036	16.3	67	0.00
63	TP	Tetrachloroethene	0.249	0.270	-8.4	87	0.00
65	TP	trans-1,3-Dichloropropene	0.286	0.265#	7.3	75	0.00
67	TP	Ethyl methacrylate	0.202	0.167	17.3	65	0.00
68	TP	1,1,2-Trichloroethane	0.134	0.123#	8.2	74	0.00
69	TP	Chlorodibromomethane	0.189	0.169#	10.6	73	0.00
70	TP	1,3-Dichloropropane	0.287	0.266	7.3	73	0.00
71	TP	1,2-Dibromoethane	0.155	0.135#	12.9	71	0.00
72	TP	2-Hexanone	0.077	0.065	15.6	67	0.00
73	TP	Chlorobenzene	0.633	0.679	-7.3	85	0.00
74	TC	Ethylbenzene	1.165	1.281	-10.0	88	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.222	0.199	10.4	75	0.00
76	TP	p/m Xylene	0.449	0.480	-6.9	86	0.00
77	TP	o Xylene	0.425	0.461	-8.5	86	0.00
78	TP	Styrene	0.698	0.729	-4.4	83	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
80	TP	Bromoform	0.213	0.170	20.2#	71	0.00
82	TP	Isopropylbenzene	2.068	2.433	-17.6	87	0.00
83	S	4-Bromofluorobenzene	0.852	0.869	-2.0	84	0.00
84	TP	Bromobenzene	0.487	0.495	-1.6	78	0.00
85	TP	n-Propylbenzene	2.395	2.911	-21.5#	87	0.00
86	TP	1,4-Dichlorobutane	0.506	0.472	6.7	70	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.320	0.294	8.1	69	0.00
88	TP	4-Ethyltoluene	2.004	2.374	-18.5	88	0.00
89	TP	2-Chlorotoluene	1.651	1.871	-13.3	84	0.00

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N20.D
Acq On : 4 Jan 2022 2:31 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:40:55 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
90 TP	1,3,5-Trimethylbenzene		1.705	1.919	-12.6	82	0.00
91 TP	1,2,3-Trichloropropane		0.264	0.242	8.3	71	0.00
92 TP	trans-1,4-Dichloro-2-butene		0.095	0.082	13.7	65	0.00
93 TP	4-Chlorotoluene		1.475	1.652	-12.0	83	0.00
94 TP	tert-Butylbenzene		1.448	1.633	-12.8	84	0.00
97 TP	1,2,4-Trimethylbenzene		1.691	1.931	-14.2	85	0.00
98 TP	sec-Butylbenzene		2.134	2.441	-14.4	82	0.00
99 TP	p-Isopropyltoluene		1.803	2.087	-15.8	85	0.00
100 TP	1,3-Dichlorobenzene		0.948	0.988	-4.2	80	0.00
101 TP	1,4-Dichlorobenzene		0.954	0.980	-2.7	80	0.00
102 TP	p-Diethylbenzene		1.065	1.141	-7.1	80	0.00
103 TP	n-Butylbenzene		1.548	1.900	-22.7#	86	0.00
104 TP	1,2-Dichlorobenzene		0.876	0.874	0.2	77	0.00
105 TP	1,2,4,5-Tetramethylbenzene		1.621	1.674	-3.3	77	0.00
106 TP	1,2-Dibromo-3-chloropropane	*	10.000	8.017	19.8	72	0.00
107 TP	1,3,5-Trichlorobenzene		0.649	0.657	-1.2	78	0.00
108 TP	Hexachlorobutadiene		0.226	0.220	2.7	74	0.00
109 TP	1,2,4-Trichlorobenzene		0.546	0.517	5.3	76	0.00
110 TP	Naphthalene		1.063	0.954	10.3	73	0.00
111 TP	1,2,3-Trichlorobenzene		0.465	0.421	9.5	73	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 10 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N20.D
Acq On : 4 Jan 2022 2:31 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:40:55 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.359	96	168073	10.000 ug/L	0.00
Standard Area 1 = 186998			Recovery = 89.88%		
59) Chlorobenzene-d5	8.416	117	119257	10.000 ug/L	0.00
Standard Area 1 = 138211			Recovery = 86.29%		
79) 1,4-Dichlorobenzene-d4	9.919	152	61025	10.000 ug/L	0.00
Standard Area 1 = 74028			Recovery = 82.44%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.352	113	38846	9.851 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.51%		
43) 1,2-Dichloroethane-d4	5.008	65	39679	9.396 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.96%		
60) Toluene-d8	7.081	98	163982	10.376 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.76%		
83) 4-Bromofluorobenzene	9.246	95	53013	10.199 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.99%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.907	85	46056	10.785 ug/L	99
3) Chloromethane	1.021	50	41322	12.842 ug/L	99
4) Vinyl chloride	1.074	62	42564	11.784 ug/L	93
5) Bromomethane	1.272	94	25577	12.316 ug/L	95
6) Chloroethane	1.352	64	29577	12.121 ug/L	93
7) Trichlorofluoromethane	1.444	101	65357M1	11.184 ug/L	
8) Ethyl ether	1.661	74	12664M1	9.682 ug/L	
10) 1,1-Dichloroethene	1.792	96	30012M1	11.371 ug/L	
11) Carbon disulfide	1.798	76	70098	10.486 ug/L	99
12) Freon-113	1.831	101	28270M1	10.739 ug/L	
13) Iodomethane	1.892	142	17891	8.216 ug/L	79
14) Acrolein	2.065	56	1966M1	7.329 ug/L	
15) Methylene chloride	2.262	84	29624	10.118 ug/L	74
17) Acetone	2.312	43	3380	7.728 ug/L	92
18) trans-1,2-Dichloroethene	2.399	96	33208M1	11.616 ug/L	
19) Methyl acetate	2.437	43	8260	7.800 ug/L #	91
20) Methyl tert-butyl ether	2.510	73	51430M1	8.495 ug/L	
21) tert-Butyl alcohol	2.657	59	3901	40.486 ug/L #	65
22) Diisopropyl ether	2.922	45	79885	9.454 ug/L	89
23) 1,1-Dichloroethane	3.011	63	59207	11.075 ug/L	98
24) Halothane	3.152	117	24411M1	11.227 ug/L	

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N20.D
Acq On : 4 Jan 2022 2:31 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:40:55 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.083	53	4827M1	7.989	ug/L		
26) Ethyl tert-butyl ether	3.342	59	67302M1	9.129	ug/L		
27) Vinyl acetate	3.361	43	39447	8.024	ug/L		99
28) cis-1,2-Dichloroethene	3.673	96	34180M1	10.769	ug/L		
29) 2,2-Dichloropropane	3.801	77	51205M1	11.033	ug/L		
30) Bromochloromethane	3.937	128	12820M1	9.503	ug/L		
31) Cyclohexane	3.893	56	49719M1	9.590	ug/L		
32) Chloroform	4.107	83	55577M1	10.697	ug/L		
33) Ethyl acetate	4.349	43	11236M1	8.044	ug/L		
34) Carbon tetrachloride	4.215	117	37172	9.800	ug/L		96
35) Tetrahydrofuran	4.299	42	3726M1	9.037	ug/L		
37) 1,1,1-Trichloroethane	4.321	97	49289	10.958	ug/L	#	94
39) 2-Butanone	4.541	43	4431	7.383	ug/L	#	72
40) 1,1-Dichloropropene	4.499	75	40267	10.518	ug/L		98
41) Benzene	4.822	78	126963	10.802	ug/L		89
42) tert-Amyl methyl ether	5.047	73	53224	8.260	ug/L		87
44) 1,2-Dichloroethane	5.092	62	31031M1	9.351	ug/L		
47) Methyl cyclohexane	5.509	83	46895M1	9.321	ug/L		
48) Trichloroethene	5.556	95	32774M1	10.943	ug/L		
50) Dibromomethane	6.015	93	12846M1	8.665	ug/L		
51) 1,2-Dichloropropane	6.127	63	29432M1	10.049	ug/L		
54) Bromodichloromethane	6.241	83	35444M1	9.169	ug/L		
57) 1,4-Dioxane	6.469	88	4060	425.225	ug/L	#	79
58) cis-1,3-Dichloropropene	6.906	75	40095	9.276	ug/L		97
61) Toluene	7.131	92	80712	11.010	ug/L		97
62) 4-Methyl-2-pentanone	7.557	58	4243	8.352	ug/L	#	82
63) Tetrachloroethene	7.496	166	32231	10.841	ug/L		91
65) trans-1,3-Dichloropropene	7.576	75	31547	9.264	ug/L		97
67) Ethyl methacrylate	7.768	69	19923	8.257	ug/L		96
68) 1,1,2-Trichloroethane	7.710	83	14662	9.170	ug/L		98
69) Chlorodibromomethane	7.846	129	20212	8.965	ug/L		97
70) 1,3-Dichloropropane	7.927	76	31778	9.275	ug/L		99
71) 1,2-Dibromoethane	8.008	107	16157	8.714	ug/L		97
72) 2-Hexanone	8.258	43	7745	8.396	ug/L	#	90
73) Chlorobenzene	8.428	112	81003	10.728	ug/L		92
74) Ethylbenzene	8.467	91	152786	10.999	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.489	131	23759	8.973	ug/L		96
76) p/m Xylene	8.578	106	114400	21.347	ug/L		97
77) o Xylene	8.864	106	110003	21.690	ug/L		90
78) Styrene	8.903	104	173866	20.892	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N20.D
Acq On : 4 Jan 2022 2:31 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:40:55 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220103ICAL\VE220103N09.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	8.909	173	10391	8.011	ug/L		99
82) Isopropylbenzene	9.076	105	148456	11.762	ug/L		97
84) Bromobenzene	9.301	156	30191	10.154	ug/L		99
85) n-Propylbenzene	9.337	91	177640	12.152	ug/L		98
86) 1,4-Dichlorobutane	9.346	55	28782	9.321	ug/L		97
87) 1,1,2,2-Tetrachloroethane	9.396	83	17939	9.190	ug/L		89
88) 4-Ethyltoluene	9.410	105	144844	11.846	ug/L		96
89) 2-Chlorotoluene	9.421	91	114186	11.334	ug/L		94
90) 1,3,5-Trimethylbenzene	9.463	105	117123	11.255	ug/L		91
91) 1,2,3-Trichloropropane	9.463	75	14776	9.156	ug/L		98
92) trans-1,4-Dichloro-2-b...	9.499	53	4983	8.577	ug/L	#	78
93) 4-Chlorotoluene	9.527	91	100805M1	11.197	ug/L		
94) tert-Butylbenzene	9.649	119	99662	11.277	ug/L		95
97) 1,2,4-Trimethylbenzene	9.694	105	117835	11.418	ug/L		95
98) sec-Butylbenzene	9.755	105	148962	11.441	ug/L		98
99) p-Isopropyltoluene	9.844	119	127370	11.577	ug/L		96
100) 1,3-Dichlorobenzene	9.874	146	60270	10.413	ug/L		98
101) 1,4-Dichlorobenzene	9.927	146	59815	10.277	ug/L		99
102) p-Diethylbenzene	10.052	119	69609	10.715	ug/L		96
103) n-Butylbenzene	10.086	91	115934	12.274	ug/L		99
104) 1,2-Dichlorobenzene	10.169	146	53326	9.976	ug/L		97
105) 1,2,4,5-Tetramethylben...	10.509	119	102132	10.322	ug/L		98
106) 1,2-Dibromo-3-chloropr...	10.626	155	2297	8.017	ug/L		92
107) 1,3,5-Trichlorobenzene	10.640	180	40065	10.112	ug/L		94
108) Hexachlorobutadiene	10.982	225	13456	9.745	ug/L		98
109) 1,2,4-Trichlorobenzene	10.998	180	31580	9.474	ug/L		95
110) Naphthalene	11.176	128	58222	8.978	ug/L		100
111) 1,2,3-Trichlorobenzene	11.279	180	25697	9.052	ug/L		96

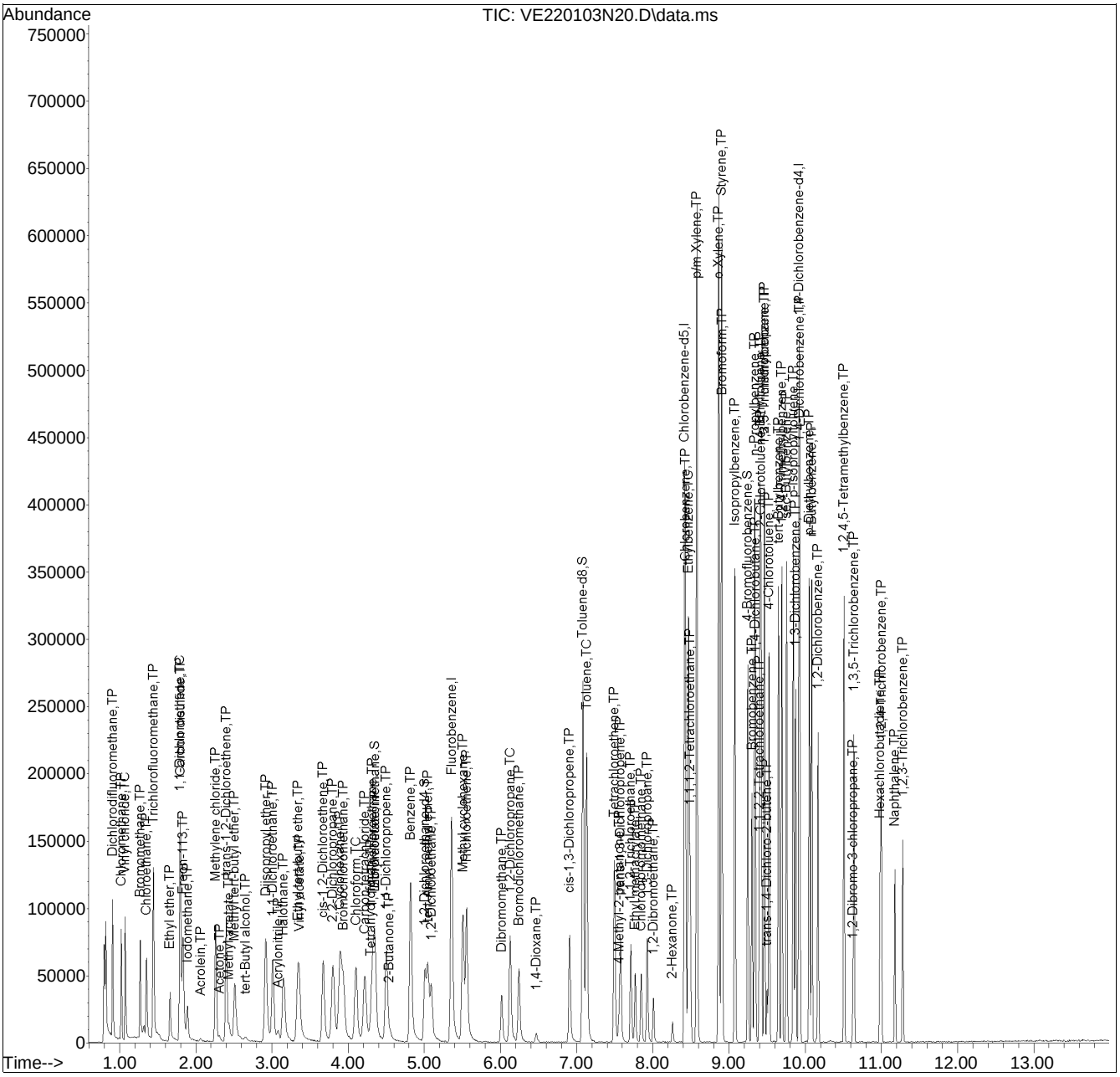
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220103ICAL\
Data File : VE220103N20.D
Acq On : 4 Jan 2022 2:31 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1590490
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 15:40:55 2022
Quant Method : I:\VOLATILES\Elaine\2022\220103ICAL\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

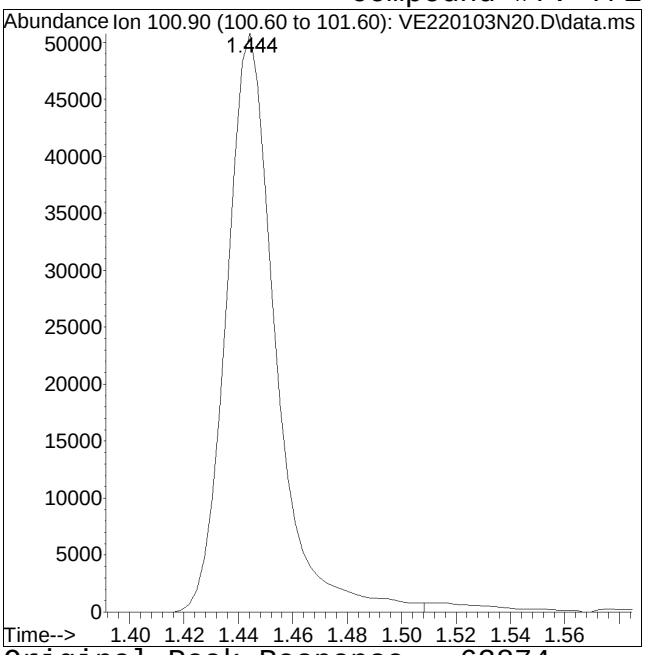
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEAL\VE220103N09.D•



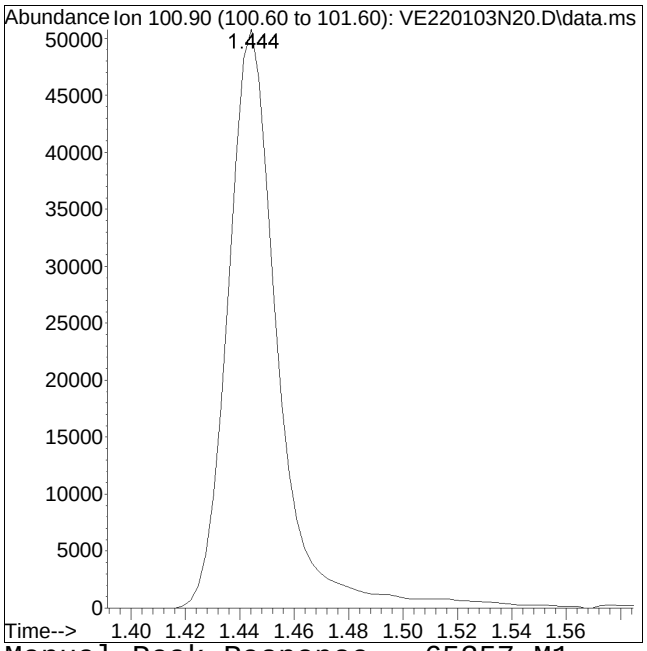
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #7: Trichlorofluoromethane



Original Peak Response = 63874



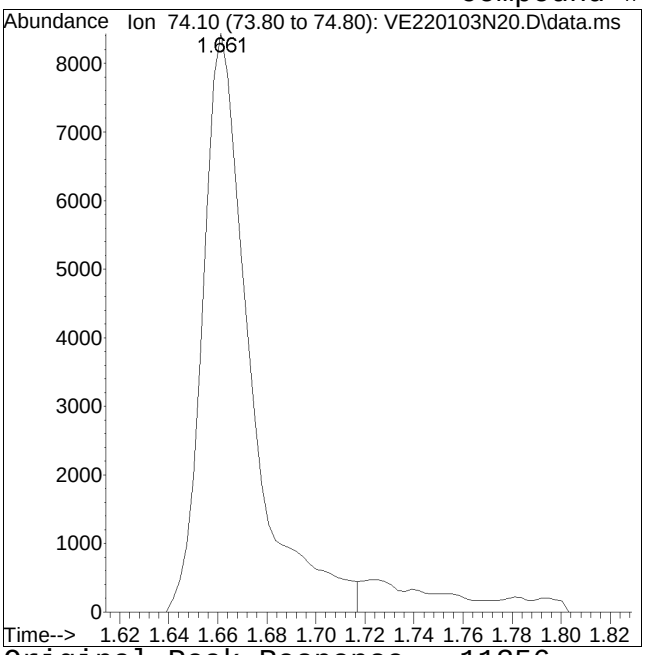
Manual Peak Response = 65357 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

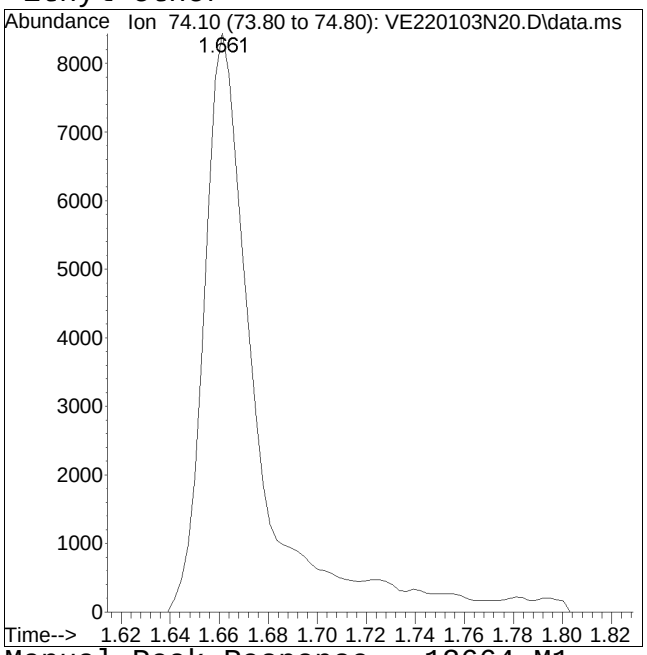
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #8: Ethyl ether



Original Peak Response = 11356



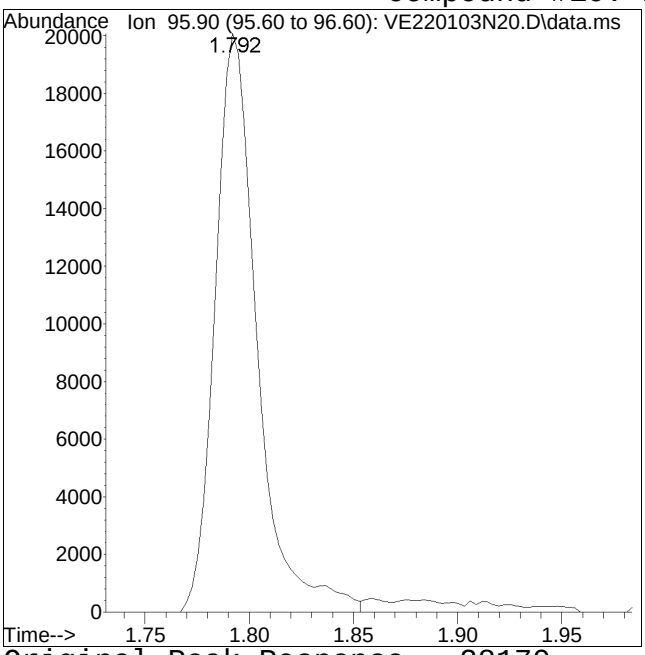
Manual Peak Response = 12664 M1

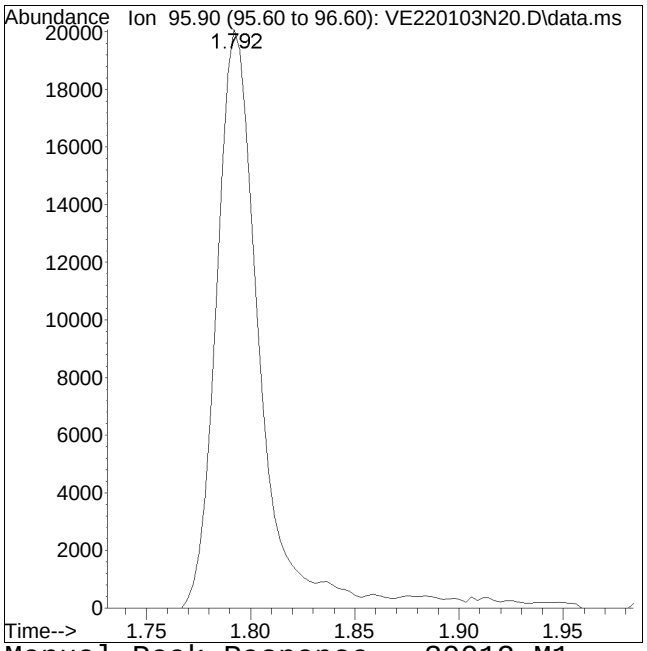
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #10: 1,1-Dichloroethene





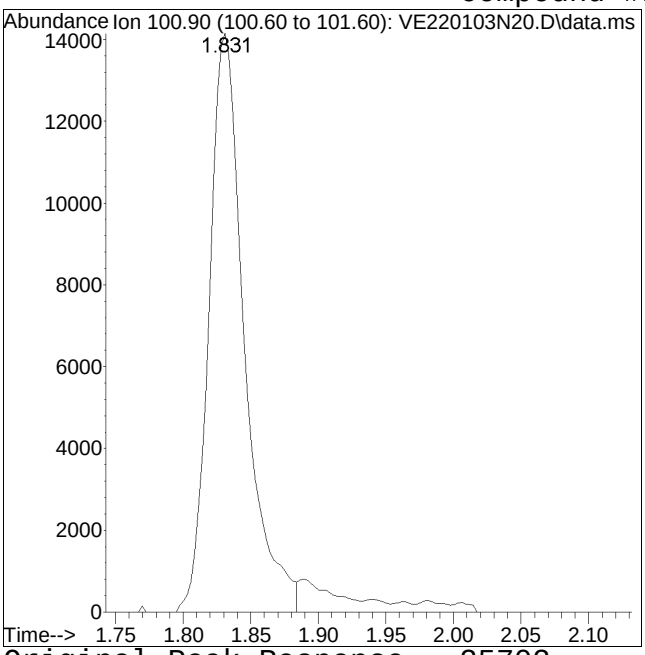
Original Peak Response = 28170 Manual Peak Response = 30012 M1

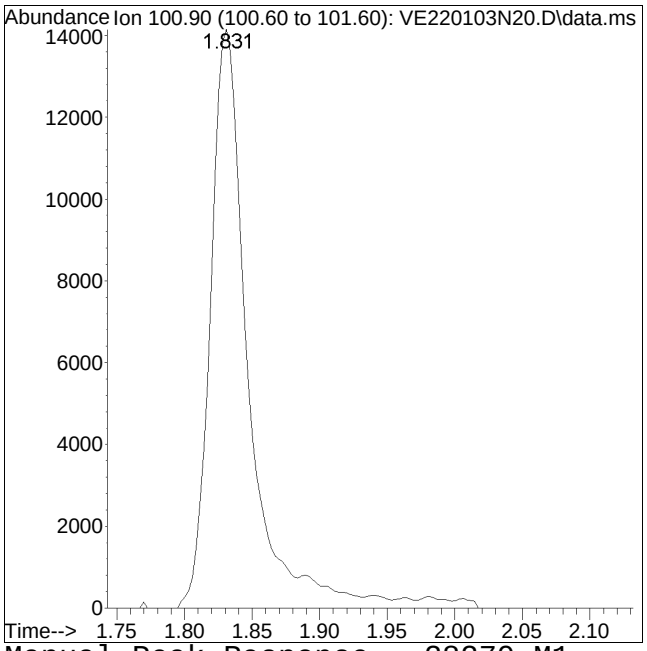
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #12: Freon-113



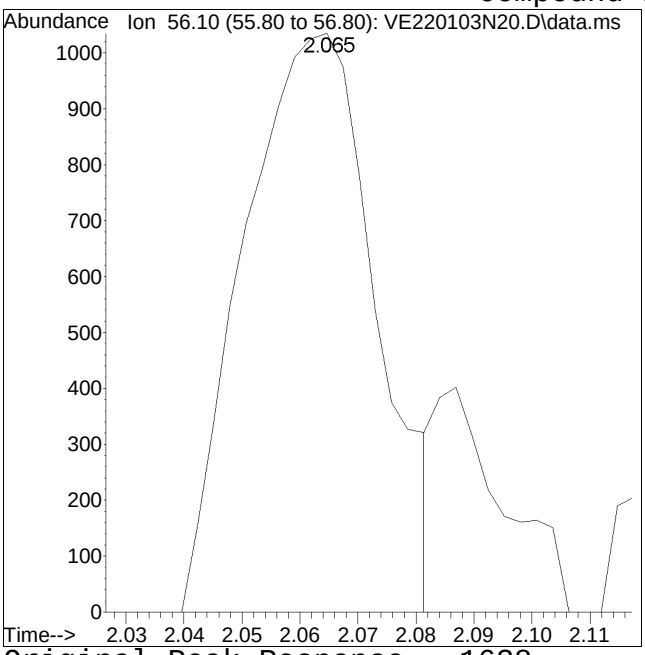


Original Peak Response = 25702 Manual Peak Response = 28270 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

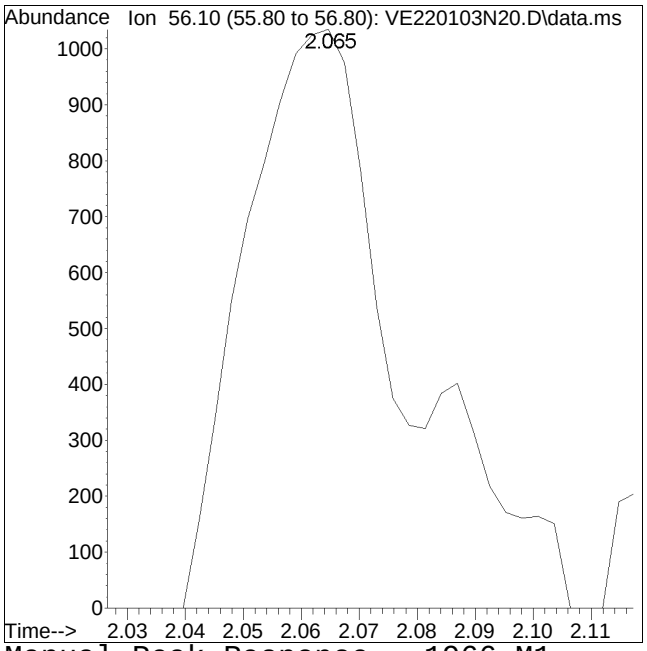
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #14: Acrolein



Original Peak Response = 1638



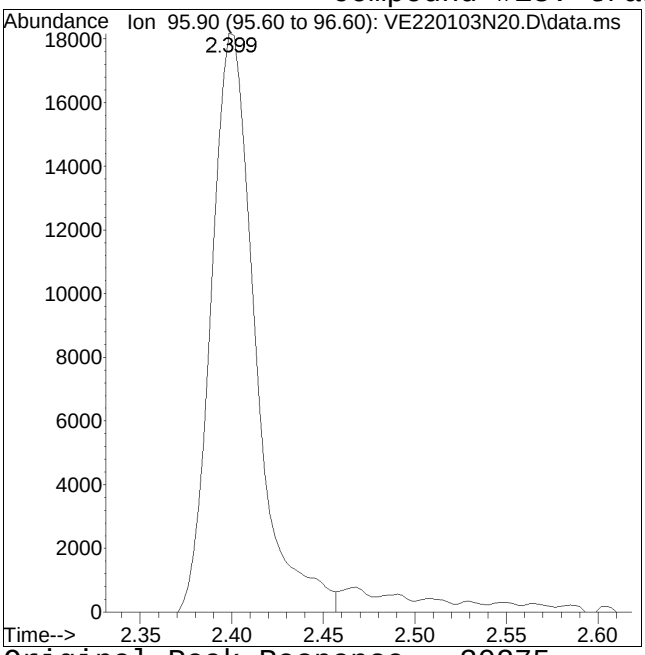
Manual Peak Response = 1966 M1

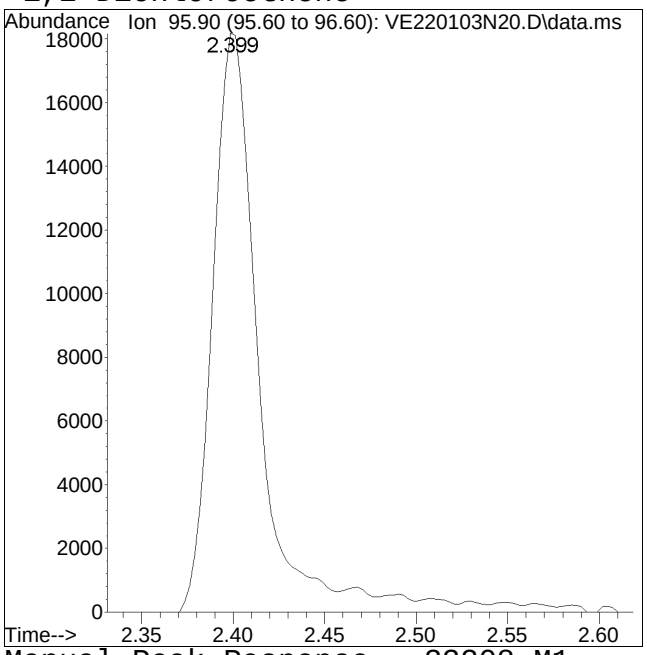
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #18: trans-1,2-Dichloroethene



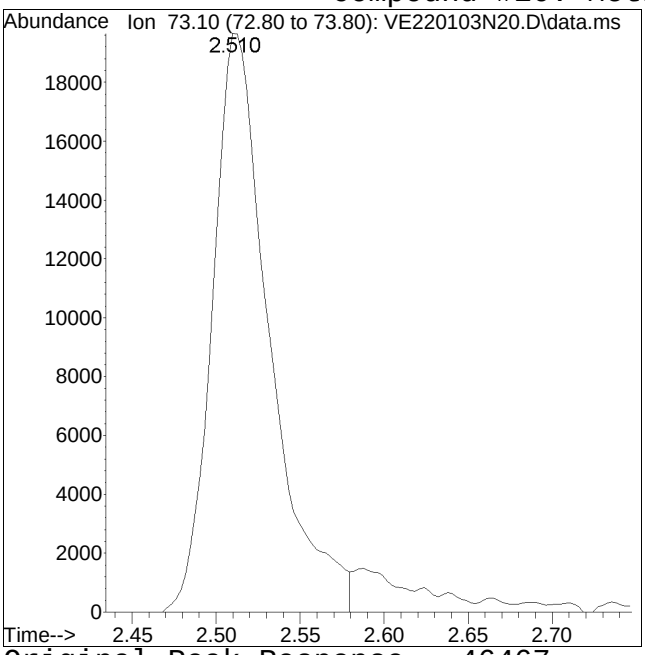


Original Peak Response = 30275 Manual Peak Response = 33208 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

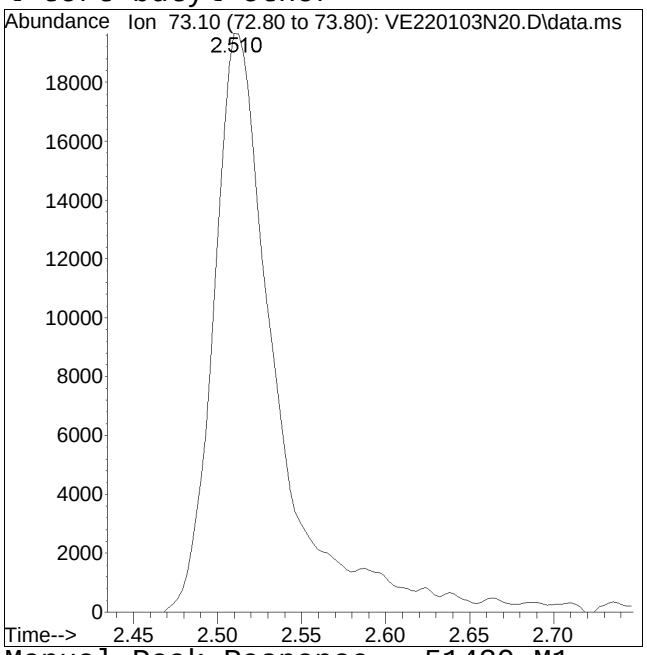
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #20: Methyl tert-butyl ether



Original Peak Response = 46467



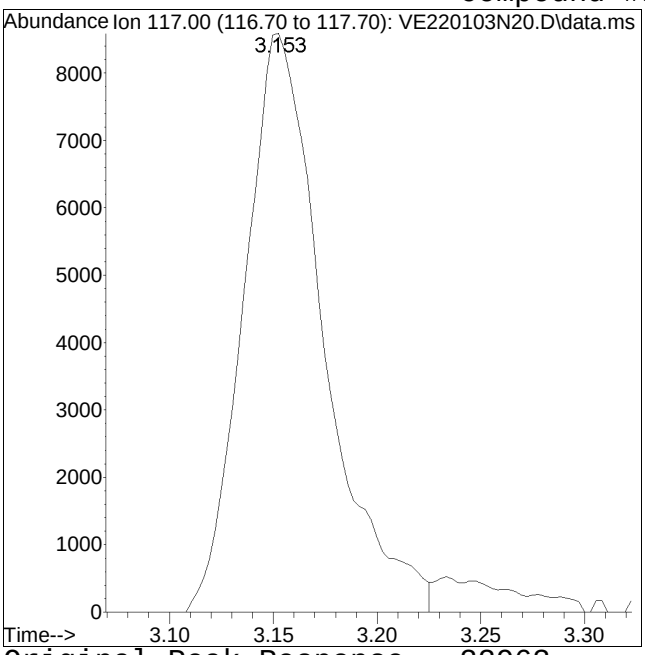
Manual Peak Response = 51430 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

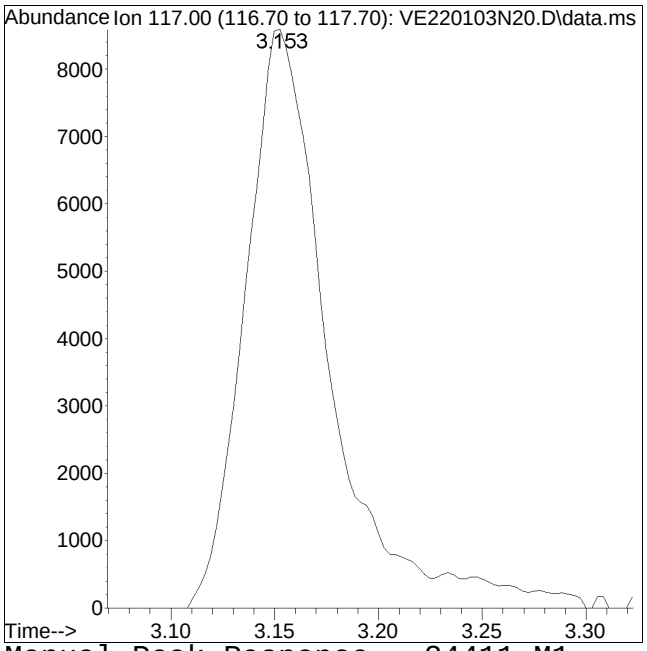
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #24: Halothane



Original Peak Response = 22963



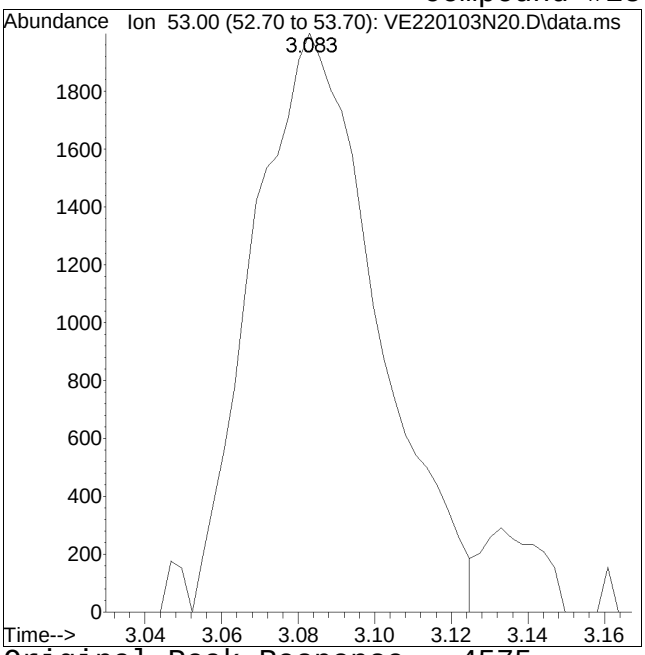
Manual Peak Response = 24411 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

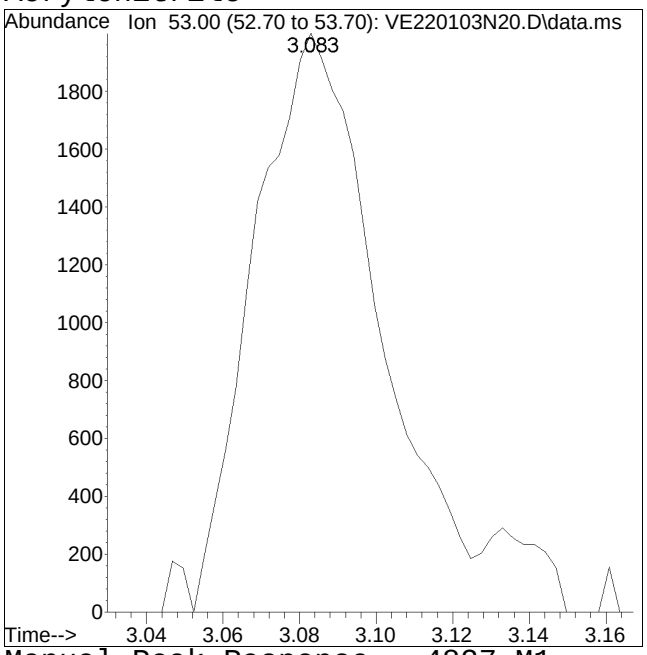
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #25: Acrylonitrile



Original Peak Response = 4575



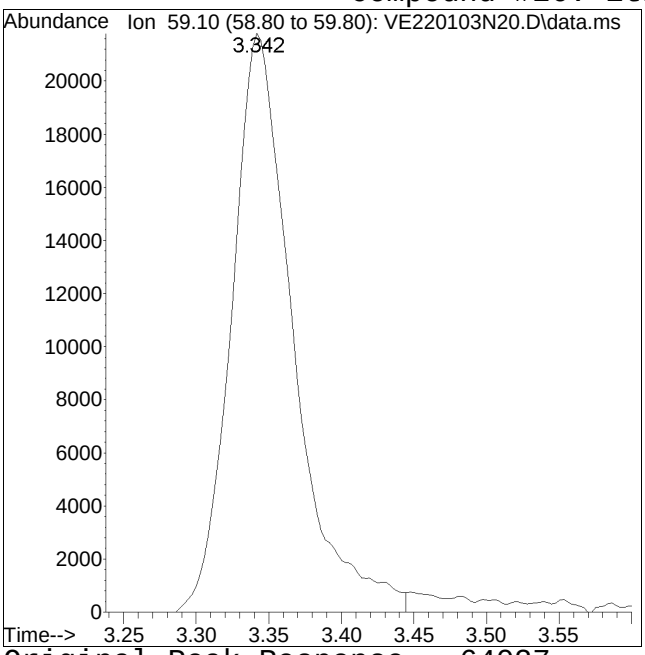
Manual Peak Response = 4827 M1

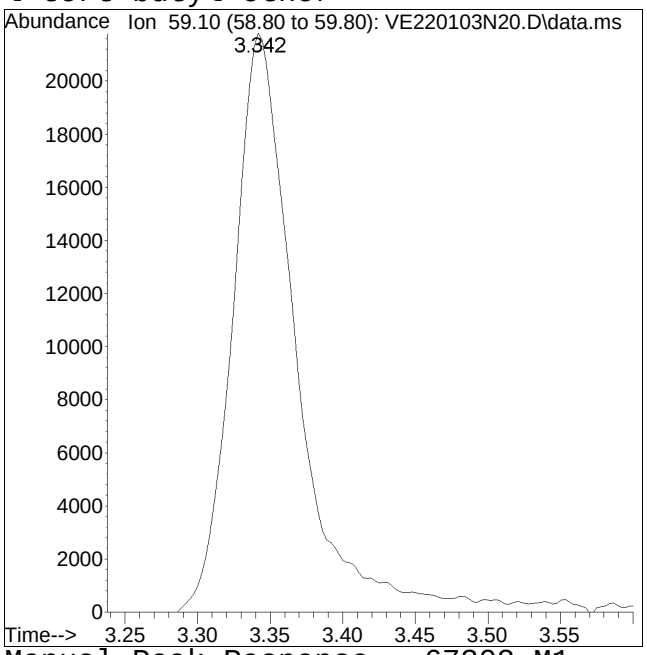
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #26: Ethyl tert-butyl ether



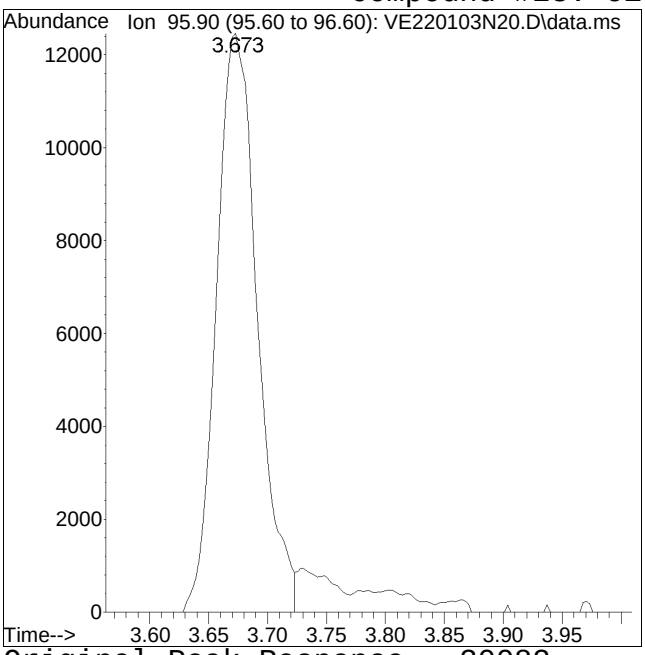


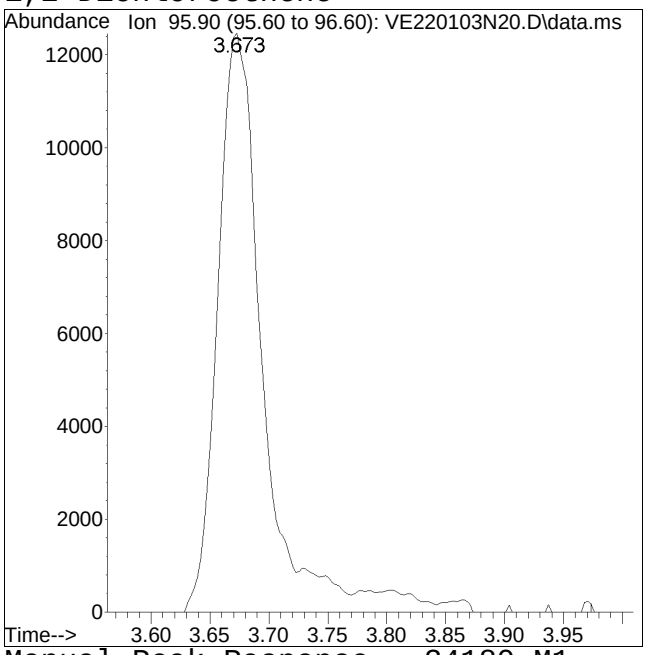
Original Peak Response = 64027 Manual Peak Response = 67302 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #28: cis-1,2-Dichloroethene





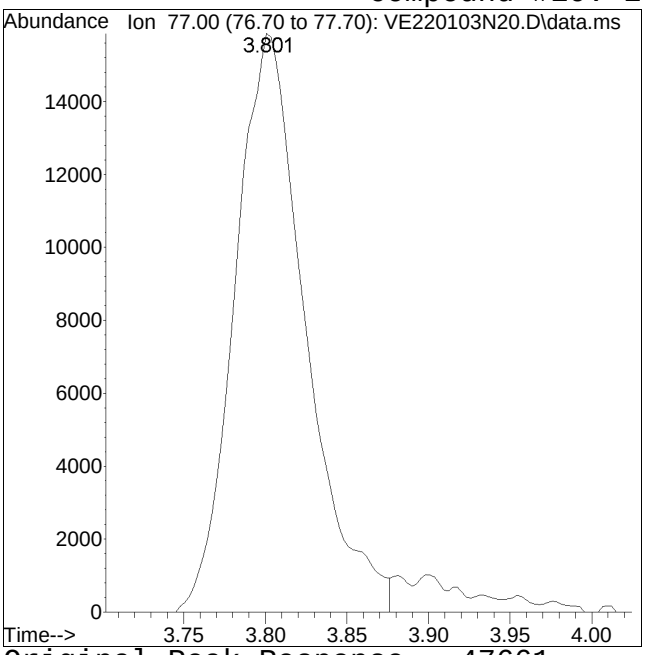
Original Peak Response = 30082 Manual Peak Response = 34180 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

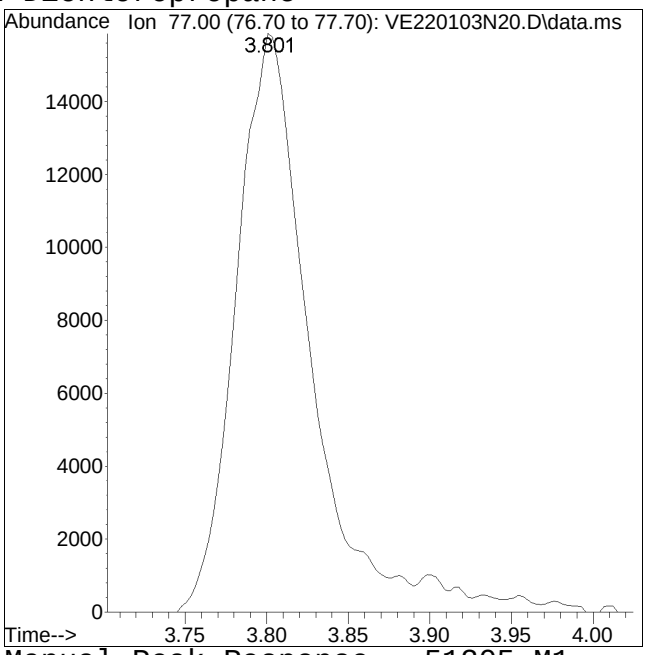
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N20.D
Date Inj'd : 1/4/2022 2:31 am
Sample : C8260STD10PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 3:25 pm

Compound #29: 2,2-Dichloropropane



Original Peak Response = 47661



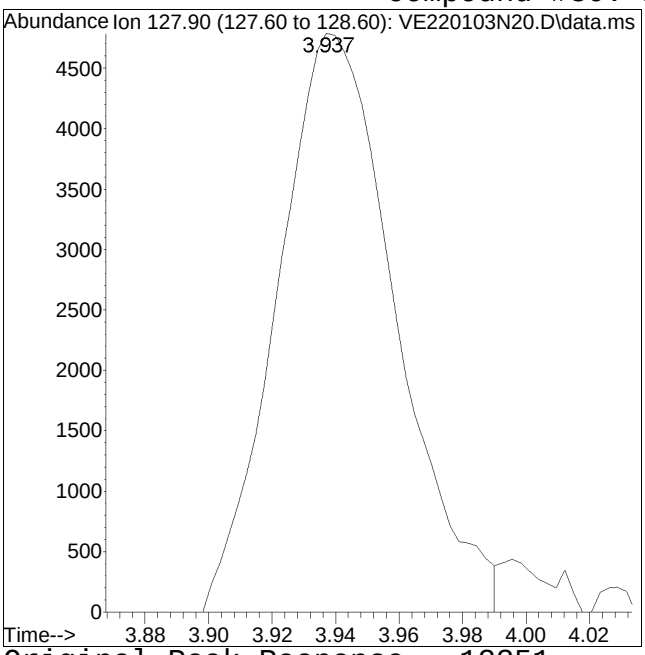
Manual Peak Response = 51205 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

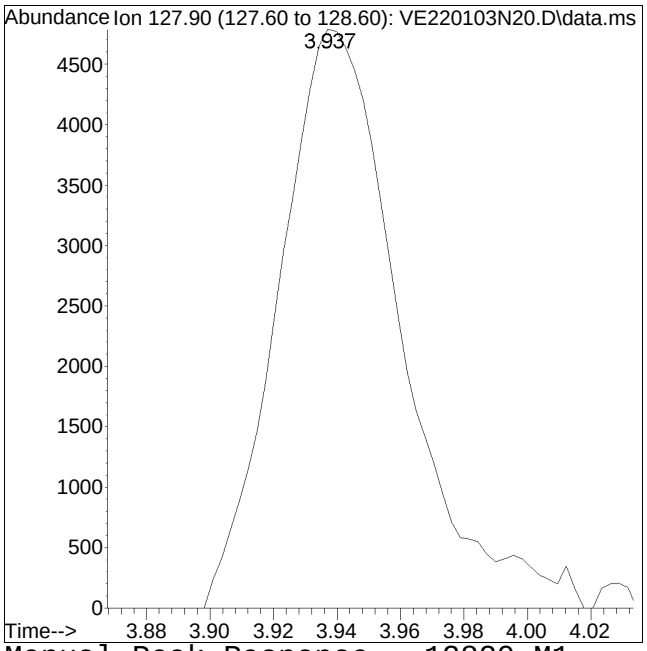
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #30: Bromochloromethane



Original Peak Response = 12351



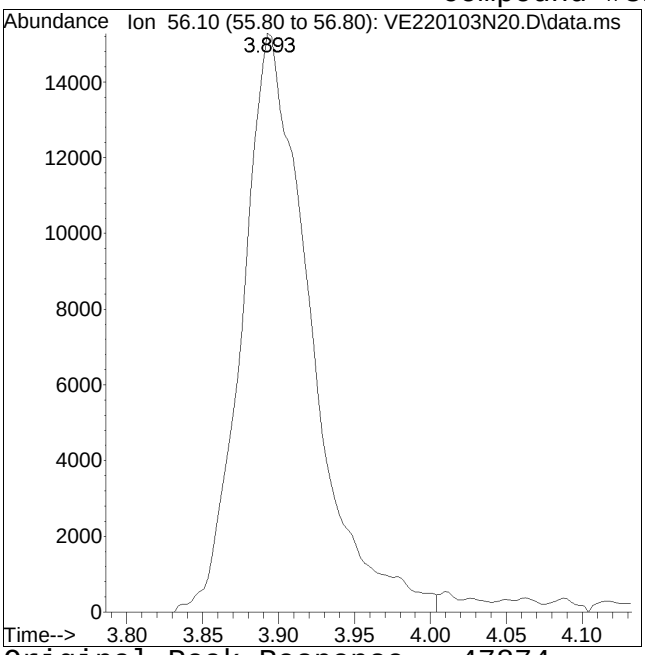
Manual Peak Response = 12820 M1

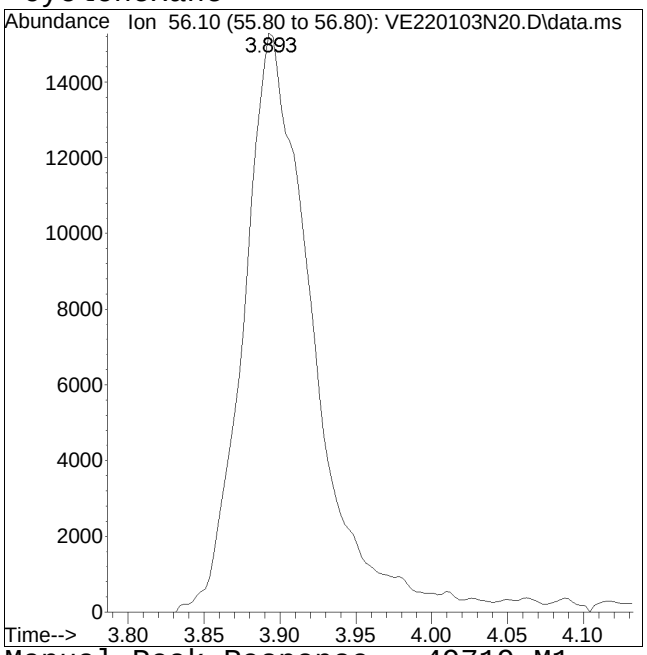
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #31: Cyclohexane



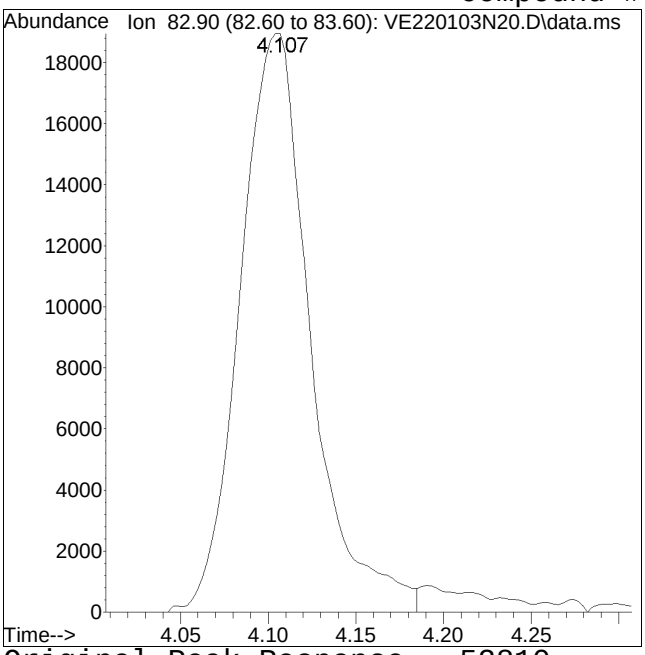


Original Peak Response = 47874 Manual Peak Response = 49719 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

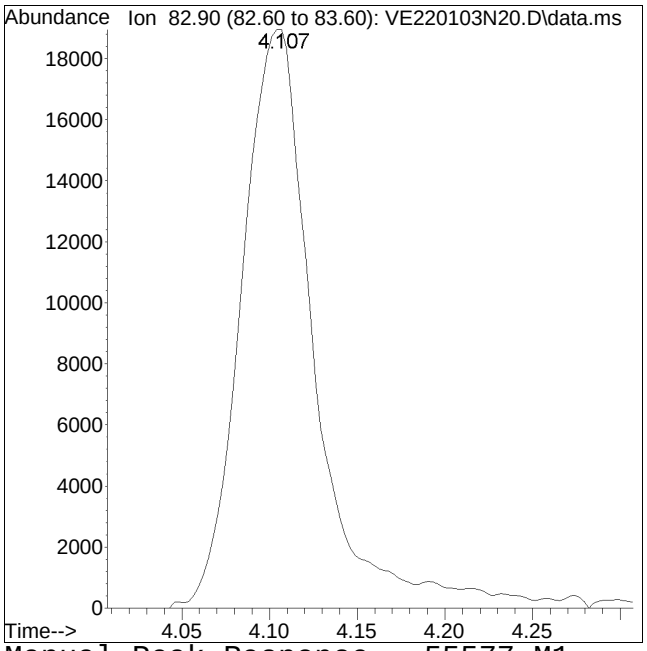
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #32: Chloroform



Original Peak Response = 52810



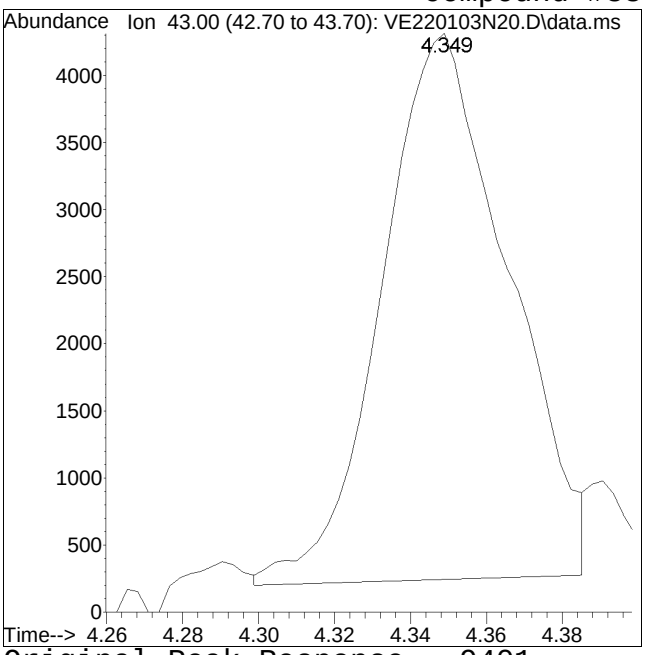
Manual Peak Response = 55577 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

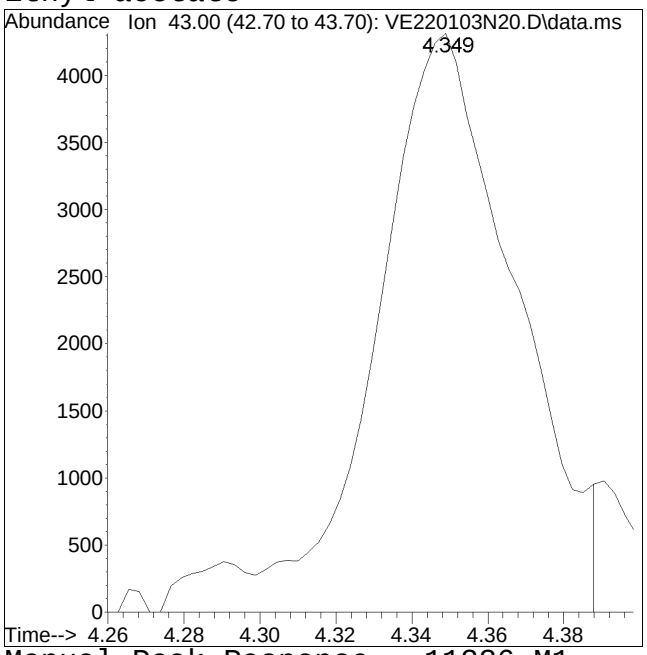
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #33: Ethyl acetate



Original Peak Response = 9401



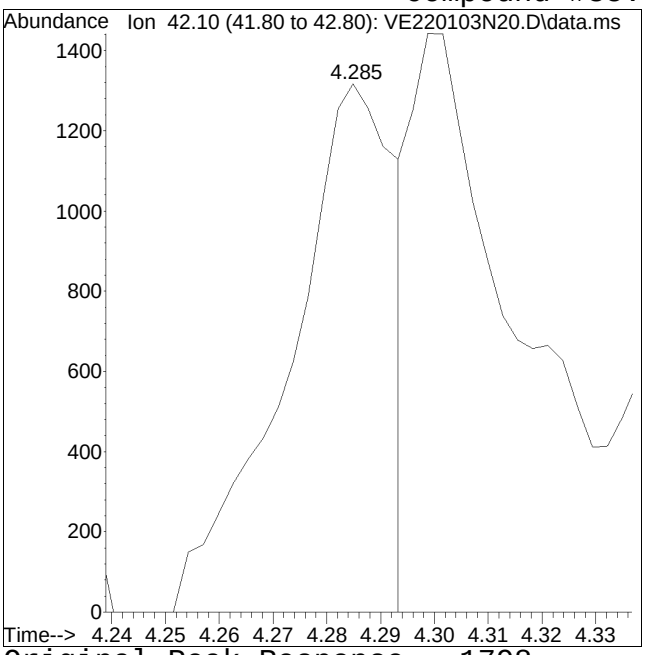
Manual Peak Response = 11236 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

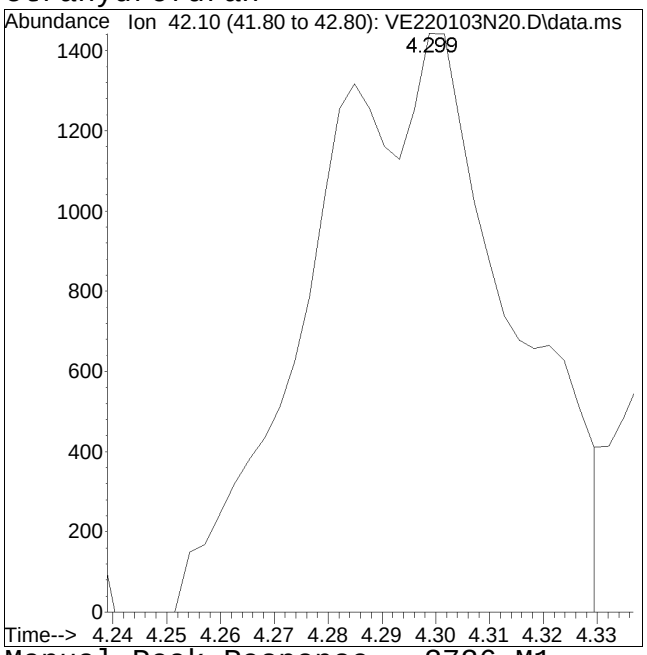
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 1798



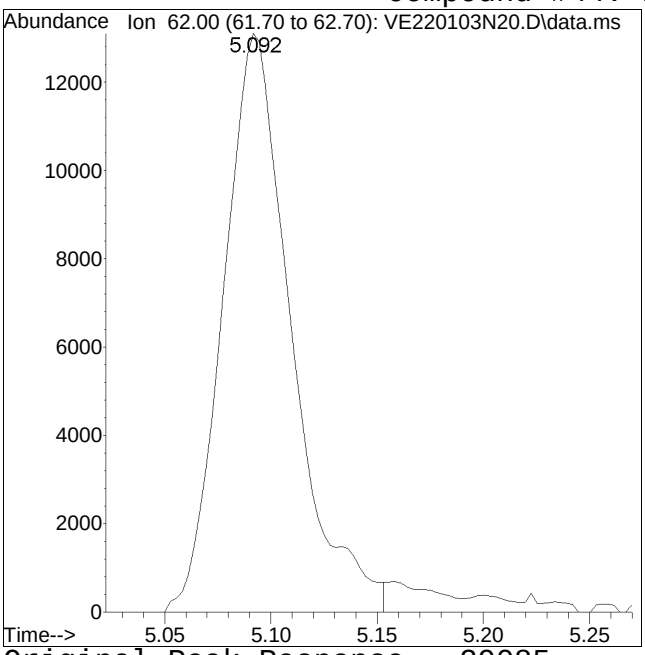
Manual Peak Response = 3726 M1

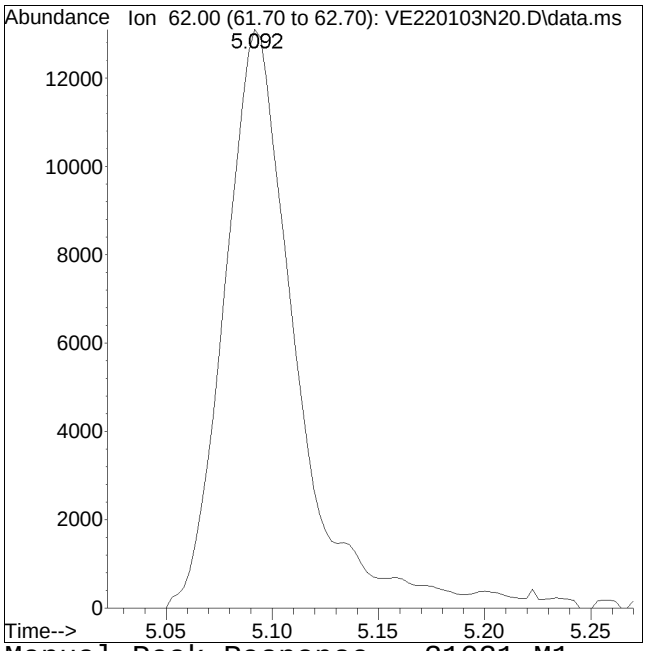
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #44: 1,2-Dichloroethane





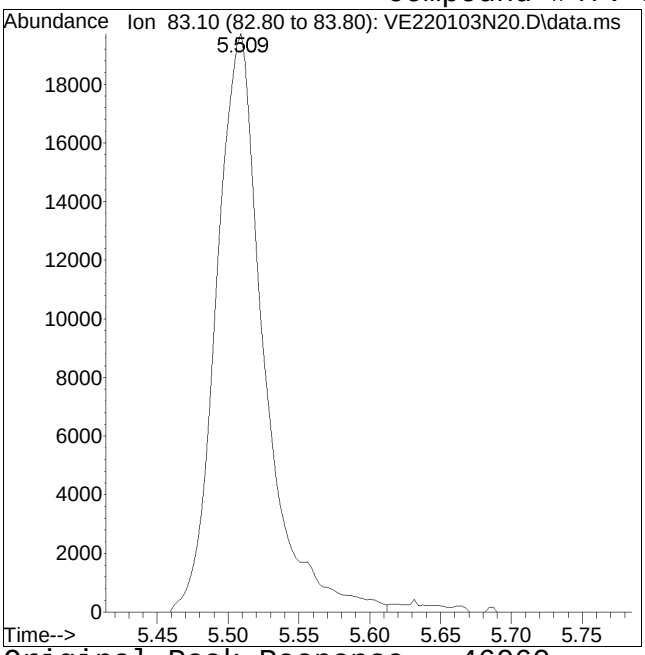
Original Peak Response = 29085 Manual Peak Response = 31031 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

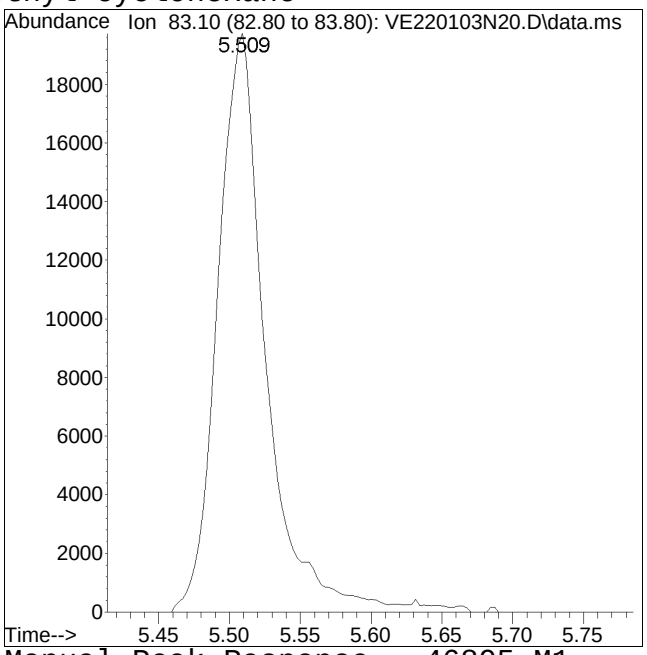
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N20.D
Date Inj'd : 1/4/2022 2:31 am
Sample : C8260STD10PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 3:25 pm

Compound #47: Methyl cyclohexane



Original Peak Response = 46060



Manual Peak Response = 46895 M1

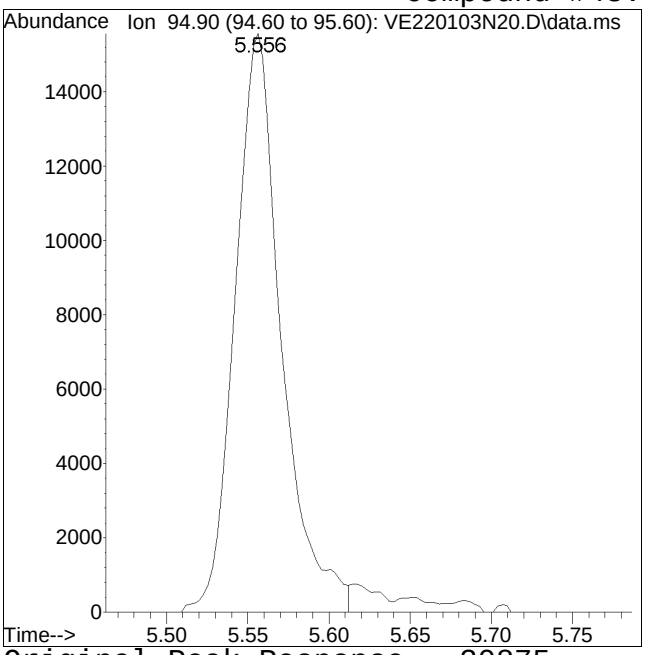
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

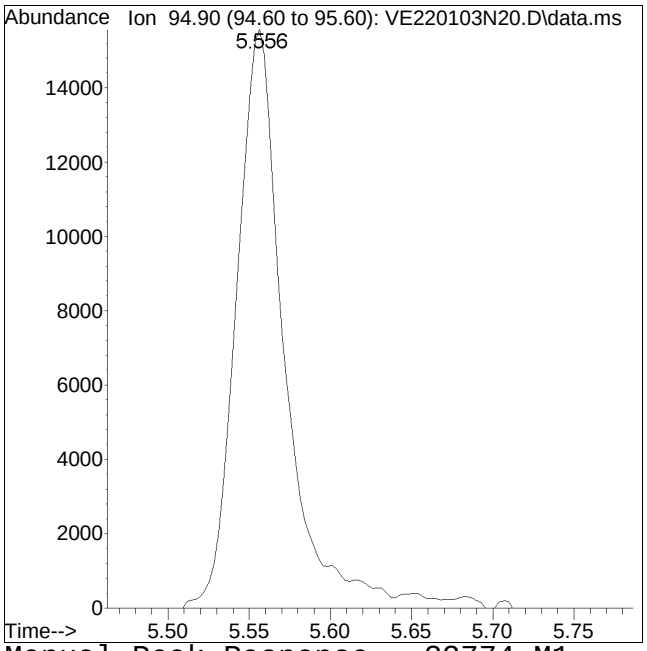
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220103N20.D
Date Inj'd : 1/4/2022 2:31 am
Sample : C8260STD10PPB

Method : Elaine_220103N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 1/4/2022 3:25 pm

Compound #48: Trichloroethene



Original Peak Response = 30875



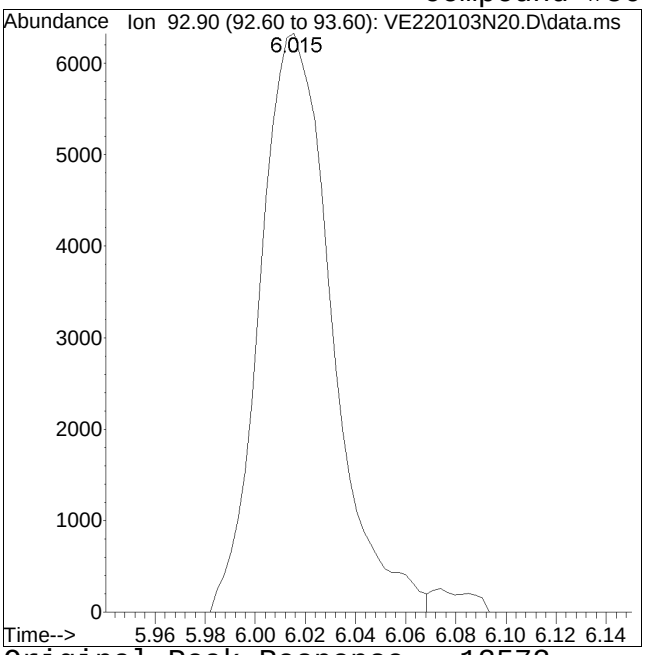
Manual Peak Response = 32774 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

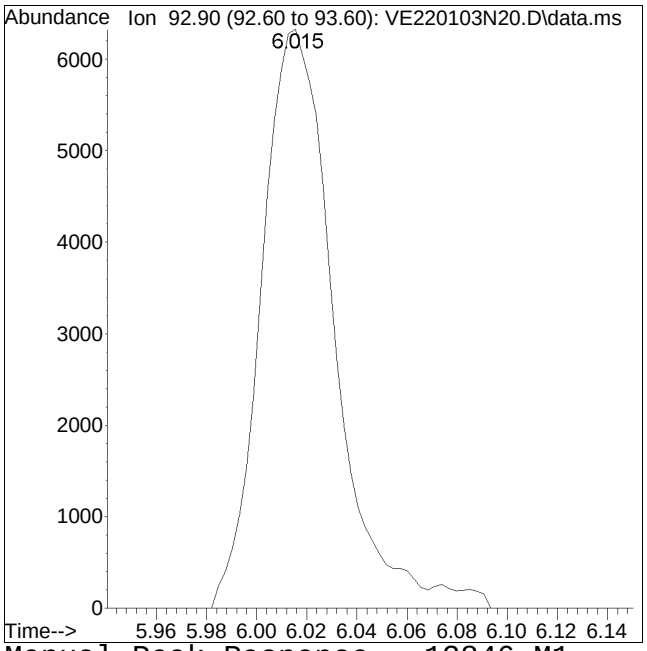
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #50: Dibromomethane



Original Peak Response = 12572



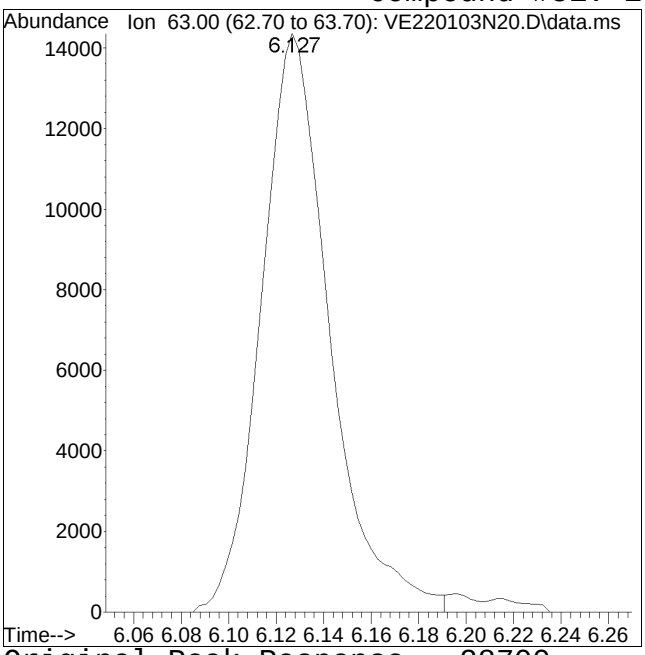
Manual Peak Response = 12846 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

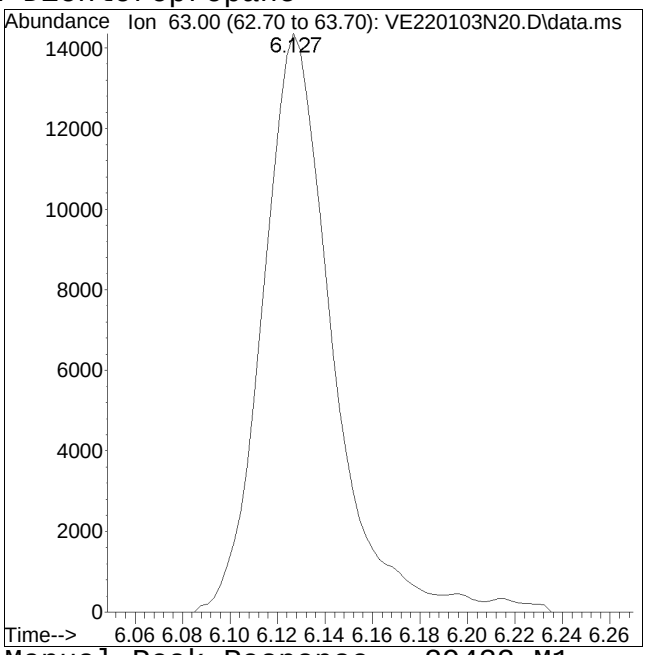
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #51: 1,2-Dichloropropane



Original Peak Response = 28700



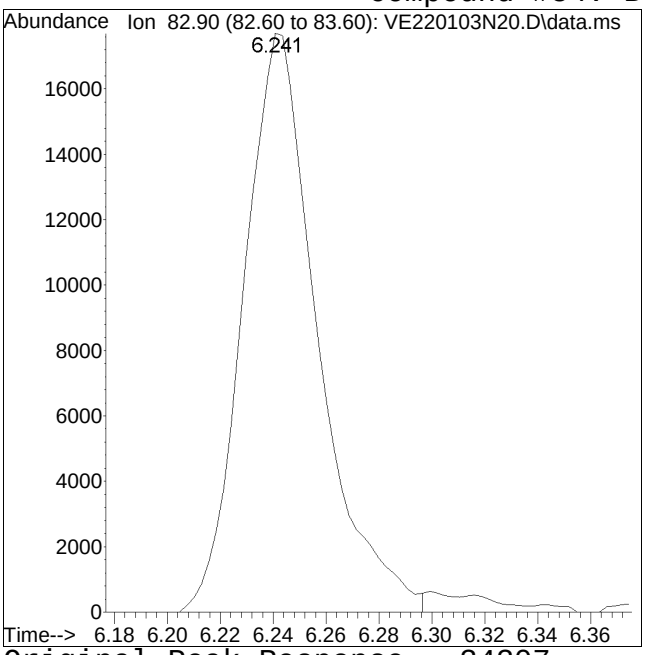
Manual Peak Response = 29432 M1

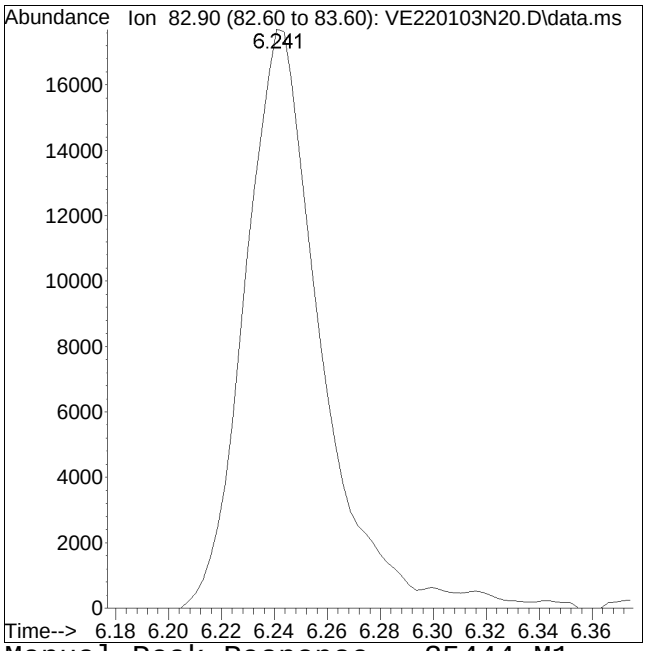
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #54: Bromodichloromethane



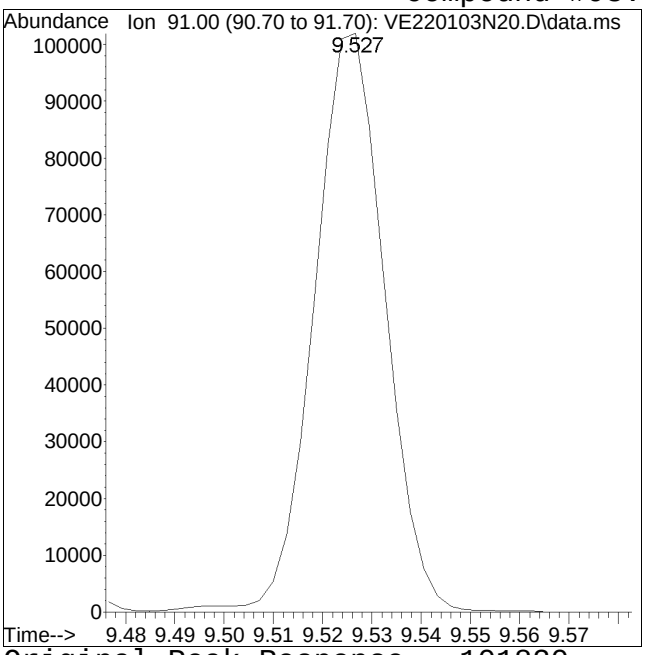


Original Peak Response = 34307 Manual Peak Response = 35444 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

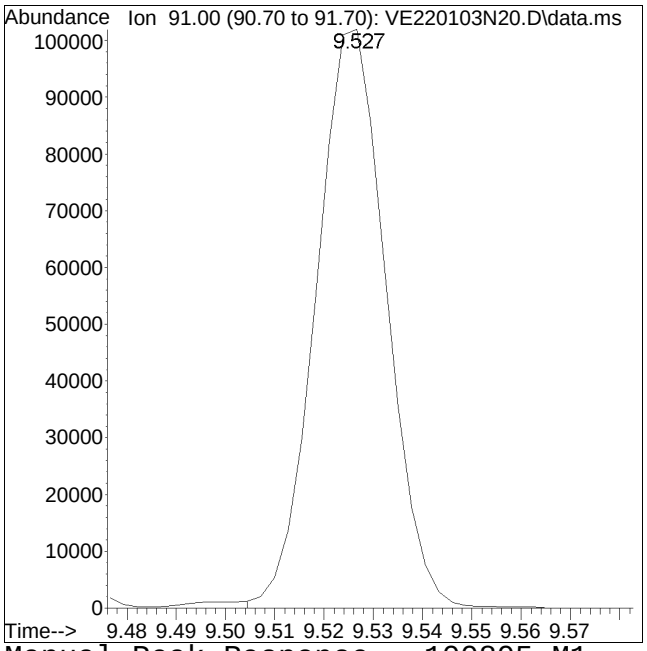
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220103N20.D Operator : ELAINE:MKS
Date Inj'd : 1/4/2022 2:31 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 1/4/2022 3:25 pm

Compound #93: 4-Chlorotoluene



Original Peak Response = 101820



Manual Peak Response = 100805 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Correlation Data Summary

Method Path:	I:\VOLATILES\Elaine\2022\220103ICAL\
Method File:	Elaine_220103N_8260.m
Method Title:	VOLATILES BY GC/MS
Last Update:	Tue Jan 04 15:18:37 2022
CSV generated:	Tue Jan 04 15:54:16 2022

Analyte	Curve fit Type	Coefficient of Determination	Quadratic Term	Linear Term	Constant Term
Iodomethane	Quadratic	0.998606	0.001441	0.161694	-0.027376
Acetone	Linear	0.99919	0	0.019504	0.005038
1,2-Dibromo-3-chloropropane	Linear	0.998256	0	0.049019	-0.001661

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Tenen Environmental, LLC		**Lab Number**	: L2200912	
Project Name	: 21-25 31ST STREET		**Project Number**	: 21-25 31ST STREET	
Instrument ID	: ELAINE		**Calibration Date**	: 01/13/22 10:57	
Lab File ID	: VE220113A02		**Init. Calib. Date(s)**	: 01/03/22	01/04/22
Sample No	: WG1594142-2		**Init. Calib. Times**	: 21:26	00:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	63	0
Dichlorodifluoromethane	0.254	0.272	-	-7.1	20	58	0
Chloromethane	0.191	0.171	-	10.5	20	49	0
Vinyl chloride	0.215	0.207	-	3.7	20	52	0
Bromomethane	0.124	0.155	-	-25*	20	76	0
Chloroethane	0.145	0.269	-	-85.5*	20	101	0
Trichlorofluoromethane	0.348	0.469	-	-34.8*	20	76	0
Ethyl ether	0.078	0.088	-	-12.8	20	61	0
1,1-Dichloroethene	0.157	0.143	-	8.9	20	50	0
Carbon disulfide	0.398	0.371	-	6.8	20	51	0
Freon-113	0.157	0.15	-	4.5	20	50	0
Acrolein	0.016	0.015	-	6.3	20	59	0
Methylene chloride	0.174	0.184	-	-5.7	20	59	0
Acetone	10	12.762	-	-27.6*	20	80	0
trans-1,2-Dichloroethene	0.17	0.154	-	9.4	20	53	0
Methyl acetate	0.063	0.068	-	-7.9	20	62	0
Methyl tert-butyl ether	0.36	0.353	-	1.9	20	55	0
tert-Butyl alcohol	0.00573	0.00474*	-	17.3	20	50	0
Diisopropyl ether	0.503	0.471	-	6.4	20	55	0
1,1-Dichloroethane	0.318	0.292*	-	8.2	20	52	0
Halothane	0.129	0.121	-	6.2	20	55	0
Acrylonitrile	0.036	0.037	-	-2.8	20	60	0
Ethyl tert-butyl ether	0.439	0.359	-	18.2	20	49	0
Vinyl acetate	0.292	0.237	-	18.8	20	51	0
cis-1,2-Dichloroethene	0.189	0.176*	-	6.9	20	50	0
2,2-Dichloropropane	0.276	0.156	-	43.5*	20	31	0
Bromochloromethane	0.08	0.081*	-	-1.3	20	60	0
Cyclohexane	0.308	0.265	-	14	20	46	0
Chloroform	0.309	0.294	-	4.9	20	56	0
Ethyl acetate	0.083	0.071	-	14.5	20	51	0
Carbon tetrachloride	0.226	0.167	-	26.1*	20	44	0
Tetrahydrofuran	0.025	0.029	-	-16	20	65	0
Dibromofluoromethane	0.235	0.258	-	-9.8	20	66	0
1,1,1-Trichloroethane	0.268	0.221	-	17.5	20	48	0
2-Butanone	0.036	0.041	-	-13.9	20	78	0
1,1-Dichloropropene	0.228	0.215	-	5.7	20	52	0
Benzene	0.699	0.665	-	4.9	20	56	0
tert-Amyl methyl ether	0.383	0.321	-	16.2	20	52	0
1,2-Dichloroethane-d4	0.251	0.275	-	-9.6	20	68	0
1,2-Dichloroethane	0.197	0.205	-	-4.1	20	63	0
Methyl cyclohexane	0.299	0.27	-	9.7	20	52	0
Trichloroethene	0.178	0.154*	-	13.5	20	51	0
Dibromomethane	0.088	0.087	-	1.1	20	58	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Tenen Environmental, LLC	**Lab Number**	: L2200912		
Project Name	: 21-25 31ST STREET	**Project Number**	: 21-25 31ST STREET		
Instrument ID	: ELAINE	**Calibration Date**	: 01/13/22 10:57		
Lab File ID	: VE220113A02	**Init. Calib. Date(s)**	: 01/03/22	01/04/22	
Sample No	: WG1594142-2	**Init. Calib. Times**	: 21:26	00:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.174	0.165	-	5.2	20	53	0
Bromodichloromethane	0.23	0.211*	-	8.3	20	54	0
1,4-Dioxane	0.00057	0.00092*	-	-61.4*	20	84	0
cis-1,3-Dichloropropene	0.257	0.214*	-	16.7	20	48	0
Chlorobenzene-d5	1	1	-	0	20	63	0
Toluene-d8	1.325	1.338	-	-1	20	61	0
Toluene	0.615	0.575	-	6.5	20	55	0
4-Methyl-2-pentanone	0.043	0.045	-	-4.7	20	61	0
Tetrachloroethene	0.249	0.223	-	10.4	20	52	0
trans-1,3-Dichloropropene	0.286	0.205*	-	28.3*	20	42	0
Ethyl methacrylate	0.202	0.168	-	16.8	20	48	0
1,1,2-Trichloroethane	0.134	0.146*	-	-9	20	64	0
Chlorodibromomethane	0.189	0.171*	-	9.5	20	54	0
1,3-Dichloropropane	0.287	0.312	-	-8.7	20	62	0
1,2-Dibromoethane	0.155	0.142*	-	8.4	20	54	0
2-Hexanone	0.077	0.071	-	7.8	20	53	0
Chlorobenzene	0.633	0.617	-	2.5	20	56	0
Ethylbenzene	1.165	1.078	-	7.5	20	53	0
1,1,1,2-Tetrachloroethane	0.222	0.165	-	25.7*	20	45	0
p/m Xylene	0.449	0.41	-	8.7	20	53	0
o Xylene	0.425	0.411	-	3.3	20	56	0
Styrene	0.698	0.674	-	3.4	20	56	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	61	0
Bromoform	0.213	0.172	-	19.2	20	53	0
Isopropylbenzene	2.068	2.015	-	2.6	20	53	0
4-Bromofluorobenzene	0.852	0.824	-	3.3	20	59	0
Bromobenzene	0.487	0.475	-	2.5	20	56	0
n-Propylbenzene	2.395	2.43	-	-1.5	20	54	0
1,4-Dichlorobutane	0.506	0.522	-	-3.2	20	57	0
1,1,2,2-Tetrachloroethane	0.32	0.352	-	-10	20	61	0
4-Ethyltoluene	2.004	1.918	-	4.3	20	53	0
2-Chlorotoluene	1.651	1.609	-	2.5	20	54	0
1,3,5-Trimethylbenzene	1.705	1.635	-	4.1	20	52	0
1,2,3-Trichloropropane	0.264	0.306	-	-15.9	20	67	0
trans-1,4-Dichloro-2-buten	0.095	0.083	-	12.6	20	49	0
4-Chlorotoluene	1.475	1.436	-	2.6	20	54	0
tert-Butylbenzene	1.448	1.353	-	6.6	20	52	0
1,2,4-Trimethylbenzene	1.691	1.646	-	2.7	20	54	0
sec-Butylbenzene	2.134	2.119	-	0.7	20	53	0
p-Isopropyltoluene	1.803	1.739	-	3.5	20	52	0
1,3-Dichlorobenzene	0.948	0.922	-	2.7	20	55	0
1,4-Dichlorobenzene	0.954	0.932	-	2.3	20	56	0
p-Diethylbenzene	1.065	1.004	-	5.7	20	52	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Tenen Environmental, LLC		**Lab Number**	: L2200912	
Project Name	: 21-25 31ST STREET		**Project Number**	: 21-25 31ST STREET	
Instrument ID	: ELAINE		**Calibration Date**	: 01/13/22 10:57	
Lab File ID	: VE220113A02		**Init. Calib. Date(s)**	: 01/03/22	01/04/22
Sample No	: WG1594142-2		**Init. Calib. Times**	: 21:26	00:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.548	1.541	-	0.5	20	52	0
1,2-Dichlorobenzene	0.876	0.84	-	4.1	20	55	0
1,2,4,5-Tetramethylbenzene	1.621	1.478	-	8.8	20	51	0
1,2-Dibromo-3-chloropropan	10	7.73	-	22.7*	20	52	0
1,3,5-Trichlorobenzene	0.649	0.623	-	4	20	55	0
Hexachlorobutadiene	0.226	0.215	-	4.9	20	53	0
1,2,4-Trichlorobenzene	0.546	0.521	-	4.6	20	57	0
Naphthalene	1.063	1.096	-	-3.1	20	63	0
1,2,3-Trichlorobenzene	0.465	0.452	-	2.8	20	58	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A02.D
Acq On : 13 Jan 2022 10:57 am
Operator : ELAINE:PD
Sample : WG1594142-2
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:13:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	63	0.00
2	TP	Dichlorodifluoromethane	0.254	0.272	-7.1	58	0.00
3	TP	Chloromethane	0.191	0.171	10.5	49#	0.00
4	TC	Vinyl chloride	0.215	0.207	3.7	52	0.00
5	TP	Bromomethane	0.124	0.155	-25.0#	76	0.00
6	TP	Chloroethane	0.145	0.269	-85.5#	101	0.00
7	TP	Trichlorofluoromethane	0.348	0.469	-34.8#	76	0.00
8	TP	Ethyl ether	0.078	0.088	-12.8	61	0.00
10	TC	1,1-Dichloroethene	0.157	0.143	8.9	50	0.00
11	TP	Carbon disulfide	0.398	0.371	6.8	51	0.00
12	TP	Freon-113	0.157	0.150	4.5	50	0.00
14	TP	Acrolein	0.016	0.015	6.3	59	0.00
15	TP	Methylene chloride	0.174	0.184	-5.7	59	0.00
17	TP	Acetone	* 10.000	12.762	-27.6#	80	0.00
18	TP	trans-1,2-Dichloroethene	0.170	0.154	9.4	53	0.00
19	TP	Methyl acetate	0.063	0.068	-7.9	62	0.00
20	TP	Methyl tert-butyl ether	0.360	0.353	1.9	55	0.00
21	TP	tert-Butyl alcohol	0.00573	0.00474#	17.3	50#	0.00
22	TP	Diisopropyl ether	0.503	0.471	6.4	55	0.00
23	TP	1,1-Dichloroethane	0.318	0.292#	8.2	52	0.00
24	TP	Halothane	0.129	0.121	6.2	55	0.00
25	TP	Acrylonitrile	0.036	0.037	-2.8	60	0.00
26	TP	Ethyl tert-butyl ether	0.439	0.359	18.2	49#	0.00
27	TP	Vinyl acetate	0.292	0.237	18.8	51	0.00
28	TP	cis-1,2-Dichloroethene	0.189	0.176#	6.9	50	0.00
29	TP	2,2-Dichloropropane	0.276	0.156	43.5#	31#	0.00
30	TP	Bromochloromethane	0.080	0.081#	-1.3	60	0.00
31	TP	Cyclohexane	0.308	0.265	14.0	46#	0.00
32	TC	Chloroform	0.309	0.294	4.9	56	0.00
33	TP	Ethyl acetate	0.083	0.071	14.5	51	0.00
34	TP	Carbon tetrachloride	0.226	0.167	26.1#	44#	0.00
35	TP	Tetrahydrofuran	0.025	0.029	-16.0	65	0.00
36	S	Dibromofluoromethane	0.235	0.258	-9.8	66	0.00
37	TP	1,1,1-Trichloroethane	0.268	0.221	17.5	48#	0.00
39	TP	2-Butanone	0.036	0.041	-13.9	78	0.00
40	TP	1,1-Dichloropropene	0.228	0.215	5.7	52	0.00
41	TP	Benzene	0.699	0.665	4.9	56	0.00
42	TP	tert-Amyl methyl ether	0.383	0.321	16.2	52	0.00
43	S	1,2-Dichloroethane-d4	0.251	0.275	-9.6	68	0.00

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A02.D
Acq On : 13 Jan 2022 10:57 am
Operator : ELAINE:PD
Sample : WG1594142-2
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:13:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.197	0.205	-4.1	63	0.00
47	TP	Methyl cyclohexane	0.299	0.270	9.7	52	0.00
48	TP	Trichloroethene	0.178	0.154#	13.5	51	0.00
50	TP	Dibromomethane	0.088	0.087	1.1	58	0.00
51	TC	1,2-Dichloropropane	0.174	0.165	5.2	53	0.00
54	TP	Bromodichloromethane	0.230	0.211#	8.3	54	0.00
57	TP	1,4-Dioxane	0.00057	0.00092#	-61.4#	84	0.00
58	TP	cis-1,3-Dichloropropene	0.257	0.214#	16.7	48#	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	63	0.00
60	S	Toluene-d8	1.325	1.338	-1.0	61	0.00
61	TC	Toluene	0.615	0.575	6.5	55	0.00
62	TP	4-Methyl-2-pentanone	0.043	0.045	-4.7	61	0.00
63	TP	Tetrachloroethene	0.249	0.223	10.4	52	0.00
65	TP	trans-1,3-Dichloropropene	0.286	0.205#	28.3#	42#	0.00
67	TP	Ethyl methacrylate	0.202	0.168	16.8	48#	0.00
68	TP	1,1,2-Trichloroethane	0.134	0.146#	-9.0	64	0.00
69	TP	Chlorodibromomethane	0.189	0.171#	9.5	54	0.00
70	TP	1,3-Dichloropropane	0.287	0.312	-8.7	62	0.00
71	TP	1,2-Dibromoethane	0.155	0.142#	8.4	54	0.00
72	TP	2-Hexanone	0.077	0.071	7.8	53	0.00
73	TP	Chlorobenzene	0.633	0.617	2.5	56	0.00
74	TC	Ethylbenzene	1.165	1.078	7.5	53	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.222	0.165	25.7#	45#	0.00
76	TP	p/m Xylene	0.449	0.410	8.7	53	0.00
77	TP	o Xylene	0.425	0.411	3.3	56	0.00
78	TP	Styrene	0.698	0.674	3.4	56	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	61	0.00
80	TP	Bromoform	0.213	0.172	19.2	53	0.00
82	TP	Isopropylbenzene	2.068	2.015	2.6	53	0.00
83	S	4-Bromofluorobenzene	0.852	0.824	3.3	59	0.00
84	TP	Bromobenzene	0.487	0.475	2.5	56	0.00
85	TP	n-Propylbenzene	2.395	2.430	-1.5	54	0.00
86	TP	1,4-Dichlorobutane	0.506	0.522	-3.2	57	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.320	0.352	-10.0	61	0.00
88	TP	4-Ethyltoluene	2.004	1.918	4.3	53	0.00
89	TP	2-Chlorotoluene	1.651	1.609	2.5	54	0.00
90	TP	1,3,5-Trimethylbenzene	1.705	1.635	4.1	52	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A02.D
Acq On : 13 Jan 2022 10:57 am
Operator : ELAINE:PD
Sample : WG1594142-2
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:13:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane	0.264	0.306	-15.9	67	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.095	0.083	12.6	49#	0.00
93 TP	4-Chlorotoluene	1.475	1.436	2.6	54	0.00
94 TP	tert-Butylbenzene	1.448	1.353	6.6	52	0.00
97 TP	1,2,4-Trimethylbenzene	1.691	1.646	2.7	54	0.00
98 TP	sec-Butylbenzene	2.134	2.119	0.7	53	0.00
99 TP	p-Isopropyltoluene	1.803	1.739	3.5	52	0.00
100 TP	1,3-Dichlorobenzene	0.948	0.922	2.7	55	0.00
101 TP	1,4-Dichlorobenzene	0.954	0.932	2.3	56	0.00
102 TP	p-Diethylbenzene	1.065	1.004	5.7	52	0.00
103 TP	n-Butylbenzene	1.548	1.541	0.5	52	0.00
104 TP	1,2-Dichlorobenzene	0.876	0.840	4.1	55	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.621	1.478	8.8	51	0.00
106 TP	1,2-Dibromo-3-chloropropane *	10.000	7.730	22.7#	52	0.00
107 TP	1,3,5-Trichlorobenzene	0.649	0.623	4.0	55	0.00
108 TP	Hexachlorobutadiene	0.226	0.215	4.9	53	0.00
109 TP	1,2,4-Trichlorobenzene	0.546	0.521	4.6	57	0.00
110 TP	Naphthalene	1.063	1.096	-3.1	63	0.00
111 TP	1,2,3-Trichlorobenzene	0.465	0.452	2.8	58	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 12 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A02.D
Acq On : 13 Jan 2022 10:57 am
Operator : ELAINE:PD
Sample : WG1594142-2
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:13:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.356	96	117975	10.000	ug/L		0.00
59) Chlorobenzene-d5	8.417	117	86573	10.000	ug/L		0.00
79) 1,4-Dichlorobenzene-d4	9.919	152	45323	10.000	ug/L		0.00
System Monitoring Compounds							
36) Dibromofluoromethane	4.352	113	30419	10.990	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.90%				
43) 1,2-Dichloroethane-d4	5.008	65	32432	10.941	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.41%				
60) Toluene-d8	7.081	98	115857	10.099	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.99%				
83) 4-Bromofluorobenzene	9.248	95	37344	9.673	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.73%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.910	85	32112	10.713	ug/L		96
3) Chloromethane	1.024	50	20117	8.907	ug/L		97
4) Vinyl chloride	1.074	62	24458	9.647	ug/L		96
5) Bromomethane	1.272	94	18324	12.570	ug/L		97
6) Chloroethane	1.350	64	31747	18.535	ug/L		95
7) Trichlorofluoromethane	1.442	101	55357	13.496	ug/L		95
8) Ethyl ether	1.667	74	10394	11.321	ug/L	#	58
10) 1,1-Dichloroethene	1.792	96	16898	9.121	ug/L	#	67
11) Carbon disulfide	1.798	76	43752	9.324	ug/L		93
12) Freon-113	1.831	101	17661	9.558	ug/L		96
14) Acrolein	2.059	56	1715M3	9.108	ug/L		
15) Methylene chloride	2.262	84	21680	10.549	ug/L		69
17) Acetone	2.318	43	3531	12.762	ug/L		96
18) trans-1,2-Dichloroethene	2.399	96	18175	9.057	ug/L		73
19) Methyl acetate	2.440	43	7993	10.753	ug/L		94
20) Methyl tert-butyl ether	2.513	73	41602M1	9.790	ug/L		
21) tert-Butyl alcohol	2.666	59	2797M1	41.355	ug/L		
22) Diisopropyl ether	2.922	45	55609	9.376	ug/L	#	85
23) 1,1-Dichloroethane	3.011	63	34397	9.167	ug/L		98
24) Halothane	3.155	117	14259	9.343	ug/L		99
25) Acrylonitrile	3.083	53	4398	10.370	ug/L	#	83
26) Ethyl tert-butyl ether	3.342	59	42323M1	8.179	ug/L		
27) Vinyl acetate	3.361	43	28003	8.115	ug/L		96
28) cis-1,2-Dichloroethene	3.673	96	20791	9.332	ug/L	#	67
29) 2,2-Dichloropropane	3.804	77	18361	5.636	ug/L	#	70

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A02.D
Acq On : 13 Jan 2022 10:57 am
Operator : ELAINE:PD
Sample : WG1594142-2
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:13:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Bromochloromethane	3.934	128	9506	10.039	ug/L	#	64
31) Cyclohexane	3.893	56	31243	8.585	ug/L	#	61
32) Chloroform	4.101	83	34699	9.515	ug/L		97
33) Ethyl acetate	4.355	43	8435M4	8.603	ug/L		
34) Carbon tetrachloride	4.221	117	19699	7.399	ug/L	#	89
35) Tetrahydrofuran	4.296	42	3421M1	11.821	ug/L		
37) 1,1,1-Trichloroethane	4.318	97	26030	8.245	ug/L		96
39) 2-Butanone	4.547	43	4893	11.616	ug/L		93
40) 1,1-Dichloropropene	4.505	75	25396	9.451	ug/L		95
41) Benzene	4.819	78	78500	9.515	ug/L		89
42) tert-Amyl methyl ether	5.047	73	37823	8.362	ug/L		94
44) 1,2-Dichloroethane	5.092	62	24191	10.386	ug/L		94
47) Methyl cyclohexane	5.504	83	31906	9.035	ug/L	#	63
48) Trichloroethene	5.554	95	18196	8.655	ug/L		90
50) Dibromomethane	6.016	93	10316	9.913	ug/L		91
51) 1,2-Dichloropropane	6.127	63	19490	9.480	ug/L		92
54) Bromodichloromethane	6.241	83	24873	9.167	ug/L		99
57) 1,4-Dioxane	6.466	88	5420	808.723	ug/L	#	68
58) cis-1,3-Dichloropropene	6.909	75	25278	8.332	ug/L		98
61) Toluene	7.131	92	49746	9.348	ug/L		99
62) 4-Methyl-2-pentanone	7.560	58	3855	10.453	ug/L	#	84
63) Tetrachloroethene	7.496	166	19265	8.926	ug/L		91
65) trans-1,3-Dichloropropene	7.579	75	17770	7.188	ug/L		94
67) Ethyl methacrylate	7.768	69	14533	8.297	ug/L		97
68) 1,1,2-Trichloroethane	7.713	83	12617	10.870	ug/L		96
69) Chlorodibromomethane	7.846	129	14762	9.019	ug/L		99
70) 1,3-Dichloropropane	7.927	76	26993	10.853	ug/L		99
71) 1,2-Dibromoethane	8.008	107	12324	9.157	ug/L		95
72) 2-Hexanone	8.258	43	6130	9.155	ug/L		93
73) Chlorobenzene	8.428	112	53385	9.740	ug/L		90
74) Ethylbenzene	8.467	91	93327	9.255	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.489	131	14265	7.422	ug/L		95
76) p/m Xylene	8.578	106	70962	18.240	ug/L		96
77) o Xylene	8.865	106	71138	19.322	ug/L		87
78) Styrene	8.903	104	116665	19.311	ug/L		86
80) Bromoform	8.909	173	7806	8.103	ug/L		95
82) Isopropylbenzene	9.076	105	91311	9.741	ug/L		97
84) Bromobenzene	9.301	156	21513	9.742	ug/L		97
85) n-Propylbenzene	9.338	91	110121	10.143	ug/L		98
86) 1,4-Dichlorobutane	9.349	55	23647	10.311	ug/L		95
87) 1,1,2,2-Tetrachloroethane	9.396	83	15952	11.003	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A02.D
Acq On : 13 Jan 2022 10:57 am
Operator : ELAINE:PD
Sample : WG1594142-2
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:13:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
88) 4-Ethyltoluene	9.410	105	86927	9.572	ug/L		96
89) 2-Chlorotoluene	9.421	91	72934	9.747	ug/L		95
90) 1,3,5-Trimethylbenzene	9.466	105	74100	9.588	ug/L		91
91) 1,2,3-Trichloropropane	9.466	75	13884	11.583	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.499	53	3772	8.742	ug/L	#	77
93) 4-Chlorotoluene	9.527	91	65073	9.732	ug/L		95
94) tert-Butylbenzene	9.649	119	61317	9.342	ug/L		96
97) 1,2,4-Trimethylbenzene	9.694	105	74614	9.735	ug/L		95
98) sec-Butylbenzene	9.755	105	96059	9.934	ug/L		100
99) p-Isopropyltoluene	9.844	119	78826	9.647	ug/L		97
100) 1,3-Dichlorobenzene	9.874	146	41776	9.718	ug/L		98
101) 1,4-Dichlorobenzene	9.930	146	42261	9.777	ug/L		97
102) p-Diethylbenzene	10.053	119	45492	9.429	ug/L		95
103) n-Butylbenzene	10.086	91	69865	9.959	ug/L		98
104) 1,2-Dichlorobenzene	10.169	146	38055	9.586	ug/L		98
105) 1,2,4,5-Tetramethylben...	10.512	119	66980	9.114	ug/L		98
106) 1,2-Dibromo-3-chloropr...	10.626	155	1642	7.730	ug/L		96
107) 1,3,5-Trichlorobenzene	10.640	180	28216	9.589	ug/L		92
108) Hexachlorobutadiene	10.985	225	9725	9.483	ug/L		95
109) 1,2,4-Trichlorobenzene	11.001	180	23608	9.536	ug/L		97
110) Naphthalene	11.179	128	49674	10.313	ug/L		100
111) 1,2,3-Trichlorobenzene	11.282	180	20484	9.716	ug/L		99

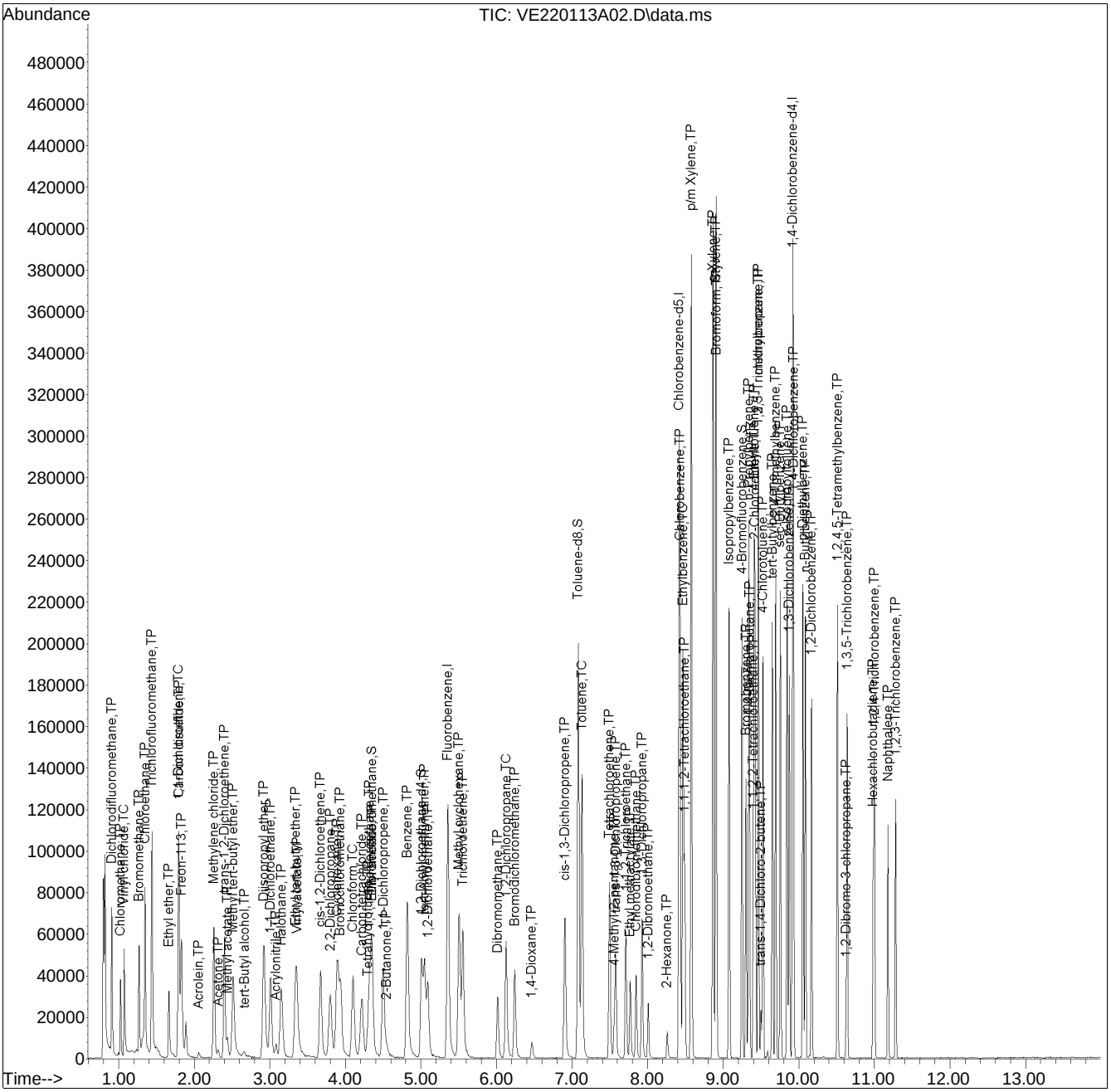
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A02.D
Acq On : 13 Jan 2022 10:57 am
Operator : ELAINE:PD
Sample : WG1594142-2
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:13:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

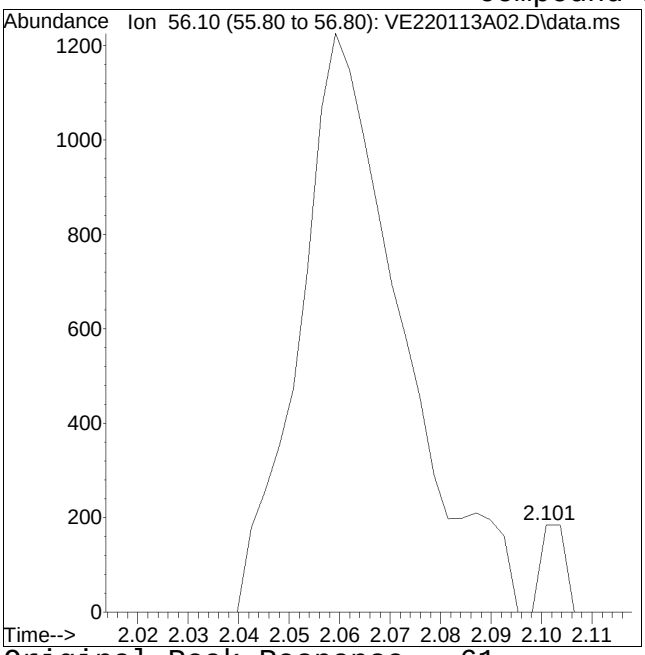
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



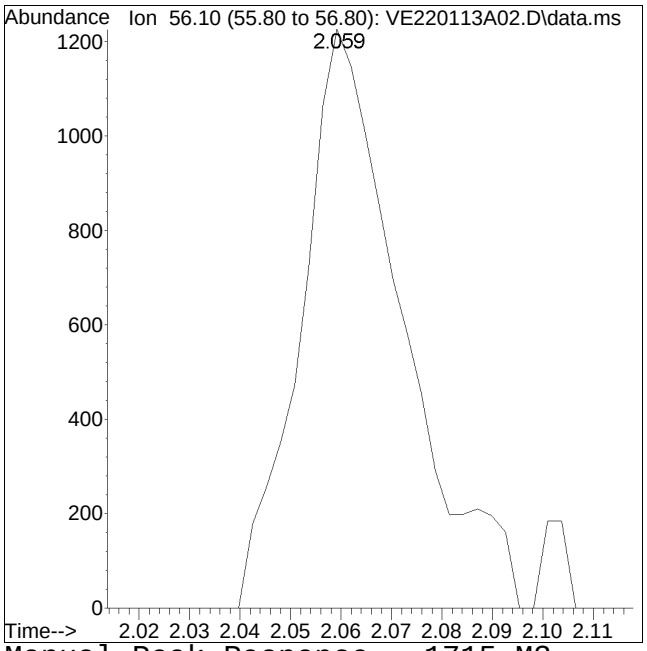
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220113A02.D Operator : ELAINE:PD
Date Inj'd : 1/13/2022 10:57 am Instrument : Elaine
Sample : WG1594142-2 Quant Date : 1/13/2022 11:11 am

Compound #14: Acrolein



Original Peak Response = 61



Manual Peak Response = 1715 M3

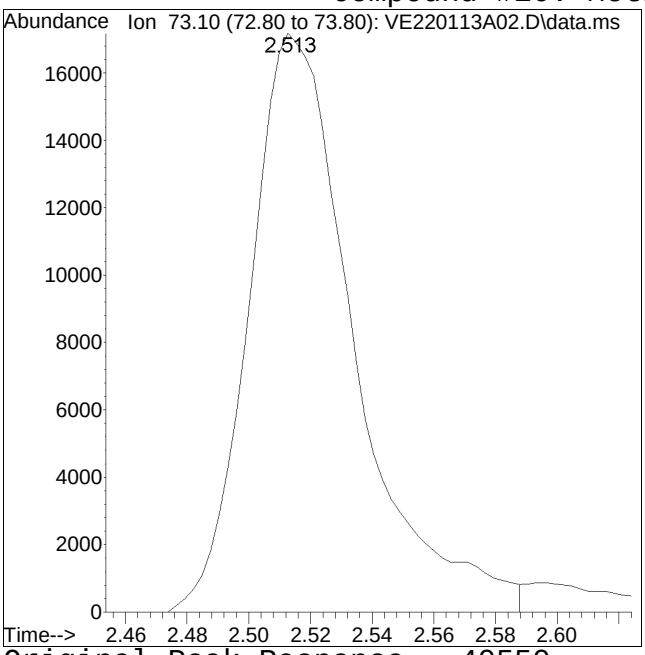
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

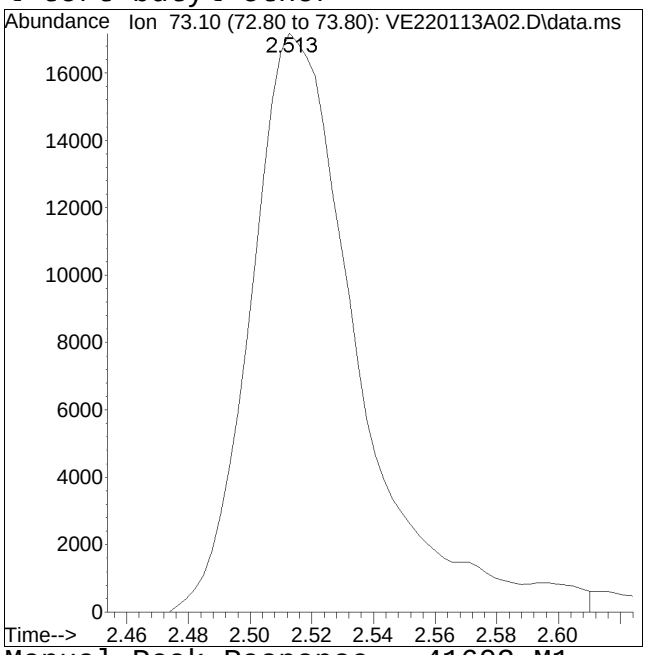
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220113A02.D
Date Inj'd : 1/13/2022 10:57 am
Sample : WG1594142-2

Method : Elaine_220103N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 1/13/2022 11:11 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 40550



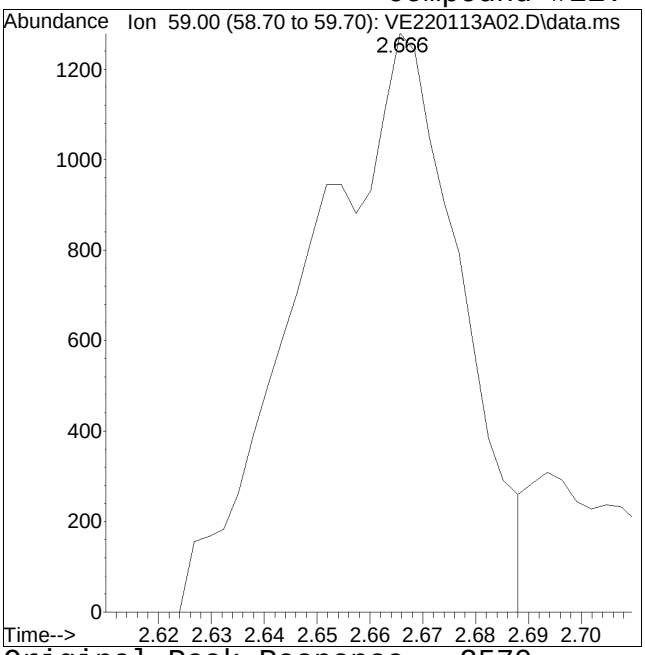
Manual Peak Response = 41602 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

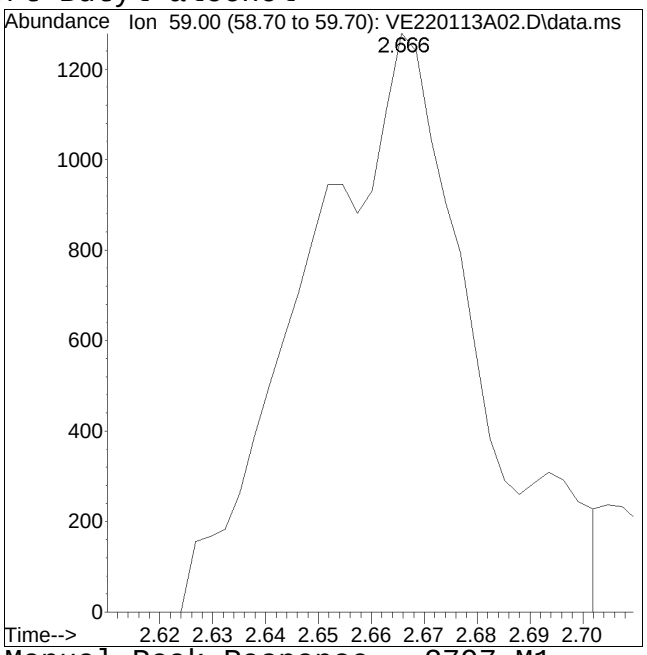
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220113A02.D Operator : ELAINE:PD
Date Inj'd : 1/13/2022 10:57 am Instrument : Elaine
Sample : WG1594142-2 Quant Date : 1/13/2022 11:11 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 2570



Manual Peak Response = 2797 M1

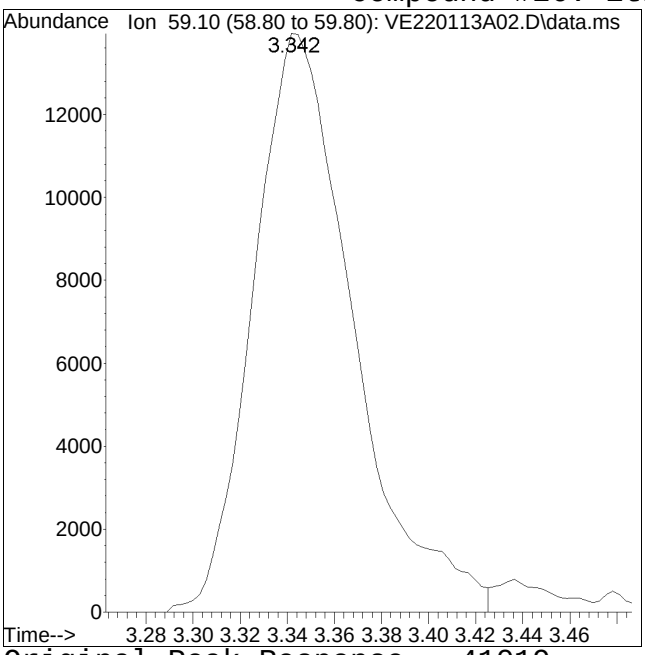
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

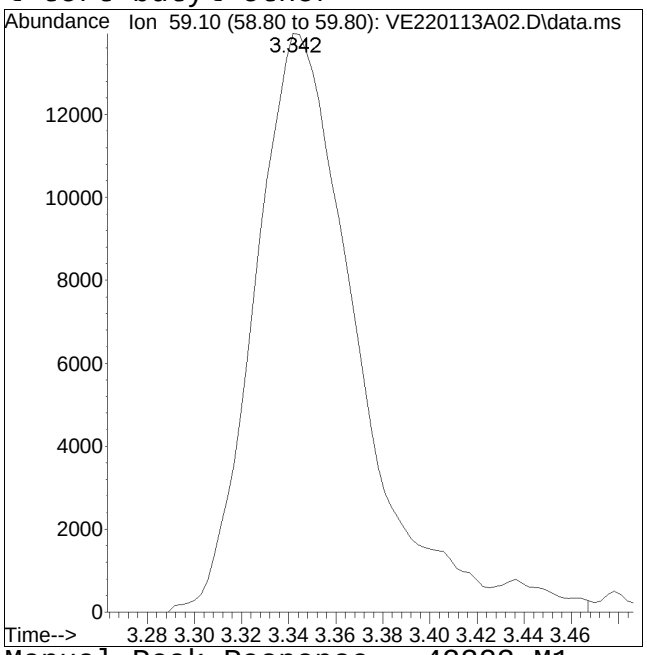
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220113A02.D
Date Inj'd : 1/13/2022 10:57 am
Sample : WG1594142-2

Method : Elaine_220103N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 1/13/2022 11:11 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 41019

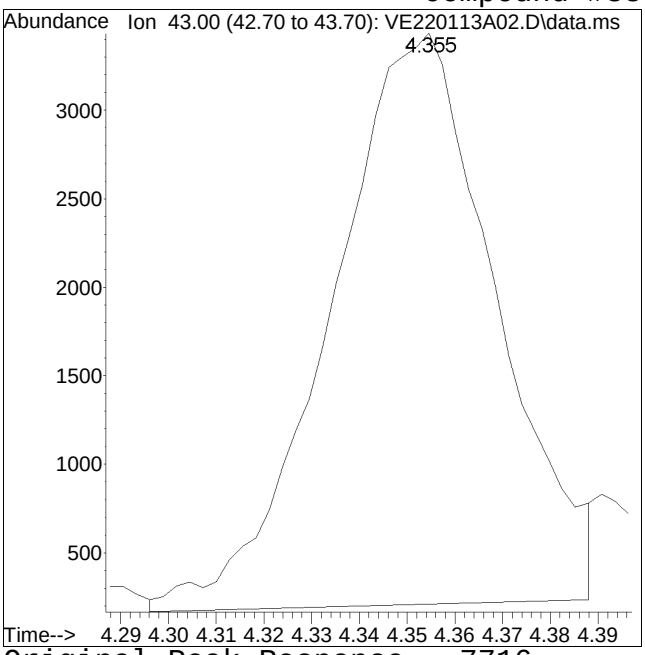


Manual Peak Response = 42323 M1

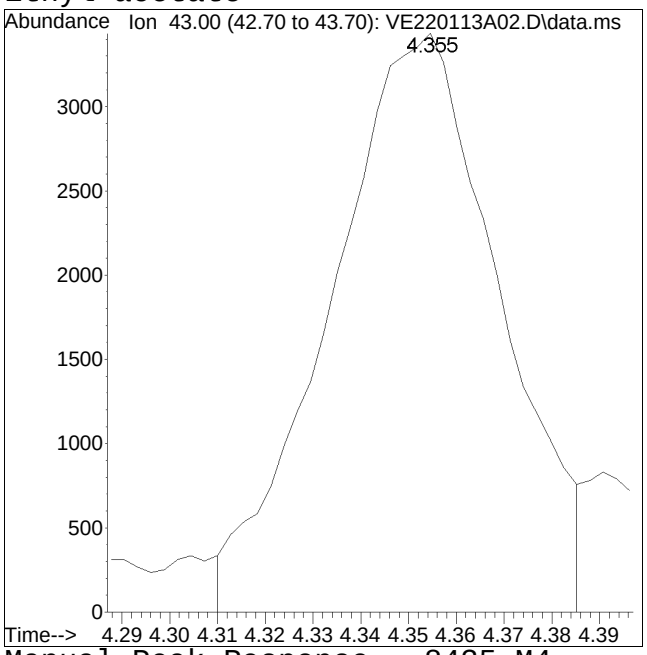
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220113A02.D Operator : ELAINE:PD
Date Inj'd : 1/13/2022 10:57 am Instrument : Elaine
Sample : WG1594142-2 Quant Date : 1/13/2022 11:11 am

Compound #33: Ethyl acetate



Original Peak Response = 7716



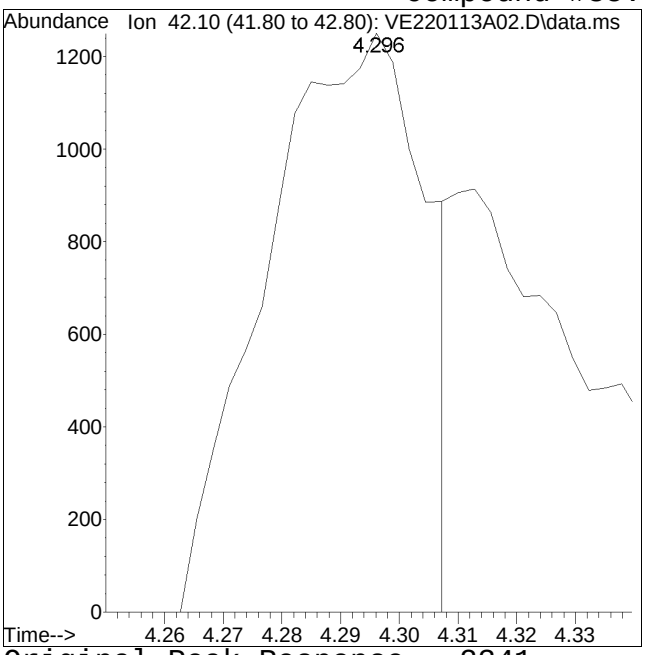
Manual Peak Response = 8435 M4

M4 = Poor automated baseline construction.

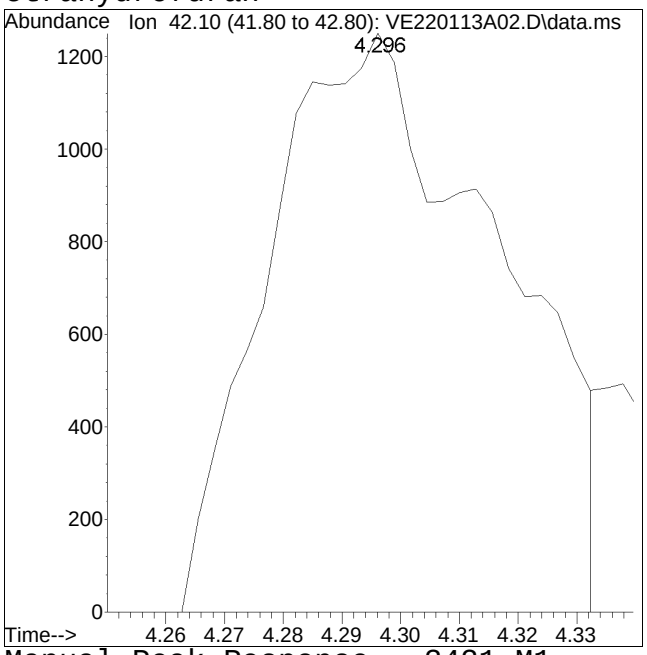
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220113A02.D Operator : ELAINE:PD
Date Inj'd : 1/13/2022 10:57 am Instrument : Elaine
Sample : WG1594142-2 Quant Date : 1/13/2022 11:11 am

Compound #35: Tetrahydrofuran



Original Peak Response = 2341



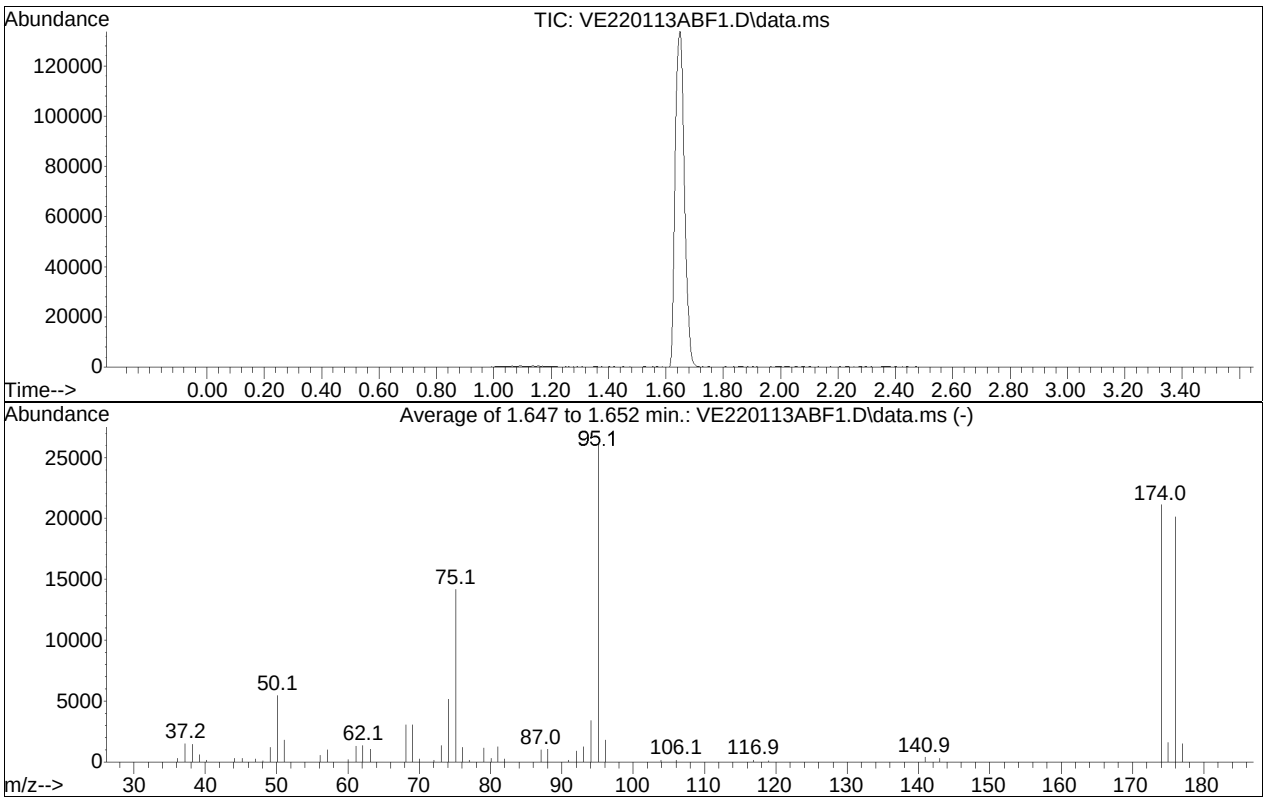
Manual Peak Response = 3421 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113ABF1.D
Acq On : 13 Jan 2022 10:19 am
Operator : ELAINE:PD
Sample : WG1594142-1
Misc : WG1594142
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jan 04 15:18:37 2022



AutoFind: Scans 236, 237, 238; Background Corrected with Scan 222

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.9	5481	PASS
75	95	30	60	54.1	14196	PASS
95	95	100	100	100.0	26221	PASS
96	95	5	9	6.9	1816	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	80.6	21136	PASS
175	174	5	9	7.7	1623	PASS
176	174	95	101	95.2	20123	PASS
177	176	5	9	7.5	1512	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A05.D
Acq On : 13 Jan 2022 11:57 am
Operator : ELAINE:PD
Sample : WG1594142-5,31,10,10
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 12:12:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.356	96	107289	10.000	ug/L	0.00
Standard Area 1 = 117975			Recovery = 90.94%			
59) Chlorobenzene-d5	8.416	117	78164	10.000	ug/L	0.00
Standard Area 1 = 86573			Recovery = 90.29%			
79) 1,4-Dichlorobenzene-d4	9.919	152	39277	10.000	ug/L	0.00
Standard Area 1 = 45323			Recovery = 86.66%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.354	113	26773	10.636	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.36%			
43) 1,2-Dichloroethane-d4	5.008	65	27246	10.107	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.07%			
60) Toluene-d8	7.081	98	103615	10.003	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.03%			
83) 4-Bromofluorobenzene	9.248	95	33123	9.901	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.01%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.799	85	153	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.	d	
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	1.606	101	26	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
15) Methylene chloride	2.257	84	52	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	3.183	43	55	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A05.D
Acq On : 13 Jan 2022 11:57 am
Operator : ELAINE:PD
Sample : WG1594142-5,31,10,10
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 12:12:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	5.498	95	28		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	d
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	8.464	91	103		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	9.240	91	227		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D.	
89) 2-Chlorotoluene	9.529	91	175		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	9.529	91	175		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A05.D
Acq On : 13 Jan 2022 11:57 am
Operator : ELAINE:PD
Sample : WG1594142-5,31,10,10
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 12:12:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
98)	sec-Butylbenzene	0.000		0		N.D.	
99)	p-Isopropyltoluene	9.844	119	94		N.D.	
100)	1,3-Dichlorobenzene	9.872	146	53		N.D.	
101)	1,4-Dichlorobenzene	9.872	146	53		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	10.083	91	139		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	10.998	180	27		N.D.	
110)	Naphthalene	11.185	128	218		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

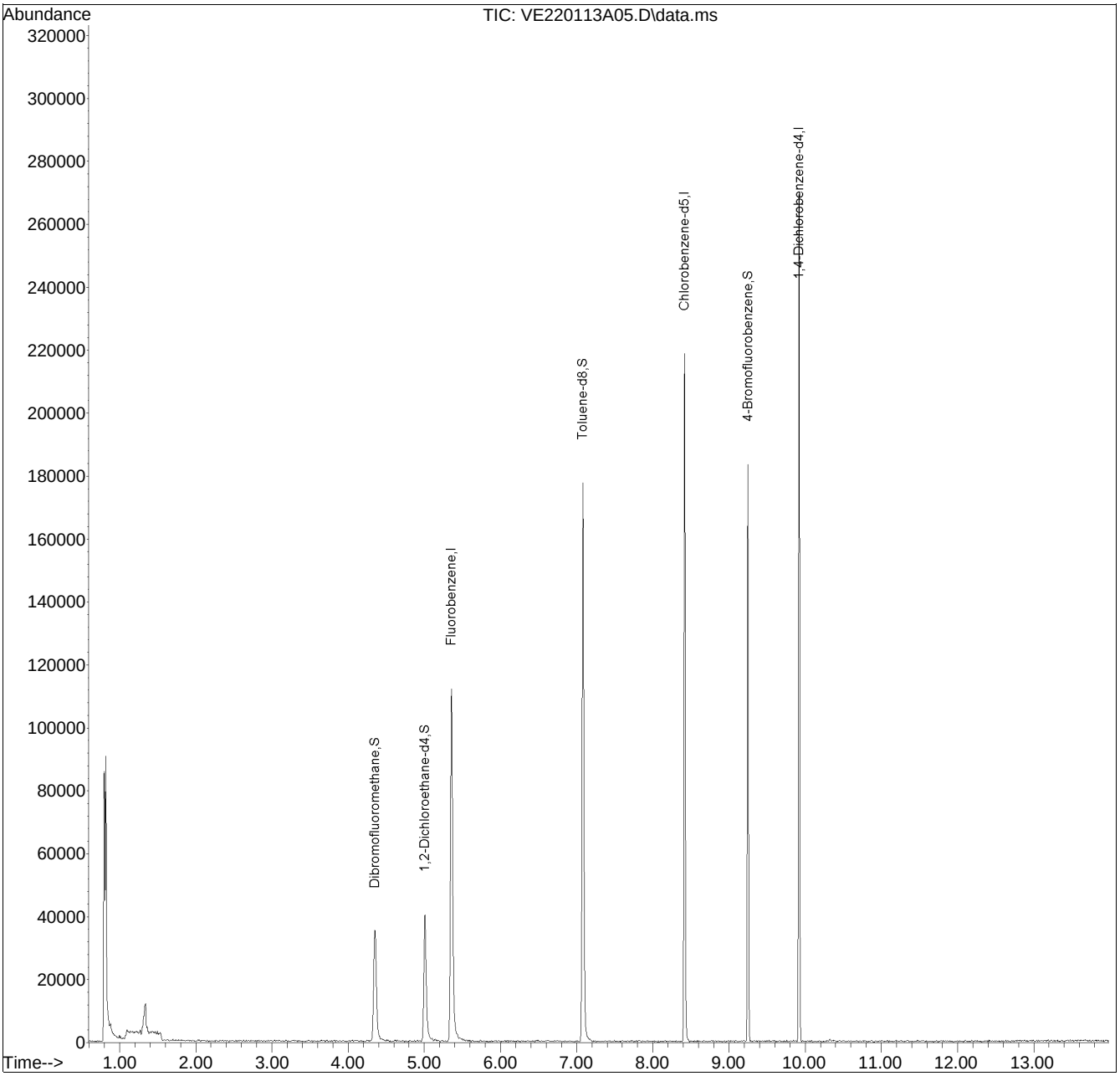
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A05.D
Acq On : 13 Jan 2022 11:57 am
Operator : ELAINE:PD
Sample : WG1594142-5,31,10,10
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 12:12:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2022\2Q	Method	: Elaine_220103N_8260.m
Data File	: VE220113A05.D	Operator	: ELAINE:PD
Date Inj'd	: 1/13/2022 11:57 am	Instrument	: Elaine
Sample	: WG1594142-5,31,10,10	Quant Date	: 1/13/2022 12:11 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A02.D
Acq On : 13 Jan 2022 10:57 am
Operator : ELAINE:PD
Sample : WG1594142-3,31,10,10
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:13:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.356	96	117975	10.000	ug/L		0.00
59) Chlorobenzene-d5	8.417	117	86573	10.000	ug/L		0.00
79) 1,4-Dichlorobenzene-d4	9.919	152	45323	10.000	ug/L		0.00
System Monitoring Compounds							
36) Dibromofluoromethane	4.352	113	30419	10.990	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.90%				
43) 1,2-Dichloroethane-d4	5.008	65	32432	10.941	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.41%				
60) Toluene-d8	7.081	98	115857	10.099	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.99%				
83) 4-Bromofluorobenzene	9.248	95	37344	9.673	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.73%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.910	85	32112	10.713	ug/L		96
3) Chloromethane	1.024	50	20117	8.907	ug/L		97
4) Vinyl chloride	1.074	62	24458	9.647	ug/L		96
5) Bromomethane	1.272	94	18324	12.570	ug/L		97
6) Chloroethane	1.350	64	31747	18.535	ug/L		95
7) Trichlorofluoromethane	1.442	101	55357	13.496	ug/L		95
8) Ethyl ether	1.667	74	10394	11.321	ug/L	#	58
10) 1,1-Dichloroethene	1.792	96	16898	9.121	ug/L	#	67
11) Carbon disulfide	1.798	76	43752	9.324	ug/L		93
15) Methylene chloride	2.262	84	21680	10.549	ug/L		69
17) Acetone	2.318	43	3531	12.762	ug/L		96
18) trans-1,2-Dichloroethene	2.399	96	18175	9.057	ug/L		73
20) Methyl tert-butyl ether	2.513	73	41602M1	9.790	ug/L		
23) 1,1-Dichloroethane	3.011	63	34397	9.167	ug/L		98
25) Acrylonitrile	3.083	53	4398	10.370	ug/L	#	83
27) Vinyl acetate	3.361	43	28003	8.115	ug/L		96
28) cis-1,2-Dichloroethene	3.673	96	20791	9.332	ug/L	#	67
29) 2,2-Dichloropropane	3.804	77	18361	5.636	ug/L	#	70
30) Bromochloromethane	3.934	128	9506	10.039	ug/L	#	64
32) Chloroform	4.101	83	34699	9.515	ug/L		97
34) Carbon tetrachloride	4.221	117	19699	7.399	ug/L	#	89
37) 1,1,1-Trichloroethane	4.318	97	26030	8.245	ug/L		96
39) 2-Butanone	4.547	43	4893	11.616	ug/L		93
40) 1,1-Dichloropropene	4.505	75	25396	9.451	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A02.D
Acq On : 13 Jan 2022 10:57 am
Operator : ELAINE:PD
Sample : WG1594142-3,31,10,10
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:13:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Benzene	4.819	78	78500	9.515	ug/L		89
44) 1,2-Dichloroethane	5.092	62	24191	10.386	ug/L		94
48) Trichloroethene	5.554	95	18196	8.655	ug/L		90
50) Dibromomethane	6.016	93	10316	9.913	ug/L		91
51) 1,2-Dichloropropane	6.127	63	19490	9.480	ug/L		92
54) Bromodichloromethane	6.241	83	24873	9.167	ug/L		99
57) 1,4-Dioxane	6.466	88	5420	808.723	ug/L	#	68
58) cis-1,3-Dichloropropene	6.909	75	25278	8.332	ug/L		98
61) Toluene	7.131	92	49746	9.348	ug/L		99
62) 4-Methyl-2-pentanone	7.560	58	3855	10.453	ug/L	#	84
63) Tetrachloroethene	7.496	166	19265	8.926	ug/L		91
65) trans-1,3-Dichloropropene	7.579	75	17770	7.188	ug/L		94
68) 1,1,2-Trichloroethane	7.713	83	12617	10.870	ug/L		96
69) Chlorodibromomethane	7.846	129	14762	9.019	ug/L		99
70) 1,3-Dichloropropane	7.927	76	26993	10.853	ug/L		99
71) 1,2-Dibromoethane	8.008	107	12324	9.157	ug/L		95
72) 2-Hexanone	8.258	43	6130	9.155	ug/L		93
73) Chlorobenzene	8.428	112	53385	9.740	ug/L		90
74) Ethylbenzene	8.467	91	93327	9.255	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.489	131	14265	7.422	ug/L		95
76) p/m Xylene	8.578	106	70962	18.240	ug/L		96
77) o Xylene	8.865	106	71138	19.322	ug/L		87
78) Styrene	8.903	104	116665	19.311	ug/L		86
80) Bromoform	8.909	173	7806	8.103	ug/L		95
82) Isopropylbenzene	9.076	105	91311	9.741	ug/L		97
84) Bromobenzene	9.301	156	21513	9.742	ug/L		97
85) n-Propylbenzene	9.338	91	110121	10.143	ug/L		98
87) 1,1,2,2-Tetrachloroethane	9.396	83	15952	11.003	ug/L		90
88) 4-Ethyltoluene	9.410	105	86927	9.572	ug/L		96
89) 2-Chlorotoluene	9.421	91	72934	9.747	ug/L		95
90) 1,3,5-Trimethylbenzene	9.466	105	74100	9.588	ug/L		91
91) 1,2,3-Trichloropropane	9.466	75	13884	11.583	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.499	53	3772	8.742	ug/L	#	77
93) 4-Chlorotoluene	9.527	91	65073	9.732	ug/L		95
94) tert-Butylbenzene	9.649	119	61317	9.342	ug/L		96
97) 1,2,4-Trimethylbenzene	9.694	105	74614	9.735	ug/L		95
98) sec-Butylbenzene	9.755	105	96059	9.934	ug/L		100
99) p-Isopropyltoluene	9.844	119	78826	9.647	ug/L		97
100) 1,3-Dichlorobenzene	9.874	146	41776	9.718	ug/L		98
101) 1,4-Dichlorobenzene	9.930	146	42261	9.777	ug/L		97

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A02.D
Acq On : 13 Jan 2022 10:57 am
Operator : ELAINE:PD
Sample : WG1594142-3,31,10,10
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:13:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	p-Diethylbenzene	10.053	119	45492	9.429	ug/L	95
103)	n-Butylbenzene	10.086	91	69865	9.959	ug/L	98
104)	1,2-Dichlorobenzene	10.169	146	38055	9.586	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.512	119	66980	9.114	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.626	155	1642	7.730	ug/L	96
108)	Hexachlorobutadiene	10.985	225	9725	9.483	ug/L	95
109)	1,2,4-Trichlorobenzene	11.001	180	23608	9.536	ug/L	97
110)	Naphthalene	11.179	128	49674	10.313	ug/L	100
111)	1,2,3-Trichlorobenzene	11.282	180	20484	9.716	ug/L	99

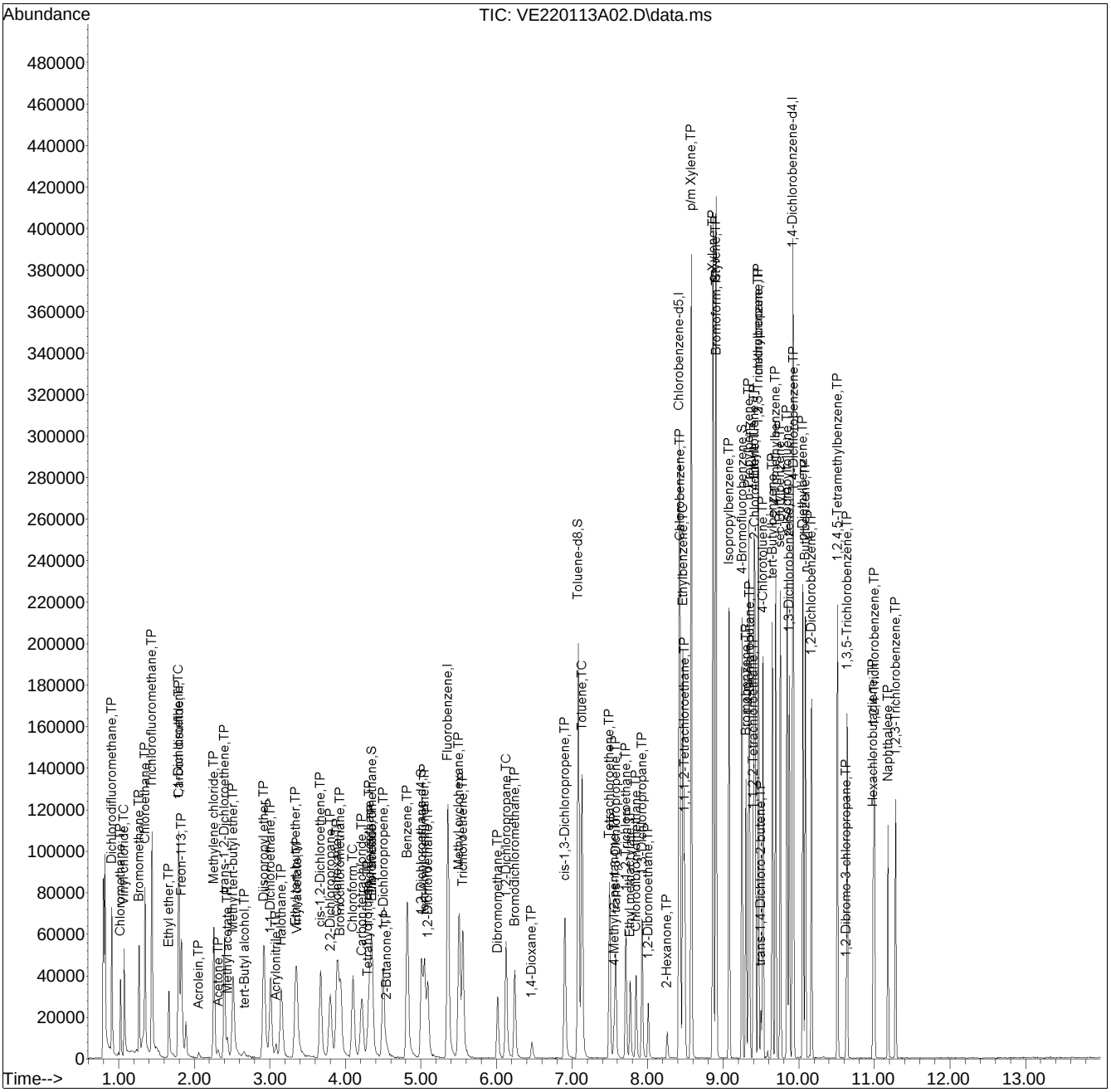
(#) = qualifier out of range (m) = manual integration (+) = signals summed

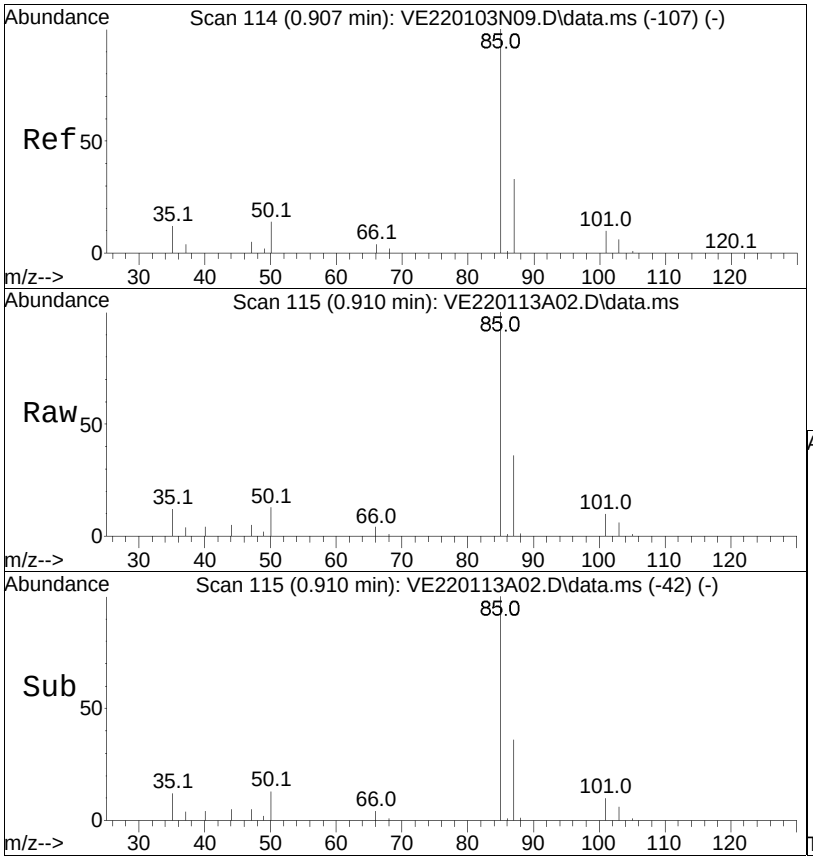
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A02.D
Acq On : 13 Jan 2022 10:57 am
Operator : ELAINE:PD
Sample : WG1594142-3,31,10,10
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:13:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

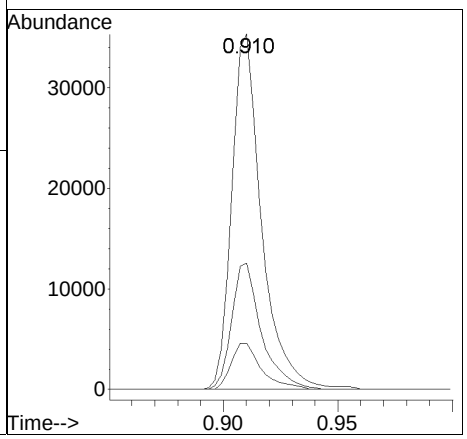


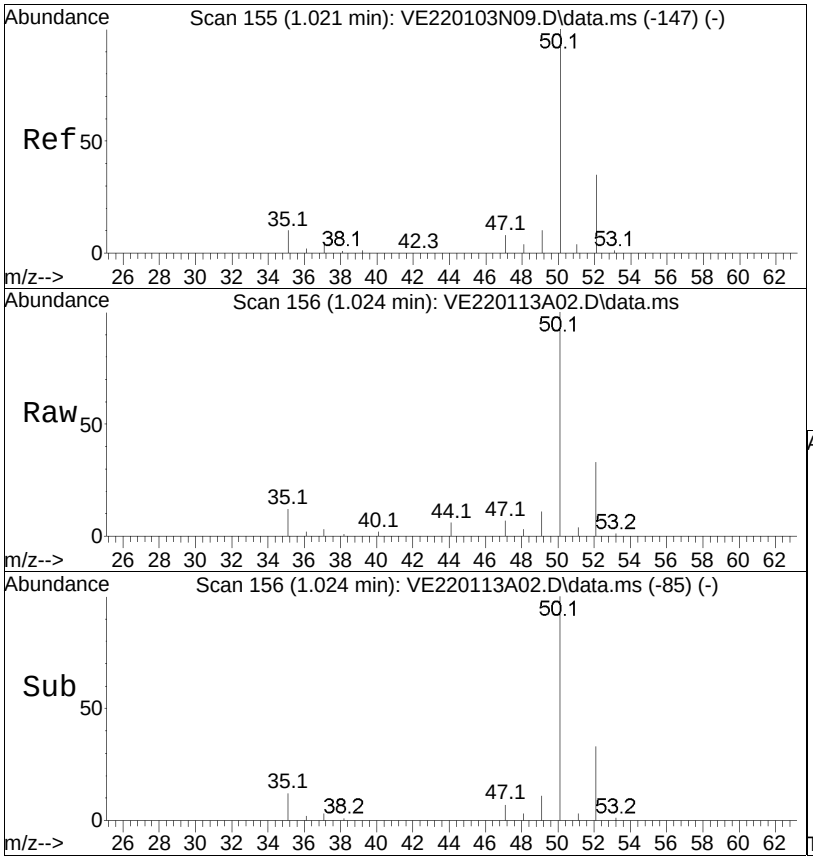


#2
Dichlorodifluoromethane
Concen: 10.71 ug/L
RT: 0.910 min Scan# 115
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 85 Resp: 32112

Ion	Ratio	Lower	Upper
85	100		
87	35.3	21.0	43.6
50	13.2	8.9	18.5

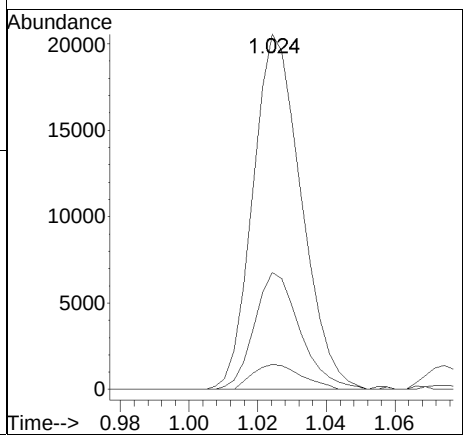


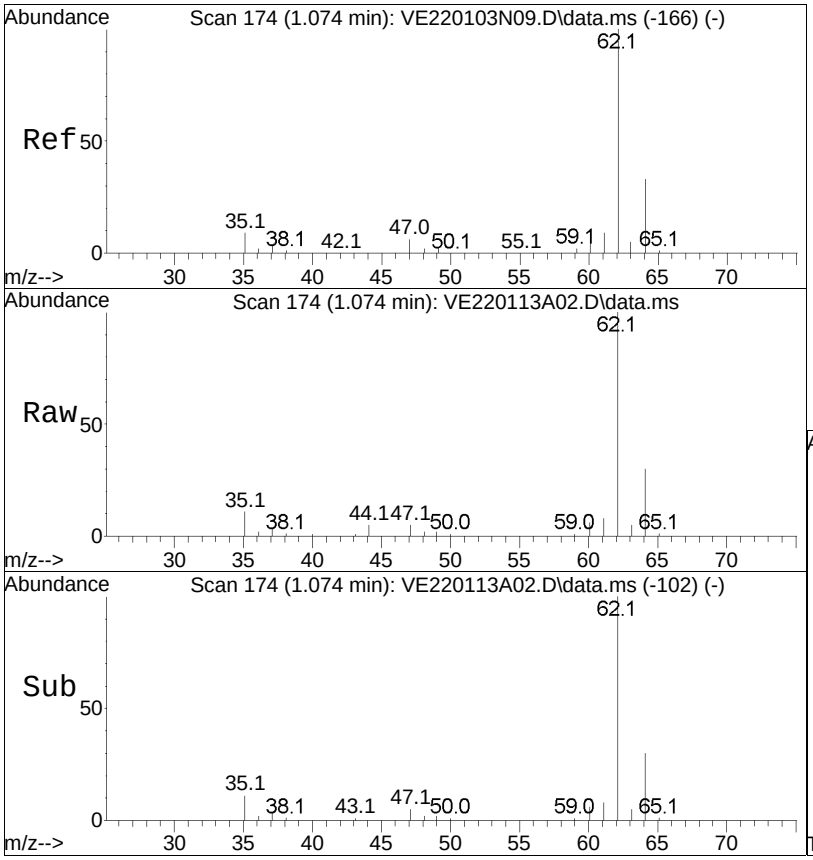


#3
Chloromethane
Concen: 8.91 ug/L
RT: 1.024 min Scan# 156
Delta R.T. -0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 50 Resp: 20117

Ion	Ratio	Lower	Upper
50	100		
52	31.1	12.9	52.9
47	7.2	0.0	28.3

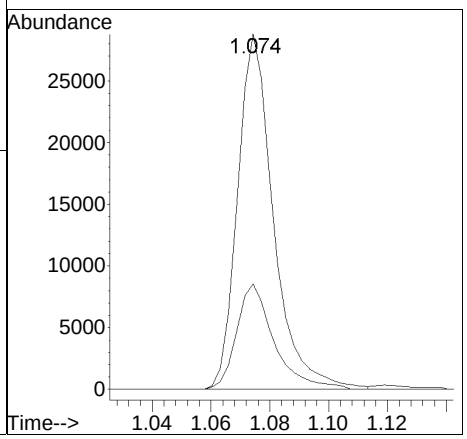


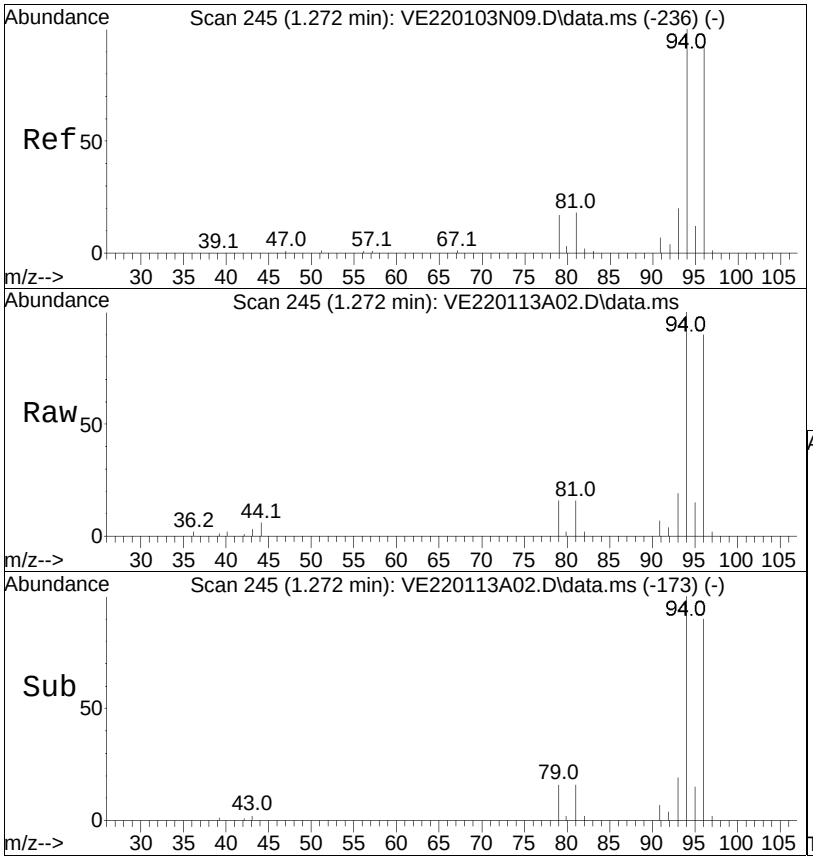


#4
Vinyl chloride
Concen: 9.65 ug/L
RT: 1.074 min Scan# 174
Delta R.T. 0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 62 Resp: 24458

Ion	Ratio	Lower	Upper
62	100		
64	31.0	9.1	49.1

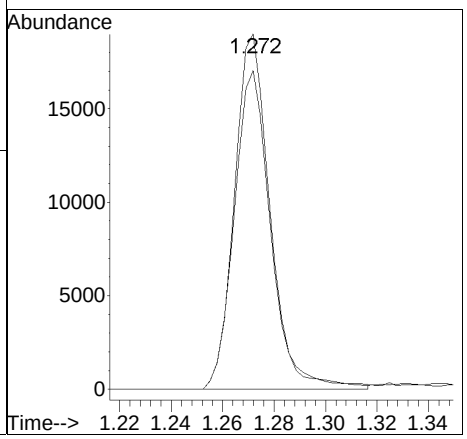


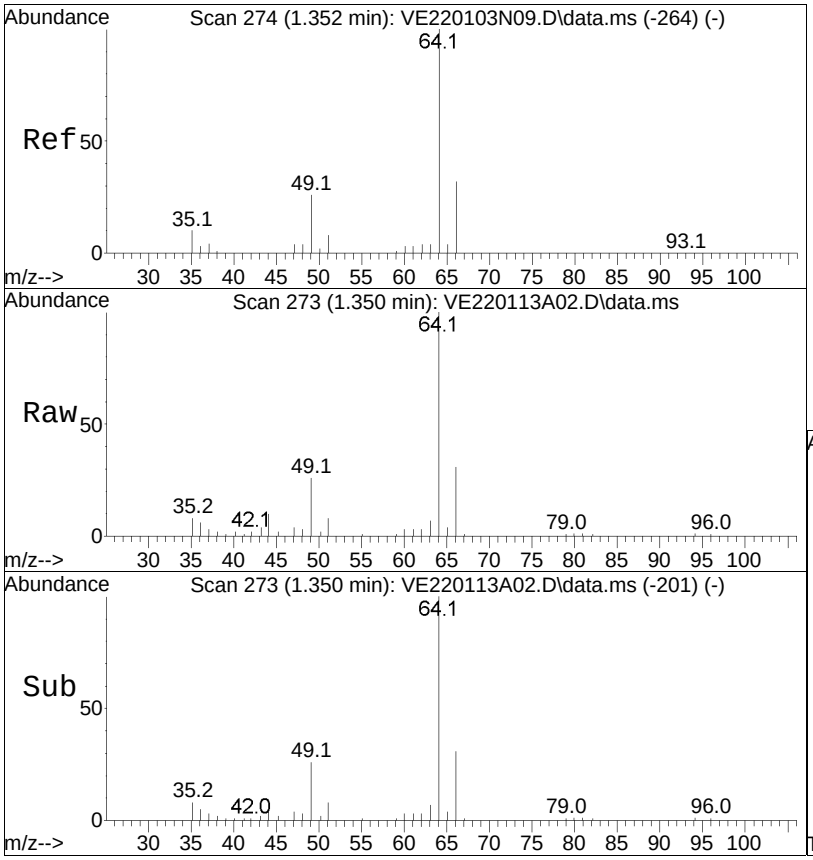


#5
Bromomethane
Concen: 12.57 ug/L
RT: 1.272 min Scan# 245
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 94 Resp: 18324

Ion	Ratio	Lower	Upper
94	100		
96	92.8	75.6	115.6

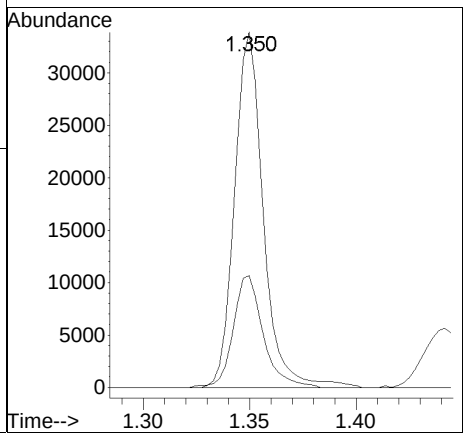


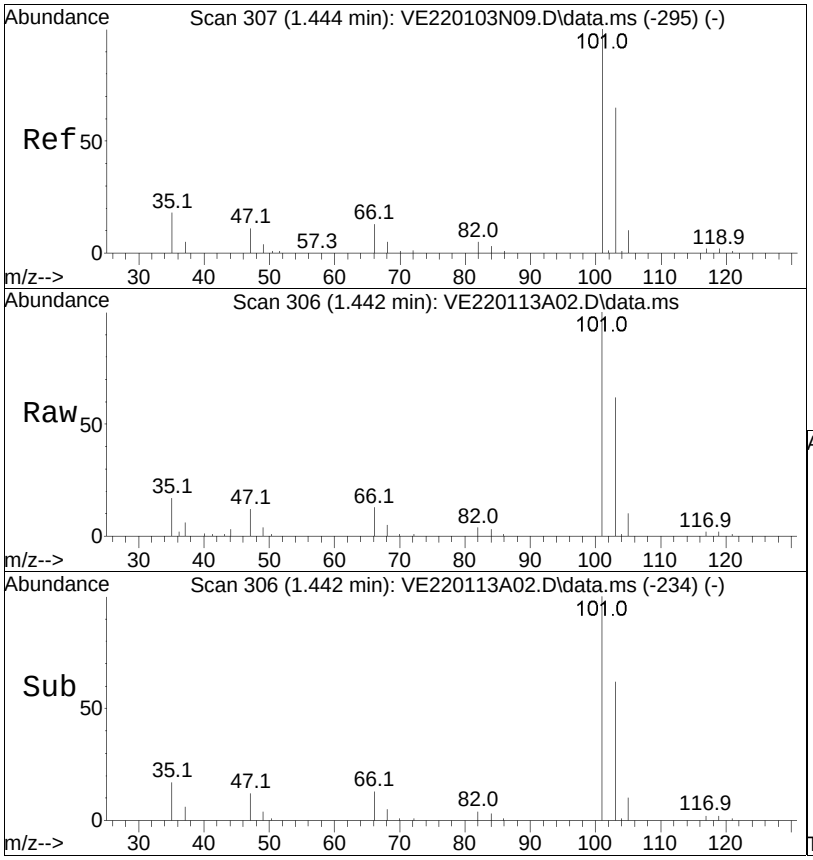


#6
Chloroethane
Concen: 18.53 ug/L
RT: 1.350 min Scan# 273
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 64 Resp: 31747

Ion	Ratio	Lower	Upper
64	100		
66	32.8	9.8	49.8

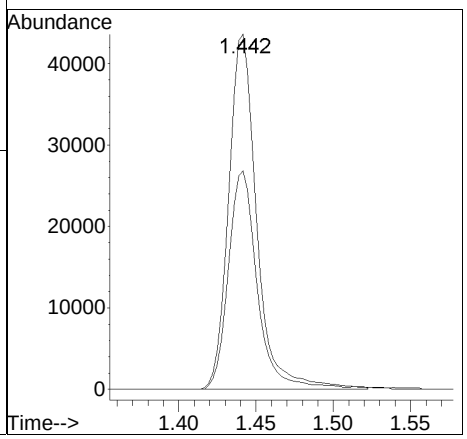


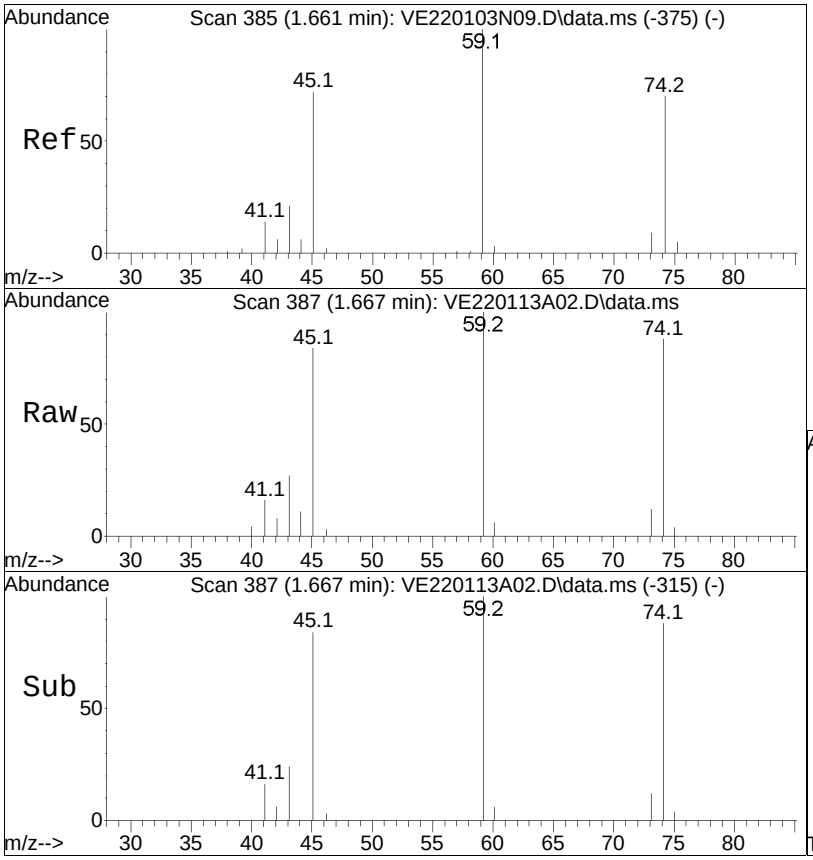


#7
Trichlorofluoromethane
Concen: 13.50 ug/L
RT: 1.442 min Scan# 306
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:101 Resp: 55357

Ion	Ratio	Lower	Upper
101	100		
103	63.2	53.8	80.6

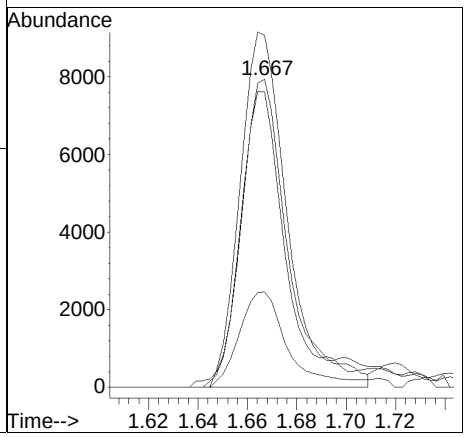


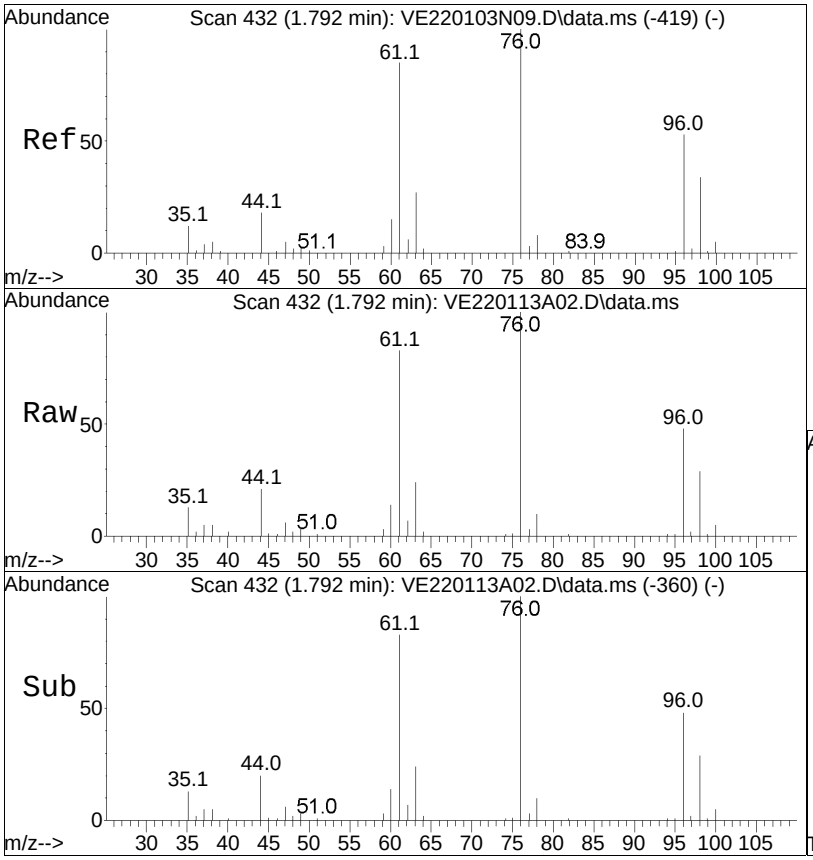


#8
Ethyl ether
Concen: 11.32 ug/L
RT: 1.667 min Scan# 387
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 74 Resp: 10394

Ion	Ratio	Lower	Upper
74	100		
59	114.1	122.2	253.8#
45	93.6	91.9	190.9
43	32.4	25.2	52.2

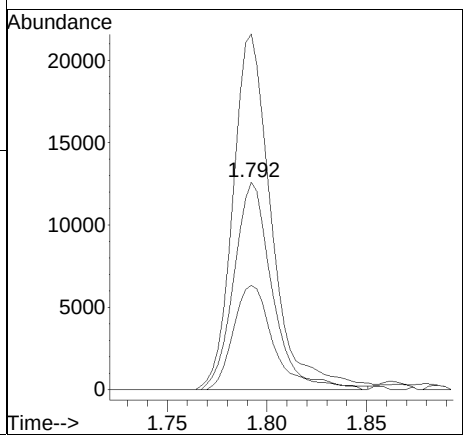


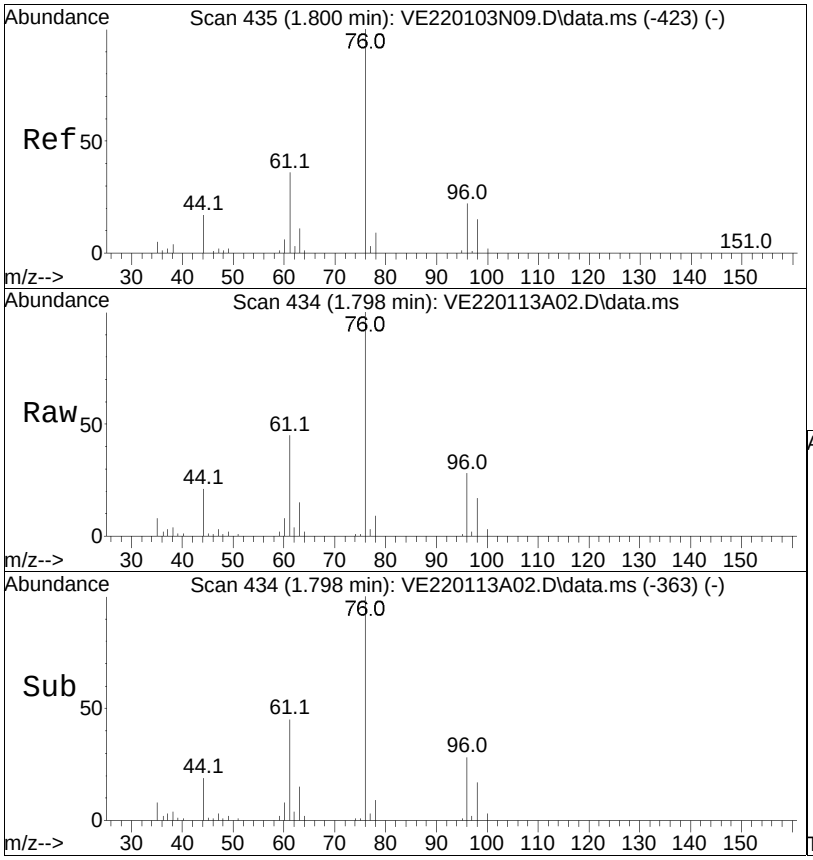


#10
1,1-Dichloroethene
Concen: 9.12 ug/L
RT: 1.792 min Scan# 432
Delta R.T. 0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 96 Resp: 16898

Ion	Ratio	Lower	Upper
96	100		
61	172.6	186.1	279.1#
63	53.0	57.6	86.4#

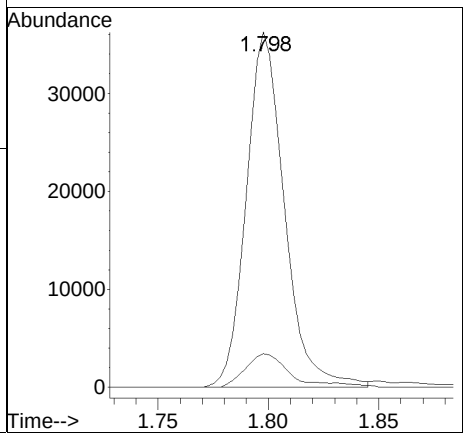


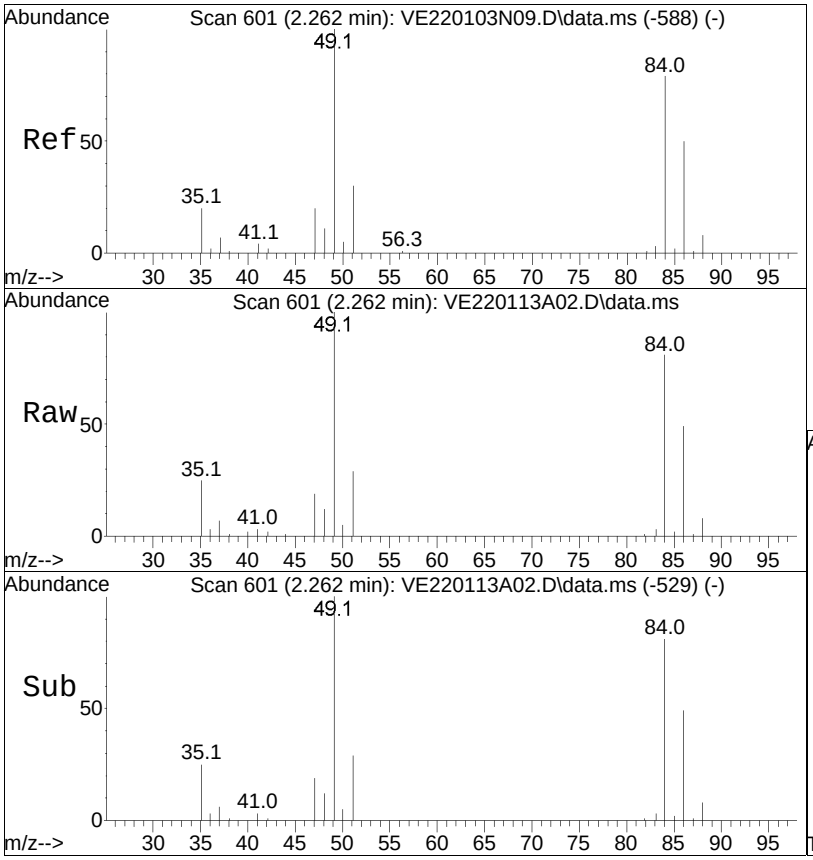


#11
Carbon disulfide
Concen: 9.32 ug/L
RT: 1.798 min Scan# 434
Delta R.T. -0.002 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 76 Resp: 43752

Ion	Ratio	Lower	Upper
76	100		
78	11.3	5.7	11.7

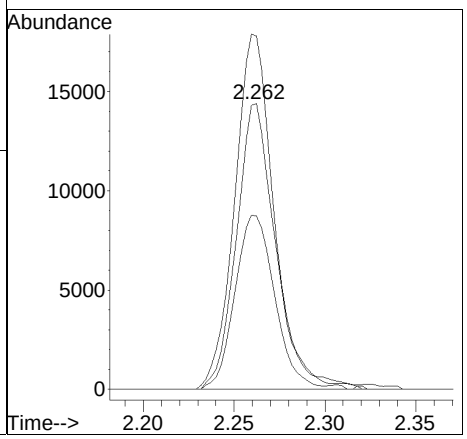


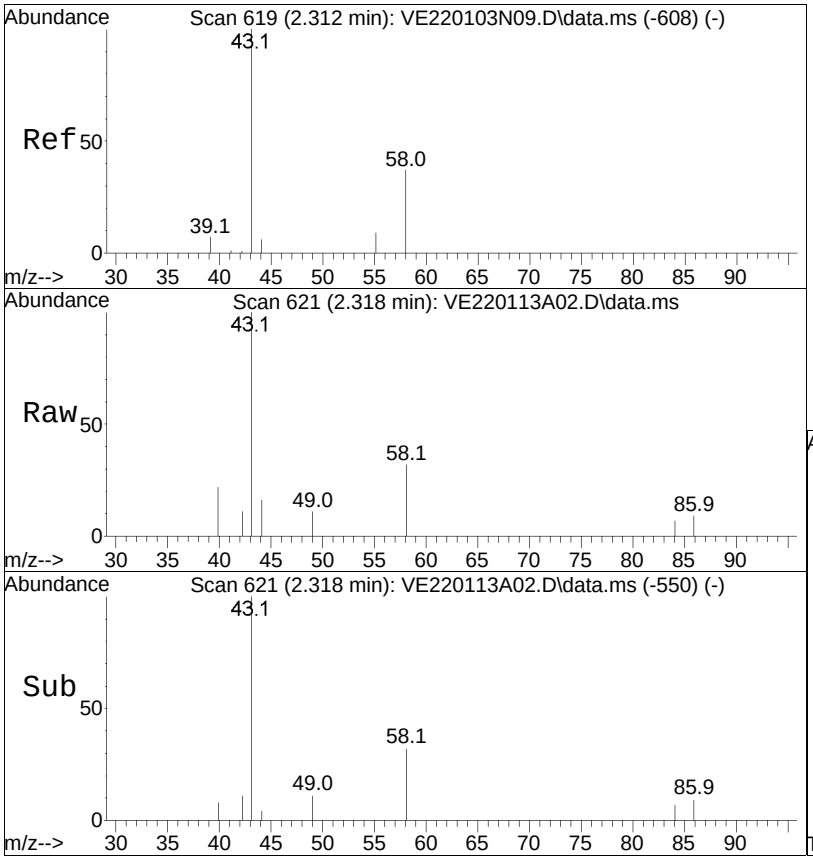


#15
Methylene chloride
Concen: 10.55 ug/L
RT: 2.262 min Scan# 601
Delta R.T. 0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 84 Resp: 21680

Ion	Ratio	Lower	Upper
84	100		
86	61.6	40.4	83.8
49	125.2	120.0	249.2

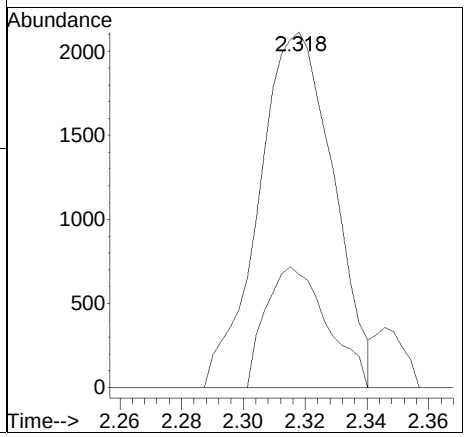


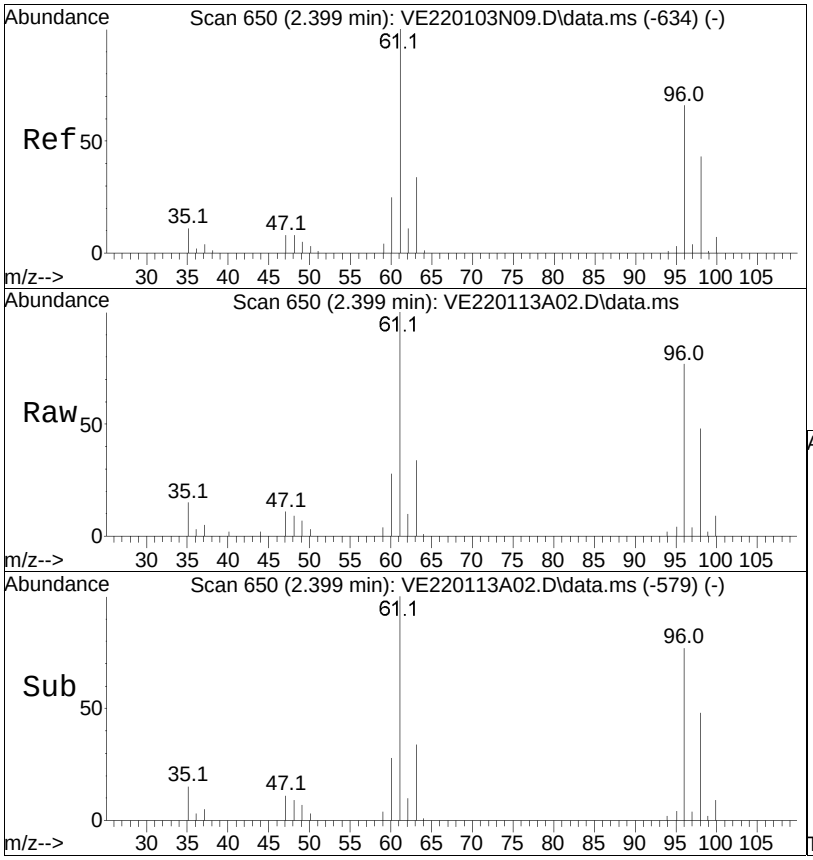


#17
Acetone
Concen: 12.76 ug/L
RT: 2.318 min Scan# 621
Delta R.T. -0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 43 Resp: 3531

Ion	Ratio	Lower	Upper
43	100		
58	28.1	24.2	36.4

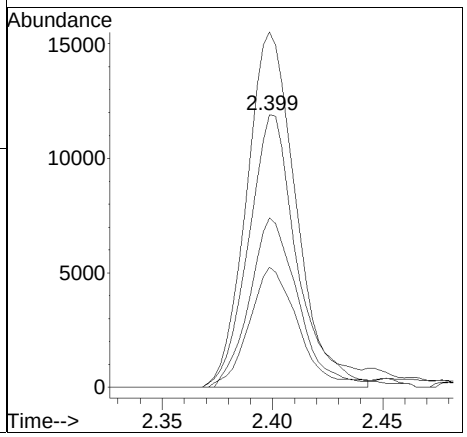


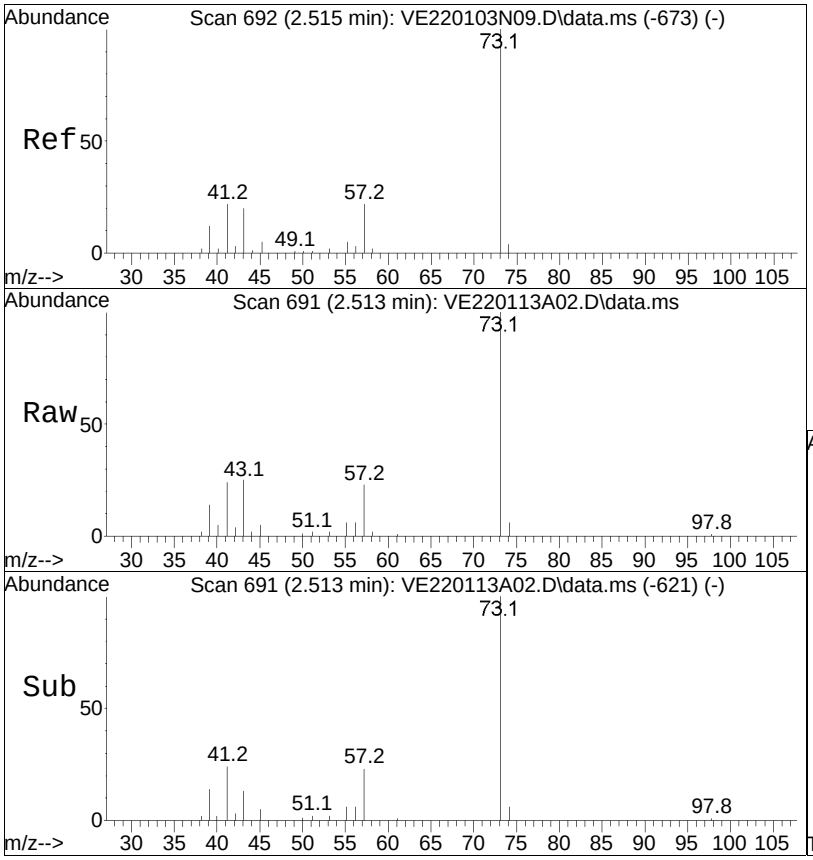


#18
trans-1,2-Dichloroethene
Concen: 9.06 ug/L
RT: 2.399 min Scan# 650
Delta R.T. -0.002 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 96 Resp: 18175

Ion	Ratio	Lower	Upper
96	100		
61	134.0	124.0	257.6
98	62.6	41.2	85.6
63	45.5	38.4	79.7

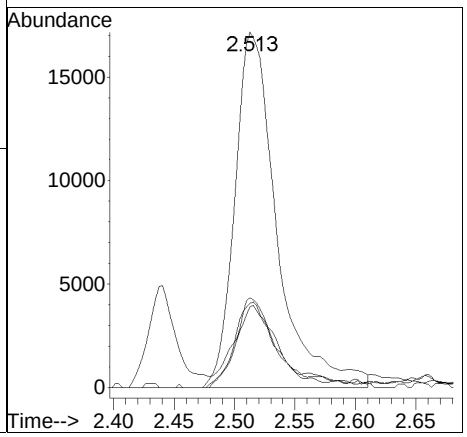


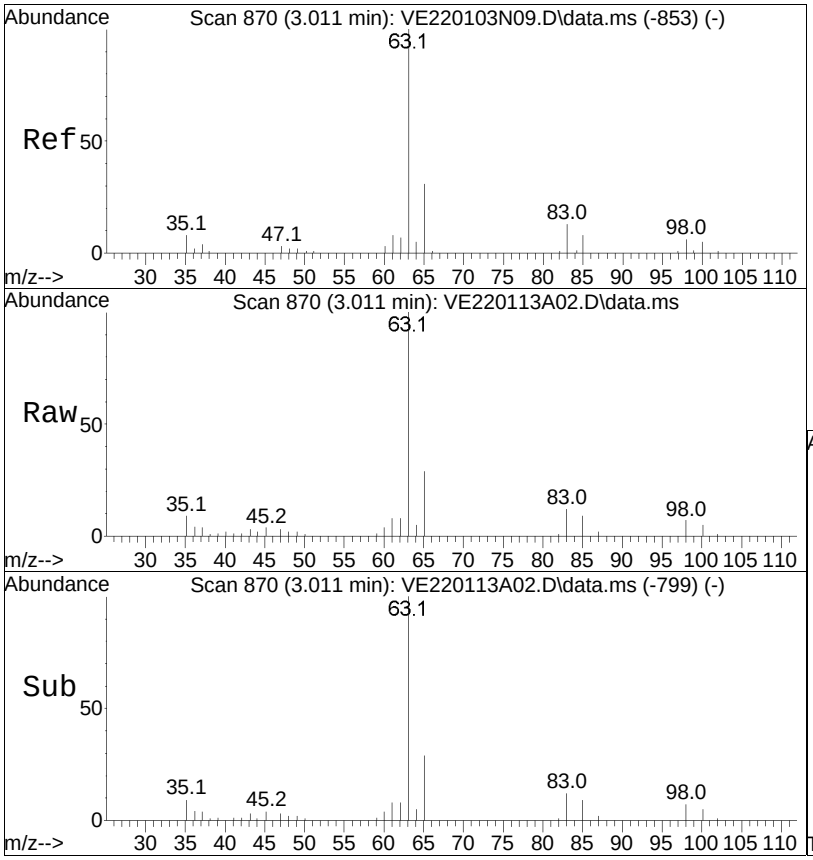


#20
Methyl tert-butyl ether
Concen: 9.79 ug/L M1
RT: 2.513 min Scan# 691
Delta R.T. -0.005 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 73 Resp: 41602

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.5	36.3
43	19.1	15.3	31.9
41	23.4	15.3	31.7

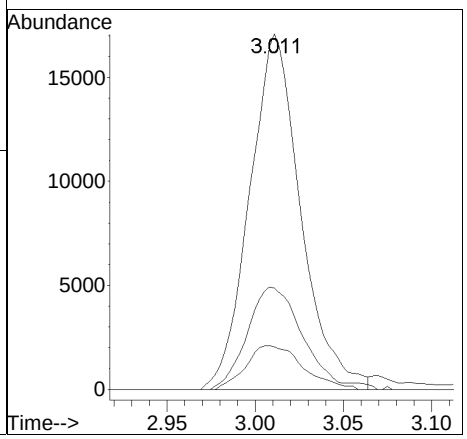


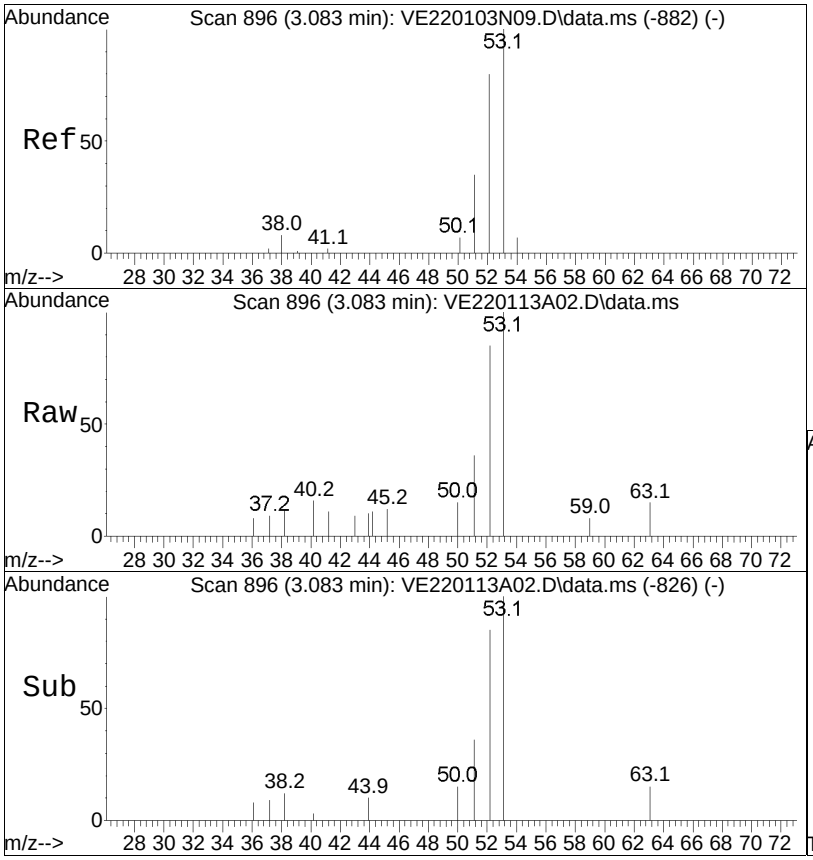


#23
1,1-Dichloroethane
Concen: 9.17 ug/L
RT: 3.011 min Scan# 870
Delta R.T. -0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 63 Resp: 34397

Ion	Ratio	Lower	Upper
63	100		
65	30.8	11.0	51.0
83	13.8	0.0	31.8

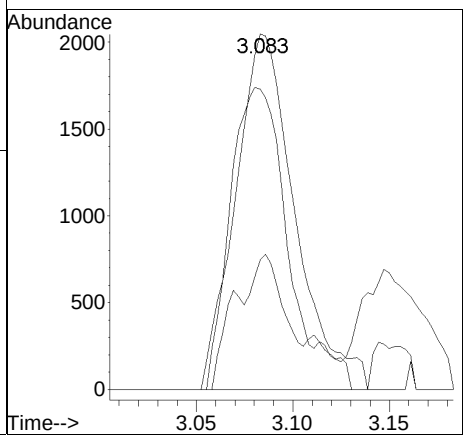


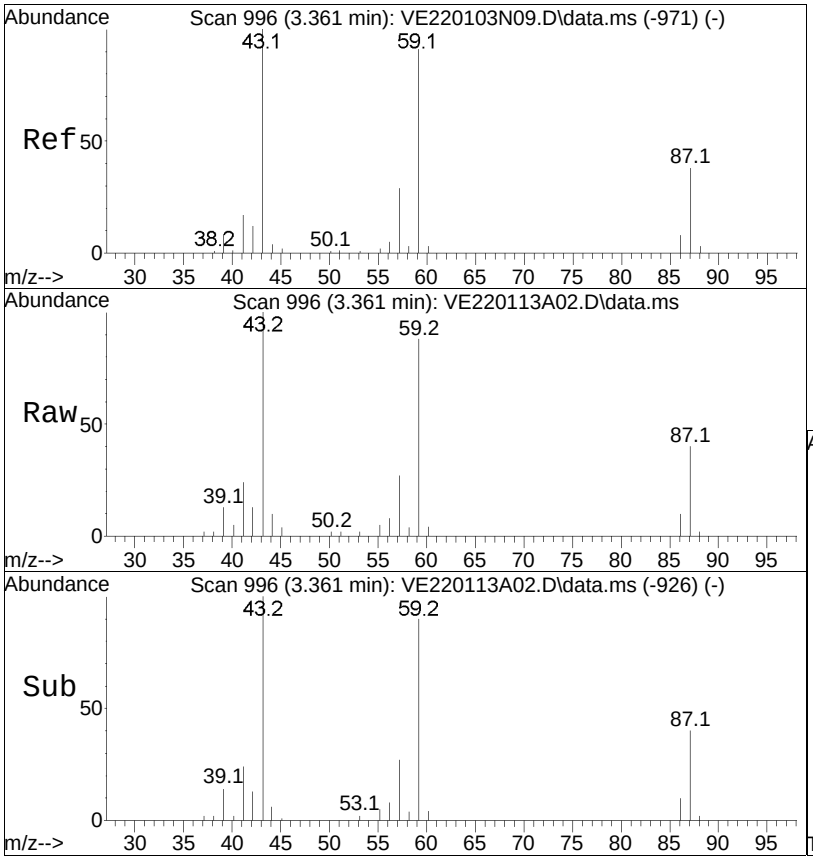


#25
Acrylonitrile
Concen: 10.37 ug/L
RT: 3.083 min Scan# 896
Delta R.T. -0.006 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 53 Resp: 4398

Ion	Ratio	Lower	Upper
53	100		
52	77.5	66.7	100.1
51	14.8	30.6	46.0#

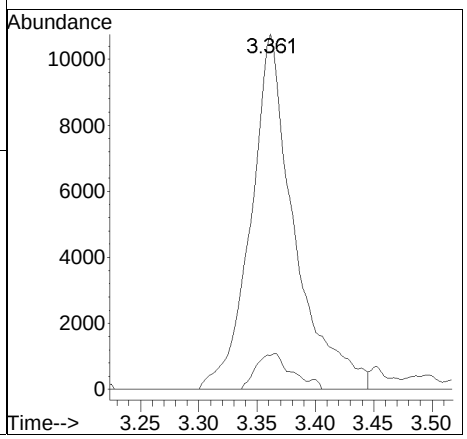


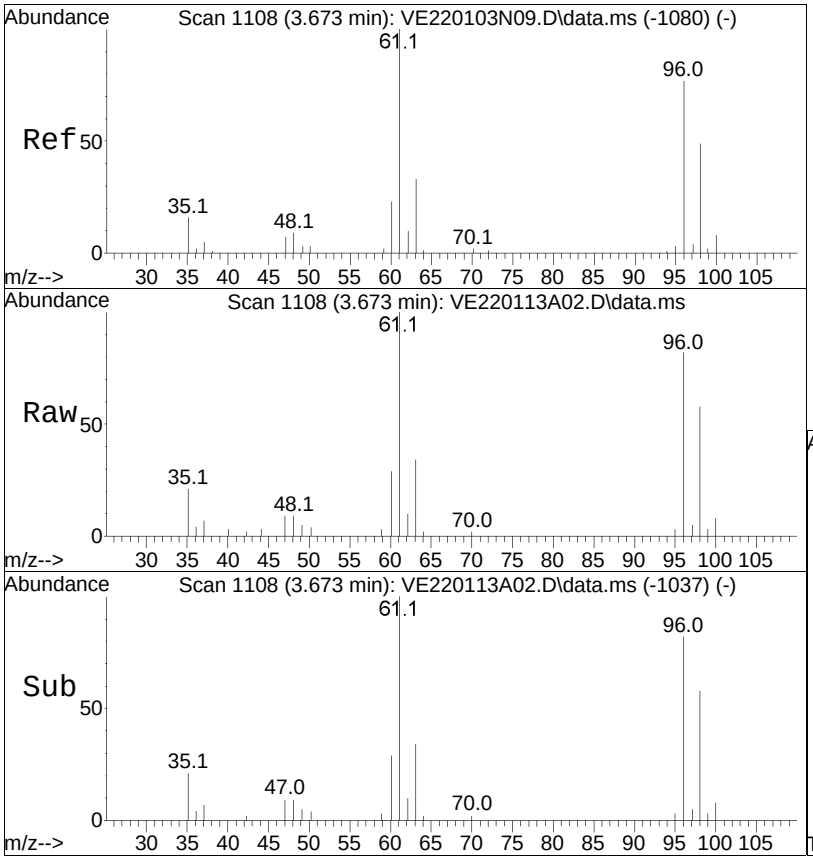


#27
Vinyl acetate
Concen: 8.12 ug/L
RT: 3.361 min Scan# 996
Delta R.T. -0.006 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 43 Resp: 28003

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.2	7.8

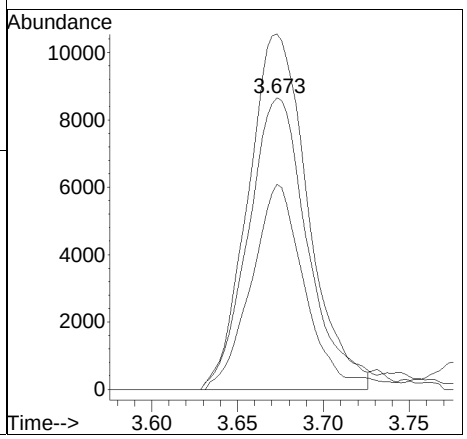


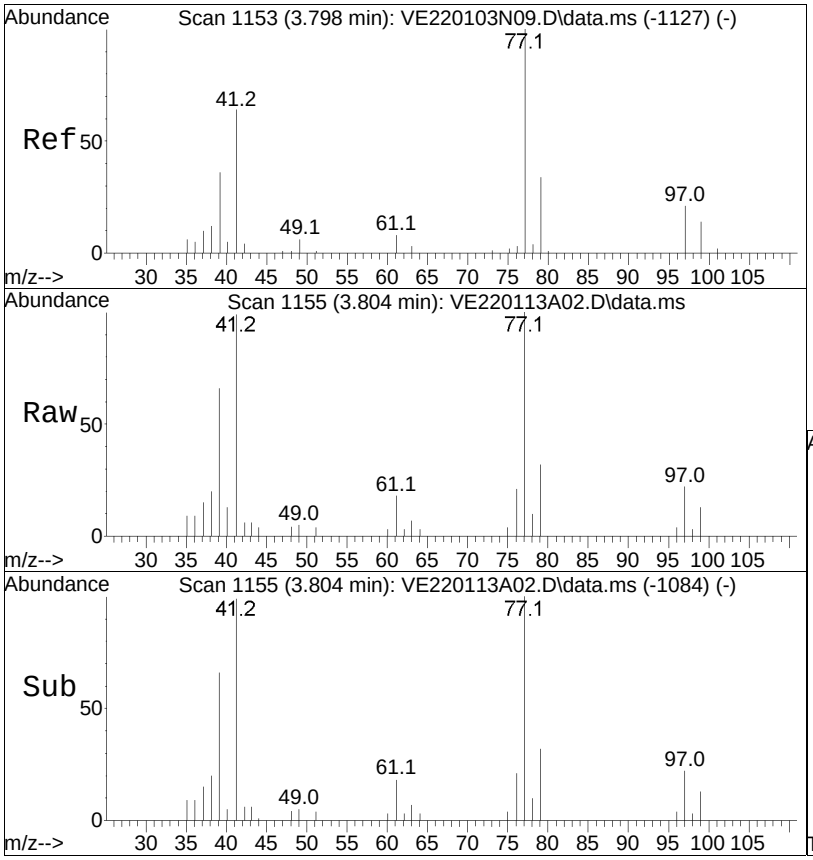


#28
cis-1,2-Dichloroethene
Concen: 9.33 ug/L
RT: 3.673 min Scan# 1108
Delta R.T. -0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 96 Resp: 20791

Ion	Ratio	Lower	Upper
96	100		
61	124.1	149.4	224.2#
98	62.0	53.4	80.2

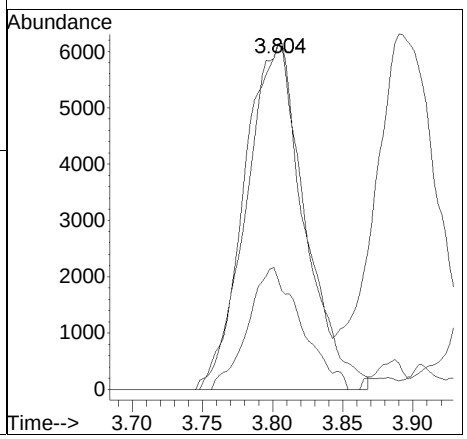


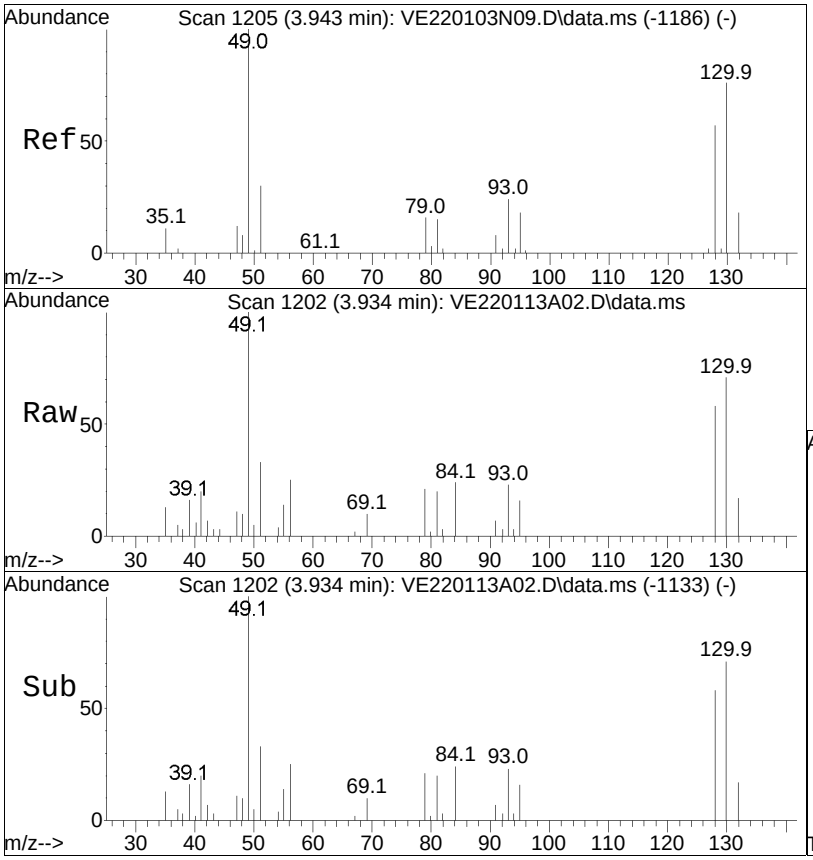


#29
2,2-Dichloropropane
Concen: 5.64 ug/L
RT: 3.804 min Scan# 1155
Delta R.T. -0.002 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 77 Resp: 18361

Ion	Ratio	Lower	Upper
77	100		
41	92.8	38.0	78.8#
79	31.4	20.5	42.5

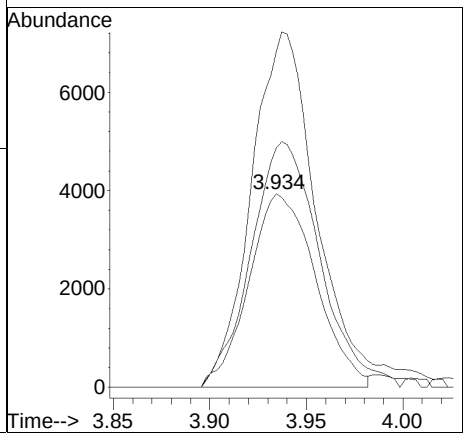


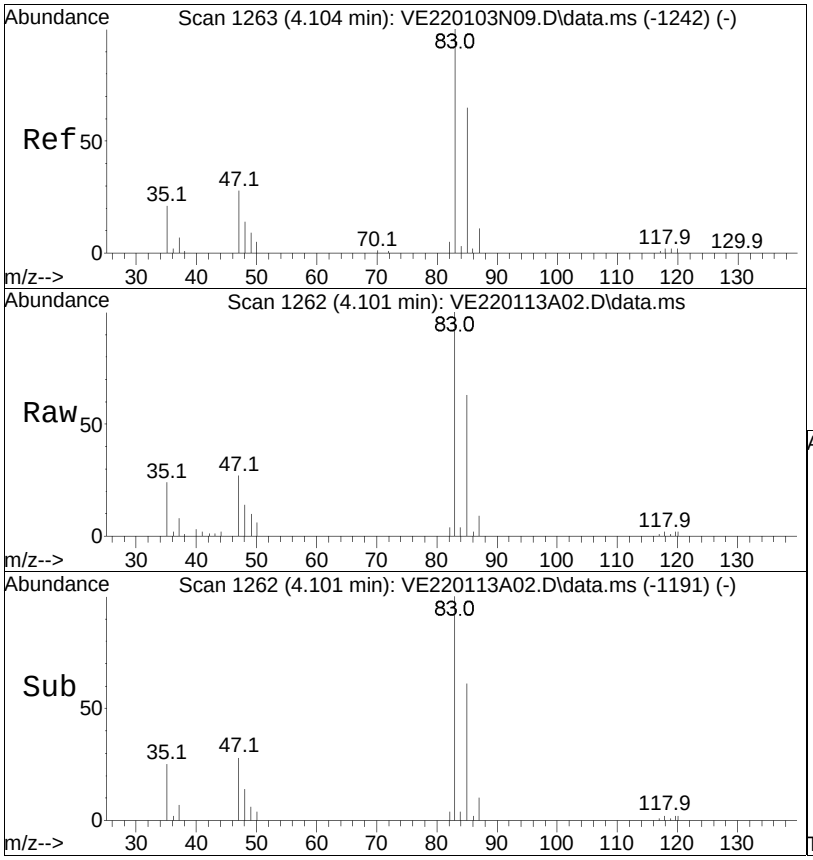


#30
Bromochloromethane
Concen: 10.04 ug/L
RT: 3.934 min Scan# 1202
Delta R.T. -0.009 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:128 Resp: 9506

Ion	Ratio	Lower	Upper
128	100		
49	183.3	223.0	334.4#
130	131.8	111.4	167.0

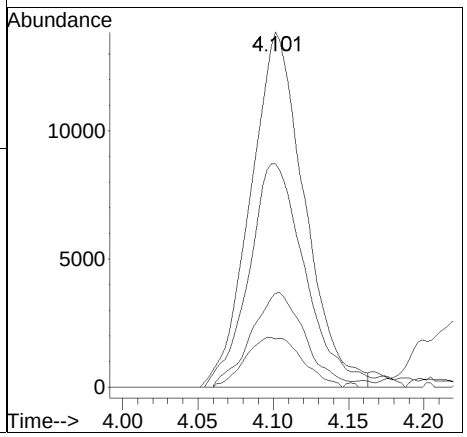


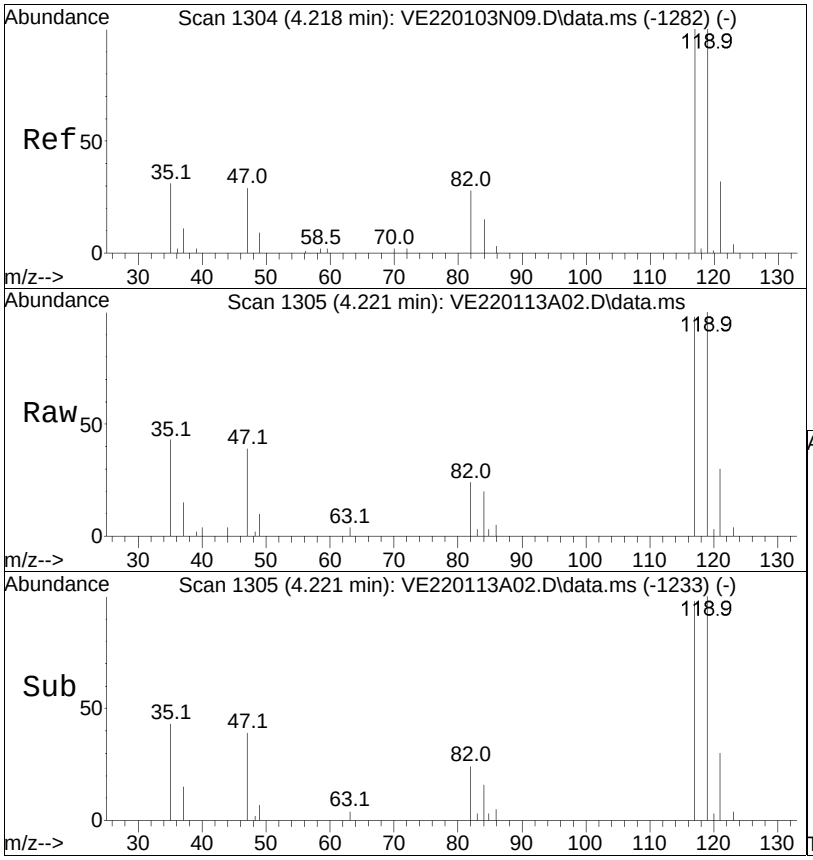


#32
Chloroform
Concen: 9.51 ug/L
RT: 4.101 min Scan# 1262
Delta R.T. -0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 83 Resp: 34699

Ion	Ratio	Lower	Upper
83	100		
85	65.5	41.5	86.1
47	26.7	19.0	39.4
48	14.9	9.9	20.5

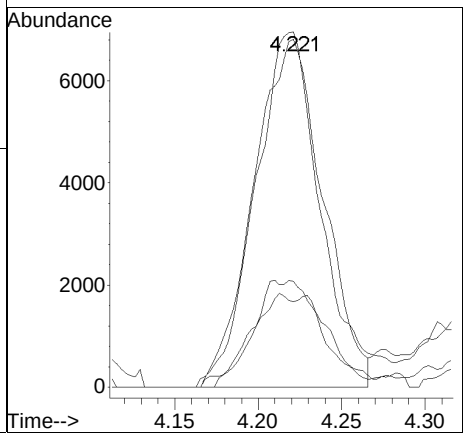


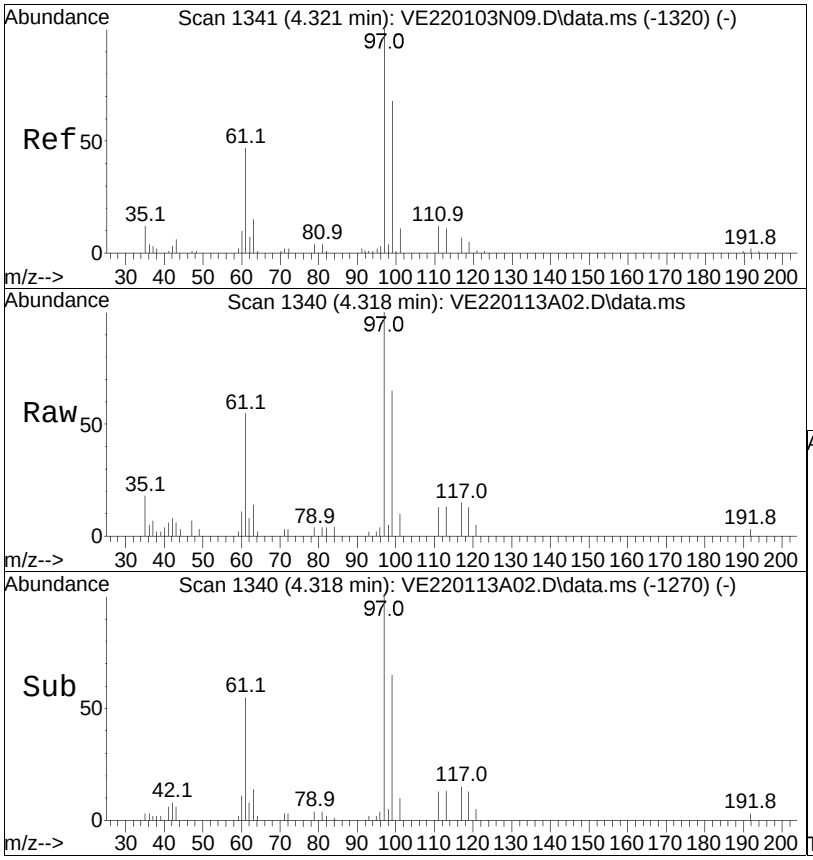


#34
Carbon tetrachloride
Concen: 7.40 ug/L
RT: 4.221 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:117 Resp: 19699

Ion	Ratio	Lower	Upper
117	100		
119	97.9	62.4	129.6
121	13.1	19.5	40.5#
82	16.2	17.0	35.4#

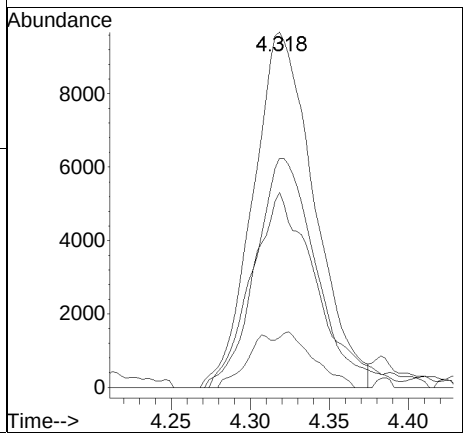


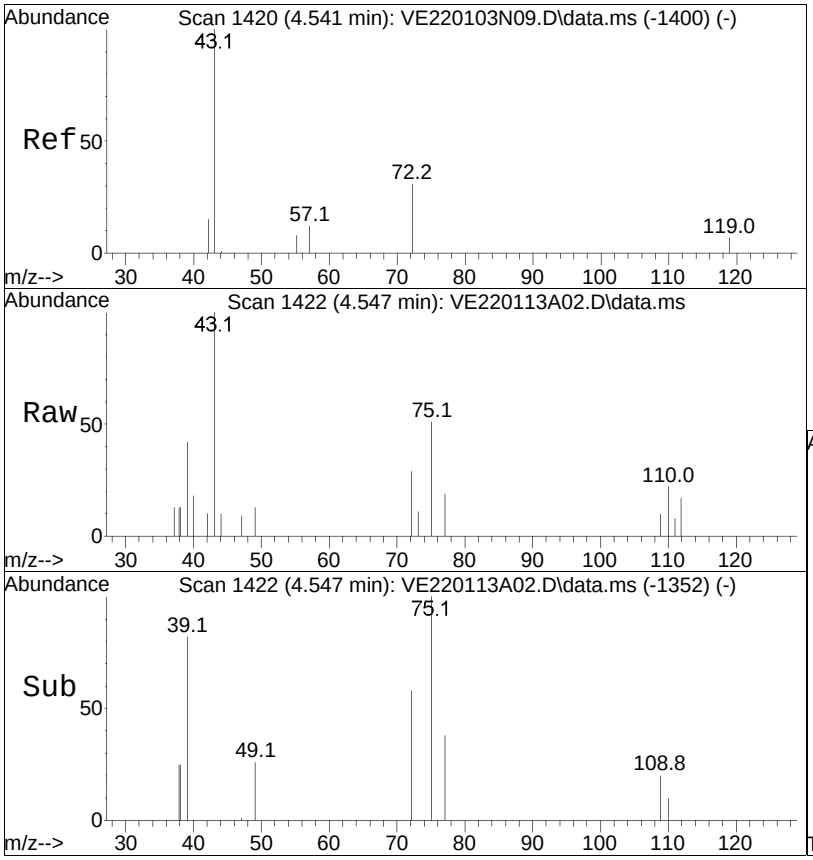


#37
1,1,1-Trichloroethane
Concen: 8.24 ug/L
RT: 4.318 min Scan# 1340
Delta R.T. -0.006 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 97 Resp: 26030

Ion	Ratio	Lower	Upper
97	100		
99	65.2	40.7	84.5
61	57.3	35.4	73.4
63	6.0	5.0	10.4

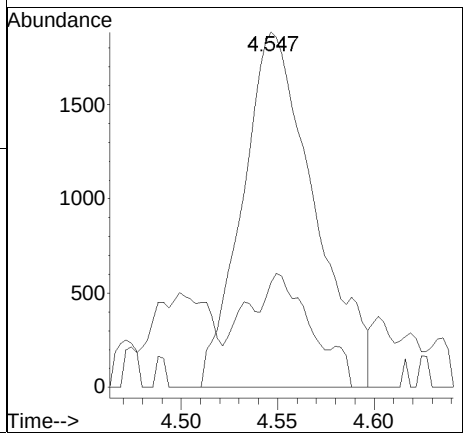


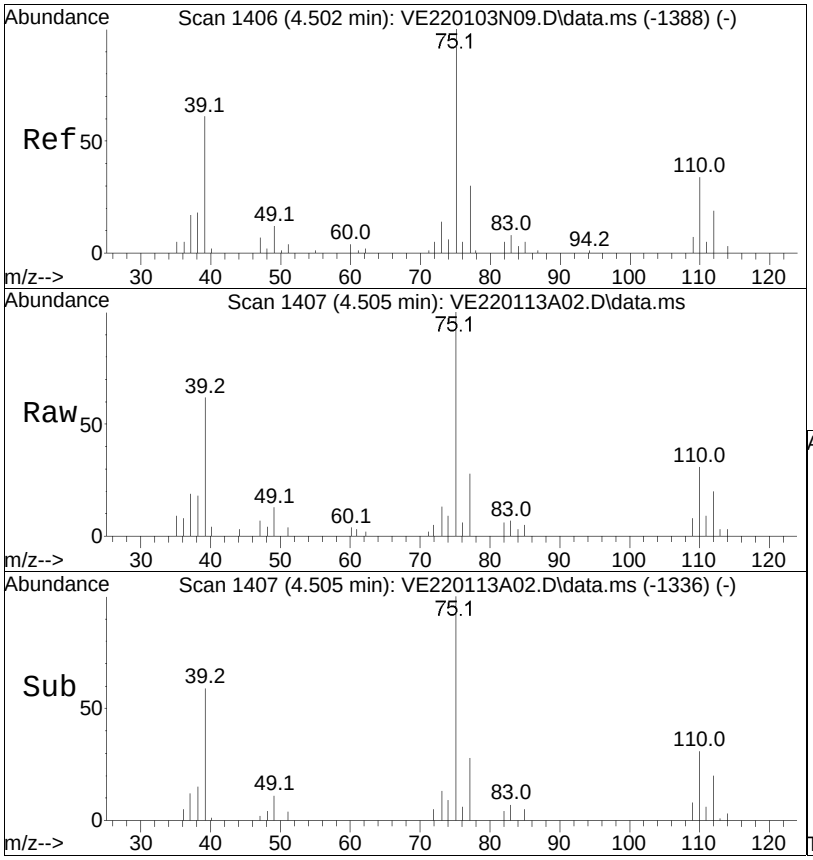


#39
2-Butanone
Concen: 11.62 ug/L
RT: 4.547 min Scan# 1422
Delta R.T. -0.005 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 43 Resp: 4893

Ion	Ratio	Lower	Upper
43	100		
72	11.0	10.9	16.3

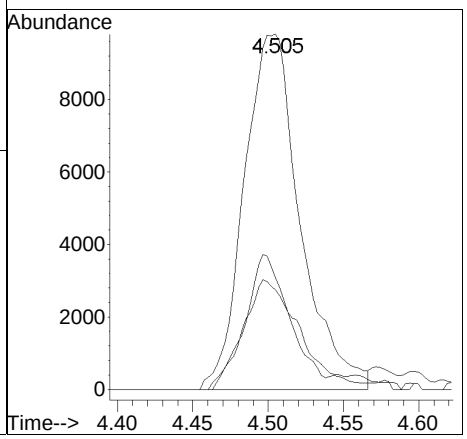


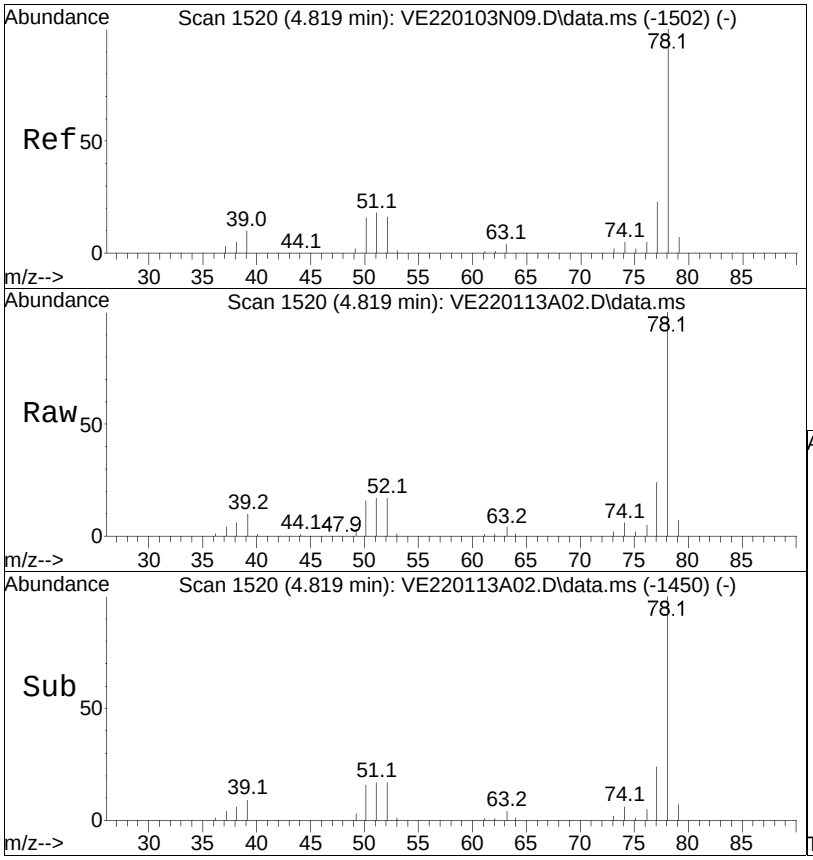


#40
1,1-Dichloropropene
Concen: 9.45 ug/L
RT: 4.505 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 75 Resp: 25396

Ion	Ratio	Lower	Upper
75	100		
110	33.5	20.2	41.9
77	27.6	20.1	41.7

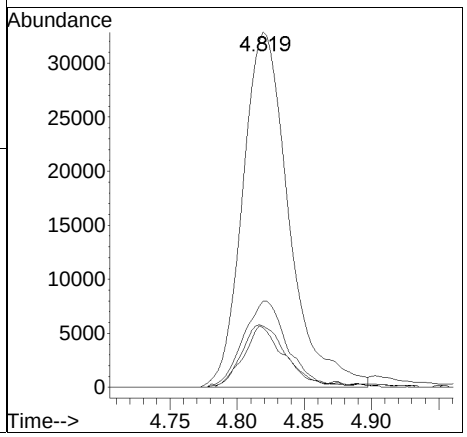


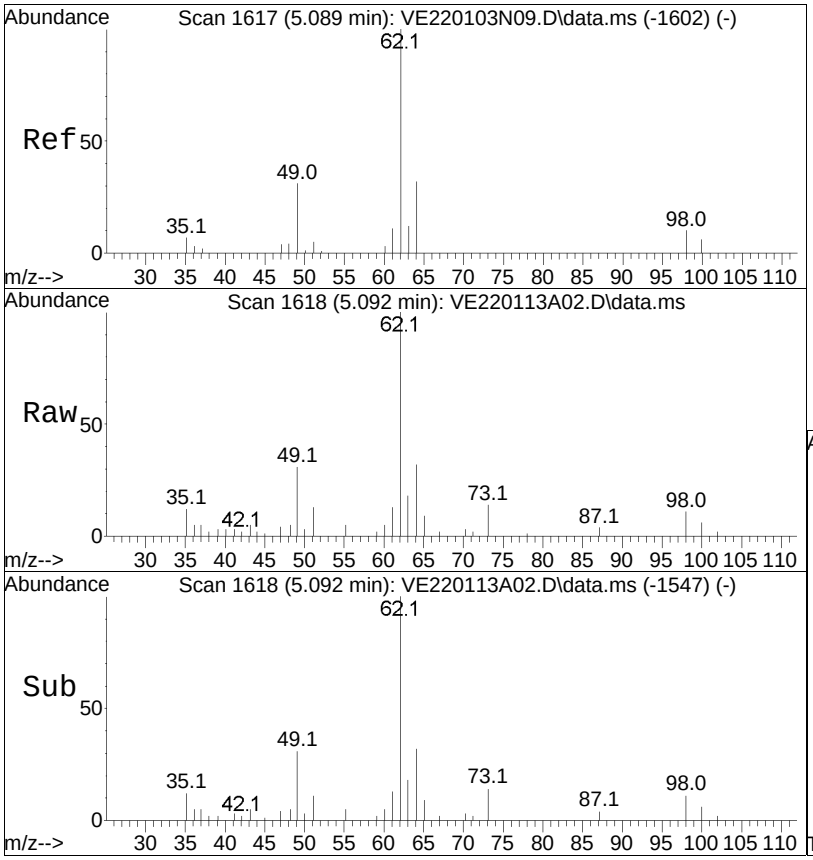


#41
Benzene
Concen: 9.51 ug/L
RT: 4.819 min Scan# 1520
Delta R.T. -0.006 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 78 Resp: 78500

Ion	Ratio	Lower	Upper
78	100		
77	23.1	15.7	32.7
51	17.3	16.0	33.2
52	15.4	15.3	31.9

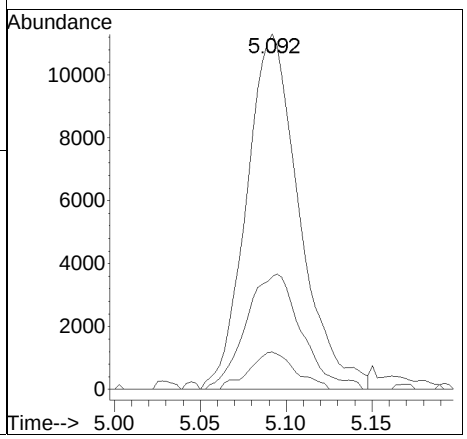


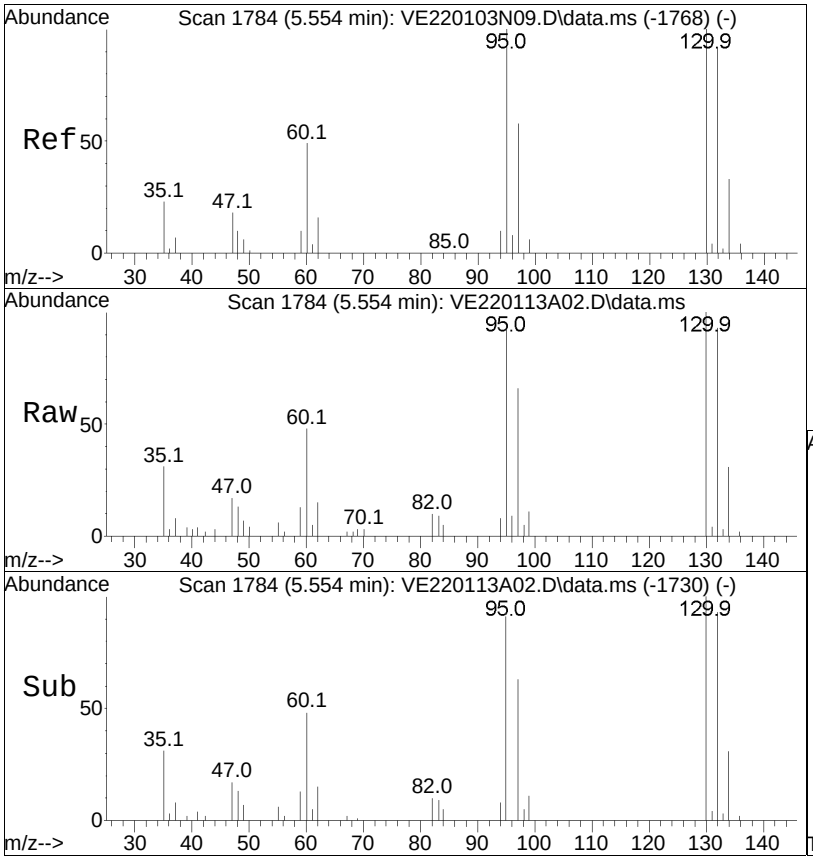


#44
1,2-Dichloroethane
Concen: 10.39 ug/L
RT: 5.092 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 62 Resp: 24191

Ion	Ratio	Lower	Upper
62	100		
64	34.4	11.2	51.2
98	9.3	0.0	26.1

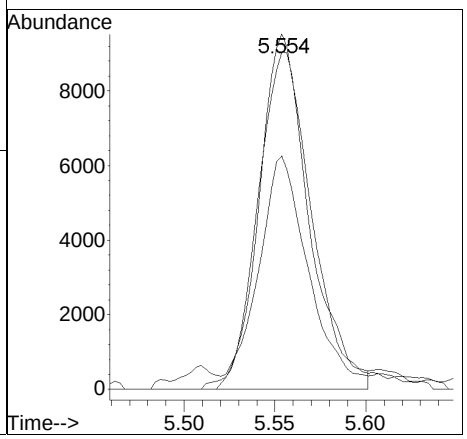


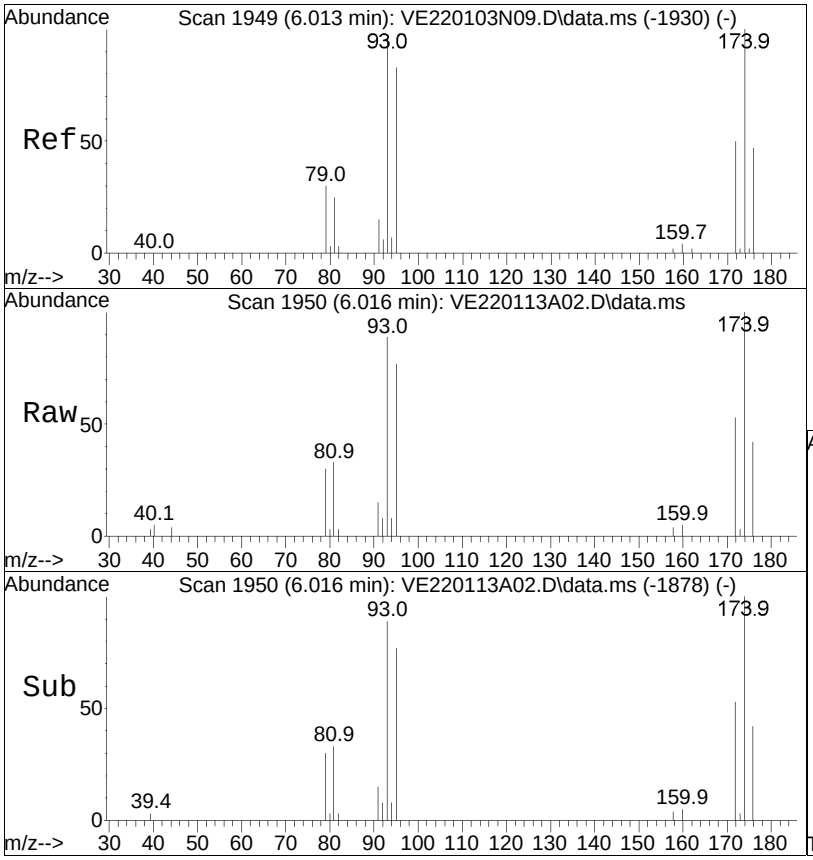


#48
Trichloroethene
Concen: 8.66 ug/L
RT: 5.554 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 95 Resp: 18196

Ion	Ratio	Lower	Upper
95	100		
97	58.2	55.5	83.3
130	103.5	76.6	115.0

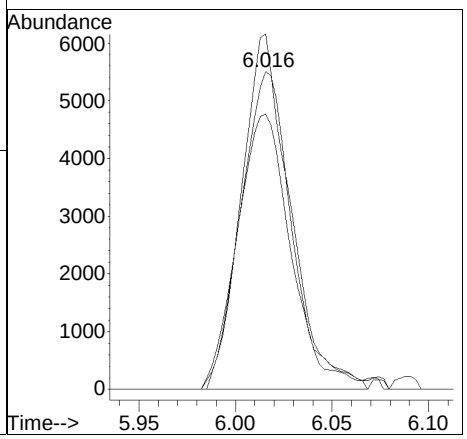


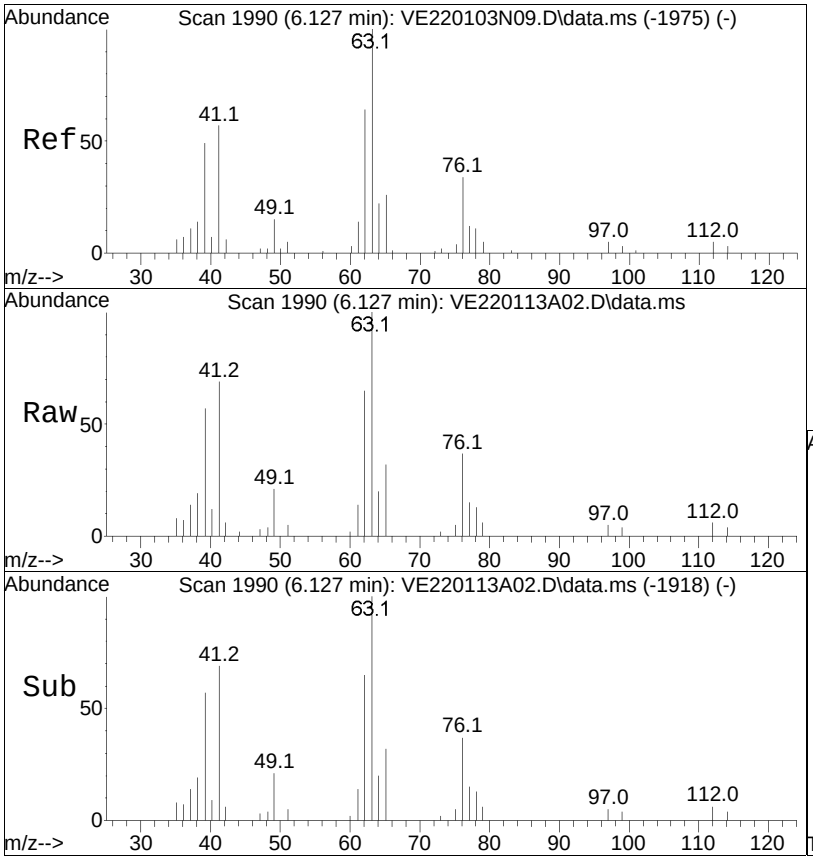


#50
Dibromomethane
Concen: 9.91 ug/L
RT: 6.016 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 93 Resp: 10316

Ion	Ratio	Lower	Upper
93	100		
95	88.3	67.0	100.4
174	105.2	75.0	112.4

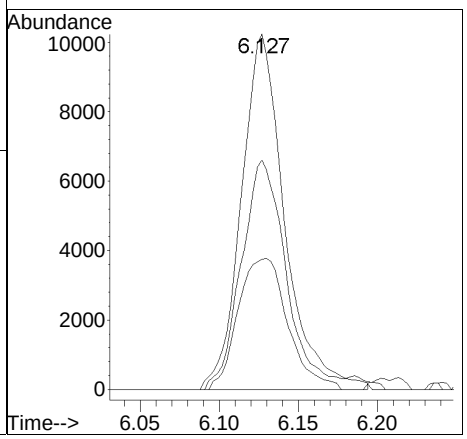


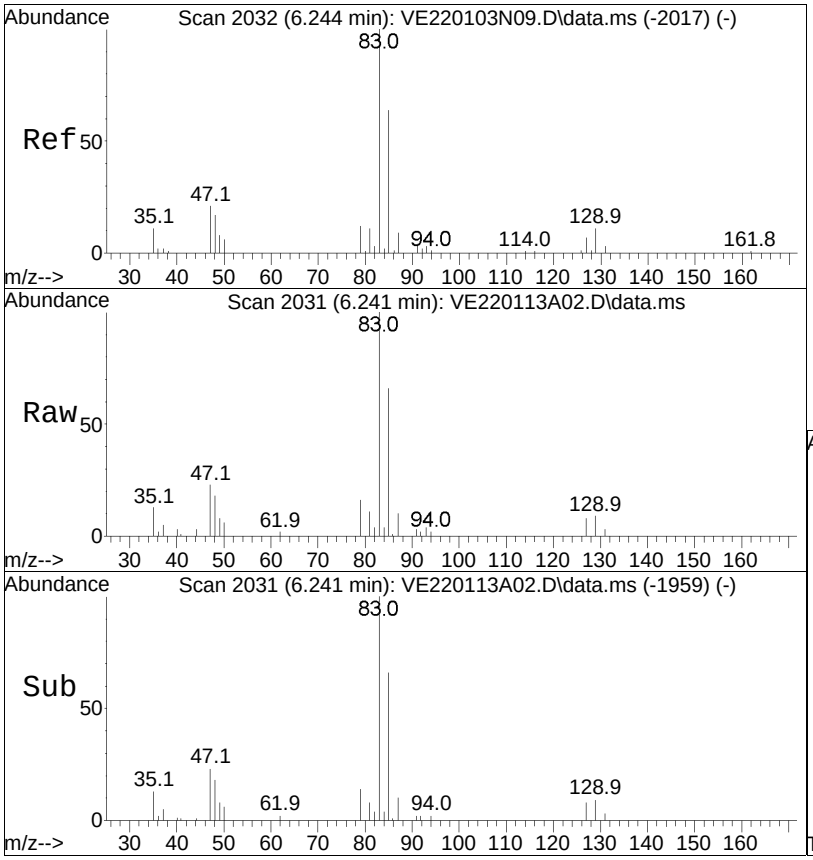


#51
1,2-Dichloropropane
Concen: 9.48 ug/L
RT: 6.127 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 63 Resp: 19490

Ion	Ratio	Lower	Upper
63	100		
62	66.5	58.6	87.8
76	42.2	38.0	57.0

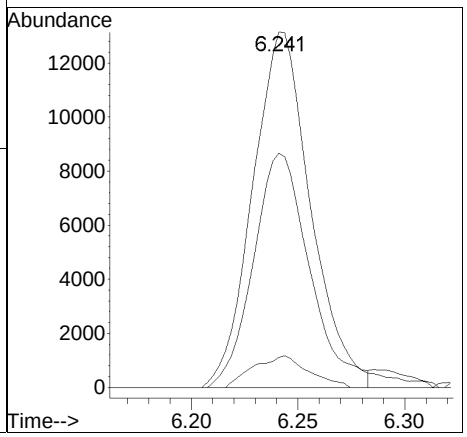


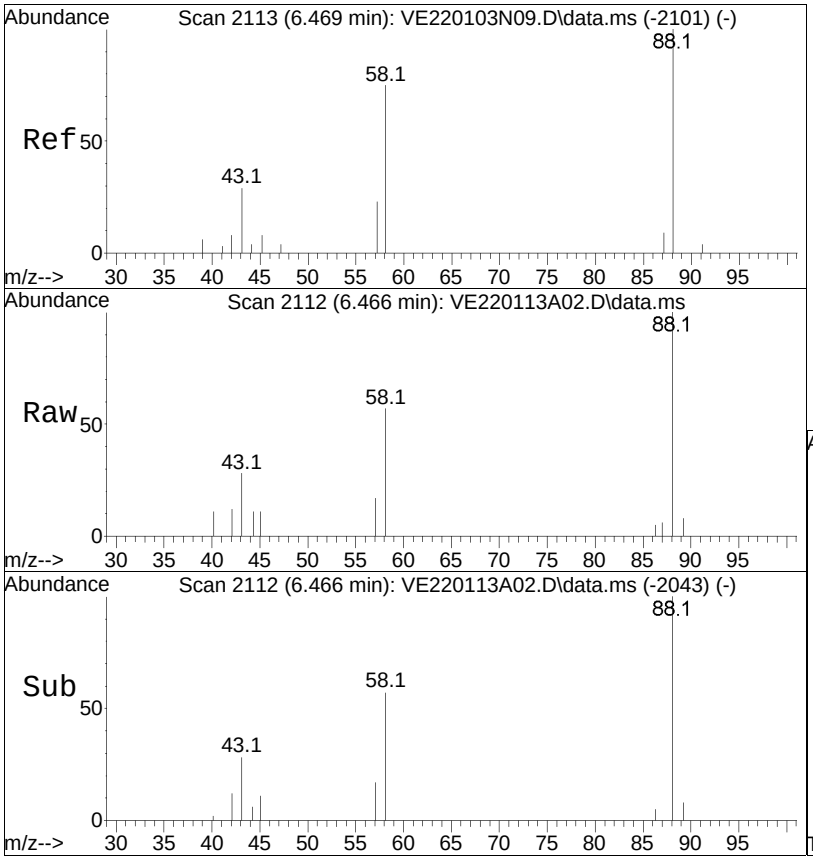


#54
Bromodichloromethane
Concen: 9.17 ug/L
RT: 6.241 min Scan# 2031
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 83 Resp: 24873

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.3	78.5
127	8.5	6.2	9.4

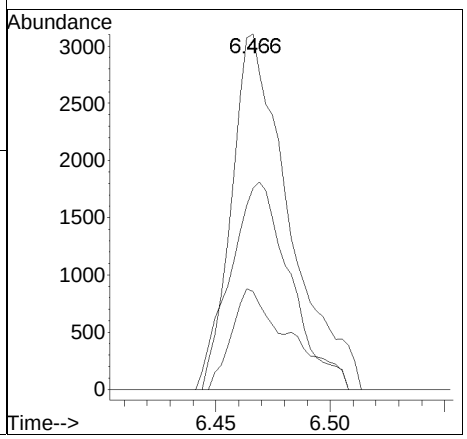


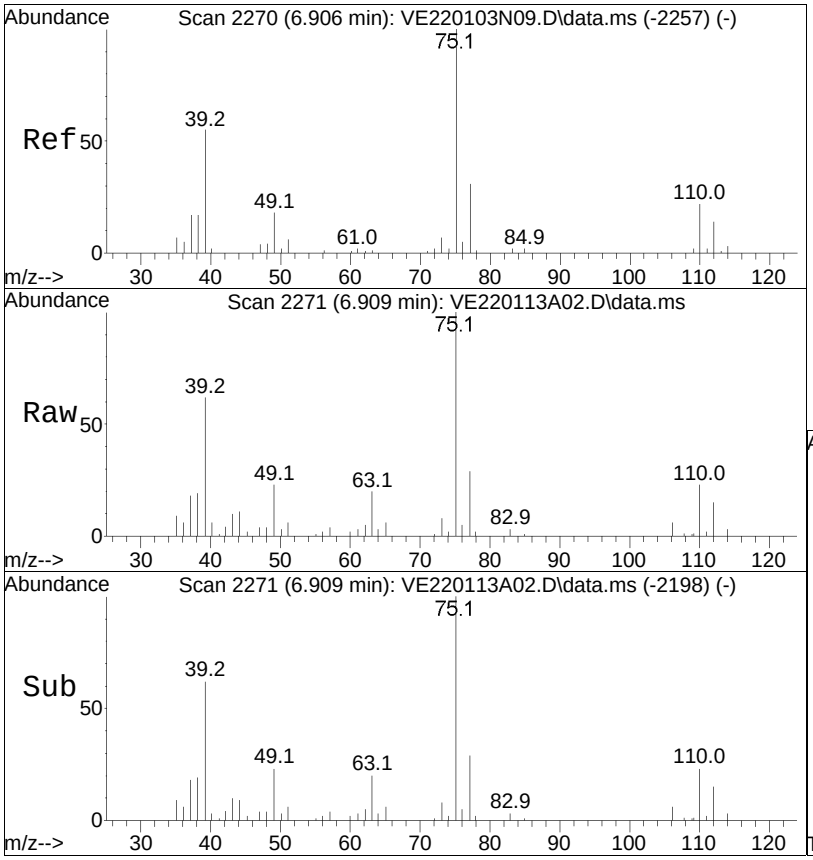


#57
1,4-Dioxane
Concen: 808.72 ug/L
RT: 6.466 min Scan# 2112
Delta R.T. -0.009 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 88 Resp: 5420

Ion	Ratio	Lower	Upper
88	100		
58	61.3	76.7	115.1#
43	29.2	36.2	54.2#

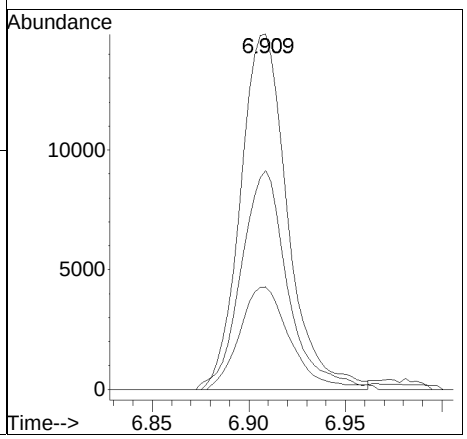


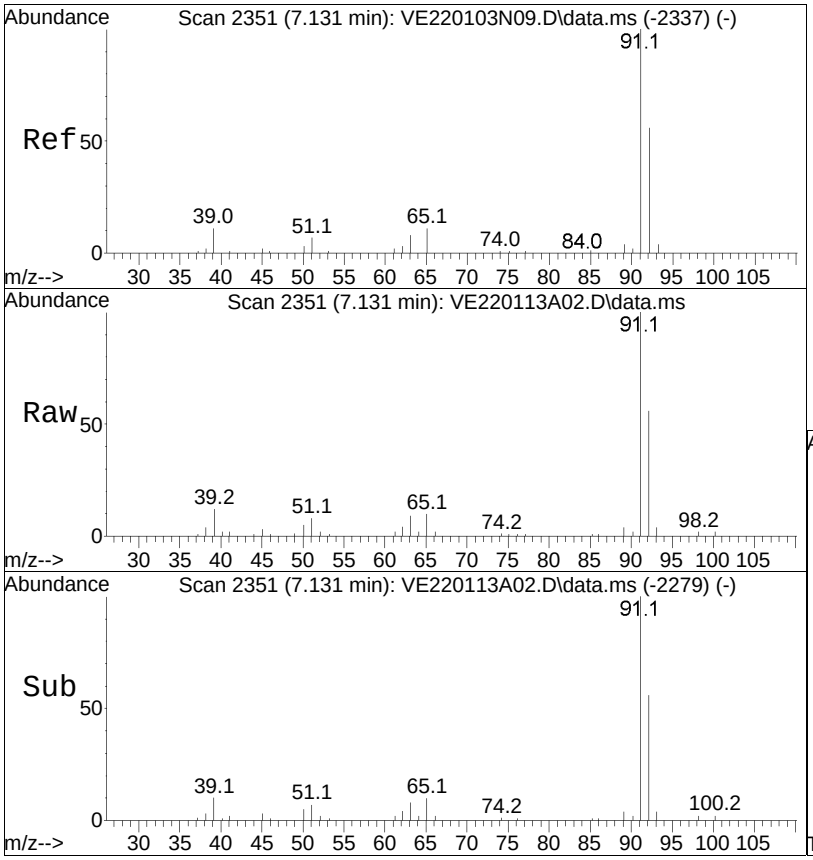


#58
cis-1,3-Dichloropropene
Concen: 8.33 ug/L
RT: 6.909 min Scan# 2271
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 75 Resp: 25278

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.0	37.4
39	60.5	50.1	75.1

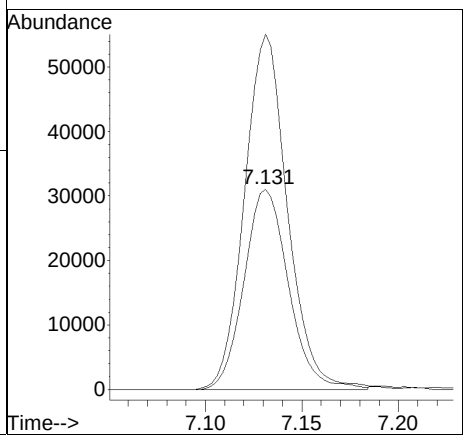


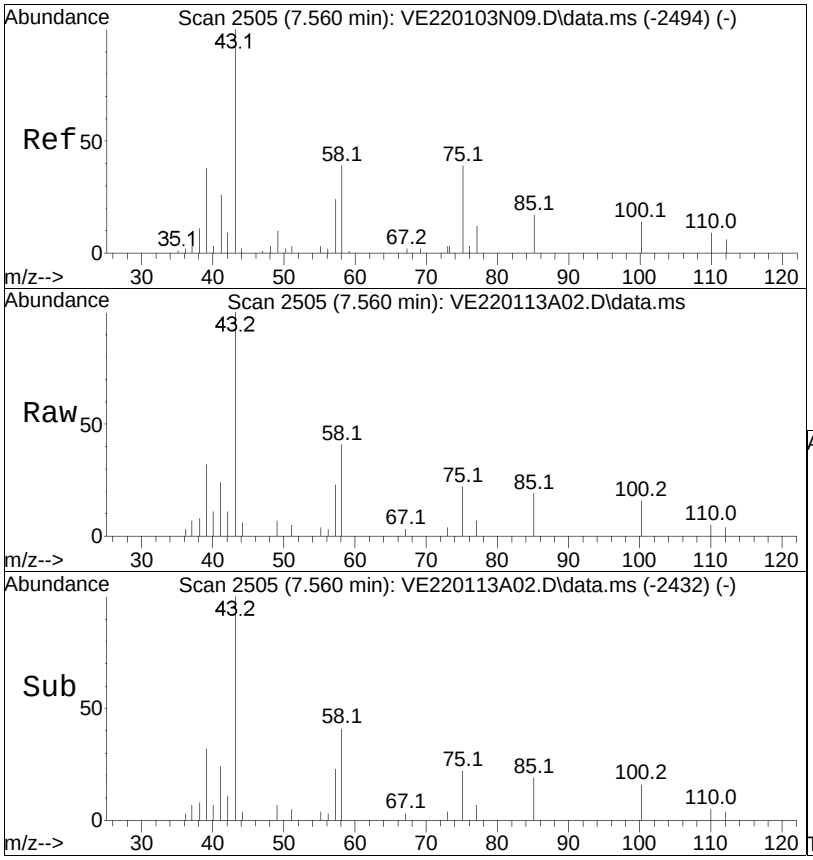


#61
Toluene
Concen: 9.35 ug/L
RT: 7.131 min Scan# 2351
Delta R.T. 0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 92 Resp: 49746

Ion	Ratio	Lower	Upper
92	100		
91	172.6	139.8	209.6

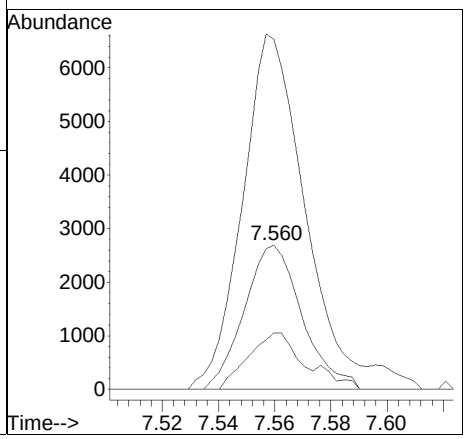


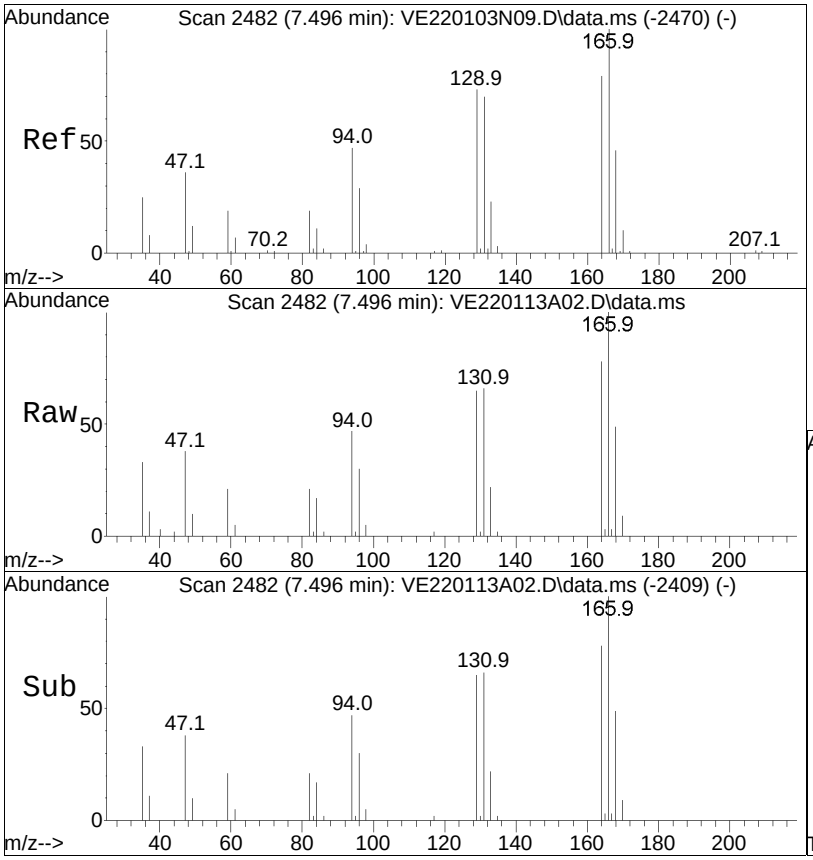


#62
4-Methyl-2-pentanone
Concen: 10.45 ug/L
RT: 7.560 min Scan# 2505
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 58 Resp: 3855

Ion	Ratio	Lower	Upper
58	100		
100	39.0	20.2	30.2#
43	271.8	196.6	295.0

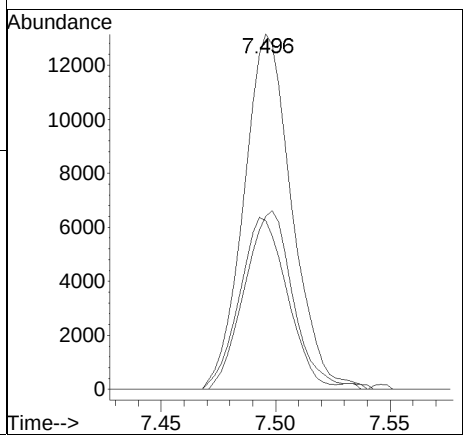


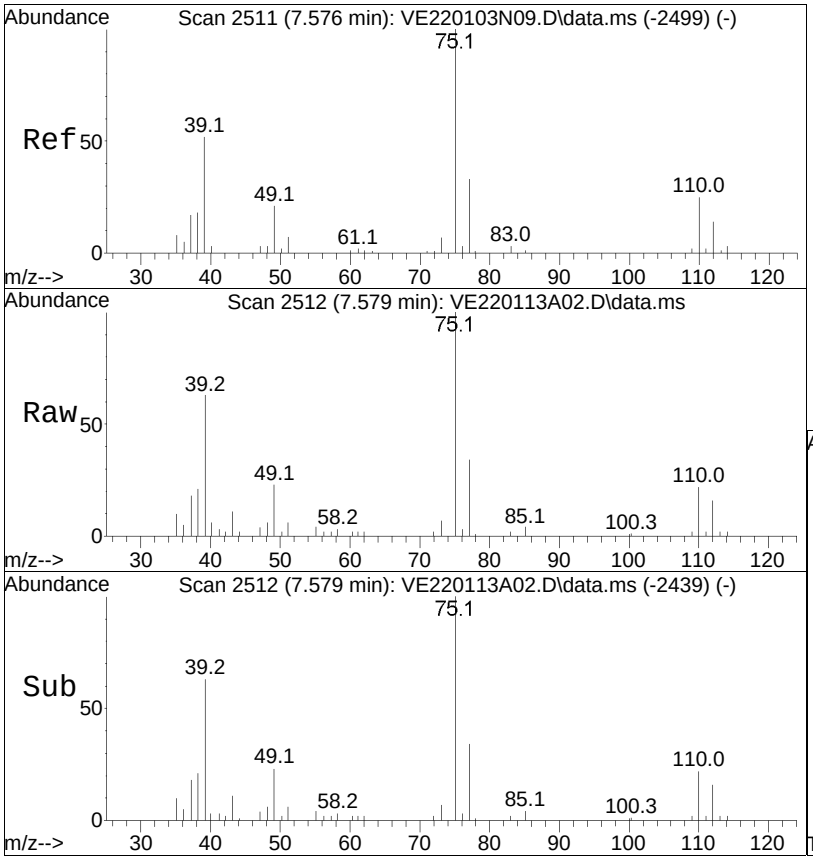


#63
Tetrachloroethene
Concen: 8.93 ug/L
RT: 7.496 min Scan# 2482
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:166 Resp: 19265

Ion	Ratio	Lower	Upper
166	100		
168	51.0	28.2	68.2
94	48.1	38.4	78.4

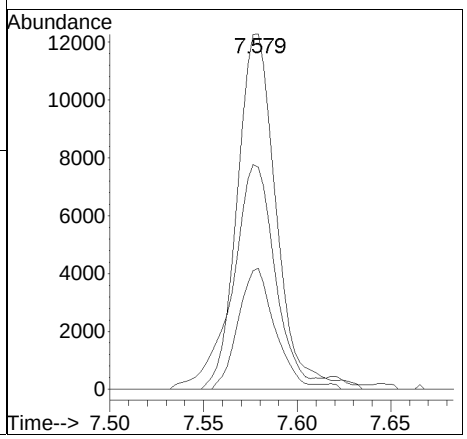


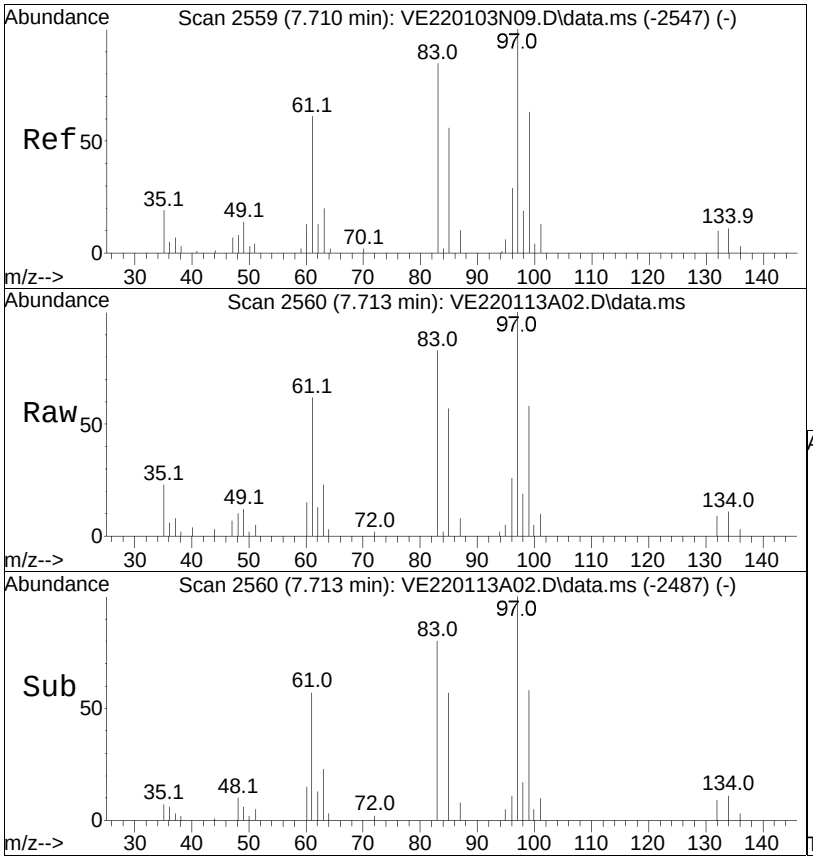


#65
trans-1,3-Dichloropropene
Concen: 7.19 ug/L
RT: 7.579 min Scan# 2512
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 75 Resp: 17770

Ion	Ratio	Lower	Upper
75	100		
77	32.3	12.4	52.4
39	69.8	42.8	82.8

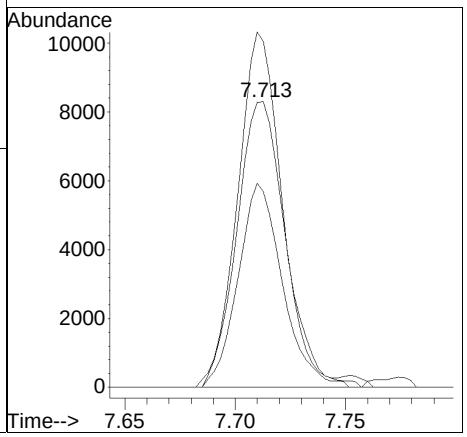


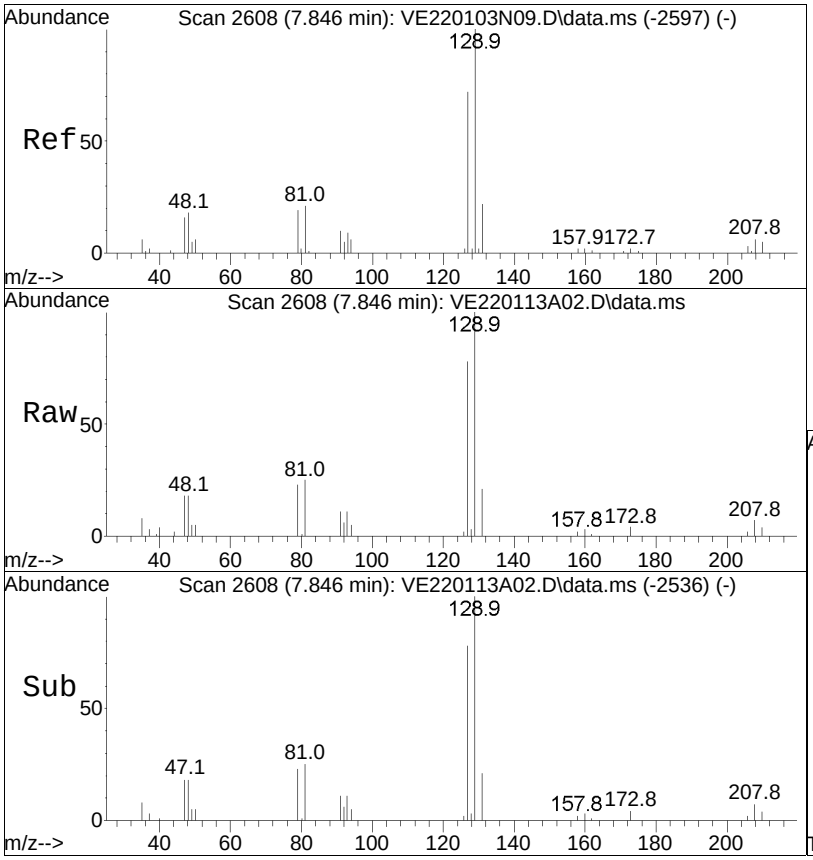


#68
1,1,2-Trichloroethane
Concen: 10.87 ug/L
RT: 7.713 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 83 Resp: 12617

Ion	Ratio	Lower	Upper
83	100		
97	115.6	89.8	129.8
85	65.8	44.4	84.4

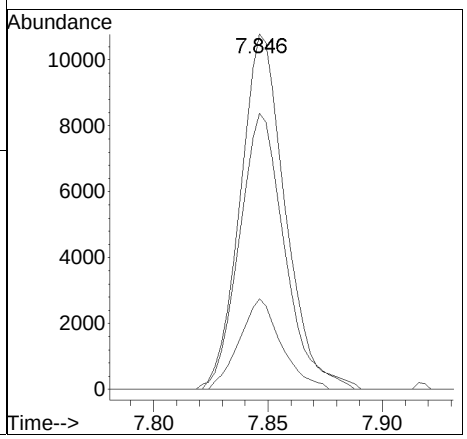


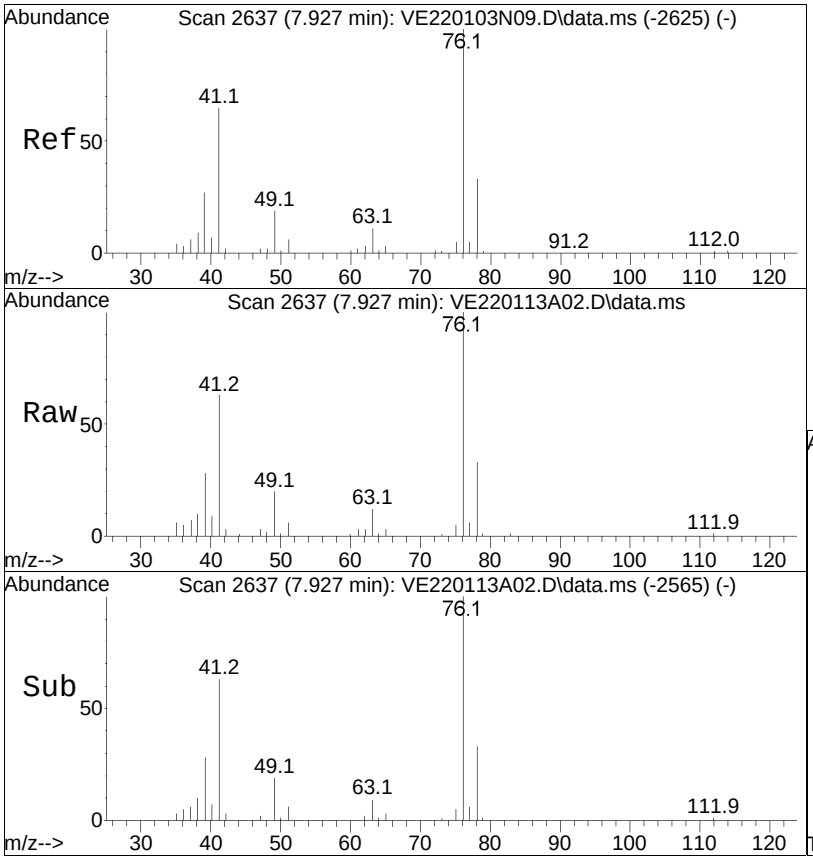


#69
Chlorodibromomethane
Concen: 9.02 ug/L
RT: 7.846 min Scan# 2608
Delta R.T. 0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:129 Resp: 14762

Ion	Ratio	Lower	Upper
129	100		
81	23.8	2.9	42.9
127	78.3	57.8	97.8

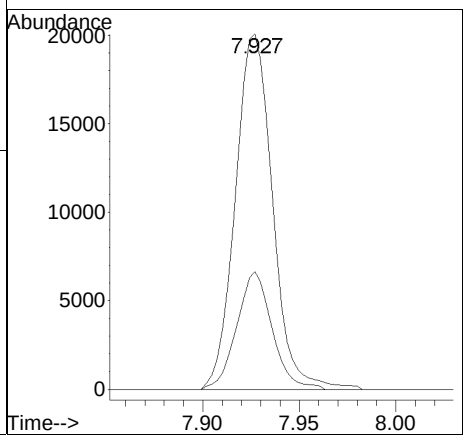


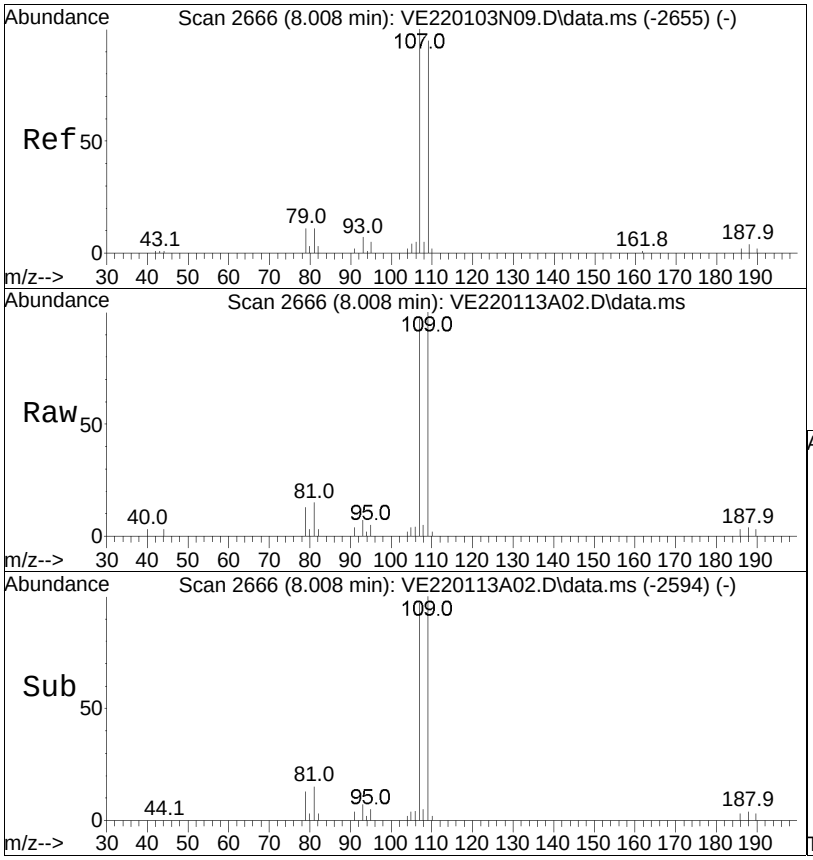


#70
1,3-Dichloropropane
Concen: 10.85 ug/L
RT: 7.927 min Scan# 2637
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 76 Resp: 26993

Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.5	38.3

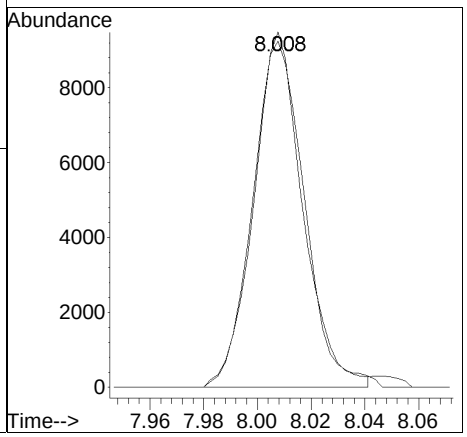


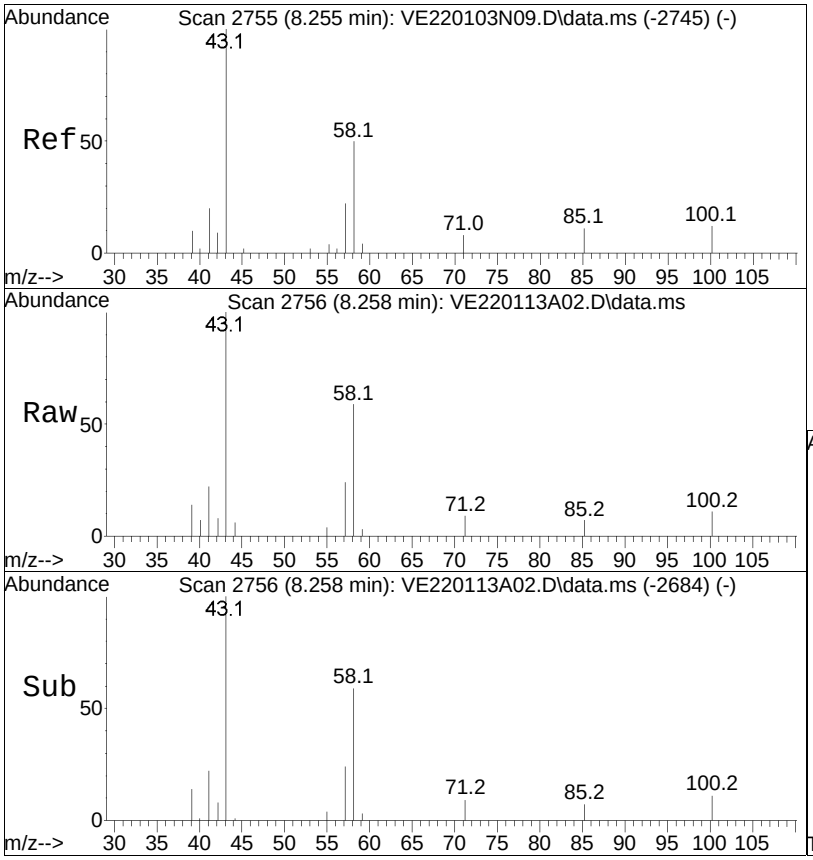


#71
1,2-Dibromoethane
Concen: 9.16 ug/L
RT: 8.008 min Scan# 2666
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:107 Resp: 12324

Ion	Ratio	Lower	Upper
107	100		
109	98.0	74.3	111.5

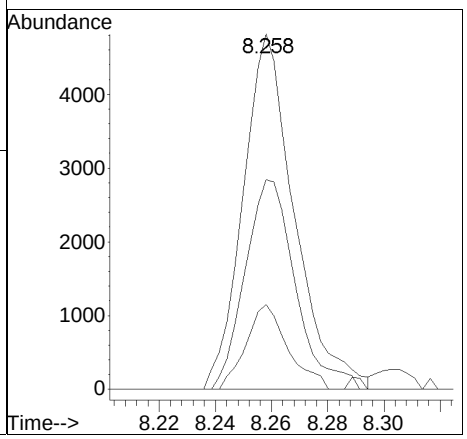


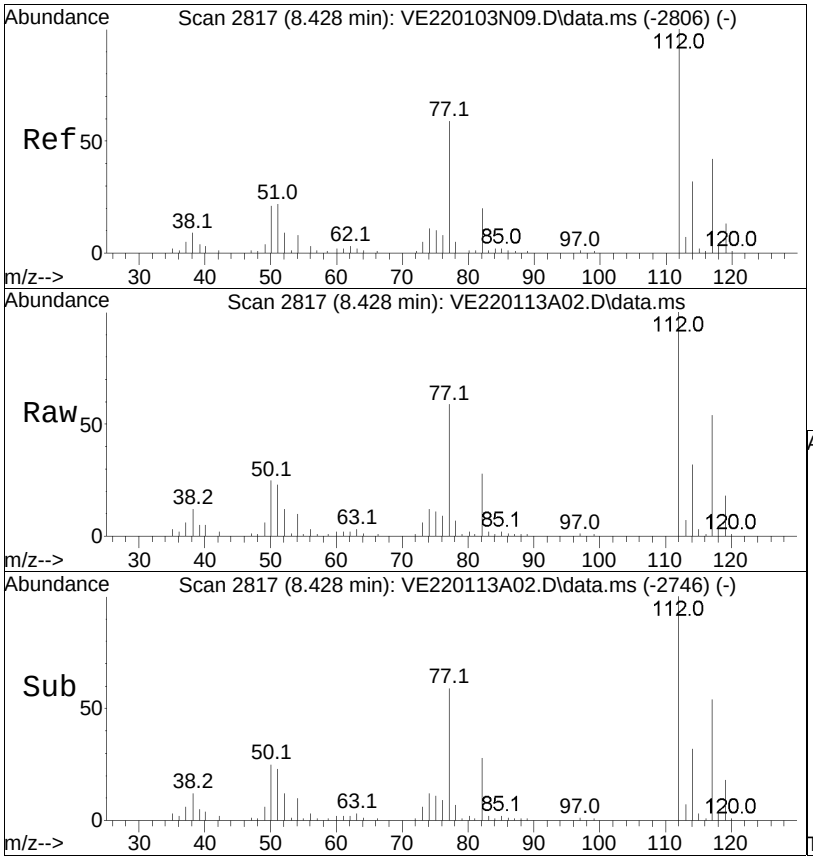


#72
2-Hexanone
Concen: 9.15 ug/L
RT: 8.258 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 43 Resp: 6130

Ion	Ratio	Lower	Upper
43	100		
58	57.6	41.2	61.8
57	19.5	17.2	25.8

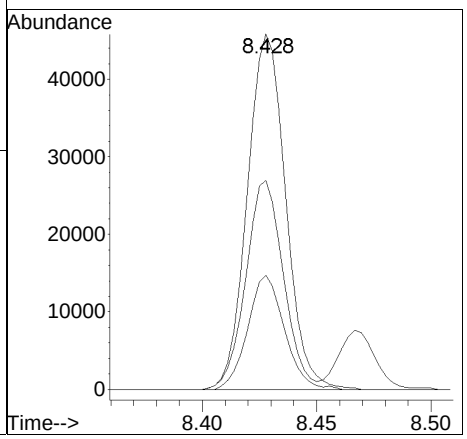


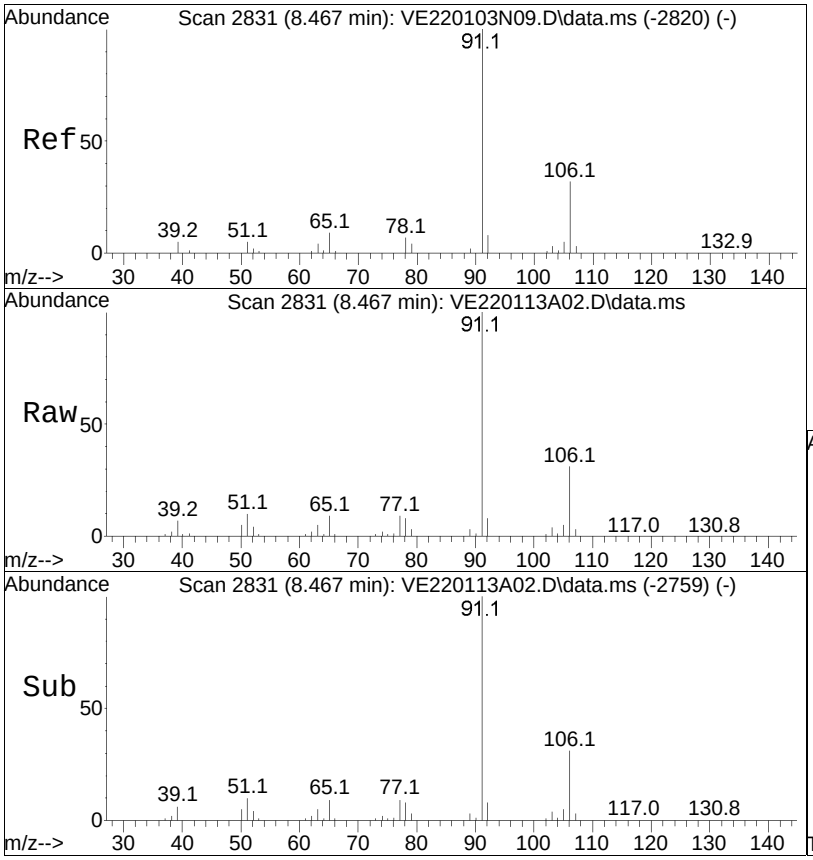


#73
Chlorobenzene
Concen: 9.74 ug/L
RT: 8.428 min Scan# 2817
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:112 Resp: 53385

Ion	Ratio	Lower	Upper
112	100		
77	57.7	55.4	83.0
114	30.7	25.4	38.2

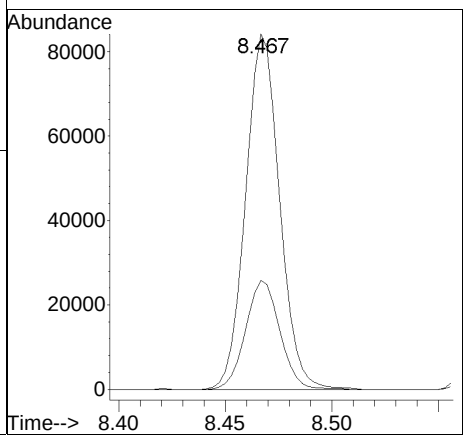


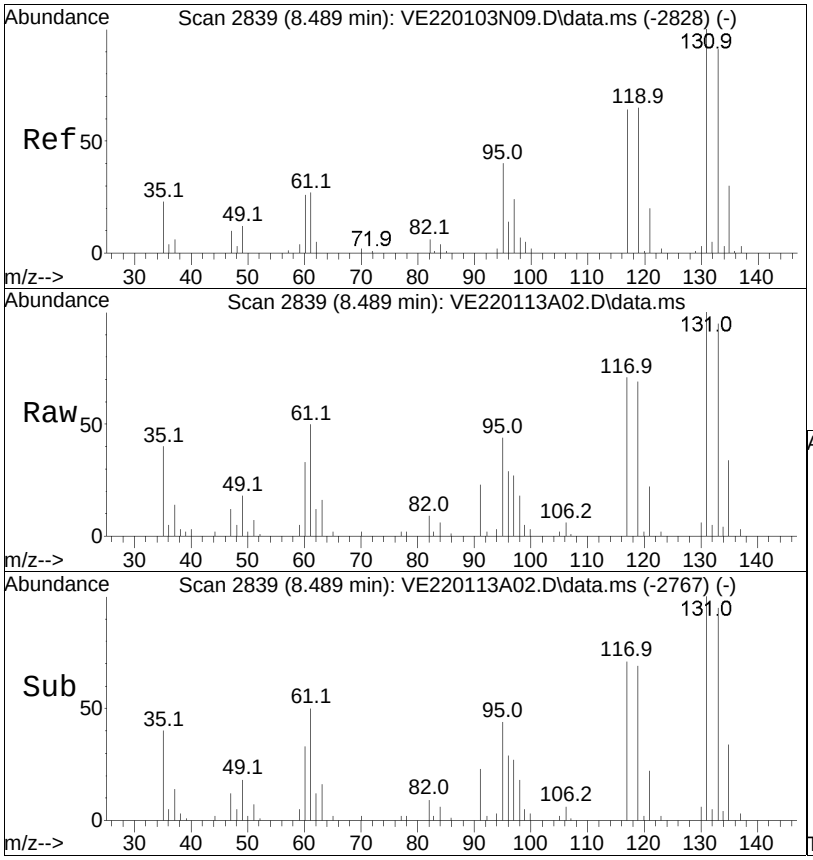


#74
Ethylbenzene
Concen: 9.26 ug/L
RT: 8.467 min Scan# 2831
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 91 Resp: 93327

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5

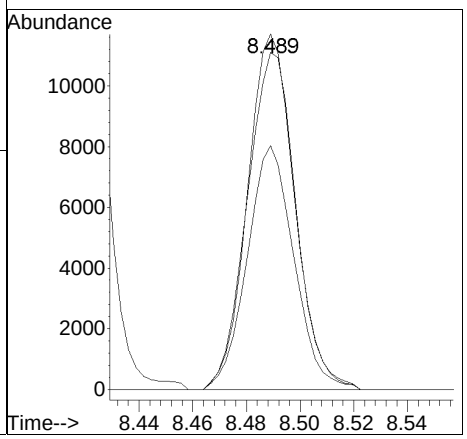


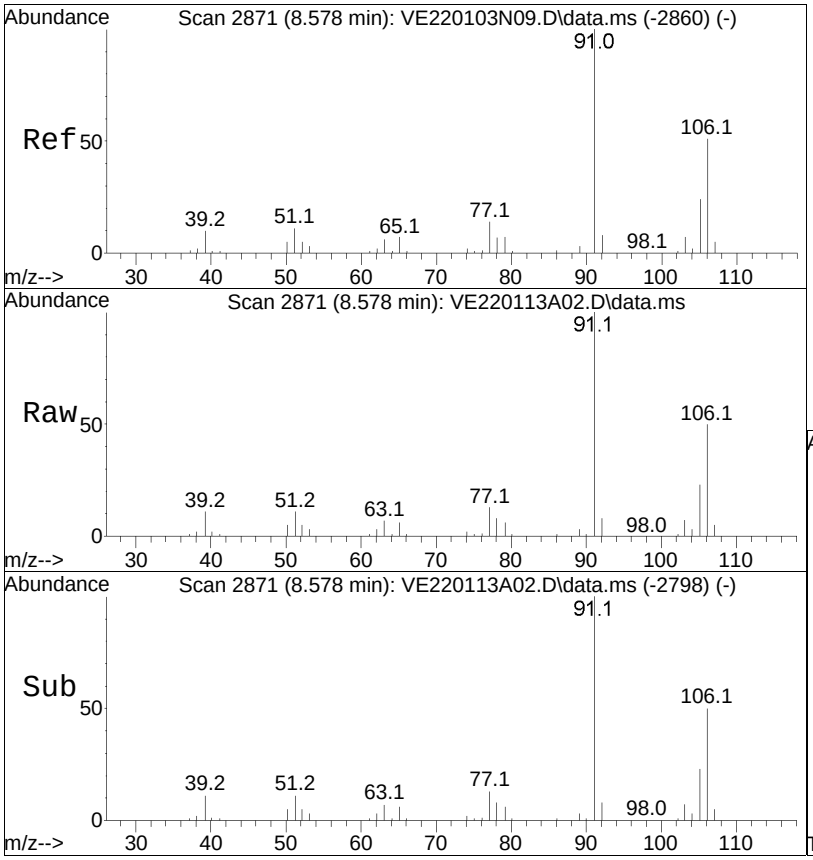


#75
1,1,1,2-Tetrachloroethane
Concen: 7.42 ug/L
RT: 8.489 min Scan# 2839
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:131 Resp: 14265

Ion	Ratio	Lower	Upper
131	100		
133	98.3	81.0	121.0
119	68.2	41.3	81.3

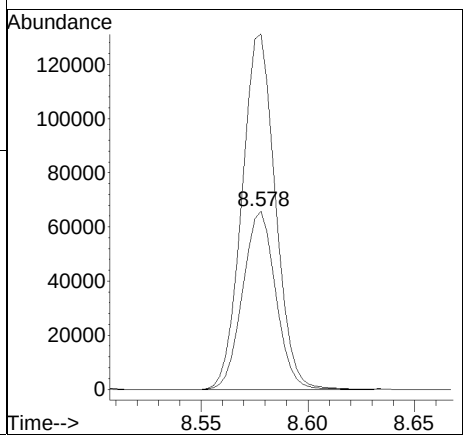


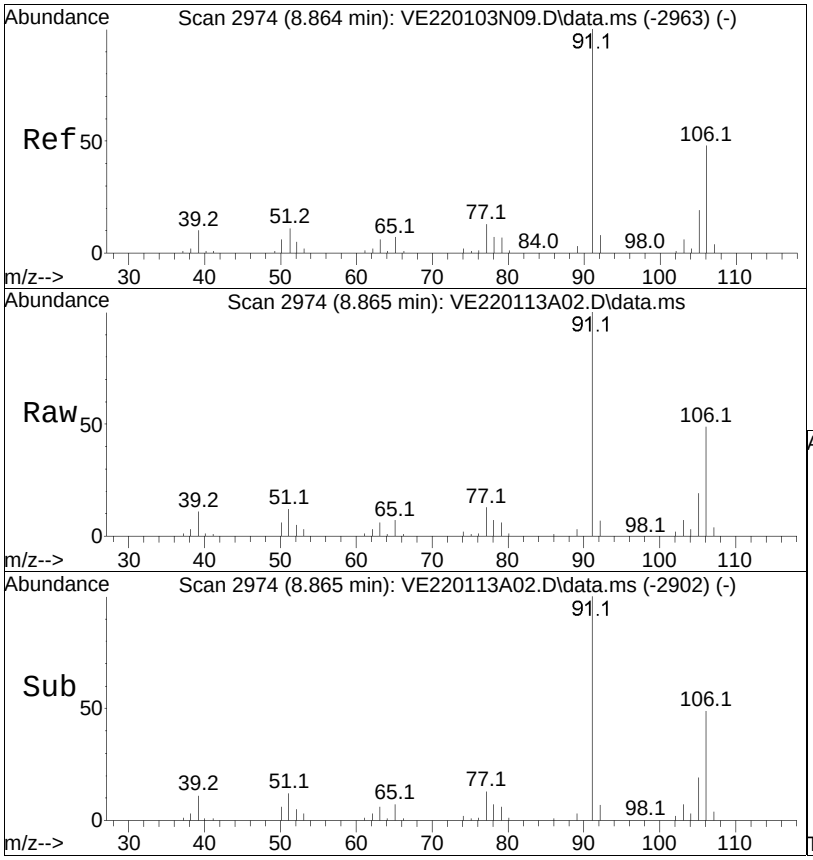


#76
p/m Xylene
Concen: 18.24 ug/L
RT: 8.578 min Scan# 2871
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:106 Resp: 70962

Ion	Ratio	Lower	Upper
106	100		
91	201.8	166.4	249.6

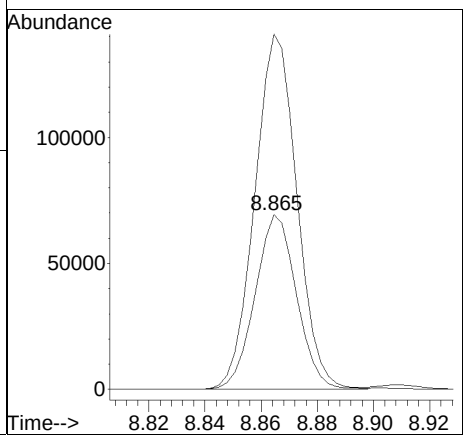


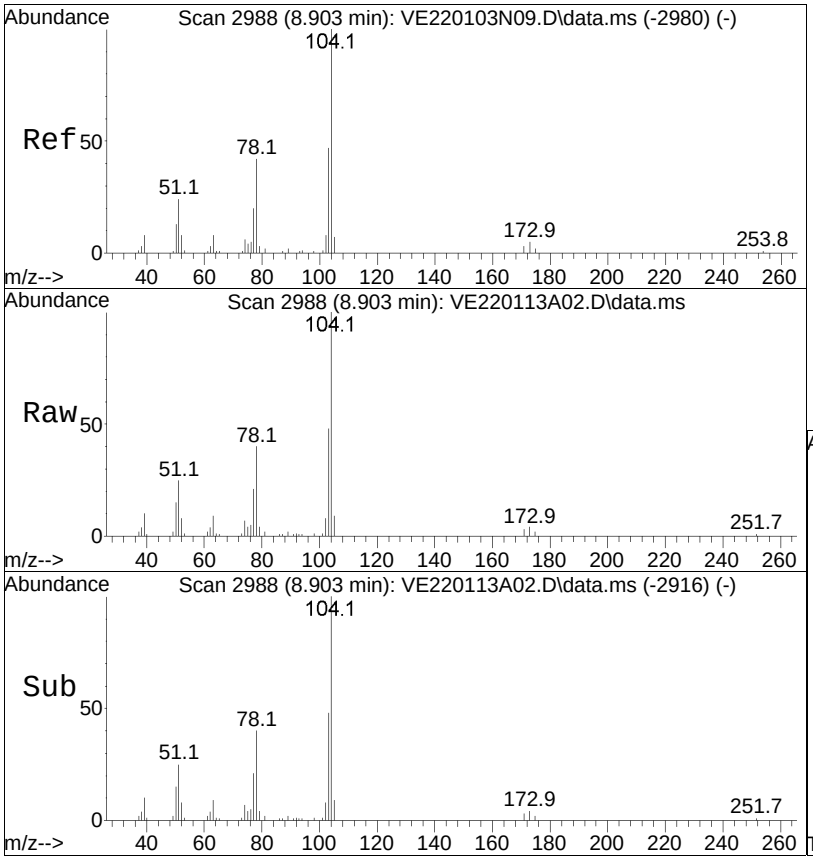


#77
o Xylene
Concen: 19.32 ug/L
RT: 8.865 min Scan# 2974
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:106 Resp: 71138

Ion	Ratio	Lower	Upper
106	100		
91	206.7	182.6	273.8

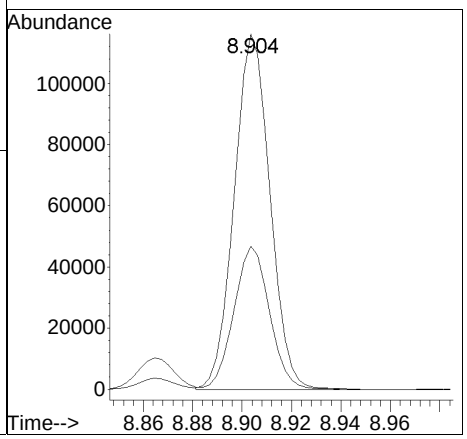


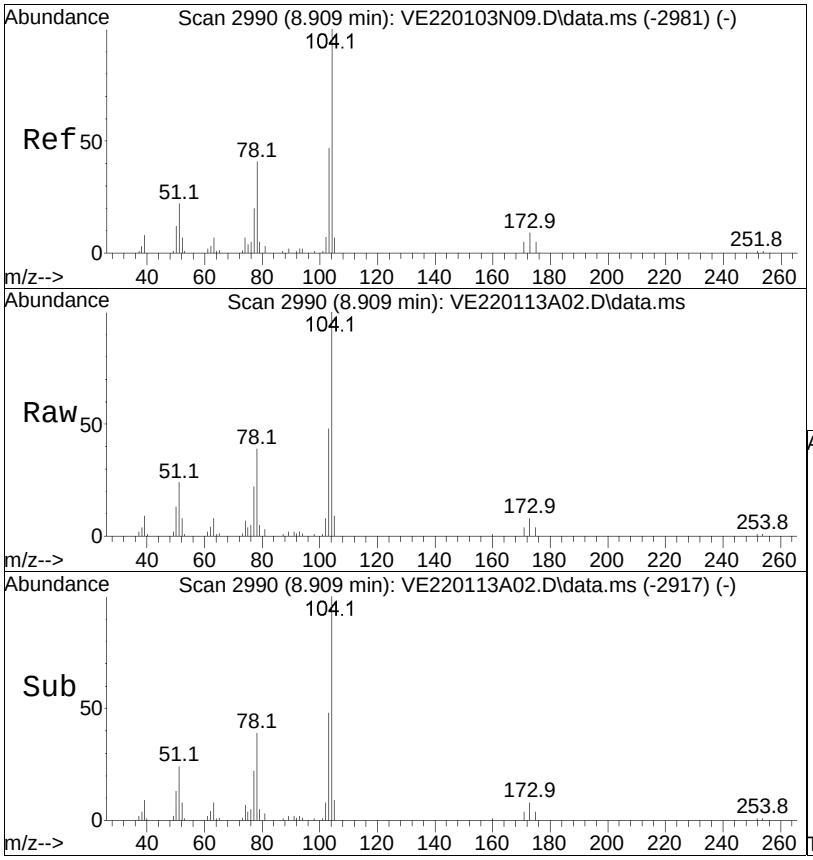


#78
Styrene
Concen: 19.31 ug/L
RT: 8.903 min Scan# 2988
Delta R.T. 0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:104 Resp: 116665

Ion	Ratio	Lower	Upper
104	100		
78	40.1	39.8	59.6

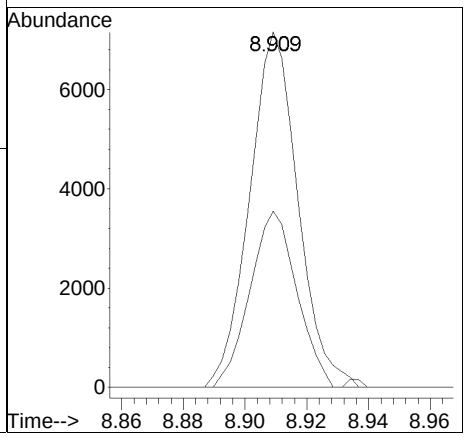


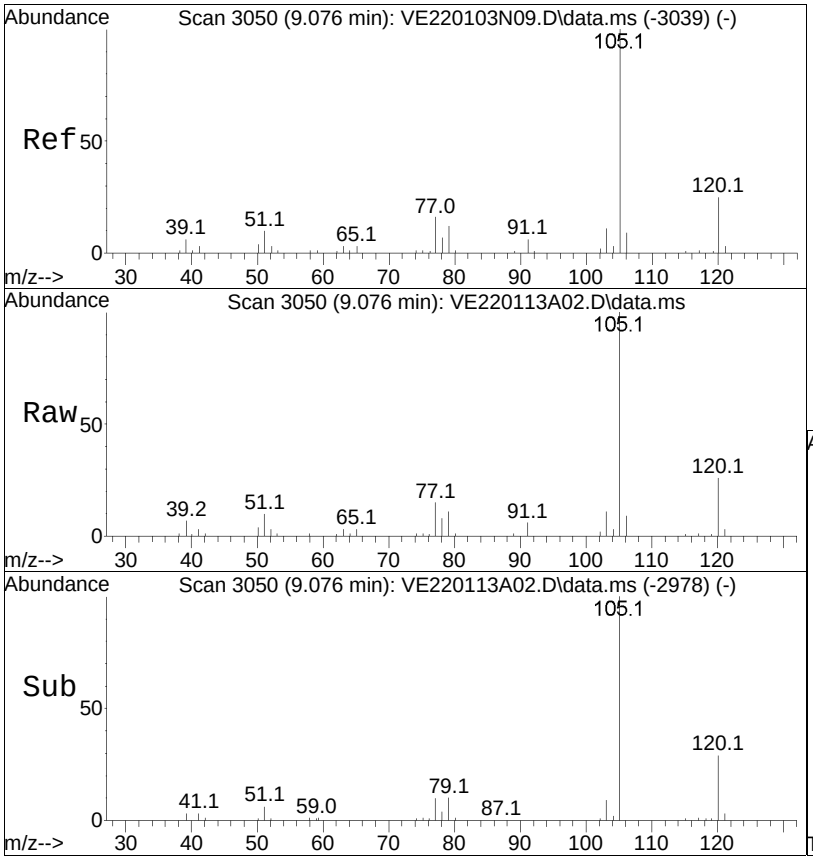


#80
Bromoform
Concen: 8.10 ug/L
RT: 8.909 min Scan# 2990
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:173 Resp: 7806

Ion	Ratio	Lower	Upper
173	100		
175	48.0	31.5	71.5

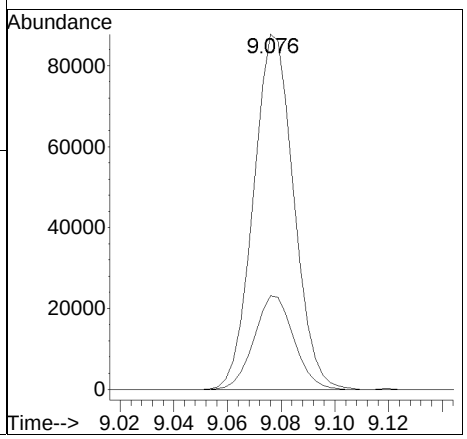


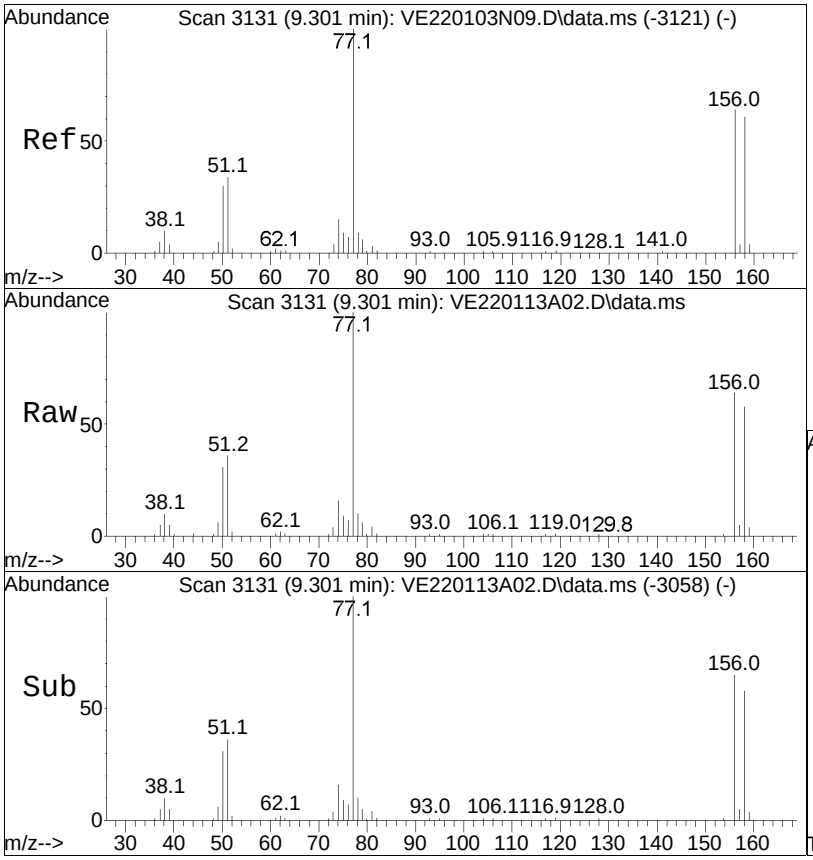


#82
Isopropylbenzene
Concen: 9.74 ug/L
RT: 9.076 min Scan# 3050
Delta R.T. 0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:105 Resp: 91311

Ion	Ratio	Lower	Upper
105	100		
120	26.1	4.8	44.8

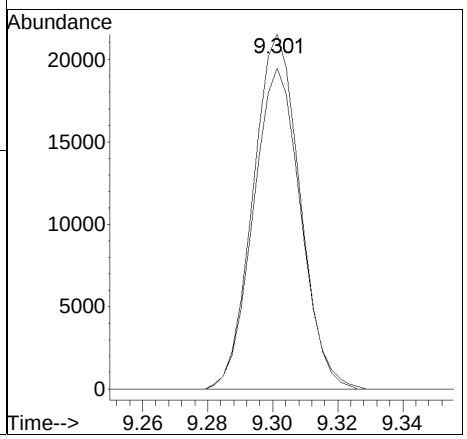


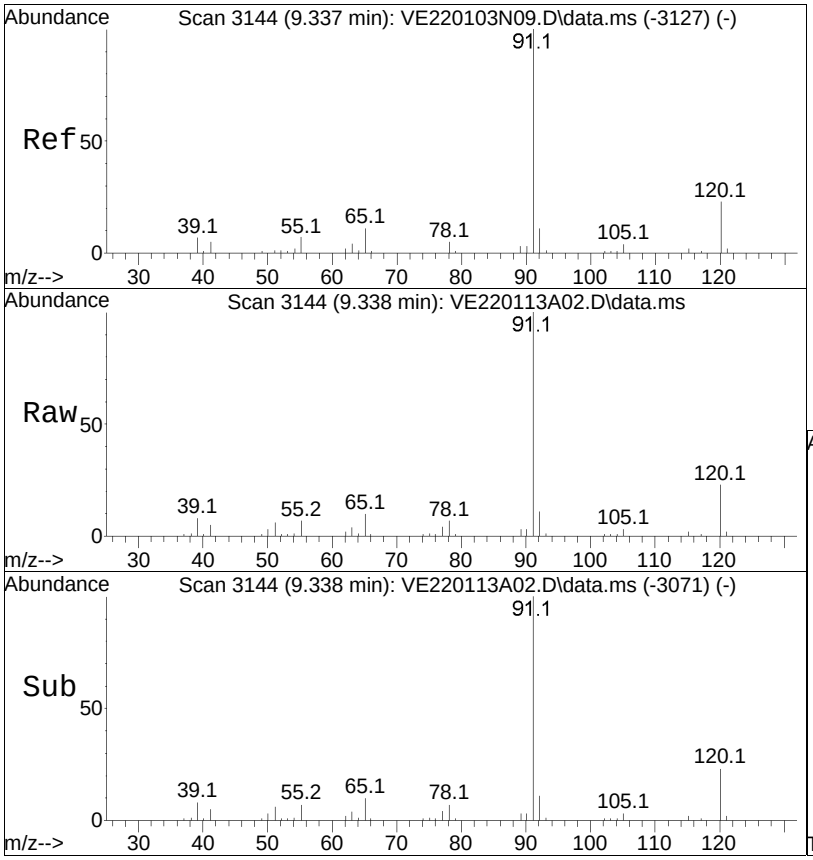


#84
Bromobenzene
Concen: 9.74 ug/L
RT: 9.301 min Scan# 3131
Delta R.T. 0.002 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:156 Resp: 21513

Ion	Ratio	Lower	Upper
156	100		
158	92.3	75.9	113.9

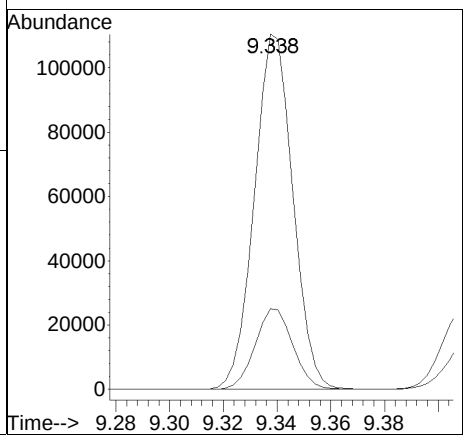


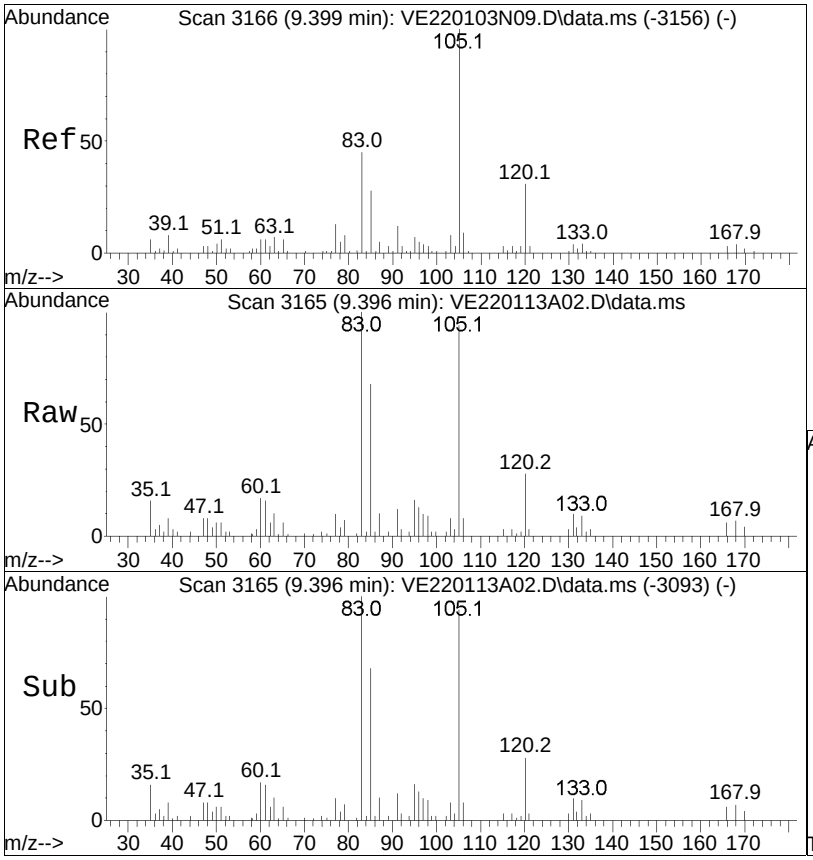


#85
n-Propylbenzene
Concen: 10.14 ug/L
RT: 9.338 min Scan# 3144
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 91 Resp: 110121

Ion	Ratio	Lower	Upper
91	100		
120	22.3	17.0	25.6

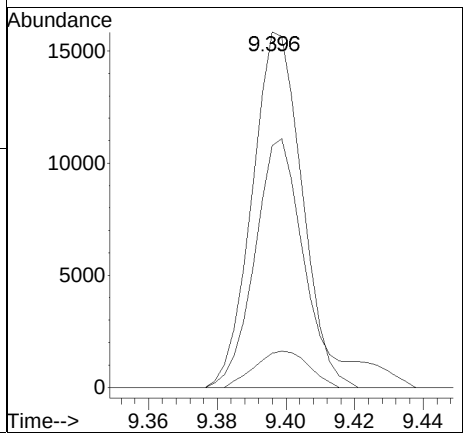


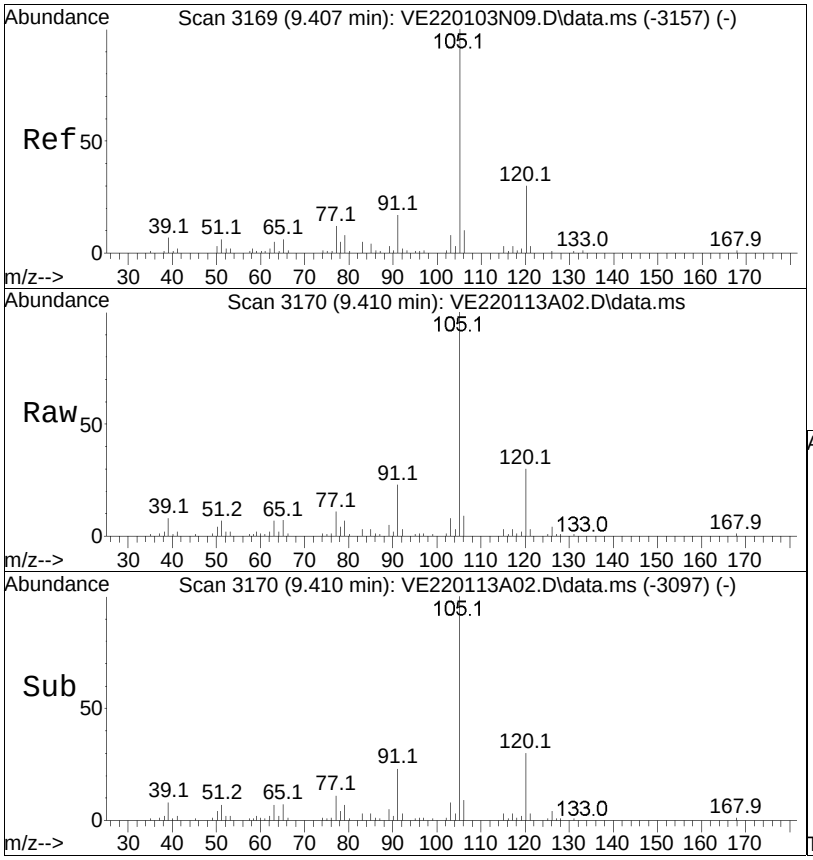


#87
1,1,2,2-Tetrachloroethane
Concen: 11.00 ug/L
RT: 9.396 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 83 Resp: 15952

Ion	Ratio	Lower	Upper
83	100		
131	11.1	0.0	30.4
85	74.7	45.4	85.4

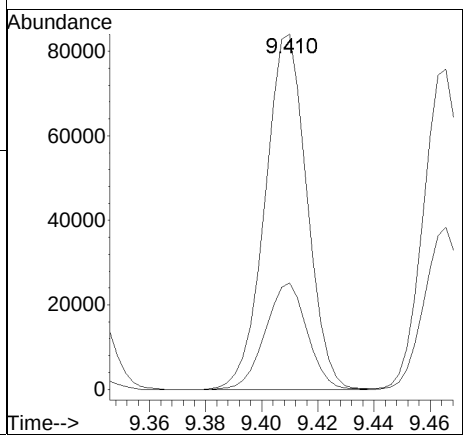


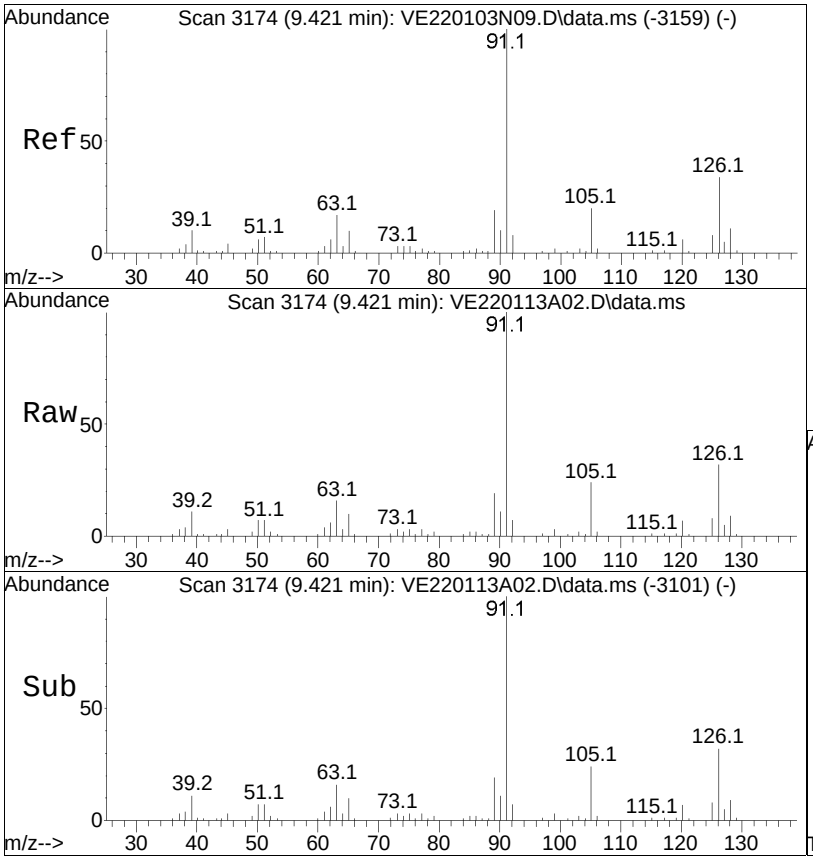


#88
4-Ethyltoluene
Concen: 9.57 ug/L
RT: 9.410 min Scan# 3170
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:105 Resp: 86927

Ion	Ratio	Lower	Upper
105	100		
120	29.9	18.1	37.7

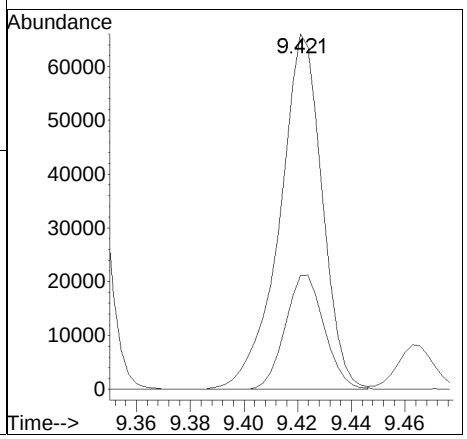


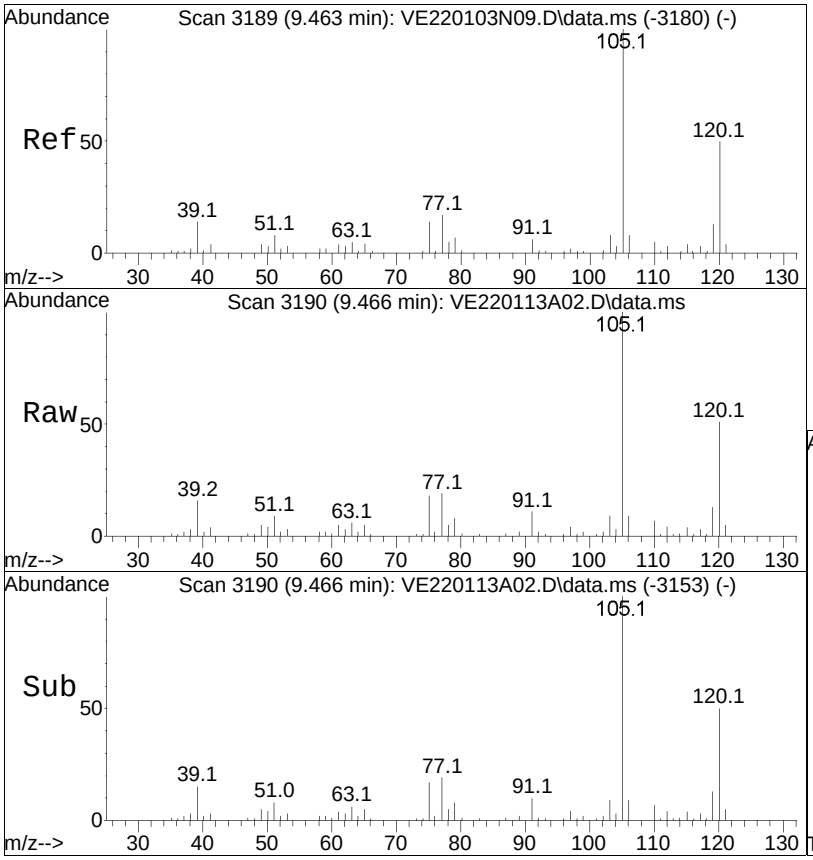


#89
2-Chlorotoluene
Concen: 9.75 ug/L
RT: 9.421 min Scan# 3174
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 91 Resp: 72934

Ion	Ratio	Lower	Upper
91	100		
126	29.5	21.5	32.3

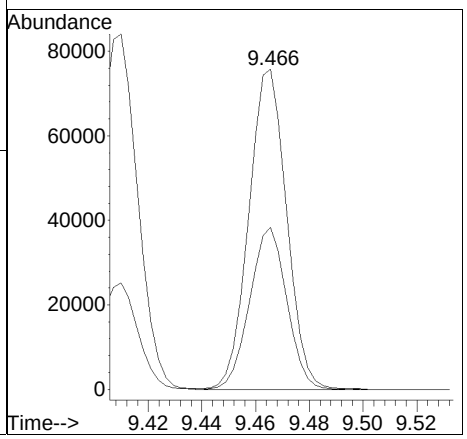


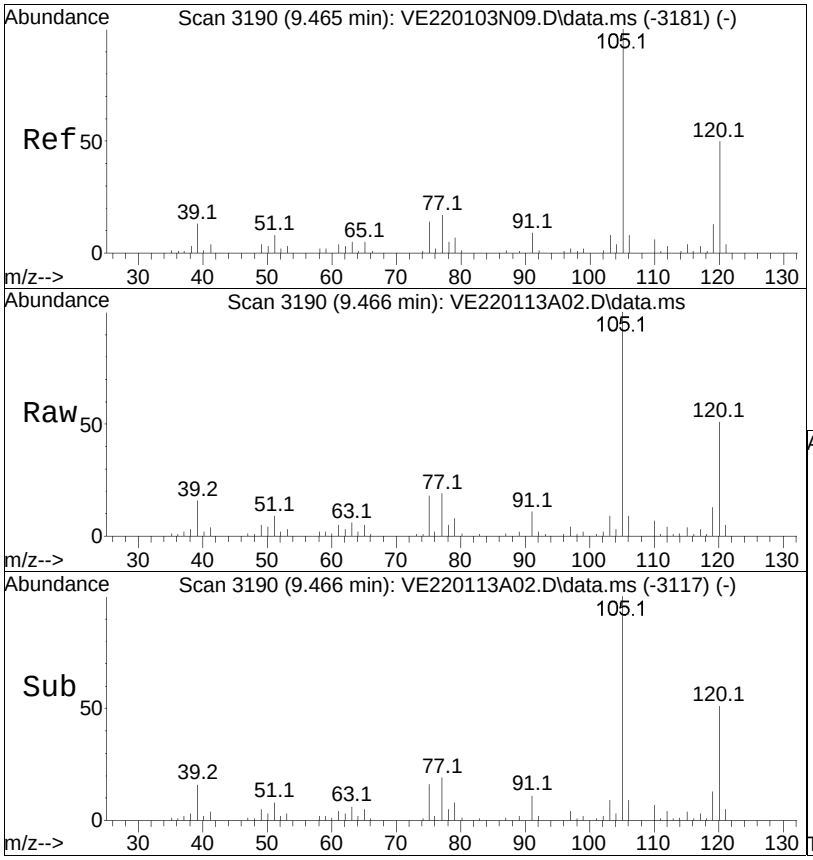


#90
1,3,5-Trimethylbenzene
Concen: 9.59 ug/L
RT: 9.466 min Scan# 3190
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:105 Resp: 74100

Ion	Ratio	Lower	Upper
105	100		
120	49.6	34.8	52.2

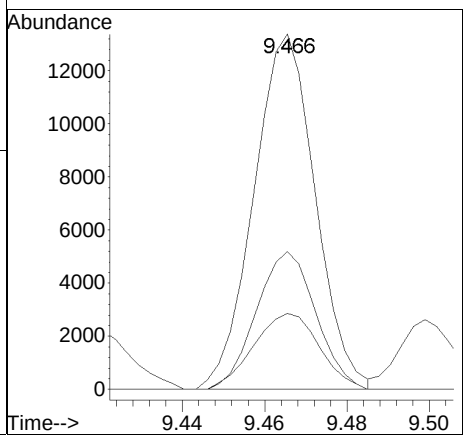


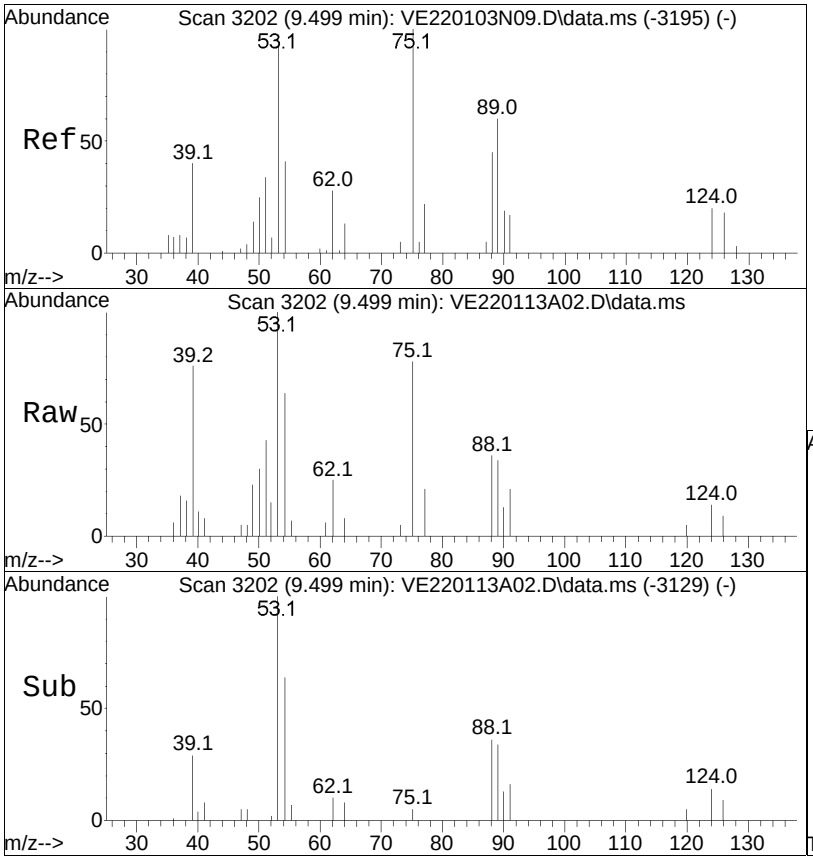


#91
1,2,3-Trichloropropane
Concen: 11.58 ug/L
RT: 9.466 min Scan# 3190
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 75 Resp: 13884

Ion	Ratio	Lower	Upper
75	100		
110	37.5	25.4	52.8
112	22.8	15.6	32.4

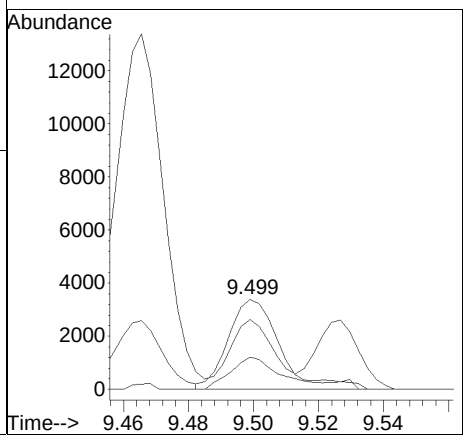


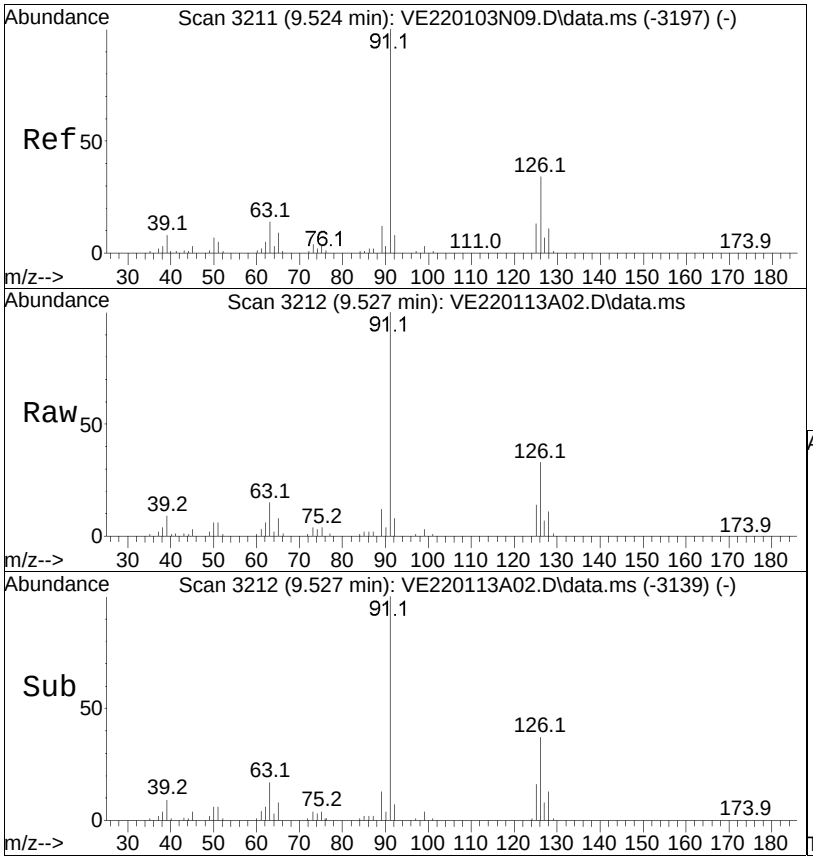


#92
trans-1,4-Dichloro-2-butene
Concen: 8.74 ug/L
RT: 9.499 min Scan# 3202
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 53 Resp: 3772

Ion	Ratio	Lower	Upper
53	100		
88	35.0	39.6	59.4#
75	66.2	70.2	105.4#

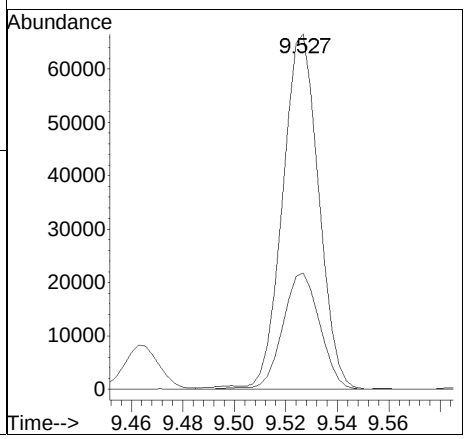


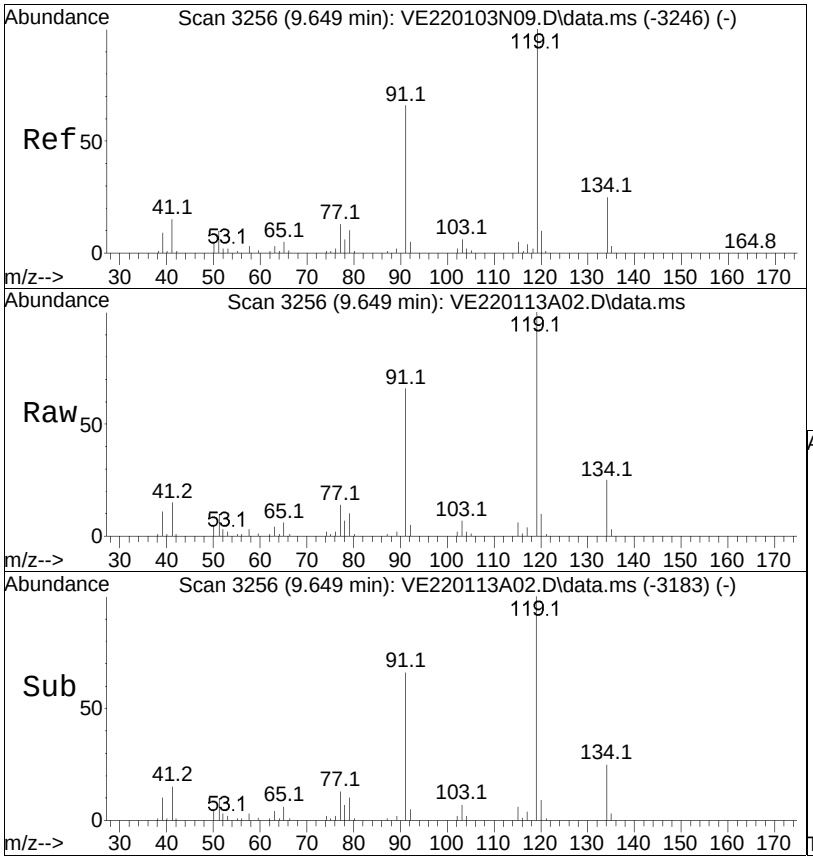


#93
4-Chlorotoluene
Concen: 9.73 ug/L
RT: 9.527 min Scan# 3212
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 91 Resp: 65073

Ion	Ratio	Lower	Upper
91	100		
126	33.6	24.6	36.8

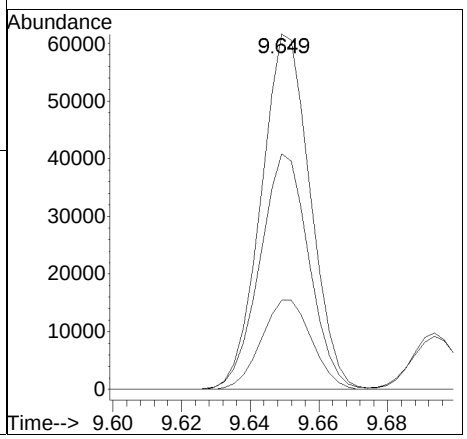


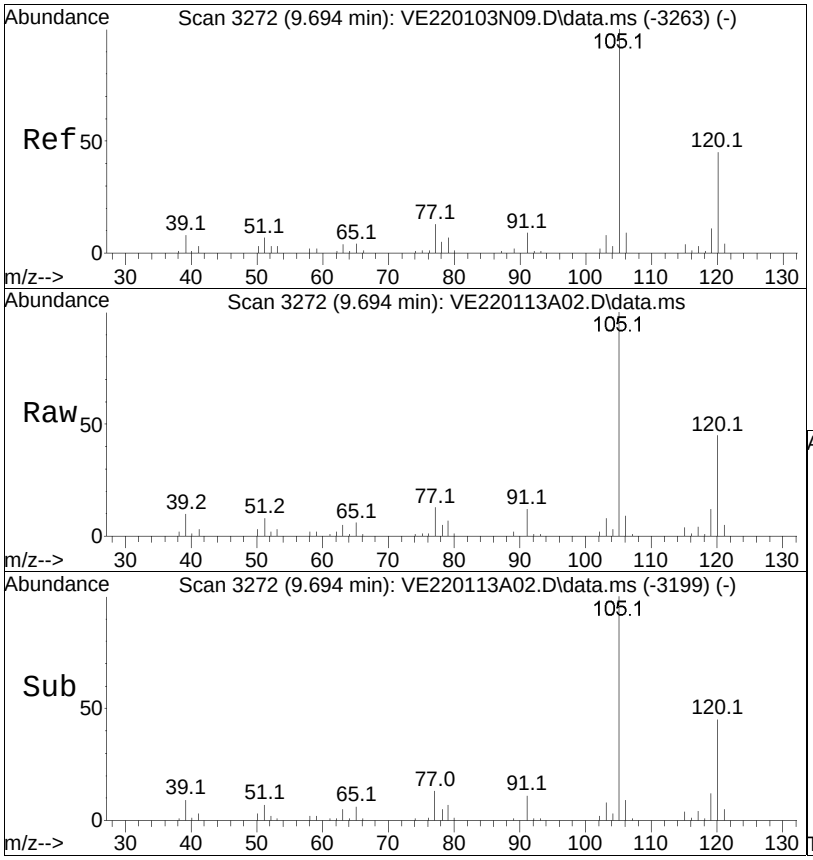


#94
tert-Butylbenzene
Concen: 9.34 ug/L
RT: 9.649 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:119 Resp: 61317

Ion	Ratio	Lower	Upper
119	100		
91	66.5	51.4	77.2
134	25.7	18.3	27.5

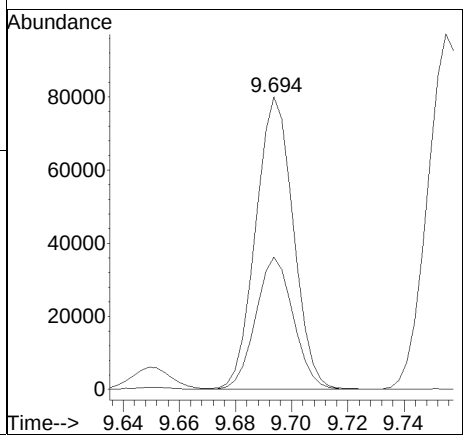


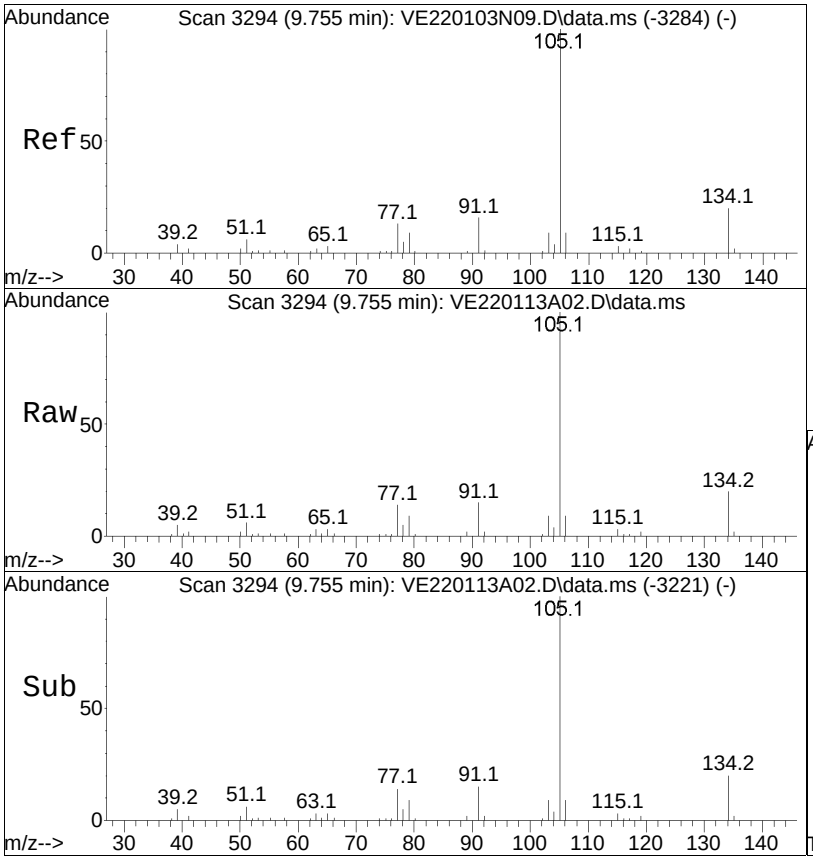


#97
1,2,4-Trimethylbenzene
Concen: 9.73 ug/L
RT: 9.694 min Scan# 3272
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:105 Resp: 74614

Ion	Ratio	Lower	Upper
105	100		
120	45.0	33.4	50.0

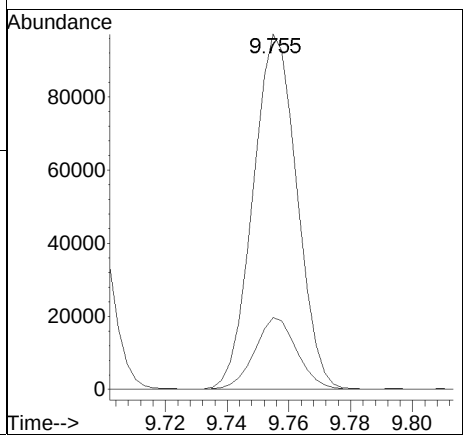


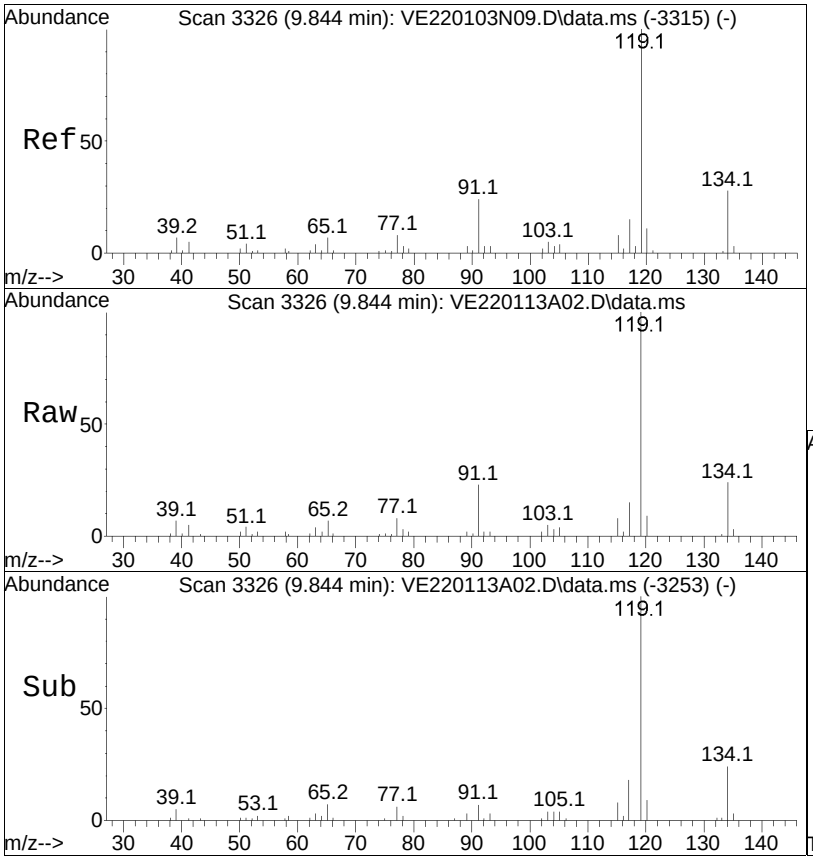


#98
sec-Butylbenzene
Concen: 9.93 ug/L
RT: 9.755 min Scan# 3294
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:105 Resp: 96059

Ion	Ratio	Lower	Upper
105	100		
134	19.4	12.5	26.1

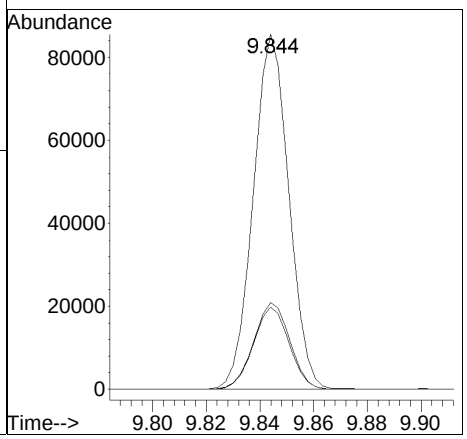


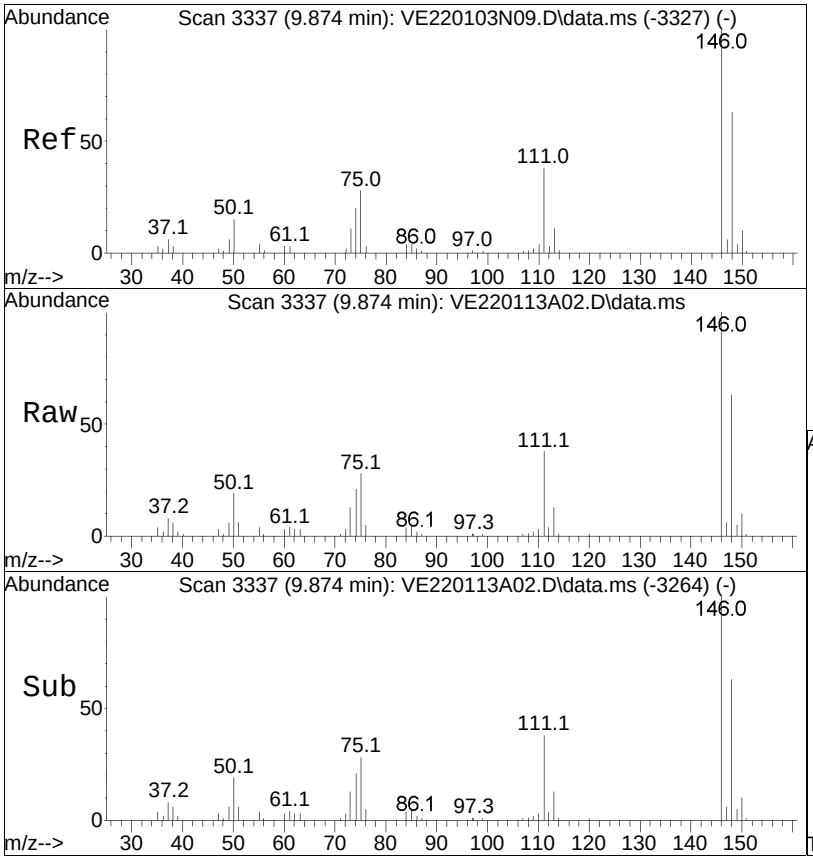


#99
p-Isopropyltoluene
Concen: 9.65 ug/L
RT: 9.844 min Scan# 3326
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:119 Resp: 78826

Ion	Ratio	Lower	Upper
119	100		
134	24.9	16.1	33.3
91	23.4	17.3	35.9

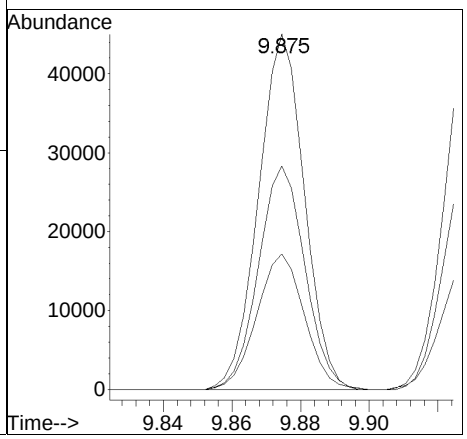


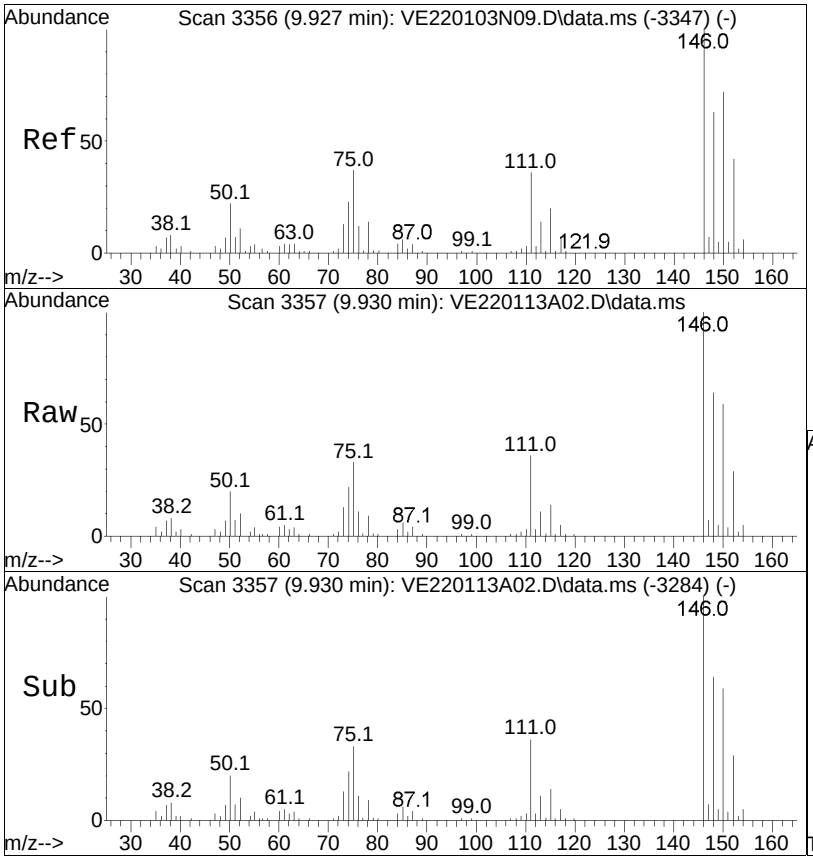


#100
1,3-Dichlorobenzene
Concen: 9.72 ug/L
RT: 9.874 min Scan# 3337
Delta R.T. 0.002 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:146 Resp: 41776

Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.5	57.1
148	63.8	41.9	86.9

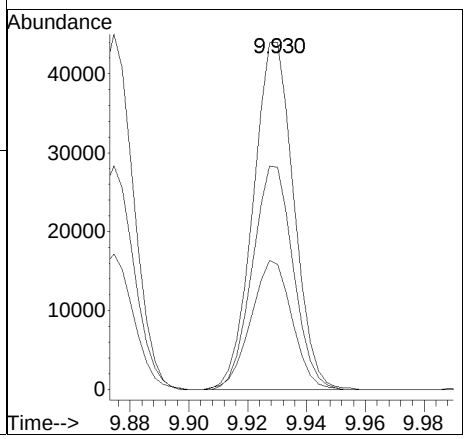


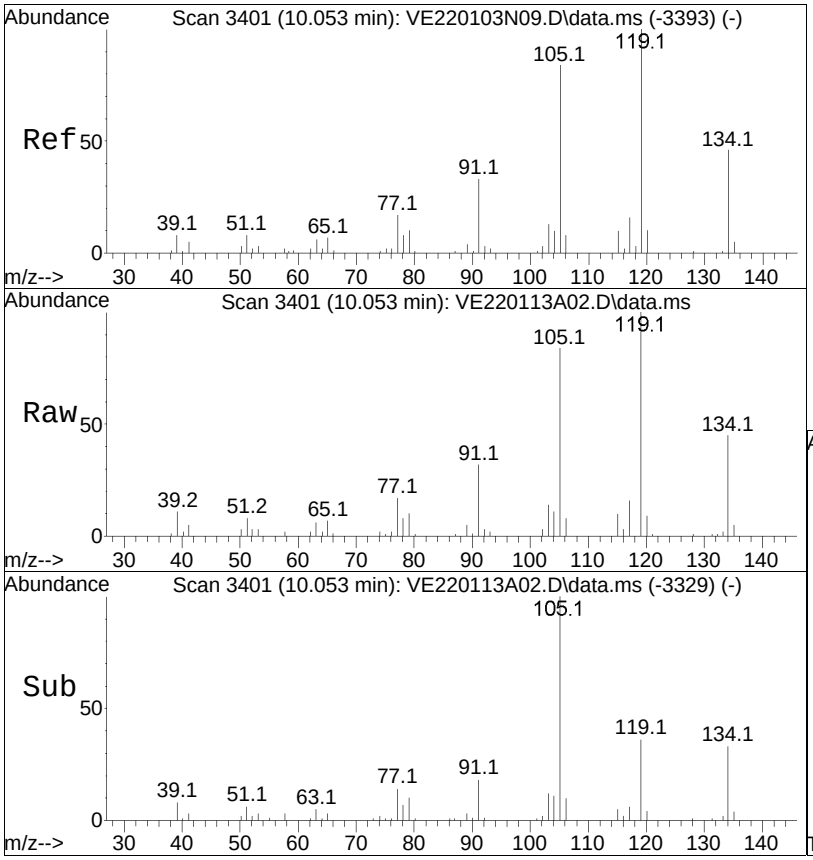


#101
1,4-Dichlorobenzene
Concen: 9.78 ug/L
RT: 9.930 min Scan# 3357
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:146 Resp: 42261

Ion	Ratio	Lower	Upper
146	100		
111	37.6	32.3	48.5
148	64.6	49.9	74.9

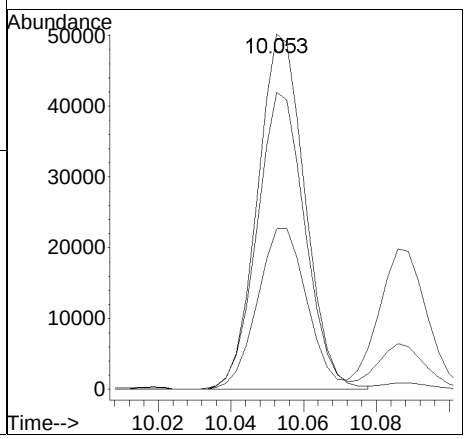


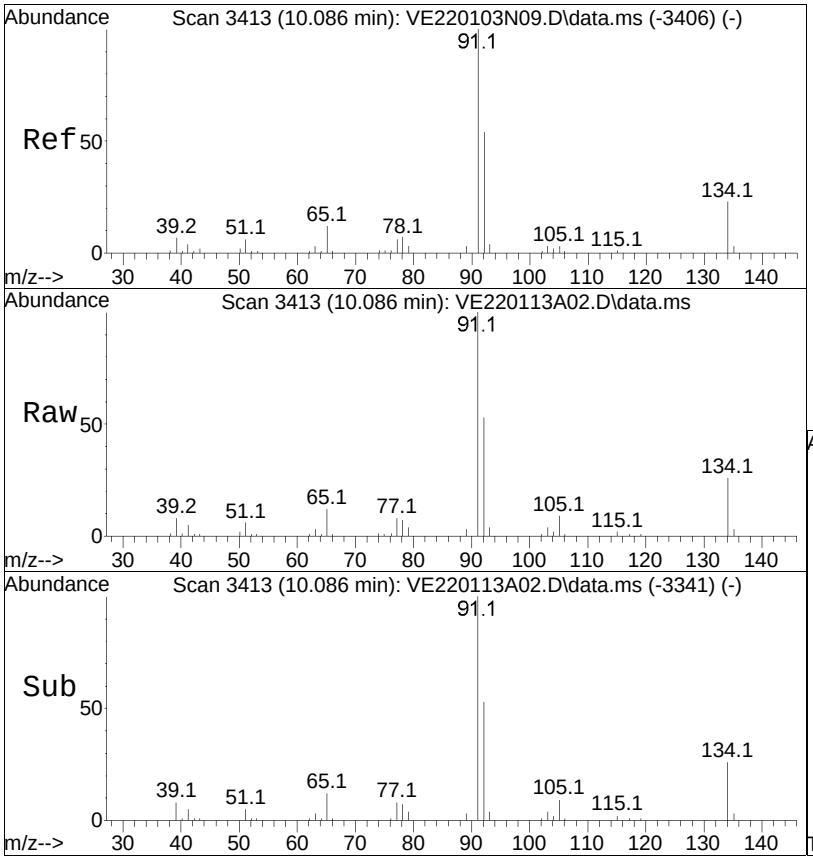


#102
p-Diethylbenzene
Concen: 9.43 ug/L
RT: 10.053 min Scan# 3401
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:119 Resp: 45492

Ion	Ratio	Lower	Upper
119	100		
105	84.6	59.5	123.7
134	47.6	30.2	62.6

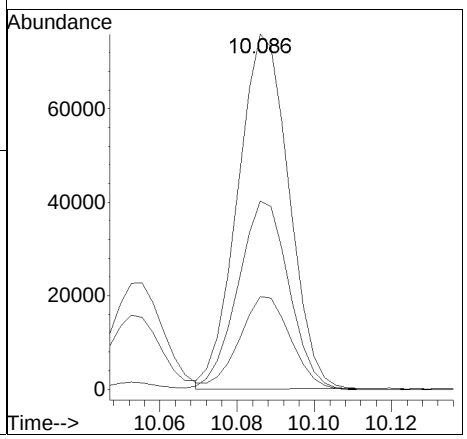


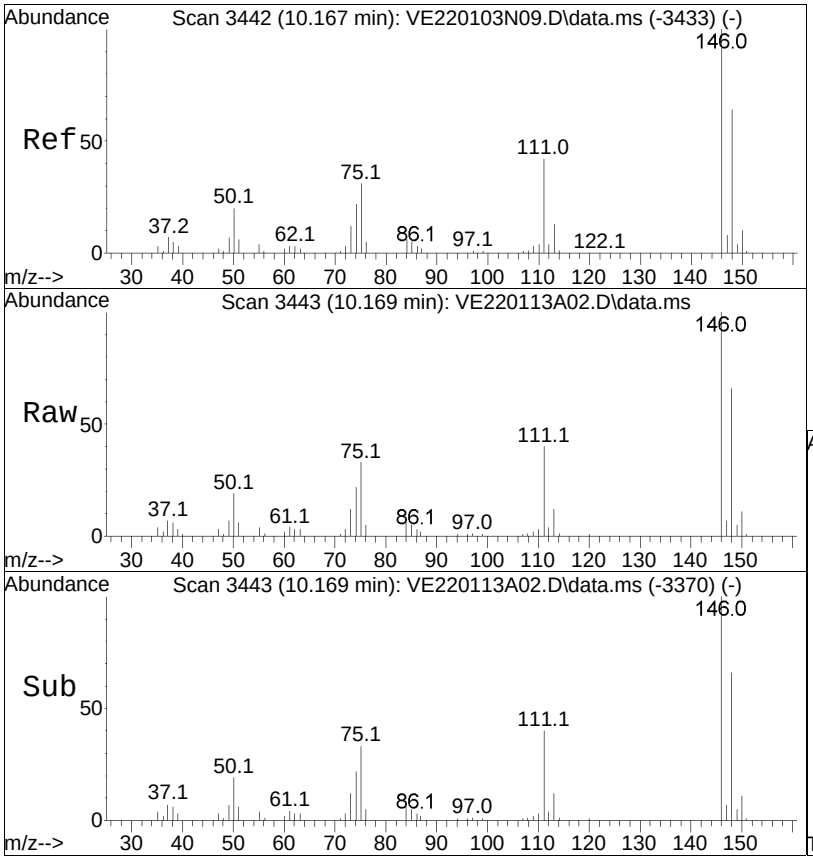


#103
n-Butylbenzene
Concen: 9.96 ug/L
RT: 10.086 min Scan# 3413
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion: 91 Resp: 69865

Ion	Ratio	Lower	Upper
91	100		
92	53.0	43.0	64.4
134	25.9	19.6	29.4

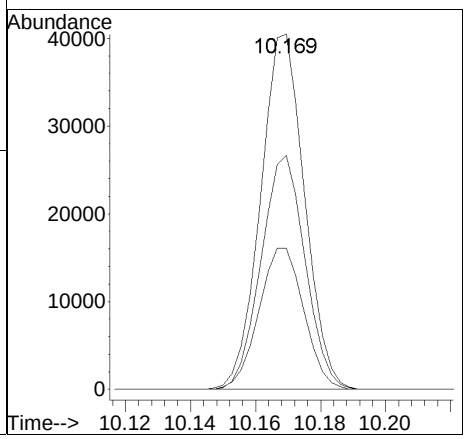


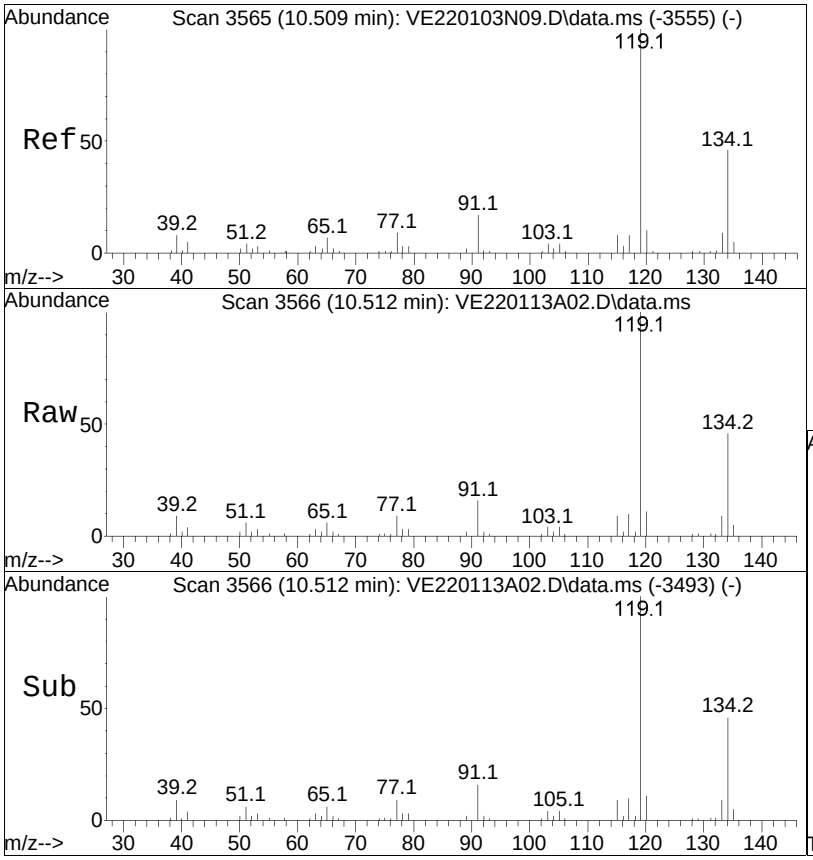


#104
1,2-Dichlorobenzene
Concen: 9.59 ug/L
RT: 10.169 min Scan# 3443
Delta R.T. 0.002 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:146 Resp: 38055

Ion	Ratio	Lower	Upper
146	100		
111	40.7	28.3	58.7
148	65.9	42.3	87.8

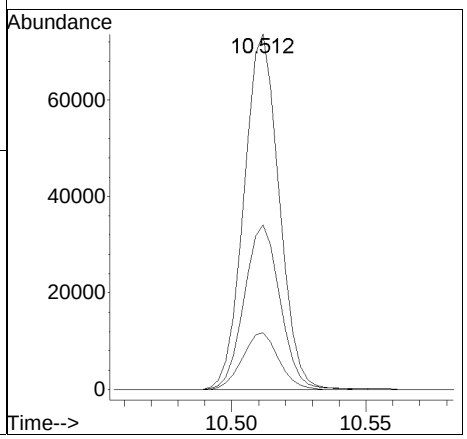


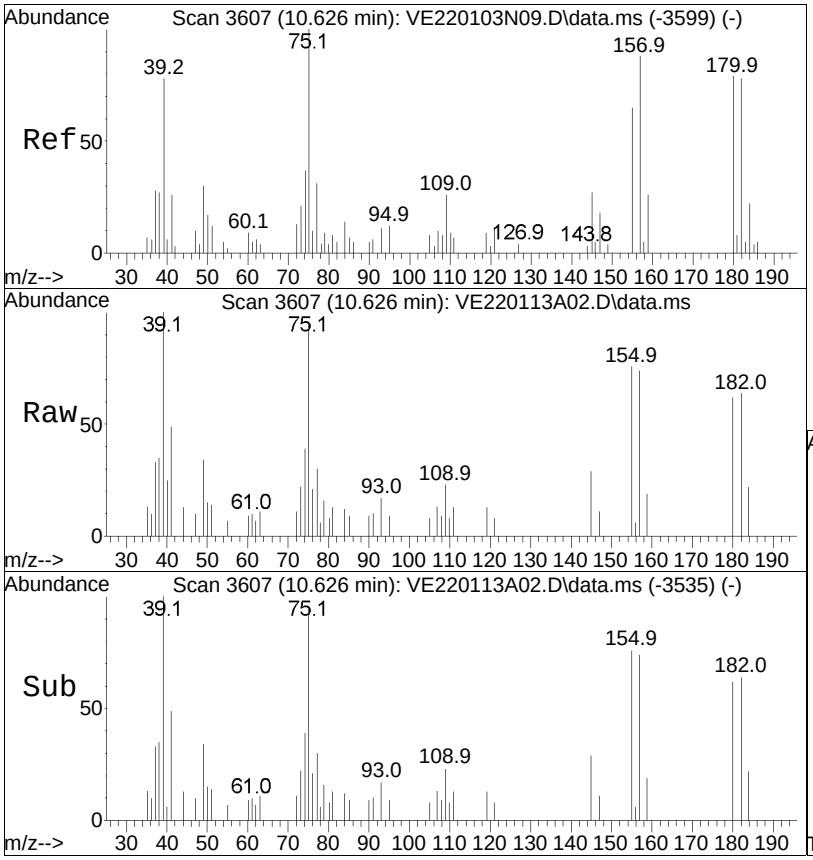


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.11 ug/L
RT: 10.512 min Scan# 3566
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:119 Resp: 66980

Ion	Ratio	Lower	Upper
119	100		
134	47.3	30.5	63.3
91	16.4	12.4	25.7

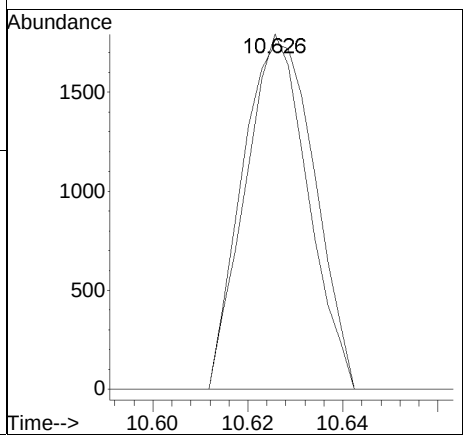


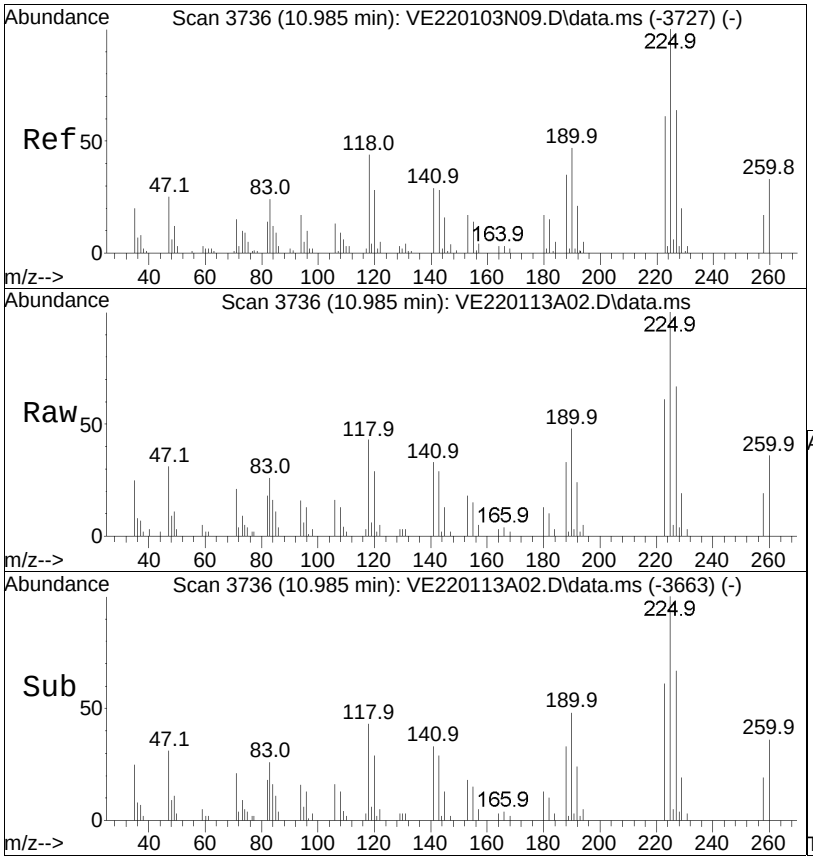


#106
1,2-Dibromo-3-chloropropane
Concen: 7.73 ug/L
RT: 10.626 min Scan# 3607
Delta R.T. -0.000 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:155 Resp: 1642

Ion	Ratio	Lower	Upper
155	100		
157	113.8	94.8	142.2

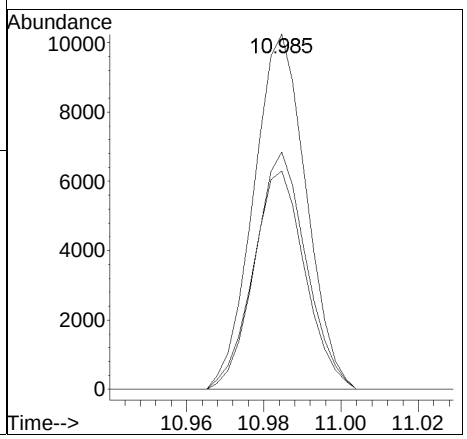


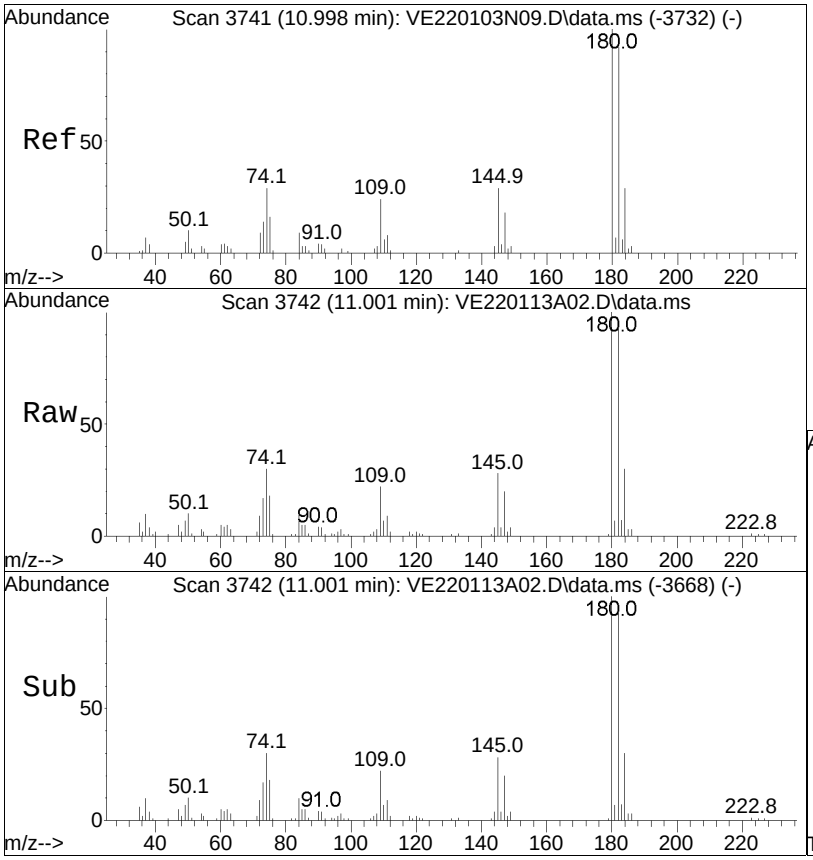


#108
Hexachlorobutadiene
Concen: 9.48 ug/L
RT: 10.985 min Scan# 3736
Delta R.T. 0.003 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:225 Resp: 9725

Ion	Ratio	Lower	Upper
225	100		
223	61.0	54.3	81.5
227	64.6	52.4	78.6

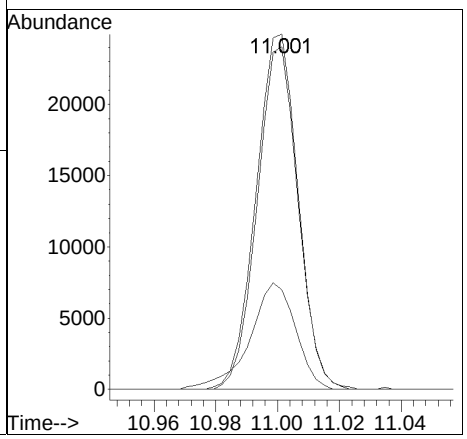


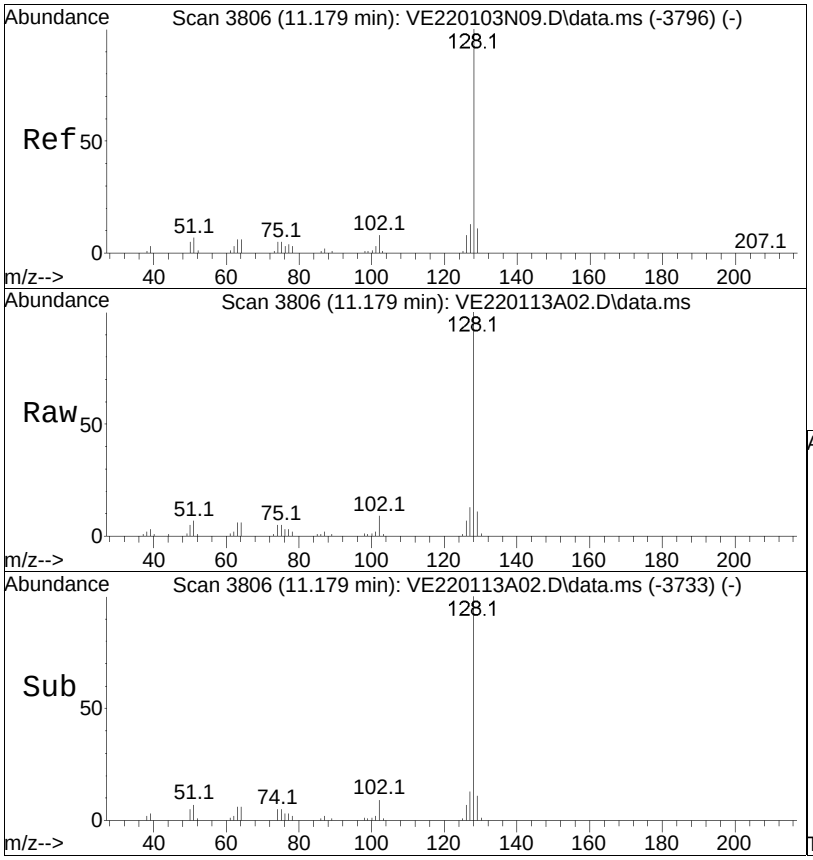


#109
1,2,4-Trichlorobenzene
Concen: 9.54 ug/L
RT: 11.001 min Scan# 3742
Delta R.T. 0.005 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:180 Resp: 23608

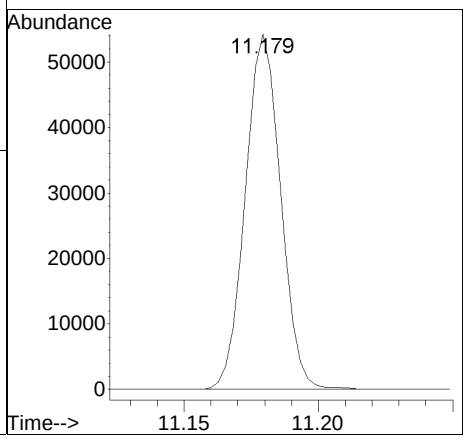
Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.3	115.9
145	32.8	28.1	42.1

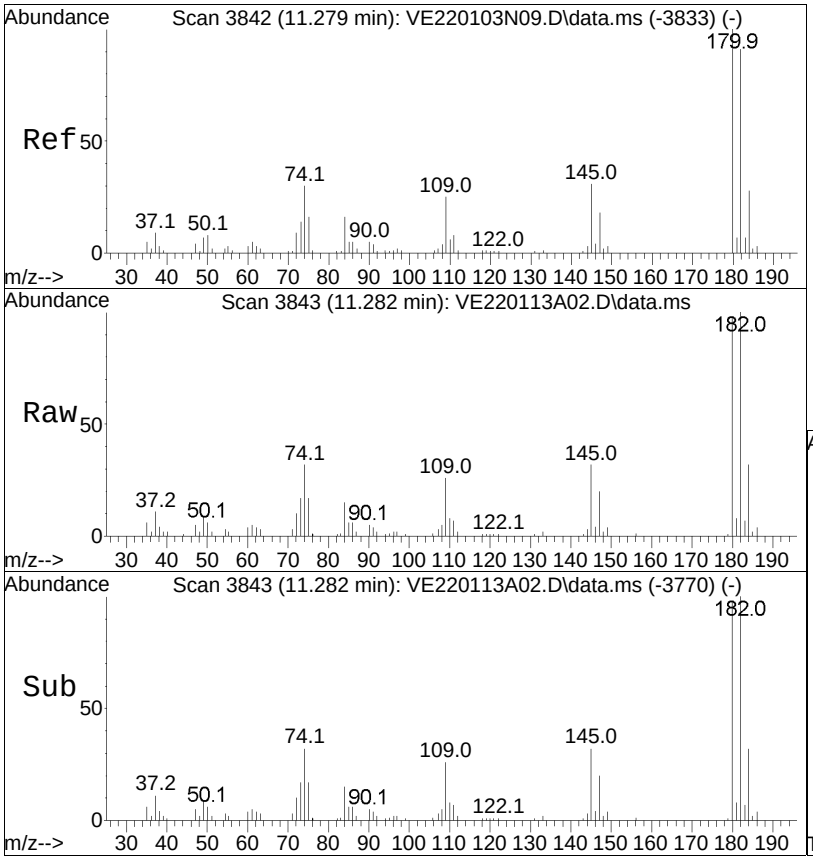




#110
Naphthalene
Concen: 10.31 ug/L
RT: 11.179 min Scan# 3806
Delta R.T. 0.002 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:128 Resp: 49674

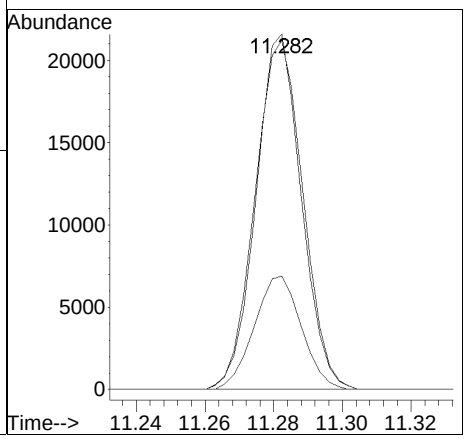




#111
1,2,3-Trichlorobenzene
Concen: 9.72 ug/L
RT: 11.282 min Scan# 3843
Delta R.T. 0.002 min
Lab File: VE220113A02.D
Acq: 13 Jan 2022 10:57 am

Tgt Ion:180 Resp: 20484

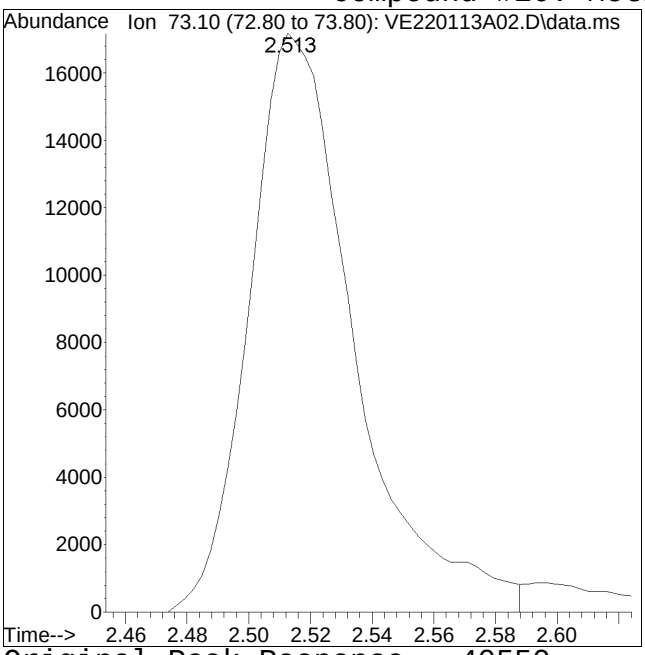
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.4	114.6
145	32.0	26.4	39.6



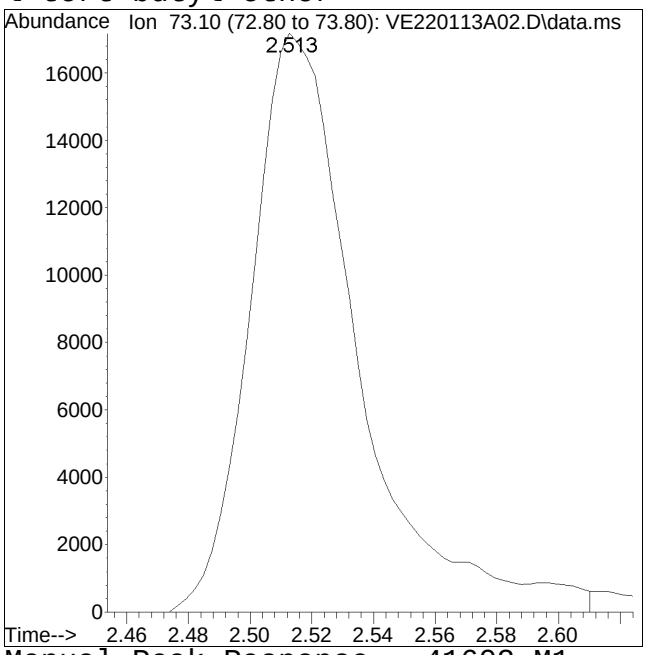
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220113A02.D Operator : ELAINE:PD
Date Inj'd : 1/13/2022 10:57 am Instrument : Elaine
Sample : WG1594142-3,31,10,10 Quant Date : 1/13/2022 11:11 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 40550



Manual Peak Response = 41602 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A03.D
Acq On : 13 Jan 2022 11:17 am
Operator : ELAINE:PD
Sample : WG1594142-4,31,10,10
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:58:49 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.356	96	117306	10.000	ug/L	0.00
Standard Area 1 = 117975			Recovery = 99.43%			
59) Chlorobenzene-d5	8.417	117	87499	10.000	ug/L	0.00
Standard Area 1 = 86573			Recovery = 101.07%			
79) 1,4-Dichlorobenzene-d4	9.919	152	46031	10.000	ug/L	0.00
Standard Area 1 = 45323			Recovery = 101.56%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.354	113	28820	10.471	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.71%			
43) 1,2-Dichloroethane-d4	5.008	65	32369	10.982	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.82%			
60) Toluene-d8	7.084	98	113315	9.772	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.72%			
83) 4-Bromofluorobenzene	9.246	95	36765	9.377	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.77%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.910	85	34073	11.432	ug/L	99
3) Chloromethane	1.024	50	21795	9.705	ug/L	100
4) Vinyl chloride	1.074	62	25134	9.970	ug/L	97
5) Bromomethane	1.272	94	19236	13.271	ug/L	98
6) Chloroethane	1.350	64	29352	17.234	ug/L	91
7) Trichlorofluoromethane	1.441	101	57995	14.220	ug/L	94
8) Ethyl ether	1.667	74	11178	12.244	ug/L #	57
10) 1,1-Dichloroethene	1.792	96	17535	9.519	ug/L #	65
11) Carbon disulfide	1.798	76	46166	9.895	ug/L	98
15) Methylene chloride	2.262	84	21517	10.530	ug/L	72
17) Acetone	2.312	43	3300	11.840	ug/L	95
18) trans-1,2-Dichloroethene	2.399	96	19096	9.570	ug/L	71
20) Methyl tert-butyl ether	2.515	73	43926	10.396	ug/L	93
23) 1,1-Dichloroethane	3.008	63	37550	10.064	ug/L	97
25) Acrylonitrile	3.086	53	4834	11.463	ug/L	94
27) Vinyl acetate	3.364	43	26277	7.658	ug/L	98
28) cis-1,2-Dichloroethene	3.673	96	22005	9.933	ug/L #	69
29) 2,2-Dichloropropane	3.801	77	19299	5.958	ug/L #	71
30) Bromochloromethane	3.943	128	9574	10.169	ug/L #	69
32) Chloroform	4.107	83	36298	10.010	ug/L	97

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A03.D
Acq On : 13 Jan 2022 11:17 am
Operator : ELAINE:PD
Sample : WG1594142-4,31,10,10
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:58:49 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.218	117	20491	7.740	ug/L		97
37) 1,1,1-Trichloroethane	4.321	97	27312	8.700	ug/L		98
39) 2-Butanone	4.549	43	4661M1	11.128	ug/L		
40) 1,1-Dichloropropene	4.499	75	26053	9.751	ug/L		94
41) Benzene	4.819	78	83774	10.212	ug/L	#	89
44) 1,2-Dichloroethane	5.092	62	25427	10.979	ug/L		99
48) Trichloroethene	5.554	95	20244	9.684	ug/L	#	87
50) Dibromomethane	6.015	93	11344	10.963	ug/L		94
51) 1,2-Dichloropropane	6.127	63	19768	9.671	ug/L		96
54) Bromodichloromethane	6.241	83	26622	9.868	ug/L		96
57) 1,4-Dioxane	6.466	88	6183	927.833	ug/L	#	67
58) cis-1,3-Dichloropropene	6.909	75	26535	8.796	ug/L		98
61) Toluene	7.131	92	52287	9.721	ug/L		96
62) 4-Methyl-2-pentanone	7.557	58	4165	11.174	ug/L	#	85
63) Tetrachloroethene	7.496	166	20433	9.367	ug/L		91
65) trans-1,3-Dichloropropene	7.579	75	18470	7.392	ug/L		97
68) 1,1,2-Trichloroethane	7.710	83	12869	10.970	ug/L		94
69) Chlorodibromomethane	7.849	129	15582	9.420	ug/L		99
70) 1,3-Dichloropropane	7.927	76	27767	11.046	ug/L		99
71) 1,2-Dibromoethane	8.008	107	13226	9.723	ug/L		98
72) 2-Hexanone	8.258	43	6538	9.661	ug/L		95
73) Chlorobenzene	8.428	112	54962	9.921	ug/L		93
74) Ethylbenzene	8.467	91	98852	9.699	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.489	131	15877	8.173	ug/L		93
76) p/m Xylene	8.575	106	75903	19.304	ug/L		96
77) o Xylene	8.864	106	73491	19.750	ug/L		88
78) Styrene	8.903	104	121942	19.971	ug/L		87
80) Bromoform	8.909	173	8289	8.472	ug/L		95
82) Isopropylbenzene	9.076	105	94152	9.890	ug/L		98
84) Bromobenzene	9.301	156	21875	9.754	ug/L		92
85) n-Propylbenzene	9.337	91	114231	10.360	ug/L		97
87) 1,1,2,2-Tetrachloroethane	9.399	83	16734	11.365	ug/L		94
88) 4-Ethyltoluene	9.410	105	91678	9.940	ug/L		97
89) 2-Chlorotoluene	9.421	91	75817	9.977	ug/L		94
90) 1,3,5-Trimethylbenzene	9.465	105	78814	10.041	ug/L		89
91) 1,2,3-Trichloropropane	9.465	75	14020	11.517	ug/L		99
92) trans-1,4-Dichloro-2-b...	9.499	53	3287	7.501	ug/L	#	87
93) 4-Chlorotoluene	9.527	91	67525	9.943	ug/L		94
94) tert-Butylbenzene	9.649	119	65049	9.758	ug/L		97

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A03.D
Acq On : 13 Jan 2022 11:17 am
Operator : ELAINE:PD
Sample : WG1594142-4,31,10,10
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:58:49 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.694	105	77728	9.985	ug/L	94
98)	sec-Butylbenzene	9.755	105	97237	9.901	ug/L	98
99)	p-Isopropyltoluene	9.844	119	83007	10.002	ug/L	96
100)	1,3-Dichlorobenzene	9.874	146	43878	10.050	ug/L	97
101)	1,4-Dichlorobenzene	9.927	146	43815	9.981	ug/L	97
102)	p-Diethylbenzene	10.055	119	47465	9.686	ug/L	95
103)	n-Butylbenzene	10.086	91	74560	10.465	ug/L	98
104)	1,2-Dichlorobenzene	10.169	146	40273	9.988	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.512	119	71076	9.523	ug/L	98
106)	1,2-Dibromo-3-chloropr...	10.626	155	1659	7.691	ug/L	89
108)	Hexachlorobutadiene	10.985	225	10098	9.695	ug/L	95
109)	1,2,4-Trichlorobenzene	10.998	180	23760	9.450	ug/L	98
110)	Naphthalene	11.179	128	49961	10.213	ug/L	100
111)	1,2,3-Trichlorobenzene	11.282	180	21189	9.896	ug/L	98

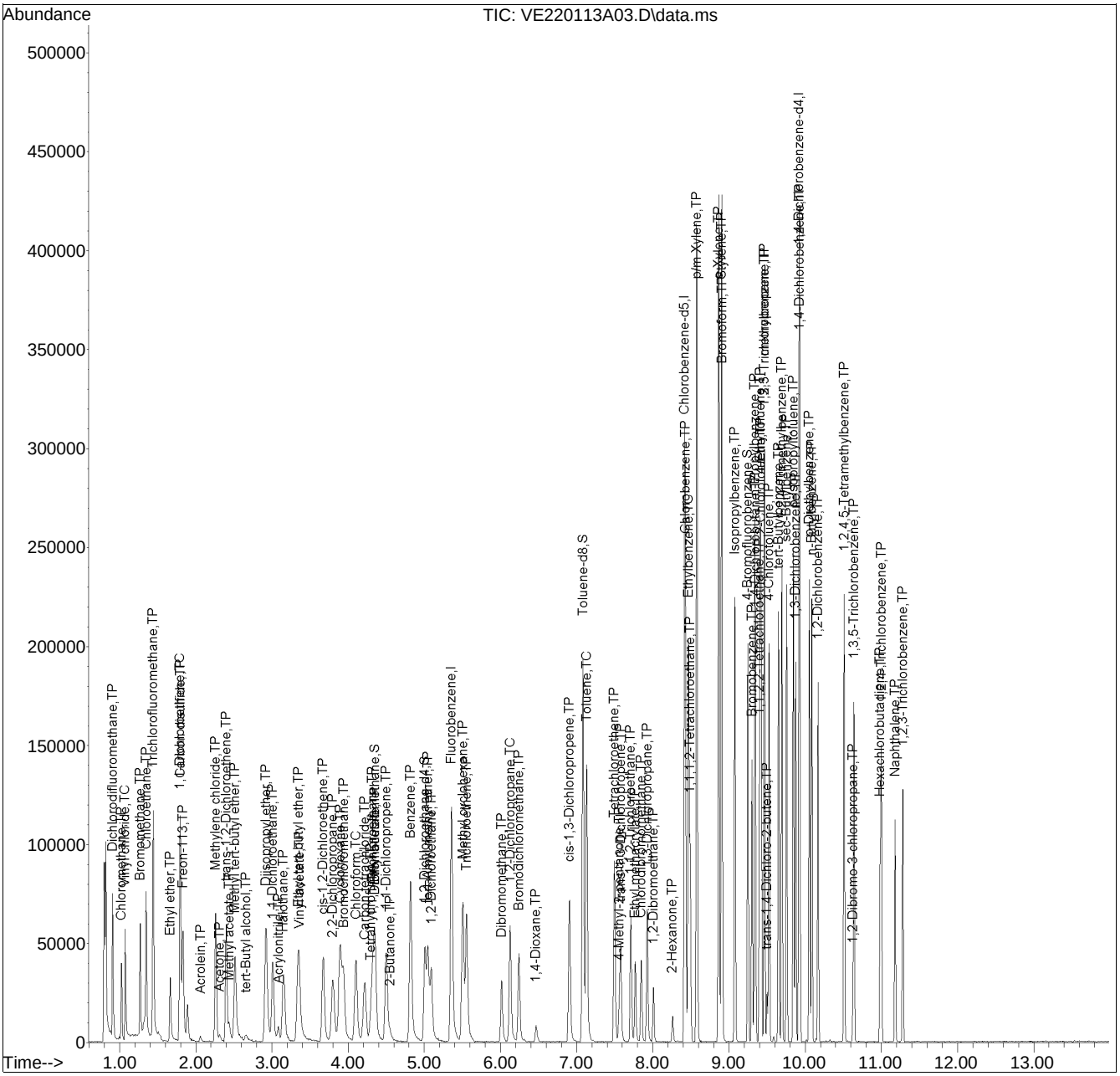
(#) = qualifier out of range (m) = manual integration (+) = signals summed

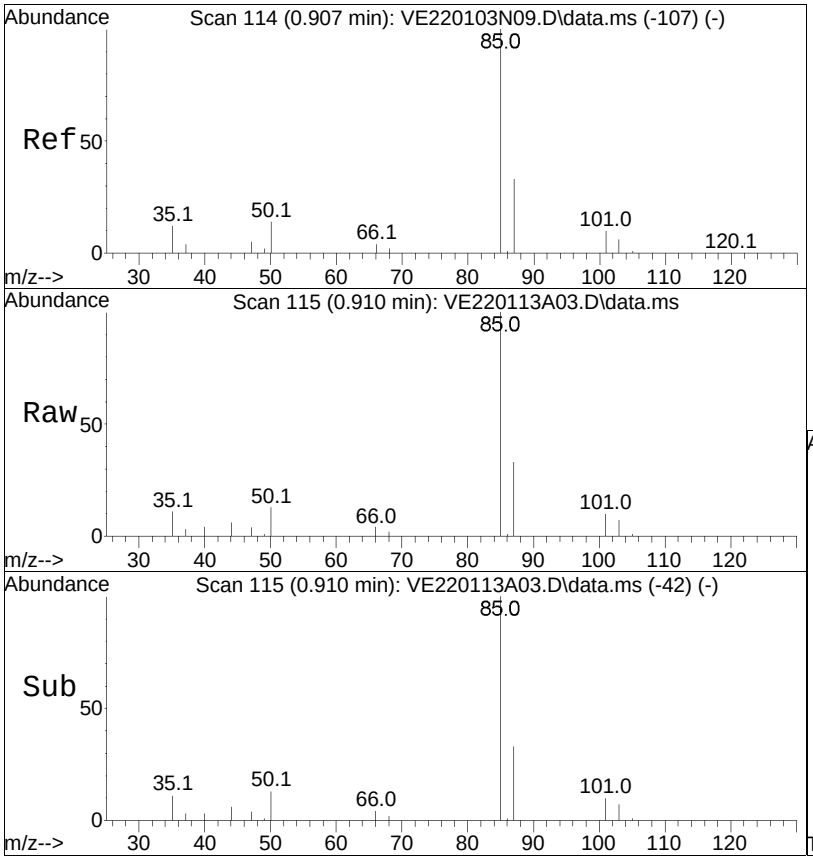
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A03.D
Acq On : 13 Jan 2022 11:17 am
Operator : ELAINE:PD
Sample : WG1594142-4,31,10,10
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 13 11:58:49 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

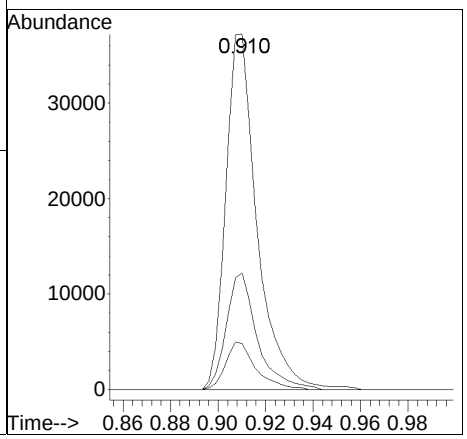


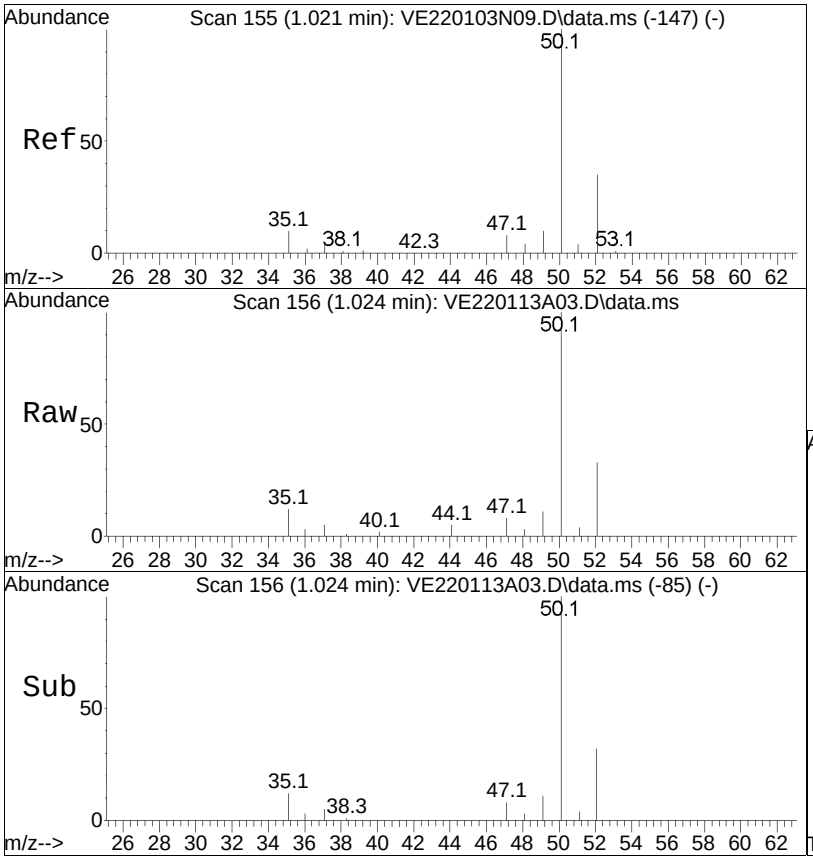


#2
Dichlorodifluoromethane
Concen: 11.43 ug/L
RT: 0.910 min Scan# 115
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 85 Resp: 34073

Ion	Ratio	Lower	Upper
85	100		
87	32.2	21.0	43.6
50	12.8	8.9	18.5

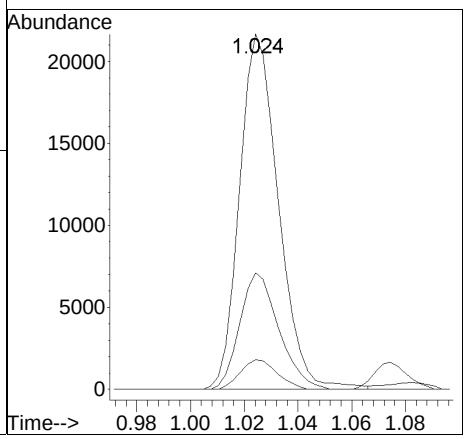


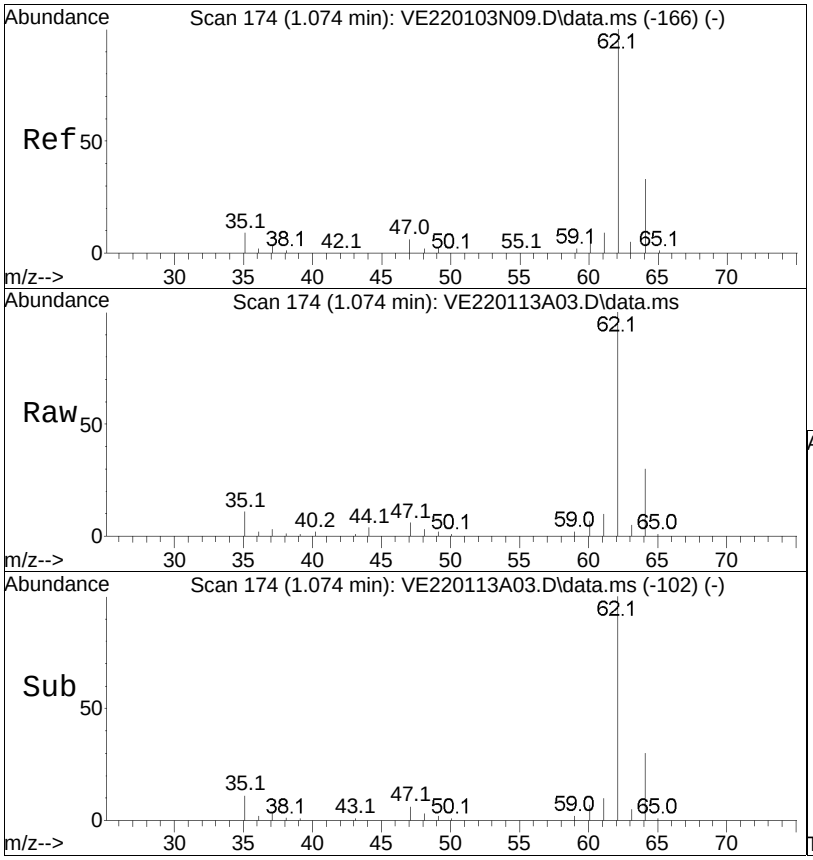


#3
Chloromethane
Concen: 9.71 ug/L
RT: 1.024 min Scan# 156
Delta R.T. -0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 50 Resp: 21795

Ion	Ratio	Lower	Upper
50	100		
52	32.9	12.9	52.9
47	7.9	0.0	28.3

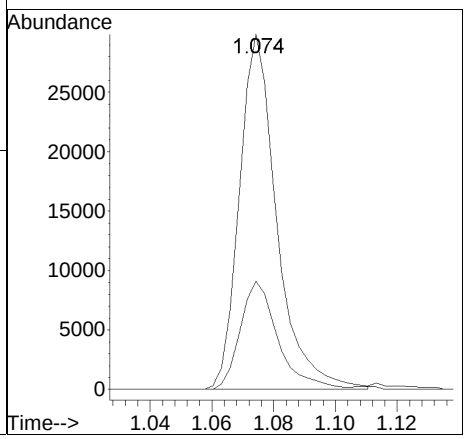


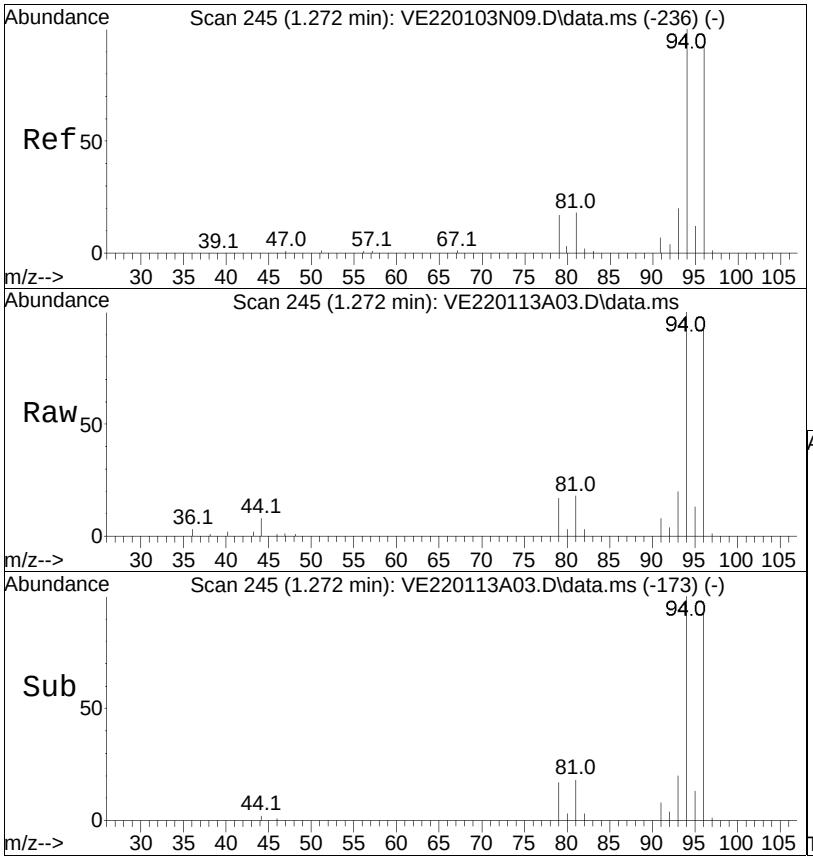


#4
Vinyl chloride
Concen: 9.97 ug/L
RT: 1.074 min Scan# 174
Delta R.T. 0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 62 Resp: 25134

Ion	Ratio	Lower	Upper
62	100		
64	30.8	9.1	49.1

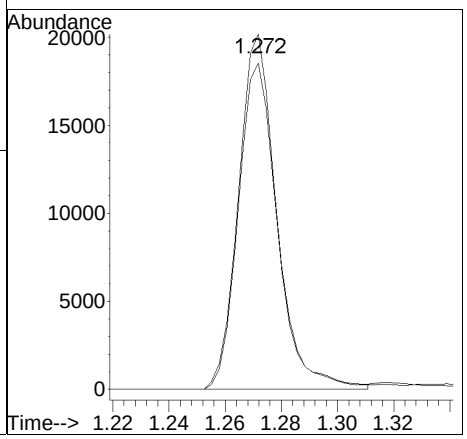


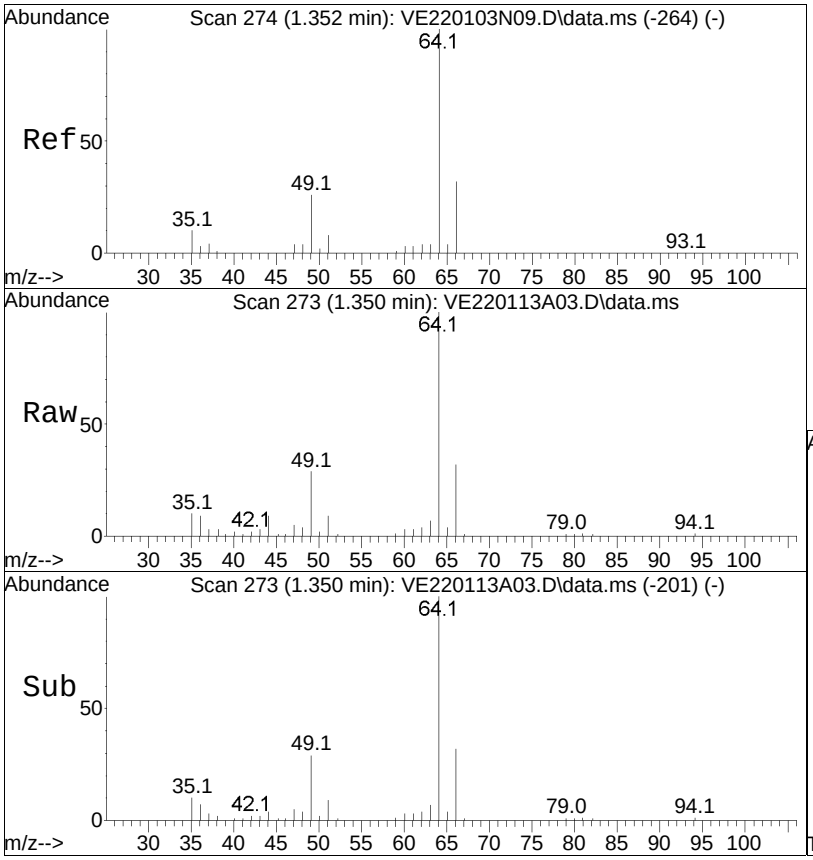


#5
Bromomethane
Concen: 13.27 ug/L
RT: 1.272 min Scan# 245
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 94 Resp: 19236

Ion	Ratio	Lower	Upper
94	100		
96	93.5	75.6	115.6

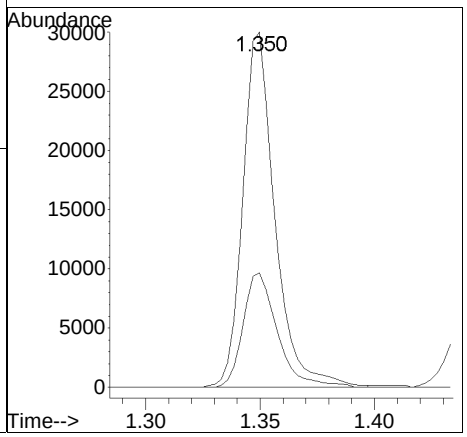


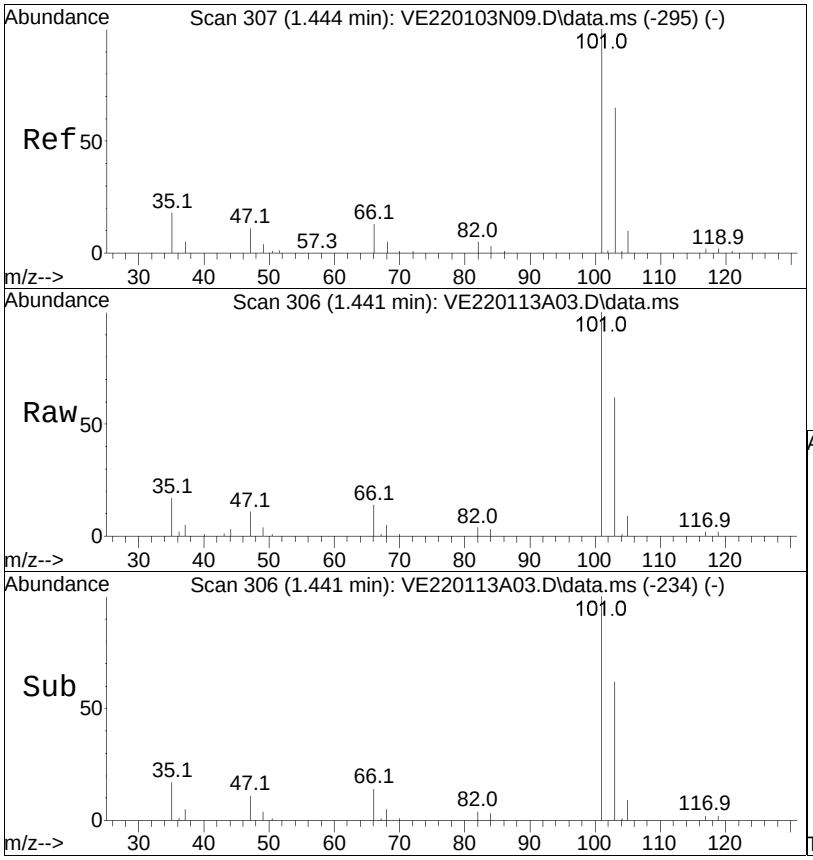


#6
Chloroethane
Concen: 17.23 ug/L
RT: 1.350 min Scan# 273
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 64 Resp: 29352

Ion	Ratio	Lower	Upper
64	100		
66	34.5	9.8	49.8

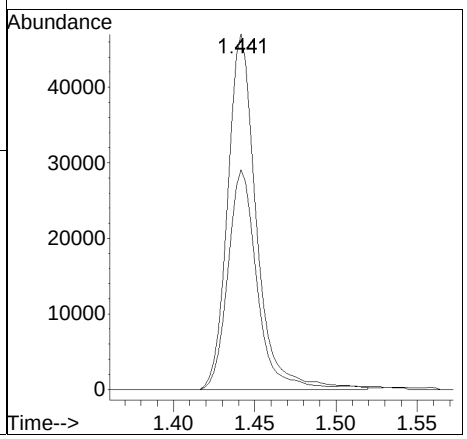


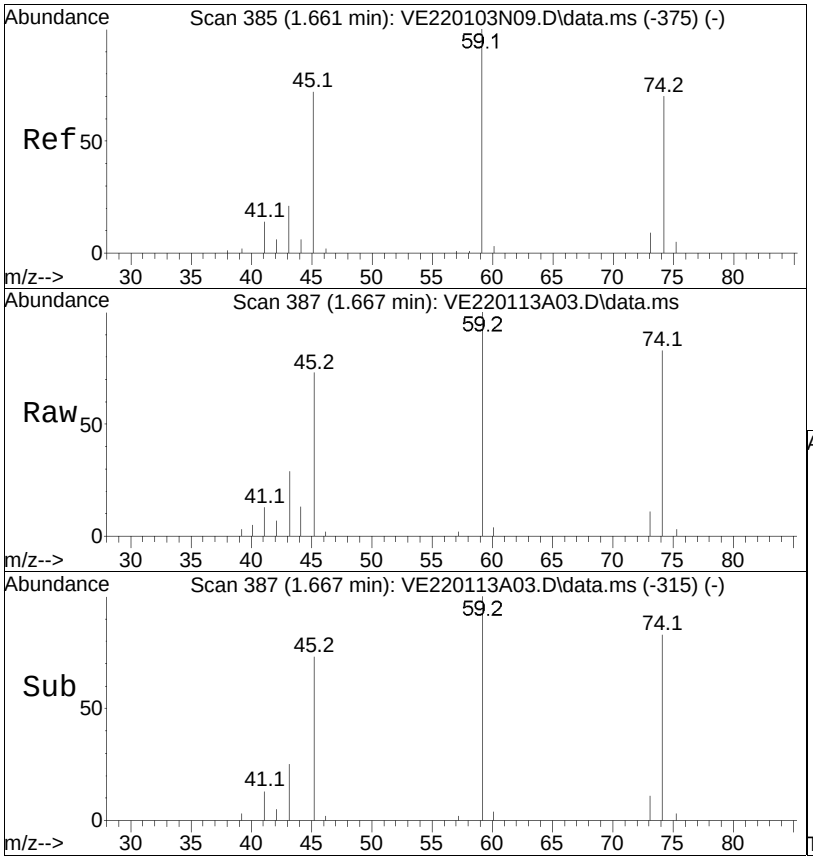


#7
Trichlorofluoromethane
Concen: 14.22 ug/L
RT: 1.441 min Scan# 306
Delta R.T. -0.001 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:101 Resp: 57995

Ion	Ratio	Lower	Upper
101	100		
103	62.3	53.8	80.6

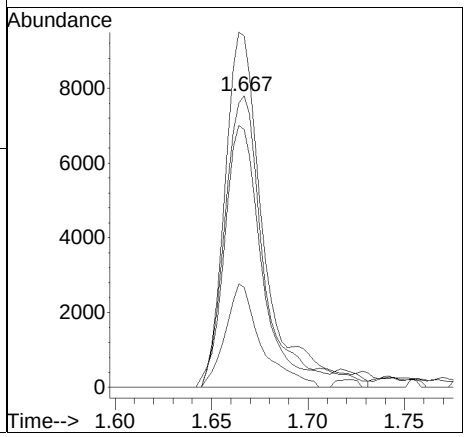


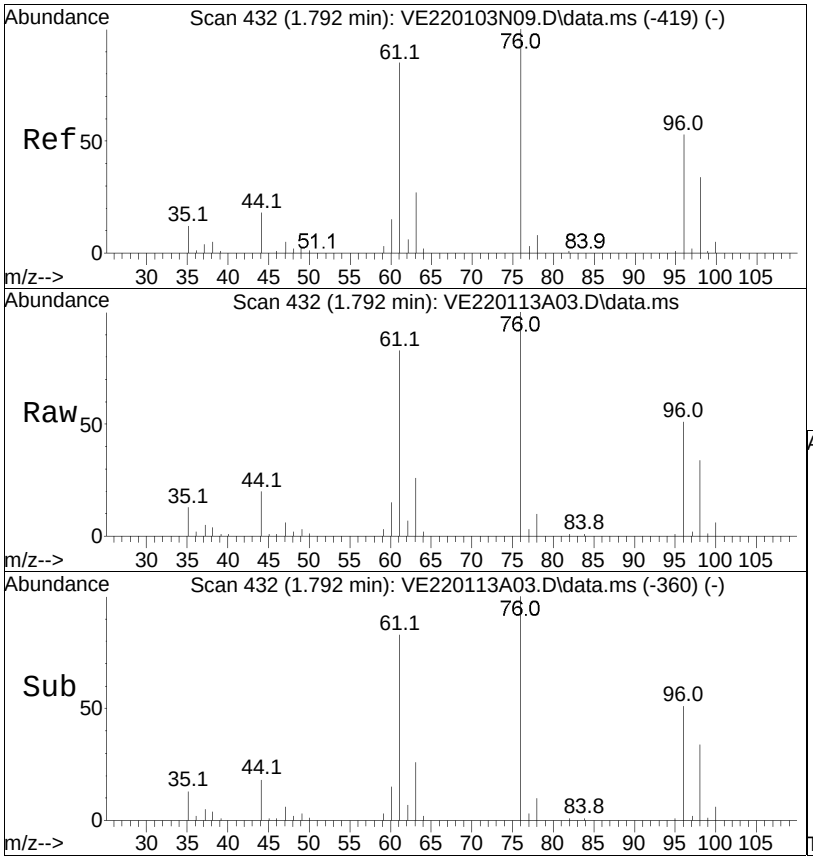


#8
Ethyl ether
Concen: 12.24 ug/L
RT: 1.667 min Scan# 387
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 74 Resp: 11178

Ion	Ratio	Lower	Upper
74	100		
59	119.3	122.2	253.8#
45	85.8	91.9	190.9#
43	32.2	25.2	52.2

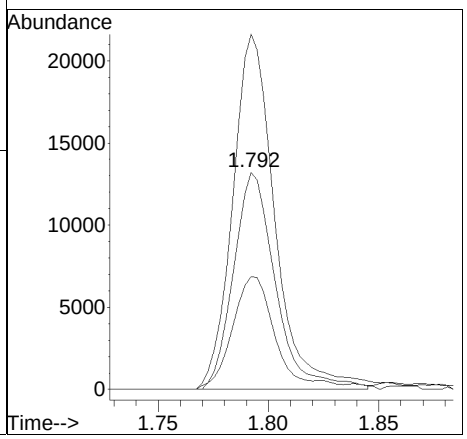


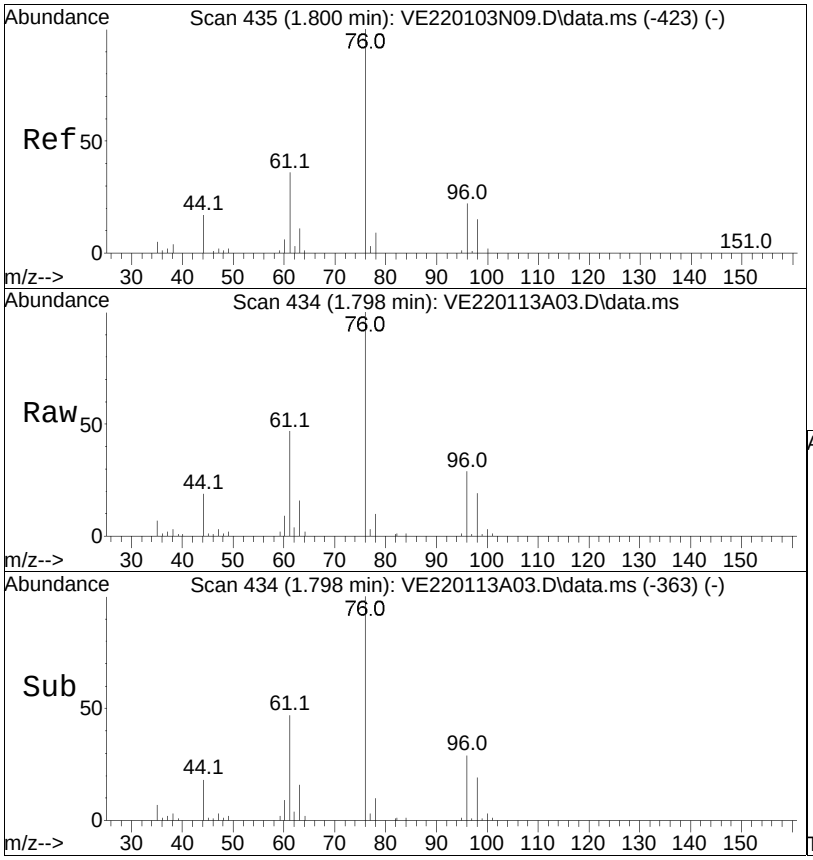


#10
1,1-Dichloroethene
Concen: 9.52 ug/L
RT: 1.792 min Scan# 432
Delta R.T. 0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 96 Resp: 17535

Ion	Ratio	Lower	Upper
96	100		
61	167.0	186.1	279.1#
63	53.1	57.6	86.4#

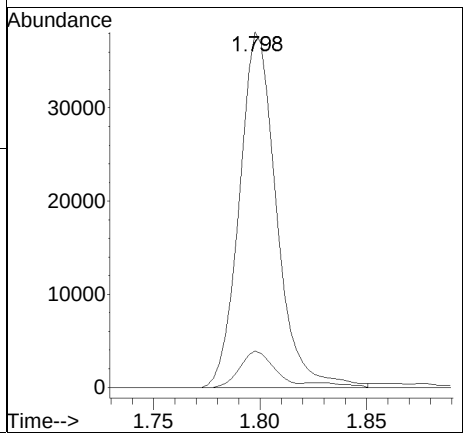


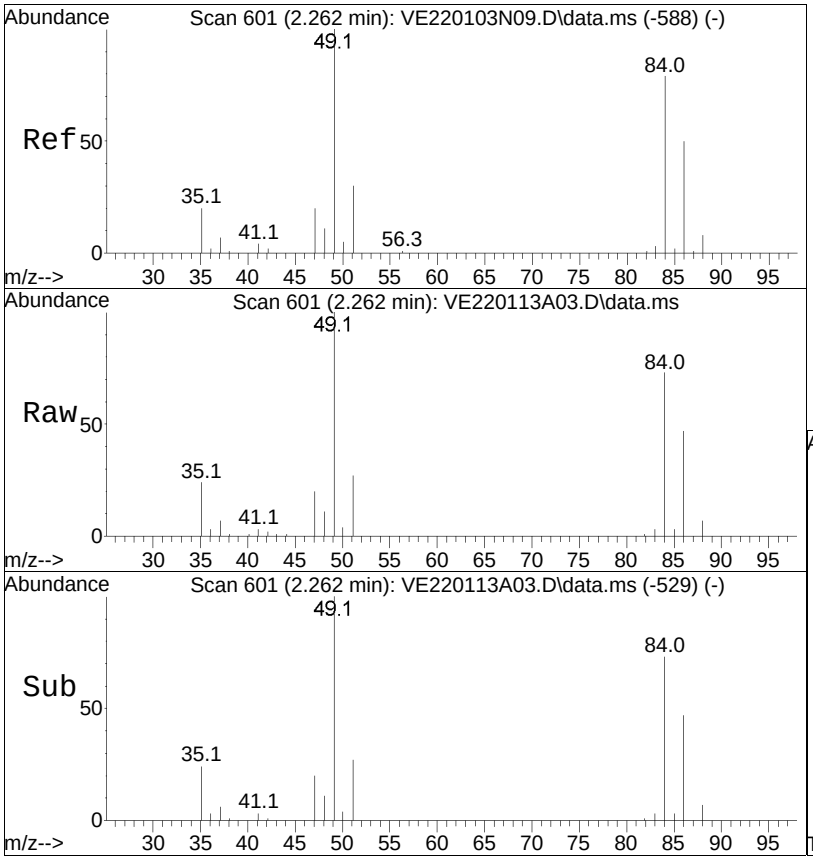


#11
Carbon disulfide
Concen: 9.90 ug/L
RT: 1.798 min Scan# 434
Delta R.T. -0.002 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 76 Resp: 46166

Ion	Ratio	Lower	Upper
76	100		
78	9.5	5.7	11.7

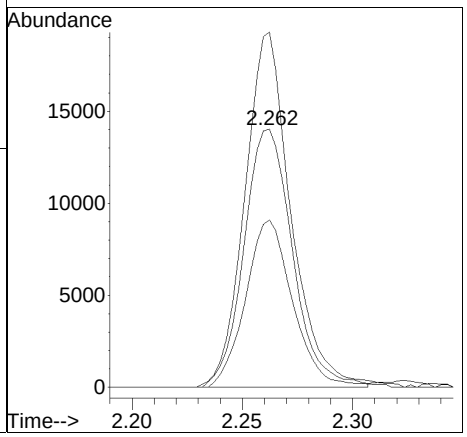


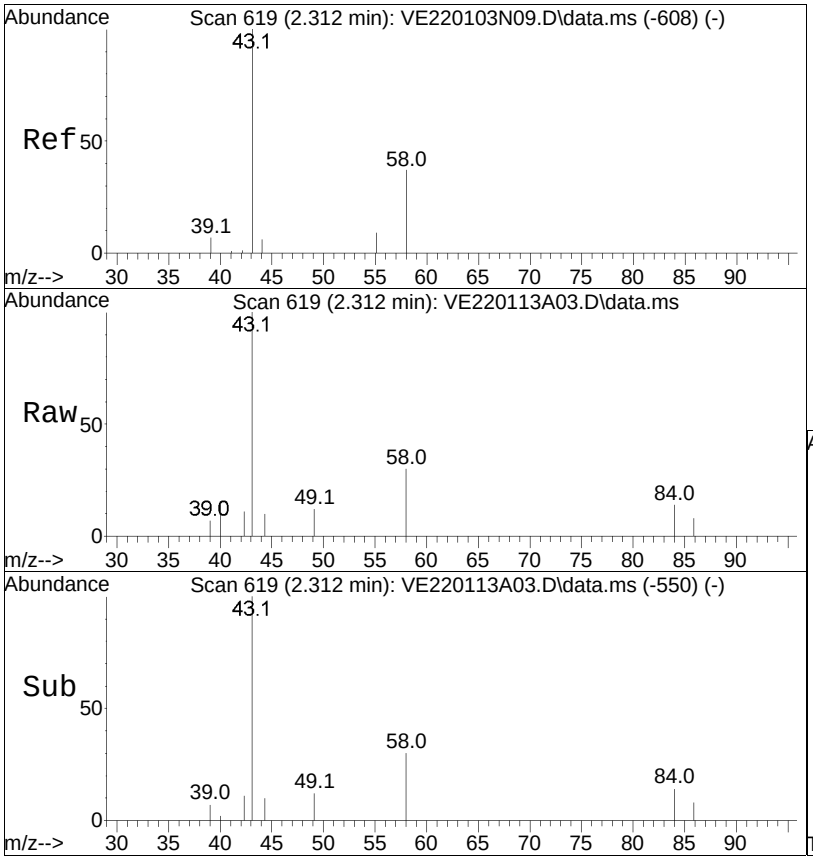


#15
Methylene chloride
Concen: 10.53 ug/L
RT: 2.262 min Scan# 601
Delta R.T. 0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 84 Resp: 21517

Ion	Ratio	Lower	Upper
84	100		
86	63.2	40.4	83.8
49	131.4	120.0	249.2

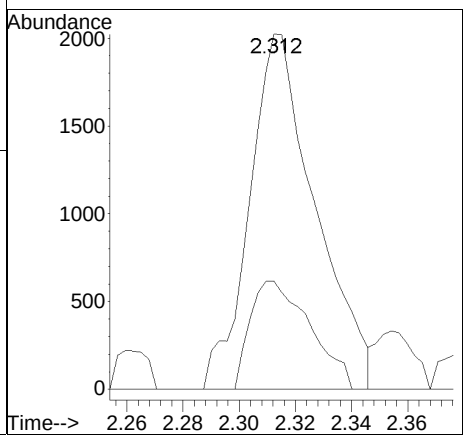


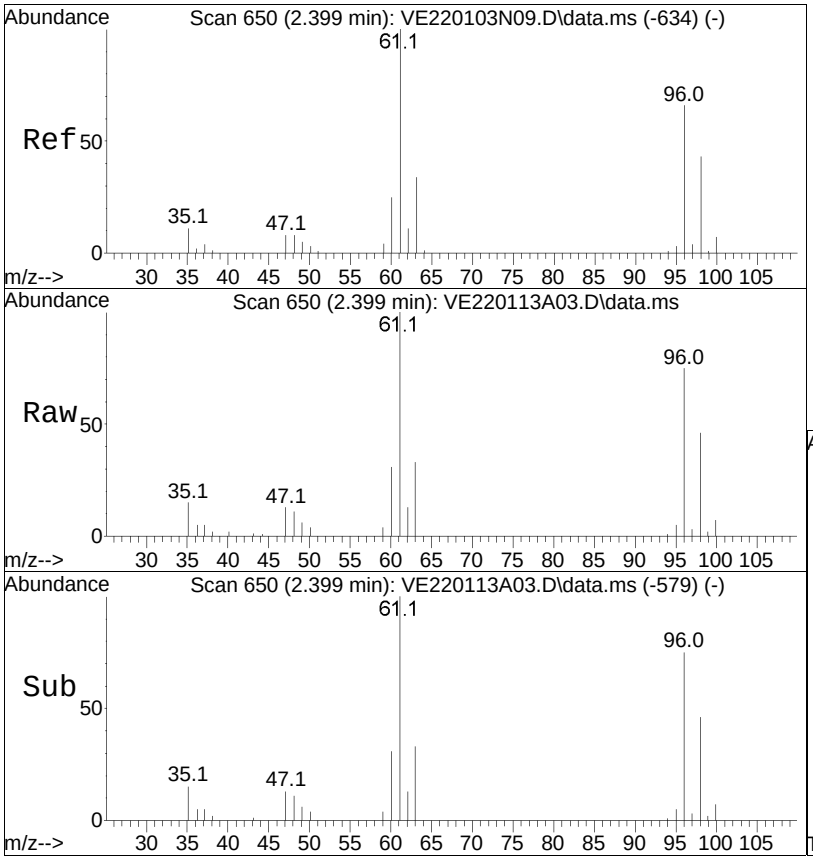


#17
Acetone
Concen: 11.84 ug/L
RT: 2.312 min Scan# 619
Delta R.T. -0.009 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 43 Resp: 3300

Ion	Ratio	Lower	Upper
43	100		
58	27.8	24.2	36.4

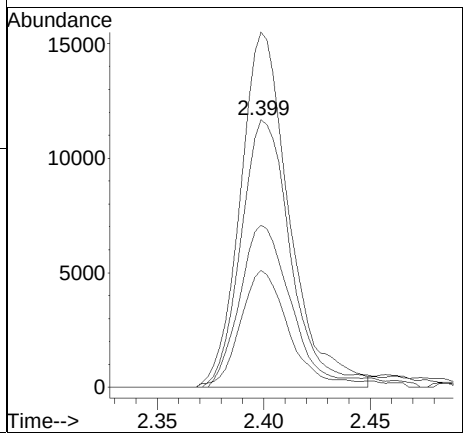


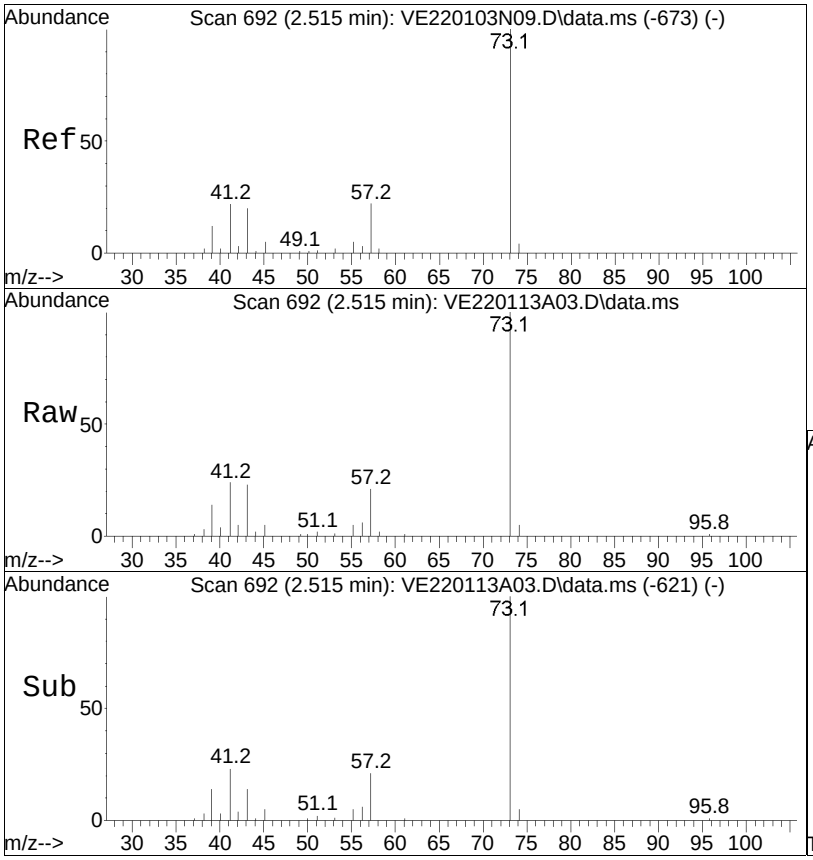


#18
trans-1,2-Dichloroethene
Concen: 9.57 ug/L
RT: 2.399 min Scan# 650
Delta R.T. -0.002 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 96 Resp: 19096

Ion	Ratio	Lower	Upper
96	100		
61	131.3	124.0	257.6
98	61.2	41.2	85.6
63	42.6	38.4	79.7

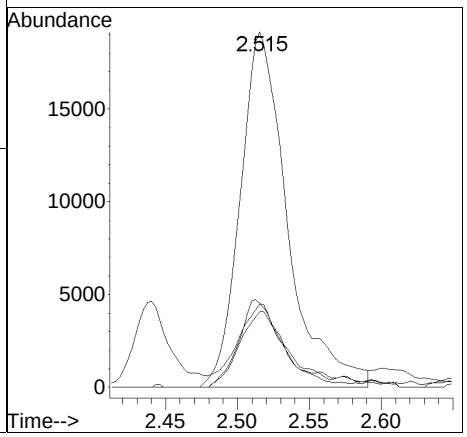


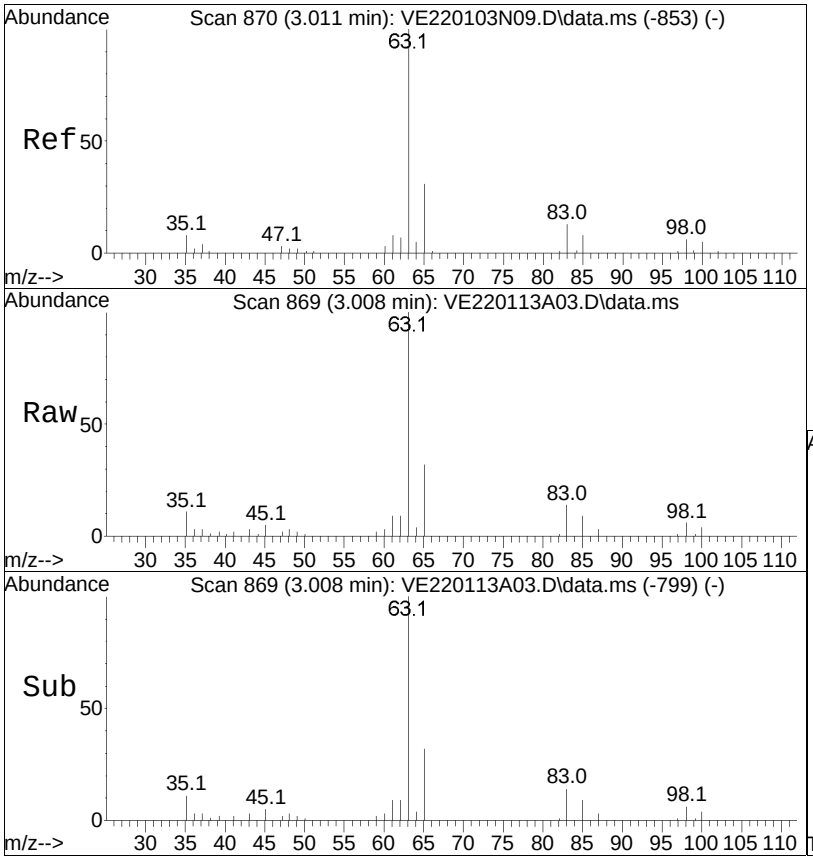


#20
Methyl tert-butyl ether
Concen: 10.40 ug/L
RT: 2.515 min Scan# 692
Delta R.T. -0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 73 Resp: 43926

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.5	36.3
43	19.1	15.3	31.9
41	23.6	15.3	31.7

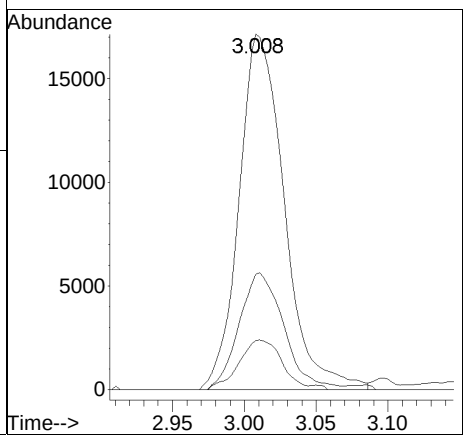


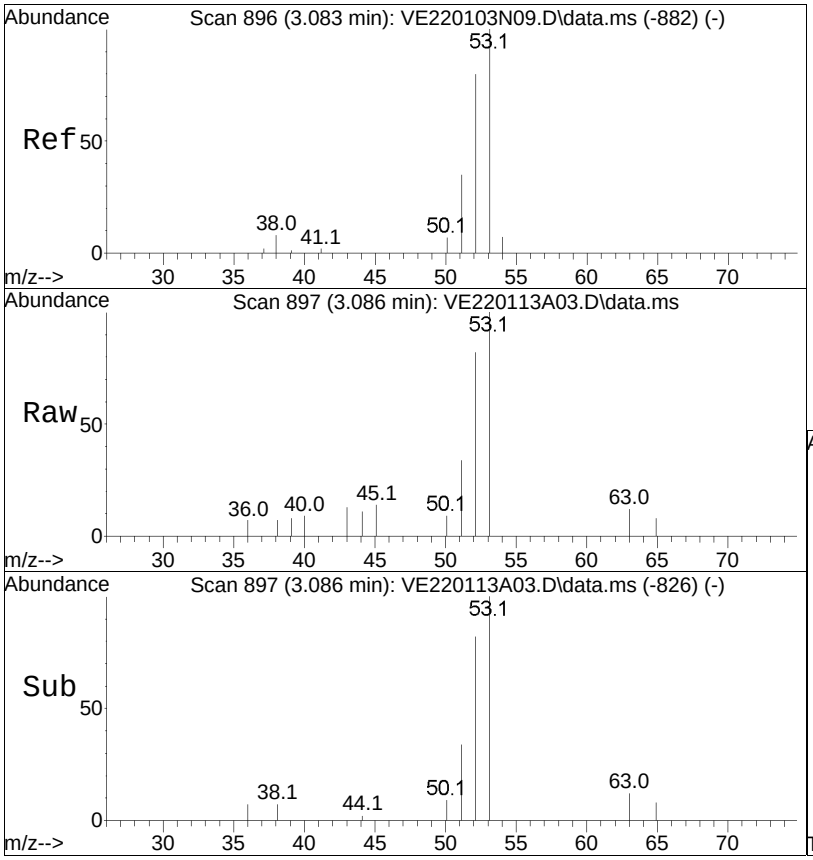


#23
1,1-Dichloroethane
Concen: 10.06 ug/L
RT: 3.008 min Scan# 869
Delta R.T. -0.006 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 63 Resp: 37550

Ion	Ratio	Lower	Upper
63	100		
65	32.4	11.0	51.0
83	13.0	0.0	31.8

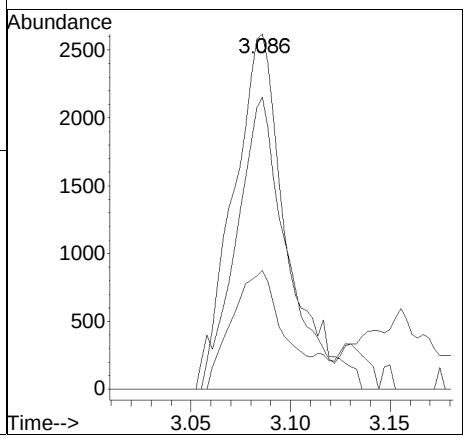


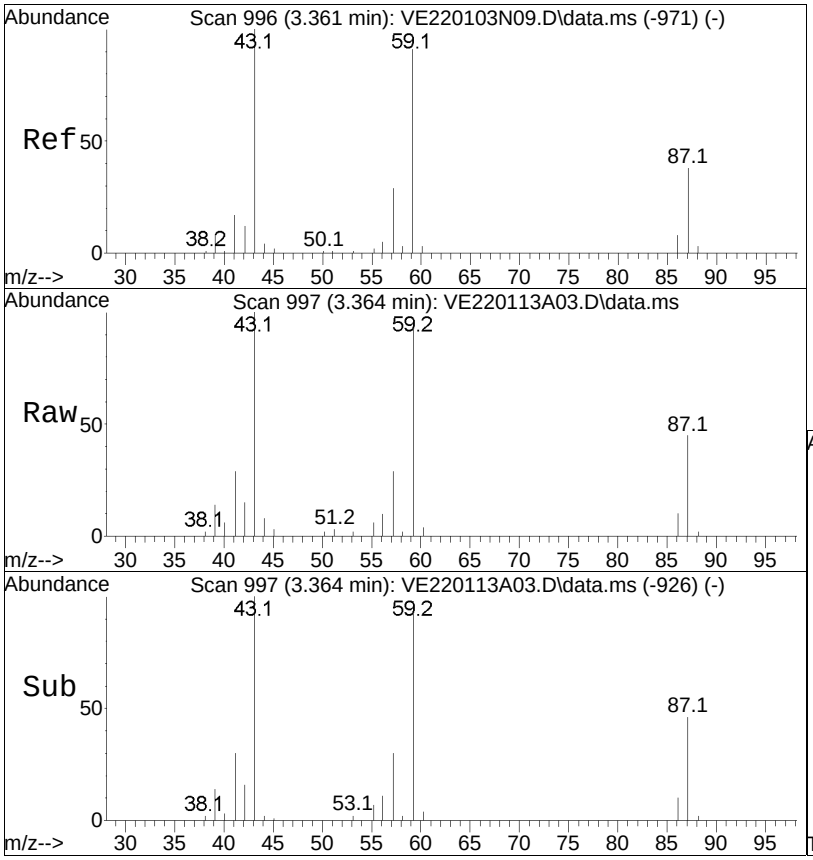


#25
Acrylonitrile
Concen: 11.46 ug/L
RT: 3.086 min Scan# 897
Delta R.T. -0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 53 Resp: 4834

Ion	Ratio	Lower	Upper
53	100		
52	78.7	66.7	100.1
51	32.8	30.6	46.0

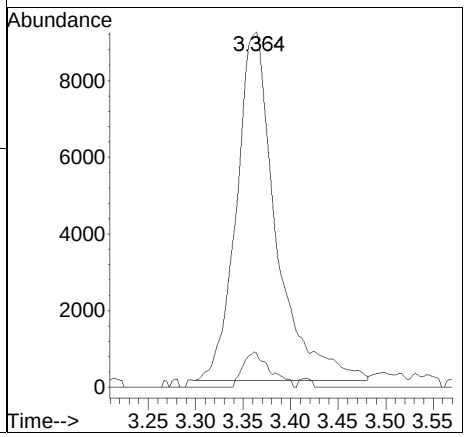


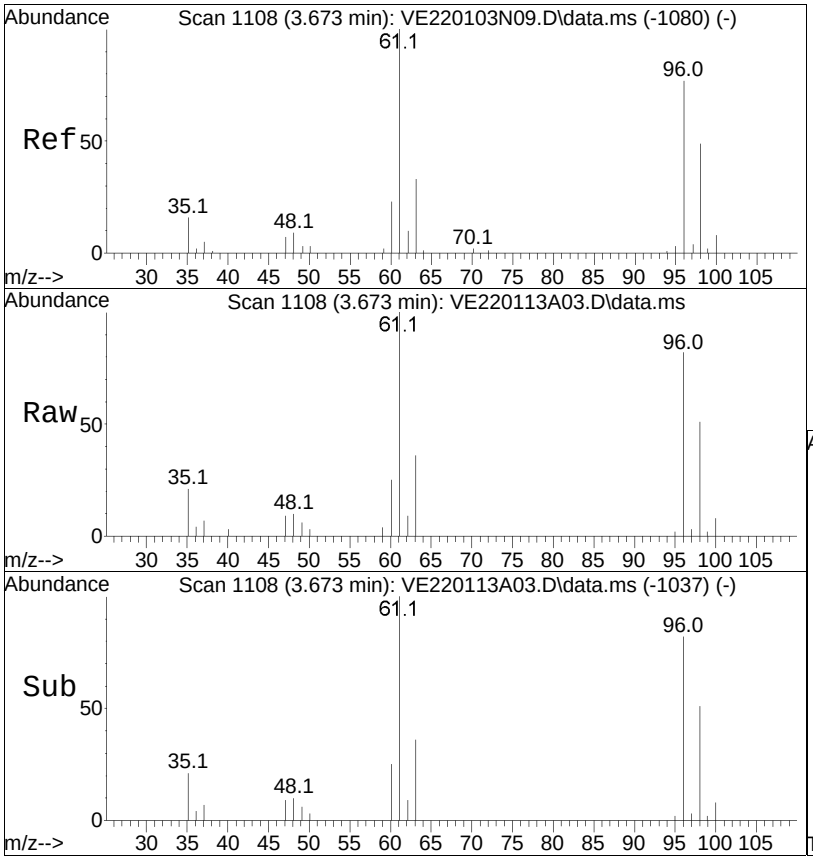


#27
Vinyl acetate
Concen: 7.66 ug/L
RT: 3.364 min Scan# 997
Delta R.T. -0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 43 Resp: 26277

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.2	7.8

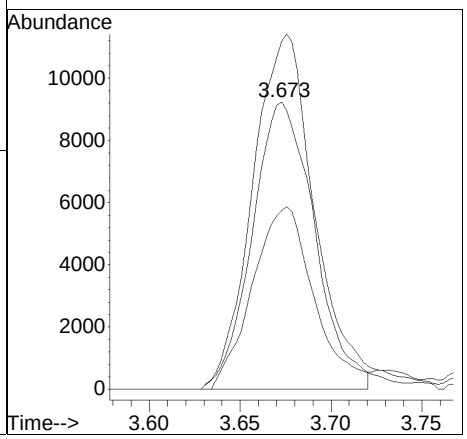


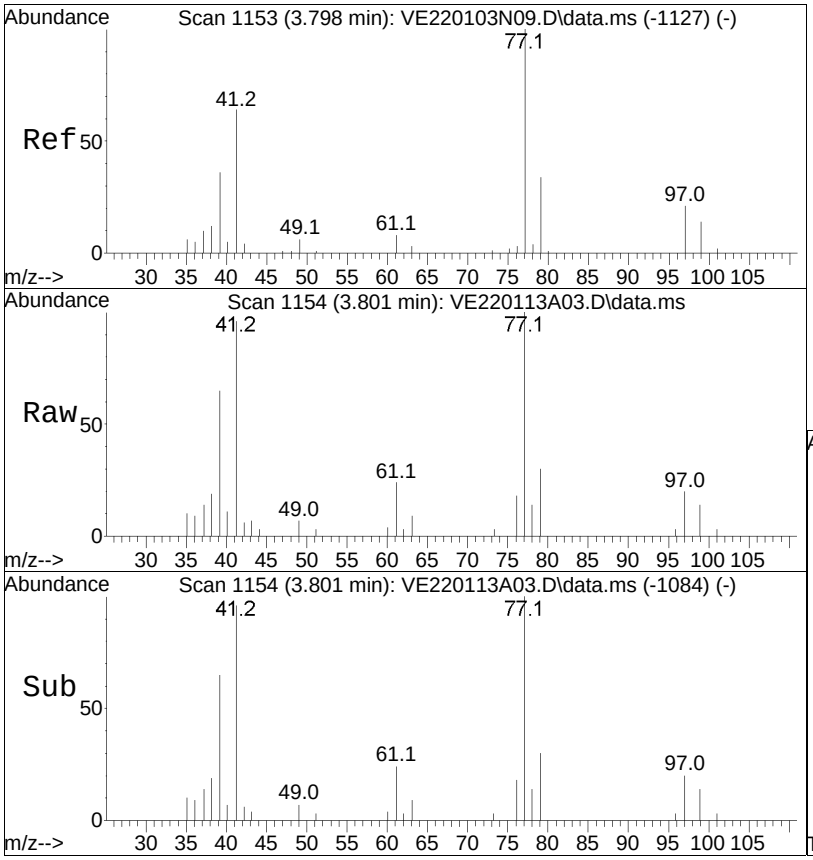


#28
cis-1,2-Dichloroethene
Concen: 9.93 ug/L
RT: 3.673 min Scan# 1108
Delta R.T. -0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 96 Resp: 22005

Ion	Ratio	Lower	Upper
96	100		
61	127.0	149.4	224.2#
98	65.1	53.4	80.2

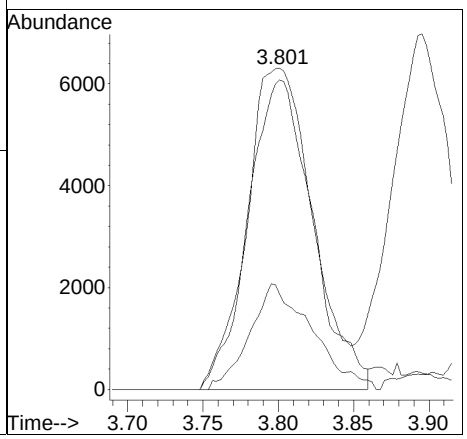


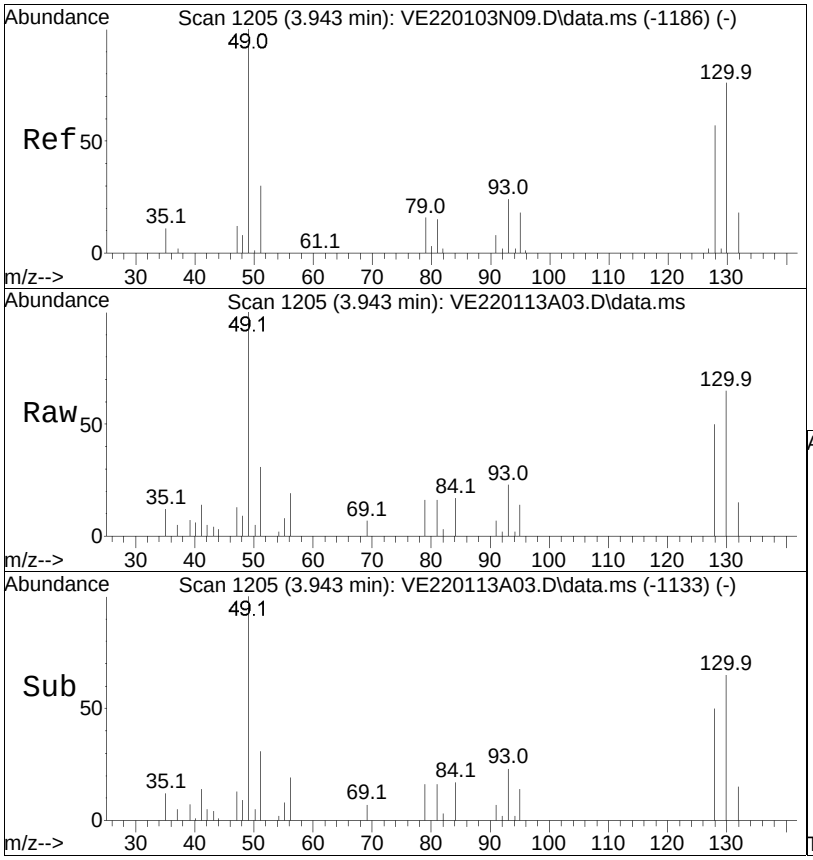


#29
2,2-Dichloropropane
Concen: 5.96 ug/L
RT: 3.801 min Scan# 1154
Delta R.T. -0.005 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 77 Resp: 19299

Ion	Ratio	Lower	Upper
77	100		
41	91.7	38.0	78.8#
79	30.8	20.5	42.5

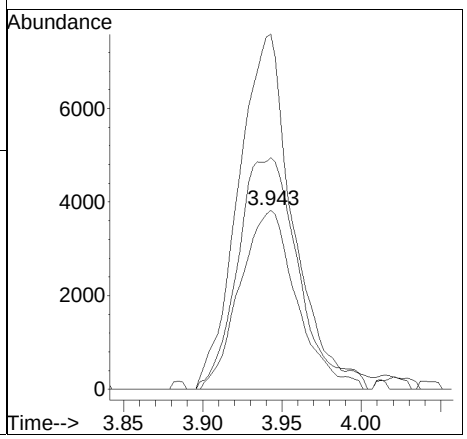


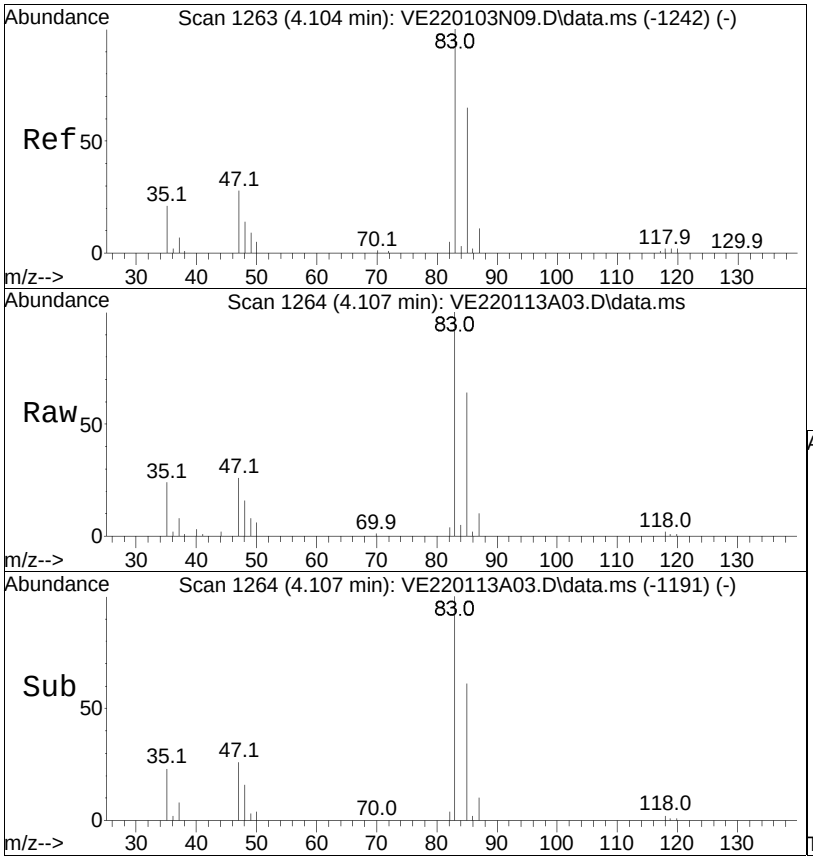


#30
Bromochloromethane
Concen: 10.17 ug/L
RT: 3.943 min Scan# 1205
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:128 Resp: 9574

Ion	Ratio	Lower	Upper
128	100		
49	191.5	223.0	334.4#
130	138.0	111.4	167.0

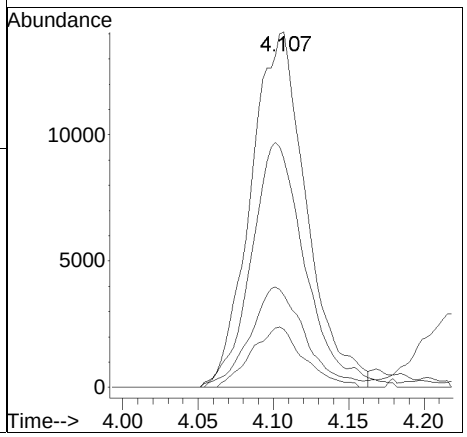


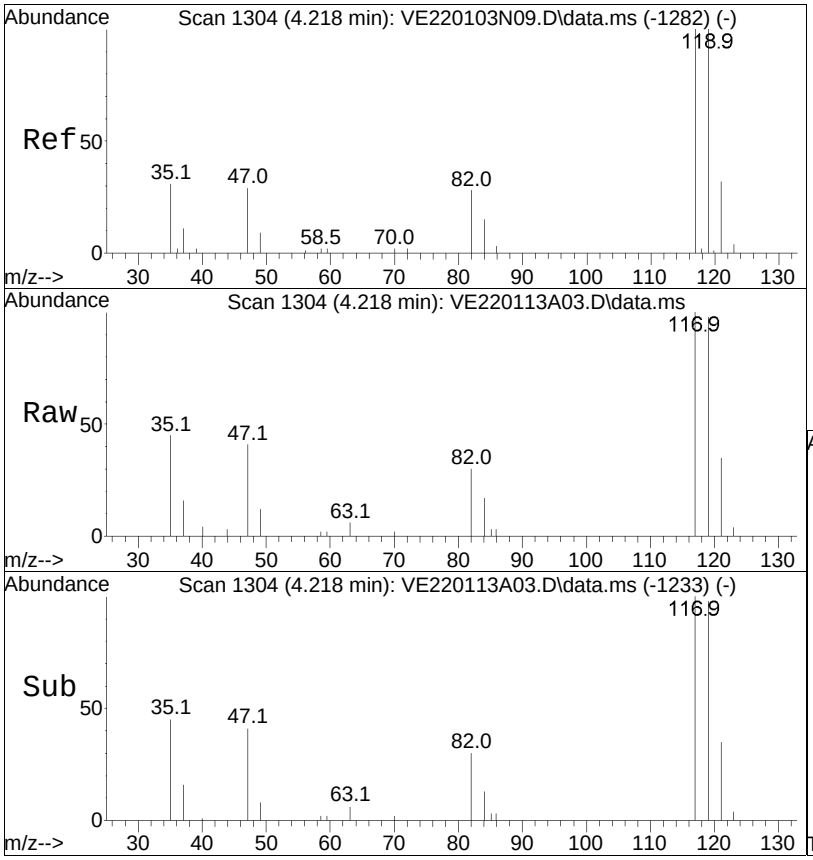


#32
Chloroform
Concen: 10.01 ug/L
RT: 4.107 min Scan# 1264
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 83 Resp: 36298

Ion	Ratio	Lower	Upper
83	100		
85	67.0	41.5	86.1
47	28.0	19.0	39.4
48	16.1	9.9	20.5

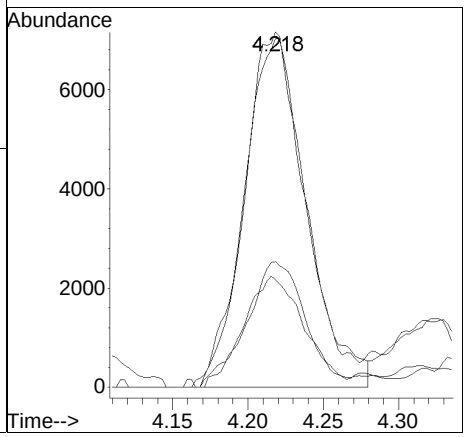


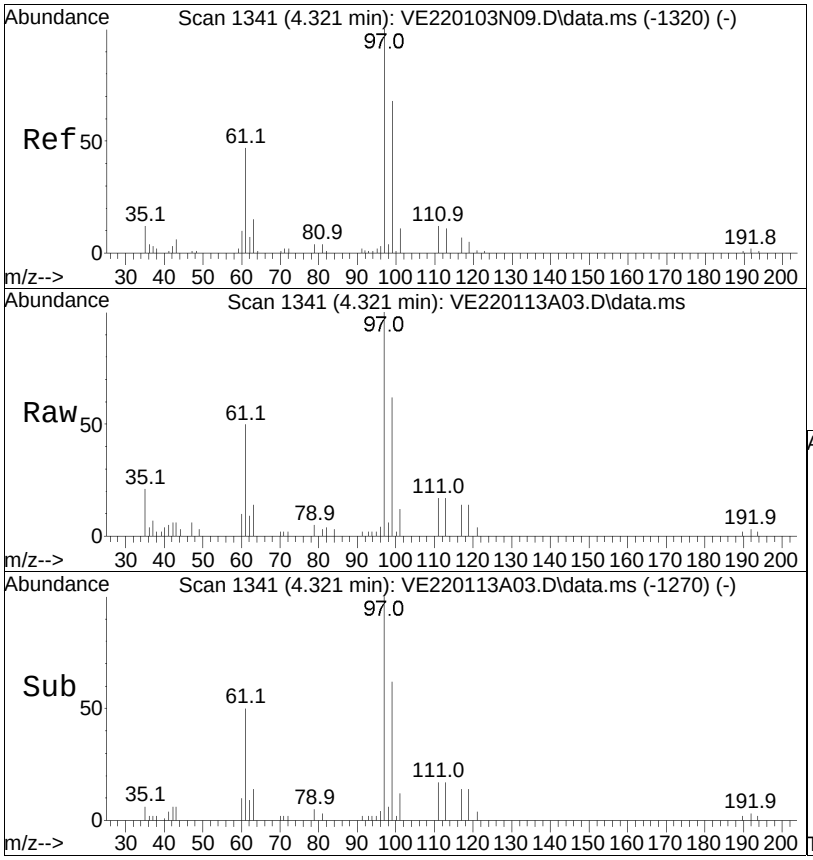


#34
Carbon tetrachloride
Concen: 7.74 ug/L
RT: 4.218 min Scan# 1304
Delta R.T. -0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:117 Resp: 20491

Ion	Ratio	Lower	Upper
117	100		
119	96.8	62.4	129.6
121	33.3	19.5	40.5
82	31.0	17.0	35.4

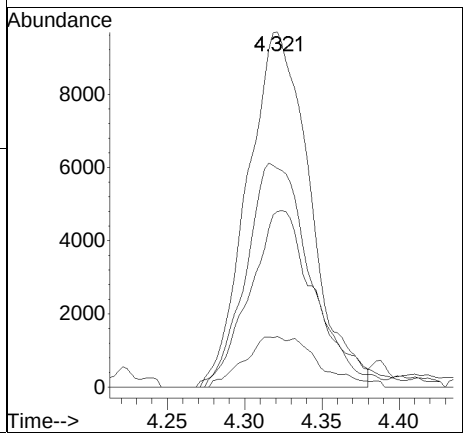


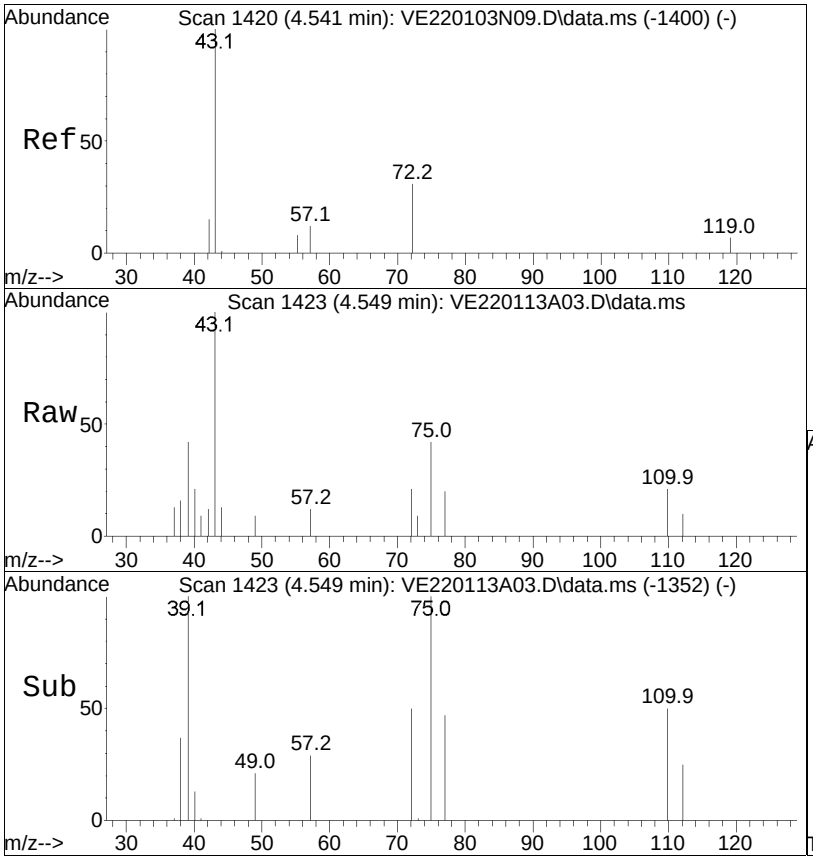


#37
1,1,1-Trichloroethane
Concen: 8.70 ug/L
RT: 4.321 min Scan# 1341
Delta R.T. -0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 97 Resp: 27312

Ion	Ratio	Lower	Upper
97	100		
99	65.0	40.7	84.5
61	53.9	35.4	73.4
63	9.4	5.0	10.4

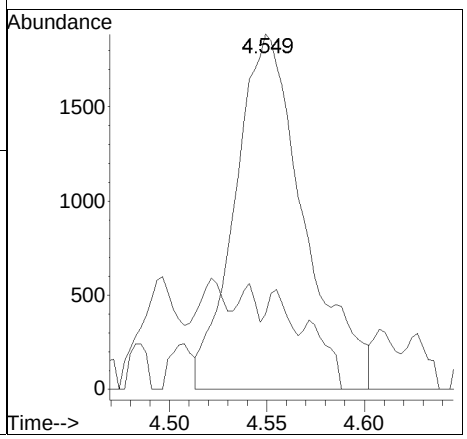


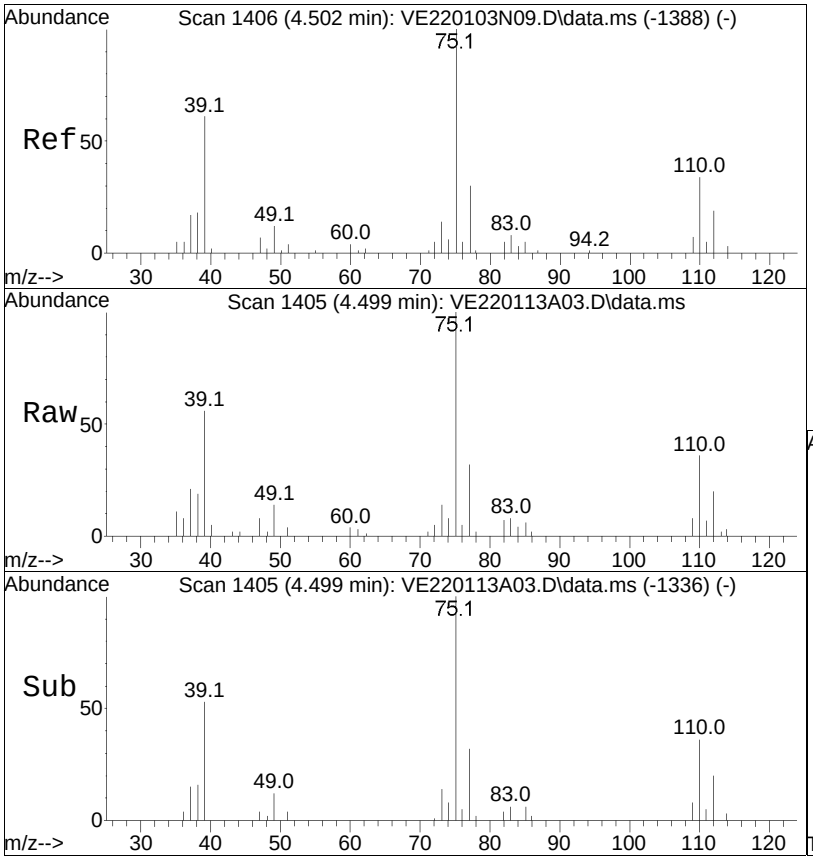


#39
2-Butanone
Concen: 11.13 ug/L M1
RT: 4.549 min Scan# 1423
Delta R.T. -0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 43 Resp: 4661

Ion	Ratio	Lower	Upper
43	100		
72	3.4	10.9	16.3#

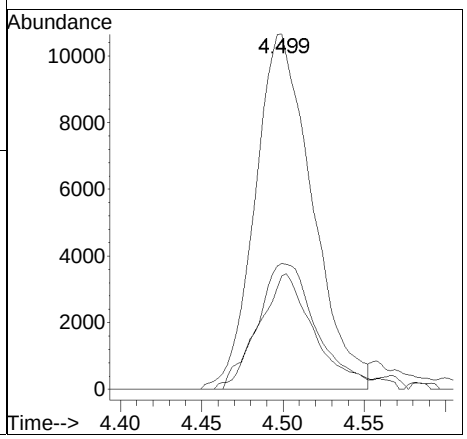


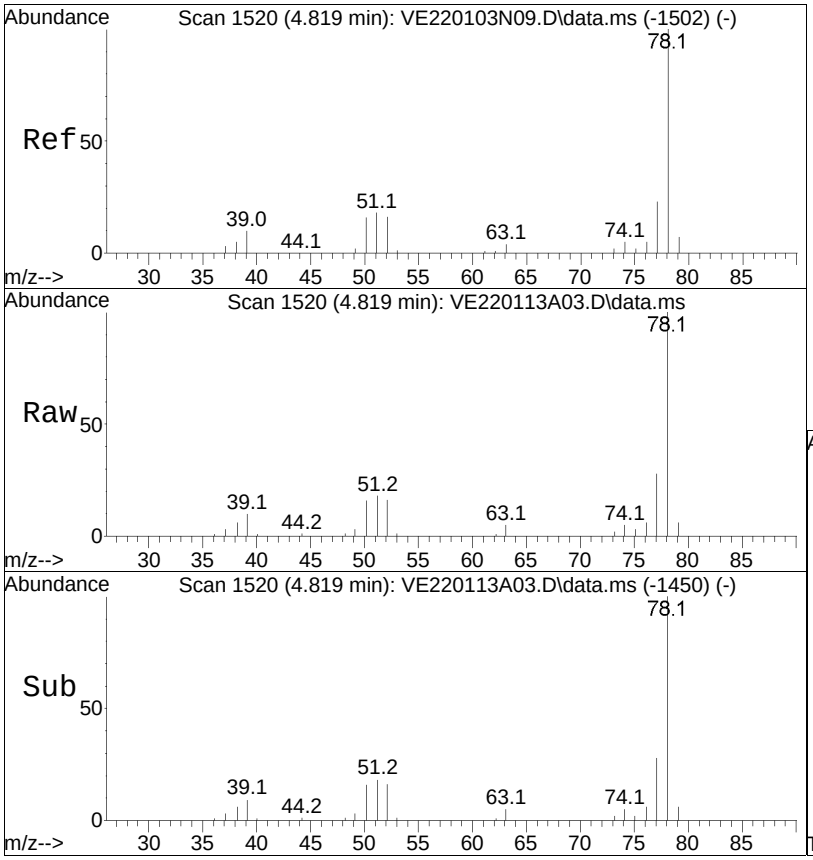


#40
1,1-Dichloropropene
Concen: 9.75 ug/L
RT: 4.499 min Scan# 1405
Delta R.T. -0.009 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 75 Resp: 26053

Ion	Ratio	Lower	Upper
75	100		
110	36.8	20.2	41.9
77	31.8	20.1	41.7

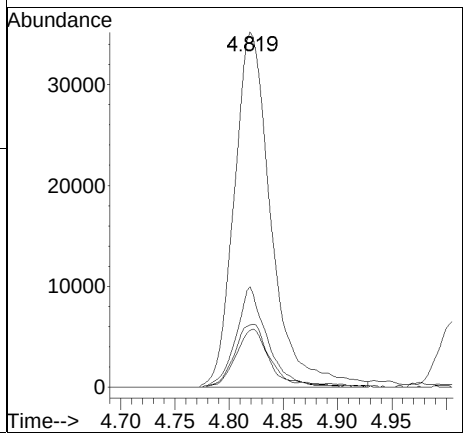


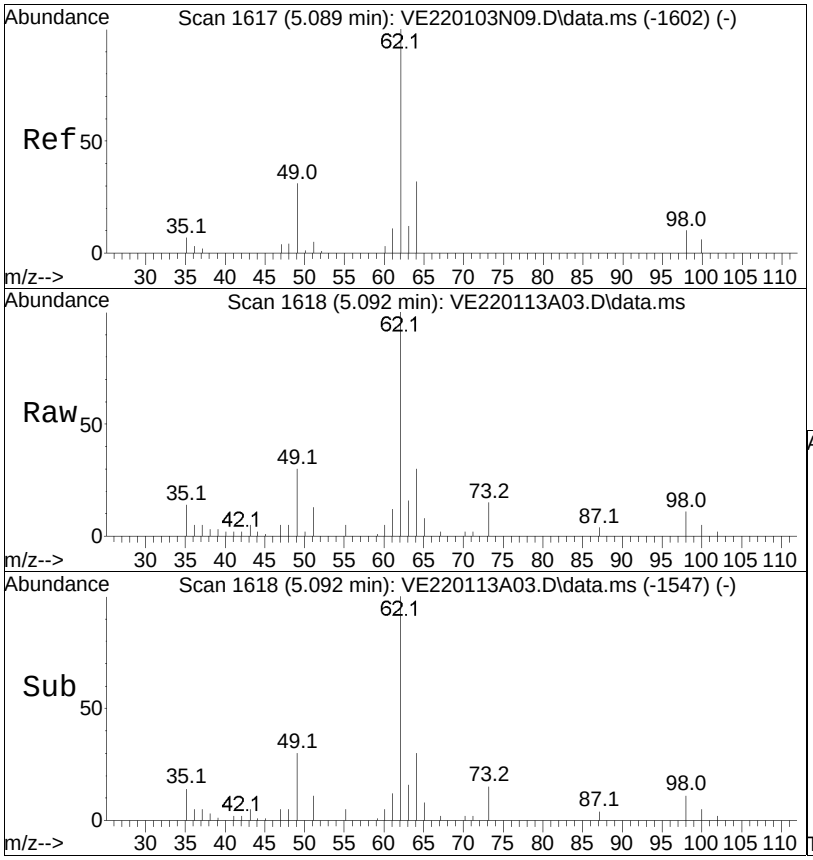


#41
Benzene
Concen: 10.21 ug/L
RT: 4.819 min Scan# 1520
Delta R.T. -0.006 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 78 Resp: 83774

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.7	32.7
51	16.3	16.0	33.2
52	15.2	15.3	31.9#

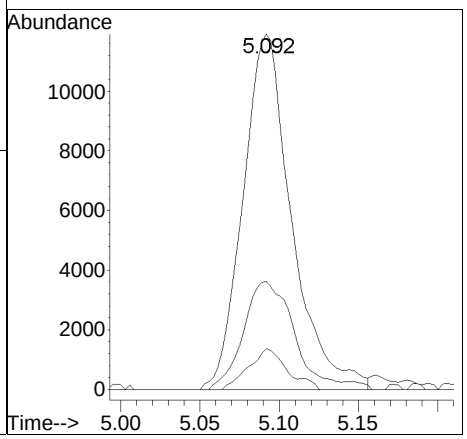


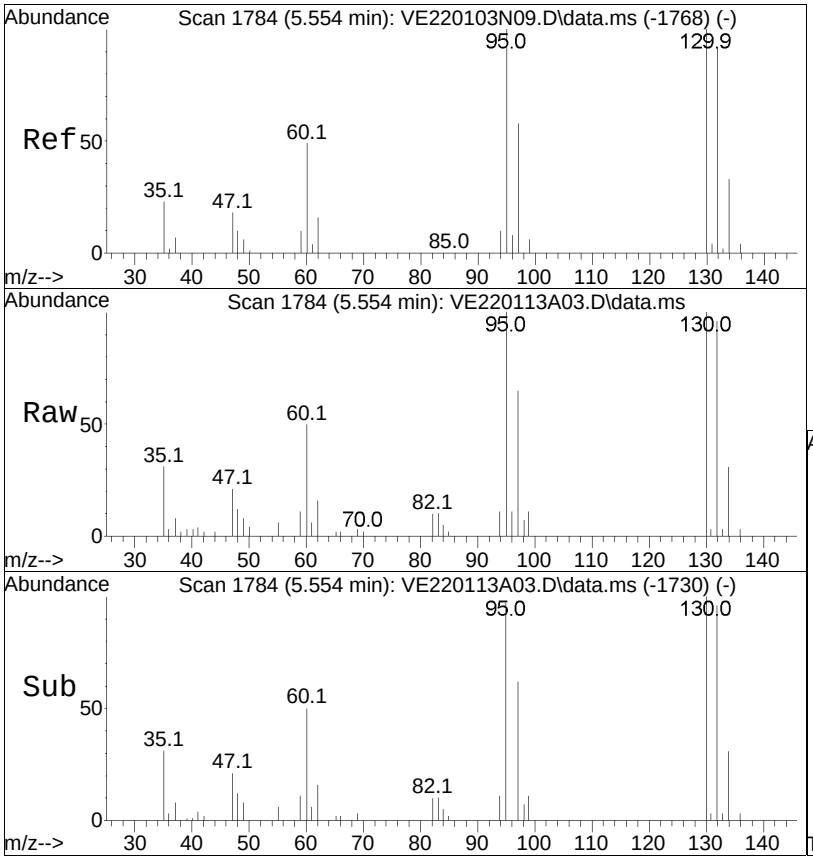


#44
1,2-Dichloroethane
Concen: 10.98 ug/L
RT: 5.092 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 62 Resp: 25427

Ion	Ratio	Lower	Upper
62	100		
64	31.2	11.2	51.2
98	9.1	0.0	26.1

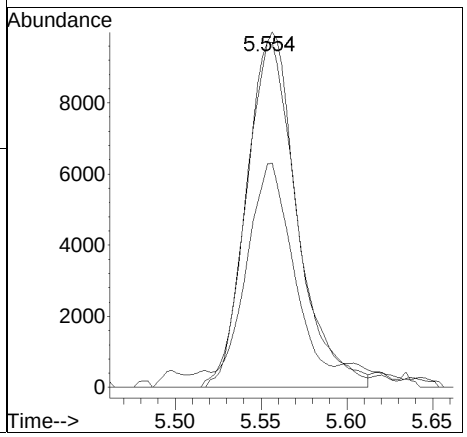


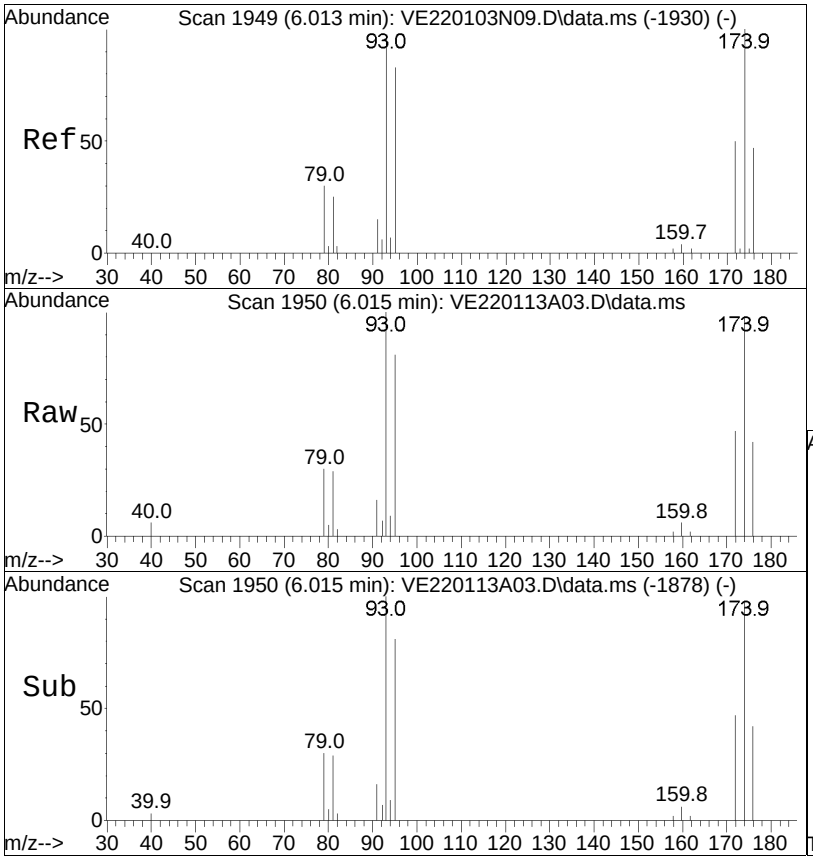


#48
Trichloroethene
Concen: 9.68 ug/L
RT: 5.554 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 95 Resp: 20244

Ion	Ratio	Lower	Upper
95	100		
97	53.3	55.5	83.3#
130	103.6	76.6	115.0

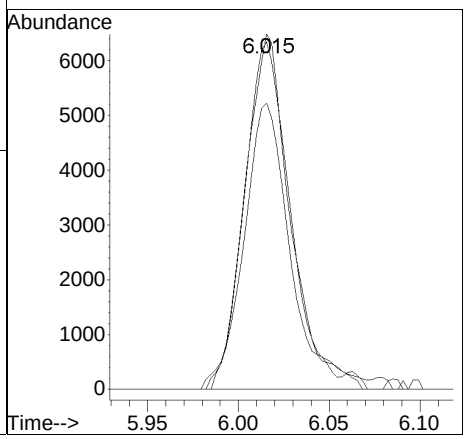


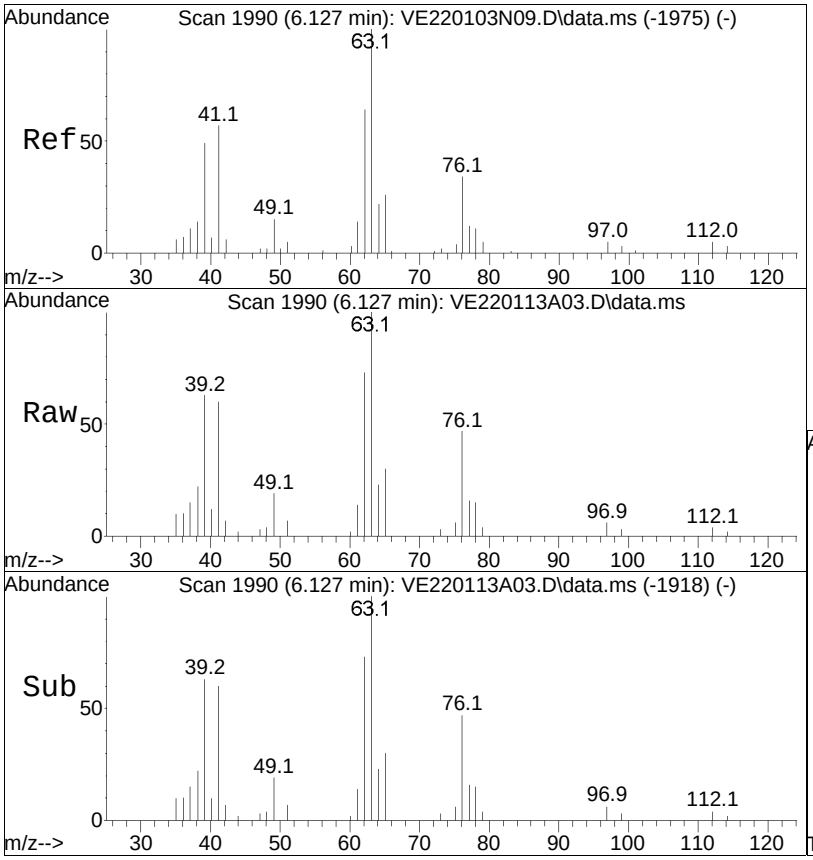


#50
Dibromomethane
Concen: 10.96 ug/L
RT: 6.015 min Scan# 1950
Delta R.T. -0.001 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 93 Resp: 11344

Ion	Ratio	Lower	Upper
93	100		
95	79.2	67.0	100.4
174	100.5	75.0	112.4

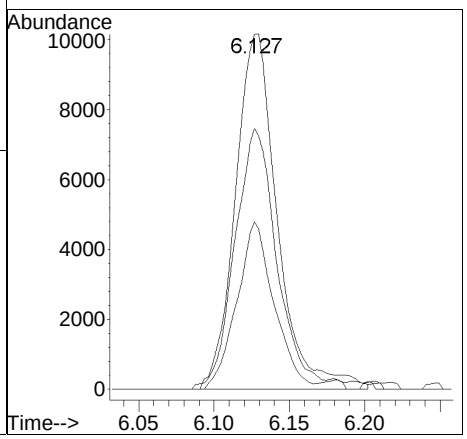


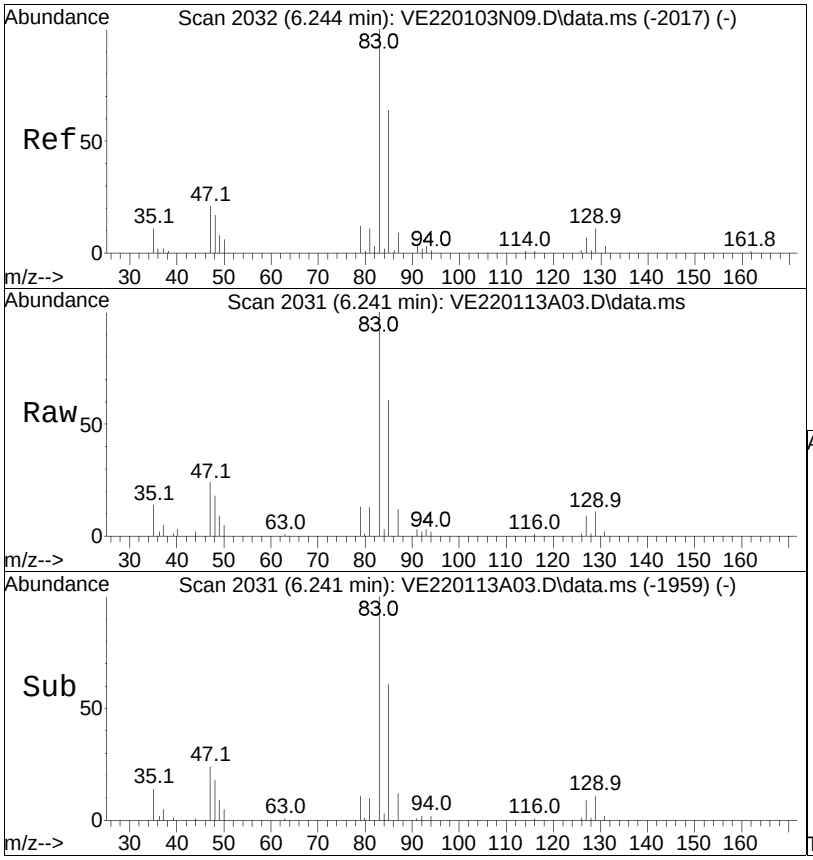


#51
1,2-Dichloropropane
Concen: 9.67 ug/L
RT: 6.127 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 63 Resp: 19768

Ion	Ratio	Lower	Upper
63	100		
62	72.9	58.6	87.8
76	41.8	38.0	57.0

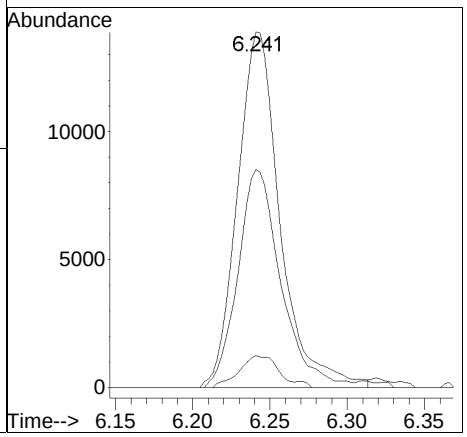


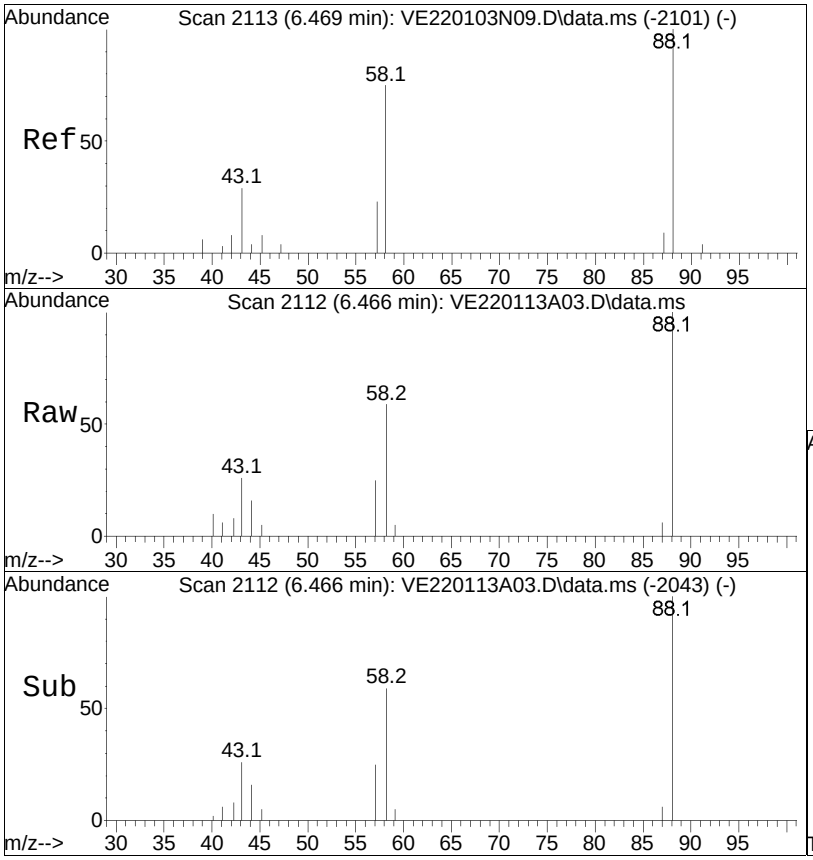


#54
Bromodichloromethane
Concen: 9.87 ug/L
RT: 6.241 min Scan# 2031
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 83 Resp: 26622

Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.3	78.5
127	8.0	6.2	9.4

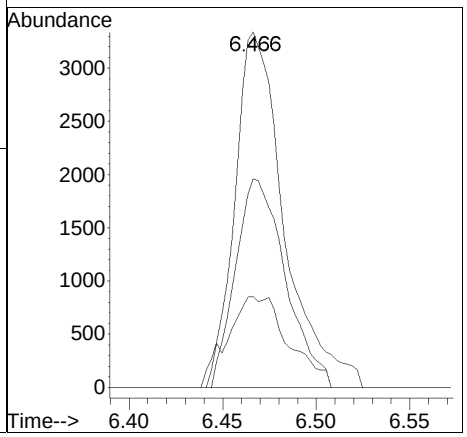


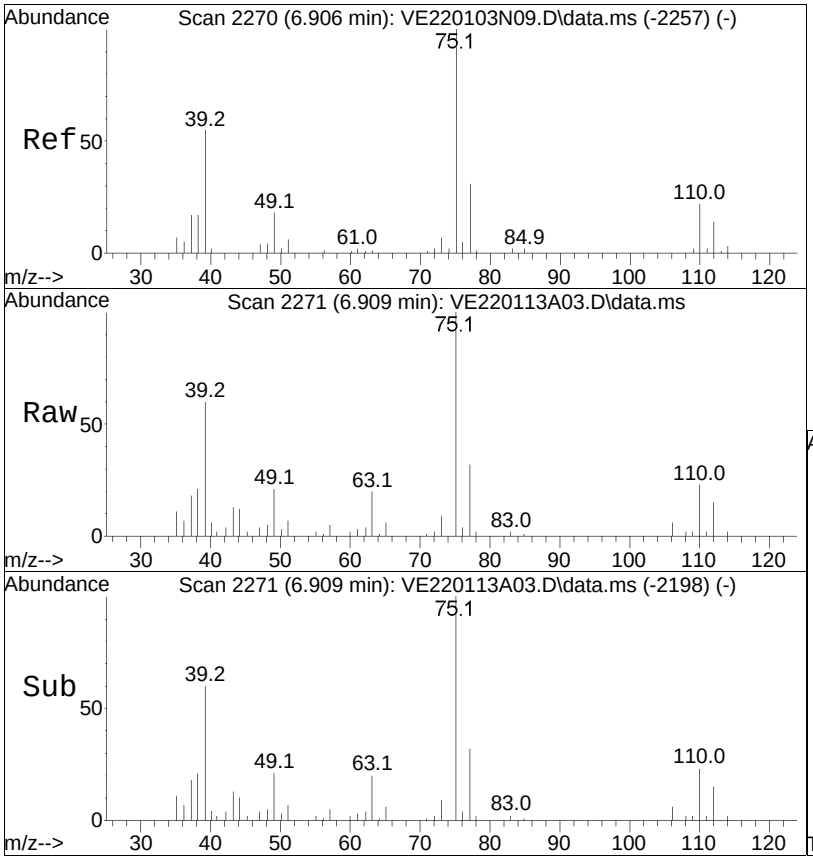


#57
1,4-Dioxane
Concen: 927.83 ug/L
RT: 6.466 min Scan# 2112
Delta R.T. -0.009 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 88 Resp: 6183

Ion	Ratio	Lower	Upper
88	100		
58	58.9	76.7	115.1#
43	30.6	36.2	54.2#

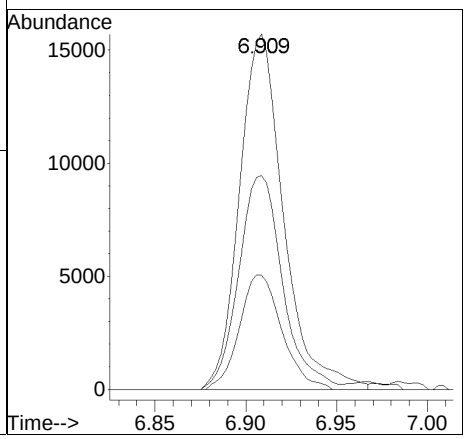


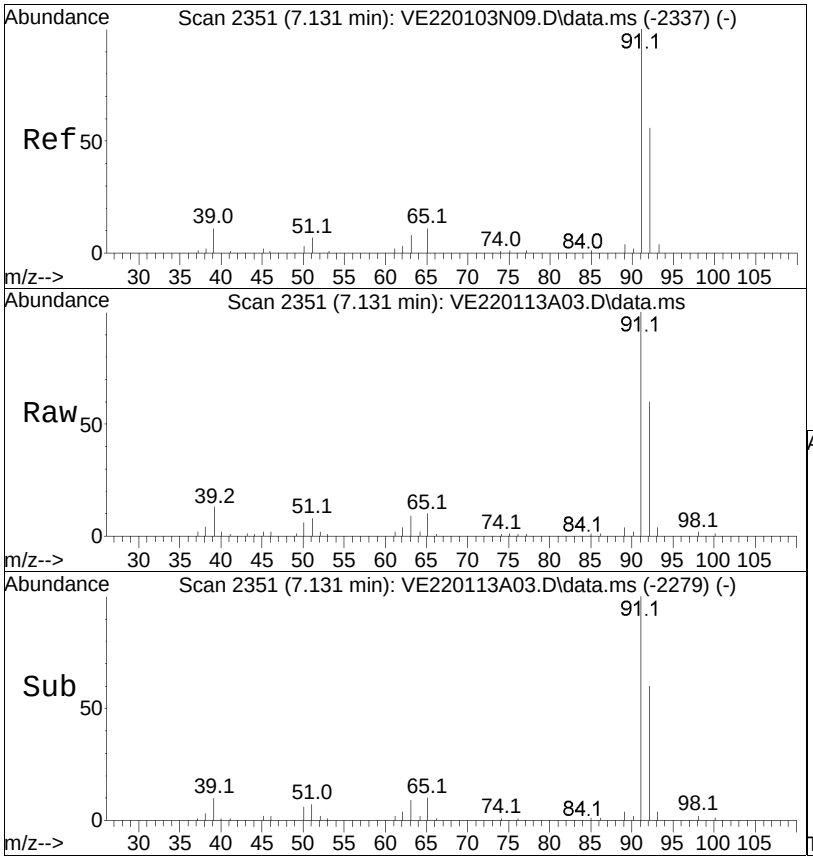


#58
cis-1,3-Dichloropropene
Concen: 8.80 ug/L
RT: 6.909 min Scan# 2271
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 75 Resp: 26535

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4
39	60.2	50.1	75.1

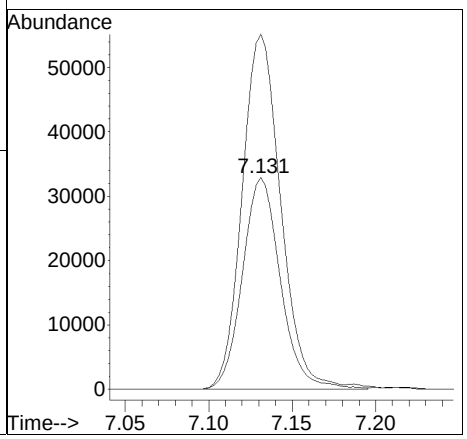


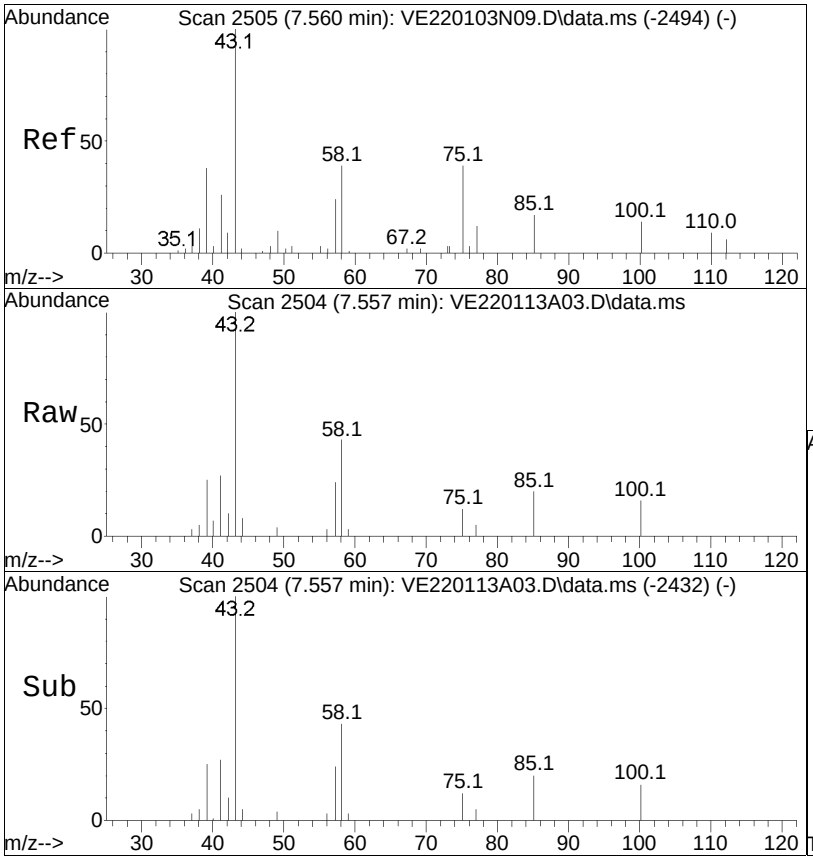


#61
Toluene
Concen: 9.72 ug/L
RT: 7.131 min Scan# 2351
Delta R.T. 0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 92 Resp: 52287

Ion	Ratio	Lower	Upper
92	100		
91	169.3	139.8	209.6

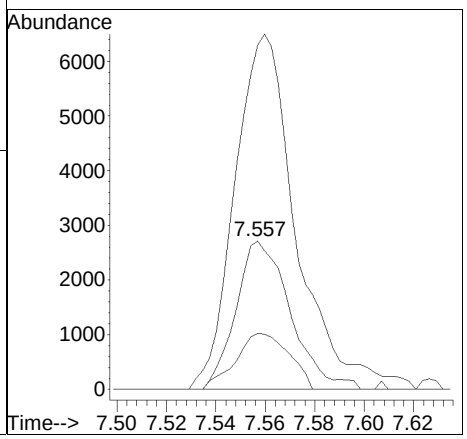


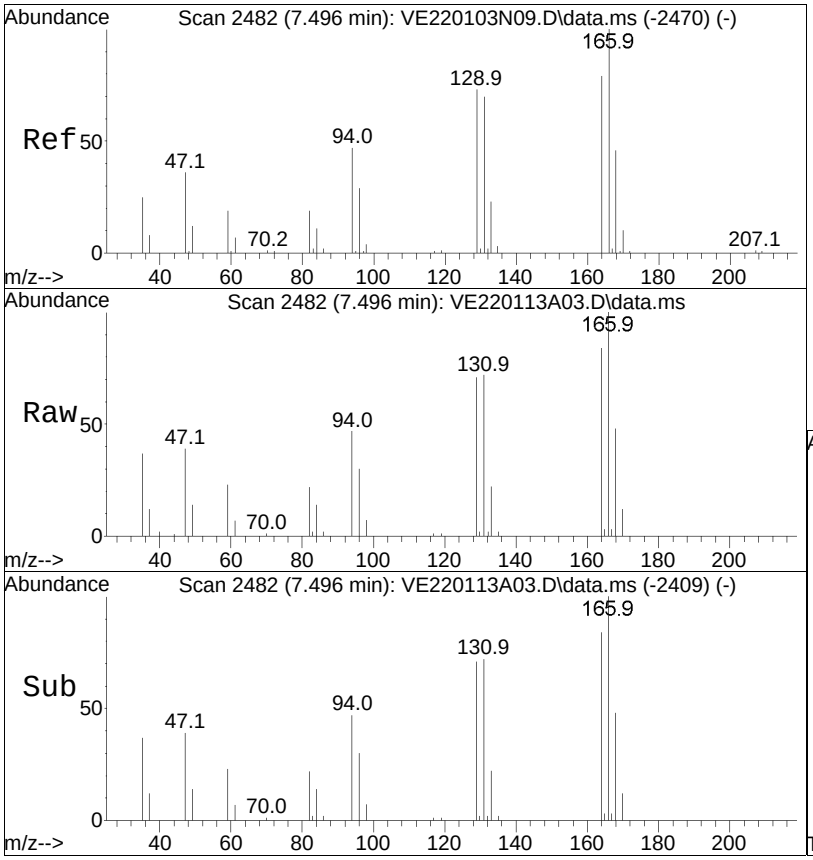


#62
4-Methyl-2-pentanone
Concen: 11.17 ug/L
RT: 7.557 min Scan# 2504
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 58 Resp: 4165

Ion	Ratio	Lower	Upper
58	100		
100	37.0	20.2	30.2#
43	270.1	196.6	295.0

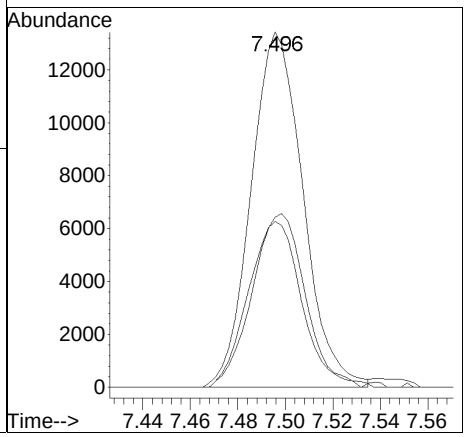


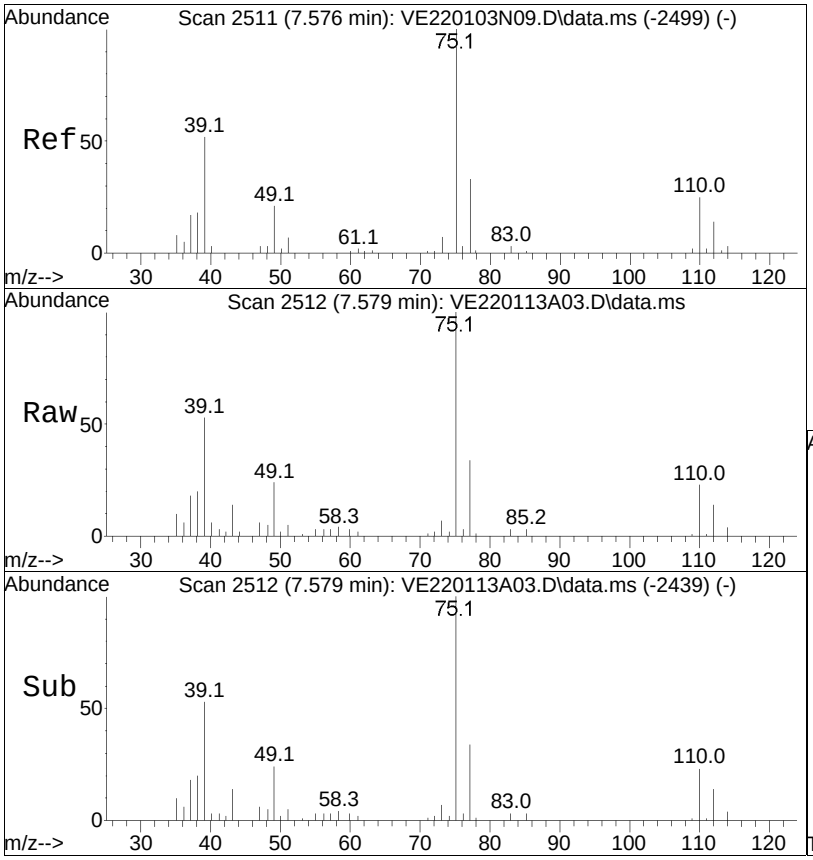


#63
Tetrachloroethene
Concen: 9.37 ug/L
RT: 7.496 min Scan# 2482
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:166 Resp: 20433

Ion	Ratio	Lower	Upper
166	100		
168	49.8	28.2	68.2
94	48.1	38.4	78.4

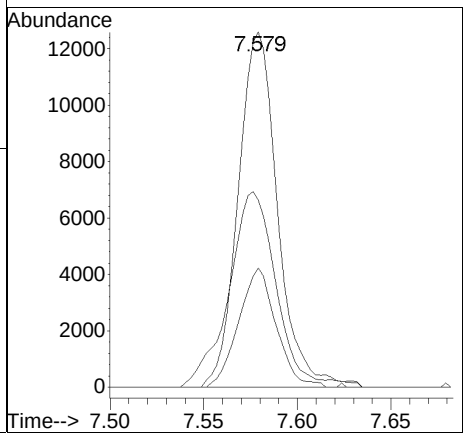


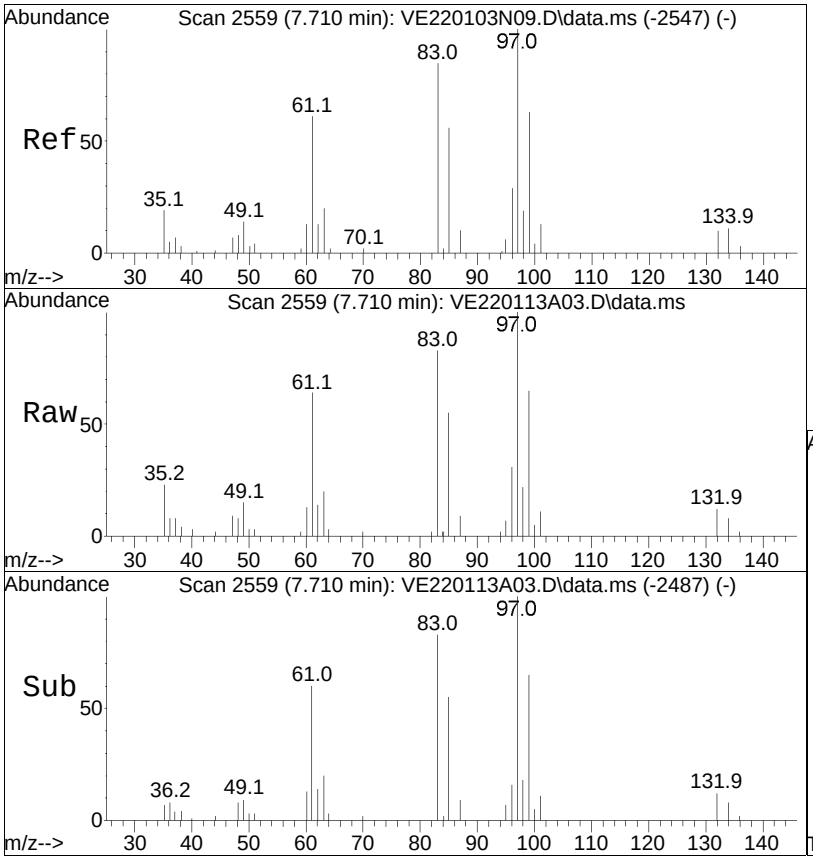


#65
trans-1,3-Dichloropropene
Concen: 7.39 ug/L
RT: 7.579 min Scan# 2512
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 75 Resp: 18470

Ion	Ratio	Lower	Upper
75	100		
77	32.0	12.4	52.4
39	66.3	42.8	82.8

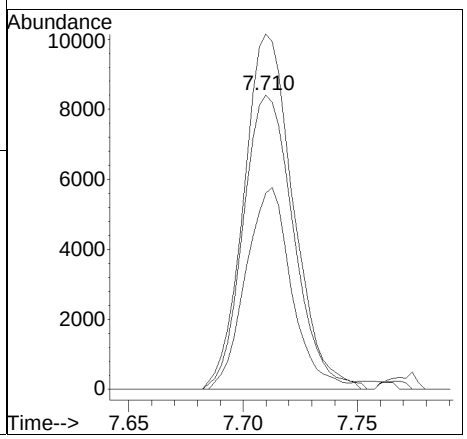


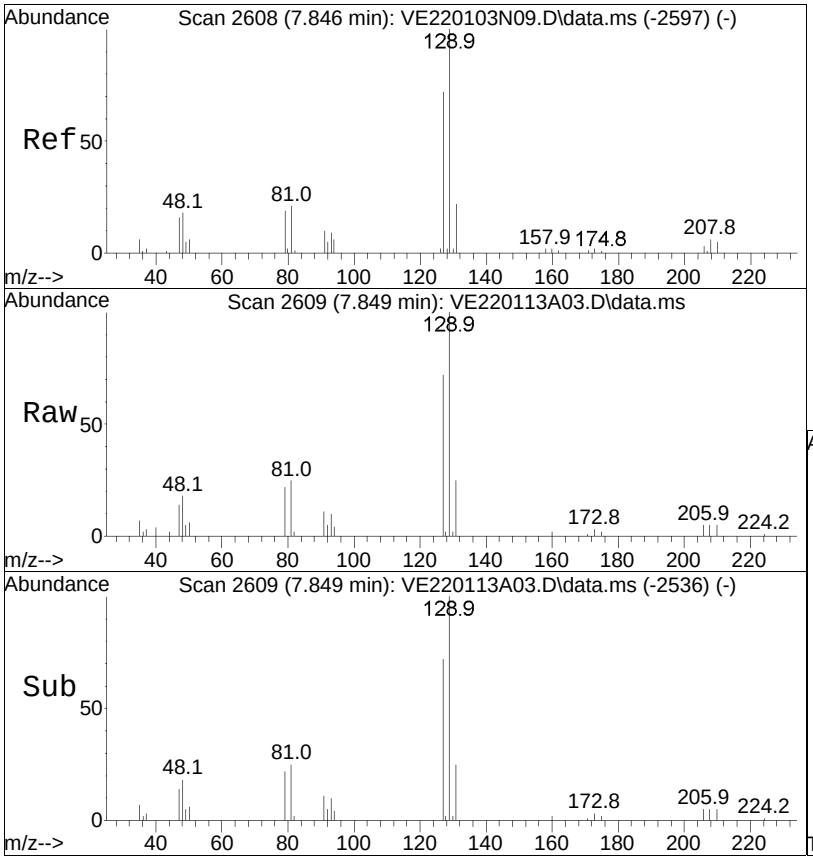


#68
1,1,2-Trichloroethane
Concen: 10.97 ug/L
RT: 7.710 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 83 Resp: 12869

Ion	Ratio	Lower	Upper
83	100		
97	118.6	89.8	129.8
85	63.1	44.4	84.4

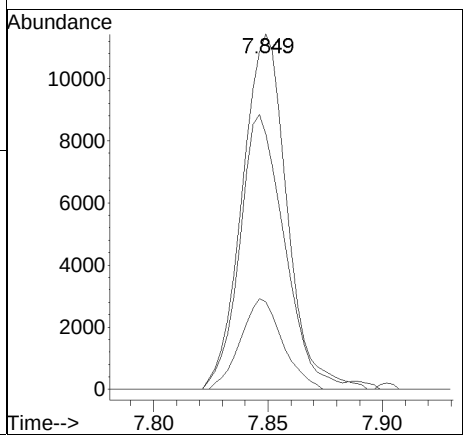


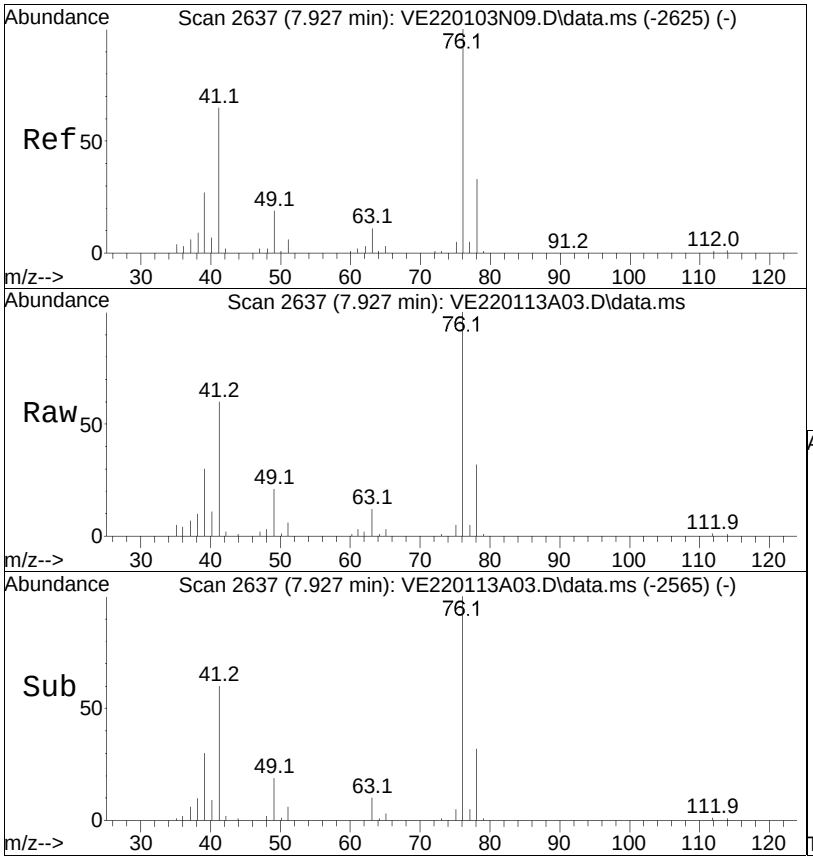


#69
Chlorodibromomethane
Concen: 9.42 ug/L
RT: 7.849 min Scan# 2609
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:129 Resp: 15582

Ion	Ratio	Lower	Upper
129	100		
81	23.9	2.9	42.9
127	77.1	57.8	97.8

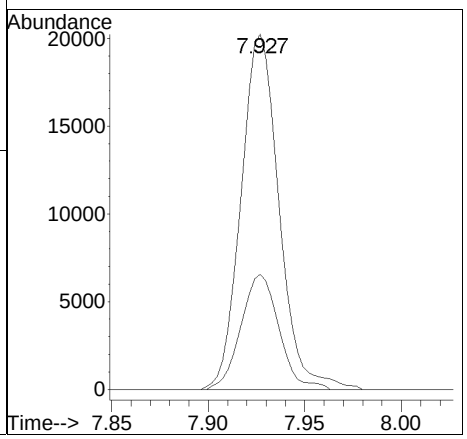


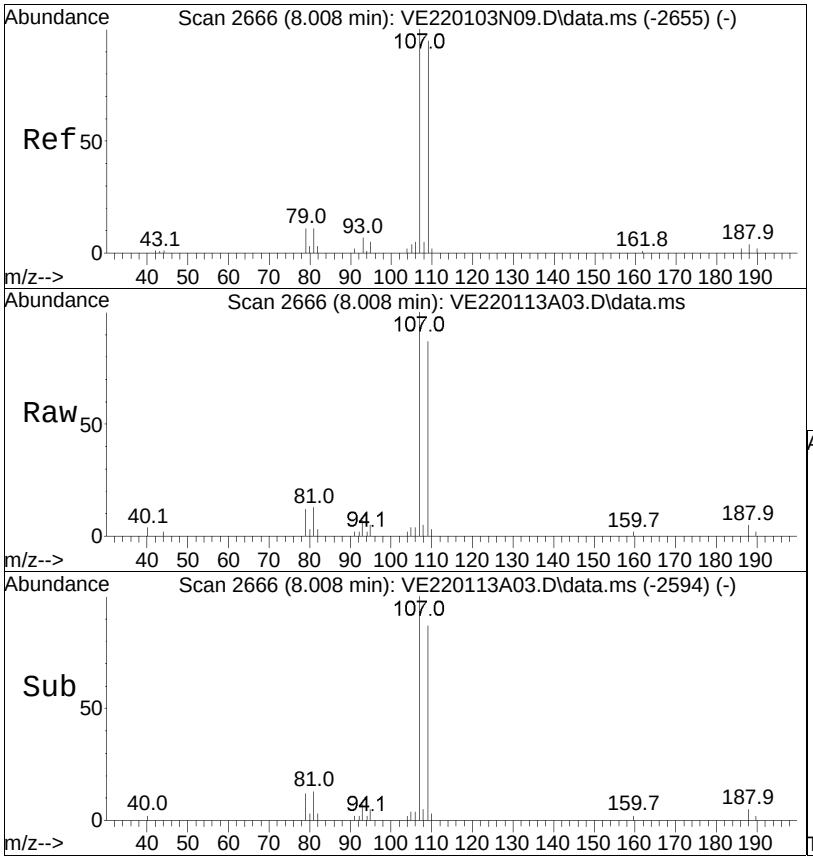


#70
1,3-Dichloropropane
Concen: 11.05 ug/L
RT: 7.927 min Scan# 2637
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 76 Resp: 27767

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

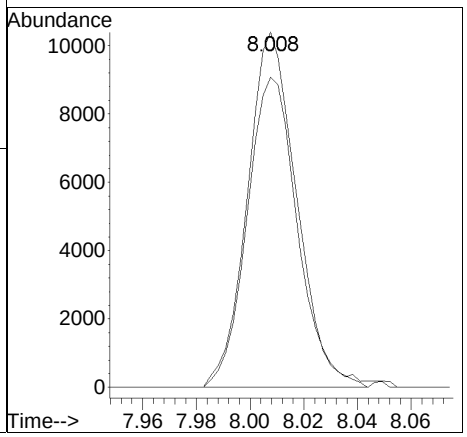


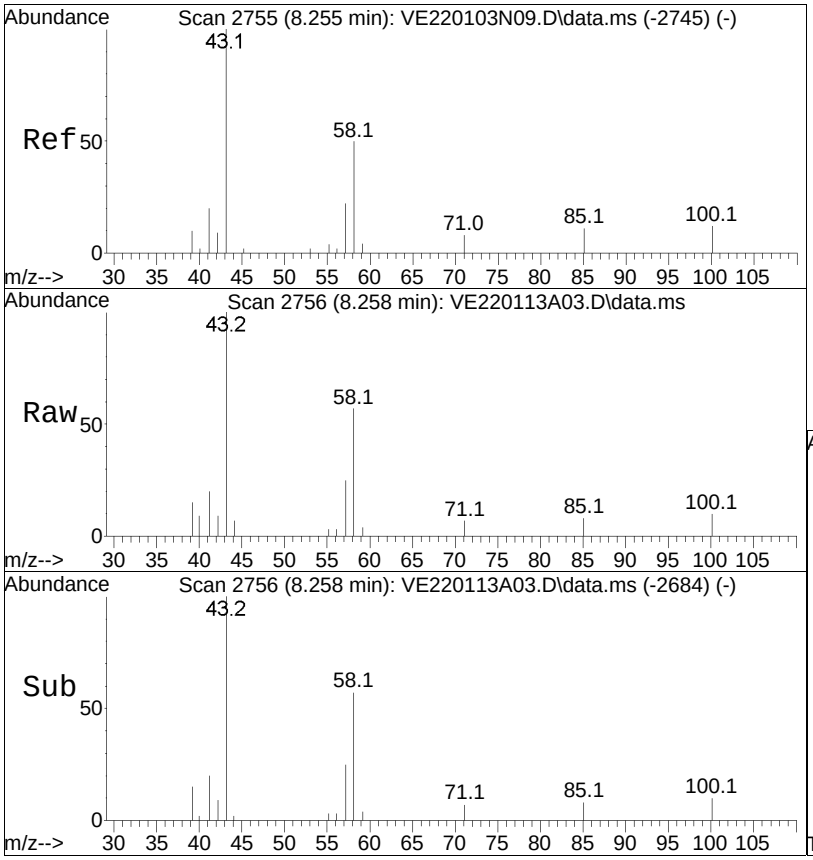


#71
1,2-Dibromoethane
Concen: 9.72 ug/L
RT: 8.008 min Scan# 2666
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:107 Resp: 13226

Ion	Ratio	Lower	Upper
107	100		
109	90.6	74.3	111.5

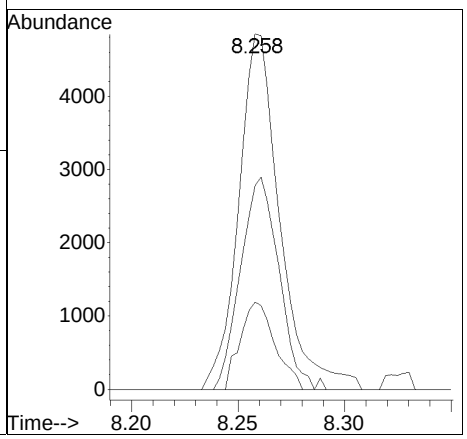


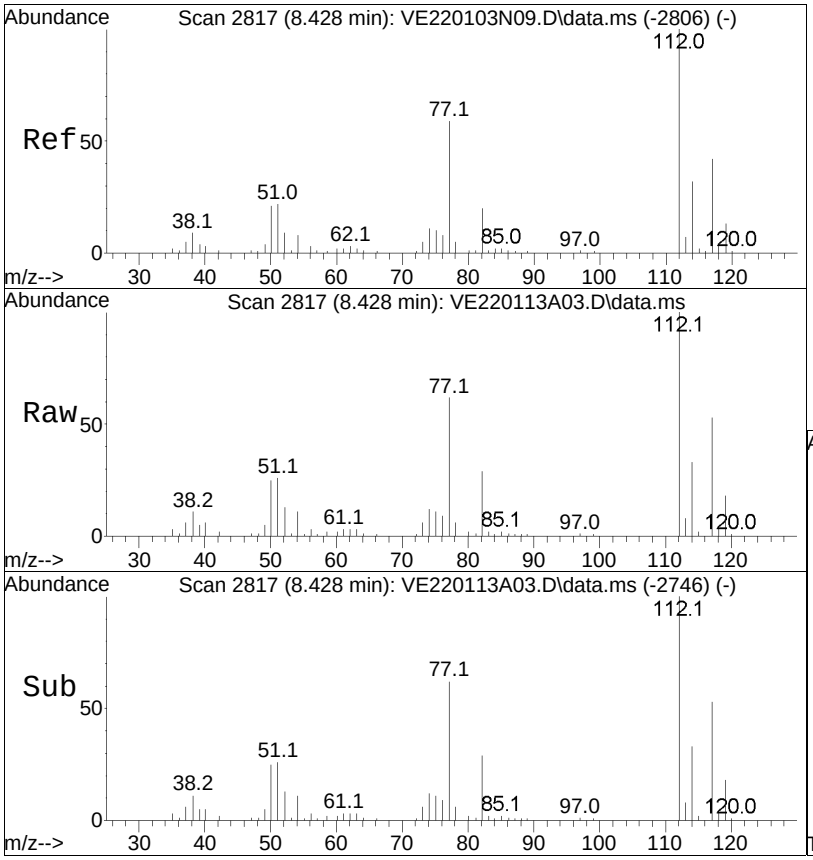


#72
2-Hexanone
Concen: 9.66 ug/L
RT: 8.258 min Scan# 2756
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 43 Resp: 6538

Ion	Ratio	Lower	Upper
43	100		
58	55.6	41.2	61.8
57	20.7	17.2	25.8

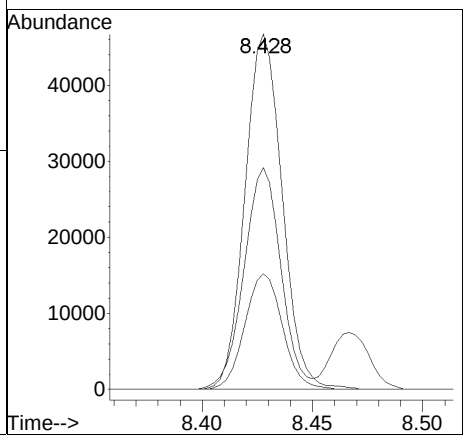


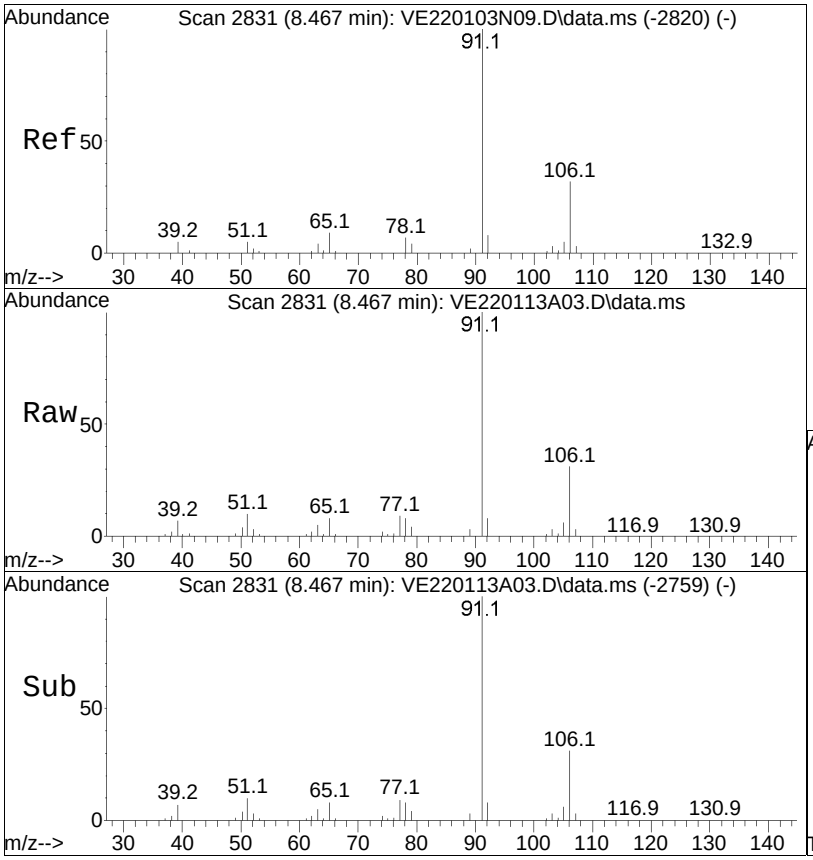


#73
Chlorobenzene
Concen: 9.92 ug/L
RT: 8.428 min Scan# 2817
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:112 Resp: 54962

Ion	Ratio	Lower	Upper
112	100		
77	62.0	55.4	83.0
114	32.9	25.4	38.2

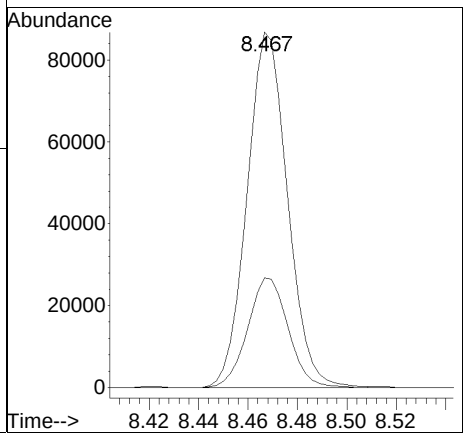


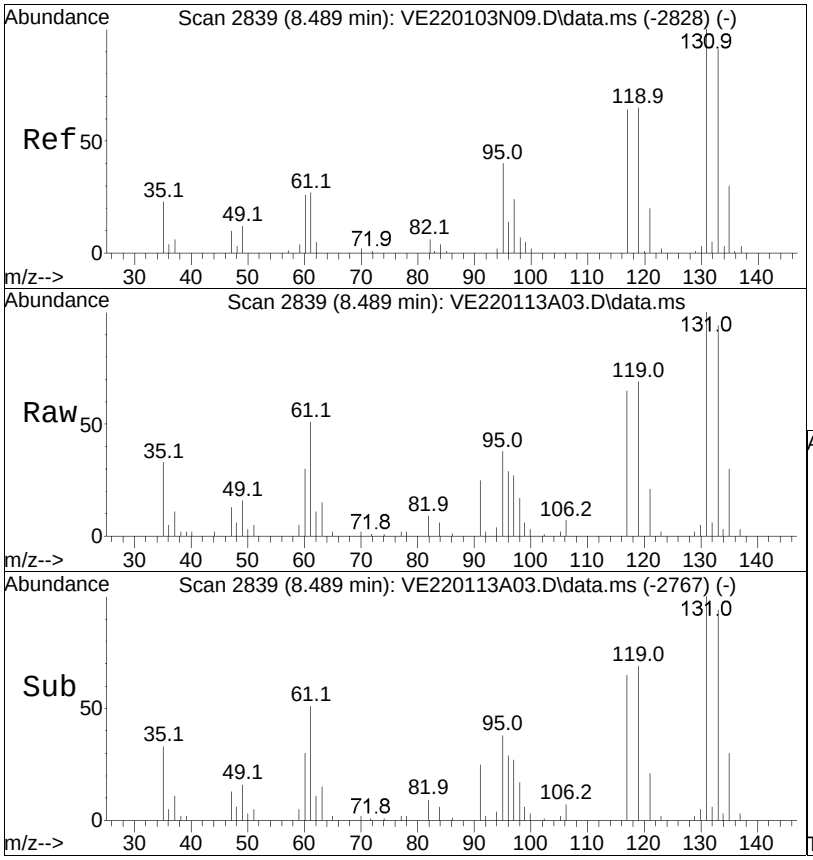


#74
Ethylbenzene
Concen: 9.70 ug/L
RT: 8.467 min Scan# 2831
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 91 Resp: 98852

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.3	36.5

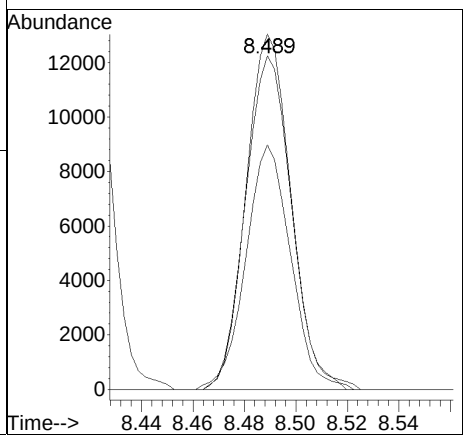


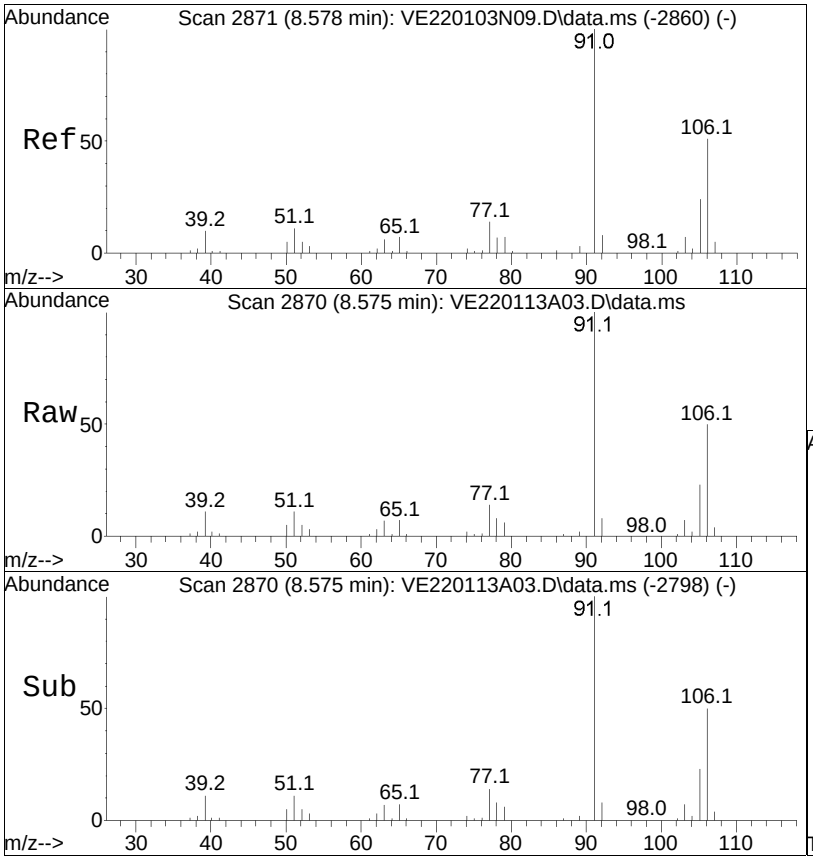


#75
1,1,1,2-Tetrachloroethane
Concen: 8.17 ug/L
RT: 8.489 min Scan# 2839
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:131 Resp: 15877

Ion	Ratio	Lower	Upper
131	100		
133	95.7	81.0	121.0
119	68.4	41.3	81.3

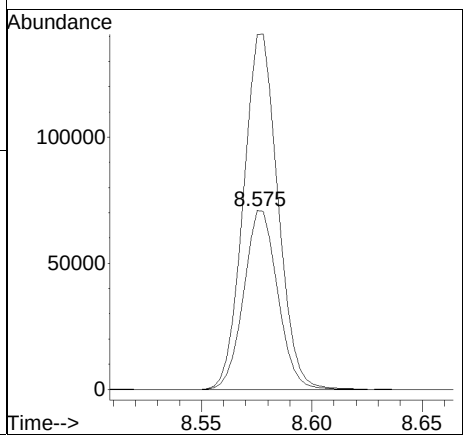


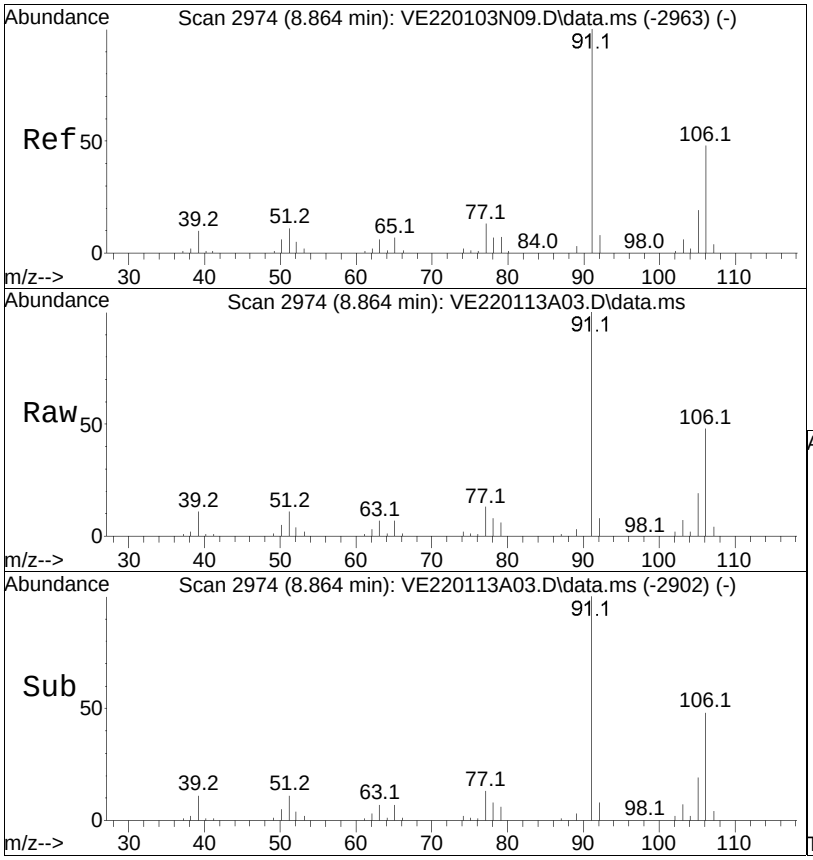


#76
p/m Xylene
Concen: 19.30 ug/L
RT: 8.575 min Scan# 2870
Delta R.T. 0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:106 Resp: 75903

Ion	Ratio	Lower	Upper
106	100		
91	201.4	166.4	249.6

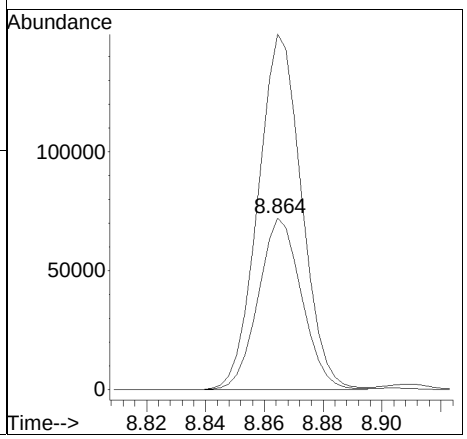


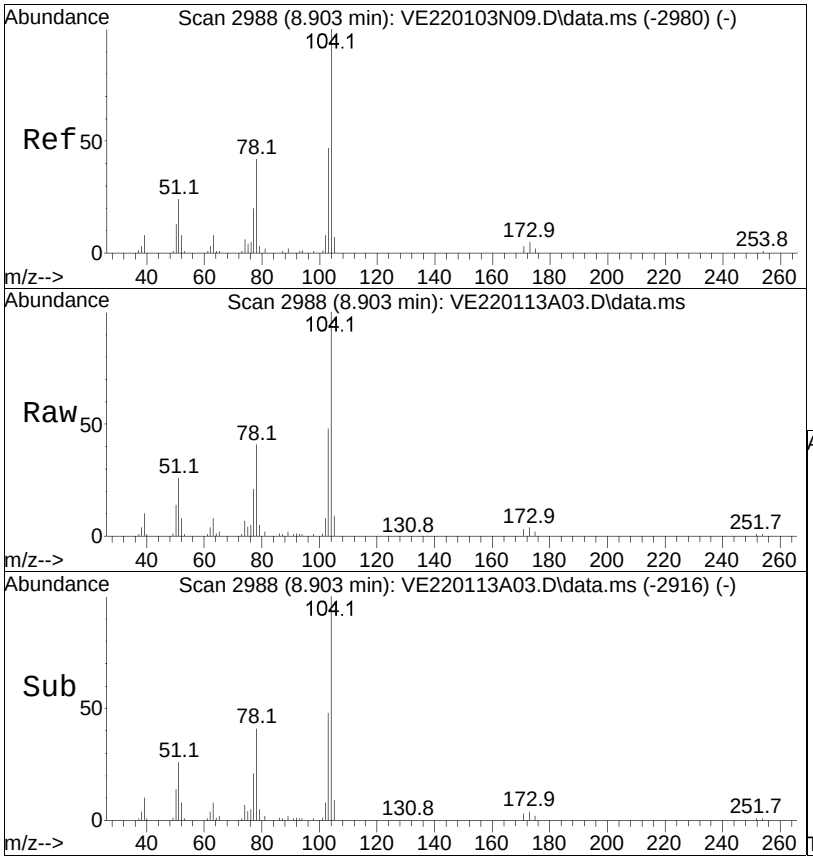


#77
o Xylene
Concen: 19.75 ug/L
RT: 8.864 min Scan# 2974
Delta R.T. -0.001 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:106 Resp: 73491

Ion	Ratio	Lower	Upper
106	100		
91	208.9	182.6	273.8

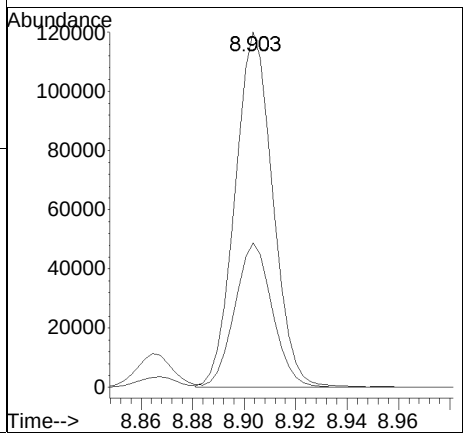


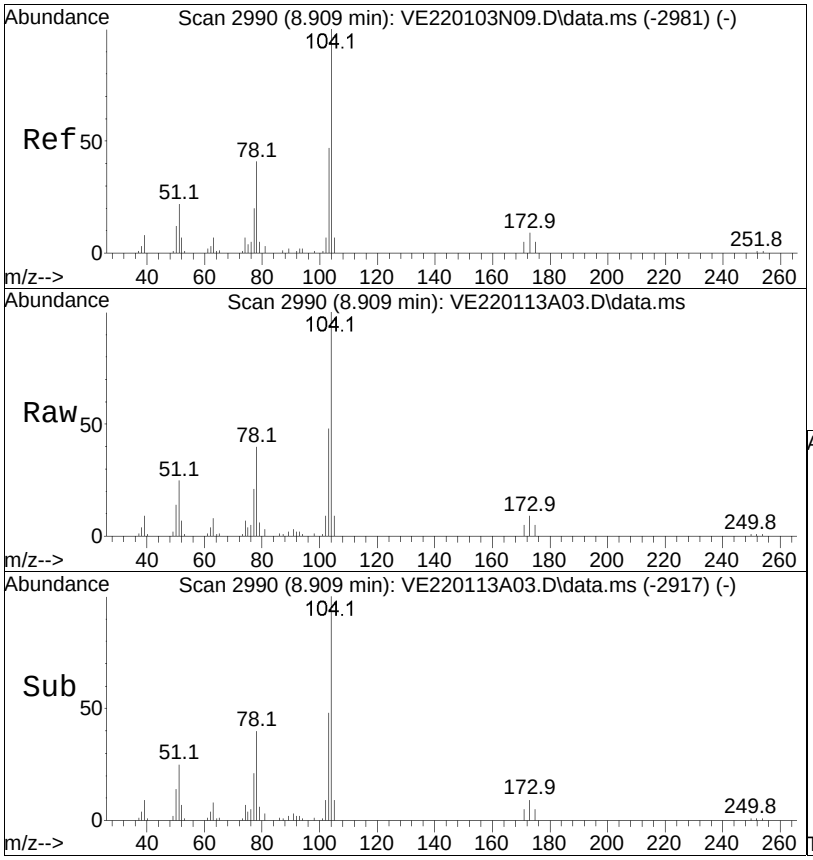


#78
Styrene
Concen: 19.97 ug/L
RT: 8.903 min Scan# 2988
Delta R.T. 0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:104 Resp: 121942

Ion	Ratio	Lower	Upper
104	100		
78	40.6	39.8	59.6

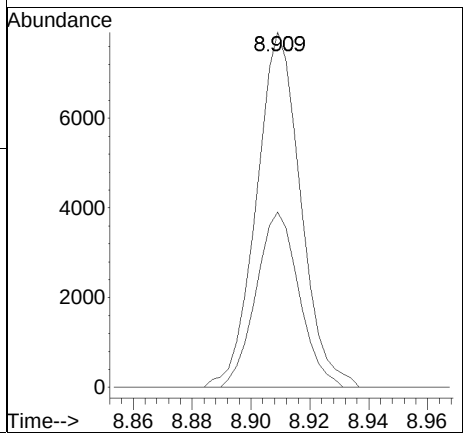


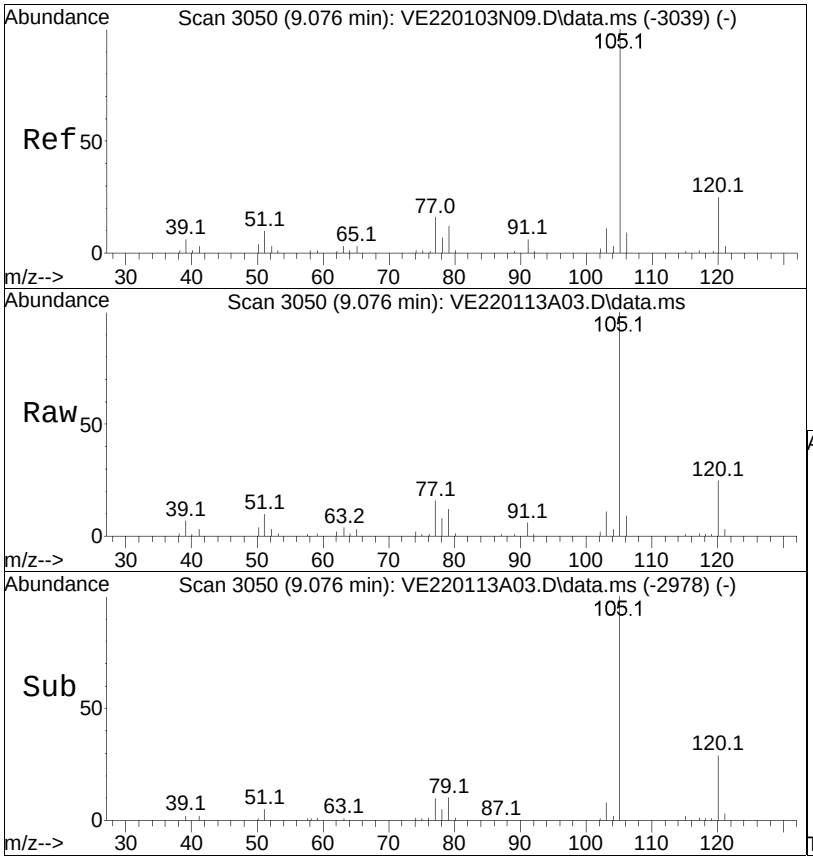


#80
Bromoform
Concen: 8.47 ug/L
RT: 8.909 min Scan# 2990
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:173 Resp: 8289

Ion	Ratio	Lower	Upper
173	100		
175	48.0	31.5	71.5

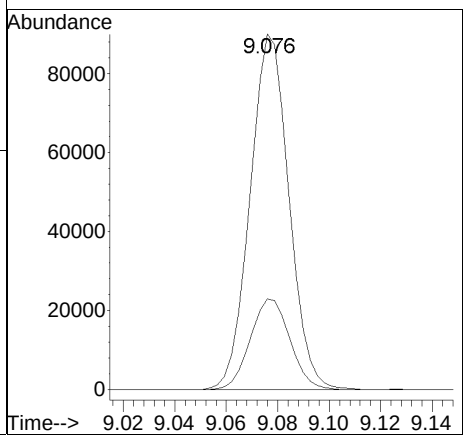


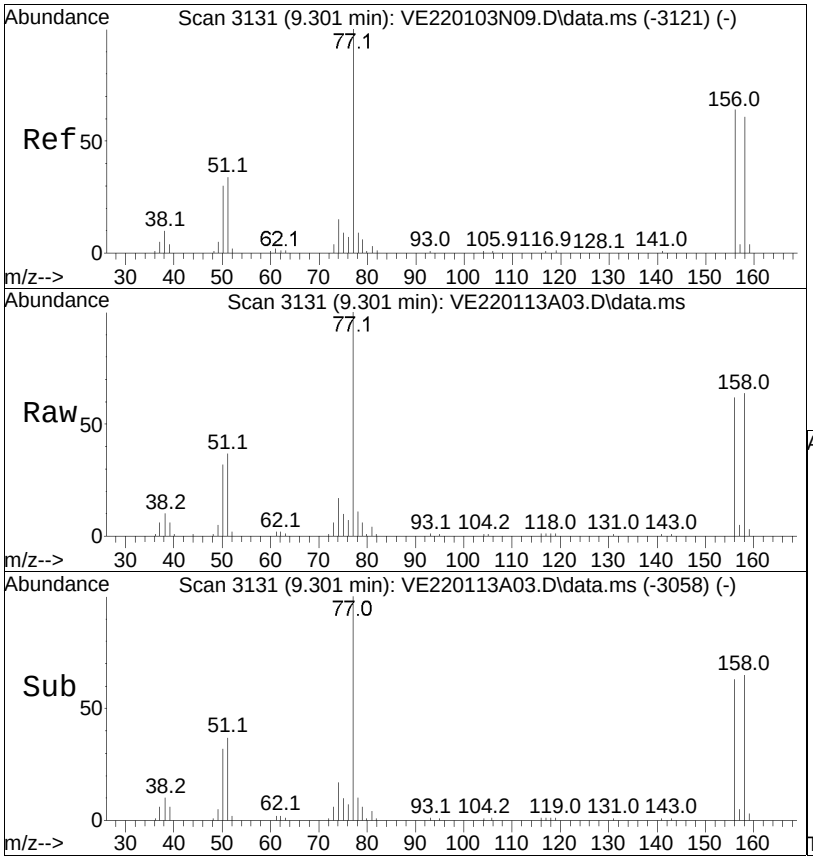


#82
Isopropylbenzene
Concen: 9.89 ug/L
RT: 9.076 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:105 Resp: 94152

Ion	Ratio	Lower	Upper
105	100		
120	25.9	4.8	44.8

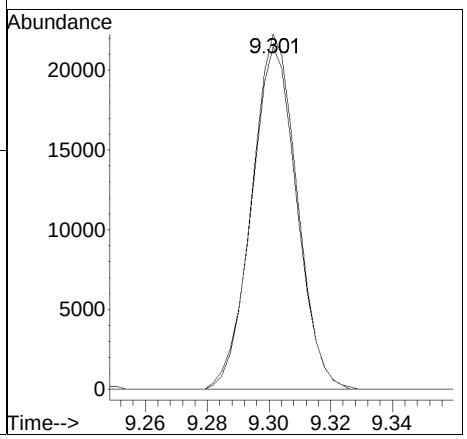


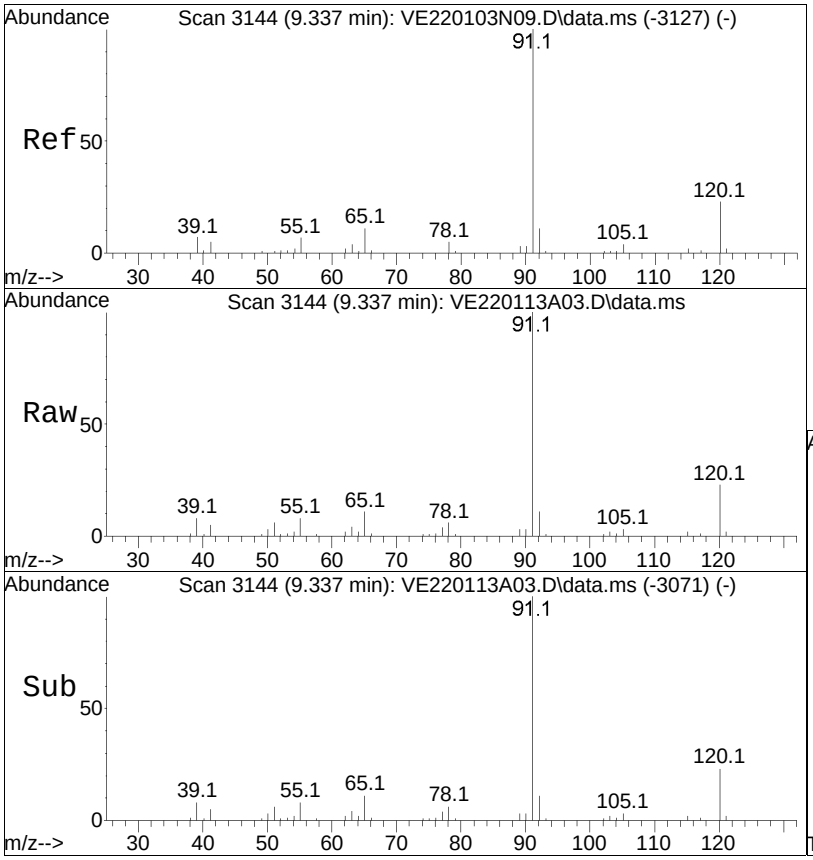


#84
Bromobenzene
Concen: 9.75 ug/L
RT: 9.301 min Scan# 3131
Delta R.T. 0.002 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:156 Resp: 21875

Ion	Ratio	Lower	Upper
156	100		
158	102.9	75.9	113.9

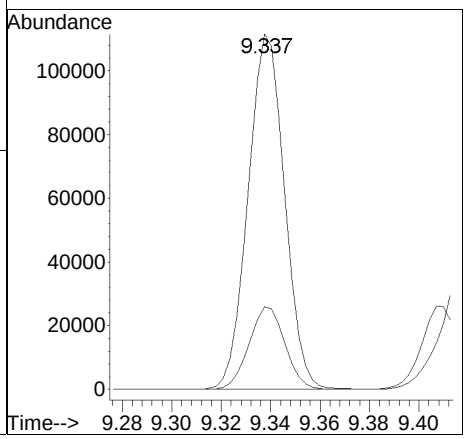


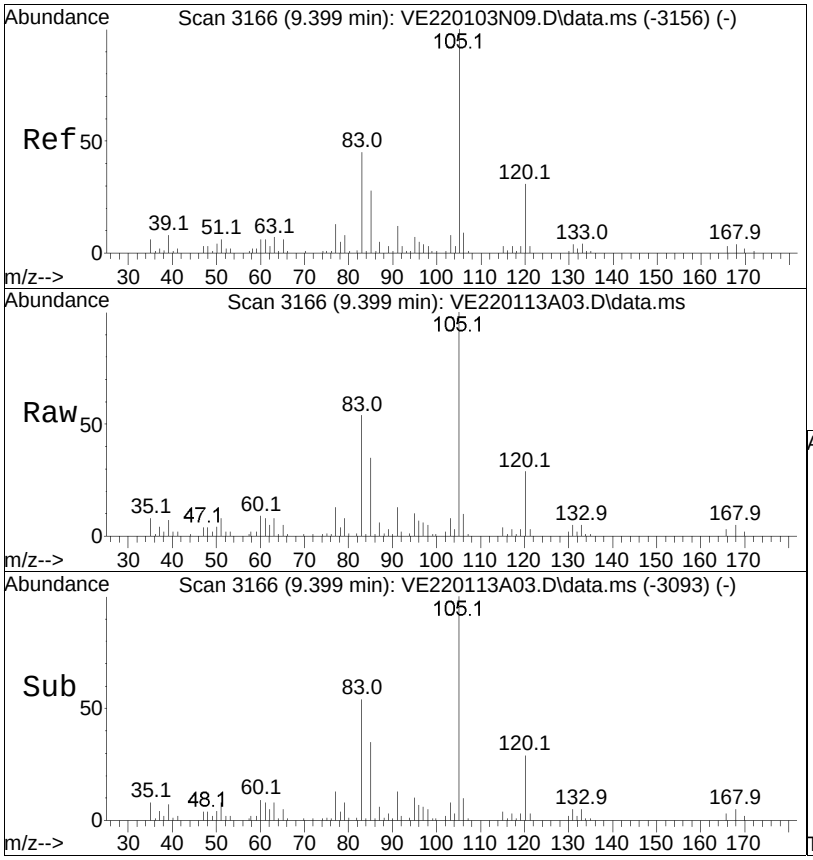


#85
n-Propylbenzene
Concen: 10.36 ug/L
RT: 9.337 min Scan# 3144
Delta R.T. 0.002 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 91 Resp: 114231

Ion	Ratio	Lower	Upper
91	100		
120	22.8	17.0	25.6

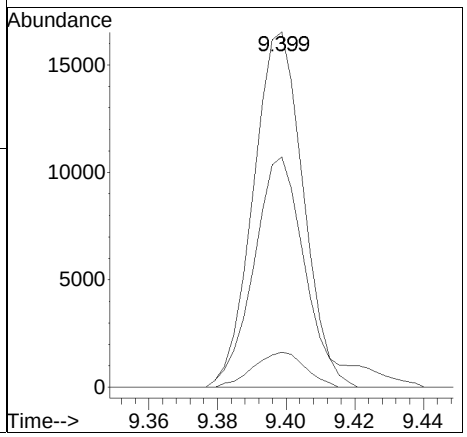


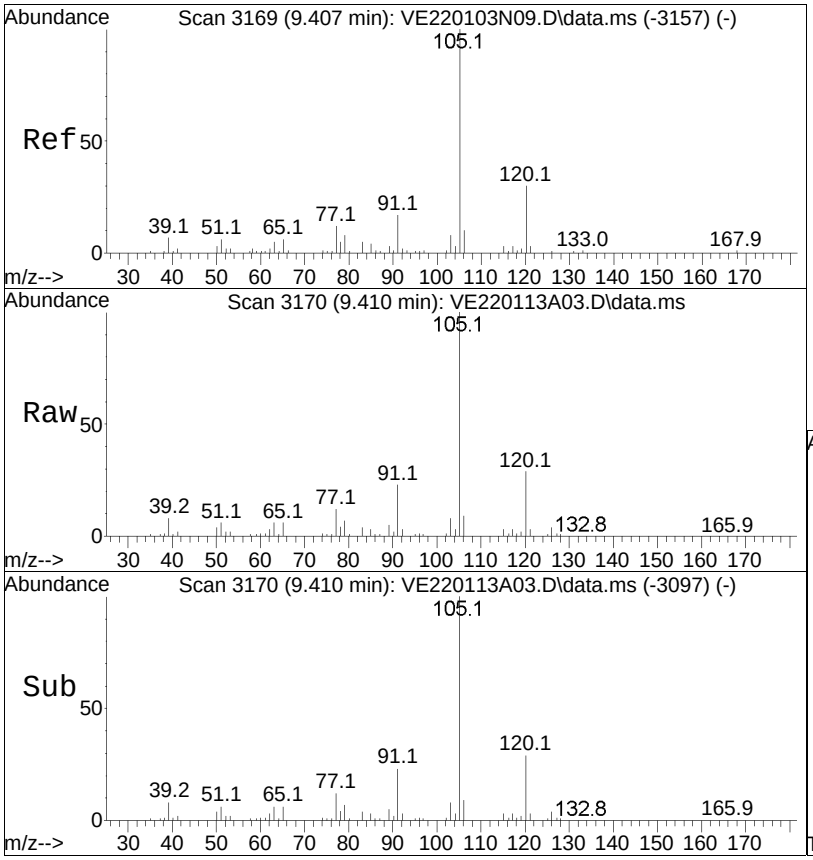


#87
1,1,2,2-Tetrachloroethane
Concen: 11.36 ug/L
RT: 9.399 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 83 Resp: 16734

Ion	Ratio	Lower	Upper
83	100		
131	10.4	0.0	30.4
85	70.7	45.4	85.4

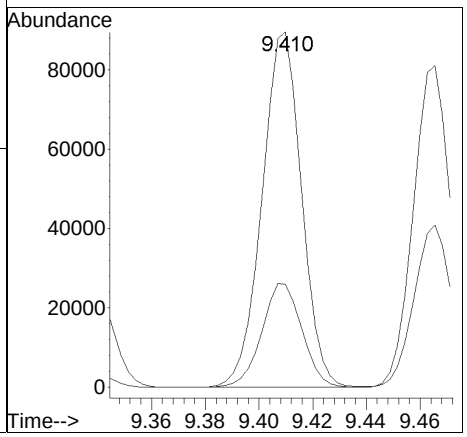


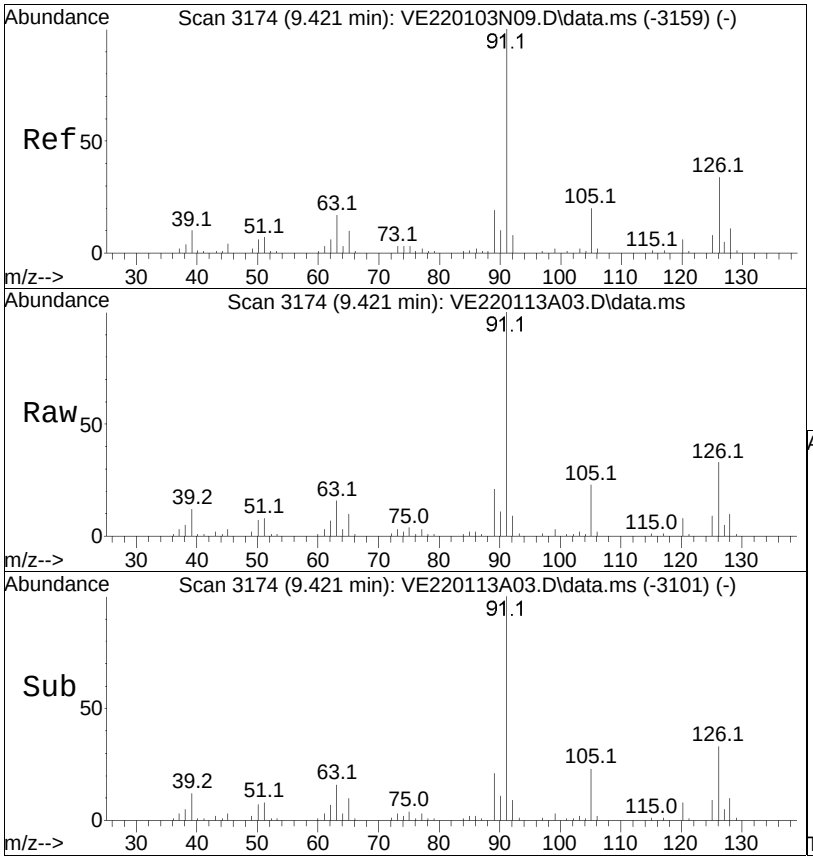


#88
4-Ethyltoluene
Concen: 9.94 ug/L
RT: 9.410 min Scan# 3170
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:105 Resp: 91678

Ion	Ratio	Lower	Upper
105	100		
120	29.7	18.1	37.7

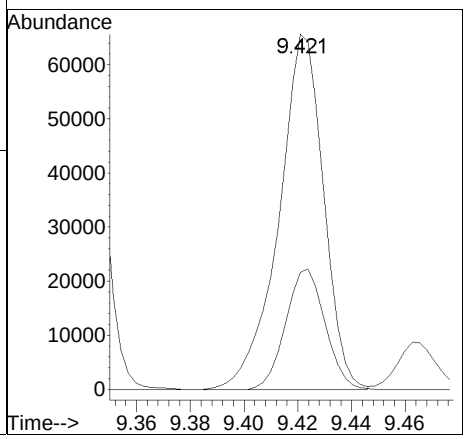


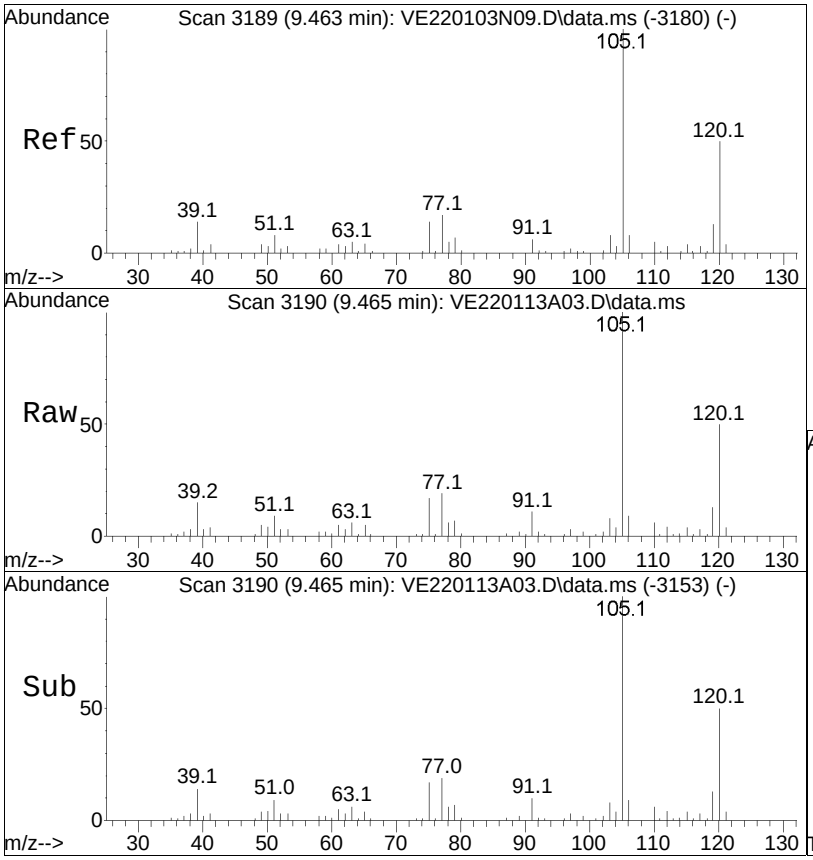


#89
2-Chlorotoluene
Concen: 9.98 ug/L
RT: 9.421 min Scan# 3174
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 91 Resp: 75817

Ion	Ratio	Lower	Upper
91	100		
126	29.8	21.5	32.3

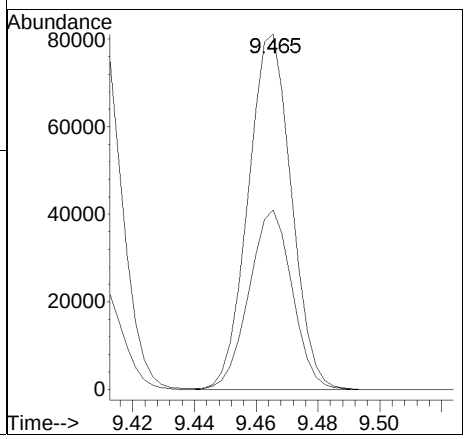


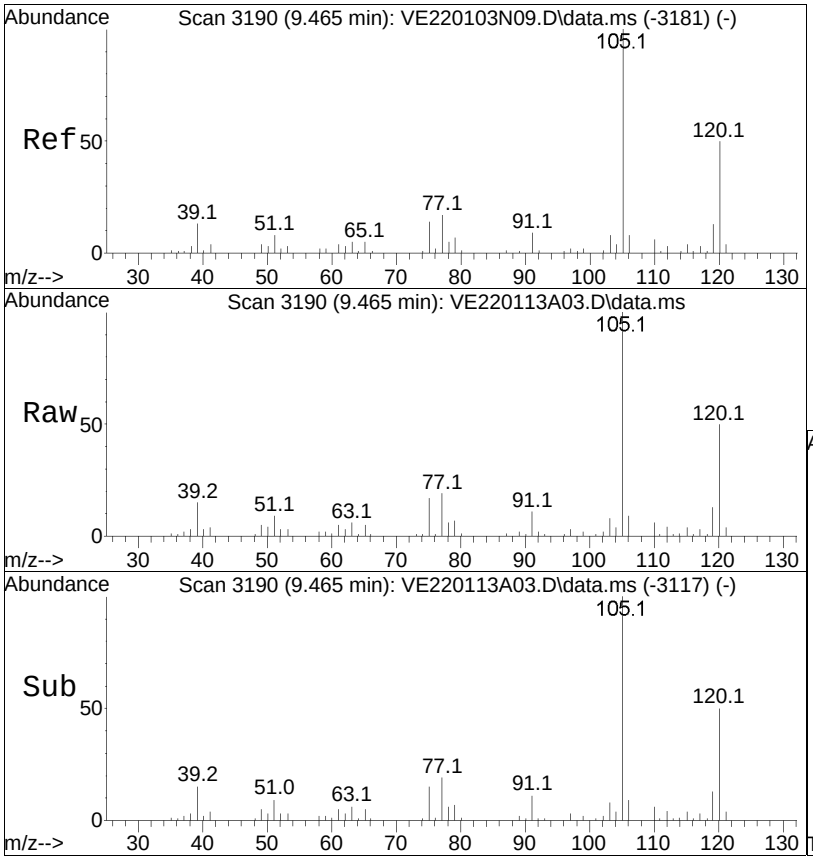


#90
1,3,5-Trimethylbenzene
Concen: 10.04 ug/L
RT: 9.465 min Scan# 3190
Delta R.T. 0.002 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:105 Resp: 78814

Ion	Ratio	Lower	Upper
105	100		
120	50.5	34.8	52.2

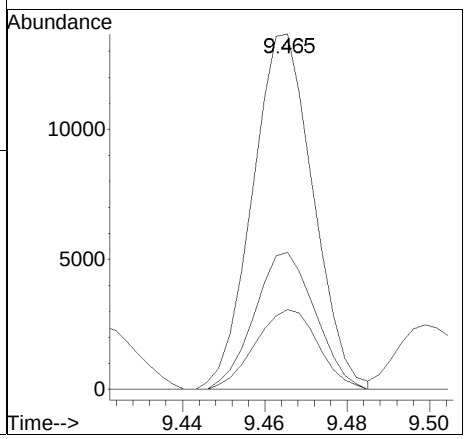


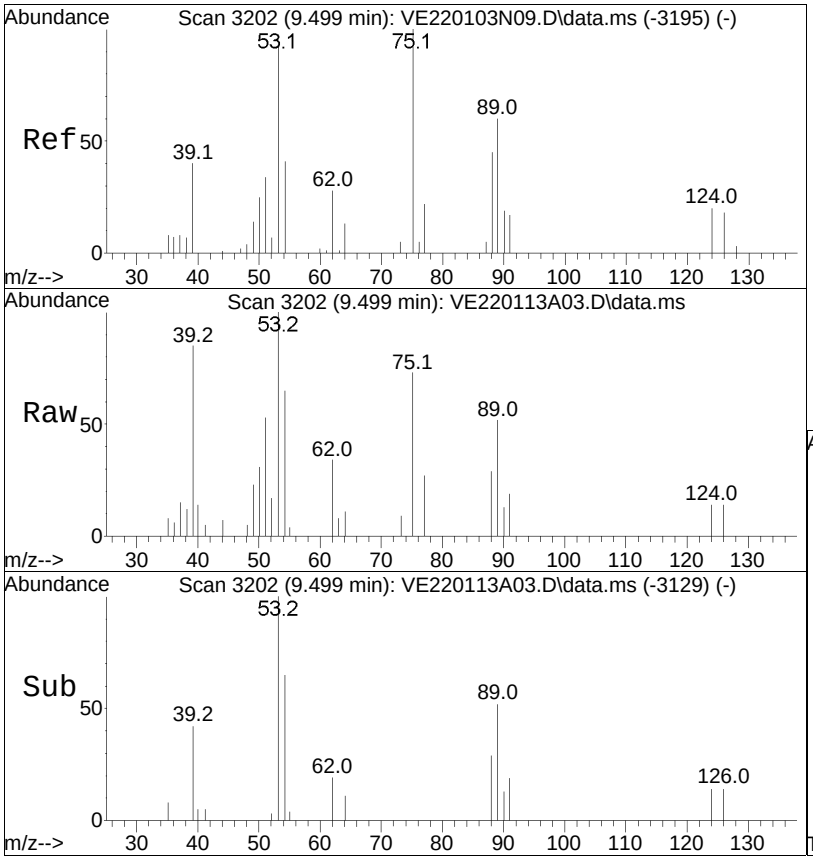


#91
1,2,3-Trichloropropane
Concen: 11.52 ug/L
RT: 9.465 min Scan# 3190
Delta R.T. 0.002 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 75 Resp: 14020

Ion	Ratio	Lower	Upper
75	100		
110	38.5	25.4	52.8
112	23.2	15.6	32.4

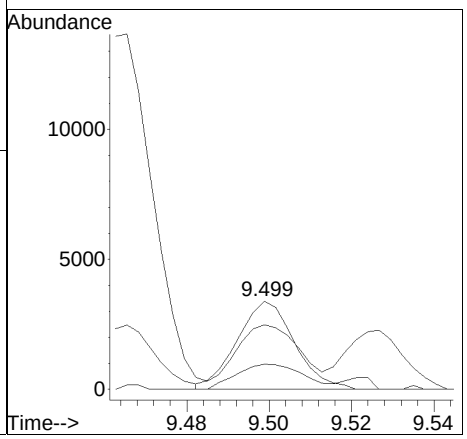


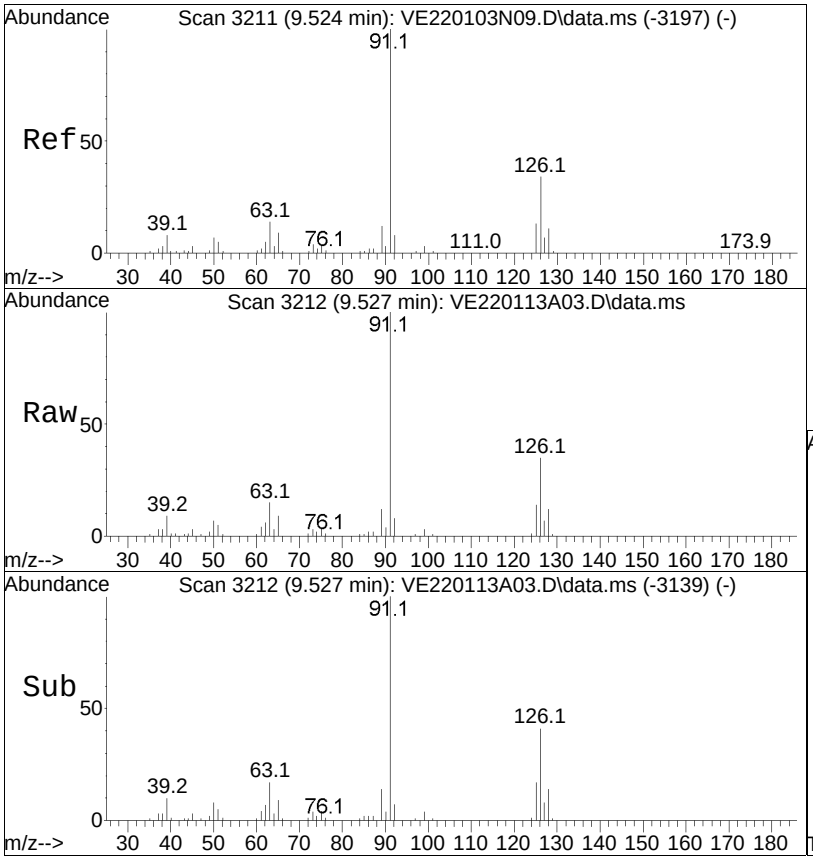


#92
trans-1,4-Dichloro-2-butene
Concen: 7.50 ug/L
RT: 9.499 min Scan# 3202
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 53 Resp: 3287

Ion	Ratio	Lower	Upper
53	100		
88	33.3	39.6	59.4#
75	81.5	70.2	105.4

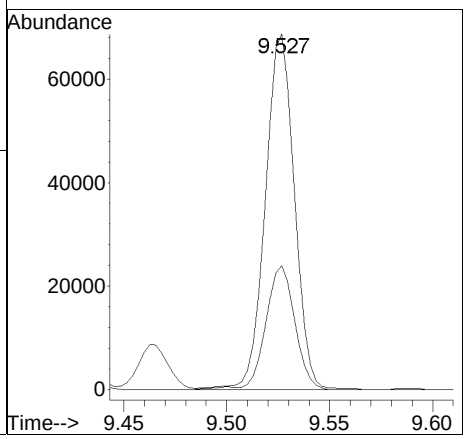


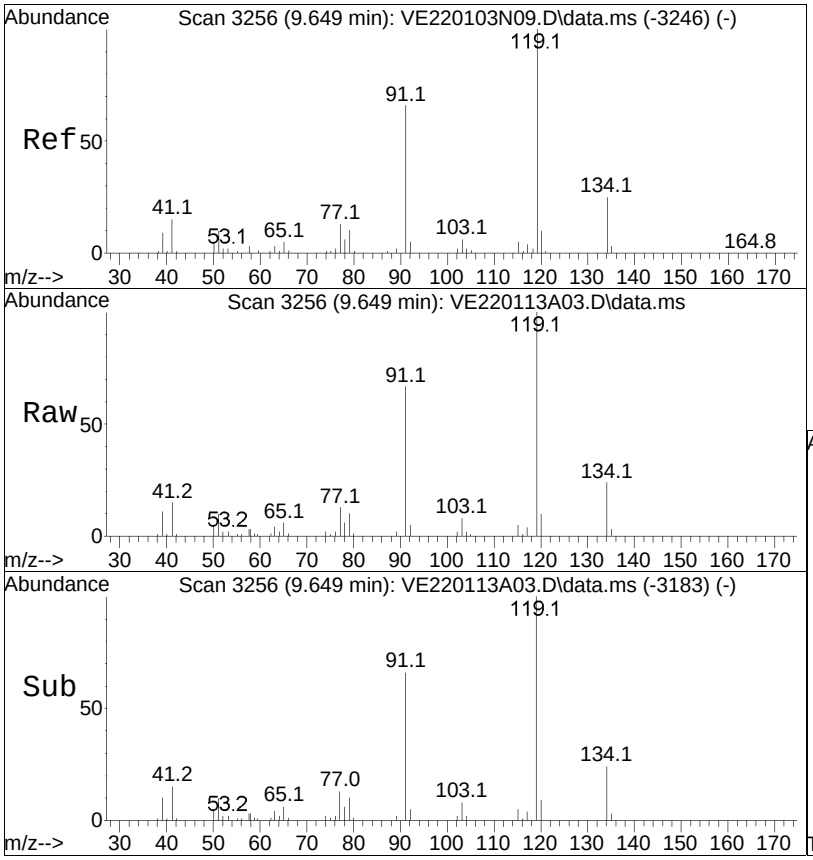


#93
4-Chlorotoluene
Concen: 9.94 ug/L
RT: 9.527 min Scan# 3212
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 91 Resp: 67525

Ion	Ratio	Lower	Upper
91	100		
126	34.2	24.6	36.8

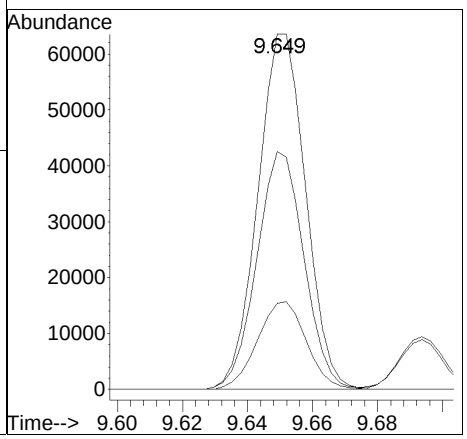


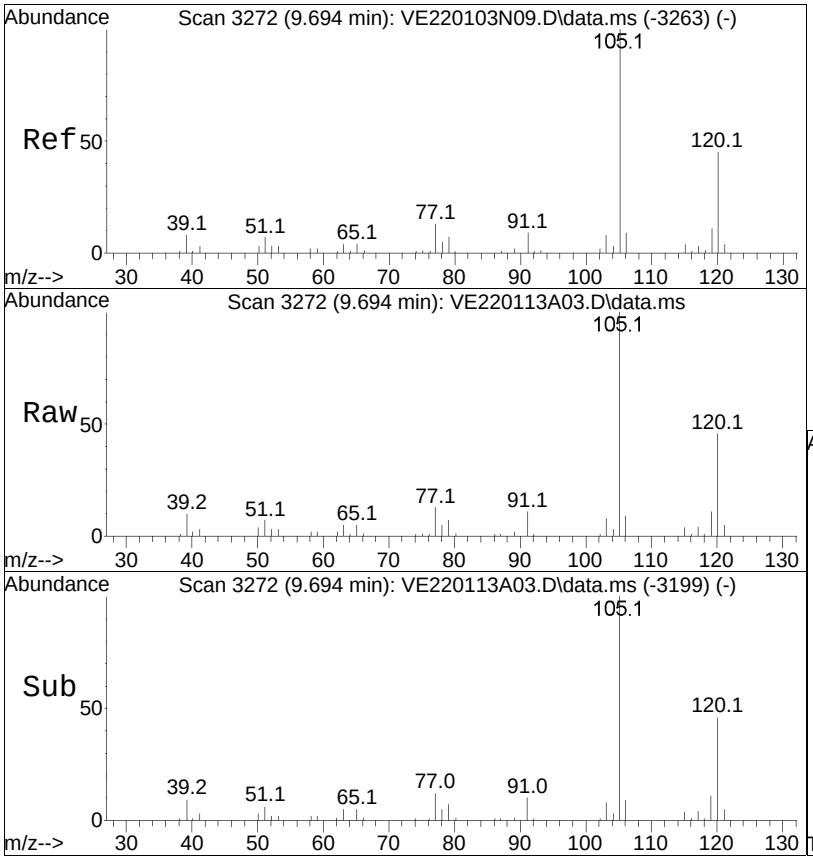


#94
tert-Butylbenzene
Concen: 9.76 ug/L
RT: 9.649 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:119 Resp: 65049

Ion	Ratio	Lower	Upper
119	100		
91	66.1	51.4	77.2
134	25.2	18.3	27.5

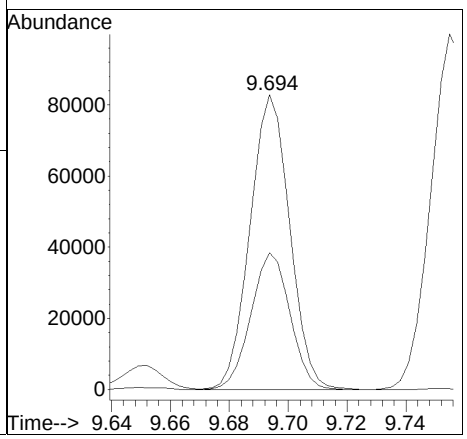


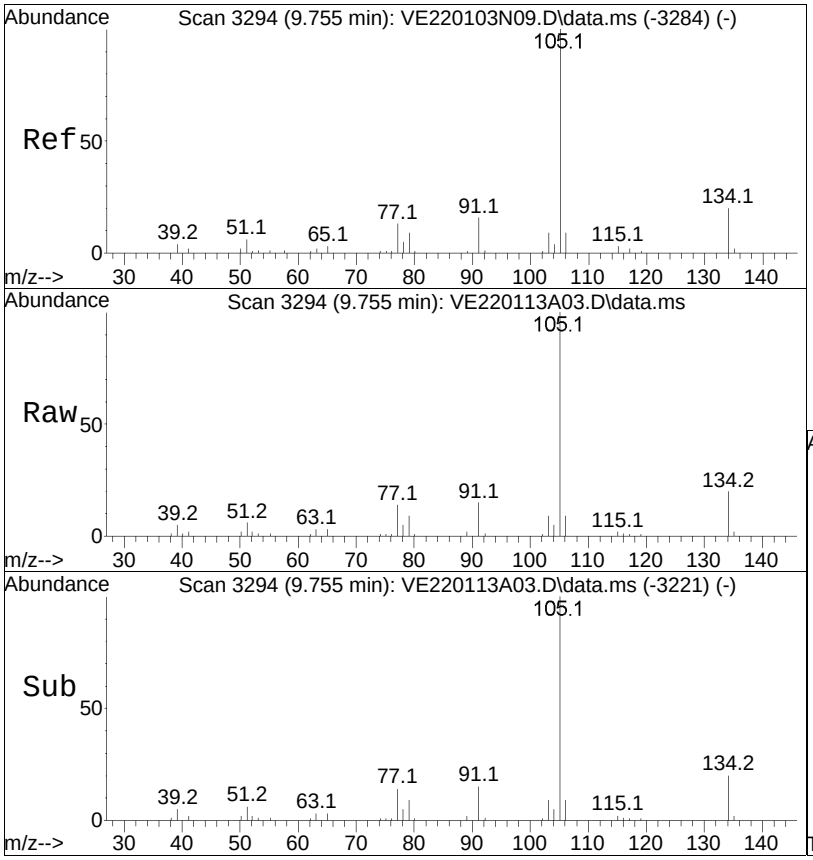


#97
1,2,4-Trimethylbenzene
Concen: 9.98 ug/L
RT: 9.694 min Scan# 3272
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:105 Resp: 77728

Ion	Ratio	Lower	Upper
105	100		
120	45.6	33.4	50.0

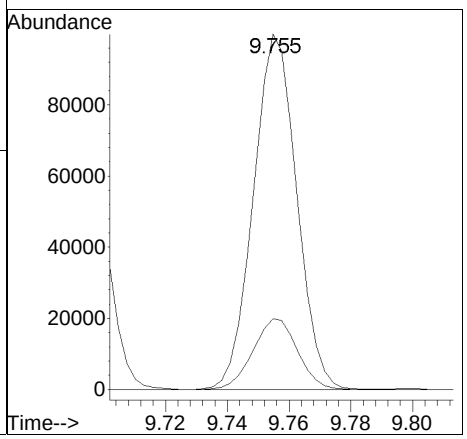


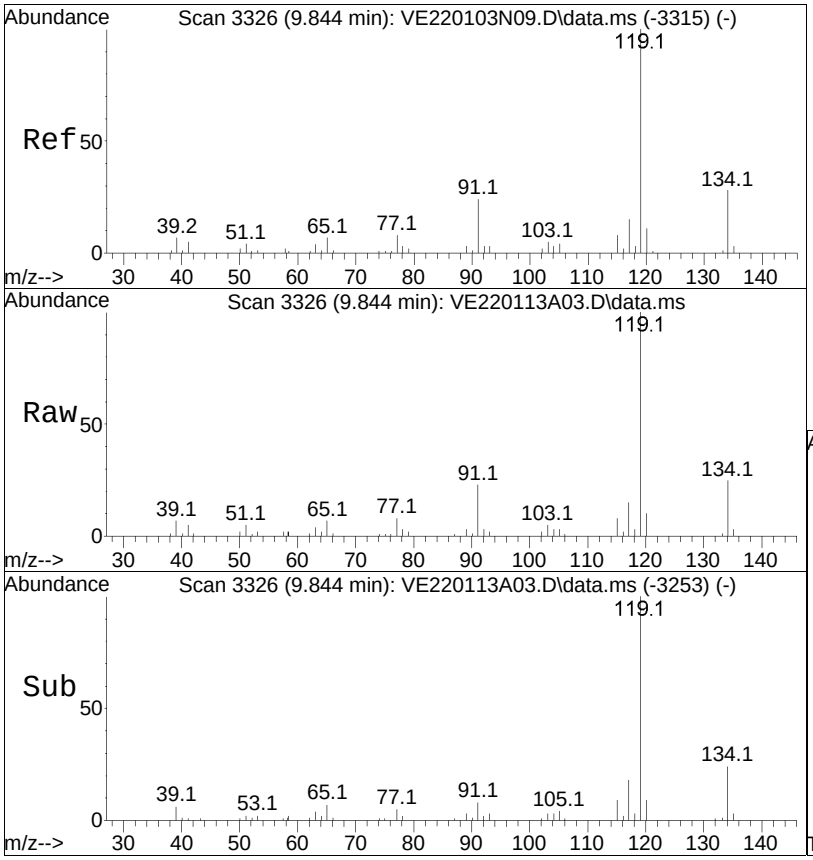


#98
sec-Butylbenzene
Concen: 9.90 ug/L
RT: 9.755 min Scan# 3294
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:105 Resp: 97237

Ion	Ratio	Lower	Upper
105	100		
134	20.4	12.5	26.1

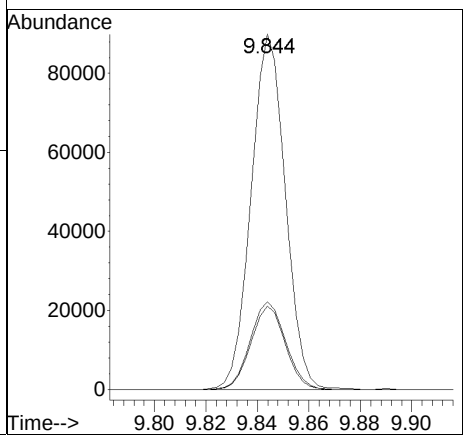


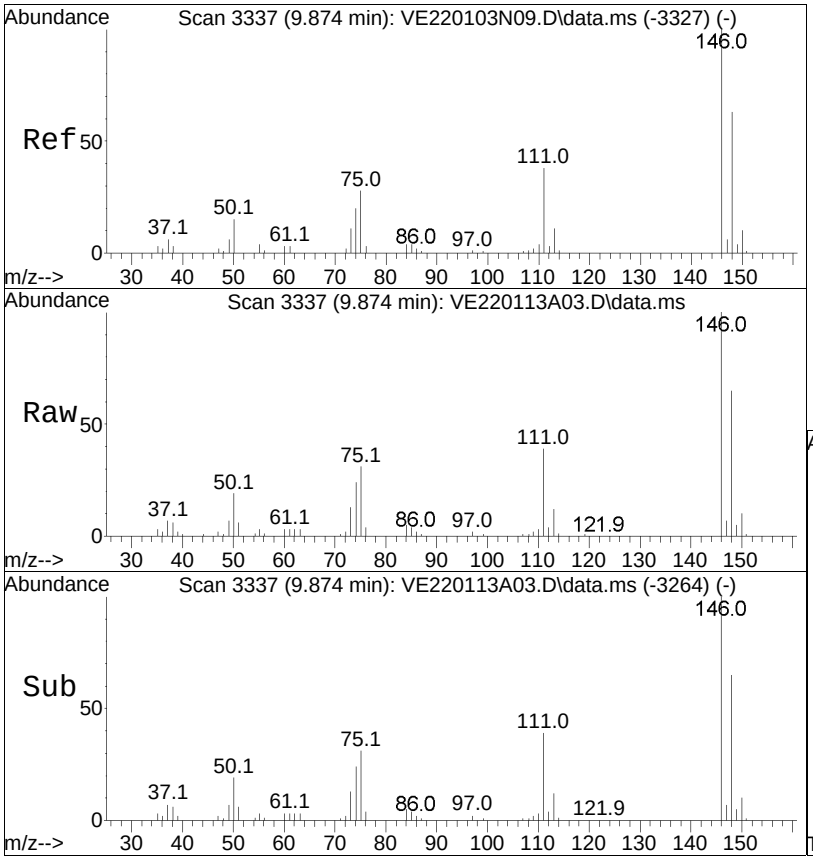


#99
p-Isopropyltoluene
Concen: 10.00 ug/L
RT: 9.844 min Scan# 3326
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:119 Resp: 83007

Ion	Ratio	Lower	Upper
119	100		
134	25.4	16.1	33.3
91	23.5	17.3	35.9

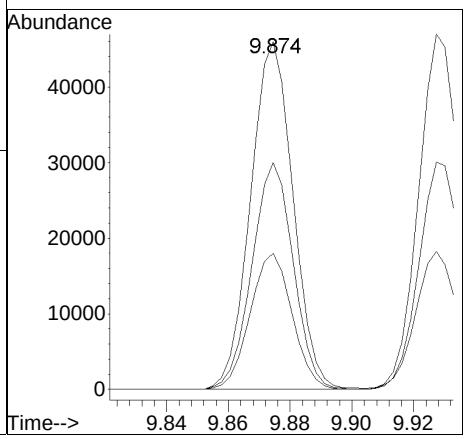


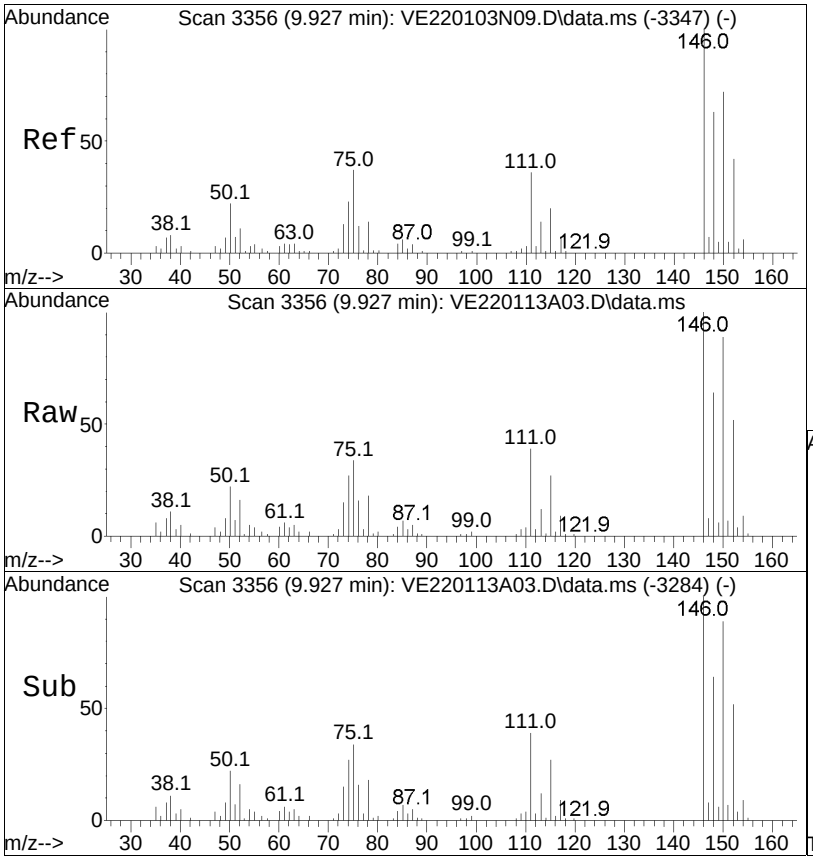


#100
1,3-Dichlorobenzene
Concen: 10.05 ug/L
RT: 9.874 min Scan# 3337
Delta R.T. 0.002 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:146 Resp: 43878

Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.5	57.1
148	63.5	41.9	86.9

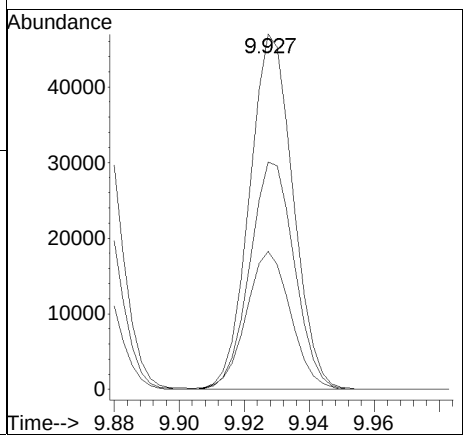


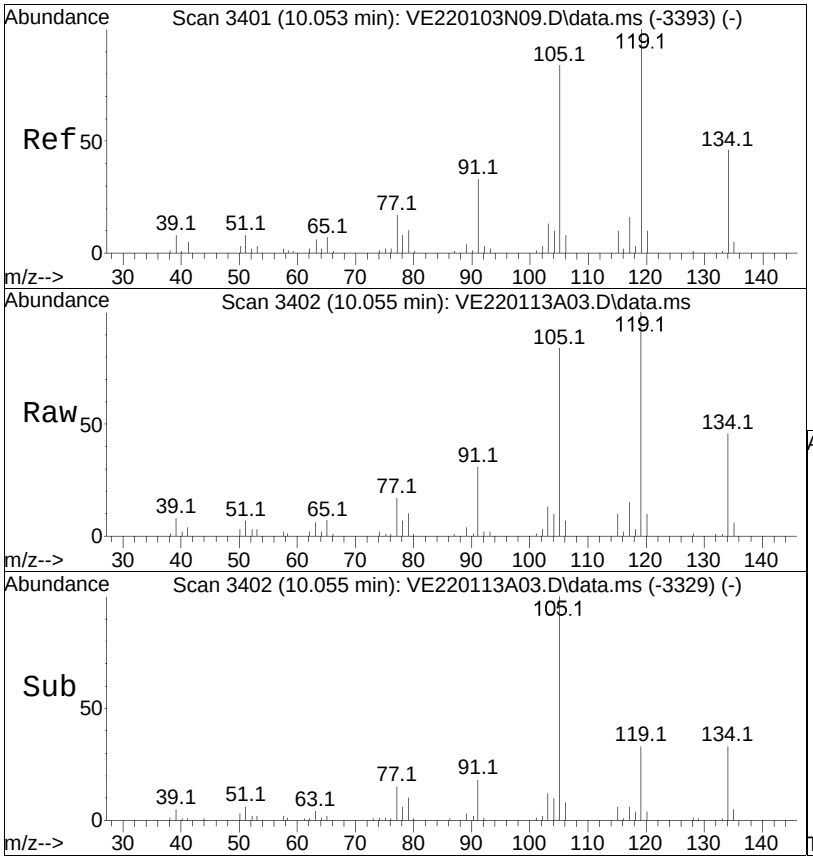


#101
1,4-Dichlorobenzene
Concen: 9.98 ug/L
RT: 9.927 min Scan# 3356
Delta R.T. 0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:146 Resp: 43815

Ion	Ratio	Lower	Upper
146	100		
111	39.4	32.3	48.5
148	65.4	49.9	74.9

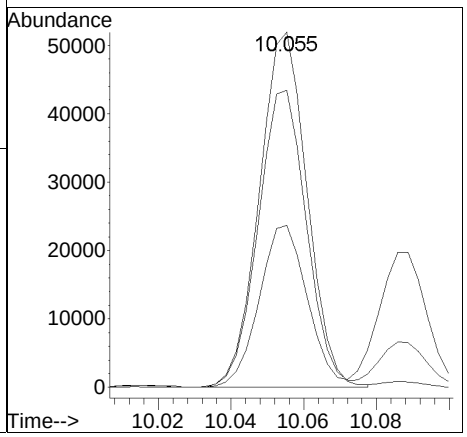


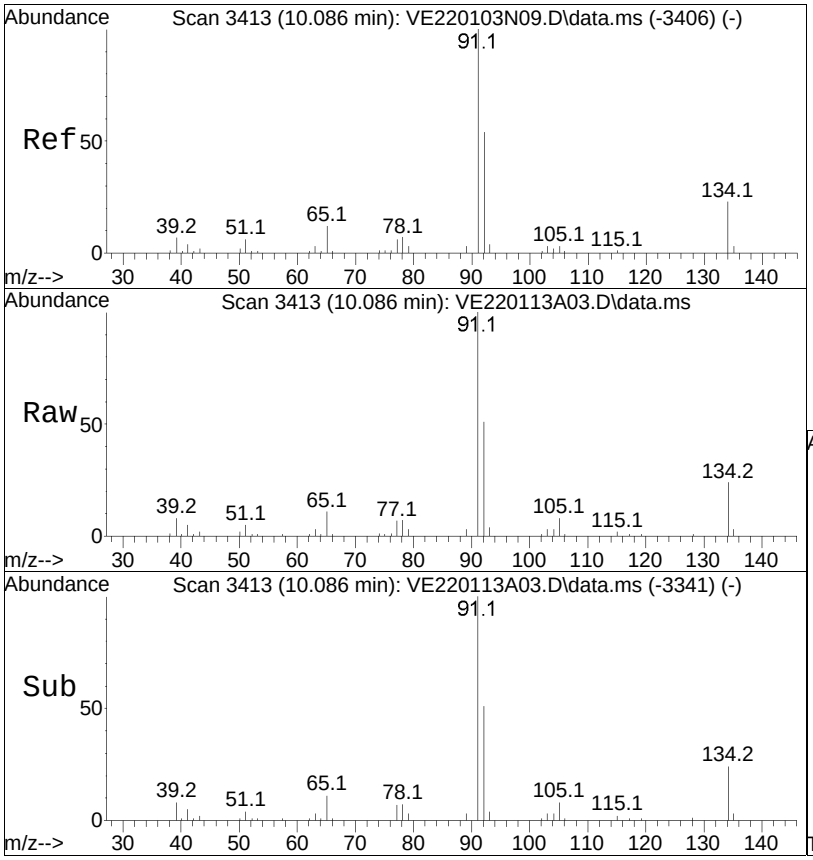


#102
p-Diethylbenzene
Concen: 9.69 ug/L
RT: 10.055 min Scan# 3402
Delta R.T. 0.002 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:119 Resp: 47465

Ion	Ratio	Lower	Upper
119	100		
105	84.6	59.5	123.7
134	46.1	30.2	62.6

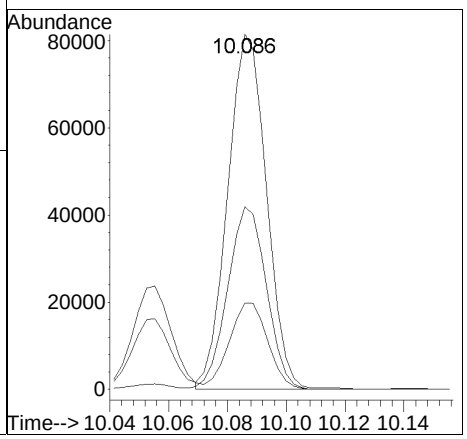


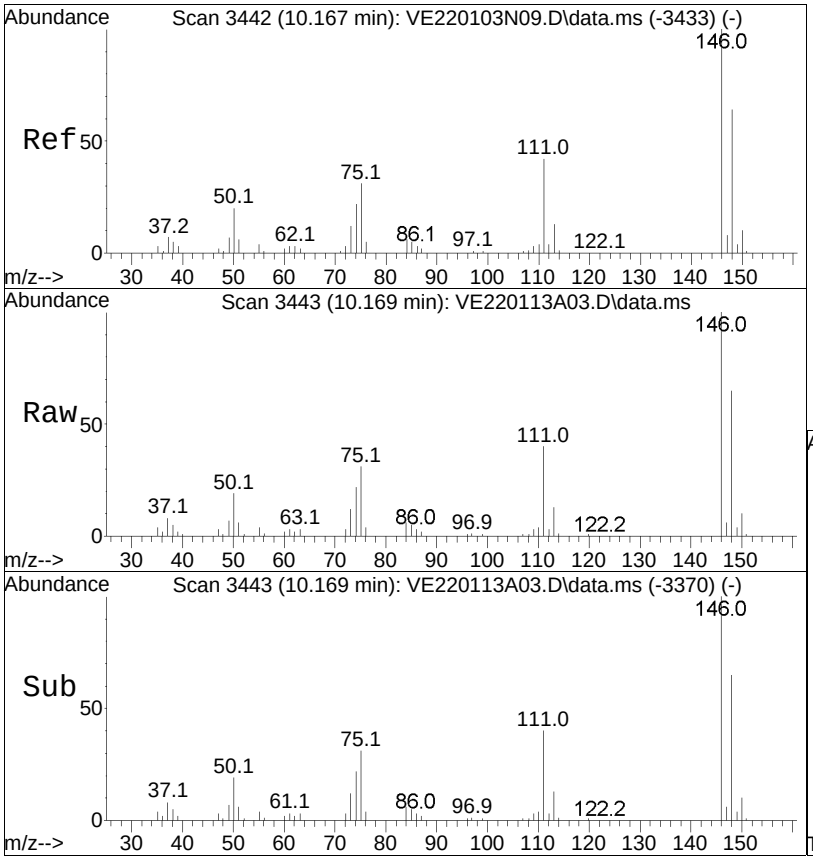


#103
n-Butylbenzene
Concen: 10.46 ug/L
RT: 10.086 min Scan# 3413
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion: 91 Resp: 74560

Ion	Ratio	Lower	Upper
91	100		
92	51.5	43.0	64.4
134	24.1	19.6	29.4

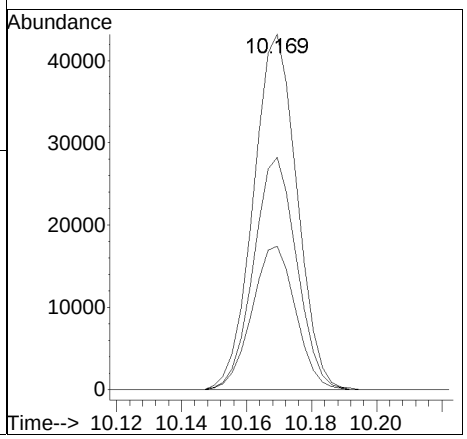


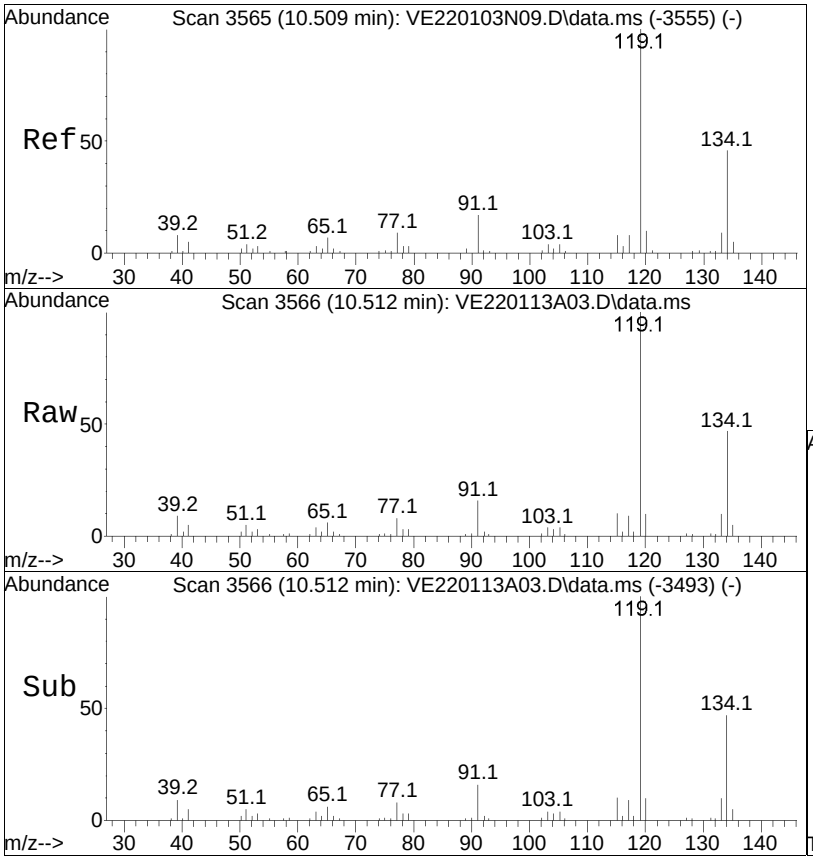


#104
1,2-Dichlorobenzene
Concen: 9.99 ug/L
RT: 10.169 min Scan# 3443
Delta R.T. 0.002 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:146 Resp: 40273

Ion	Ratio	Lower	Upper
146	100		
111	40.4	28.3	58.7
148	64.4	42.3	87.8

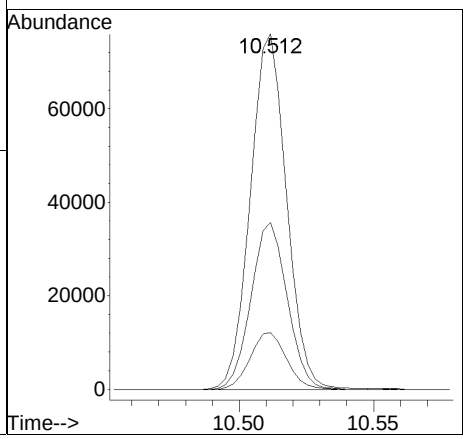


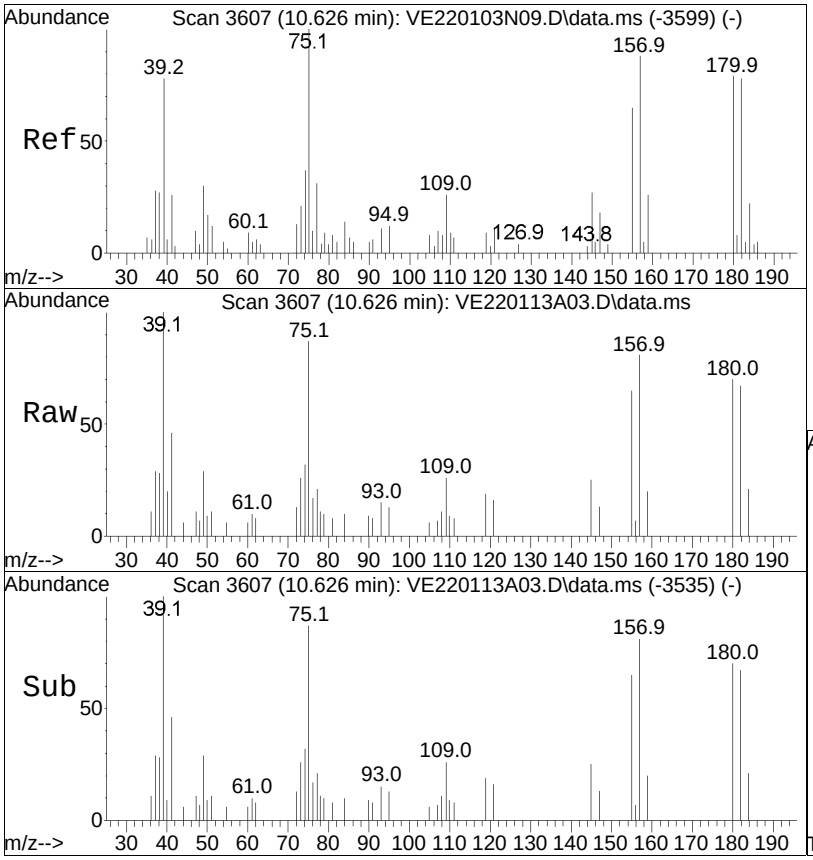


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.52 ug/L
RT: 10.512 min Scan# 3566
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:119 Resp: 71076

Ion	Ratio	Lower	Upper
119	100		
134	47.1	30.5	63.3
91	16.1	12.4	25.7

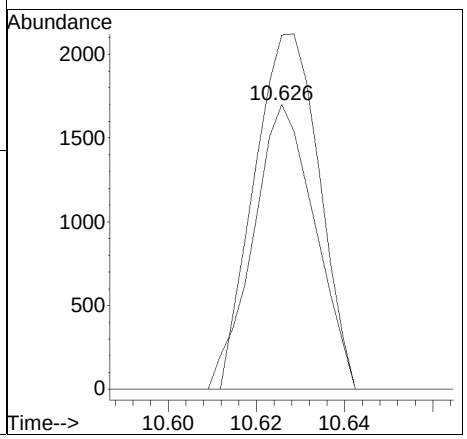


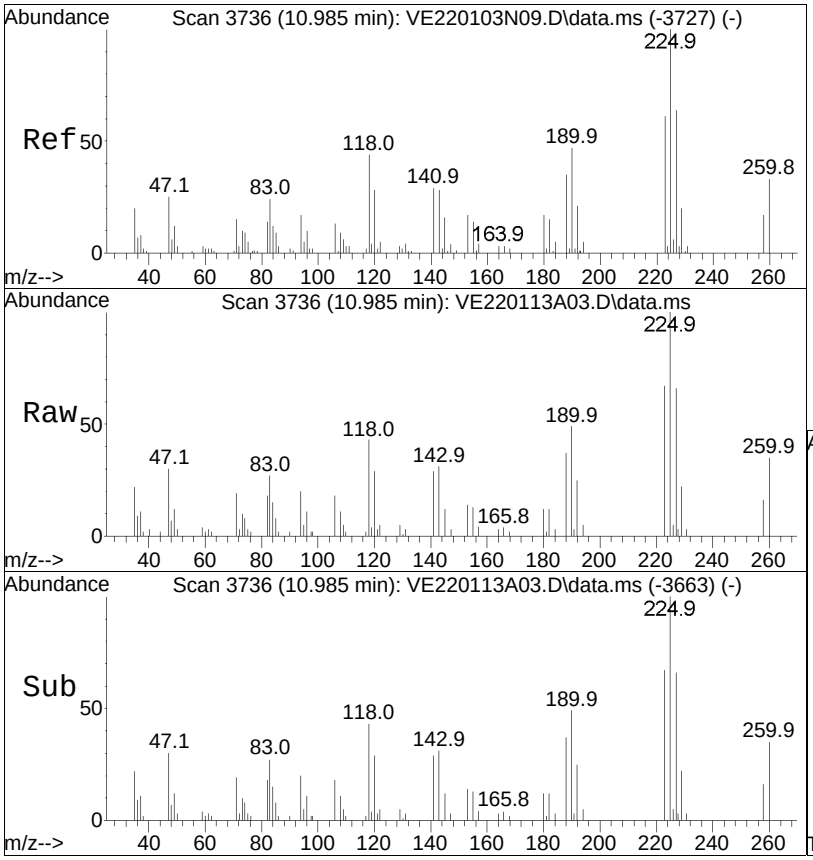


#106
1,2-Dibromo-3-chloropropane
Concen: 7.69 ug/L
RT: 10.626 min Scan# 3607
Delta R.T. -0.000 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:155 Resp: 1659

Ion	Ratio	Lower	Upper
155	100		
157	130.9	94.8	142.2

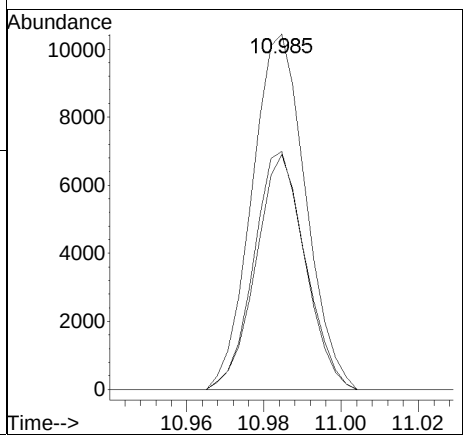


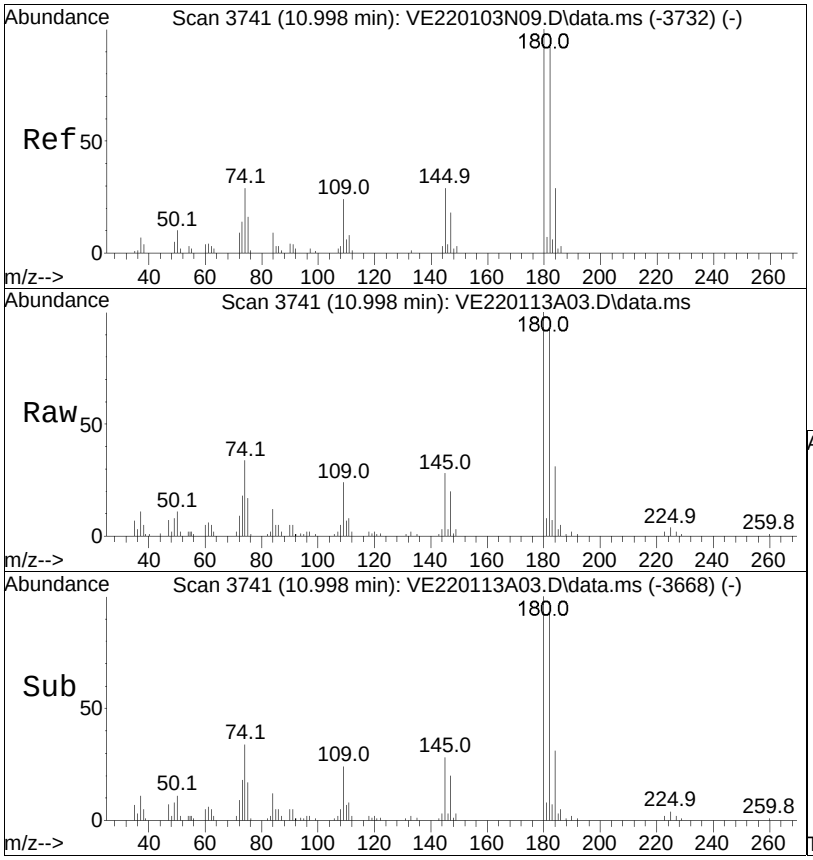


#108
Hexachlorobutadiene
Concen: 9.69 ug/L
RT: 10.985 min Scan# 3736
Delta R.T. 0.003 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:225 Resp: 10098

Ion	Ratio	Lower	Upper
225	100		
223	63.3	54.3	81.5
227	61.3	52.4	78.6

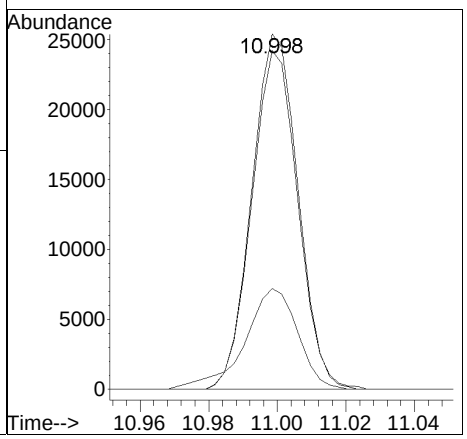


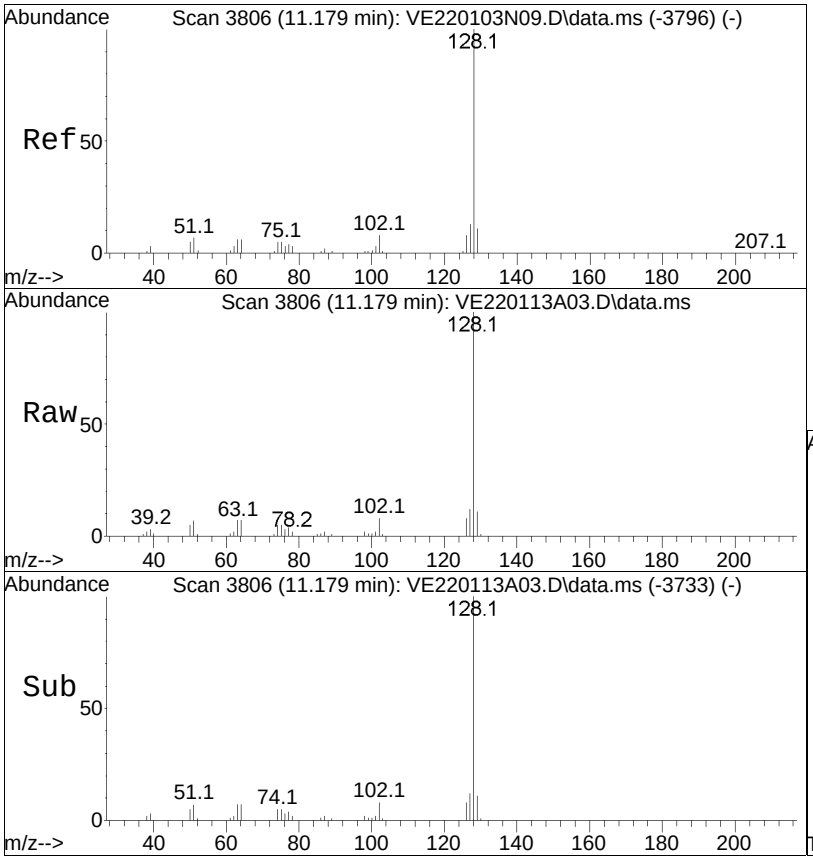


#109
1,2,4-Trichlorobenzene
Concen: 9.45 ug/L
RT: 10.998 min Scan# 3741
Delta R.T. 0.002 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:180 Resp: 23760

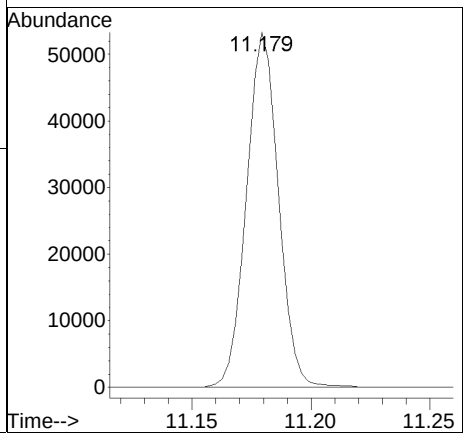
Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.3	115.9
145	32.6	28.1	42.1

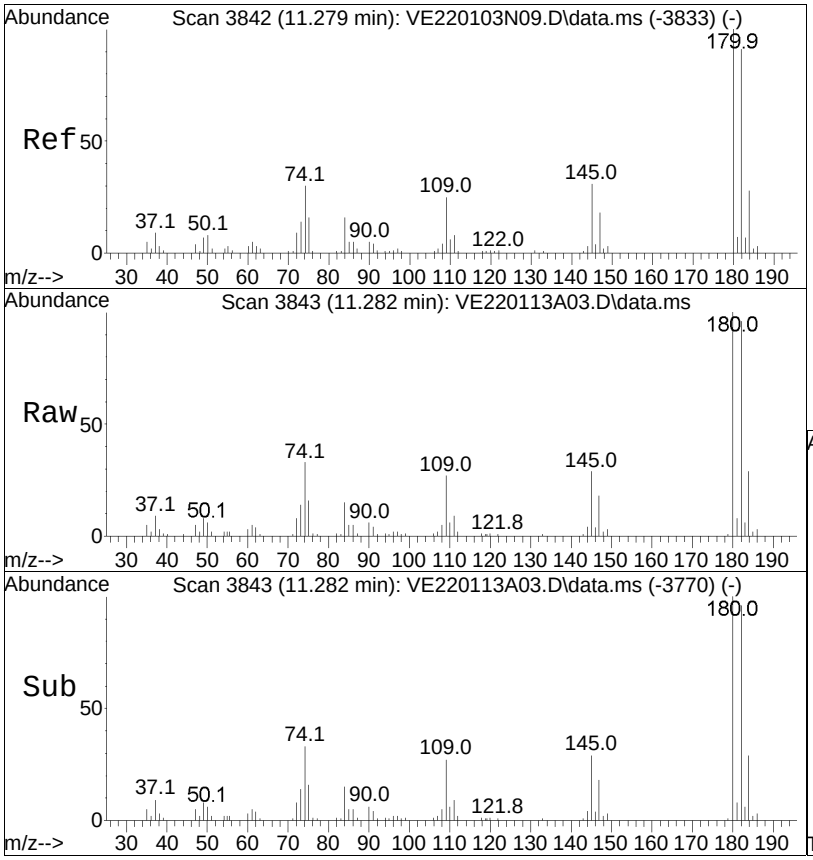




#110
Naphthalene
Concen: 10.21 ug/L
RT: 11.179 min Scan# 3806
Delta R.T. 0.002 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:128 Resp: 49961

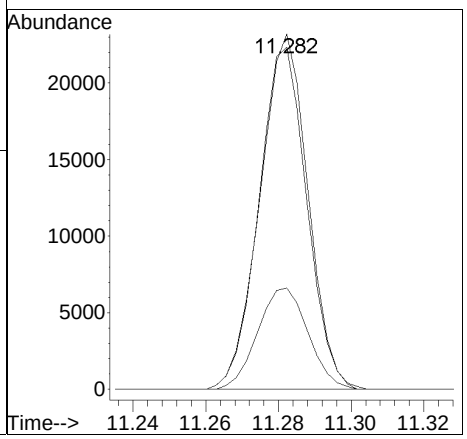




#111
1,2,3-Trichlorobenzene
Concen: 9.90 ug/L
RT: 11.282 min Scan# 3843
Delta R.T. 0.002 min
Lab File: VE220113A03.D
Acq: 13 Jan 2022 11:17 am

Tgt Ion:180 Resp: 21189

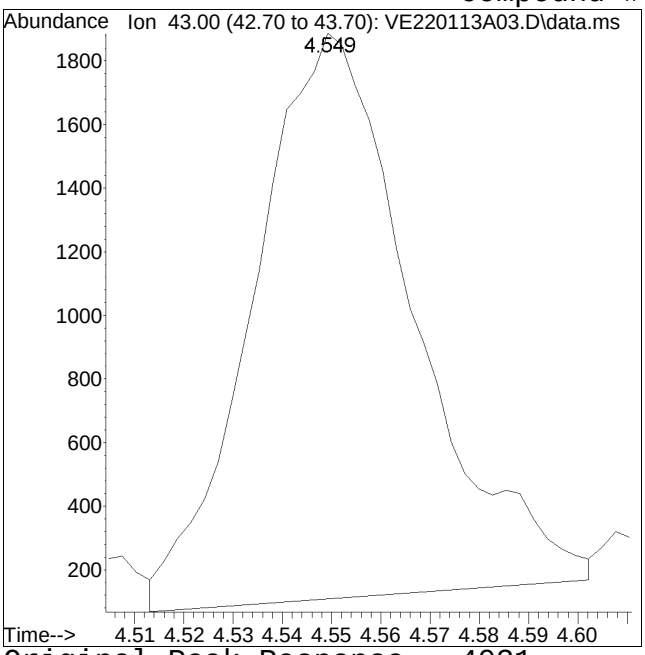
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.4	114.6
145	30.1	26.4	39.6



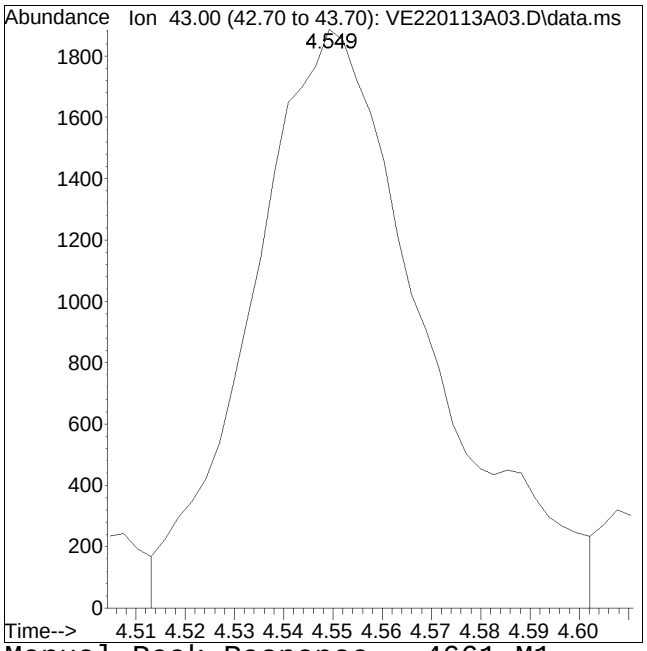
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220103N_8260.m
Data File : VE220113A03.D Operator : ELAINE:PD
Date Inj'd : 1/13/2022 11:17 am Instrument : Elaine
Sample : WG1594142-4,31,10,10 Quant Date : 1/13/2022 11:58 am

Compound #39: 2-Butanone



Original Peak Response = 4031



Manual Peak Response = 4661 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A27.D
Acq On : 13 Jan 2022 7:25 pm
Operator : ELAINE:PD
Sample : WG1594142-6,31,10,10,,A1,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:50:13 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.356	96	116634	10.000	ug/L		0.00
Standard Area 1 = 117975			Recovery = 98.86%				
59) Chlorobenzene-d5	8.417	117	86543	10.000	ug/L		0.00
Standard Area 1 = 86573			Recovery = 99.97%				
79) 1,4-Dichlorobenzene-d4	9.919	152	46805	10.000	ug/L		0.00
Standard Area 1 = 45323			Recovery = 103.27%				
System Monitoring Compounds							
36) Dibromofluoromethane	4.354	113	28931	10.572	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.72%				
43) 1,2-Dichloroethane-d4	5.008	65	30095	10.270	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.70%				
60) Toluene-d8	7.081	98	112789	9.835	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.35%				
83) 4-Bromofluorobenzene	9.246	95	39759	9.973	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.73%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.910	85	39173	13.219	ug/L		99
3) Chloromethane	1.024	50	21727	9.731	ug/L		98
4) Vinyl chloride	1.074	62	45879	18.303	ug/L		93
5) Bromomethane	1.272	94	15745	10.925	ug/L		98
6) Chloroethane	1.350	64	33657	19.876	ug/L		94
7) Trichlorofluoromethane	1.441	101	61180	15.087	ug/L		97
8) Ethyl ether	1.664	74	10317	11.366	ug/L	#	54
10) 1,1-Dichloroethene	1.792	96	19455	10.622	ug/L	#	62
11) Carbon disulfide	1.798	76	49454	10.661	ug/L		99
15) Methylene chloride	2.259	84	20886	10.280	ug/L		70
17) Acetone	2.318	43	2945	10.363	ug/L	#	74
18) trans-1,2-Dichloroethene	2.399	96	337893	170.317	ug/L		73
20) Methyl tert-butyl ether	2.513	73	39472	9.396	ug/L		94
23) 1,1-Dichloroethane	3.008	63	38465	10.369	ug/L		98
25) Acrylonitrile	3.086	53	4093	9.762	ug/L		99
27) Vinyl acetate	3.364	43	22233	6.517	ug/L		97
28) cis-1,2-Dichloroethene	3.673	96	220733	100.216	ug/L	#	69
29) 2,2-Dichloropropane	3.804	77	17054	5.295	ug/L	#	49
30) Bromochloromethane	3.940	128	9163	9.788	ug/L	#	64
32) Chloroform	4.104	83	38021	10.546	ug/L		99

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A27.D
Acq On : 13 Jan 2022 7:25 pm
Operator : ELAINE:PD
Sample : WG1594142-6,31,10,10,,A1,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:50:13 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.215	117	20675	7.854	ug/L		95
37) 1,1,1-Trichloroethane	4.321	97	28588	9.159	ug/L	#	96
39) 2-Butanone	4.549	43	4066	9.763	ug/L	#	73
40) 1,1-Dichloropropene	4.502	75	26843	10.104	ug/L		96
41) Benzene	4.819	78	83947	10.292	ug/L	#	88
44) 1,2-Dichloroethane	5.095	62	23470	10.192	ug/L		92
48) Trichloroethene	5.554	95	24301	11.692	ug/L		94
50) Dibromomethane	6.015	93	10120	9.837	ug/L		96
51) 1,2-Dichloropropane	6.127	63	18563	9.133	ug/L		98
54) Bromodichloromethane	6.244	83	24088	8.980	ug/L		99
57) 1,4-Dioxane	6.466	88	5037	760.217	ug/L	#	76
58) cis-1,3-Dichloropropene	6.909	75	22296	7.433	ug/L		93
61) Toluene	7.131	92	52954	9.954	ug/L		99
62) 4-Methyl-2-pentanone	7.560	58	3729	10.115	ug/L	#	82
63) Tetrachloroethene	7.496	166	24105	11.172	ug/L		90
65) trans-1,3-Dichloropropene	7.576	75	14386	5.821	ug/L		89
68) 1,1,2-Trichloroethane	7.713	83	12129	10.454	ug/L		97
69) Chlorodibromomethane	7.846	129	13407	8.194	ug/L		98
70) 1,3-Dichloropropane	7.927	76	24874	10.004	ug/L		97
71) 1,2-Dibromoethane	8.008	107	11481	8.533	ug/L		100
72) 2-Hexanone	8.261	43	6506	9.719	ug/L		95
73) Chlorobenzene	8.428	112	57157	10.432	ug/L		92
74) Ethylbenzene	8.467	91	131381	13.033	ug/L		100
75) 1,1,1,2-Tetrachloroethane	8.489	131	14746	7.675	ug/L		91
76) p/m Xylene	8.578	106	80530	20.707	ug/L		93
77) o Xylene	8.864	106	76865	20.885	ug/L		92
78) Styrene	8.903	104	118878	19.684	ug/L		89
80) Bromoform	8.909	173	7386	7.424	ug/L		98
82) Isopropylbenzene	9.076	105	116044	11.988	ug/L		97
84) Bromobenzene	9.301	156	21998	9.646	ug/L		92
85) n-Propylbenzene	9.337	91	123796	11.042	ug/L		98
87) 1,1,2,2-Tetrachloroethane	9.399	83	15963	10.662	ug/L		93
88) 4-Ethyltoluene	9.410	105	97260	10.371	ug/L		97
89) 2-Chlorotoluene	9.424	91	79277	10.259	ug/L		96
90) 1,3,5-Trimethylbenzene	9.465	105	83081	10.409	ug/L		93
91) 1,2,3-Trichloropropane	9.465	75	13975	11.290	ug/L		94
92) trans-1,4-Dichloro-2-b...	9.499	53	3282M4	7.366	ug/L		
93) 4-Chlorotoluene	9.527	91	69560	10.074	ug/L		94
94) tert-Butylbenzene	9.649	119	70287	10.369	ug/L		94

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A27.D
Acq On : 13 Jan 2022 7:25 pm
Operator : ELAINE:PD
Sample : WG1594142-6,31,10,10,,A1,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:50:13 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	9.694	105	84729	10.704	ug/L	93
98) sec-Butylbenzene	9.755	105	112304	11.246	ug/L	97
99) p-Isopropyltoluene	9.844	119	87667	10.389	ug/L	95
100) 1,3-Dichlorobenzene	9.874	146	42947	9.674	ug/L	99
101) 1,4-Dichlorobenzene	9.927	146	43701	9.790	ug/L	96
102) p-Diethylbenzene	10.052	119	50542	10.144	ug/L	96
103) n-Butylbenzene	10.086	91	76700	10.587	ug/L	98
104) 1,2-Dichlorobenzene	10.169	146	39360	9.601	ug/L	99
105) 1,2,4,5-Tetramethylben...	10.509	119	77178	10.170	ug/L	96
106) 1,2-Dibromo-3-chloropr...	10.626	155	1445	6.637	ug/L	99
108) Hexachlorobutadiene	10.985	225	10310	9.735	ug/L	95
109) 1,2,4-Trichlorobenzene	10.998	180	26081	10.201	ug/L	99
110) Naphthalene	11.179	128	63572	12.781	ug/L	100
111) 1,2,3-Trichlorobenzene	11.282	180	23279	10.692	ug/L	94

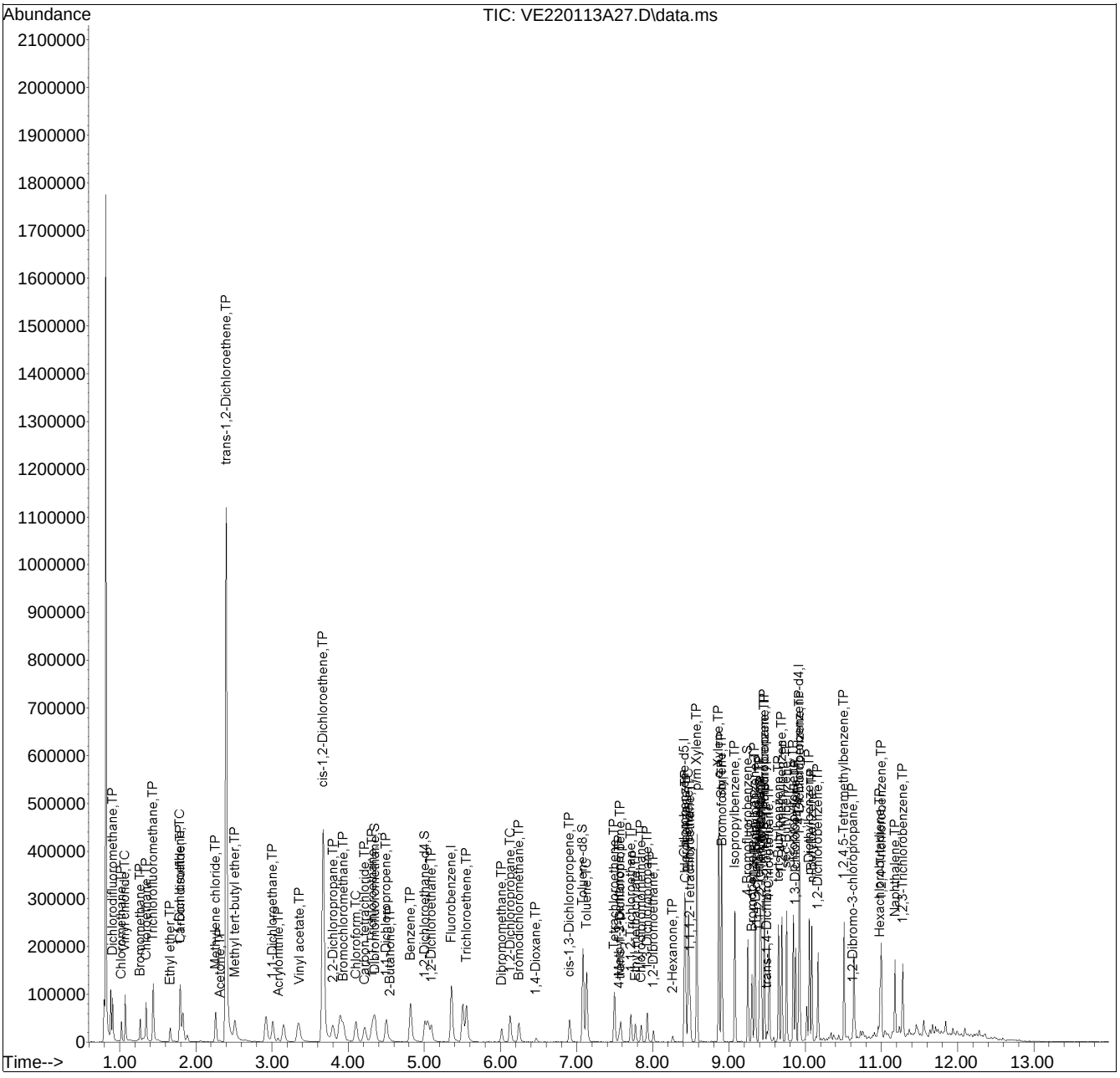
(#) = qualifier out of range (m) = manual integration (+) = signals summed

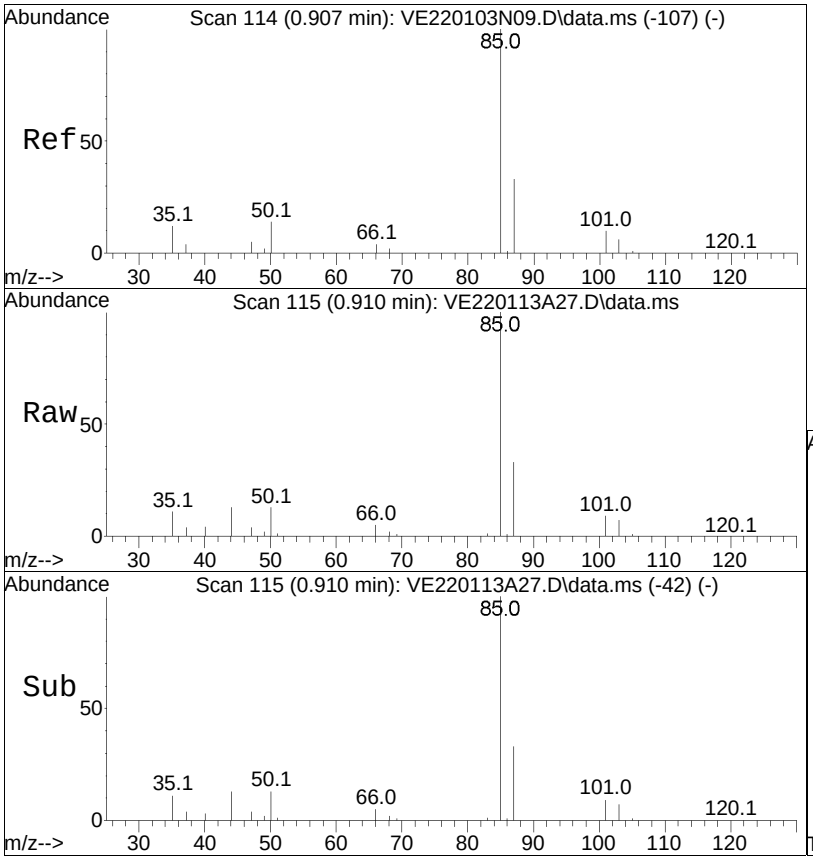
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A27.D
Acq On : 13 Jan 2022 7:25 pm
Operator : ELAINE:PD
Sample : WG1594142-6,31,10,10,,A1,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:50:13 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20113A\VE220113A02.D•

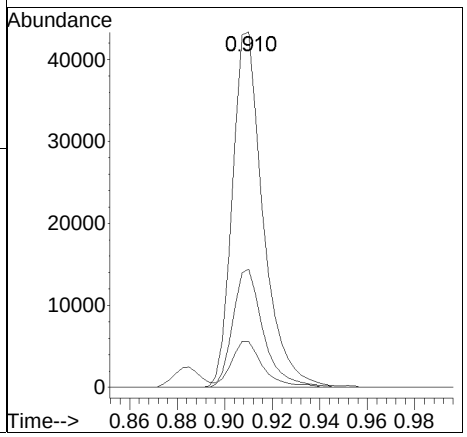


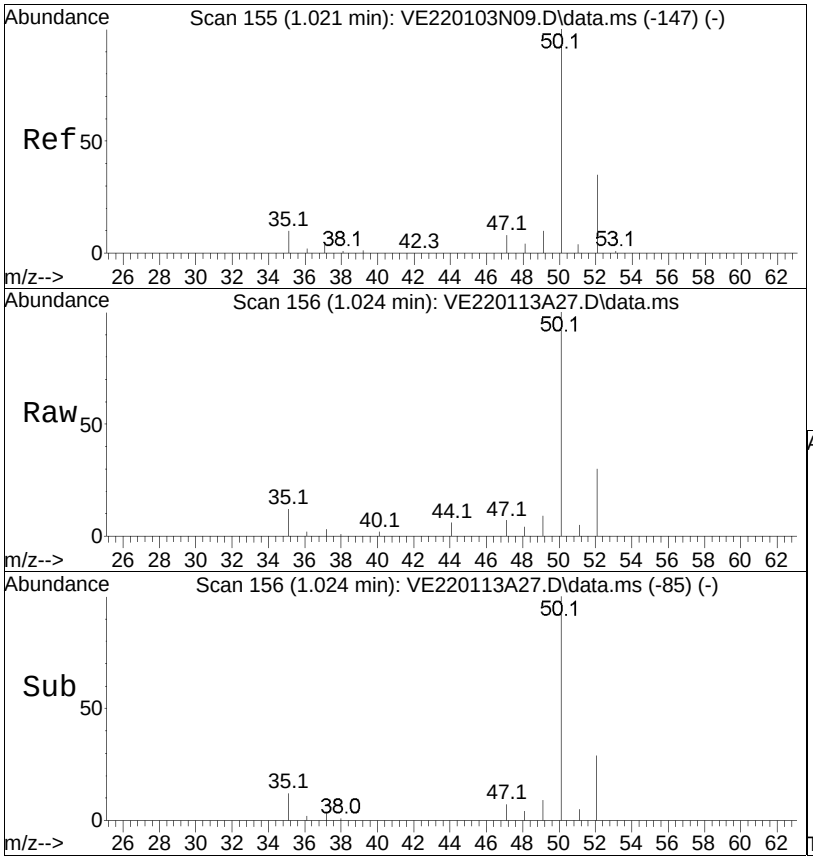


#2
Dichlorodifluoromethane
Concen: 13.22 ug/L
RT: 0.910 min Scan# 115
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 85 Resp: 39173

Ion	Ratio	Lower	Upper
85	100		
87	33.0	21.0	43.6
50	13.2	8.9	18.5

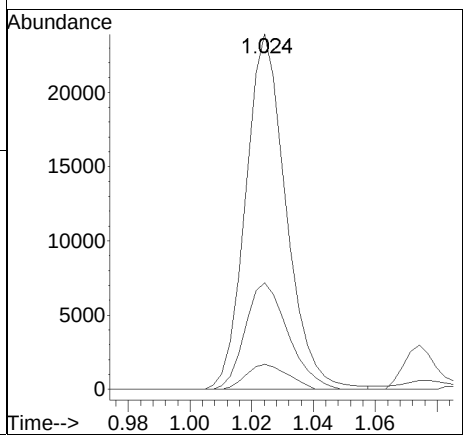


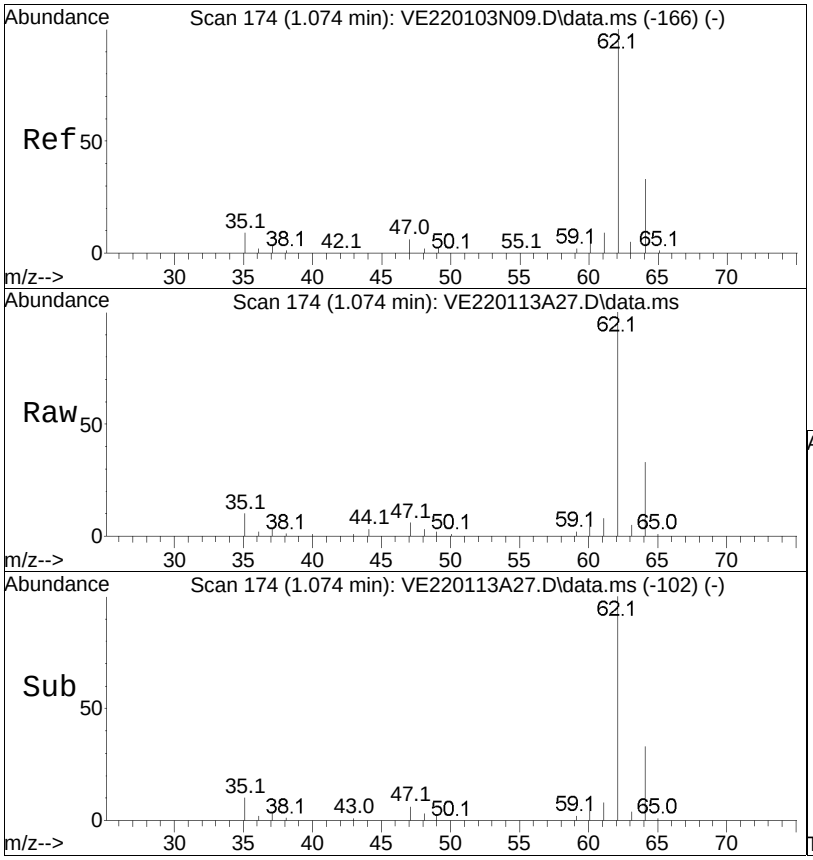


#3
Chloromethane
Concen: 9.73 ug/L
RT: 1.024 min Scan# 156
Delta R.T. -0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 50 Resp: 21727

Ion	Ratio	Lower	Upper
50	100		
52	31.9	12.9	52.9
47	7.3	0.0	28.3

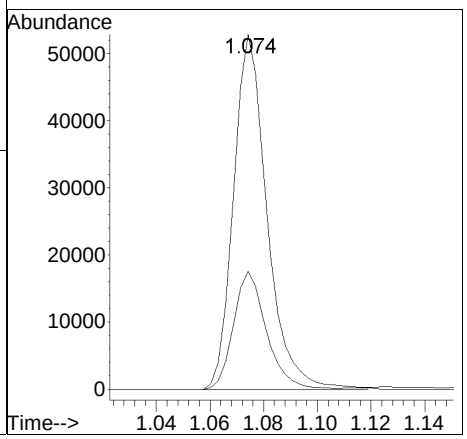


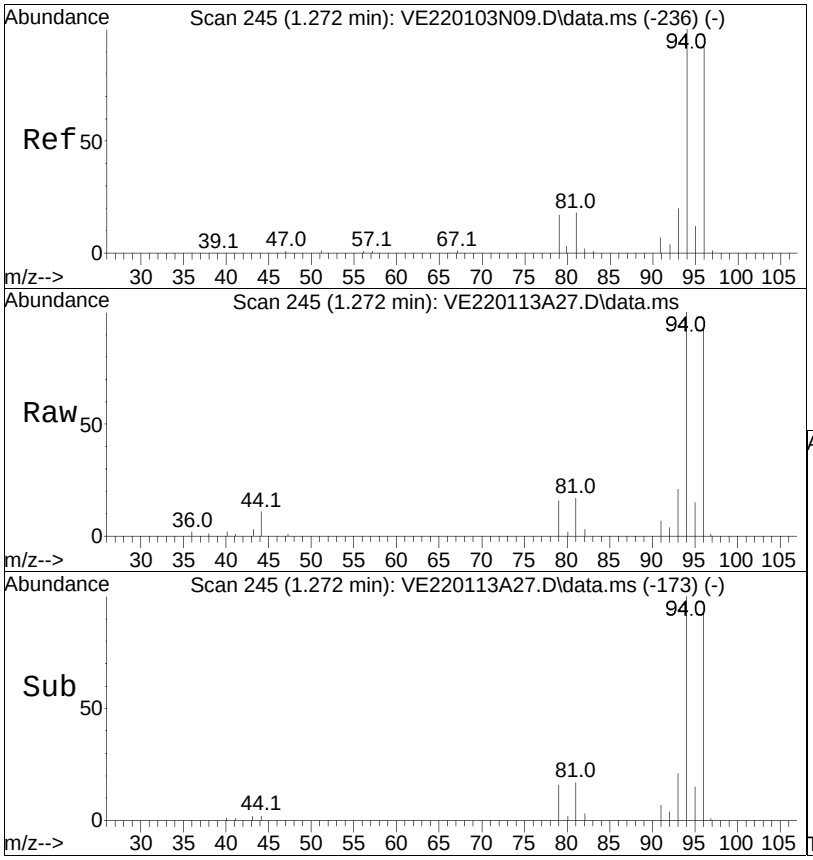


#4
Vinyl chloride
Concen: 18.30 ug/L
RT: 1.074 min Scan# 174
Delta R.T. 0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 62 Resp: 45879

Ion	Ratio	Lower	Upper
62	100		
64	32.6	9.1	49.1

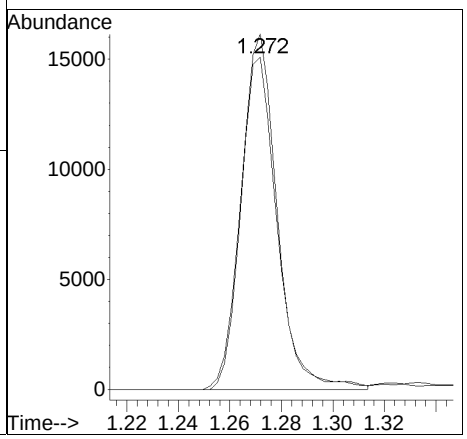


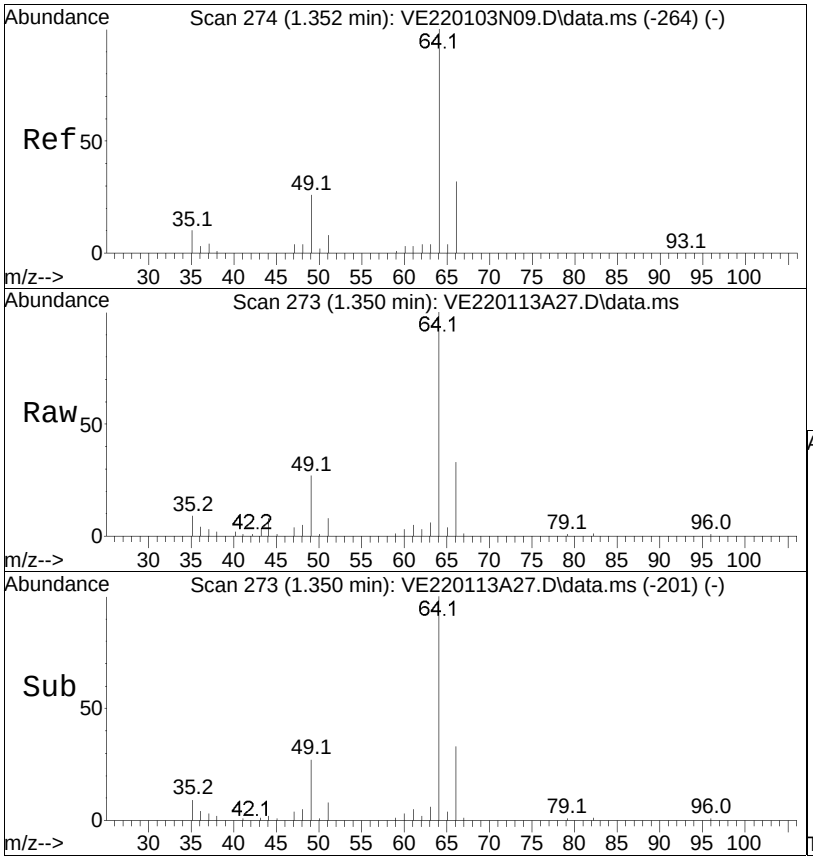


#5
Bromomethane
Concen: 10.93 ug/L
RT: 1.272 min Scan# 245
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 94 Resp: 15745

Ion	Ratio	Lower	Upper
94	100		
96	94.0	75.6	115.6

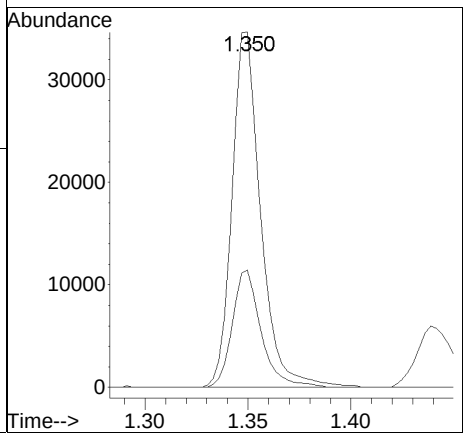


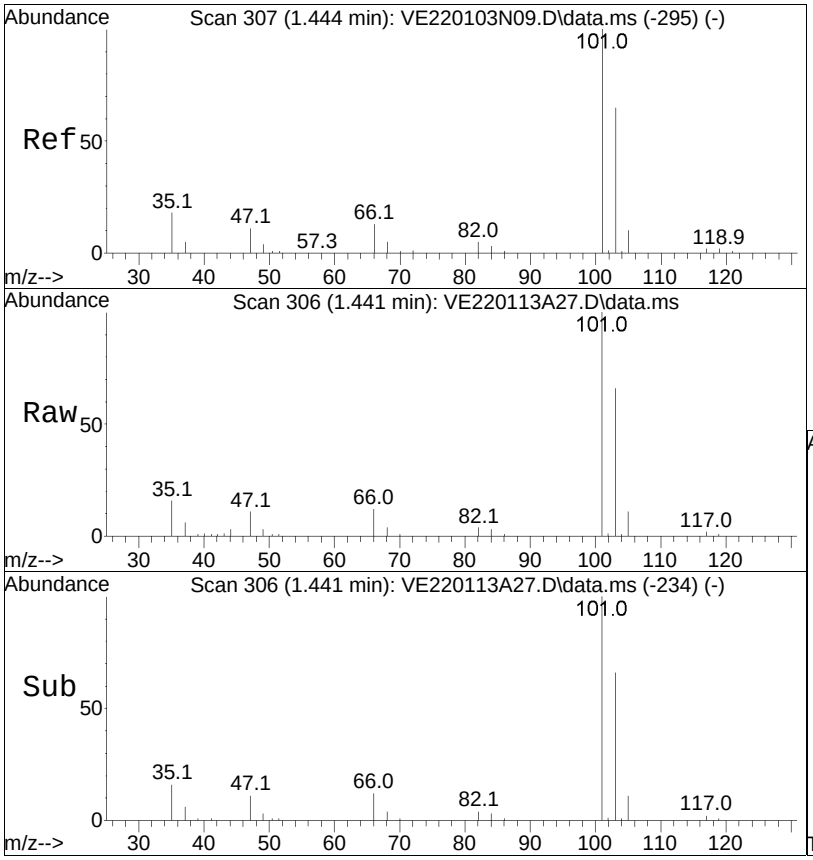


#6
Chloroethane
Concen: 19.88 ug/L
RT: 1.350 min Scan# 273
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 64 Resp: 33657

Ion	Ratio	Lower	Upper
64	100		
66	33.1	9.8	49.8

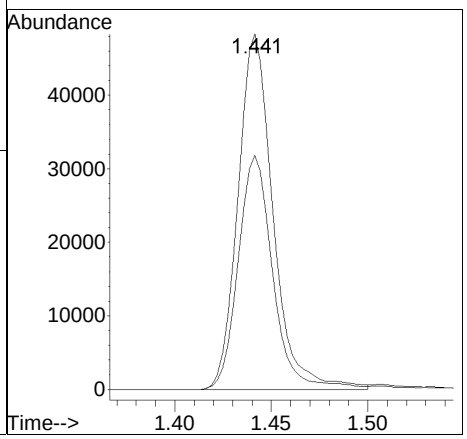


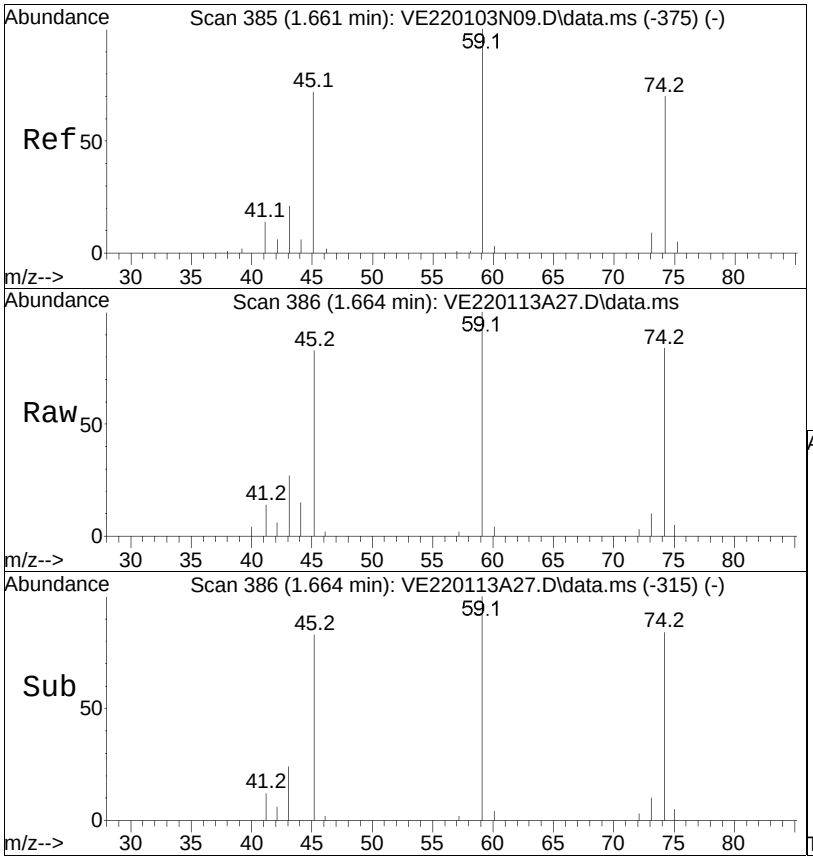


#7
Trichlorofluoromethane
Concen: 15.09 ug/L
RT: 1.441 min Scan# 306
Delta R.T. -0.001 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:101 Resp: 61180

Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.8	80.6

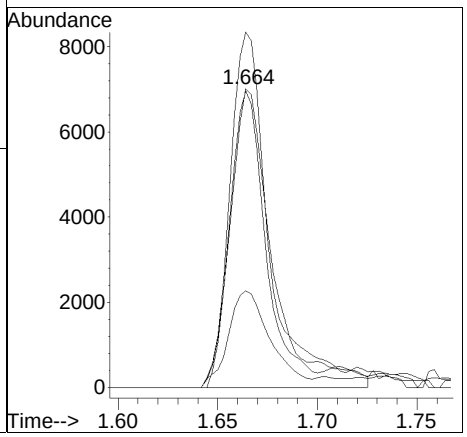


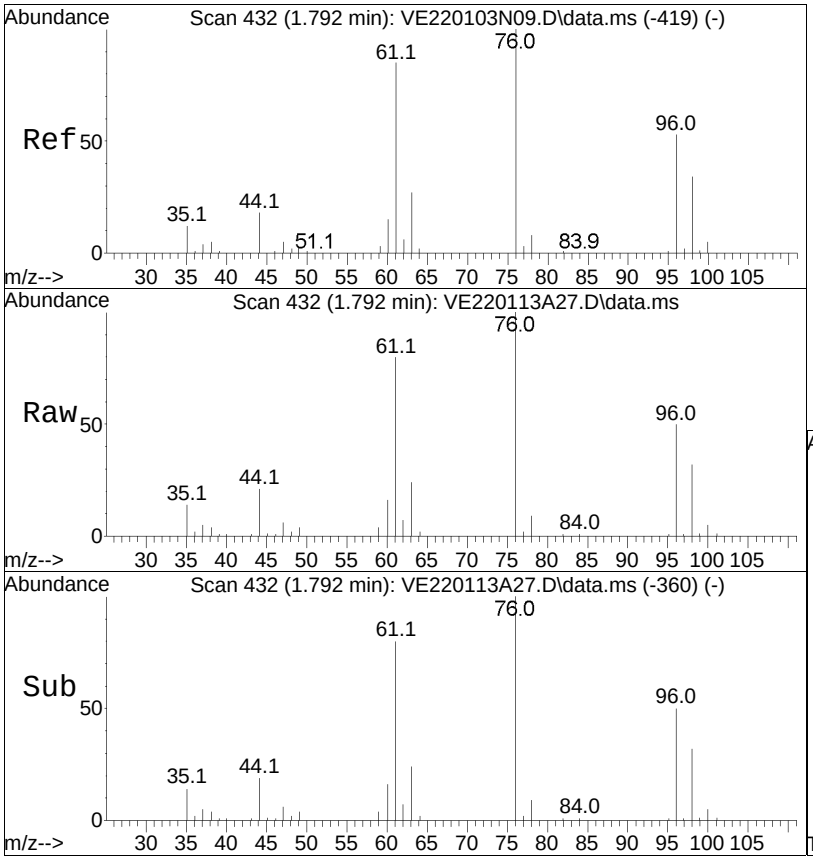


#8
Ethyl ether
Concen: 11.37 ug/L
RT: 1.664 min Scan# 386
Delta R.T. -0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 74 Resp: 10317

Ion	Ratio	Lower	Upper
74	100		
59	110.5	122.2	253.8#
45	85.6	91.9	190.9#
43	32.5	25.2	52.2

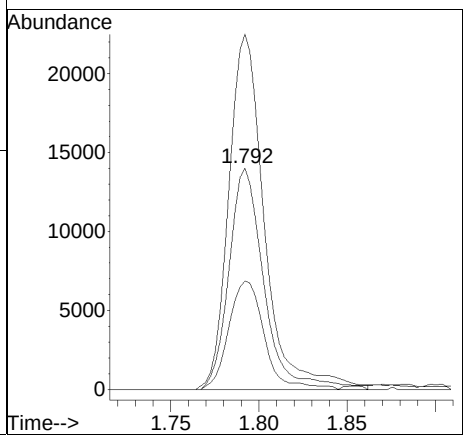


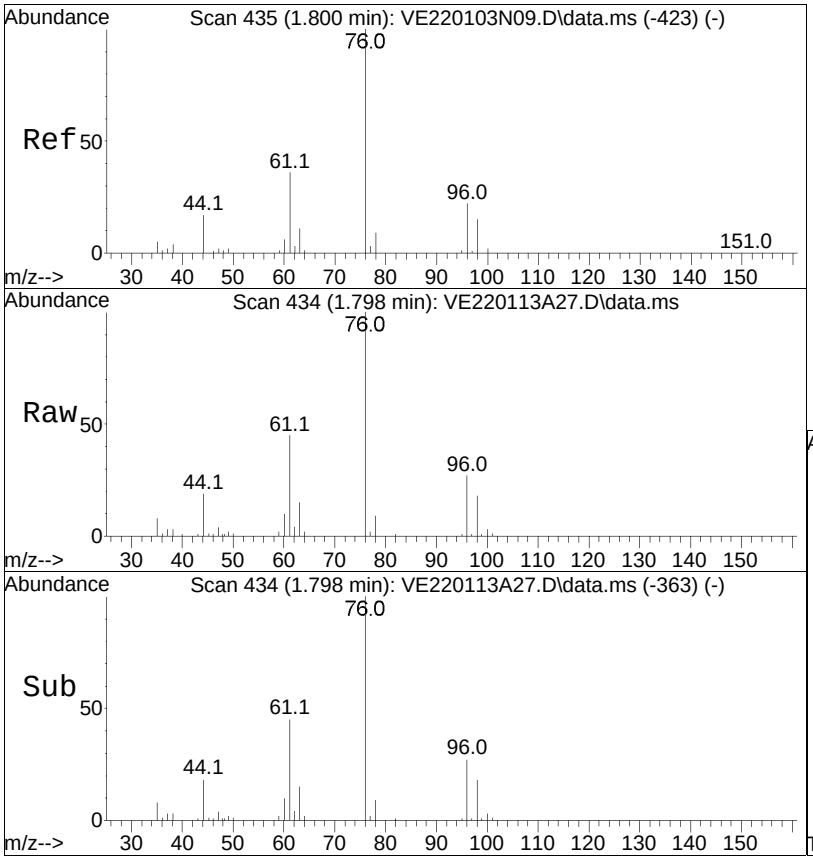


#10
1,1-Dichloroethene
Concen: 10.62 ug/L
RT: 1.792 min Scan# 432
Delta R.T. 0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 96 Resp: 19455

Ion	Ratio	Lower	Upper
96	100		
61	162.8	186.1	279.1#
63	49.5	57.6	86.4#

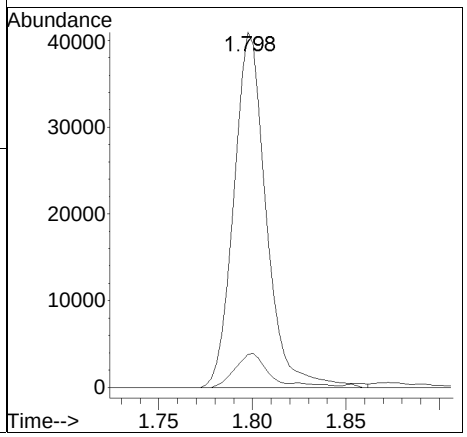


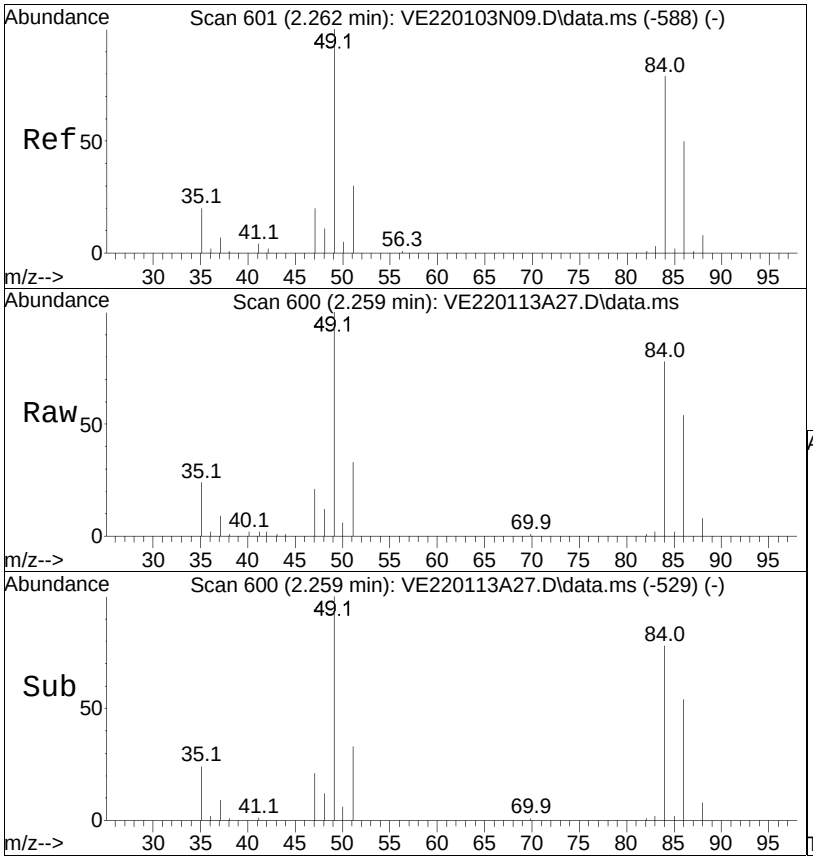


#11
Carbon disulfide
Concen: 10.66 ug/L
RT: 1.798 min Scan# 434
Delta R.T. -0.002 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 76 Resp: 49454

Ion	Ratio	Lower	Upper
76	100		
78	9.2	5.7	11.7

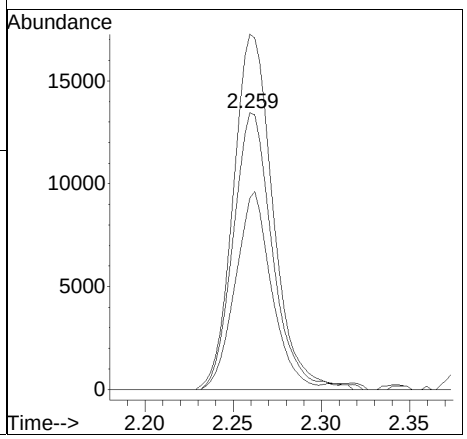


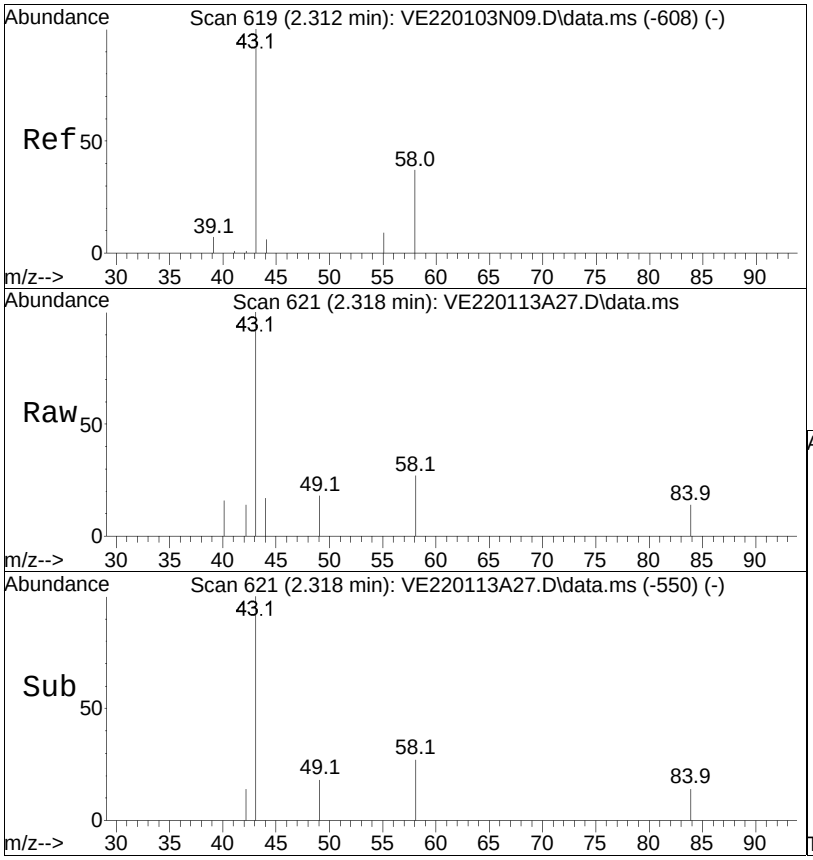


#15
Methylene chloride
Concen: 10.28 ug/L
RT: 2.259 min Scan# 600
Delta R.T. -0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 84 Resp: 20886

Ion	Ratio	Lower	Upper
84	100		
86	66.0	40.4	83.8
49	129.3	120.0	249.2

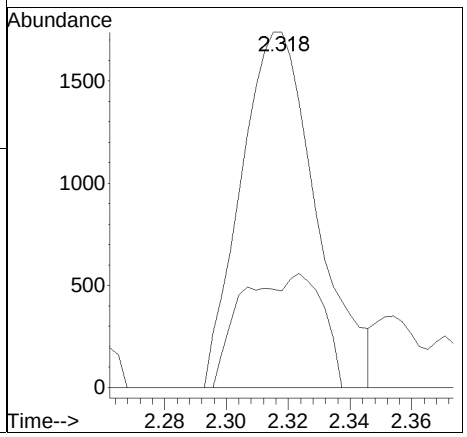


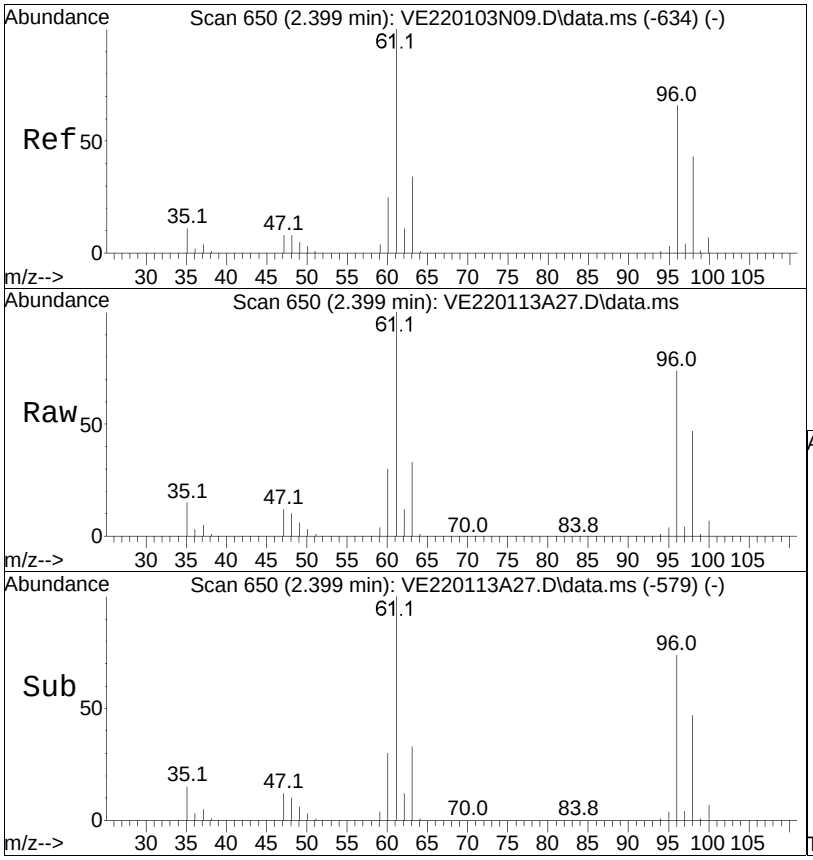


#17
Acetone
Concen: 10.36 ug/L
RT: 2.318 min Scan# 621
Delta R.T. -0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 43 Resp: 2945

Ion	Ratio	Lower	Upper
43	100		
58	16.2	24.2	36.4#

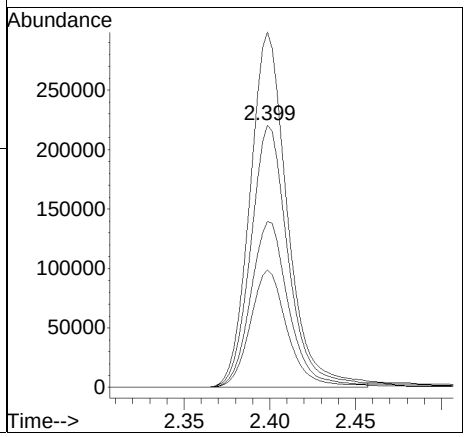


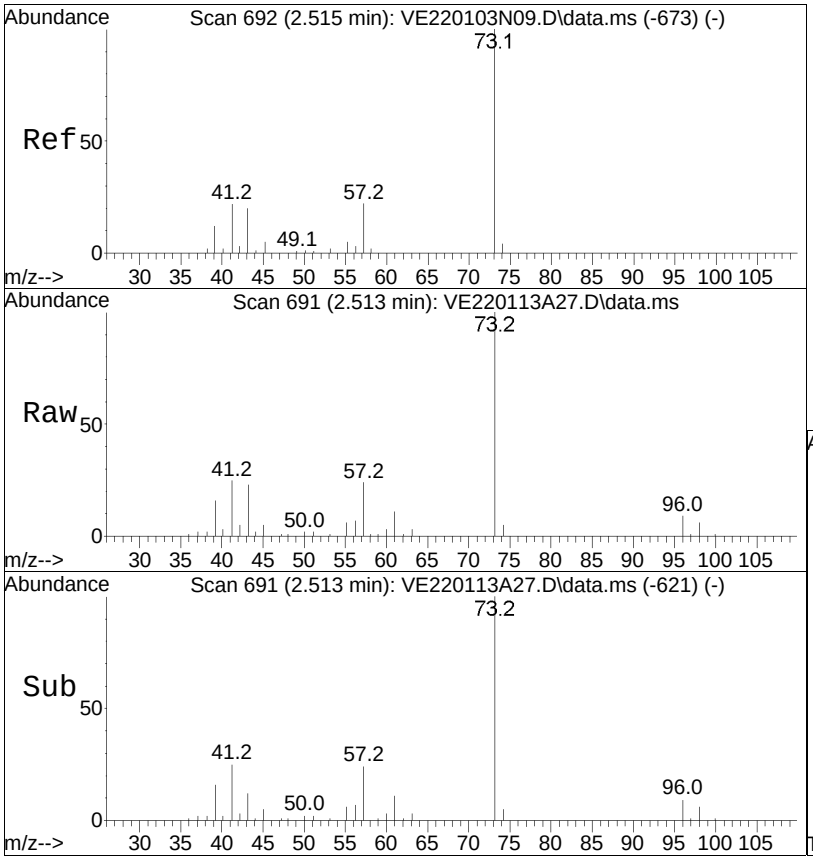


#18
trans-1,2-Dichloroethene
Concen: 170.32 ug/L
RT: 2.399 min Scan# 650
Delta R.T. -0.002 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 96 Resp: 337893

Ion	Ratio	Lower	Upper
96	100		
61	135.6	124.0	257.6
98	64.2	41.2	85.6
63	44.9	38.4	79.7

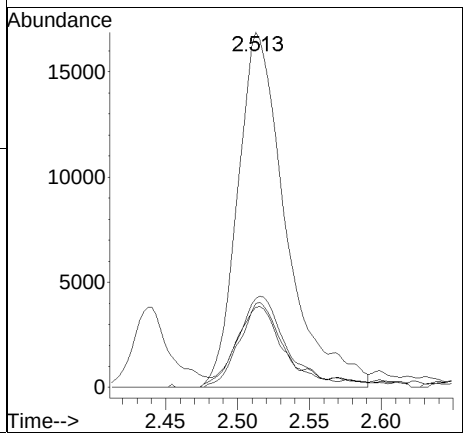


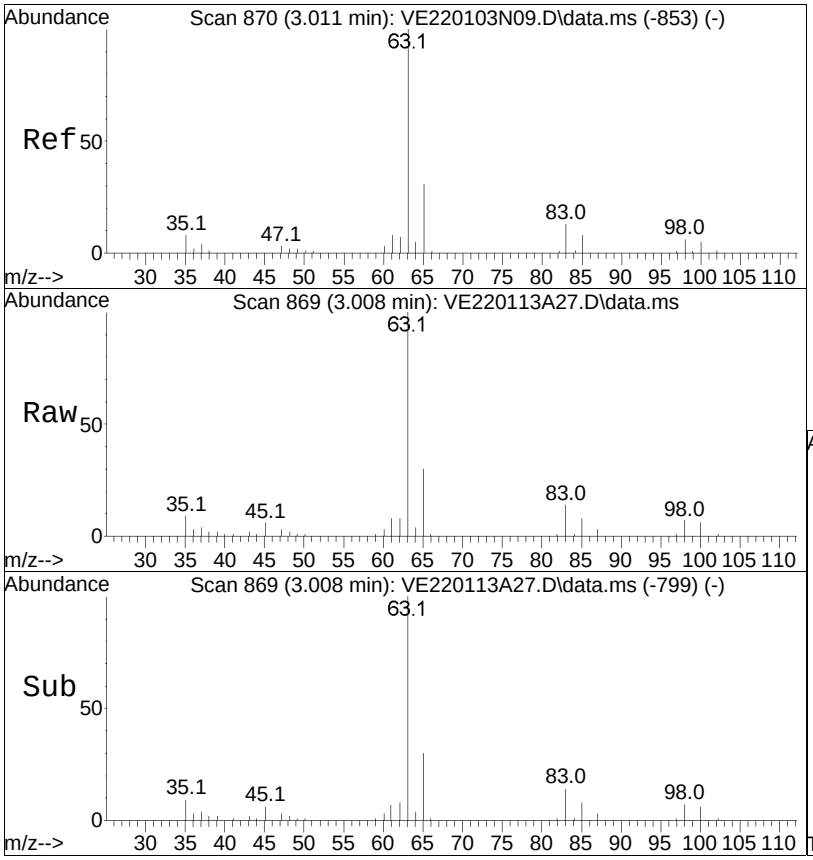


#20
Methyl tert-butyl ether
Concen: 9.40 ug/L
RT: 2.513 min Scan# 691
Delta R.T. -0.005 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 73 Resp: 39472

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.5	36.3
43	21.0	15.3	31.9
41	25.2	15.3	31.7

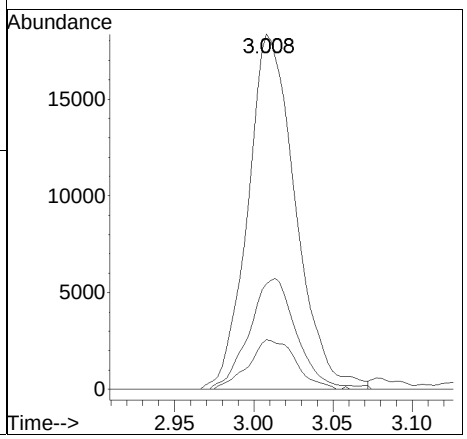


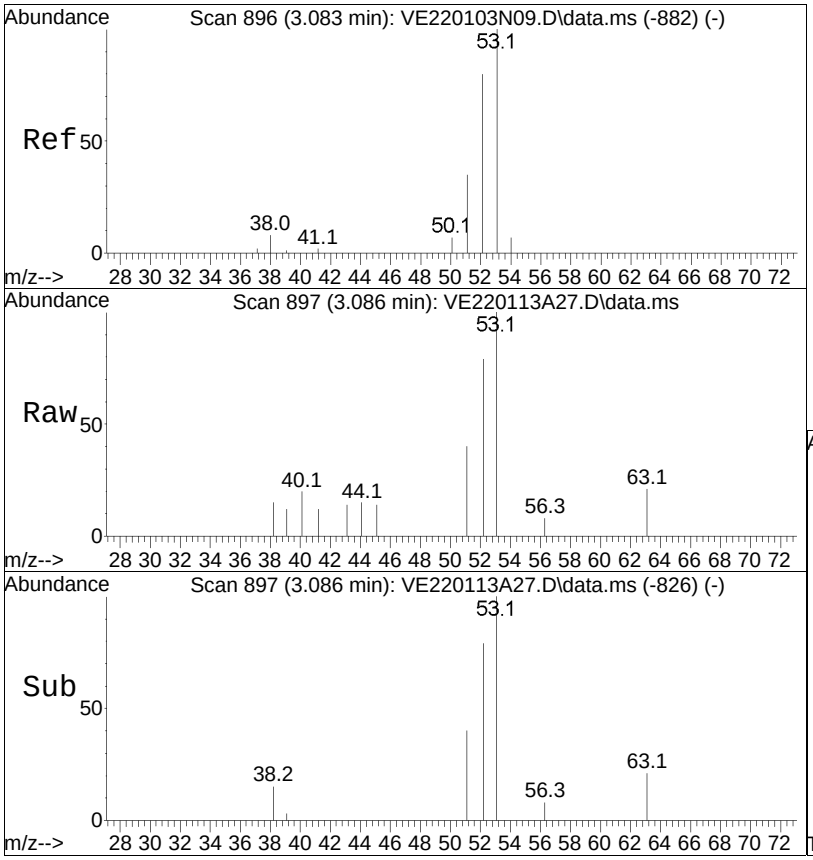


#23
1,1-Dichloroethane
Concen: 10.37 ug/L
RT: 3.008 min Scan# 869
Delta R.T. -0.006 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 63 Resp: 38465

Ion	Ratio	Lower	Upper
63	100		
65	31.2	11.0	51.0
83	13.9	0.0	31.8

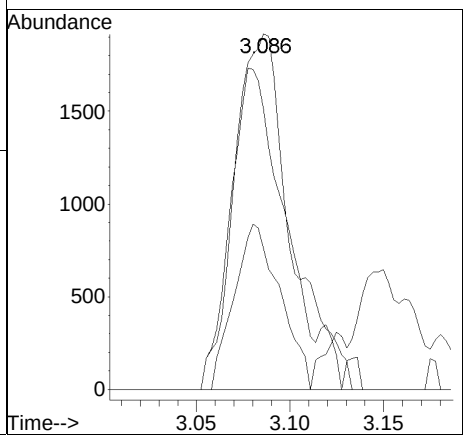


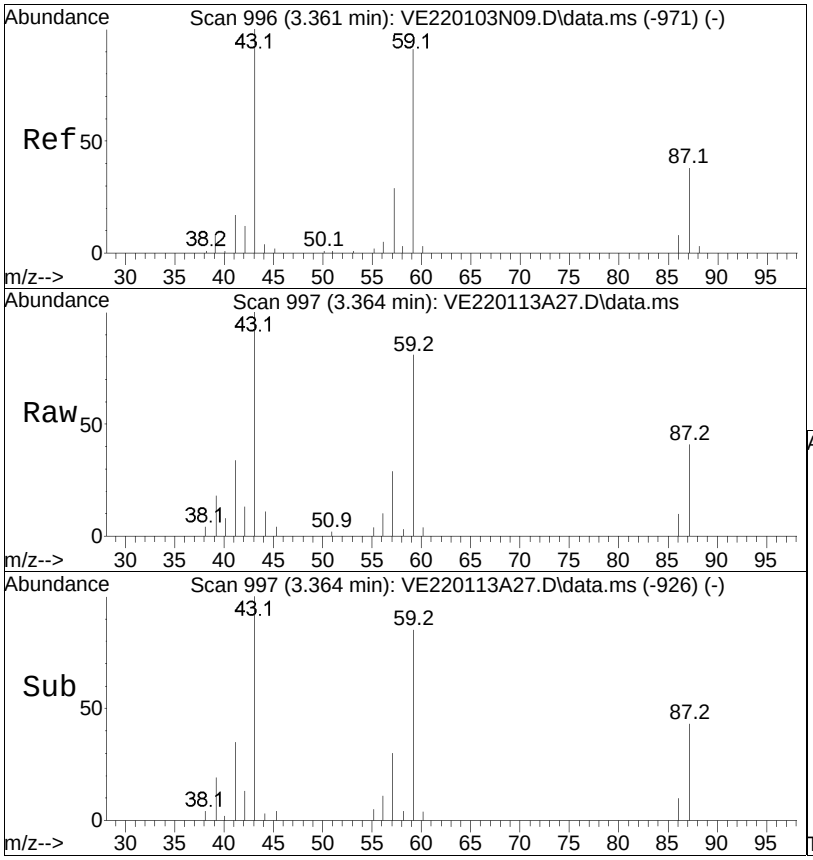


#25
Acrylonitrile
Concen: 9.76 ug/L
RT: 3.086 min Scan# 897
Delta R.T. -0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 53 Resp: 4093

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.7	100.1
51	37.4	30.6	46.0

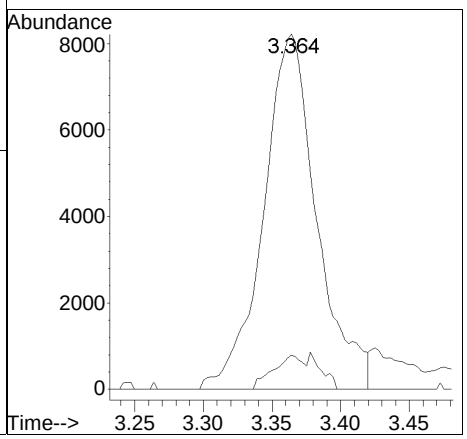


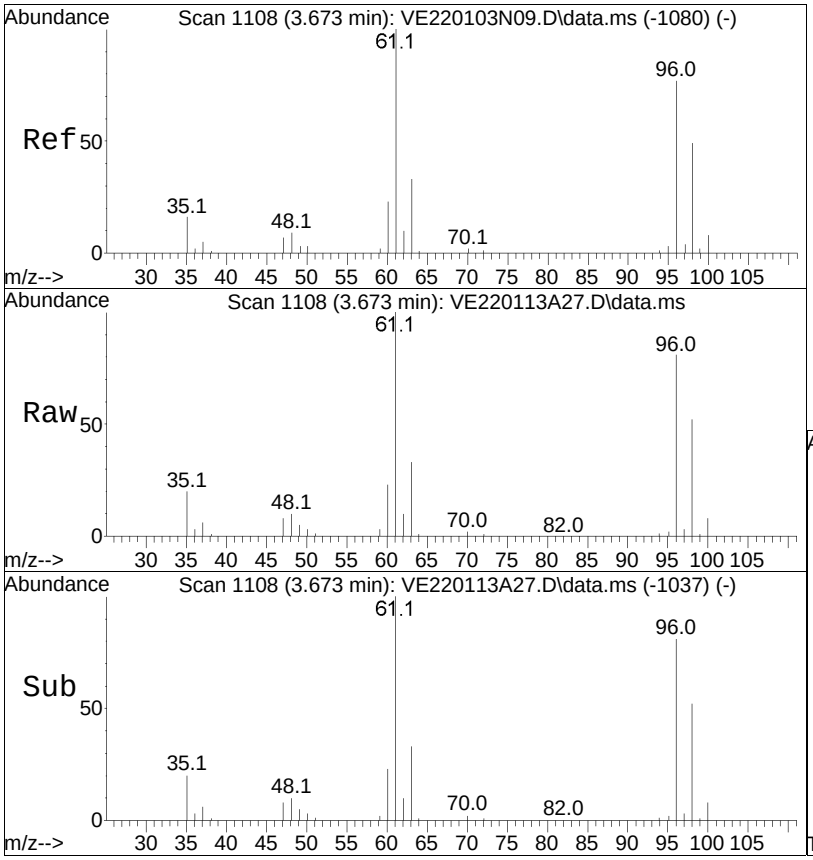


#27
Vinyl acetate
Concen: 6.52 ug/L
RT: 3.364 min Scan# 997
Delta R.T. -0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 43 Resp: 22233

Ion	Ratio	Lower	Upper
43	100		
86	5.6	5.2	7.8

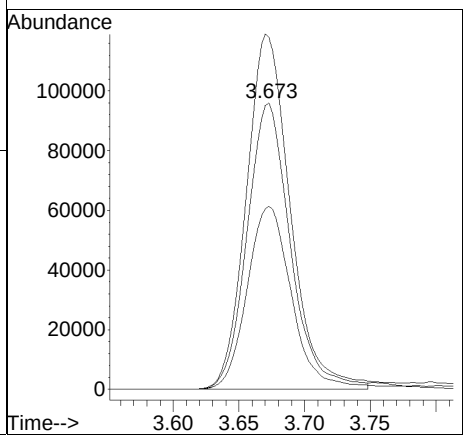


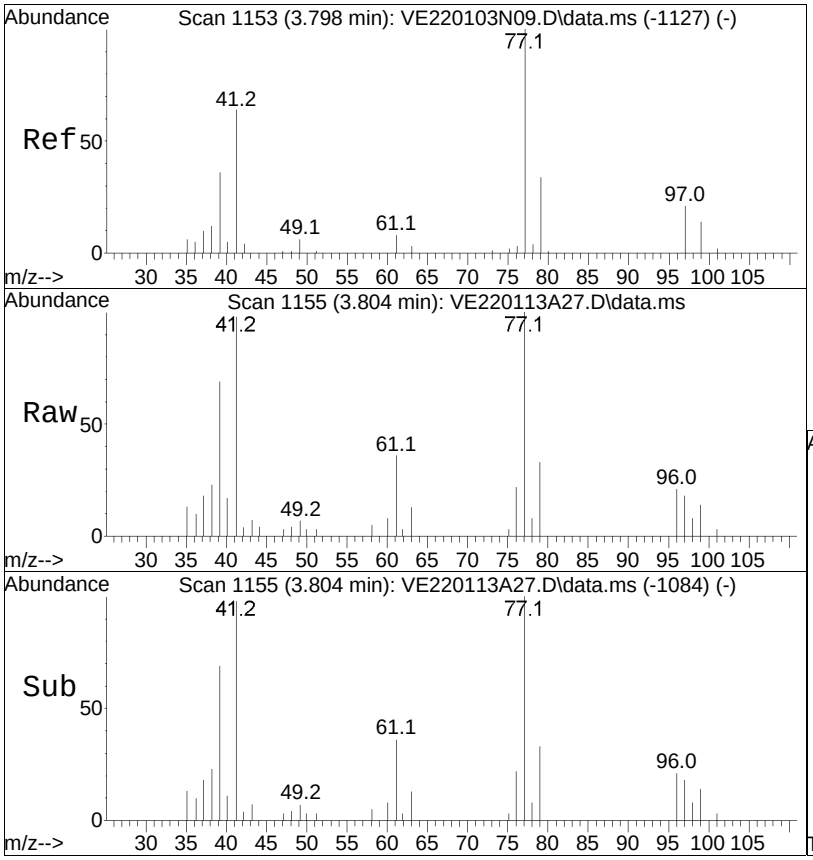


#28
cis-1,2-Dichloroethene
Concen: 100.22 ug/L
RT: 3.673 min Scan# 1108
Delta R.T. -0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 96 Resp: 220733

Ion	Ratio	Lower	Upper
96	100		
61	127.0	149.4	224.2#
98	65.8	53.4	80.2

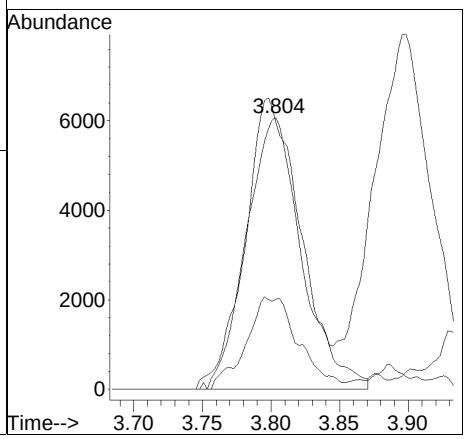


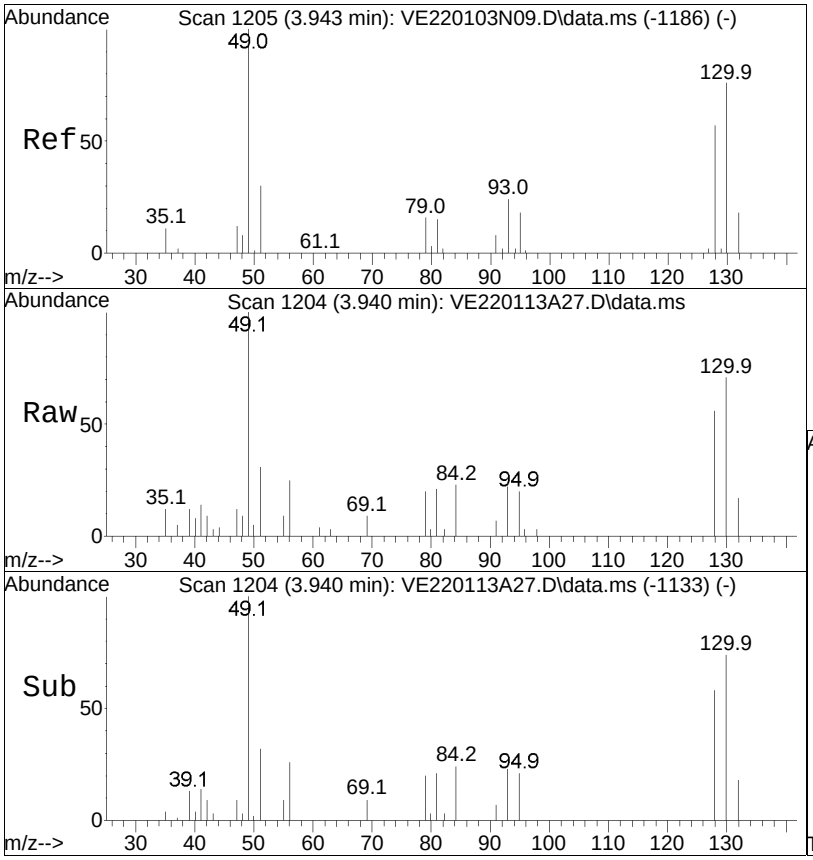


#29
2,2-Dichloropropane
Concen: 5.29 ug/L
RT: 3.804 min Scan# 1155
Delta R.T. -0.002 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 77 Resp: 17054

Ion	Ratio	Lower	Upper
77	100		
41	105.5	38.0	78.8#
79	16.5	20.5	42.5#

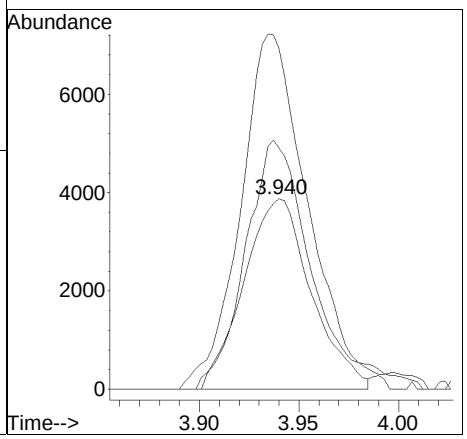


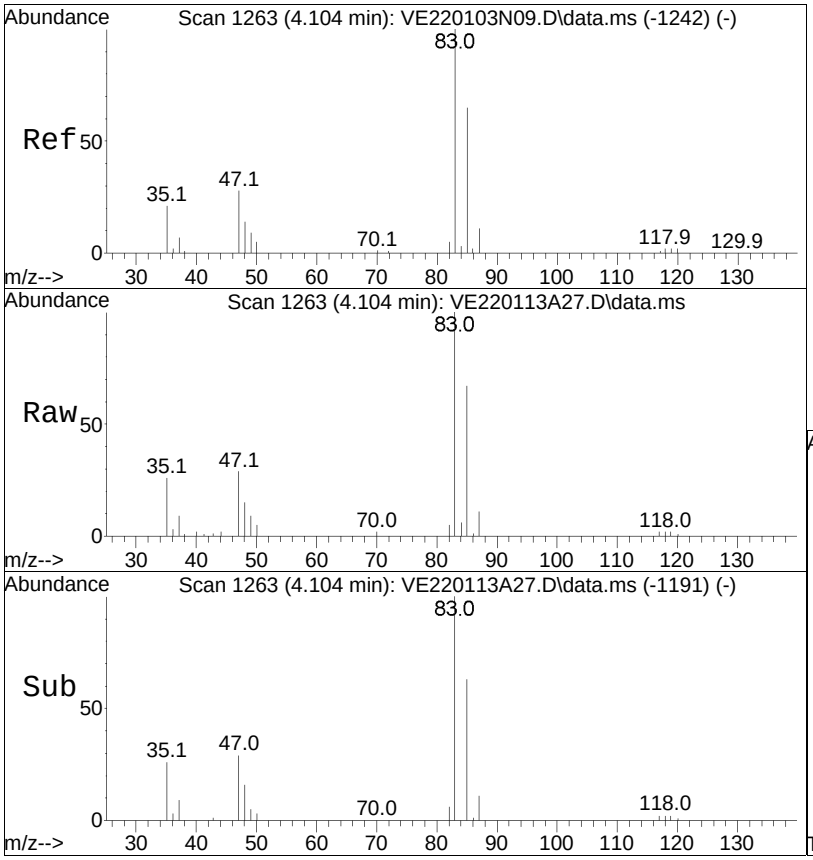


#30
Bromochloromethane
Concen: 9.79 ug/L
RT: 3.940 min Scan# 1204
Delta R.T. -0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:128 Resp: 9163

Ion	Ratio	Lower	Upper
128	100		
49	186.1	223.0	334.4#
130	129.1	111.4	167.0

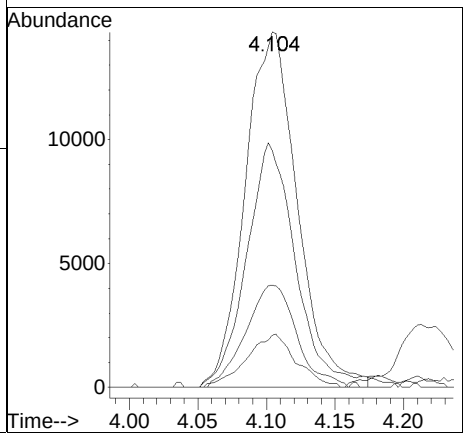


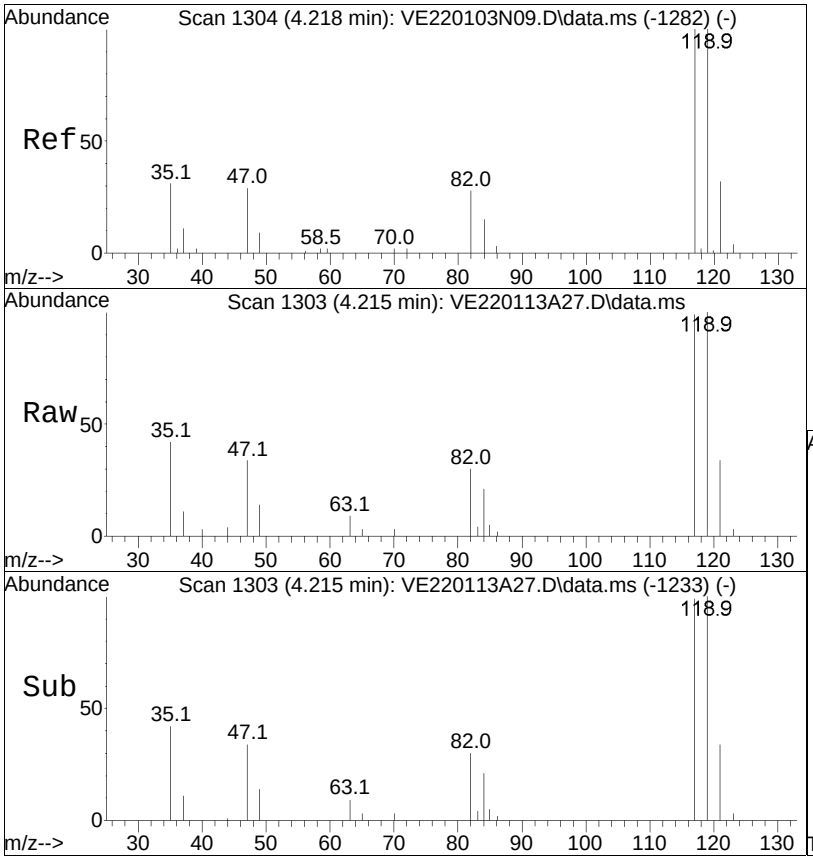


#32
Chloroform
Concen: 10.55 ug/L
RT: 4.104 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 83 Resp: 38021

Ion	Ratio	Lower	Upper
83	100		
85	64.2	41.5	86.1
47	28.2	19.0	39.4
48	14.3	9.9	20.5

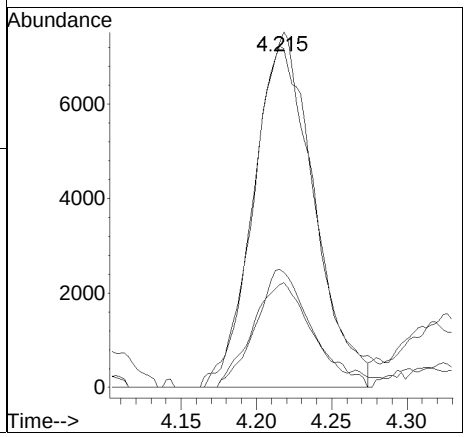


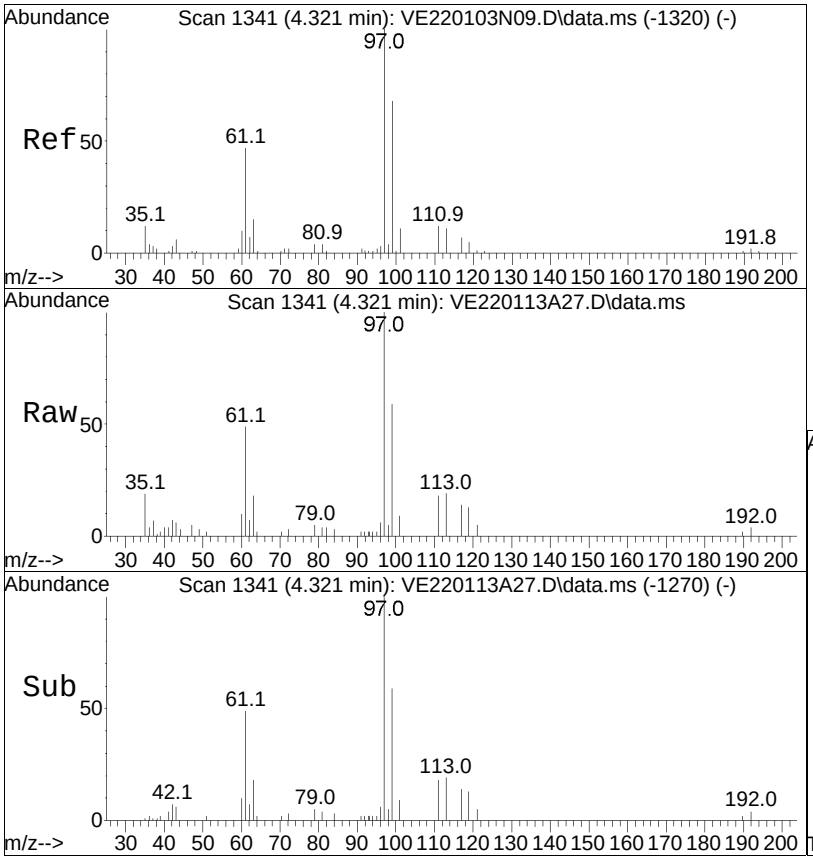


#34
Carbon tetrachloride
Concen: 7.85 ug/L
RT: 4.215 min Scan# 1303
Delta R.T. -0.006 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:117 Resp: 20675

Ion	Ratio	Lower	Upper
117	100		
119	101.6	62.4	129.6
121	30.2	19.5	40.5
82	30.3	17.0	35.4

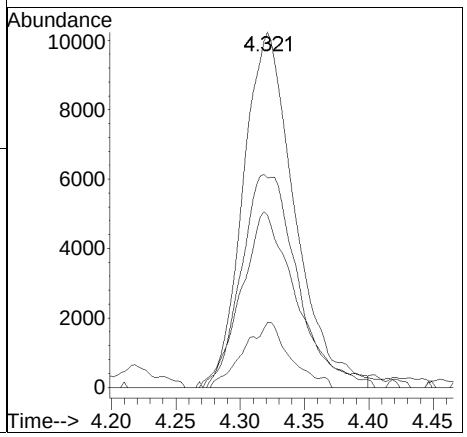


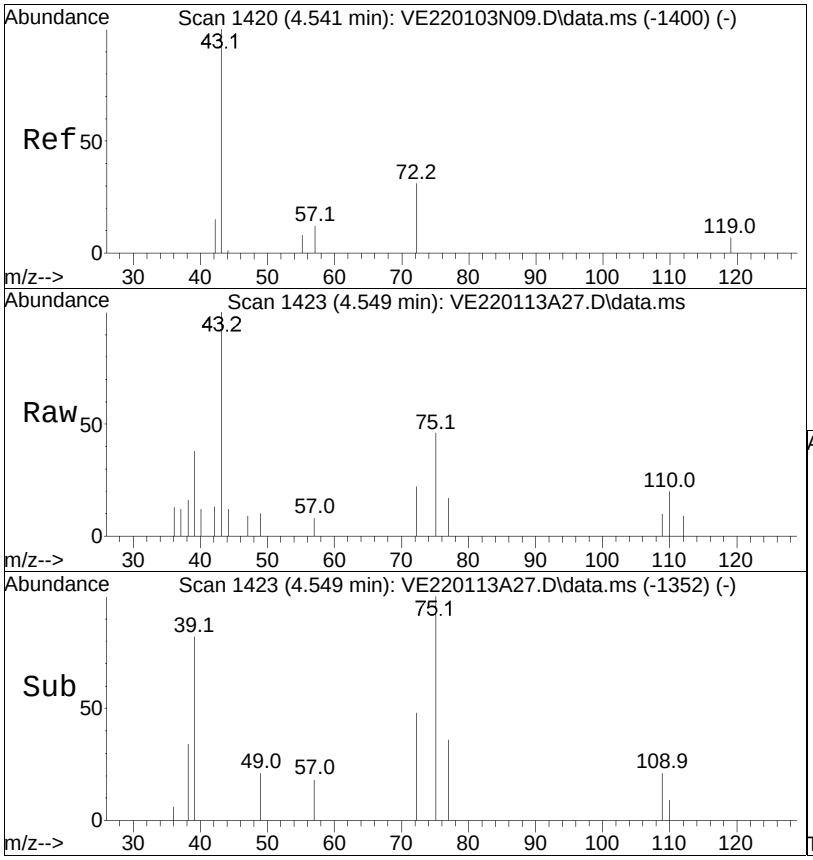


#37
1,1,1-Trichloroethane
Concen: 9.16 ug/L
RT: 4.321 min Scan# 1341
Delta R.T. -0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 97 Resp: 28588

Ion	Ratio	Lower	Upper
97	100		
99	65.0	40.7	84.5
61	53.5	35.4	73.4
63	16.5	5.0	10.4#

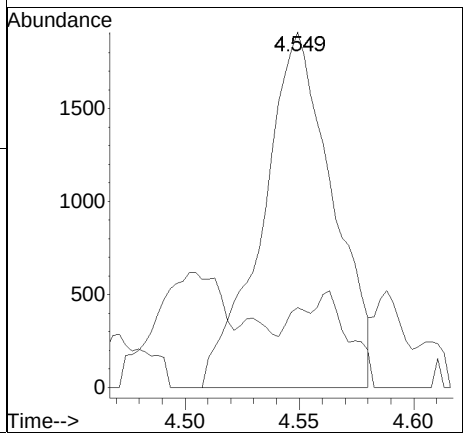


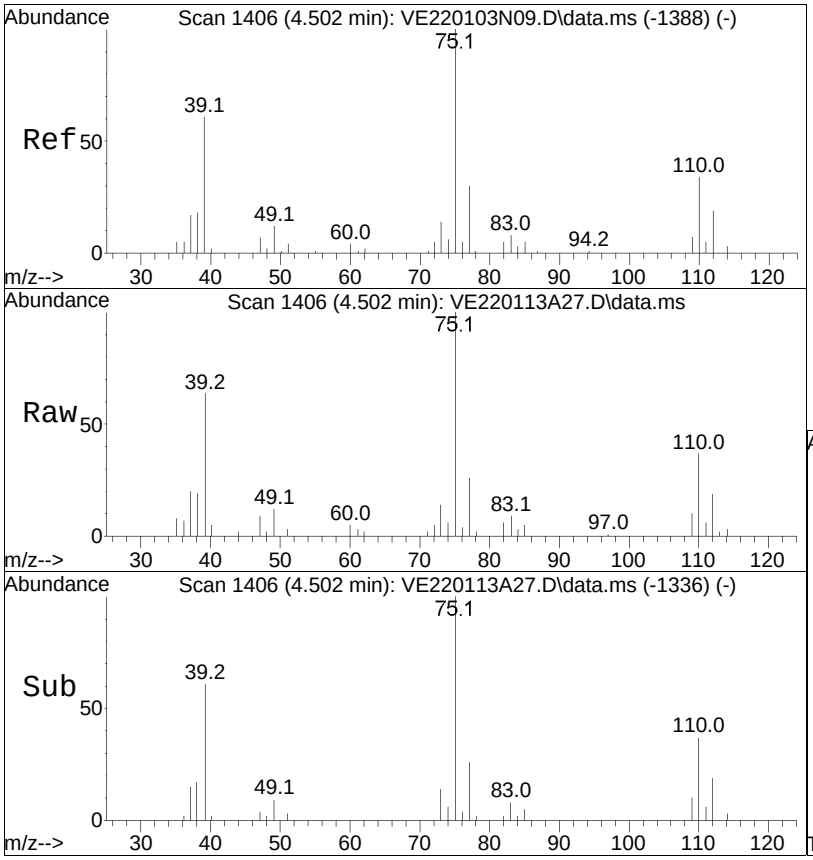


#39
2-Butanone
Concen: 9.76 ug/L
RT: 4.549 min Scan# 1423
Delta R.T. -0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 43 Resp: 4066

Ion	Ratio	Lower	Upper
43	100		
72	2.5	10.9	16.3#

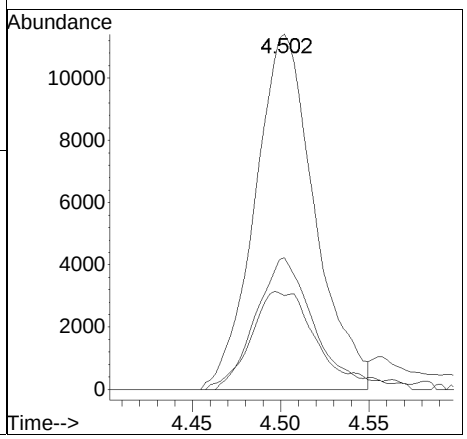


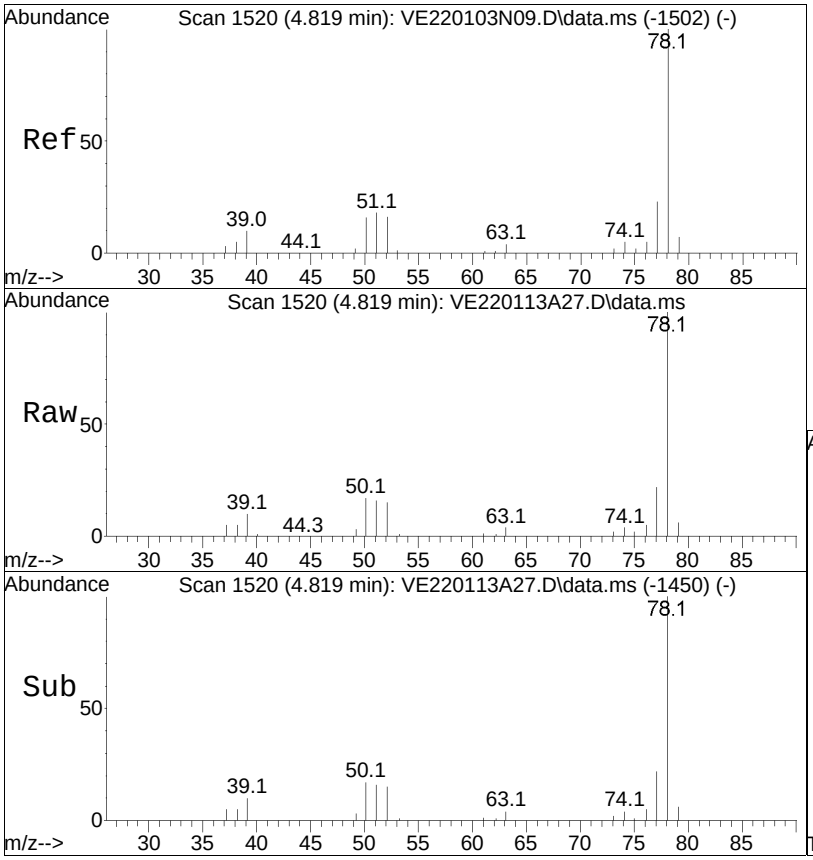


#40
1,1-Dichloropropene
Concen: 10.10 ug/L
RT: 4.502 min Scan# 1406
Delta R.T. -0.006 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 75 Resp: 26843

Ion	Ratio	Lower	Upper
75	100		
110	35.2	20.2	41.9
77	30.5	20.1	41.7

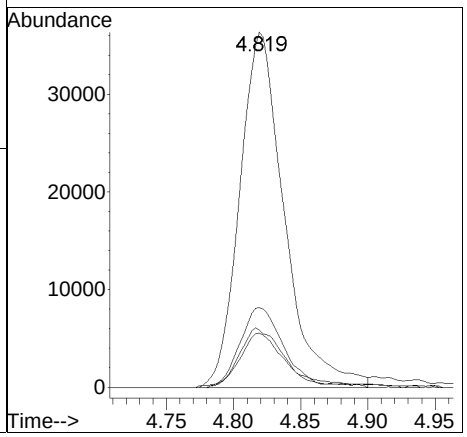


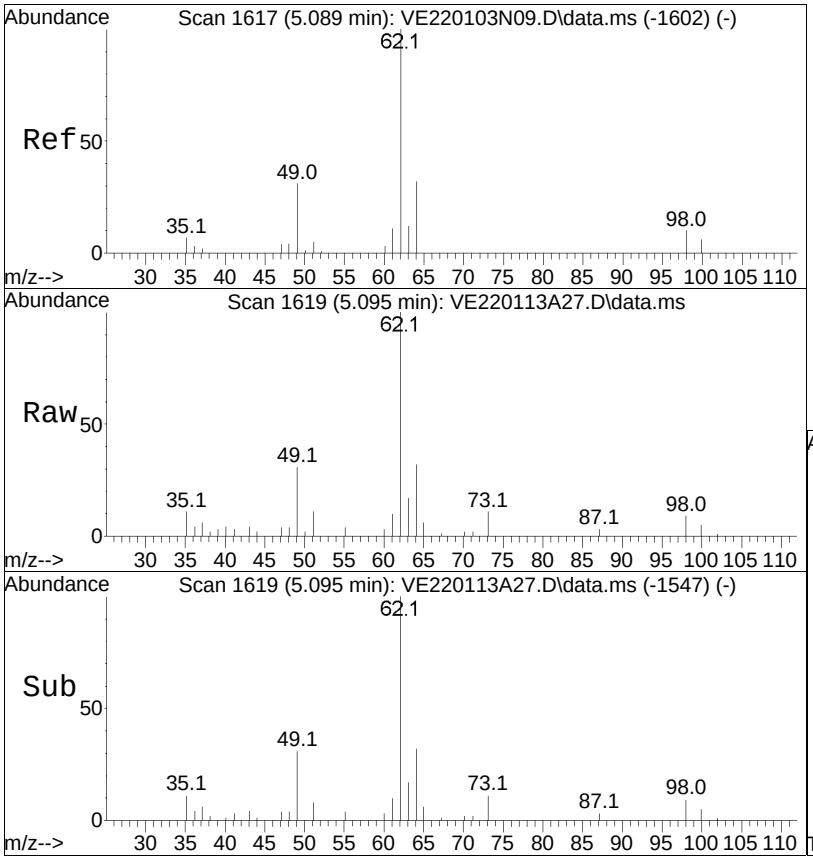


#41
Benzene
Concen: 10.29 ug/L
RT: 4.819 min Scan# 1520
Delta R.T. -0.006 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 78 Resp: 83947

Ion	Ratio	Lower	Upper
78	100		
77	22.6	15.7	32.7
51	16.6	16.0	33.2
52	15.2	15.3	31.9#

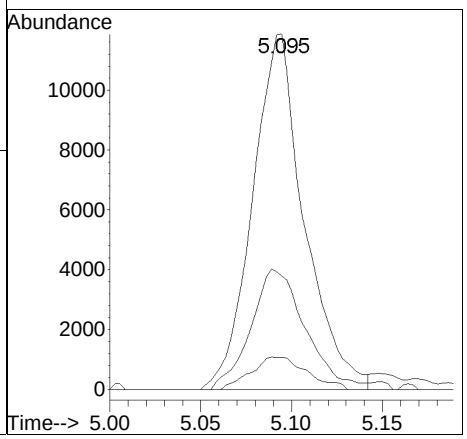


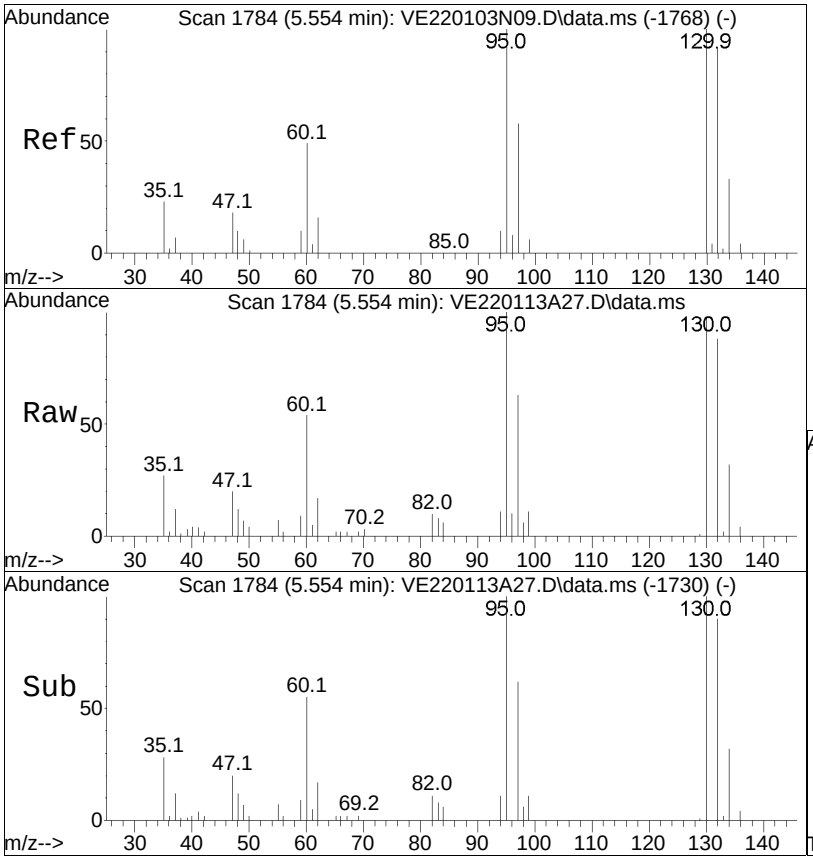


#44
1,2-Dichloroethane
Concen: 10.19 ug/L
RT: 5.095 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 62 Resp: 23470

Ion	Ratio	Lower	Upper
62	100		
64	35.6	11.2	51.2
98	9.9	0.0	26.1

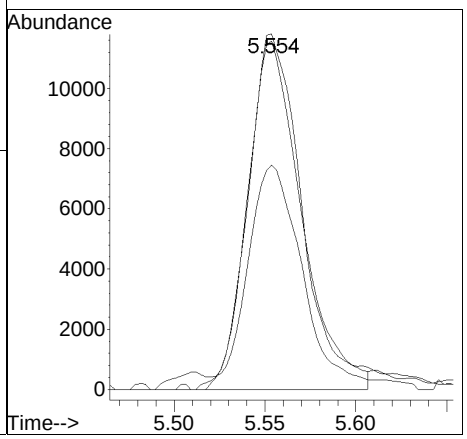


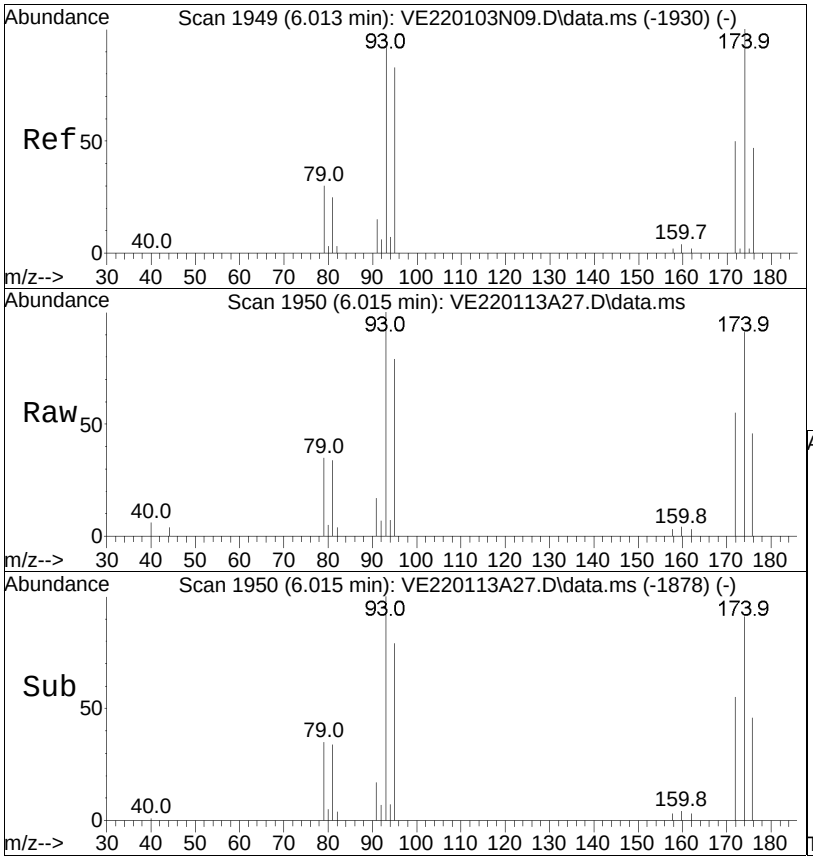


#48
Trichloroethene
Concen: 11.69 ug/L
RT: 5.554 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 95 Resp: 24301

Ion	Ratio	Lower	Upper
95	100		
97	65.3	55.5	83.3
130	102.7	76.6	115.0

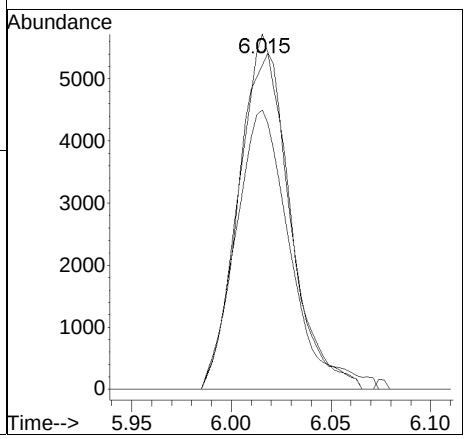


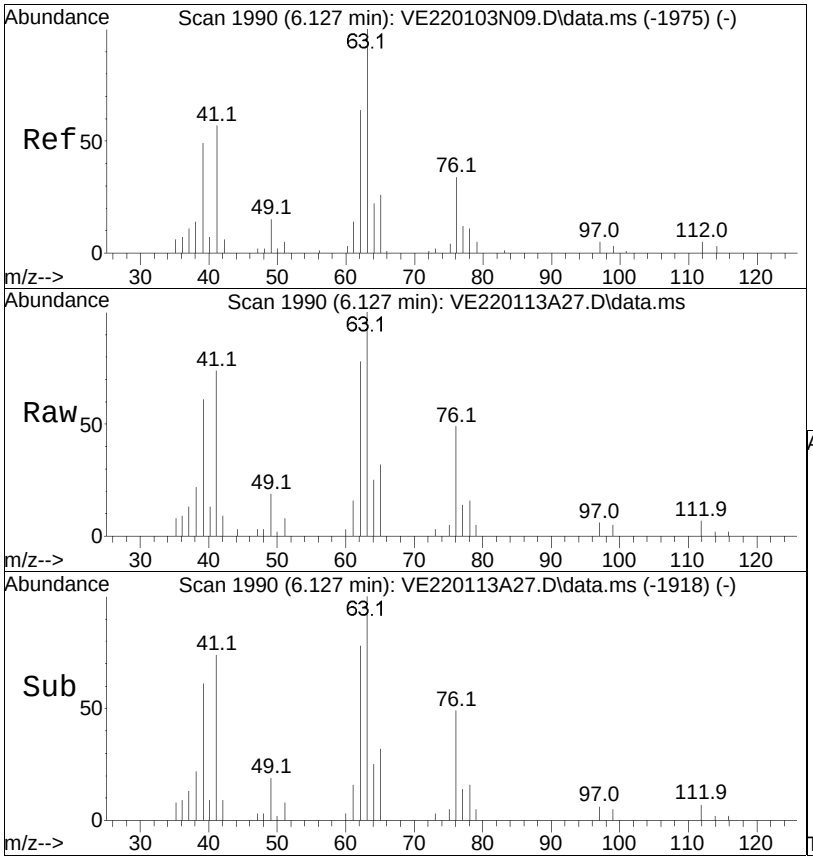


#50
Dibromomethane
Concen: 9.84 ug/L
RT: 6.015 min Scan# 1950
Delta R.T. -0.001 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 93 Resp: 10120

Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.0	100.4
174	100.2	75.0	112.4

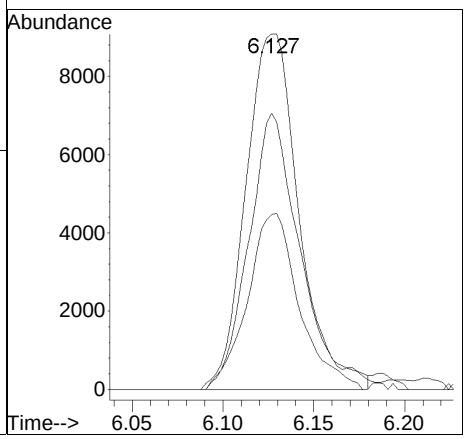


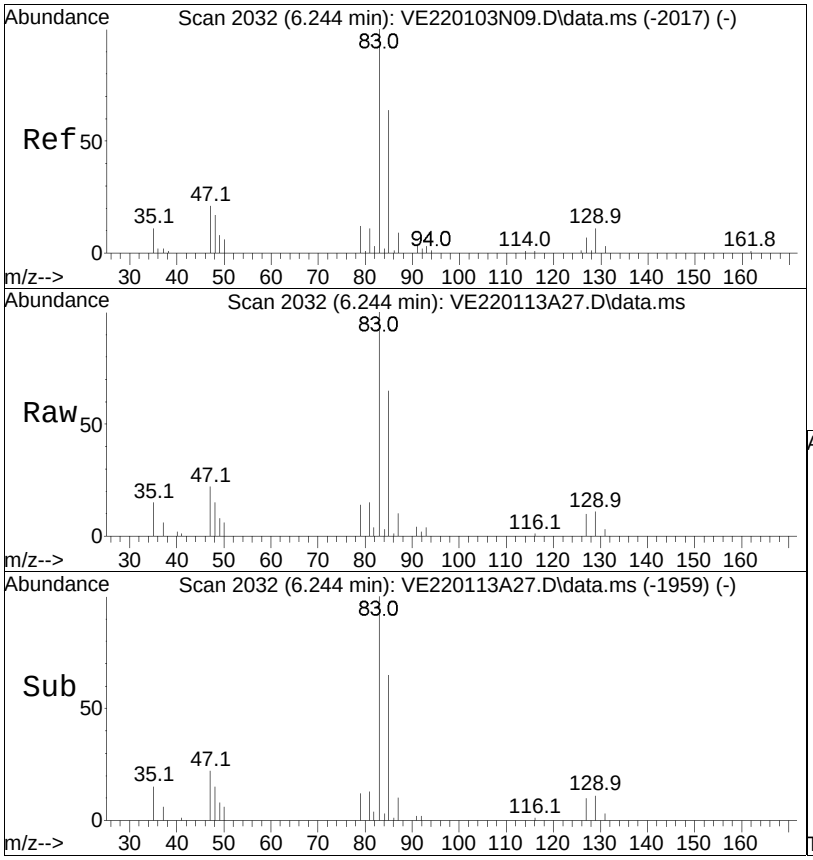


#51
1,2-Dichloropropane
Concen: 9.13 ug/L
RT: 6.127 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 63 Resp: 18563

Ion	Ratio	Lower	Upper
63	100		
62	75.1	58.6	87.8
76	48.1	38.0	57.0

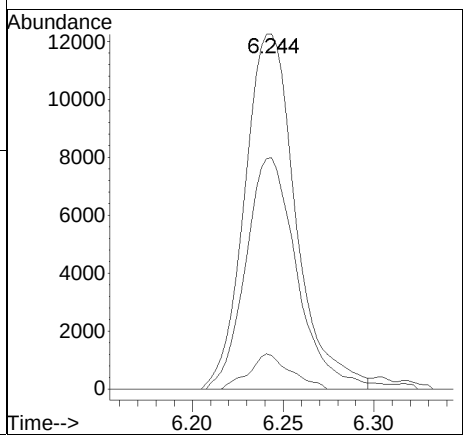


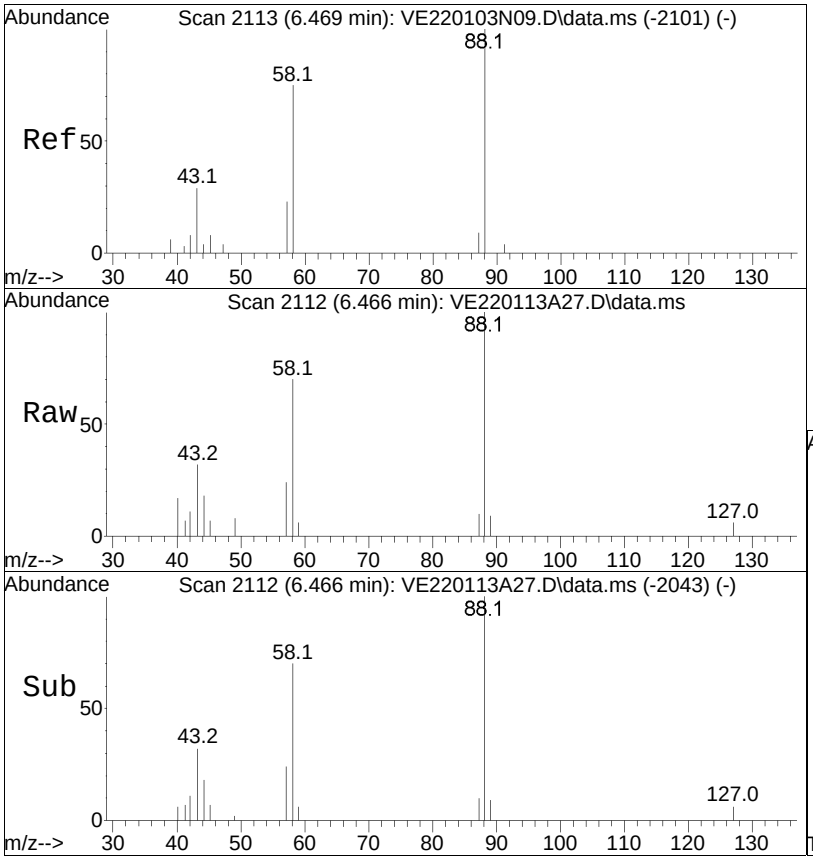


#54
Bromodichloromethane
Concen: 8.98 ug/L
RT: 6.244 min Scan# 2032
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 83 Resp: 24088

Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.3	78.5
127	8.1	6.2	9.4

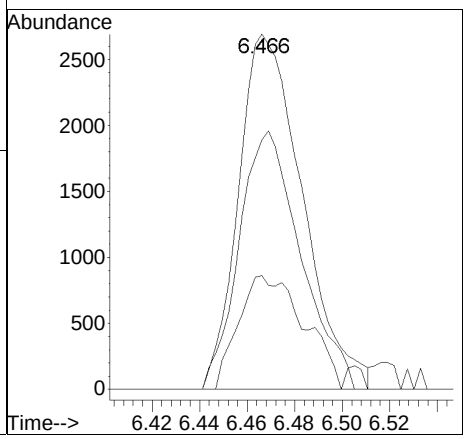


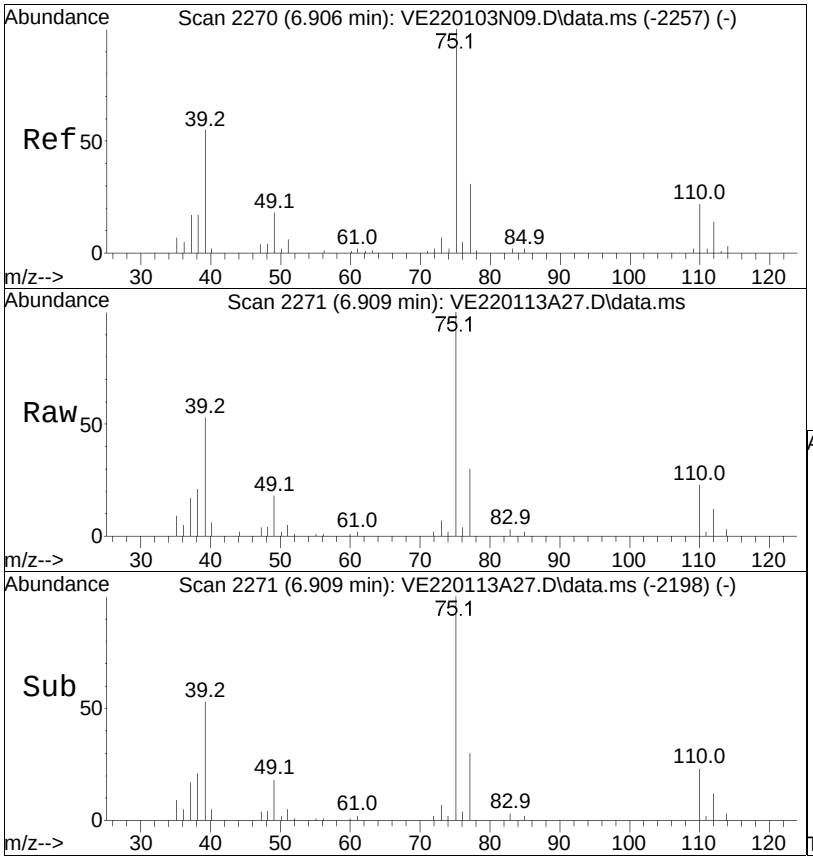


#57
1,4-Dioxane
Concen: 760.22 ug/L
RT: 6.466 min Scan# 2112
Delta R.T. -0.009 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 88 Resp: 5037

Ion	Ratio	Lower	Upper
88	100		
58	70.1	76.7	115.1#
43	33.0	36.2	54.2#

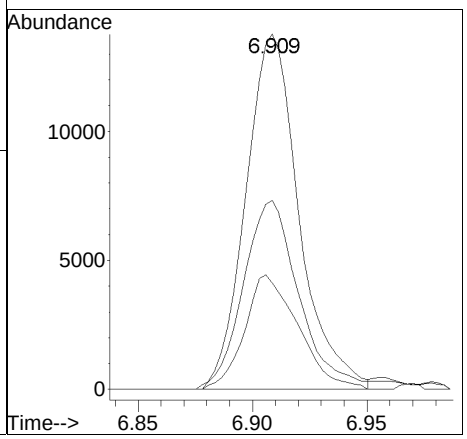


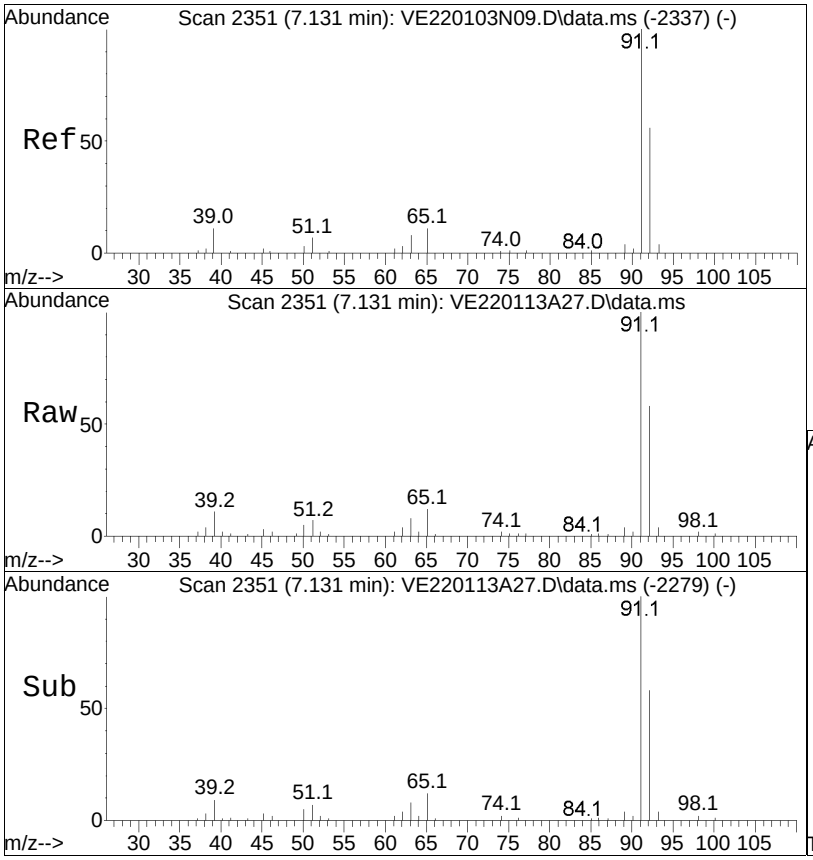


#58
cis-1,3-Dichloropropene
Concen: 7.43 ug/L
RT: 6.909 min Scan# 2271
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 75 Resp: 22296

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4
39	55.5	50.1	75.1

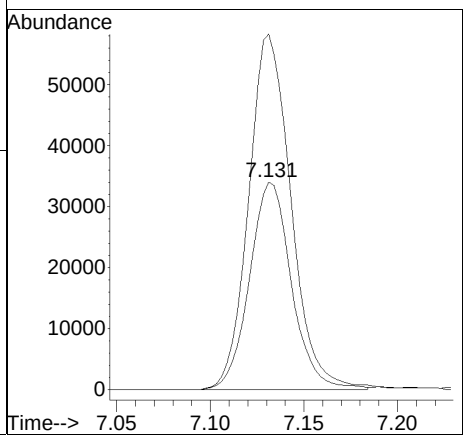


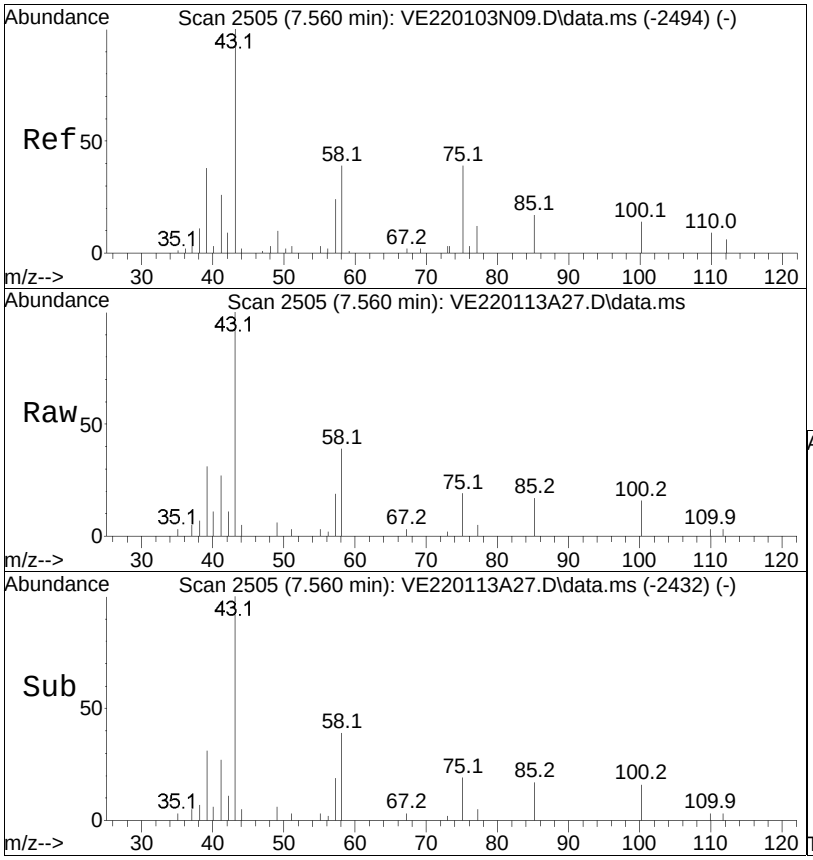


#61
Toluene
Concen: 9.95 ug/L
RT: 7.131 min Scan# 2351
Delta R.T. 0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 92 Resp: 52954

Ion	Ratio	Lower	Upper
92	100		
91	173.4	139.8	209.6

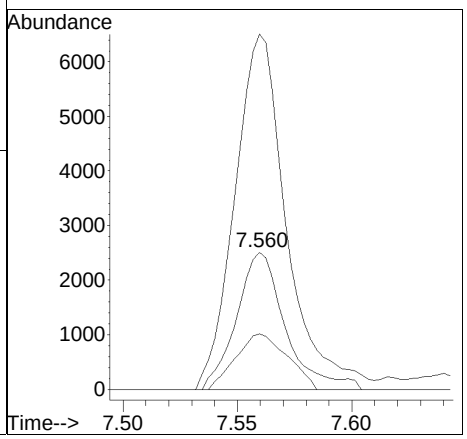


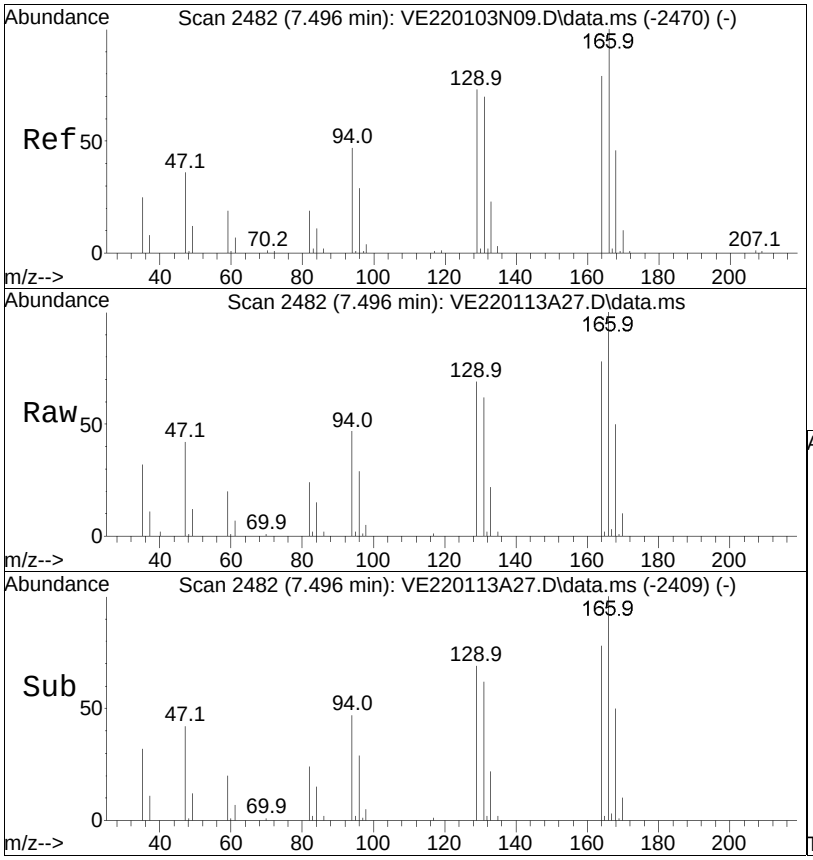


#62
4-Methyl-2-pentanone
Concen: 10.12 ug/L
RT: 7.560 min Scan# 2505
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 58 Resp: 3729

Ion	Ratio	Lower	Upper
58	100		
100	42.8	20.2	30.2#
43	273.9	196.6	295.0

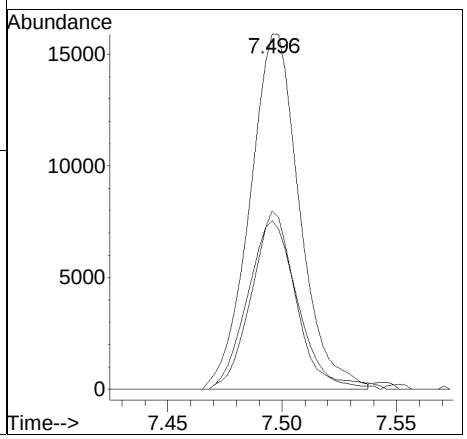


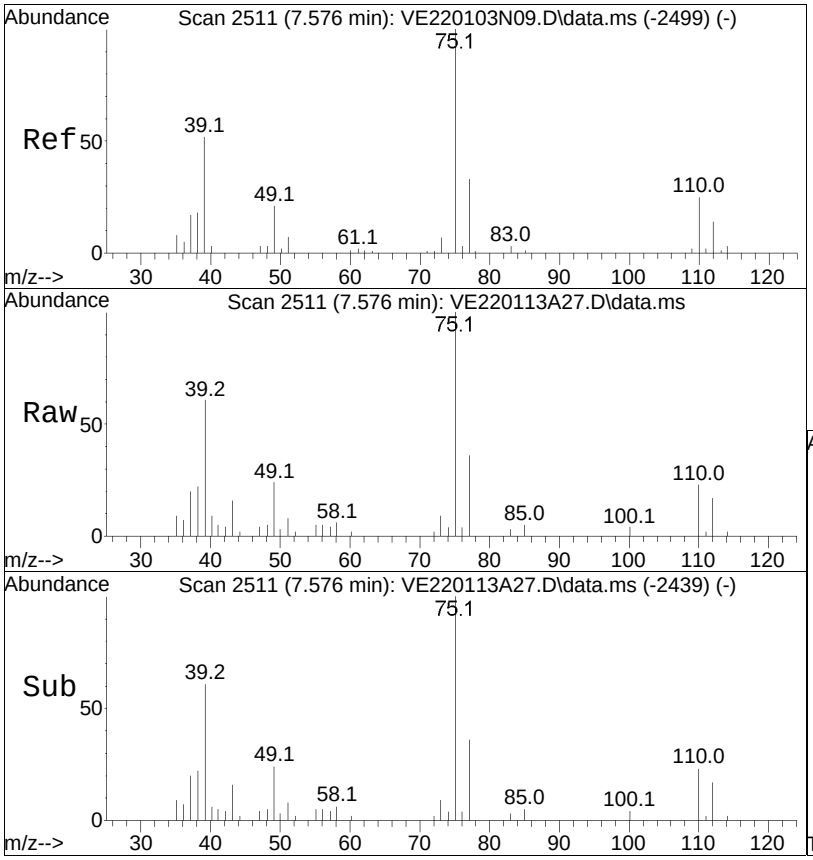


#63
Tetrachloroethene
Concen: 11.17 ug/L
RT: 7.496 min Scan# 2482
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:166 Resp: 24105

Ion	Ratio	Lower	Upper
166	100		
168	46.6	28.2	68.2
94	46.3	38.4	78.4

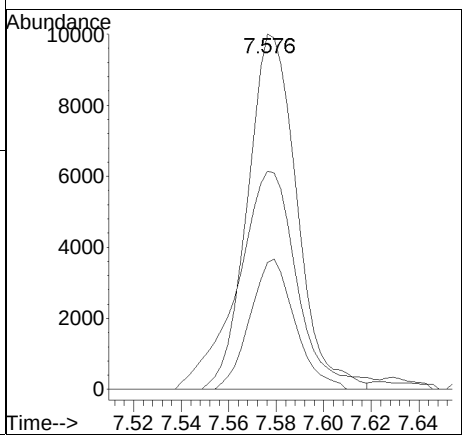


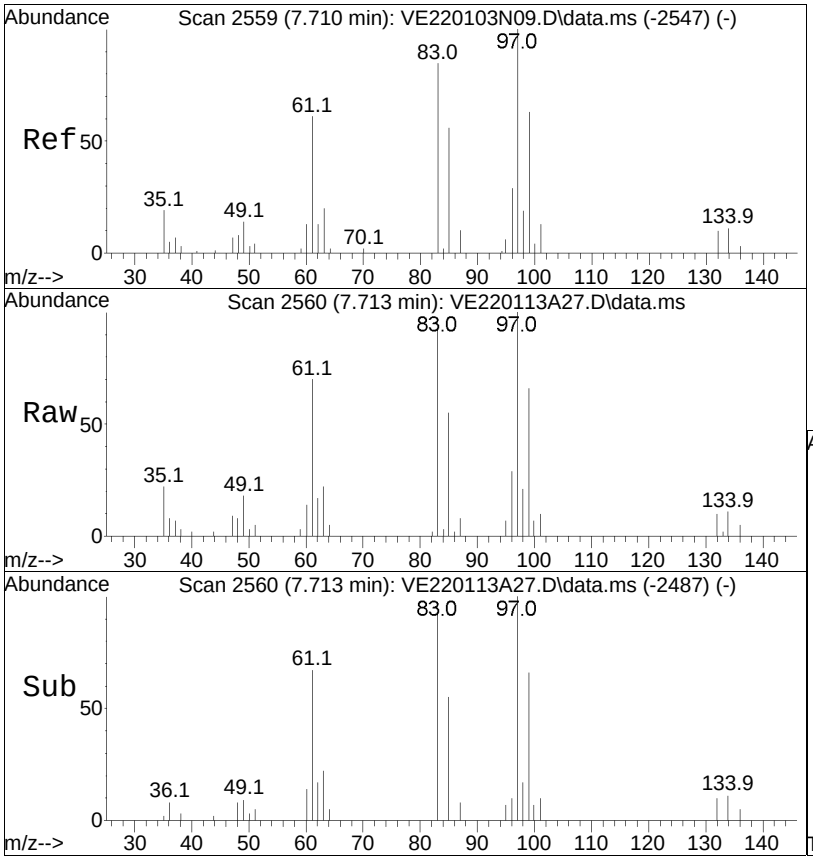


#65
trans-1,3-Dichloropropene
Concen: 5.82 ug/L
RT: 7.576 min Scan# 2511
Delta R.T. 0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 75 Resp: 14386

Ion	Ratio	Lower	Upper
75	100		
77	33.5	12.4	52.4
39	75.0	42.8	82.8

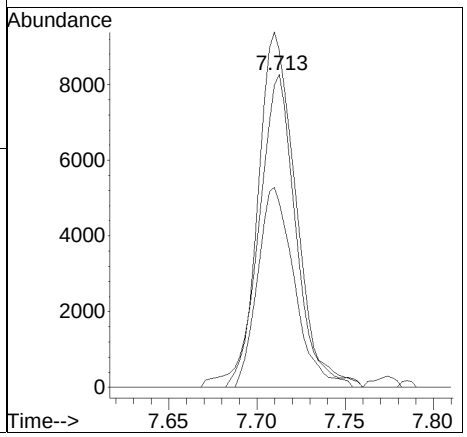


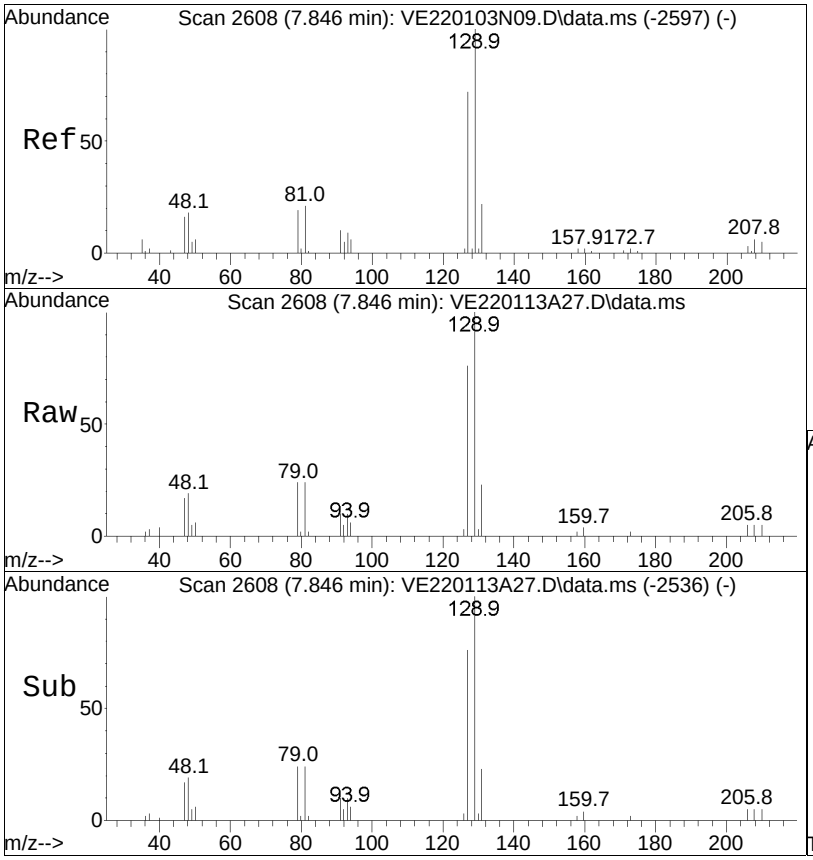


#68
1,1,2-Trichloroethane
Concen: 10.45 ug/L
RT: 7.713 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 83 Resp: 12129

Ion	Ratio	Lower	Upper
83	100		
97	114.2	89.8	129.8
85	63.3	44.4	84.4

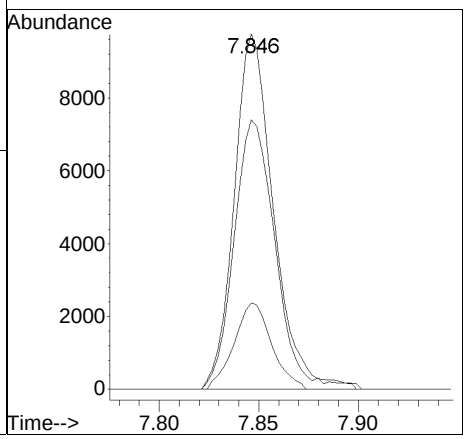


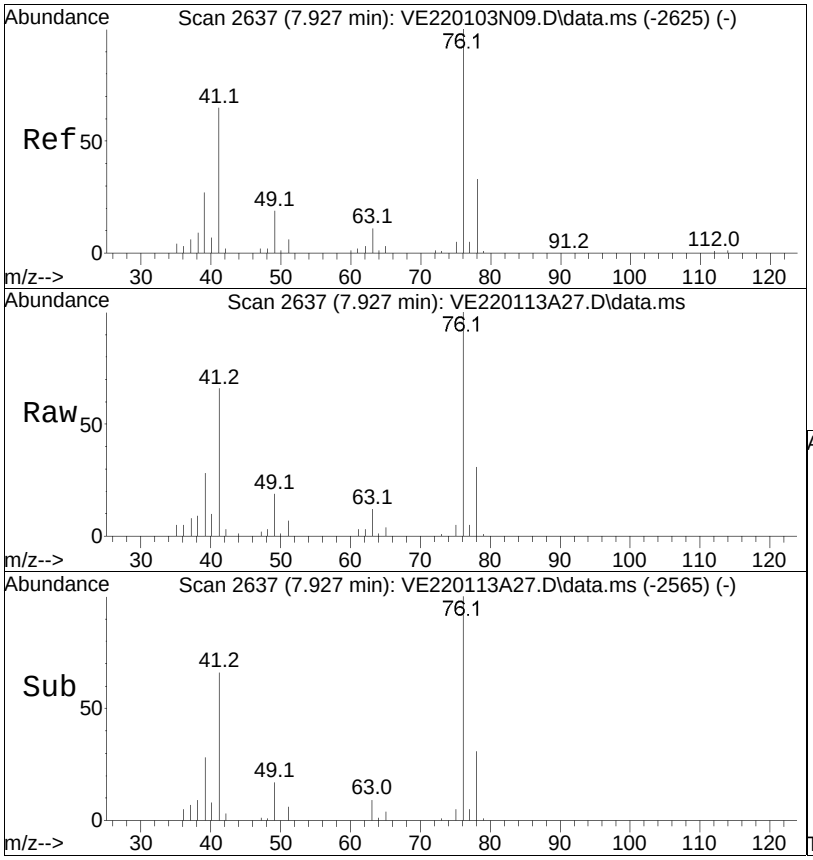


#69
Chlorodibromomethane
Concen: 8.19 ug/L
RT: 7.846 min Scan# 2608
Delta R.T. 0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:129 Resp: 13407

Ion	Ratio	Lower	Upper
129	100		
81	23.3	2.9	42.9
127	79.5	57.8	97.8

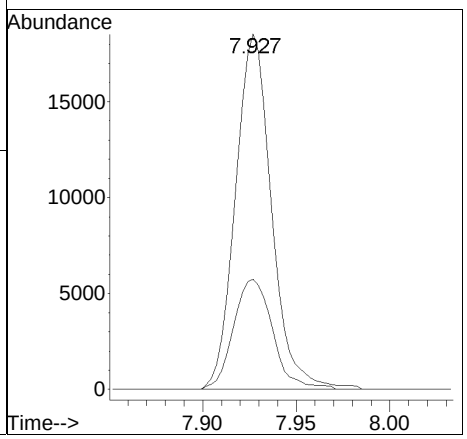


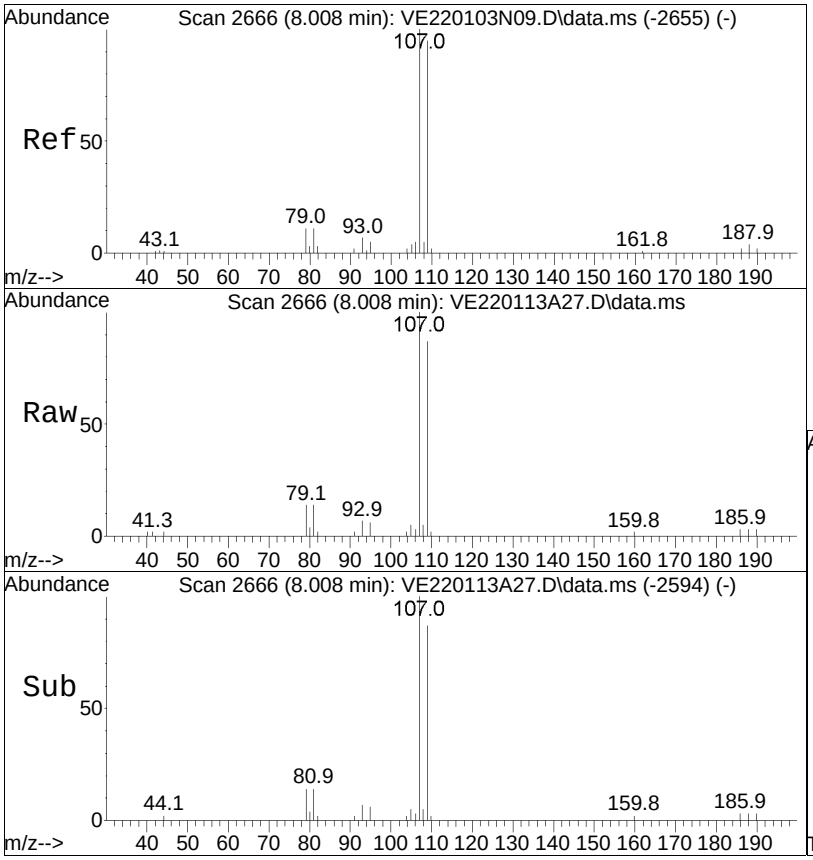


#70
1,3-Dichloropropane
Concen: 10.00 ug/L
RT: 7.927 min Scan# 2637
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 76 Resp: 24874

Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.5	38.3

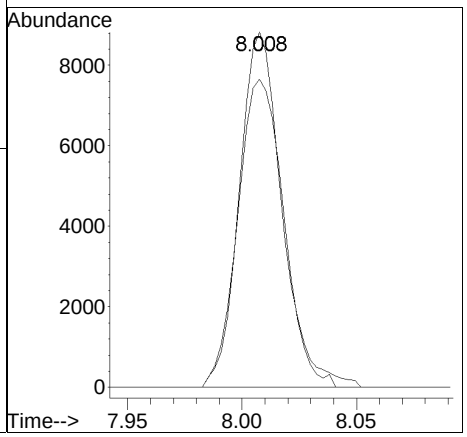


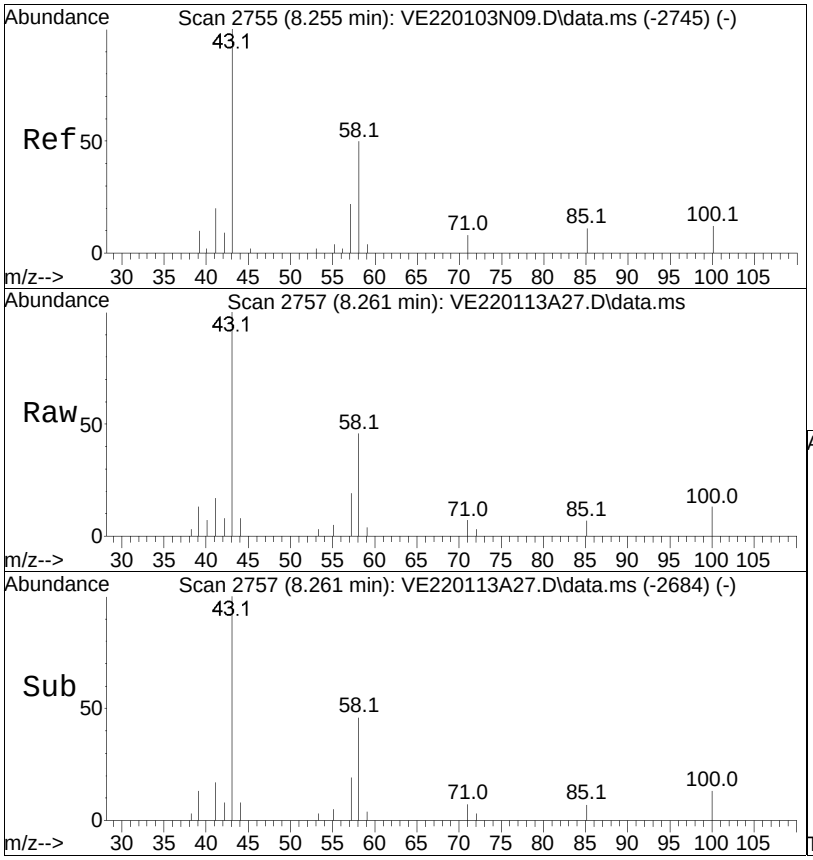


#71
1,2-Dibromoethane
Concen: 8.53 ug/L
RT: 8.008 min Scan# 2666
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:107 Resp: 11481

Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.3	111.5

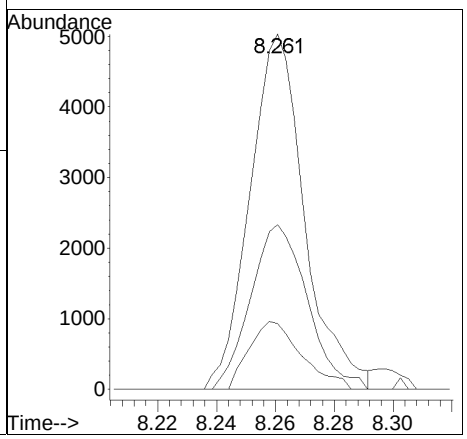


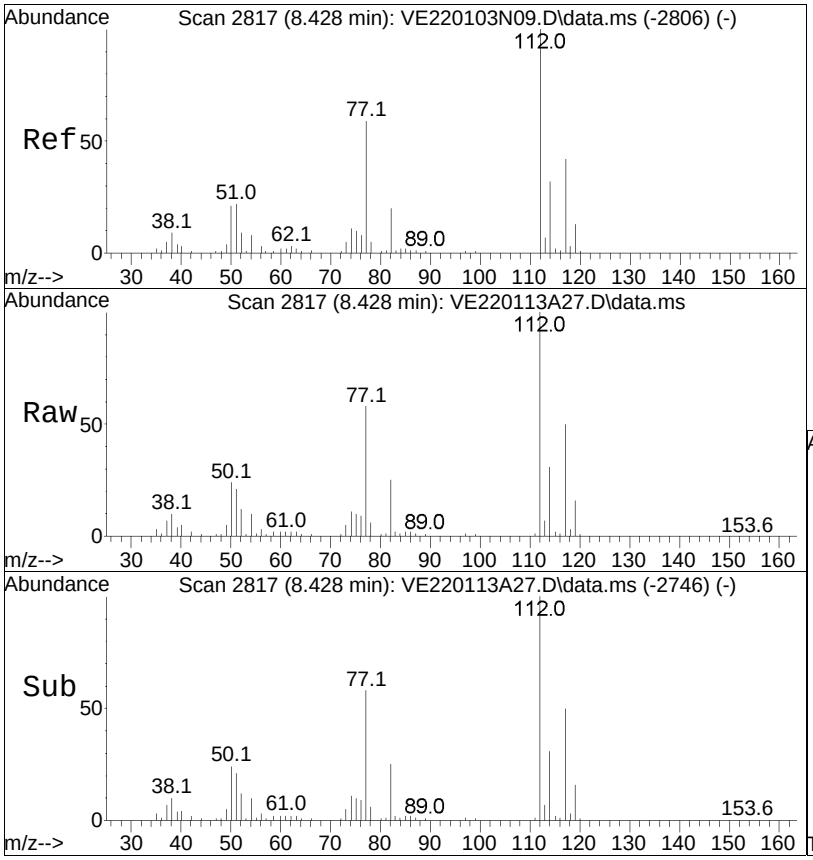


#72
2-Hexanone
Concen: 9.72 ug/L
RT: 8.261 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 43 Resp: 6506

Ion	Ratio	Lower	Upper
43	100		
58	48.1	41.2	61.8
57	18.4	17.2	25.8

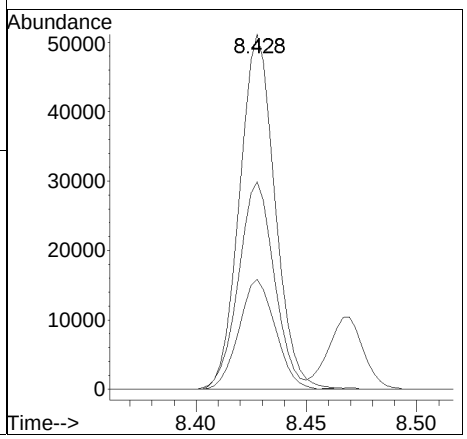


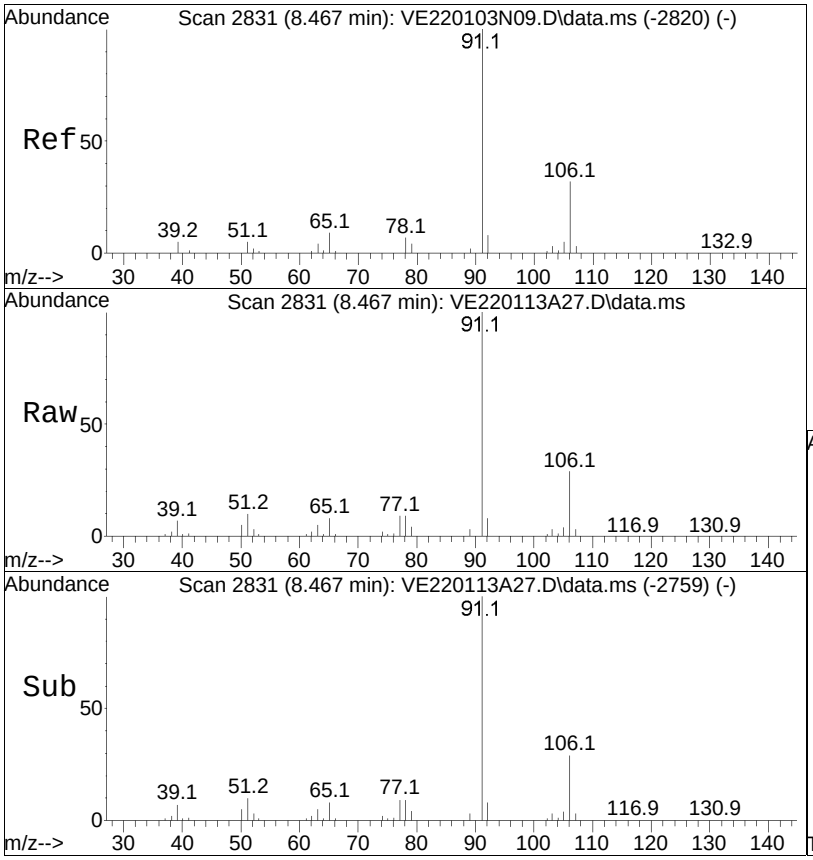


#73
Chlorobenzene
Concen: 10.43 ug/L
RT: 8.428 min Scan# 2817
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:112 Resp: 57157

Ion	Ratio	Lower	Upper
112	100		
77	59.3	55.4	83.0
114	31.9	25.4	38.2

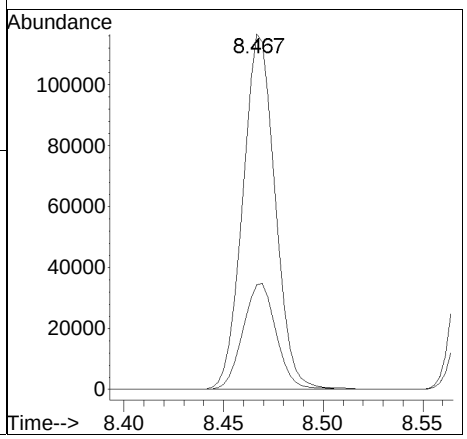


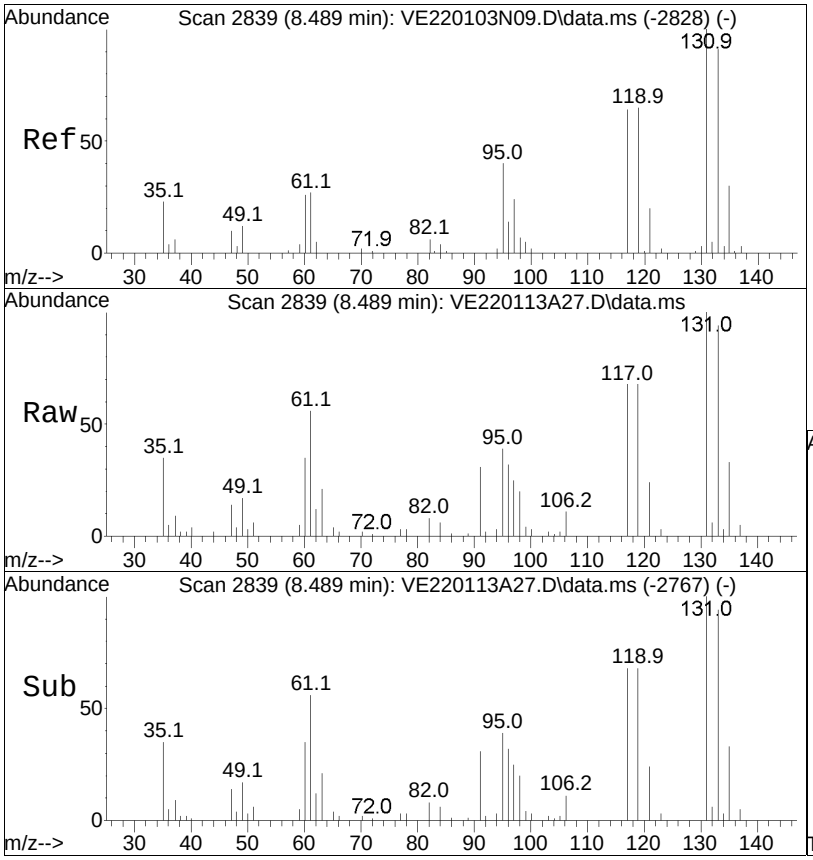


#74
Ethylbenzene
Concen: 13.03 ug/L
RT: 8.467 min Scan# 2831
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 91 Resp: 131381

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.3	36.5

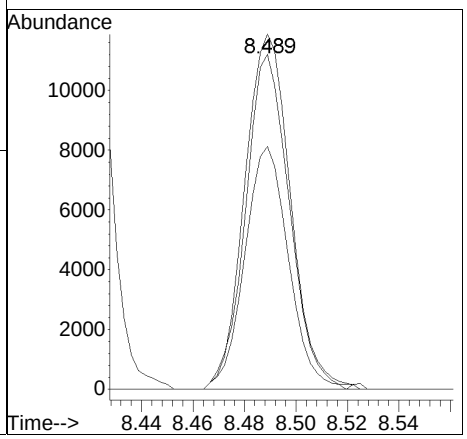


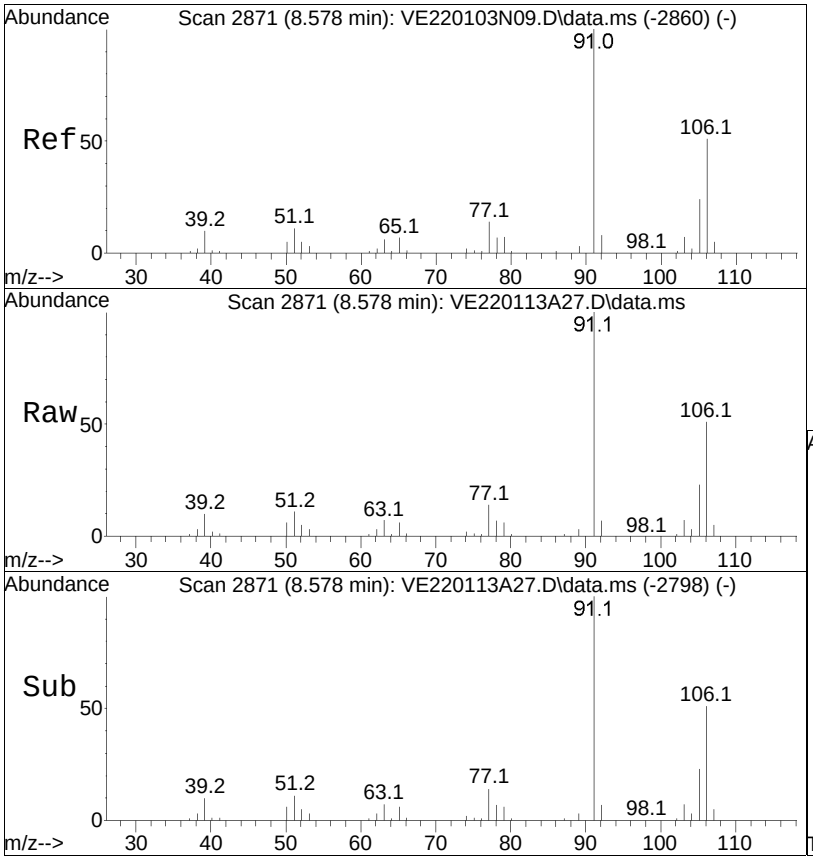


#75
1,1,1,2-Tetrachloroethane
Concen: 7.67 ug/L
RT: 8.489 min Scan# 2839
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:131 Resp: 14746

Ion	Ratio	Lower	Upper
131	100		
133	90.4	81.0	121.0
119	65.6	41.3	81.3

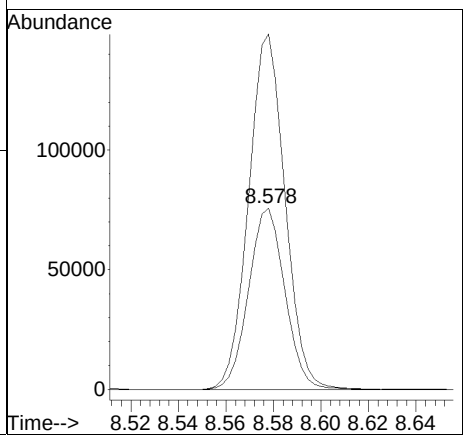


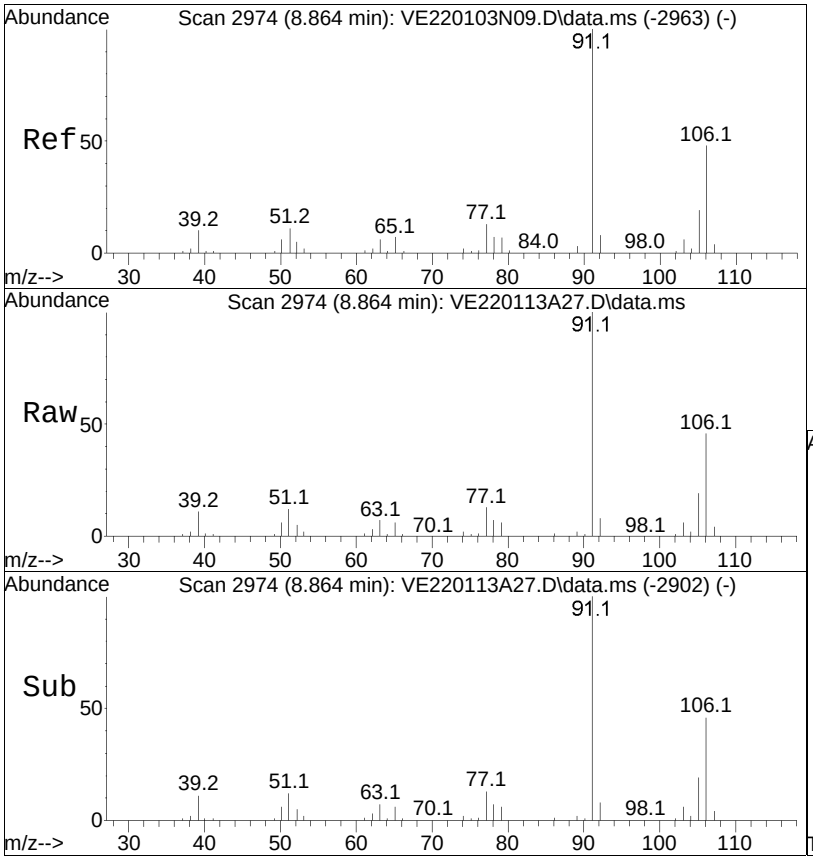


#76
p/m Xylene
Concen: 20.71 ug/L
RT: 8.578 min Scan# 2871
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:106 Resp: 80530

Ion	Ratio	Lower	Upper
106	100		
91	196.4	166.4	249.6

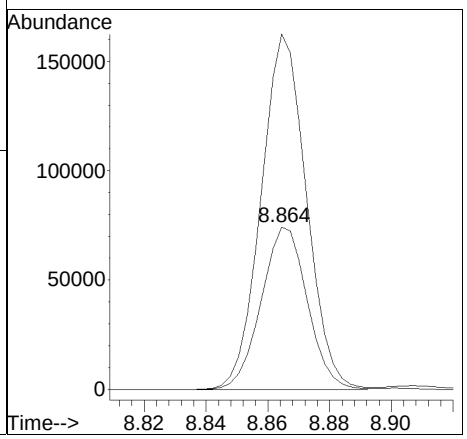


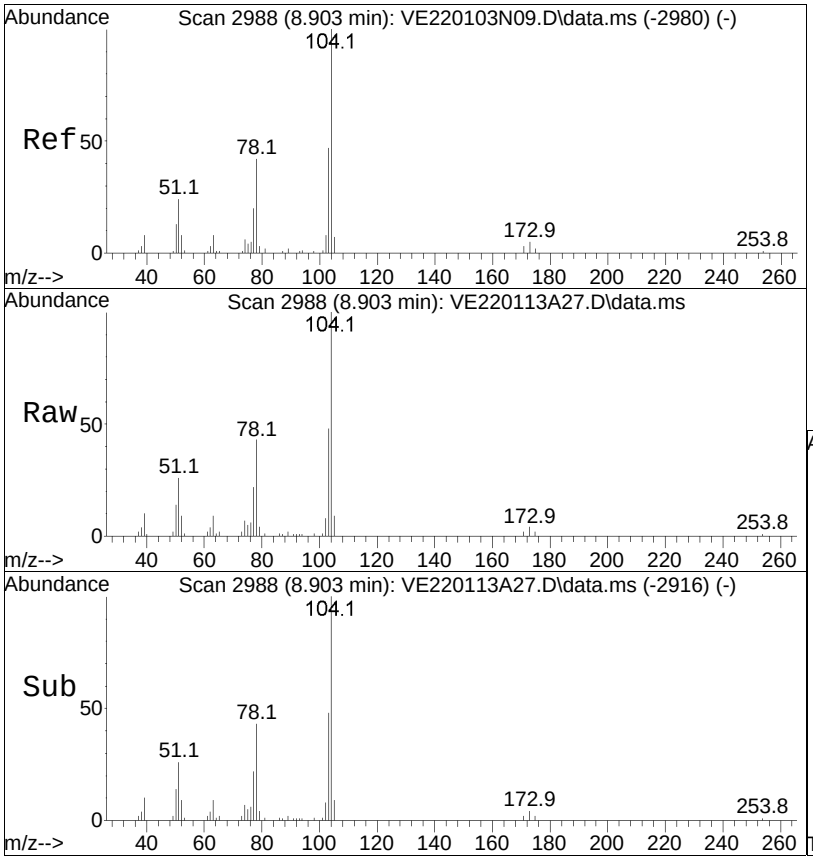


#77
o Xylene
Concen: 20.88 ug/L
RT: 8.864 min Scan# 2974
Delta R.T. -0.001 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:106 Resp: 76865

Ion	Ratio	Lower	Upper
106	100		
91	215.4	182.6	273.8

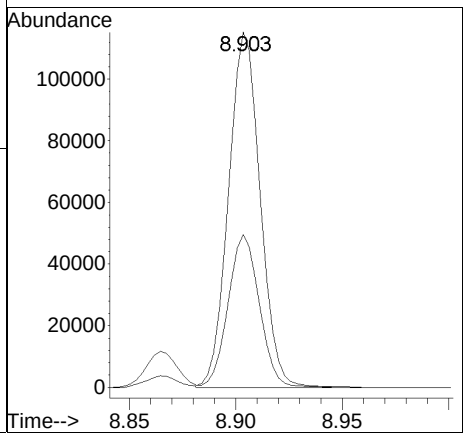


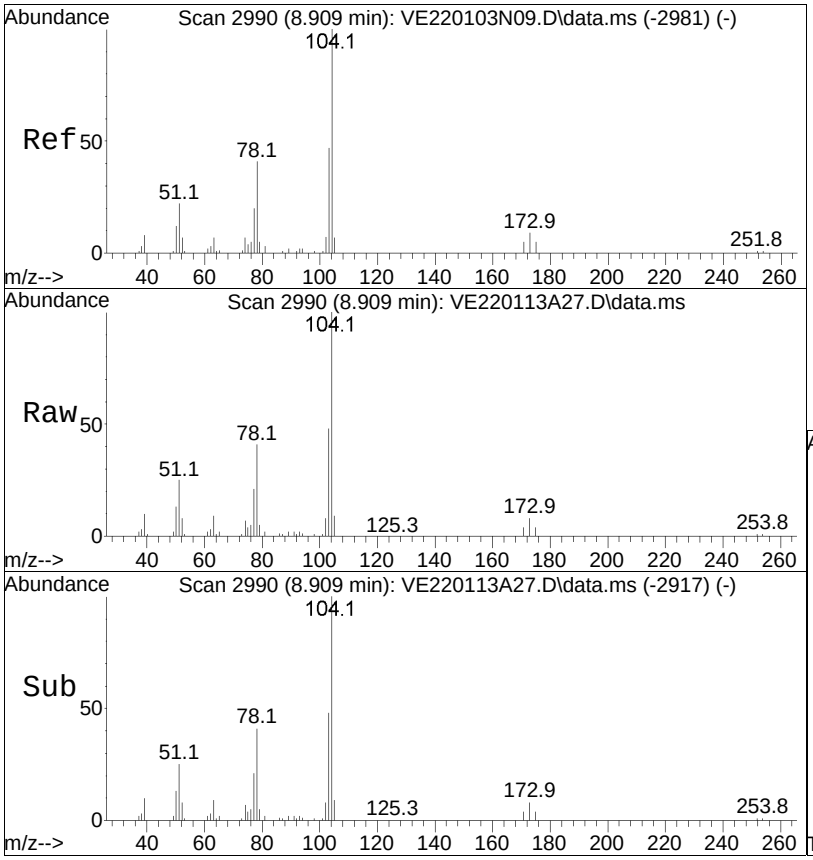


#78
Styrene
Concen: 19.68 ug/L
RT: 8.903 min Scan# 2988
Delta R.T. 0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:104 Resp: 118878

Ion	Ratio	Lower	Upper
104	100		
78	42.4	39.8	59.6

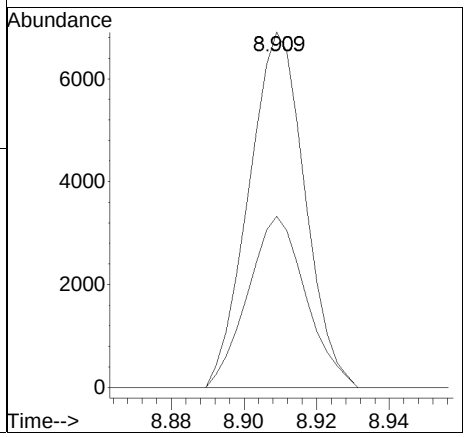


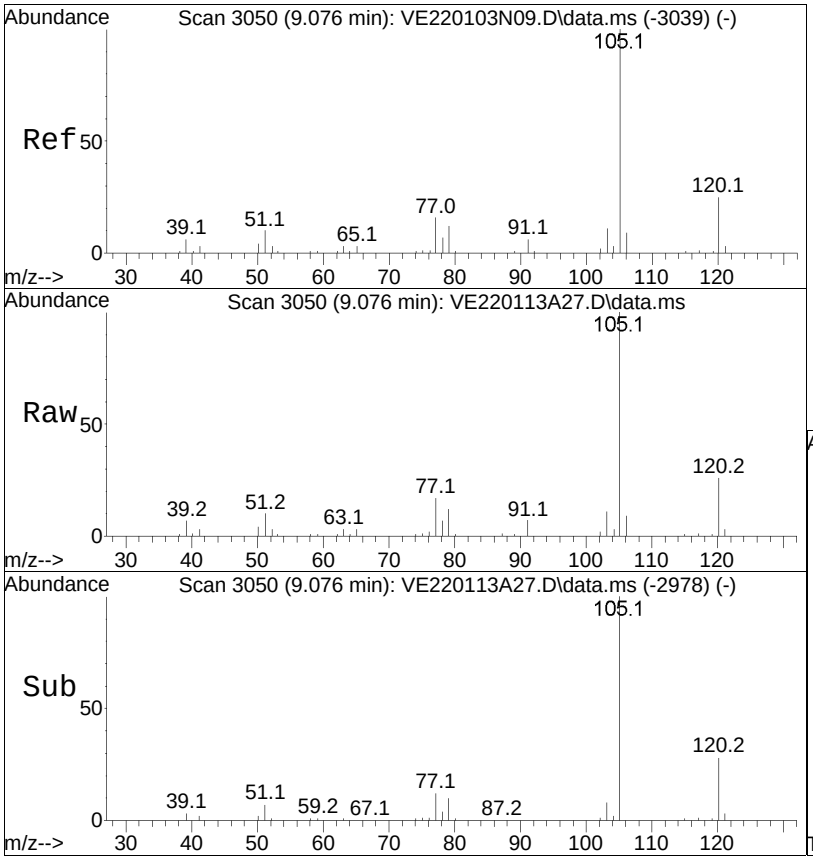


#80
Bromoform
Concen: 7.42 ug/L
RT: 8.909 min Scan# 2990
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:173 Resp: 7386

Ion	Ratio	Lower	Upper
173	100		
175	49.9	31.5	71.5

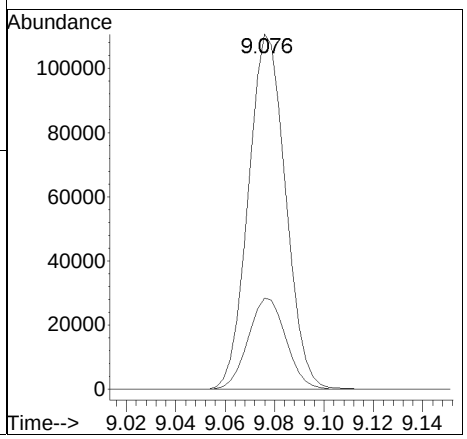


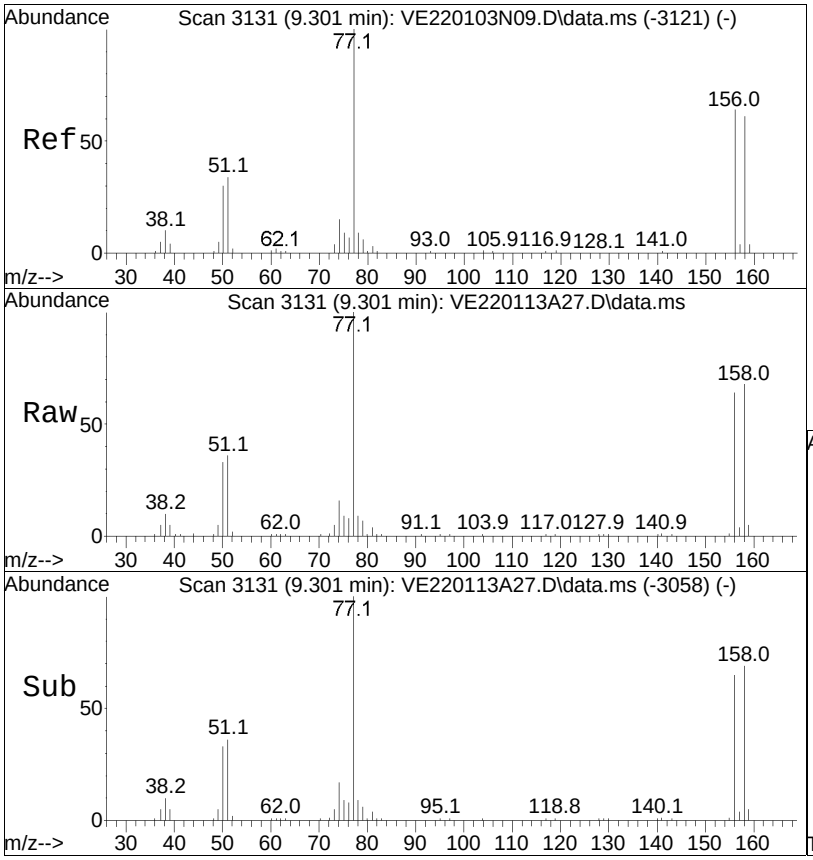


#82
Isopropylbenzene
Concen: 11.99 ug/L
RT: 9.076 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:105 Resp: 116044

Ion	Ratio	Lower	Upper
105	100		
120	26.1	4.8	44.8

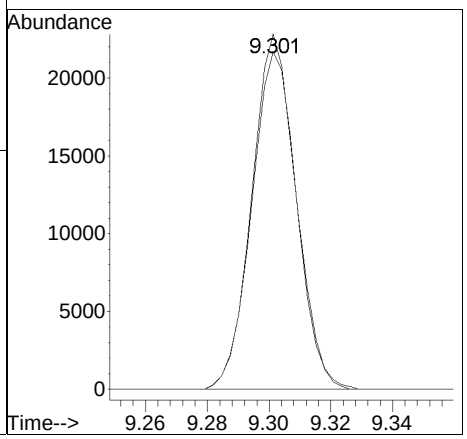


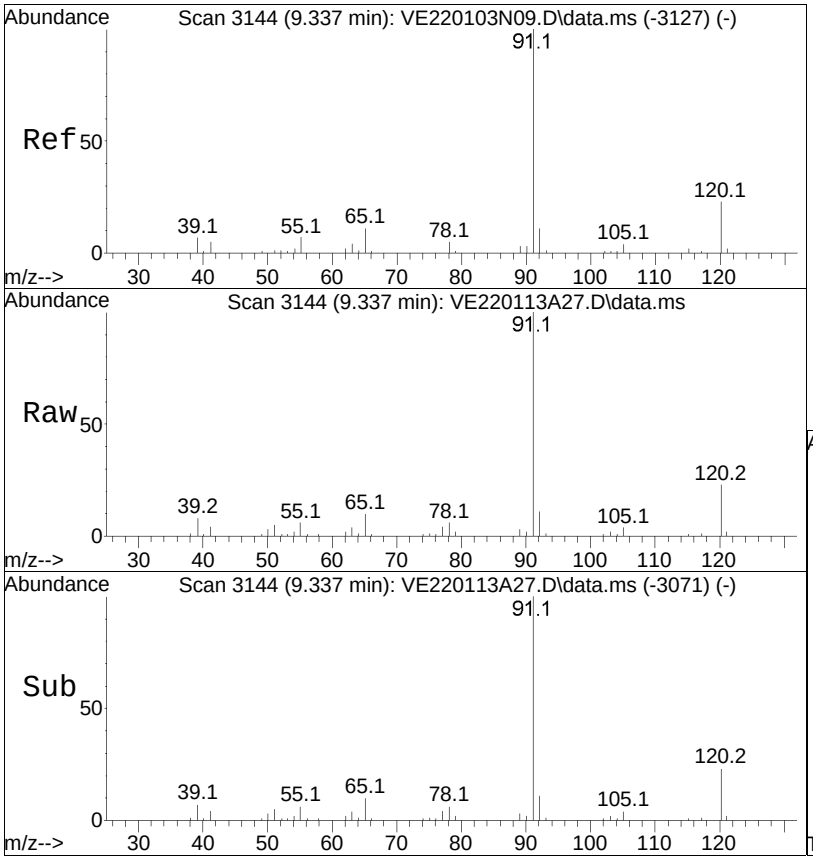


#84
Bromobenzene
Concen: 9.65 ug/L
RT: 9.301 min Scan# 3131
Delta R.T. 0.002 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:156 Resp: 21998

Ion	Ratio	Lower	Upper
156	100		
158	102.9	75.9	113.9

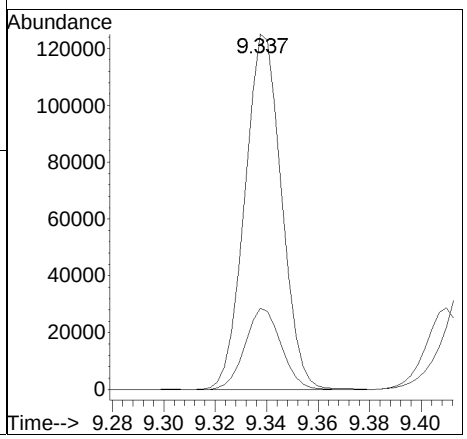


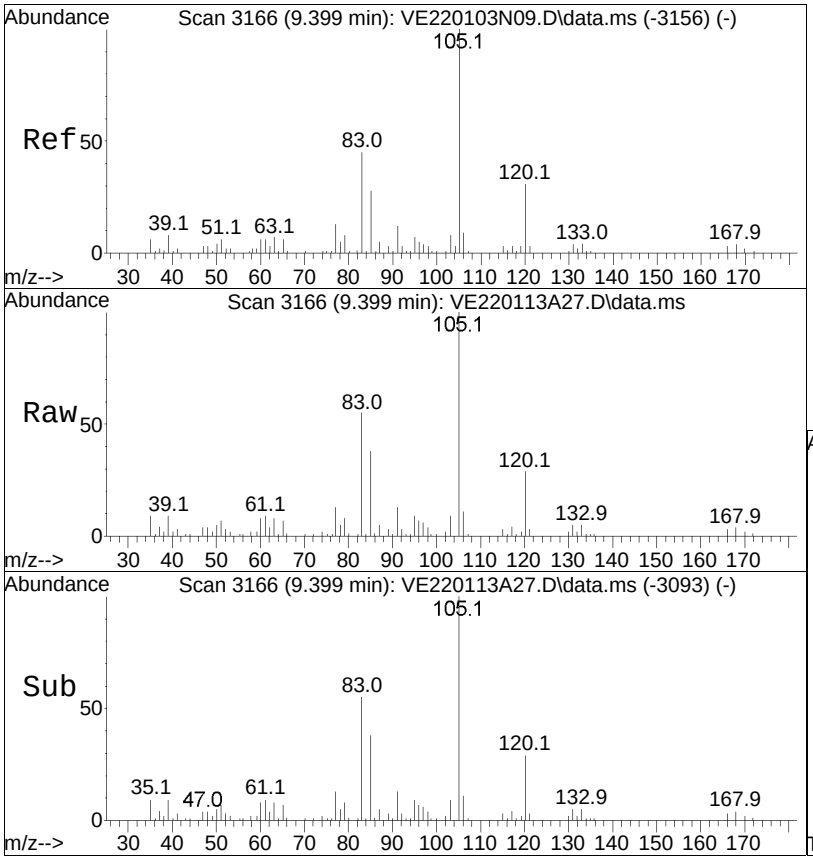


#85
n-Propylbenzene
Concen: 11.04 ug/L
RT: 9.337 min Scan# 3144
Delta R.T. 0.002 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 91 Resp: 123796

Ion	Ratio	Lower	Upper
91	100		
120	22.4	17.0	25.6

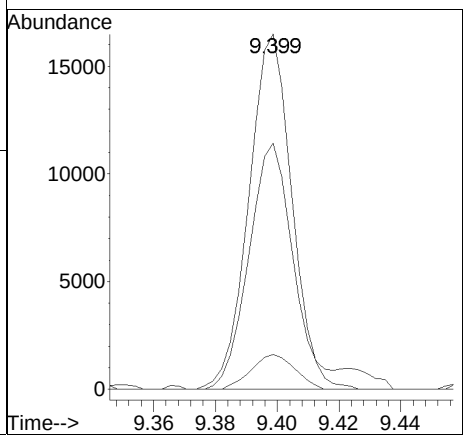


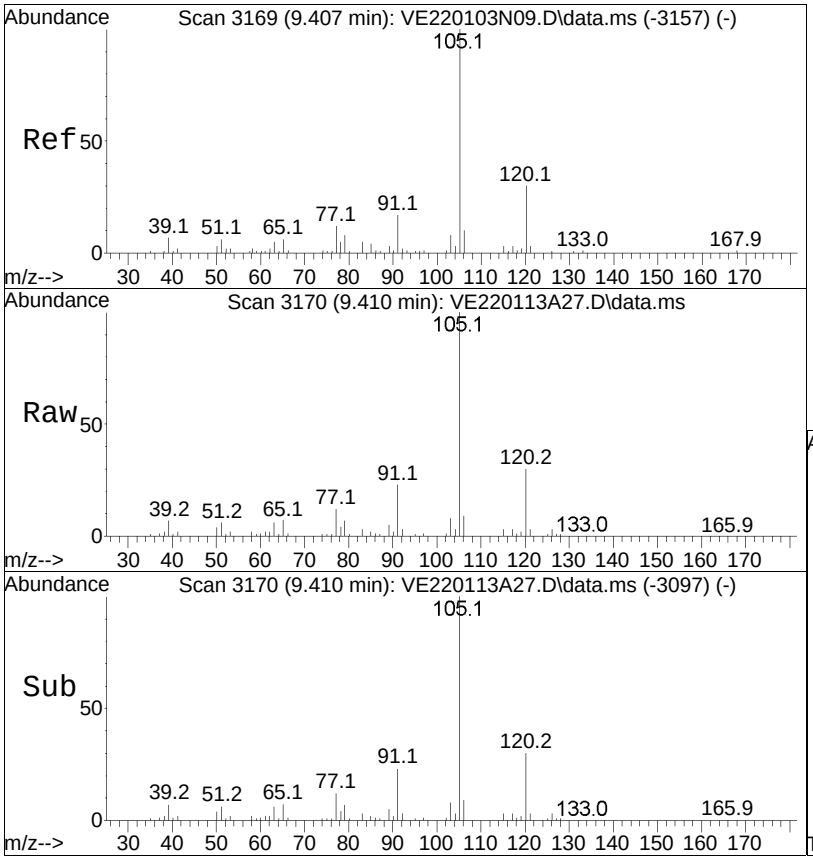


#87
1,1,2,2-Tetrachloroethane
Concen: 10.66 ug/L
RT: 9.399 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 83 Resp: 15963

Ion	Ratio	Lower	Upper
83	100		
131	10.0	0.0	30.4
85	71.8	45.4	85.4

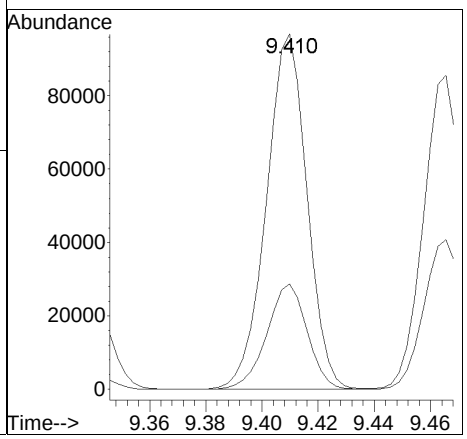


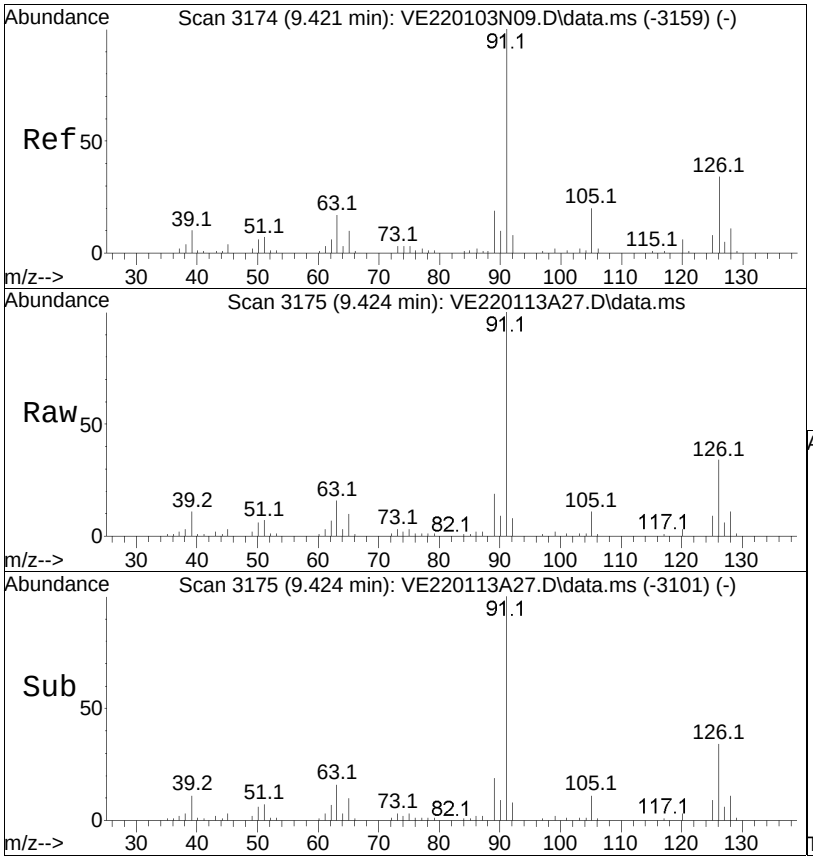


#88
4-Ethyltoluene
Concen: 10.37 ug/L
RT: 9.410 min Scan# 3170
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:105 Resp: 97260

Ion	Ratio	Lower	Upper
105	100		
120	29.4	18.1	37.7

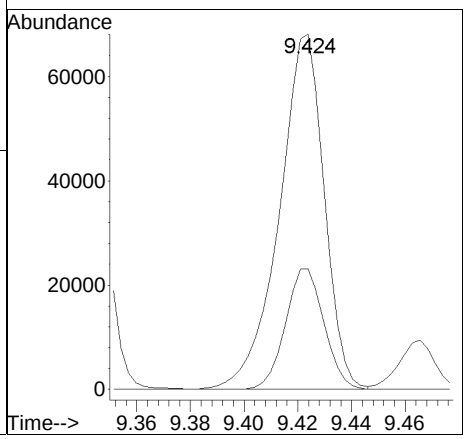


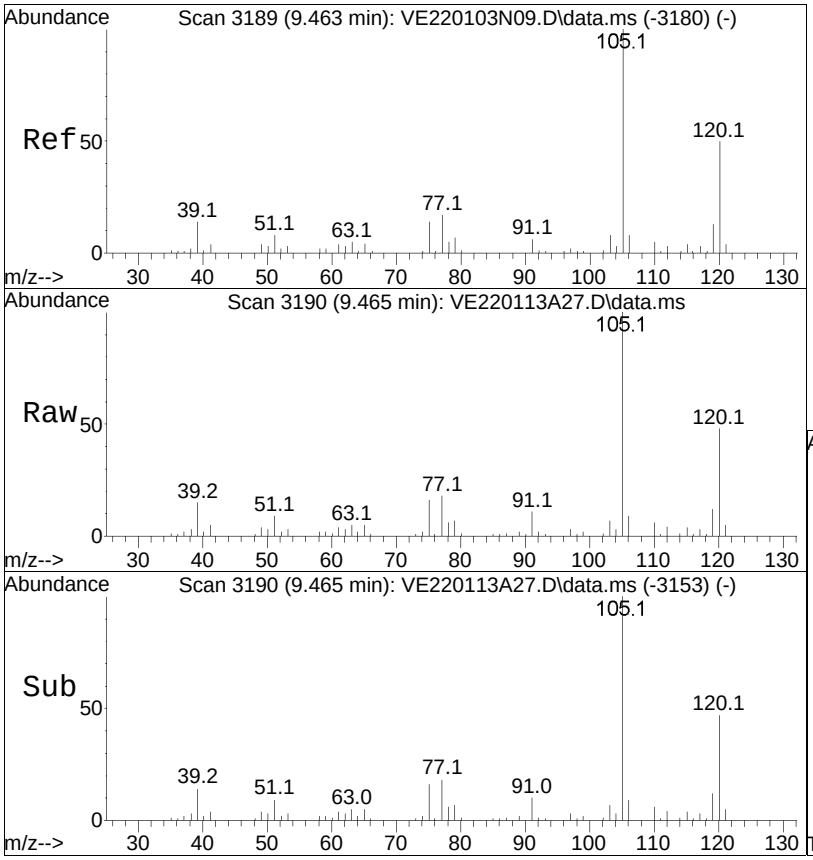


#89
2-Chlorotoluene
Concen: 10.26 ug/L
RT: 9.424 min Scan# 3175
Delta R.T. 0.006 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 91 Resp: 79277

Ion	Ratio	Lower	Upper
91	100		
126	29.1	21.5	32.3

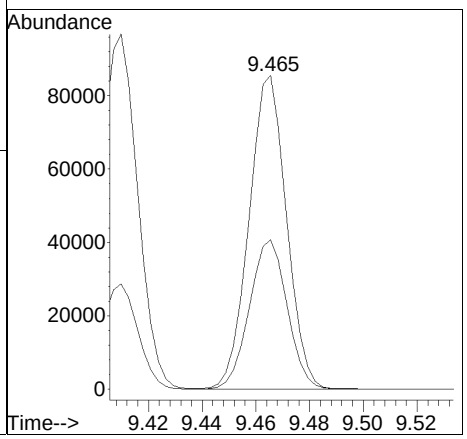


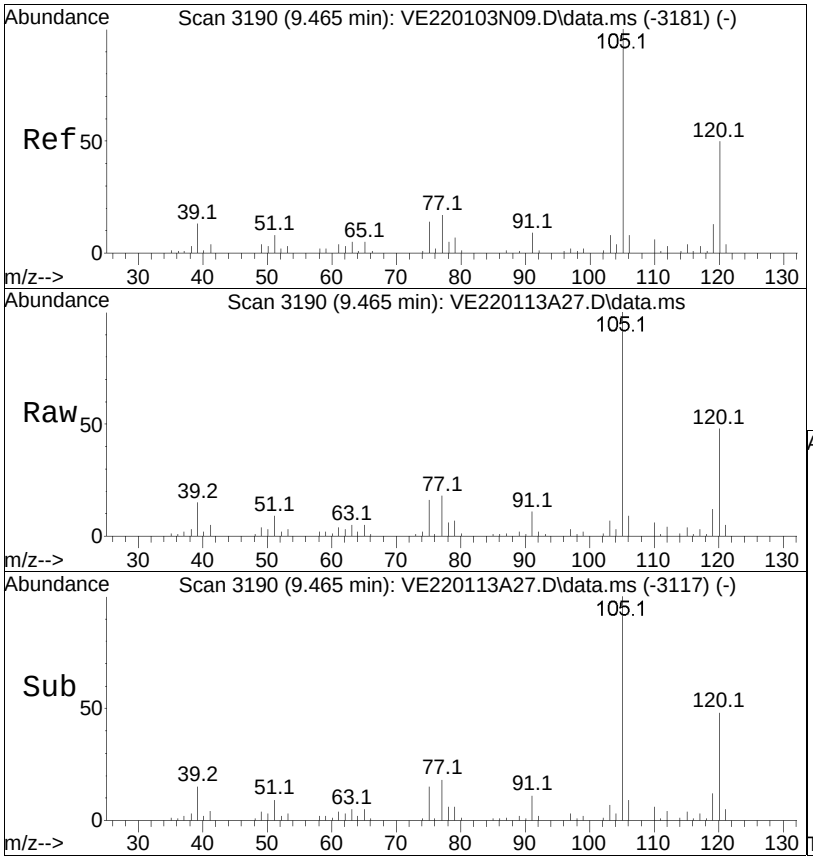


#90
1,3,5-Trimethylbenzene
Concen: 10.41 ug/L
RT: 9.465 min Scan# 3190
Delta R.T. 0.002 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:105 Resp: 83081

Ion	Ratio	Lower	Upper
105	100		
120	48.0	34.8	52.2

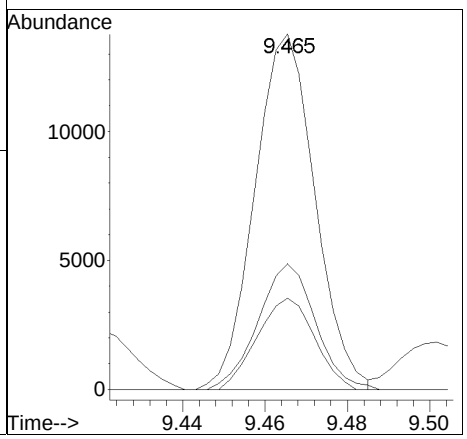


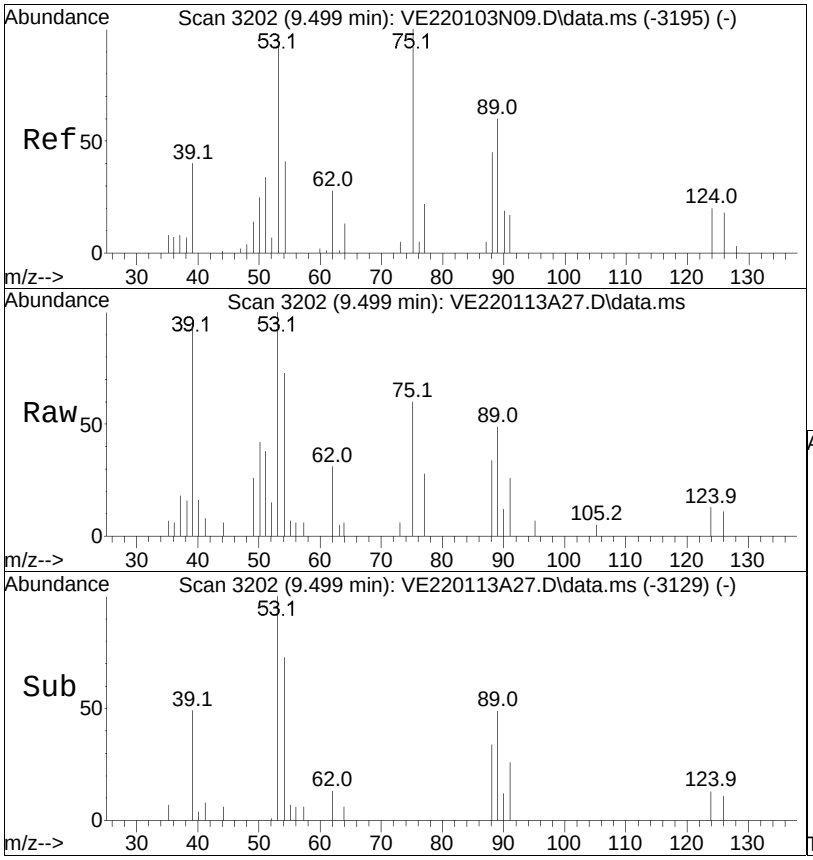


#91
1,2,3-Trichloropropane
Concen: 11.29 ug/L
RT: 9.465 min Scan# 3190
Delta R.T. 0.002 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 75 Resp: 13975

Ion	Ratio	Lower	Upper
75	100		
110	33.7	25.4	52.8
112	24.5	15.6	32.4

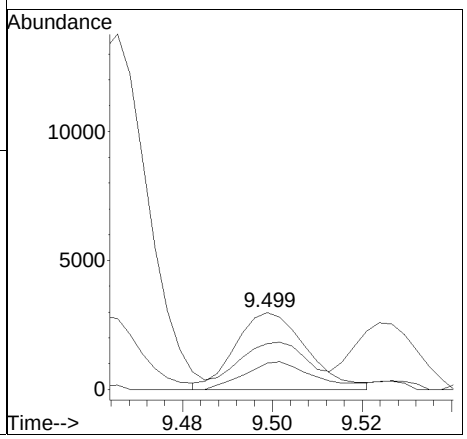


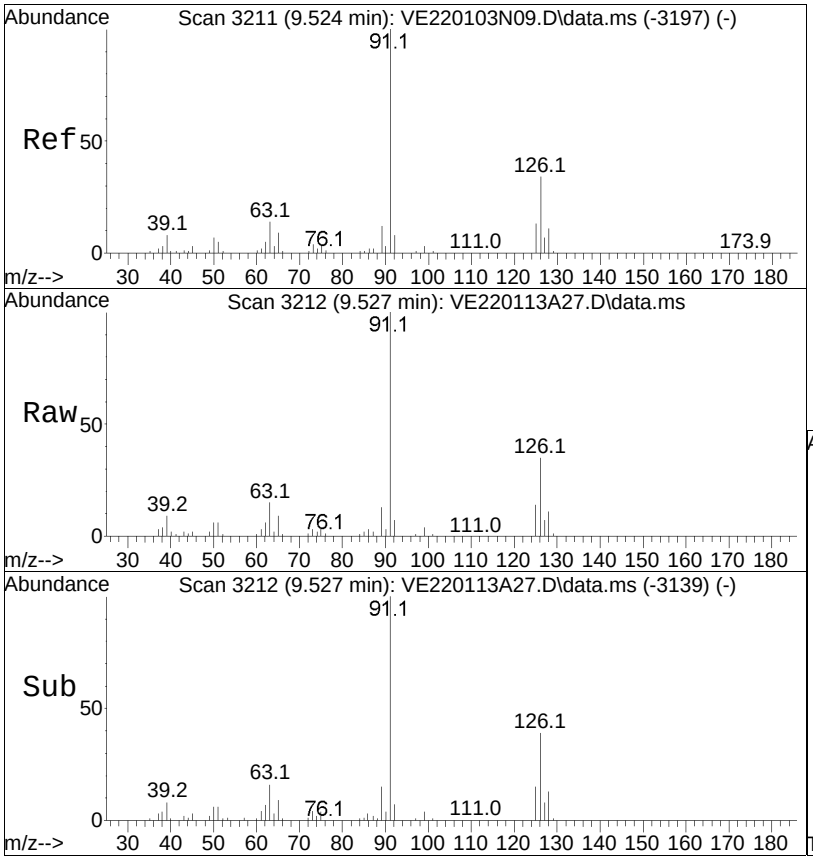


#92
trans-1,4-Dichloro-2-butene
Concen: 7.37 ug/L M4
RT: 9.499 min Scan# 3202
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 53 Resp: 3282

Ion	Ratio	Lower	Upper
53	100		
88	34.5	39.6	59.4#
75	61.5	70.2	105.4#

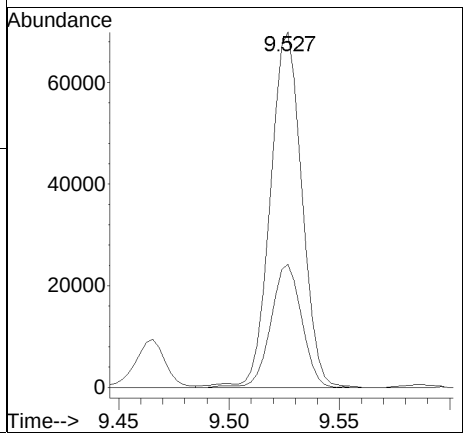


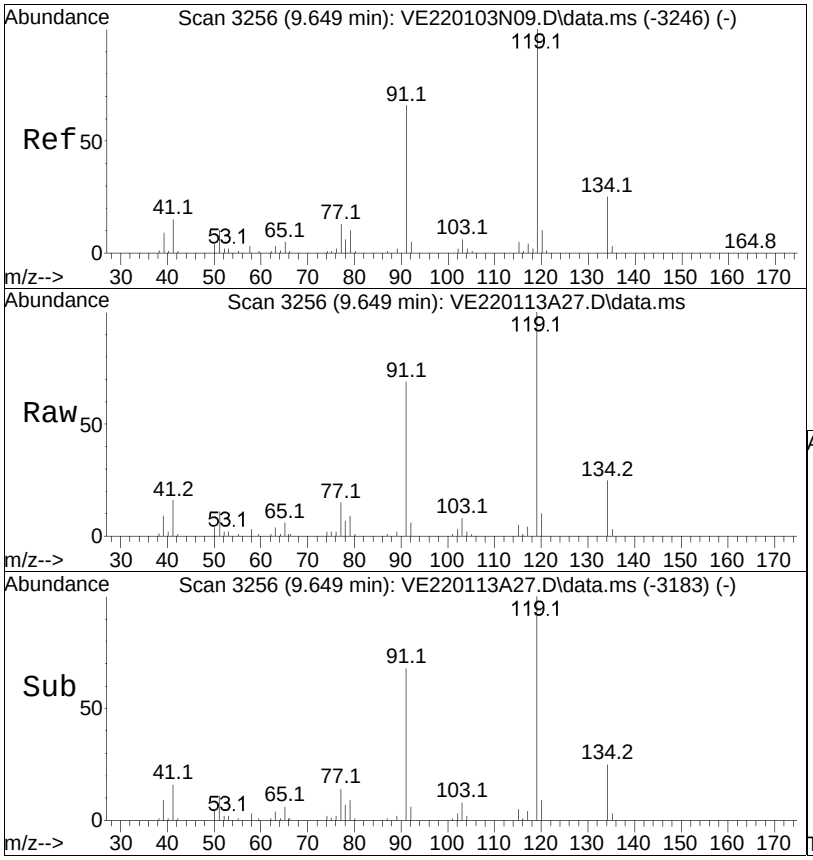


#93
4-Chlorotoluene
Concen: 10.07 ug/L
RT: 9.527 min Scan# 3212
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 91 Resp: 69560

Ion	Ratio	Lower	Upper
91	100		
126	33.8	24.6	36.8

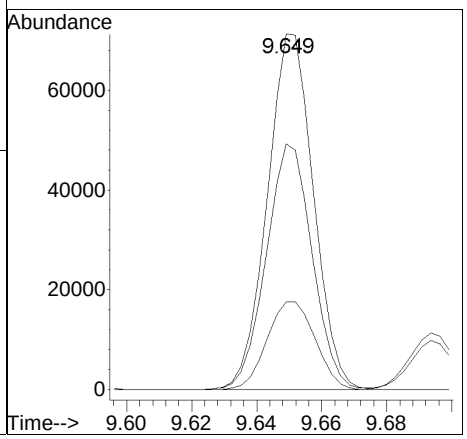


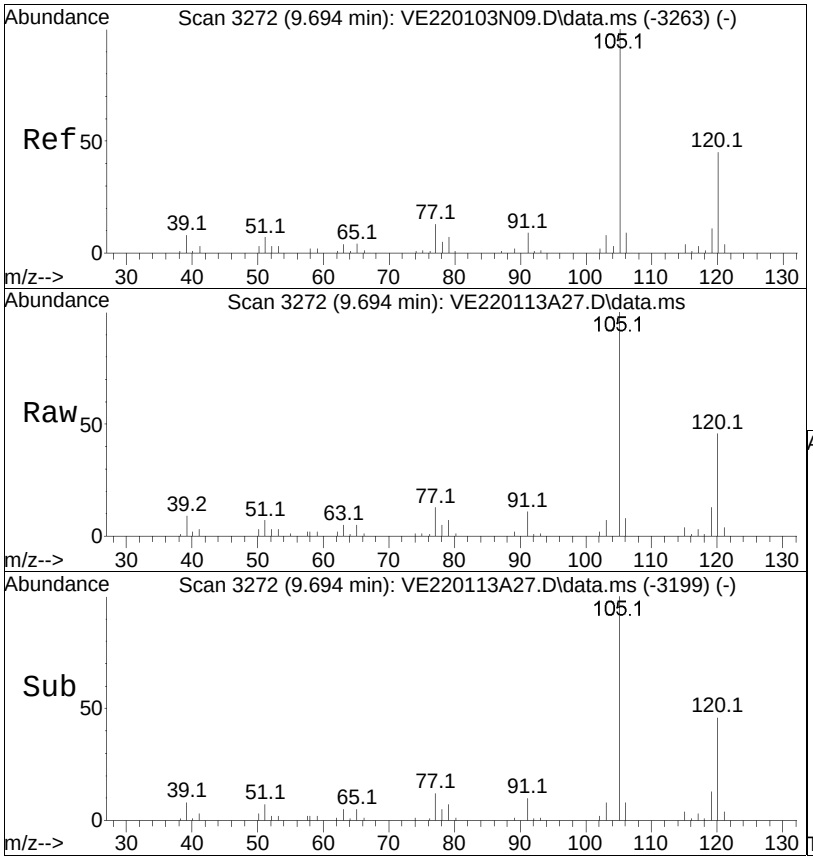


#94
tert-Butylbenzene
Concen: 10.37 ug/L
RT: 9.649 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:119 Resp: 70287

Ion	Ratio	Lower	Upper
119	100		
91	68.8	51.4	77.2
134	25.6	18.3	27.5

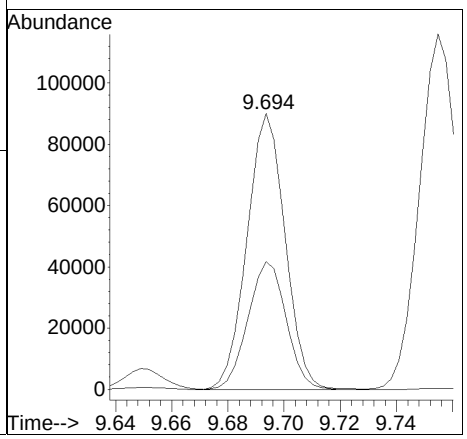


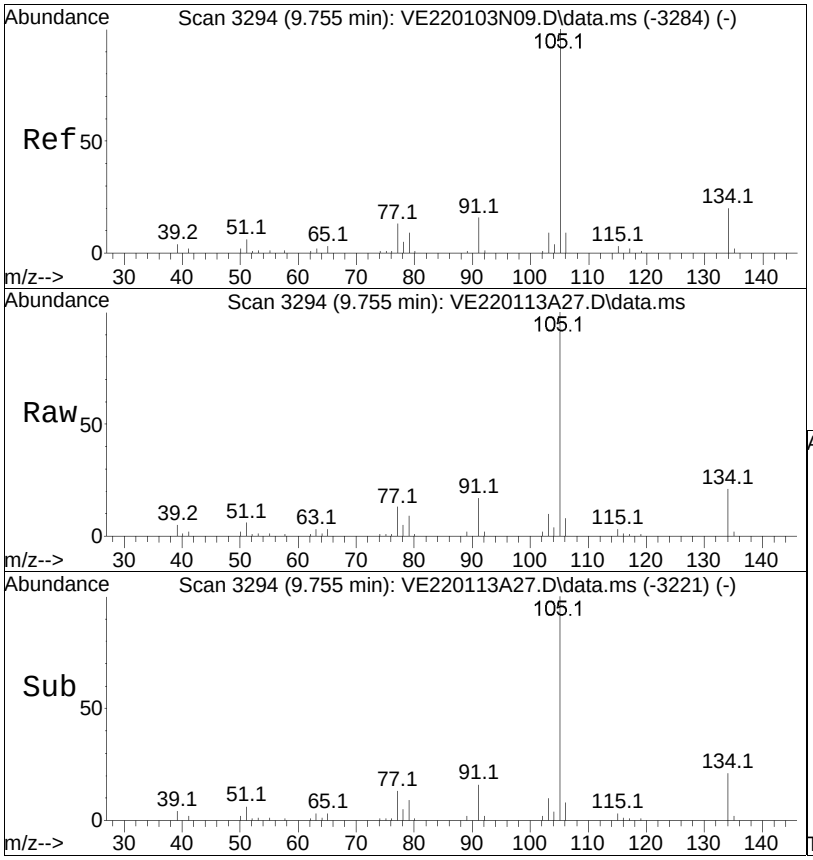


#97
1,2,4-Trimethylbenzene
Concen: 10.70 ug/L
RT: 9.694 min Scan# 3272
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:105 Resp: 84729

Ion	Ratio	Lower	Upper
105	100		
120	46.4	33.4	50.0

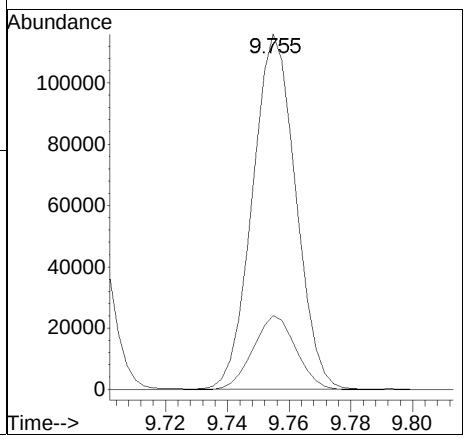


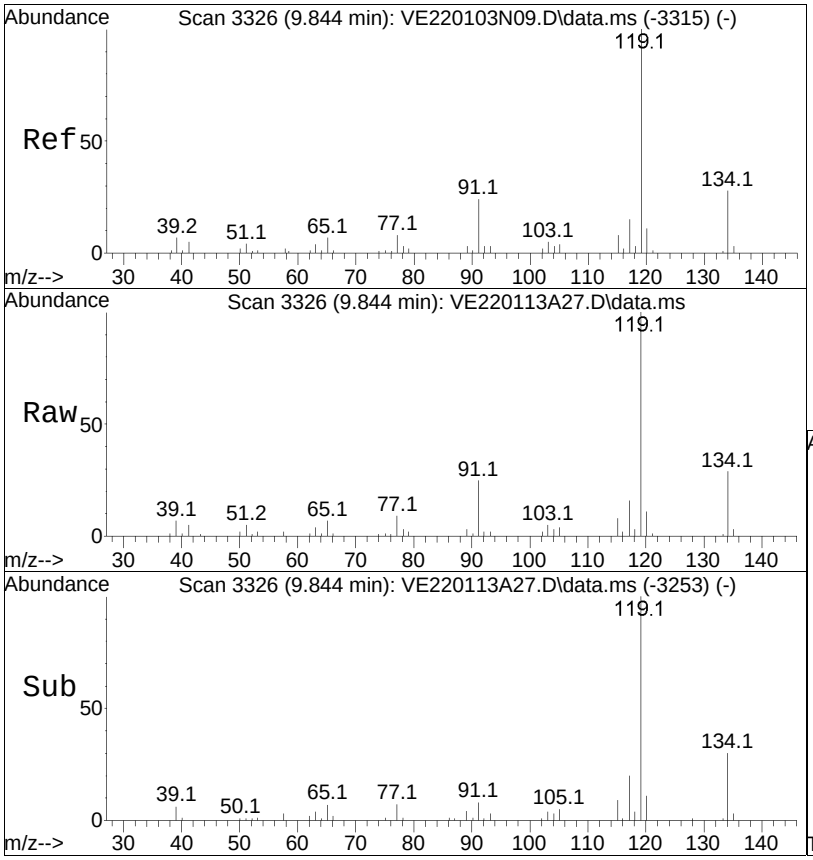


#98
sec-Butylbenzene
Concen: 11.25 ug/L
RT: 9.755 min Scan# 3294
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:105 Resp: 112304

Ion	Ratio	Lower	Upper
105	100		
134	20.5	12.5	26.1

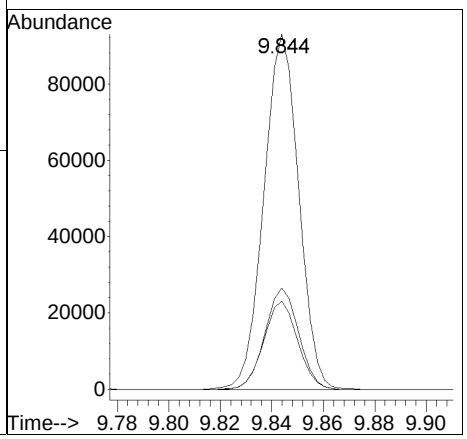


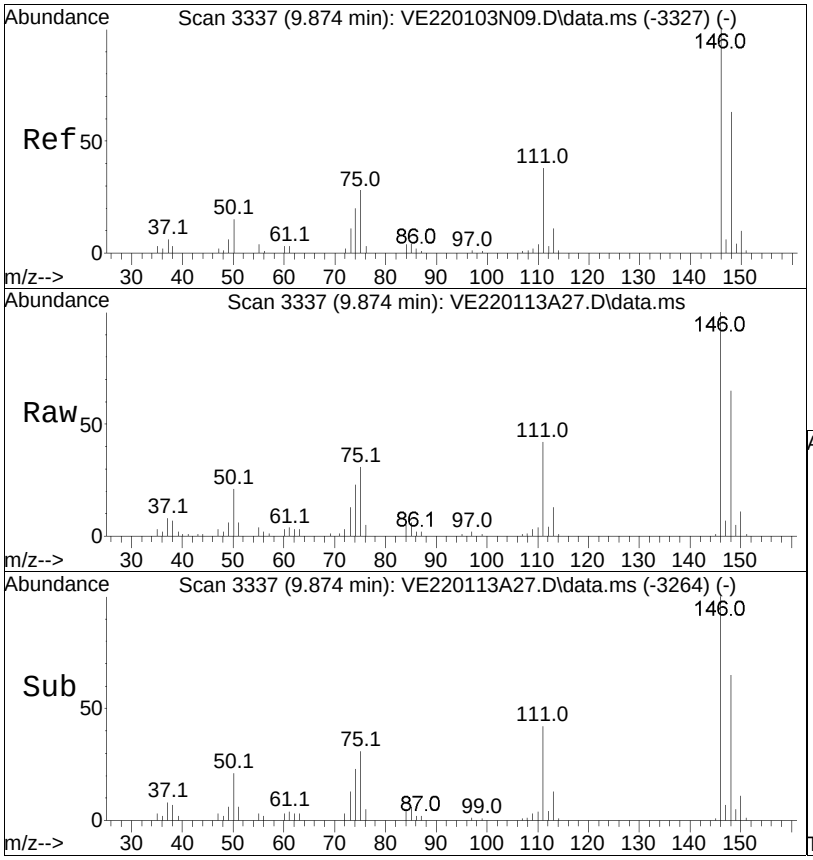


#99
p-Isopropyltoluene
Concen: 10.39 ug/L
RT: 9.844 min Scan# 3326
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:119 Resp: 87667

Ion	Ratio	Lower	Upper
119	100		
134	27.6	16.1	33.3
91	24.3	17.3	35.9

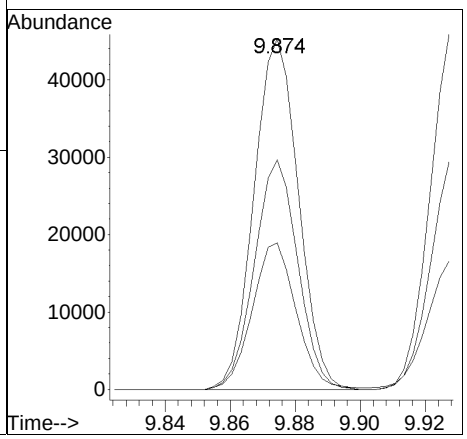


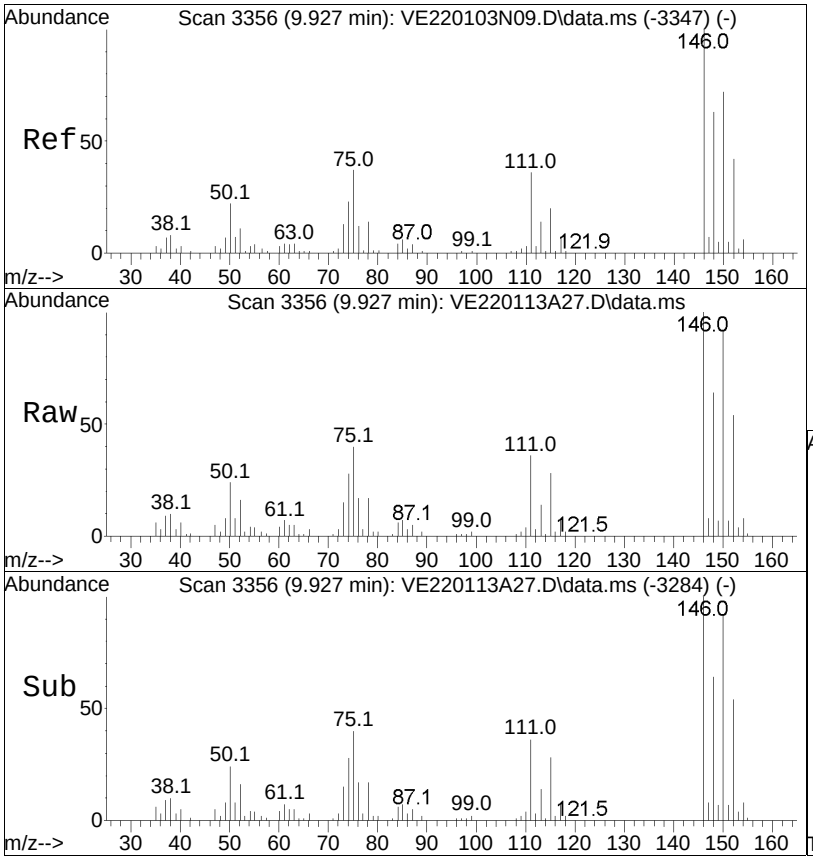


#100
1,3-Dichlorobenzene
Concen: 9.67 ug/L
RT: 9.874 min Scan# 3337
Delta R.T. 0.002 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:146 Resp: 42947

Ion	Ratio	Lower	Upper
146	100		
111	41.5	27.5	57.1
148	63.9	41.9	86.9

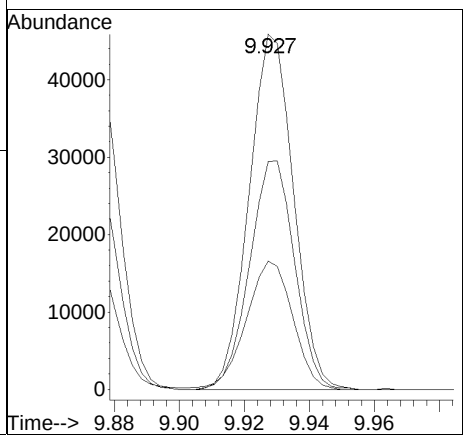


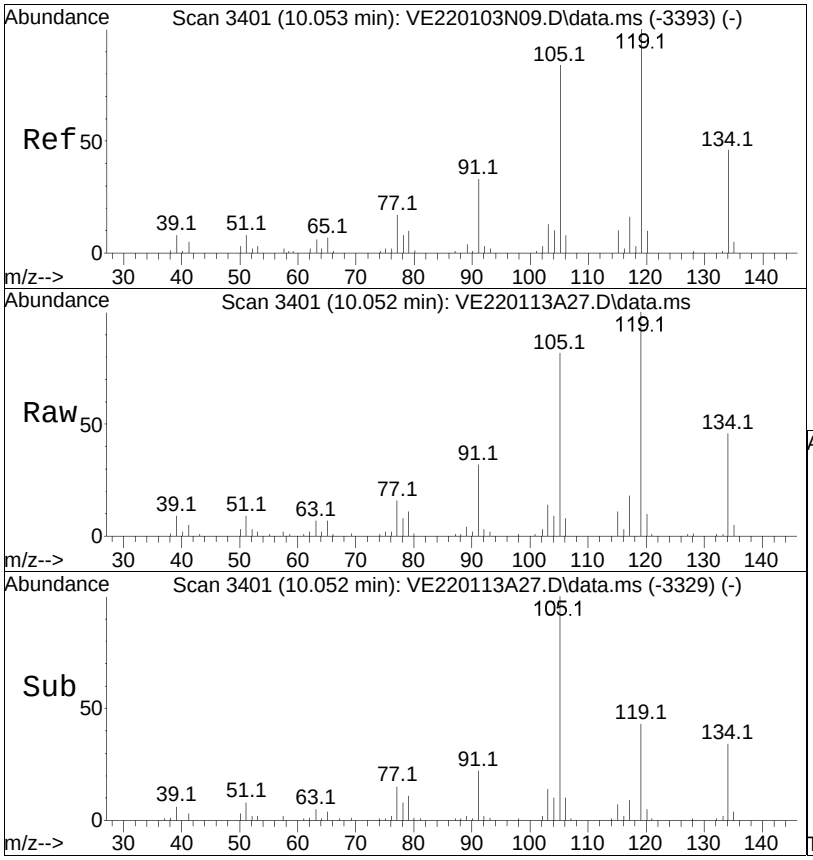


#101
1,4-Dichlorobenzene
Concen: 9.79 ug/L
RT: 9.927 min Scan# 3356
Delta R.T. 0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:146 Resp: 43701

Ion	Ratio	Lower	Upper
146	100		
111	37.7	32.3	48.5
148	65.1	49.9	74.9

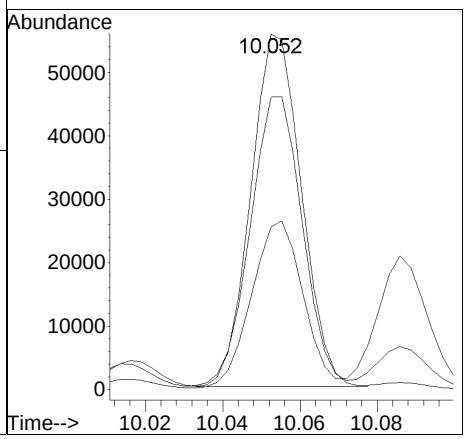


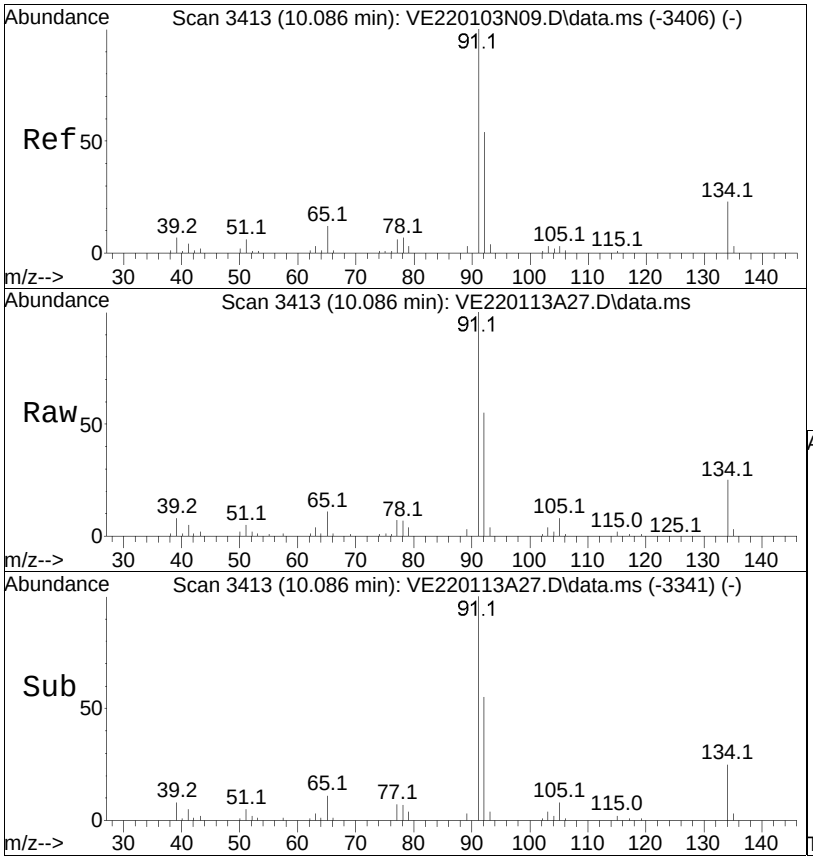


#102
p-Diethylbenzene
Concen: 10.14 ug/L
RT: 10.052 min Scan# 3401
Delta R.T. -0.001 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:119 Resp: 50542

Ion	Ratio	Lower	Upper
119	100		
105	87.4	59.5	123.7
134	49.1	30.2	62.6

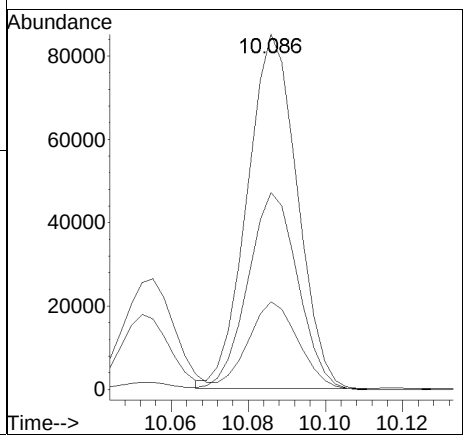


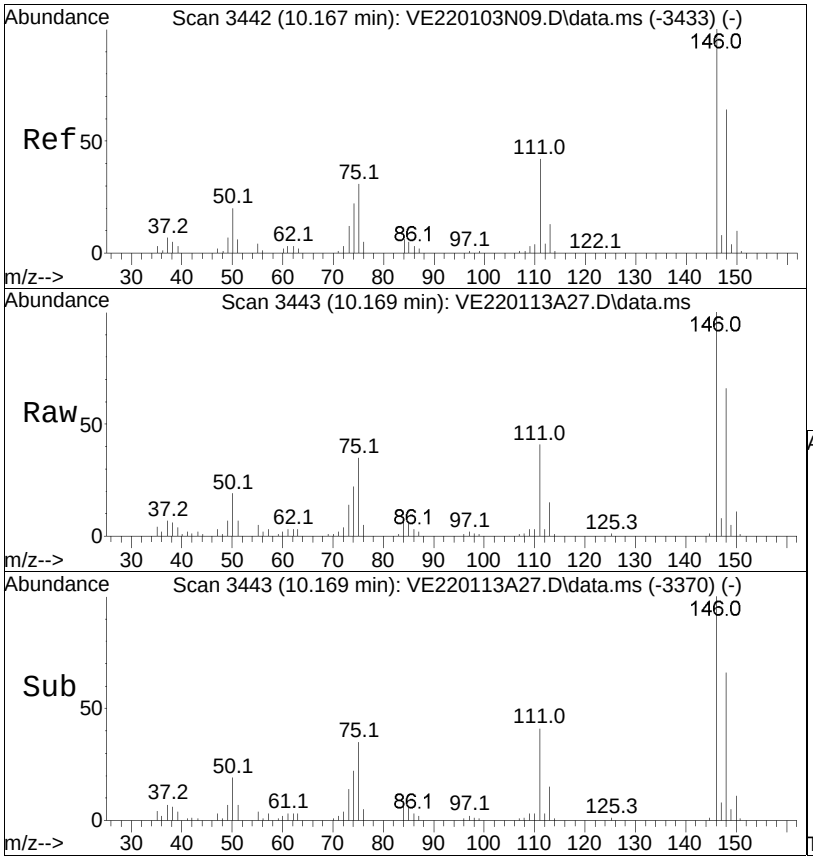


#103
n-Butylbenzene
Concen: 10.59 ug/L
RT: 10.086 min Scan# 3413
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion: 91 Resp: 76700

Ion	Ratio	Lower	Upper
91	100		
92	55.5	43.0	64.4
134	24.6	19.6	29.4

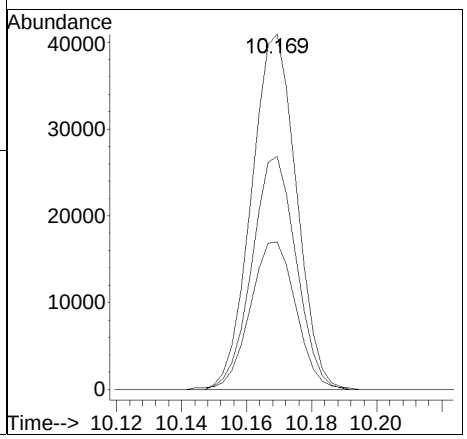


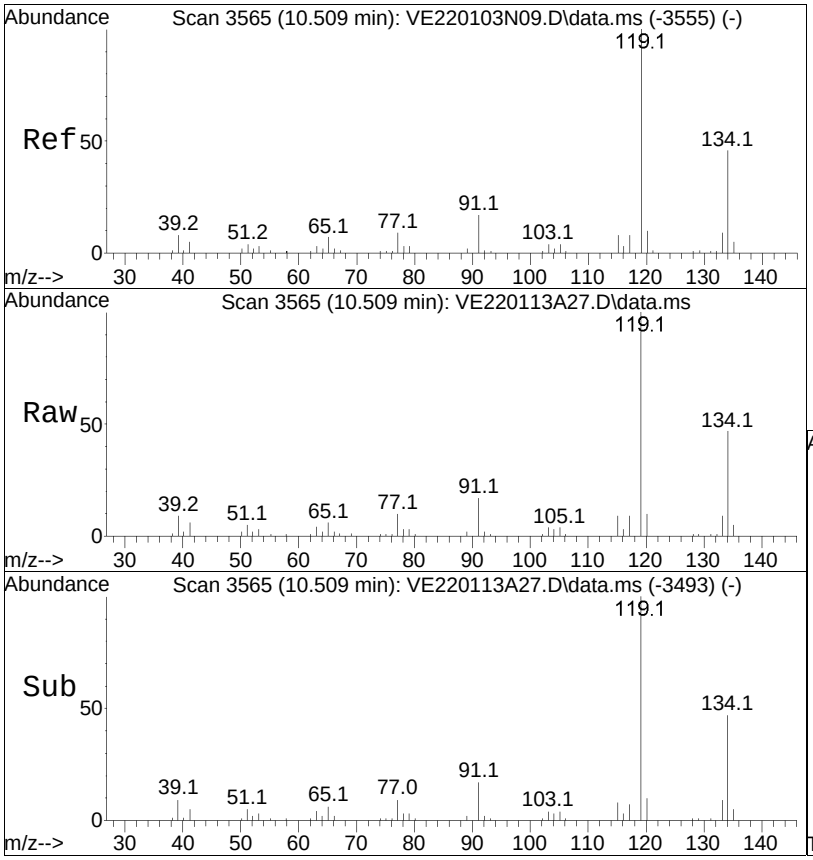


#104
1,2-Dichlorobenzene
Concen: 9.60 ug/L
RT: 10.169 min Scan# 3443
Delta R.T. 0.002 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:146 Resp: 39360

Ion	Ratio	Lower	Upper
146	100		
111	42.2	28.3	58.7
148	64.4	42.3	87.8

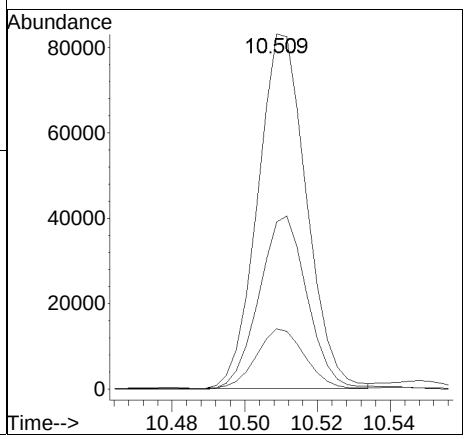


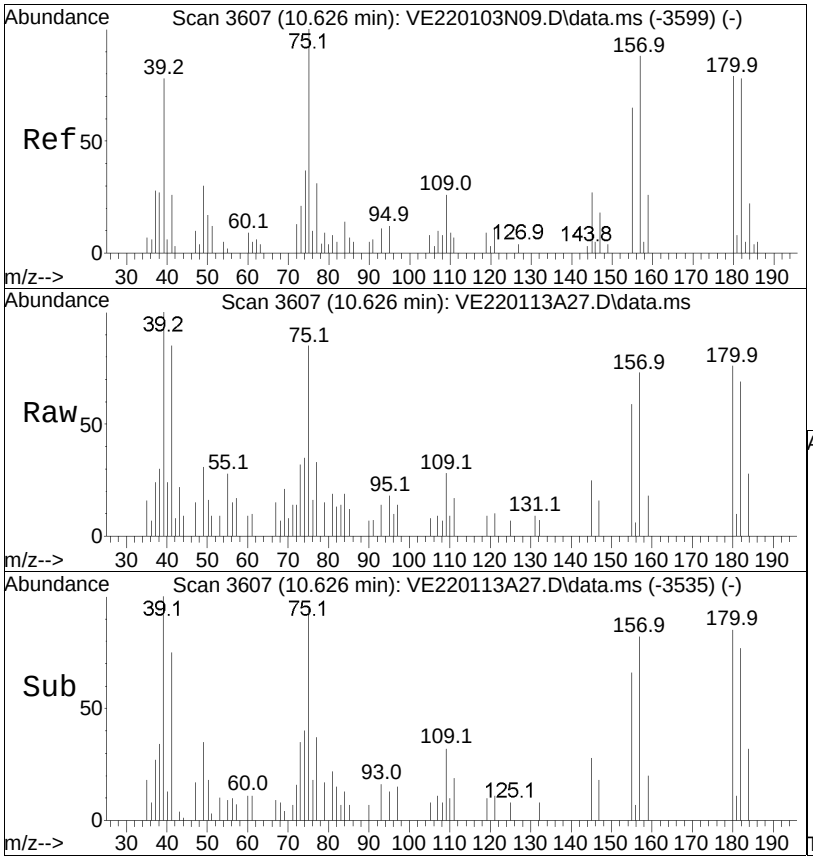


#105
1,2,4,5-Tetramethylbenzene
Concen: 10.17 ug/L
RT: 10.509 min Scan# 3565
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:119 Resp: 77178

Ion	Ratio	Lower	Upper
119	100		
134	49.2	30.5	63.3
91	16.6	12.4	25.7

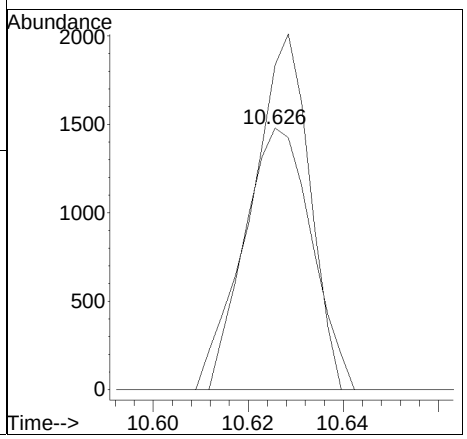


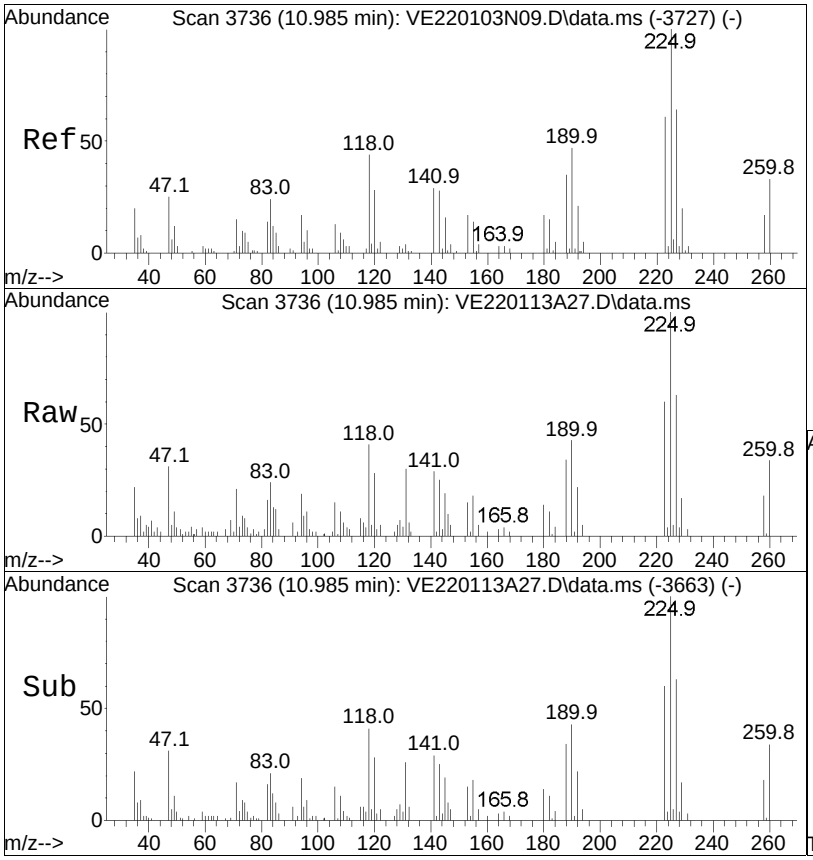


#106
1,2-Dibromo-3-chloropropane
Concen: 6.64 ug/L
RT: 10.626 min Scan# 3607
Delta R.T. -0.000 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:155 Resp: 1445

Ion	Ratio	Lower	Upper
155	100		
157	119.2	94.8	142.2

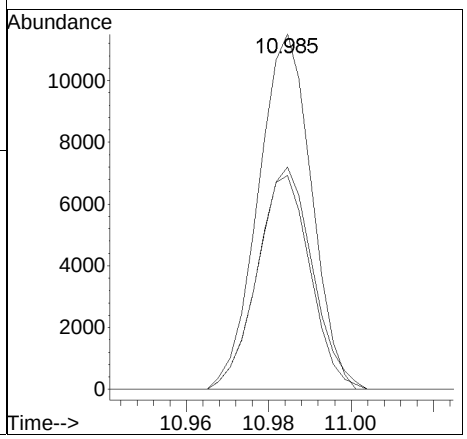


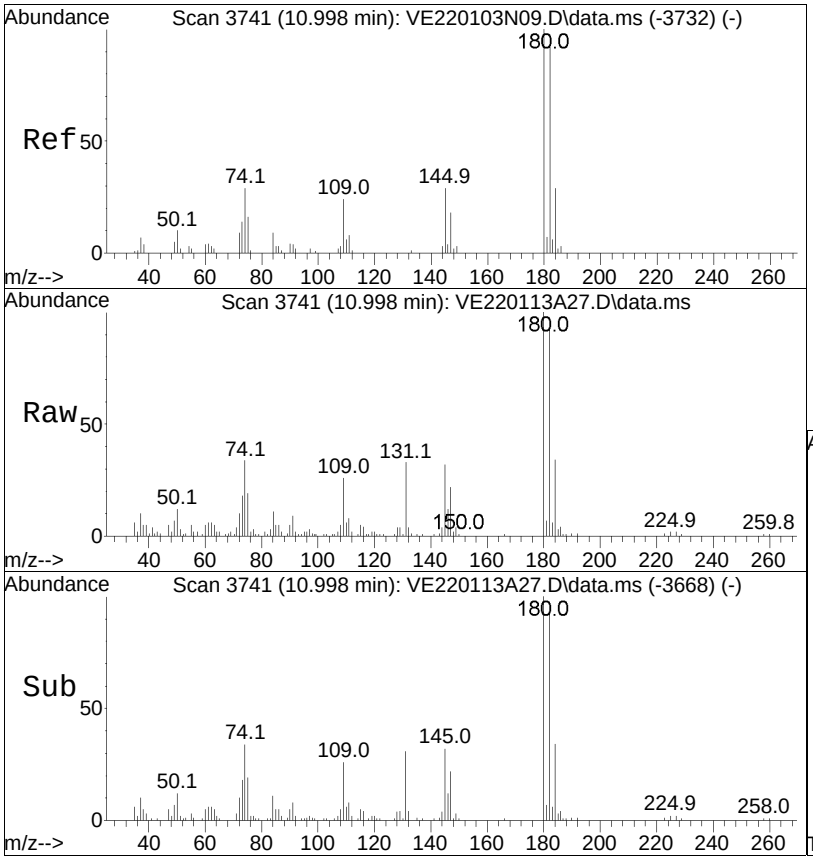


#108
Hexachlorobutadiene
Concen: 9.73 ug/L
RT: 10.985 min Scan# 3736
Delta R.T. 0.003 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:225 Resp: 10310

Ion	Ratio	Lower	Upper
225	100		
223	60.6	54.3	81.5
227	64.3	52.4	78.6

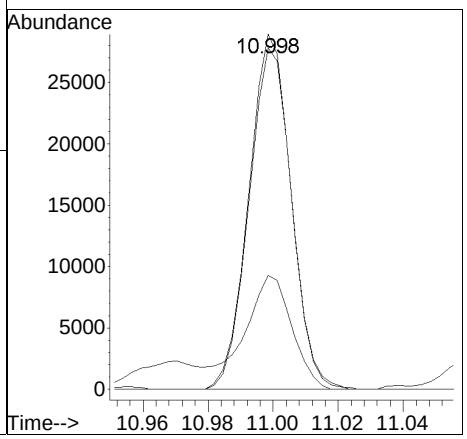


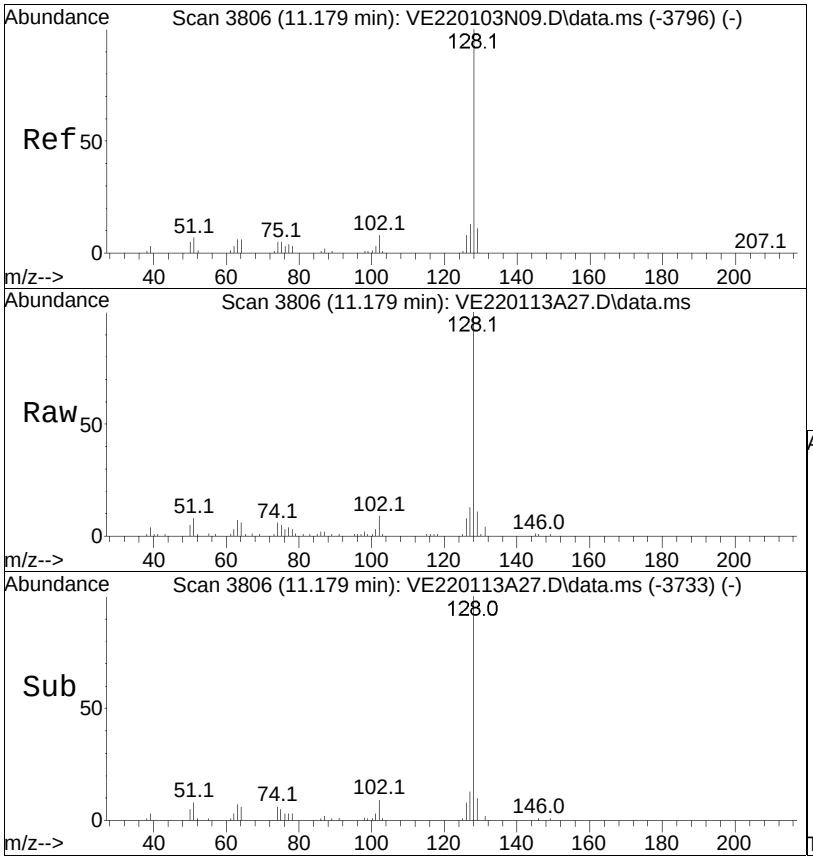


#109
1,2,4-Trichlorobenzene
Concen: 10.20 ug/L
RT: 10.998 min Scan# 3741
Delta R.T. 0.002 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:180 Resp: 26081

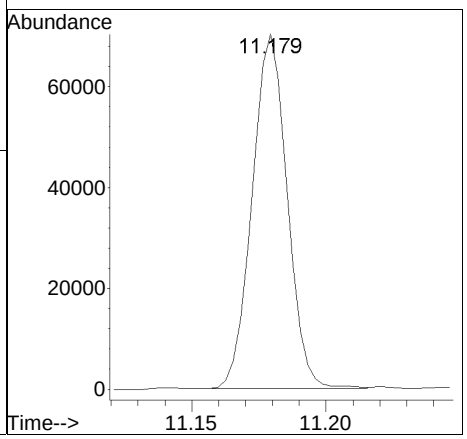
Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.3	115.9
145	36.3	28.1	42.1

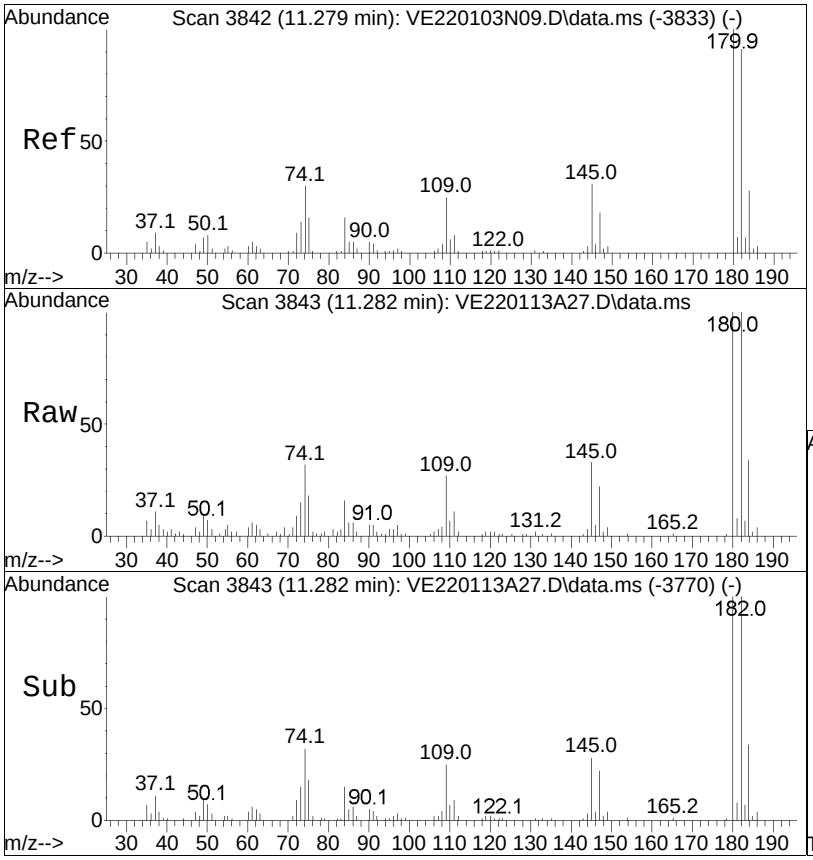




#110
Naphthalene
Concen: 12.78 ug/L
RT: 11.179 min Scan# 3806
Delta R.T. 0.002 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:128 Resp: 63572

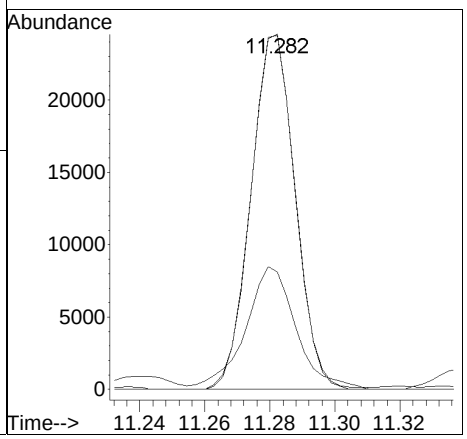




#111
1,2,3-Trichlorobenzene
Concen: 10.69 ug/L
RT: 11.282 min Scan# 3843
Delta R.T. 0.002 min
Lab File: VE220113A27.D
Acq: 13 Jan 2022 7:25 pm

Tgt Ion:180 Resp: 23279

Ion	Ratio	Lower	Upper
180	100		
182	99.7	76.4	114.6
145	39.6	26.4	39.6

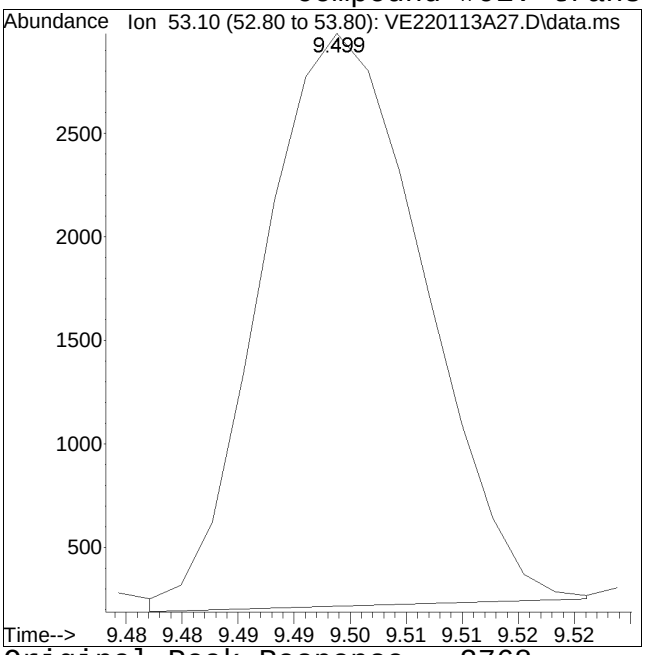


Manual Integration Report

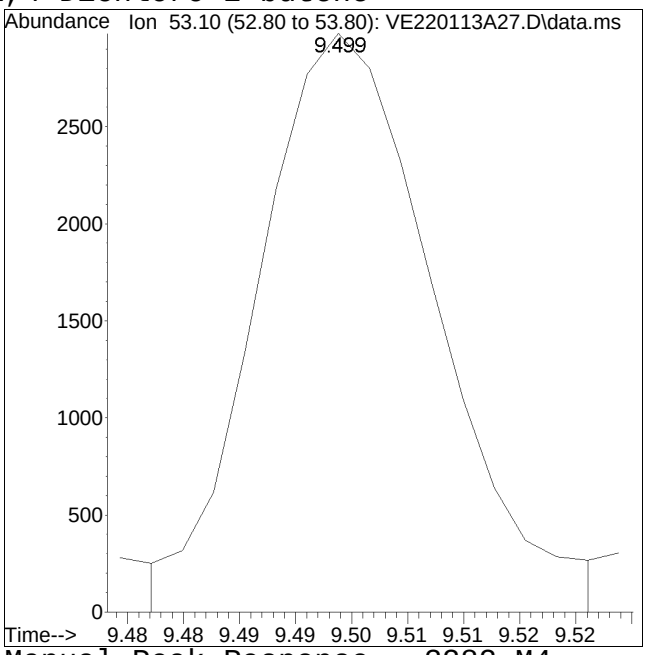
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220113A27.D
Date Inj'd : 1/13/2022 7:25 pm
Sample : WG1594142-6,31,10,10,,A1,P

Method : Elaine_220103N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 1/14/2022 12:01 pm

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 2768



Manual Peak Response = 3282 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A28.D
Acq On : 13 Jan 2022 7:45 pm
Operator : ELAINE:PD
Sample : WG1594142-7,31,10,10,,A2,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:01:43 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.356	96	118838	10.000	ug/L	0.00
Standard Area 1 = 117975			Recovery = 100.73%			
59) Chlorobenzene-d5	8.417	117	89994	10.000	ug/L	0.00
Standard Area 1 = 86573			Recovery = 103.95%			
79) 1,4-Dichlorobenzene-d4	9.922	152	47669	10.000	ug/L	0.00
Standard Area 1 = 45323			Recovery = 105.18%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.352	113	29494	10.578	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.78%			
43) 1,2-Dichloroethane-d4	5.008	65	32325	10.826	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.26%			
60) Toluene-d8	7.081	98	120295	10.087	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.87%			
83) 4-Bromofluorobenzene	9.248	95	40548	9.986	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.910	85	40298	13.347	ug/L	99
3) Chloromethane	1.024	50	22544	9.909	ug/L	99
4) Vinyl chloride	1.074	62	50739	19.867	ug/L	95
5) Bromomethane	1.272	94	18521	12.613	ug/L	97
6) Chloroethane	1.347	64	33175	19.228	ug/L	97
7) Trichlorofluoromethane	1.441	101	66253	16.035	ug/L	94
8) Ethyl ether	1.664	74	10622	11.485	ug/L	63
10) 1,1-Dichloroethene	1.792	96	19926	10.678	ug/L #	64
11) Carbon disulfide	1.798	76	50994	10.789	ug/L	99
15) Methylene chloride	2.262	84	22413	10.827	ug/L	74
17) Acetone	2.315	43	3699	13.376	ug/L #	84
18) trans-1,2-Dichloroethene	2.399	96	304144	150.462	ug/L	73
20) Methyl tert-butyl ether	2.513	73	45505	10.631	ug/L	91
23) 1,1-Dichloroethane	3.011	63	38229	10.114	ug/L	96
25) Acrylonitrile	3.083	53	4390	10.276	ug/L	97
27) Vinyl acetate	3.364	43	25999	7.480	ug/L #	91
28) cis-1,2-Dichloroethene	3.670	96	196393	87.512	ug/L #	67
29) 2,2-Dichloropropane	3.801	77	19075	5.813	ug/L #	63
30) Bromochloromethane	3.937	128	9703	10.173	ug/L #	66
32) Chloroform	4.098	83	38603	10.509	ug/L	96

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A28.D
Acq On : 13 Jan 2022 7:45 pm
Operator : ELAINE:PD
Sample : WG1594142-7,31,10,10,,A2,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:01:43 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.218	117	23615	8.805	ug/L	#	94
37) 1,1,1-Trichloroethane	4.318	97	31241	9.824	ug/L	#	96
39) 2-Butanone	4.549	43	4069	9.589	ug/L	#	86
40) 1,1-Dichloropropene	4.505	75	30047	11.101	ug/L		96
41) Benzene	4.819	78	88272	10.622	ug/L	#	89
44) 1,2-Dichloroethane	5.092	62	26242	11.184	ug/L		99
48) Trichloroethene	5.554	95	26530	12.528	ug/L	#	92
50) Dibromomethane	6.018	93	11968	11.417	ug/L		95
51) 1,2-Dichloropropane	6.127	63	20378	9.840	ug/L		99
54) Bromodichloromethane	6.244	83	26429	9.670	ug/L		98
57) 1,4-Dioxane	6.469	88	5873	869.952	ug/L	#	68
58) cis-1,3-Dichloropropene	6.906	75	25885	8.470	ug/L		97
61) Toluene	7.131	92	56681	10.246	ug/L		99
62) 4-Methyl-2-pentanone	7.560	58	4439	11.579	ug/L	#	89
63) Tetrachloroethene	7.496	166	24348	10.852	ug/L		94
65) trans-1,3-Dichloropropene	7.576	75	17705	6.890	ug/L		89
68) 1,1,2-Trichloroethane	7.710	83	13405	11.110	ug/L		95
69) Chlorodibromomethane	7.849	129	15549	9.139	ug/L		100
70) 1,3-Dichloropropane	7.927	76	28938	11.192	ug/L		99
71) 1,2-Dibromoethane	8.008	107	13243	9.465	ug/L		94
72) 2-Hexanone	8.261	43	7987	11.474	ug/L		91
73) Chlorobenzene	8.428	112	61626	10.816	ug/L		91
74) Ethylbenzene	8.467	91	134263	12.809	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.489	131	15802	7.909	ug/L		97
76) p/m Xylene	8.578	106	83499	20.647	ug/L		94
77) o Xylene	8.864	106	82217	21.482	ug/L		89
78) Styrene	8.903	104	131239	20.898	ug/L		89
80) Bromoform	8.909	173	8302	8.194	ug/L		99
82) Isopropylbenzene	9.076	105	118731	12.043	ug/L		96
84) Bromobenzene	9.301	156	23958	10.315	ug/L		97
85) n-Propylbenzene	9.337	91	125972	11.032	ug/L		97
87) 1,1,2,2-Tetrachloroethane	9.399	83	18582	12.186	ug/L		99
88) 4-Ethyltoluene	9.410	105	99424	10.410	ug/L		94
89) 2-Chlorotoluene	9.424	91	82783	10.519	ug/L		95
90) 1,3,5-Trimethylbenzene	9.465	105	85407	10.507	ug/L		90
91) 1,2,3-Trichloropropane	9.465	75	15549	12.334	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.499	53	3416	7.528	ug/L	#	86
93) 4-Chlorotoluene	9.527	91	73733	10.485	ug/L		95
94) tert-Butylbenzene	9.652	119	71865	10.410	ug/L		97

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A28.D
Acq On : 13 Jan 2022 7:45 pm
Operator : ELAINE:PD
Sample : WG1594142-7,31,10,10,,A2,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:01:43 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220113A\VE220113A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.694	105	88349	10.959	ug/L	93
98)	sec-Butylbenzene	9.755	105	111068	10.921	ug/L	98
99)	p-Isopropyltoluene	9.844	119	88044	10.245	ug/L	96
100)	1,3-Dichlorobenzene	9.874	146	46075	10.190	ug/L	99
101)	1,4-Dichlorobenzene	9.927	146	51116	11.244	ug/L	98
102)	p-Diethylbenzene	10.055	119	50393	9.930	ug/L	98
103)	n-Butylbenzene	10.086	91	78731	10.670	ug/L	97
104)	1,2-Dichlorobenzene	10.169	146	44084	10.558	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.512	119	78190	10.116	ug/L	96
106)	1,2-Dibromo-3-chloropr...	10.626	155	1777	7.944	ug/L	97
108)	Hexachlorobutadiene	10.985	225	10842	10.051	ug/L	92
109)	1,2,4-Trichlorobenzene	10.998	180	29261	11.238	ug/L	97
110)	Naphthalene	11.179	128	70707	13.957	ug/L	100
111)	1,2,3-Trichlorobenzene	11.282	180	26583	11.988	ug/L	98

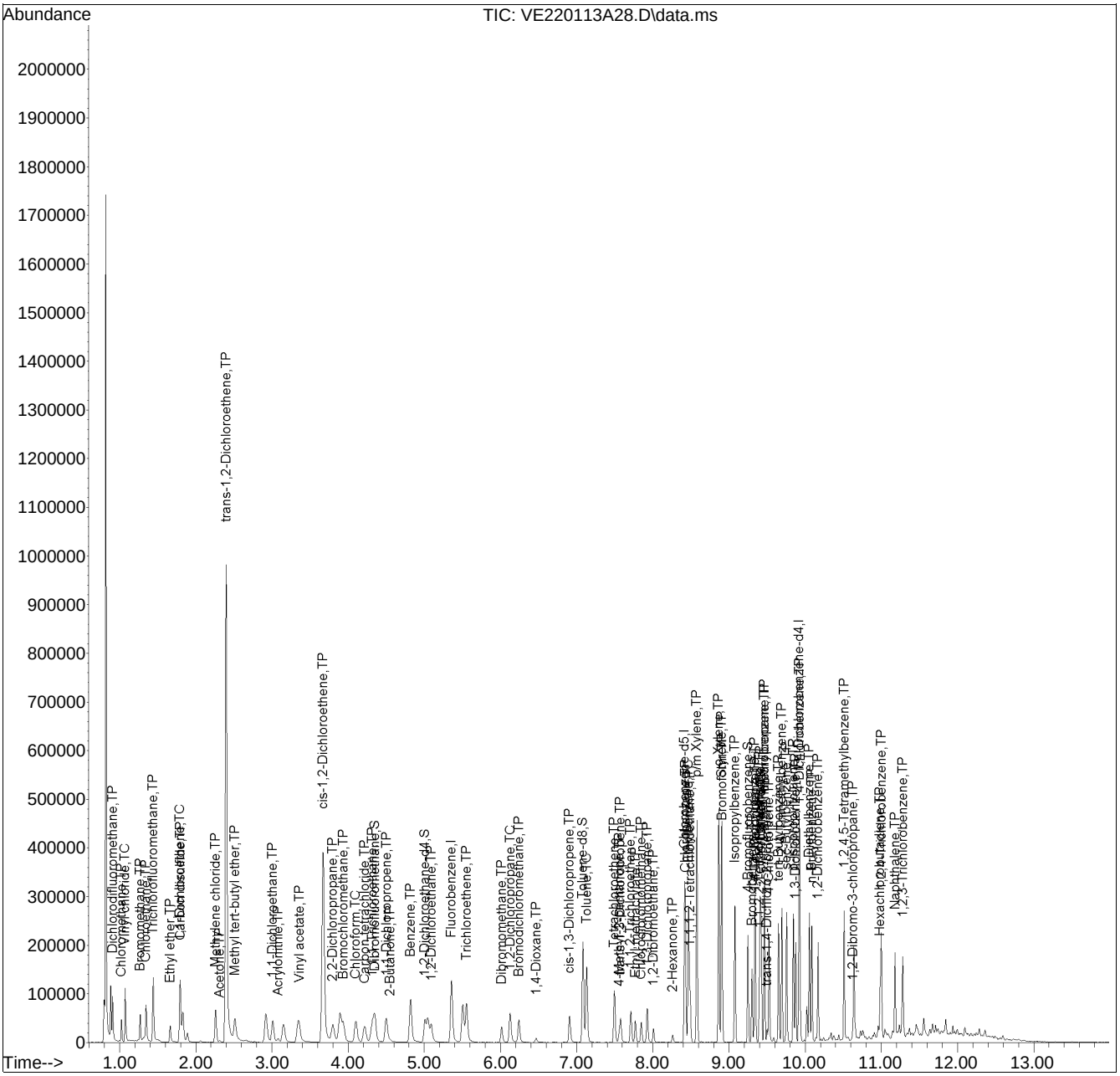
(#) = qualifier out of range (m) = manual integration (+) = signals summed

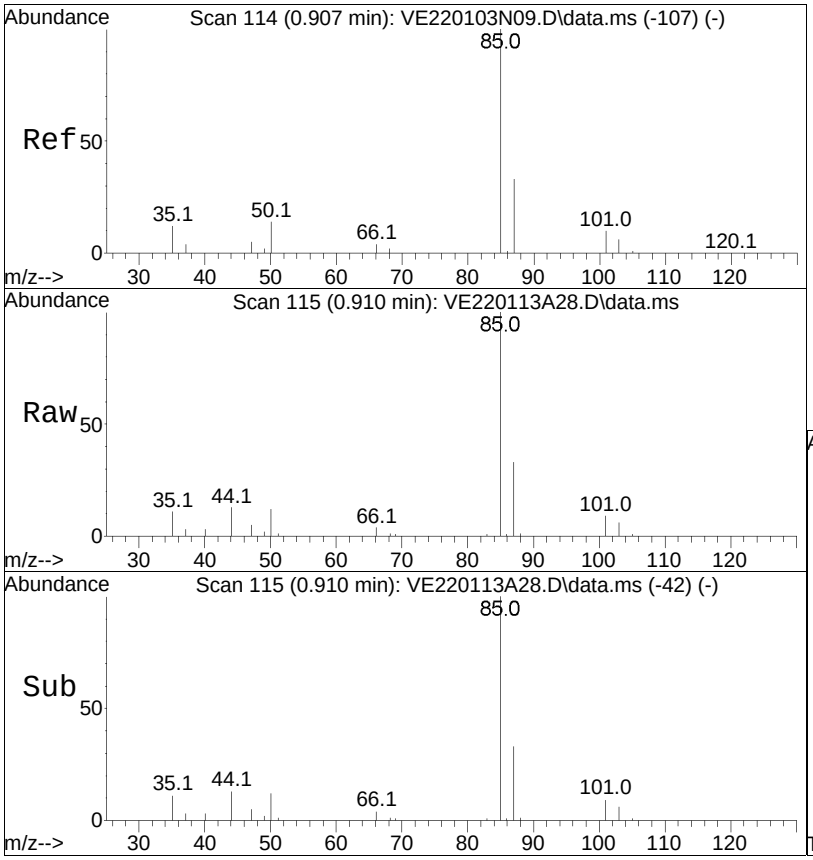
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220113A\
Data File : VE220113A28.D
Acq On : 13 Jan 2022 7:45 pm
Operator : ELAINE:PD
Sample : WG1594142-7,31,10,10,,A2,PRI
Misc : WG1594142,ICAL18621
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 12:01:43 2022
Quant Method : I:\VOLATILES\Elaine\2022\220113A\Elaine_220103N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jan 04 15:18:37 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20113A\VE220113A02.D•

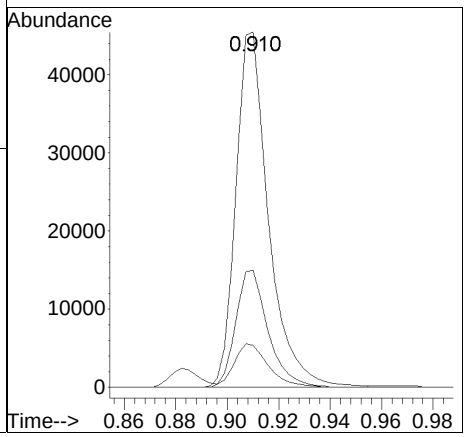


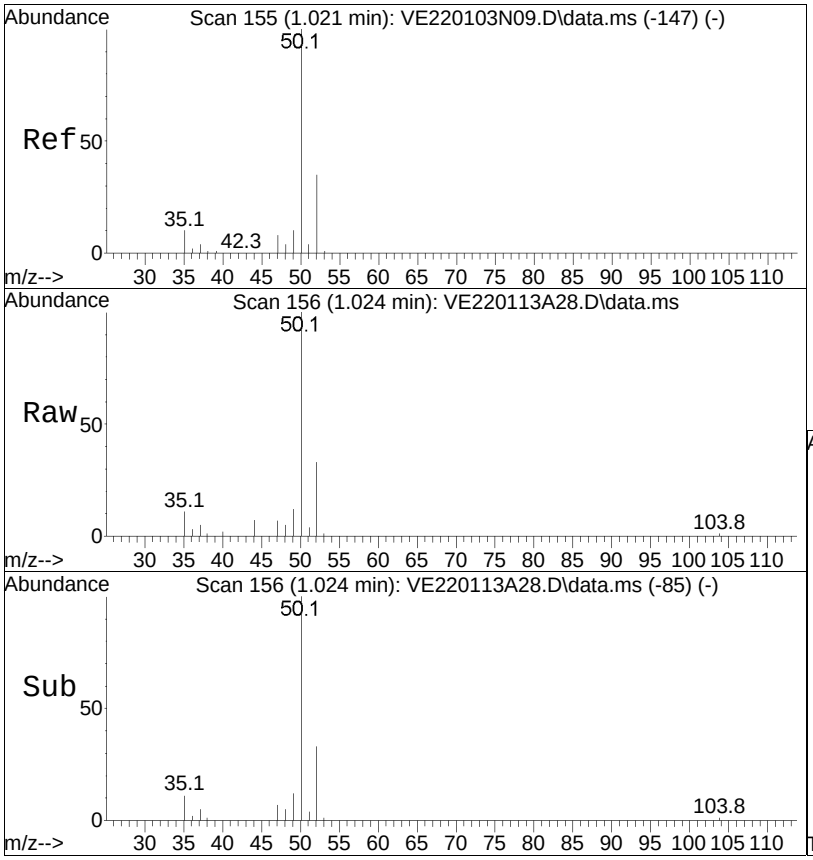


#2
Dichlorodifluoromethane
Concen: 13.35 ug/L
RT: 0.910 min Scan# 115
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 85 Resp: 40298

Ion	Ratio	Lower	Upper
85	100		
87	32.6	21.0	43.6
50	12.8	8.9	18.5

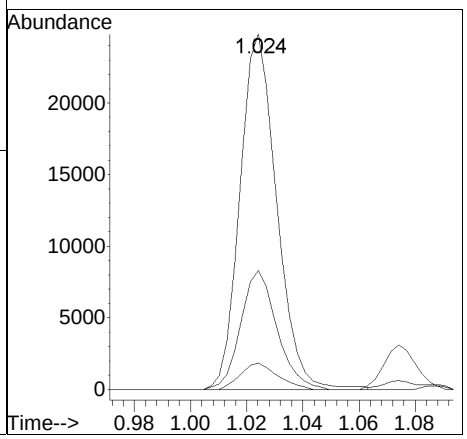


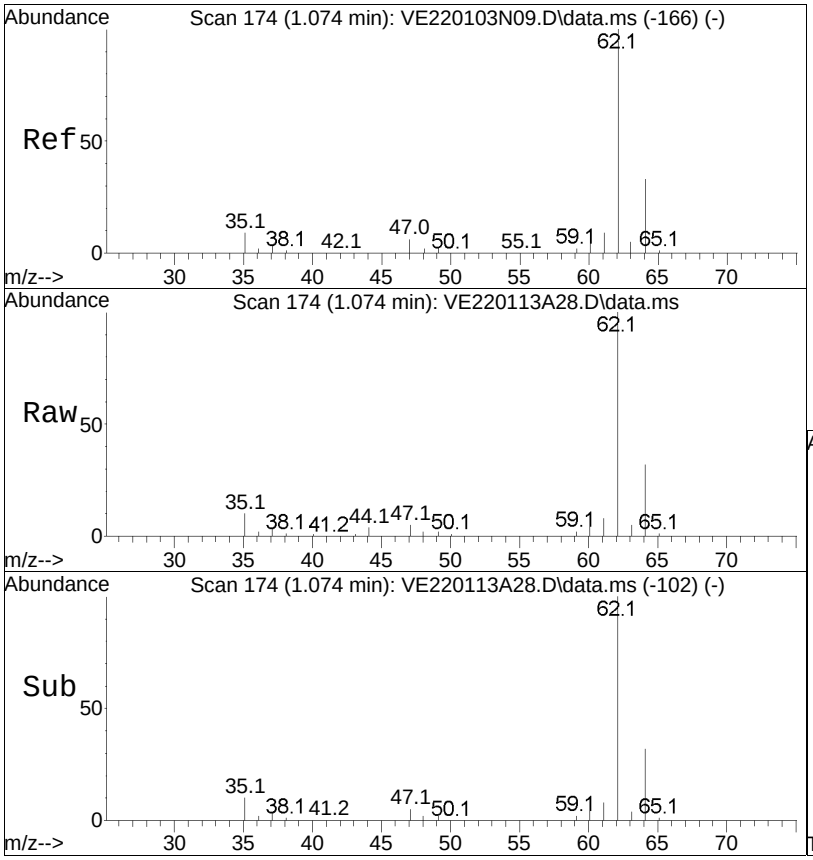


#3
Chloromethane
Concen: 9.91 ug/L
RT: 1.024 min Scan# 156
Delta R.T. -0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 50 Resp: 22544

Ion	Ratio	Lower	Upper
50	100		
52	33.0	12.9	52.9
47	7.5	0.0	28.3

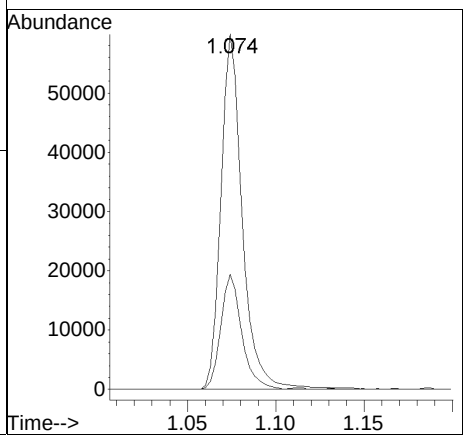


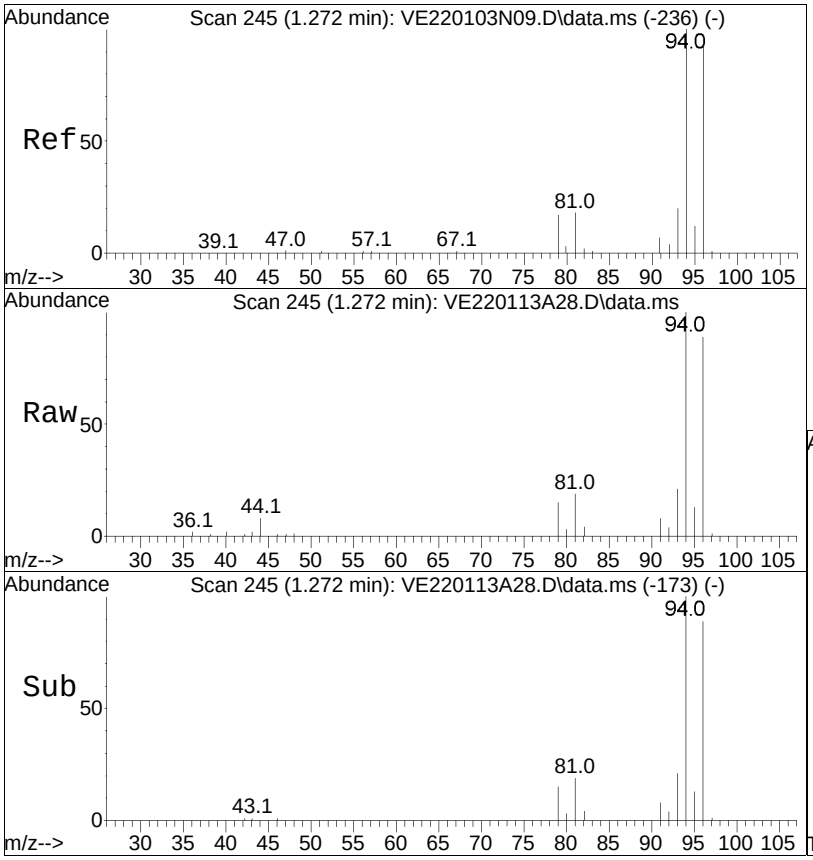


#4
Vinyl chloride
Concen: 19.87 ug/L
RT: 1.074 min Scan# 174
Delta R.T. 0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 62 Resp: 50739

Ion	Ratio	Lower	Upper
62	100		
64	31.6	9.1	49.1

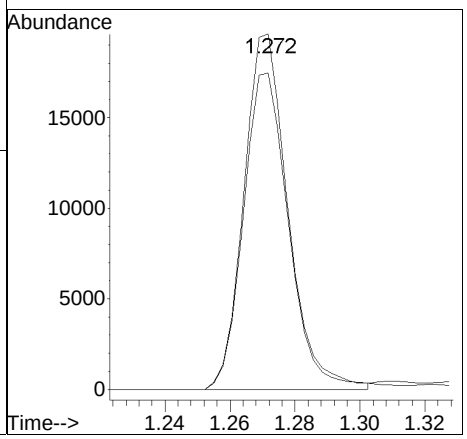


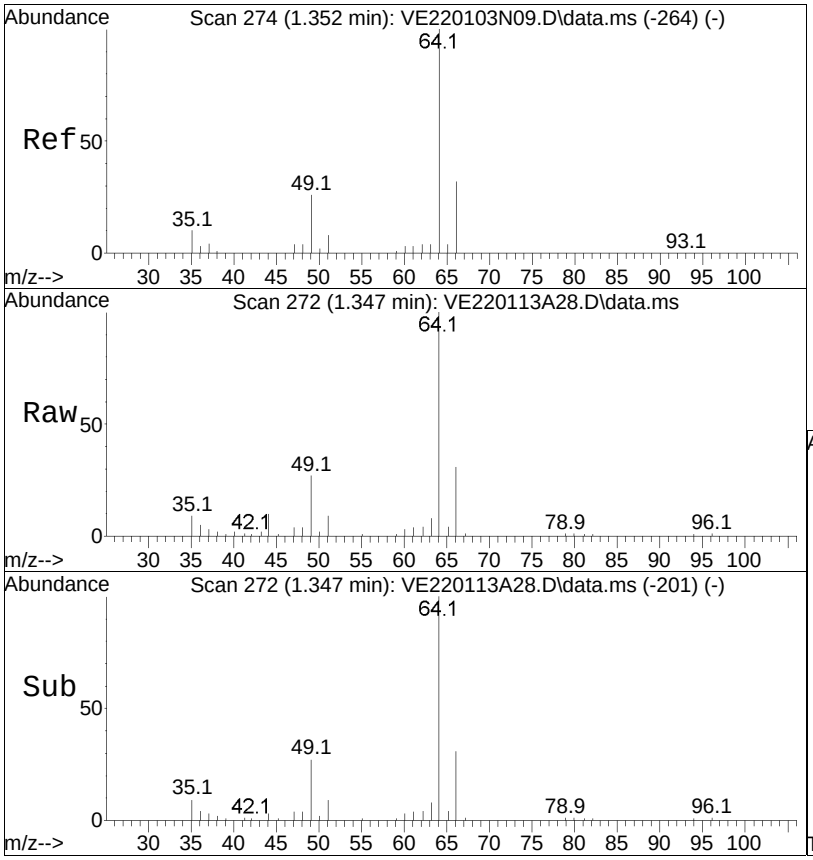


#5
Bromomethane
Concen: 12.61 ug/L
RT: 1.272 min Scan# 245
Delta R.T. -0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 94 Resp: 18521

Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.6	115.6

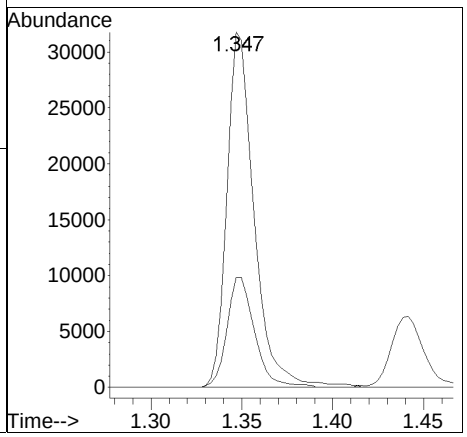


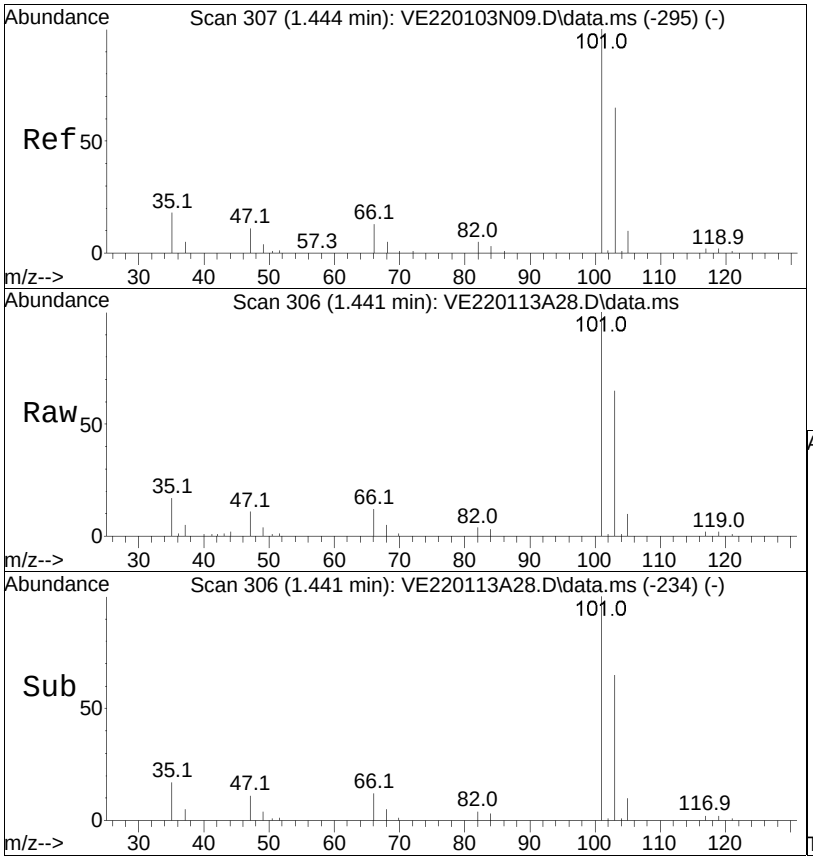


#6
Chloroethane
Concen: 19.23 ug/L
RT: 1.347 min Scan# 272
Delta R.T. -0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 64 Resp: 33175

Ion	Ratio	Lower	Upper
64	100		
66	31.5	9.8	49.8

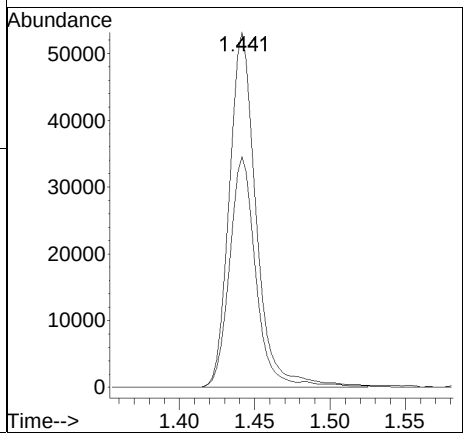


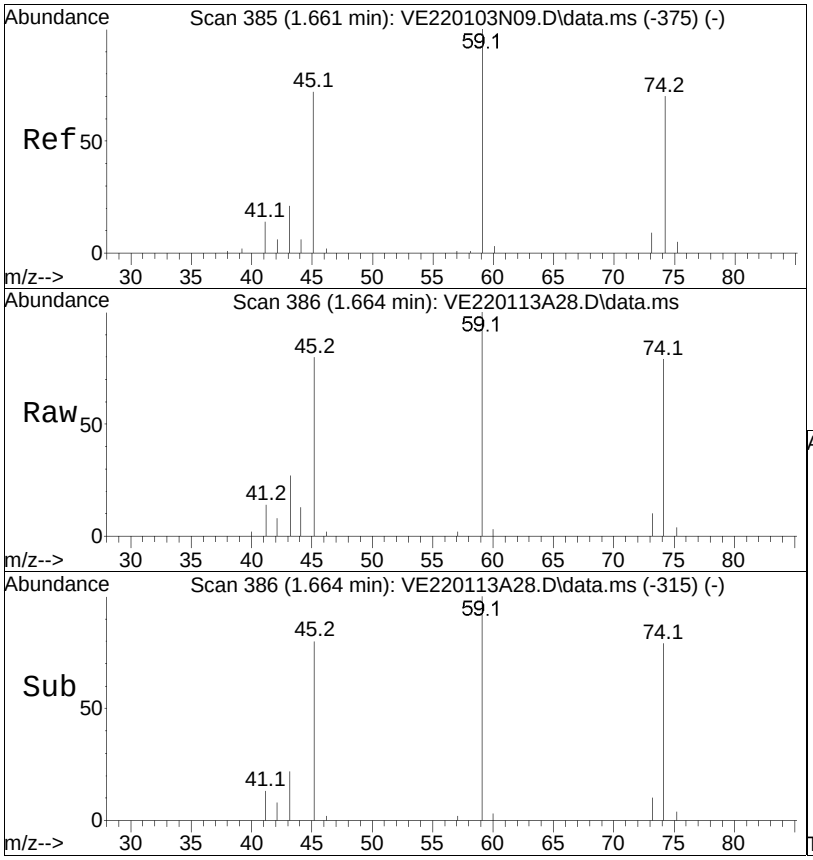


#7
Trichlorofluoromethane
Concen: 16.03 ug/L
RT: 1.441 min Scan# 306
Delta R.T. -0.001 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:101 Resp: 66253

Ion	Ratio	Lower	Upper
101	100		
103	62.1	53.8	80.6

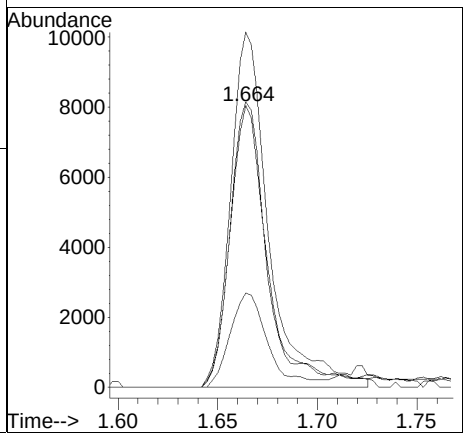


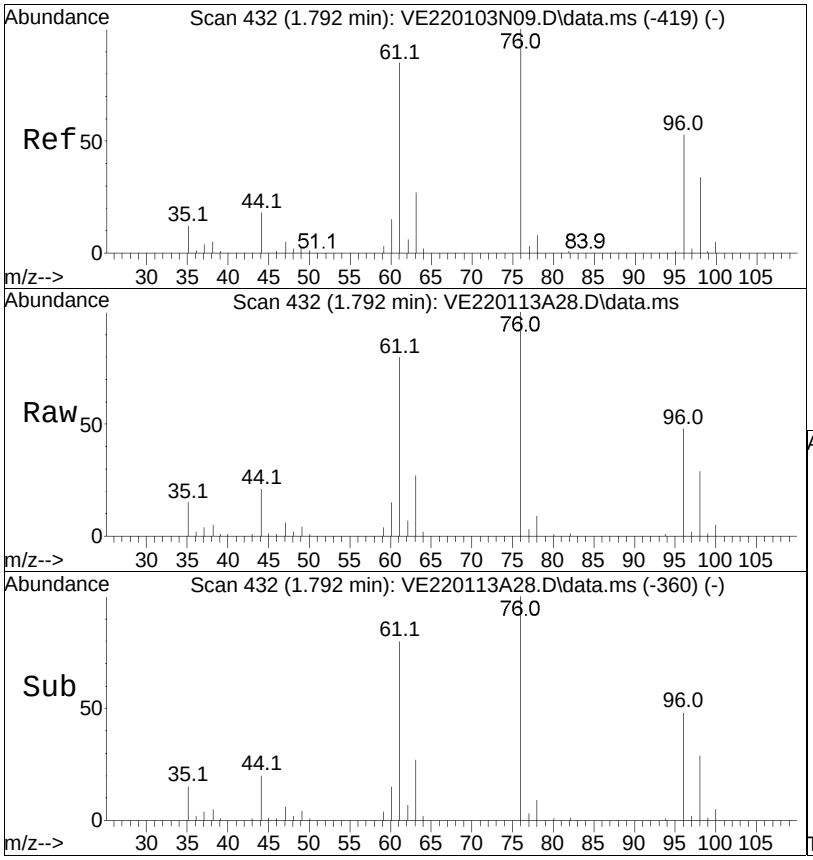


#8
Ethyl ether
Concen: 11.49 ug/L
RT: 1.664 min Scan# 386
Delta R.T. -0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 74 Resp: 10622

Ion	Ratio	Lower	Upper
74	100		
59	126.2	122.2	253.8
45	96.6	91.9	190.9
43	33.8	25.2	52.2

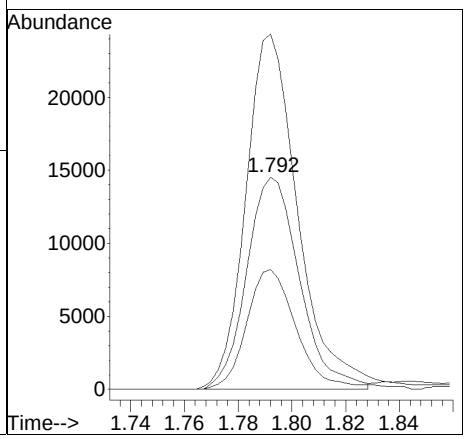


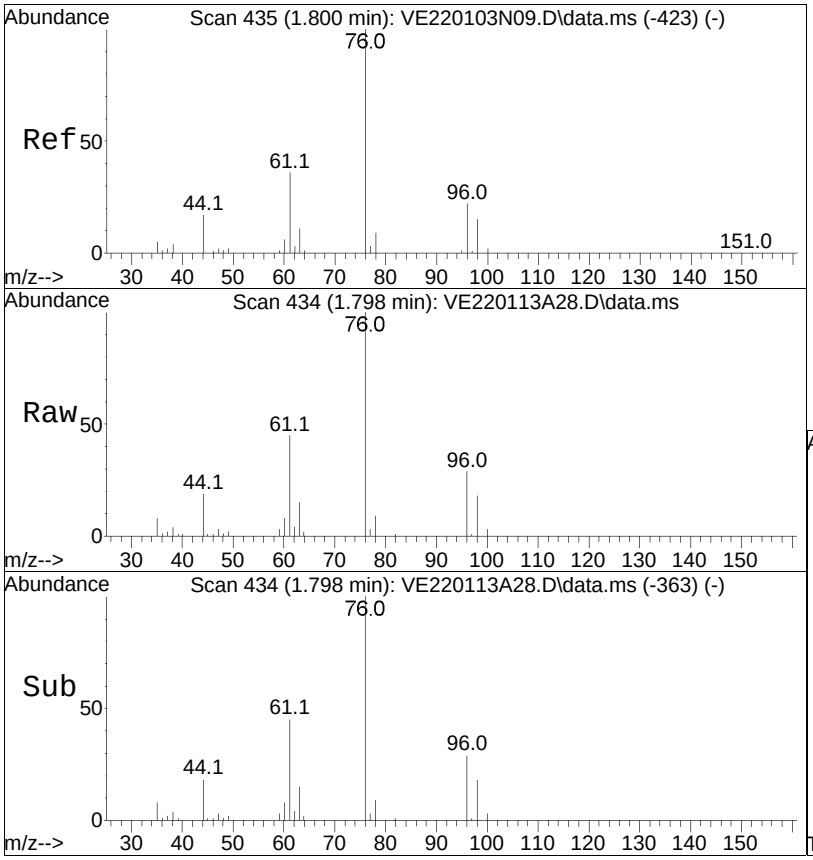


#10
1,1-Dichloroethene
Concen: 10.68 ug/L
RT: 1.792 min Scan# 432
Delta R.T. 0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 96 Resp: 19926

Ion	Ratio	Lower	Upper
96	100		
61	165.8	186.1	279.1#
63	53.7	57.6	86.4#

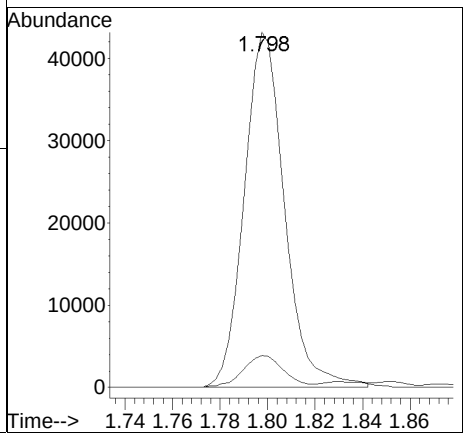


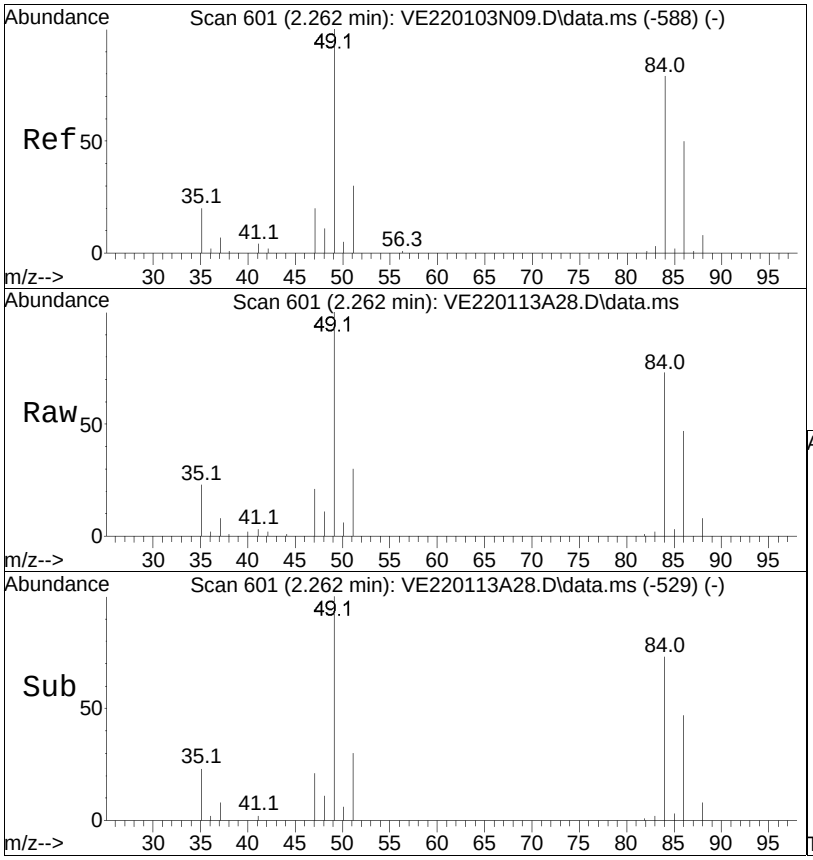


#11
Carbon disulfide
Concen: 10.79 ug/L
RT: 1.798 min Scan# 434
Delta R.T. -0.002 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 76 Resp: 50994

Ion	Ratio	Lower	Upper
76	100		
78	9.2	5.7	11.7

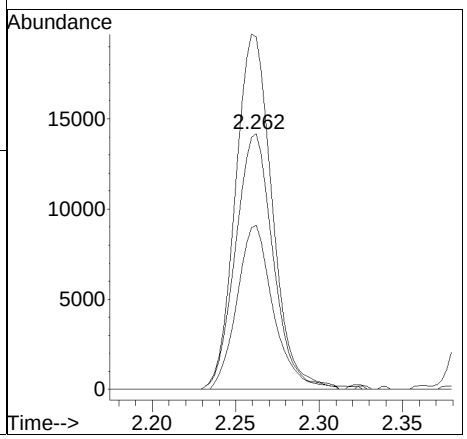


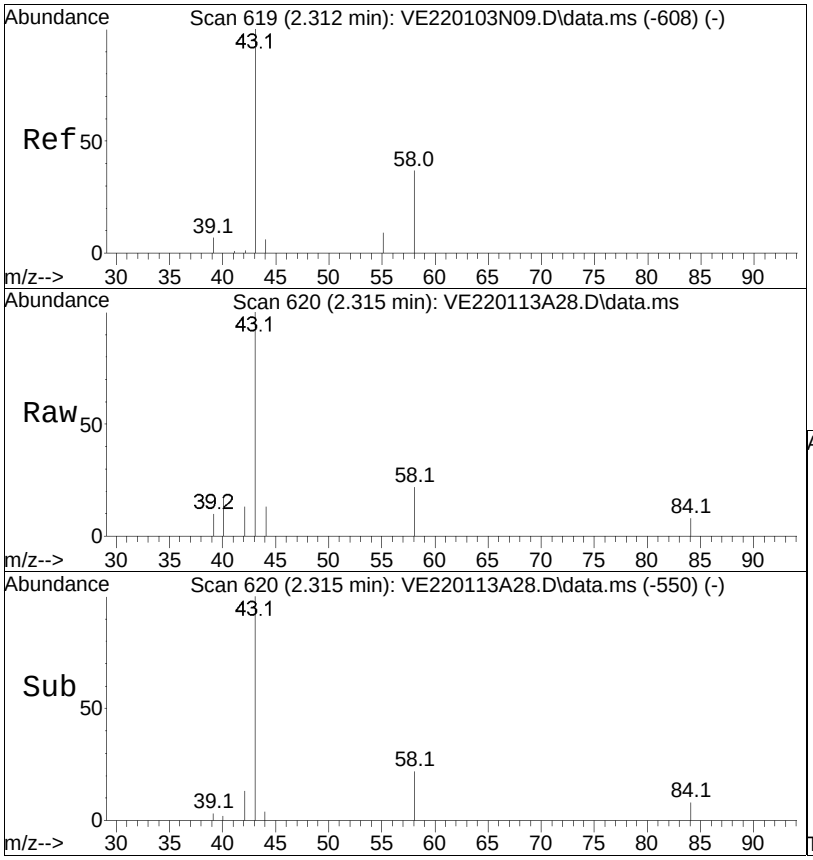


#15
Methylene chloride
Concen: 10.83 ug/L
RT: 2.262 min Scan# 601
Delta R.T. 0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 84 Resp: 22413

Ion	Ratio	Lower	Upper
84	100		
86	61.7	40.4	83.8
49	134.4	120.0	249.2

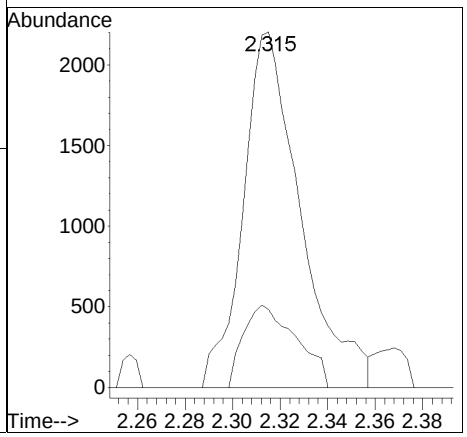


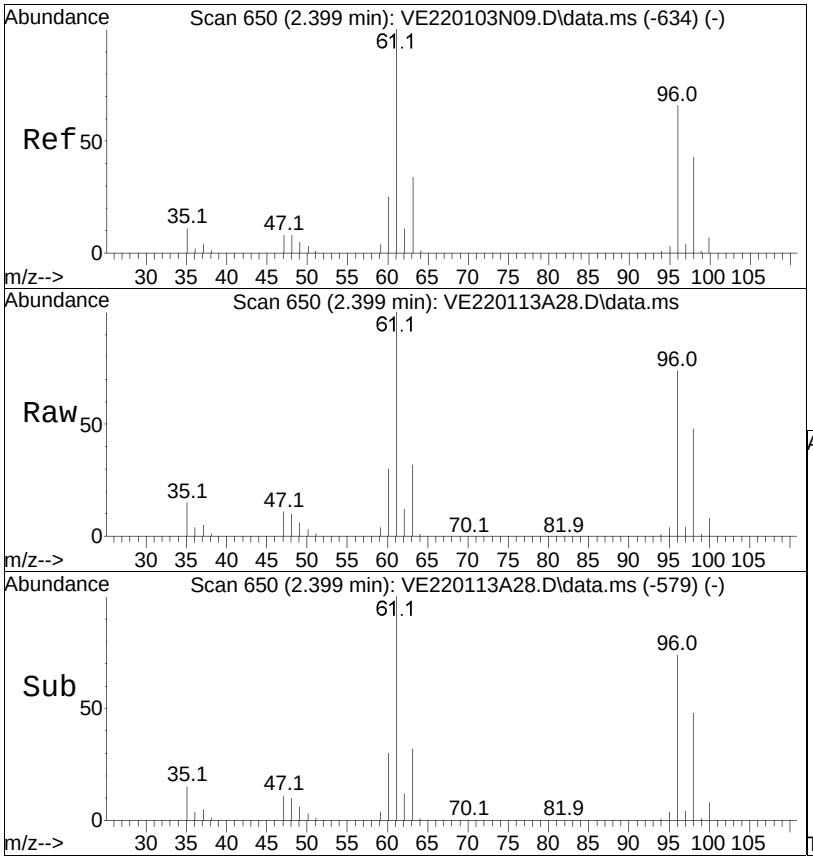


#17
Acetone
Concen: 13.38 ug/L
RT: 2.315 min Scan# 620
Delta R.T. -0.006 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 43 Resp: 3699

Ion	Ratio	Lower	Upper
43	100		
58	21.4	24.2	36.4#

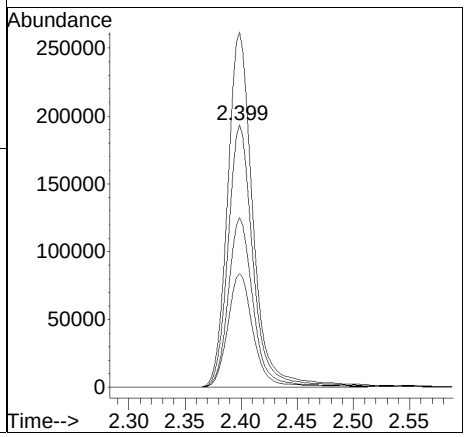


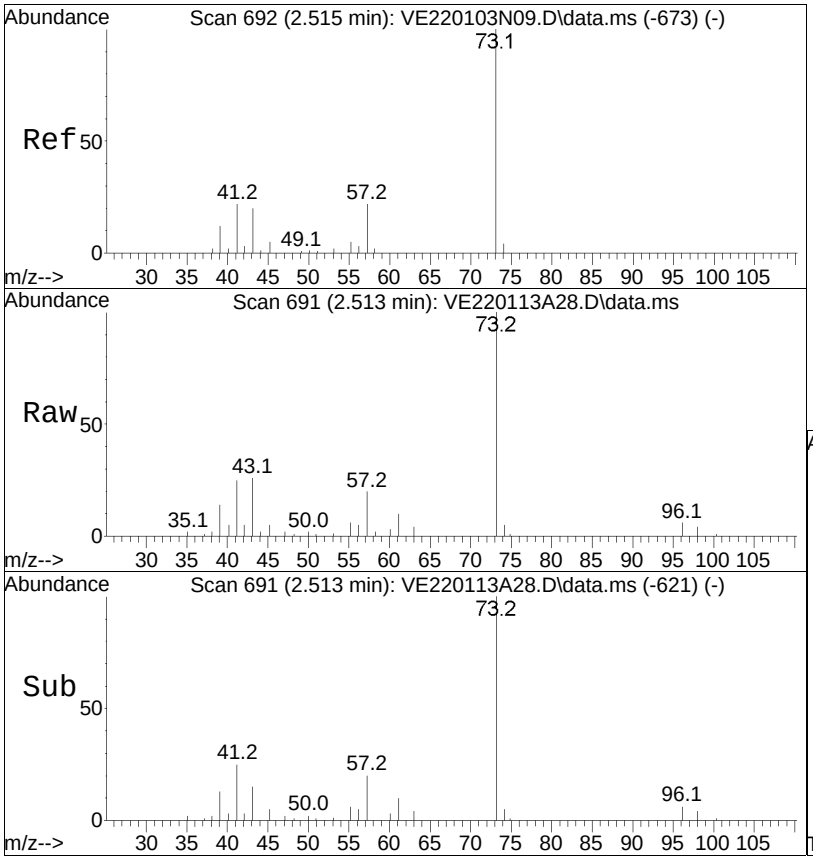


#18
trans-1,2-Dichloroethene
Concen: 150.46 ug/L
RT: 2.399 min Scan# 650
Delta R.T. -0.002 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 96 Resp: 304144

Ion	Ratio	Lower	Upper
96	100		
61	135.8	124.0	257.6
98	63.3	41.2	85.6
63	44.1	38.4	79.7

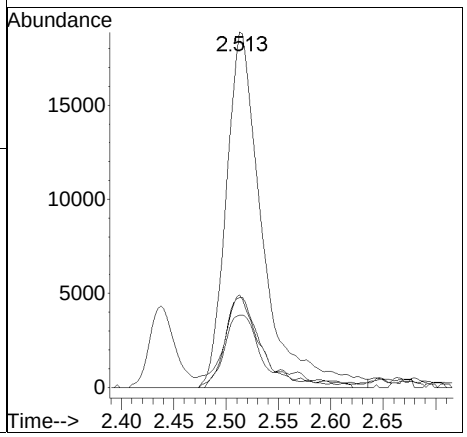


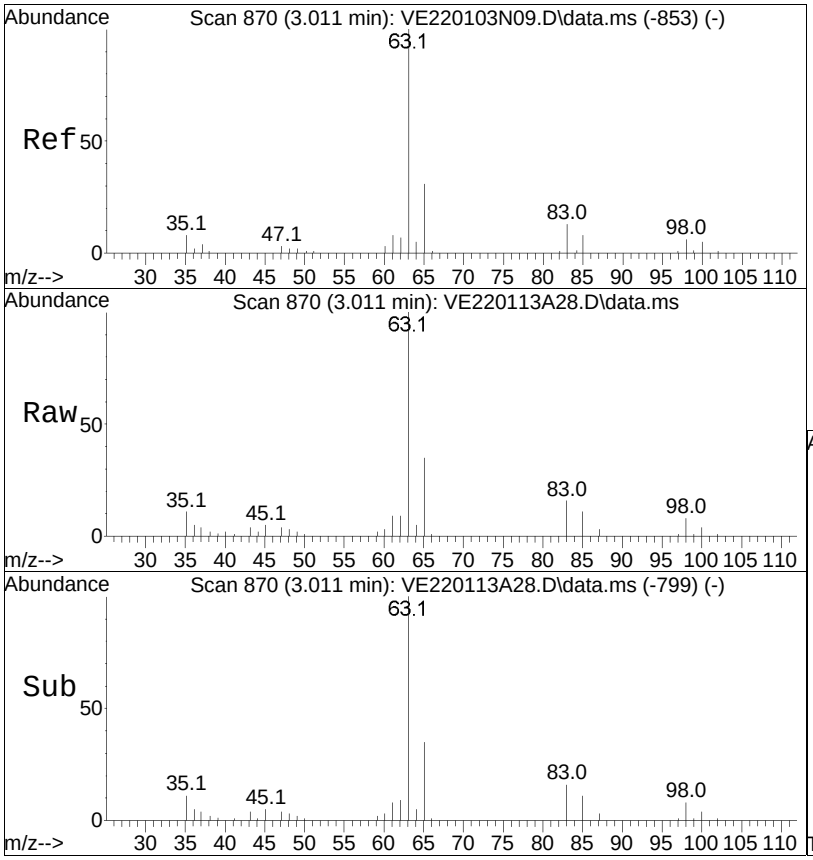


#20
Methyl tert-butyl ether
Concen: 10.63 ug/L
RT: 2.513 min Scan# 691
Delta R.T. -0.005 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 73 Resp: 45505

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.5	36.3
43	18.0	15.3	31.9
41	24.7	15.3	31.7

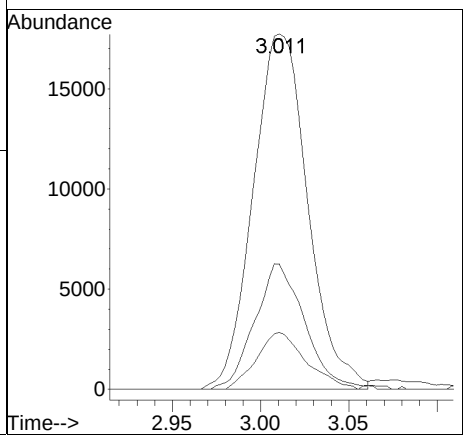


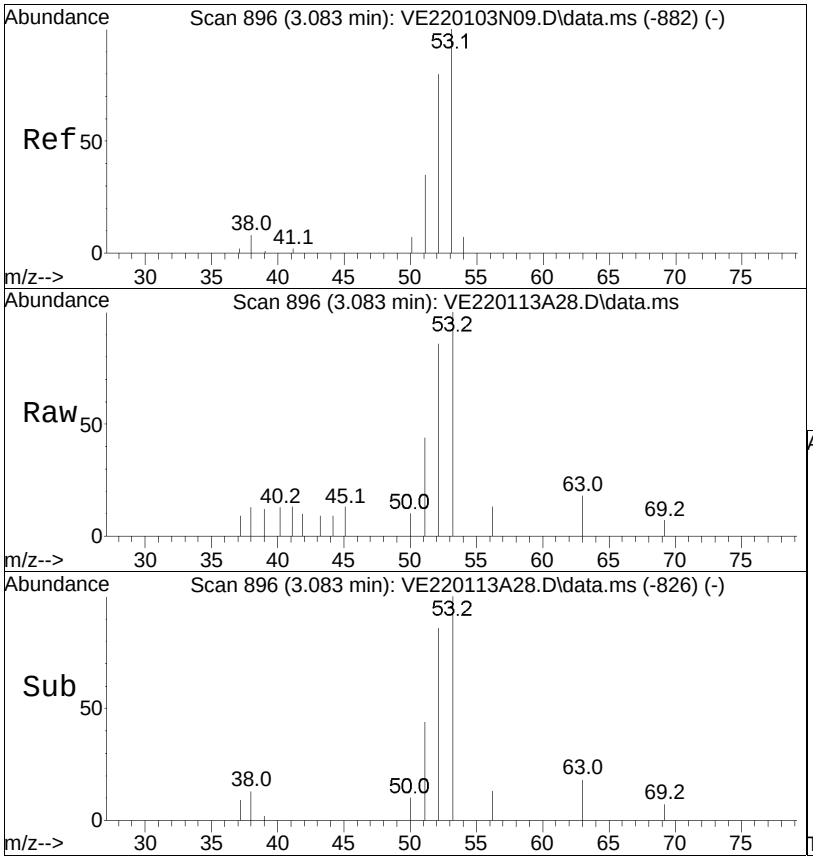


#23
1,1-Dichloroethane
Concen: 10.11 ug/L
RT: 3.011 min Scan# 870
Delta R.T. -0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 63 Resp: 38229

Ion	Ratio	Lower	Upper
63	100		
65	32.5	11.0	51.0
83	14.6	0.0	31.8

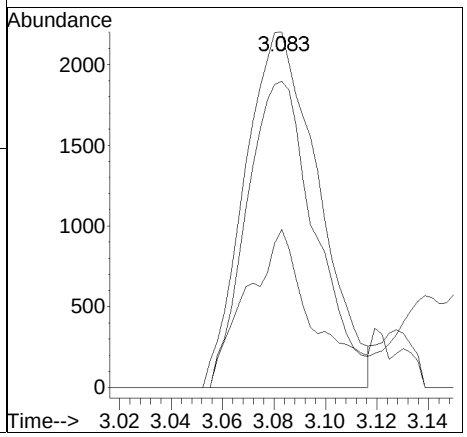


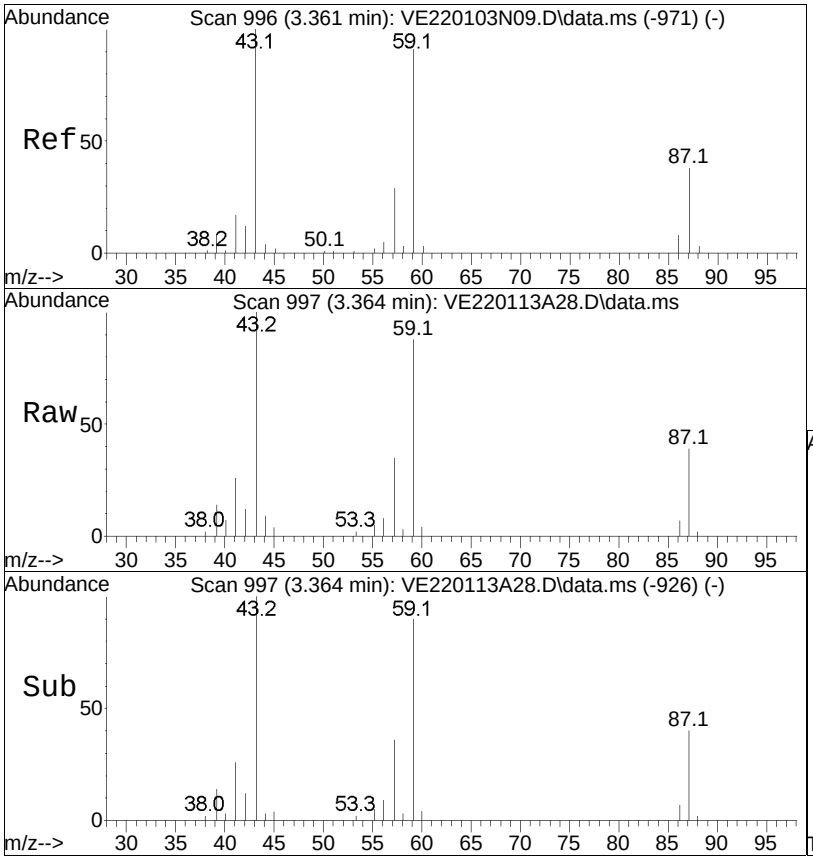


#25
Acrylonitrile
Concen: 10.28 ug/L
RT: 3.083 min Scan# 896
Delta R.T. -0.006 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 53 Resp: 4390

Ion	Ratio	Lower	Upper
53	100		
52	80.1	66.7	100.1
51	39.7	30.6	46.0

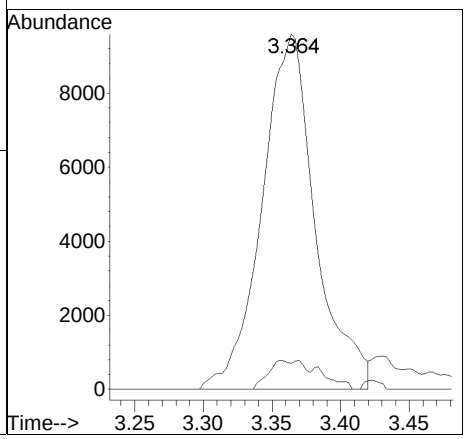


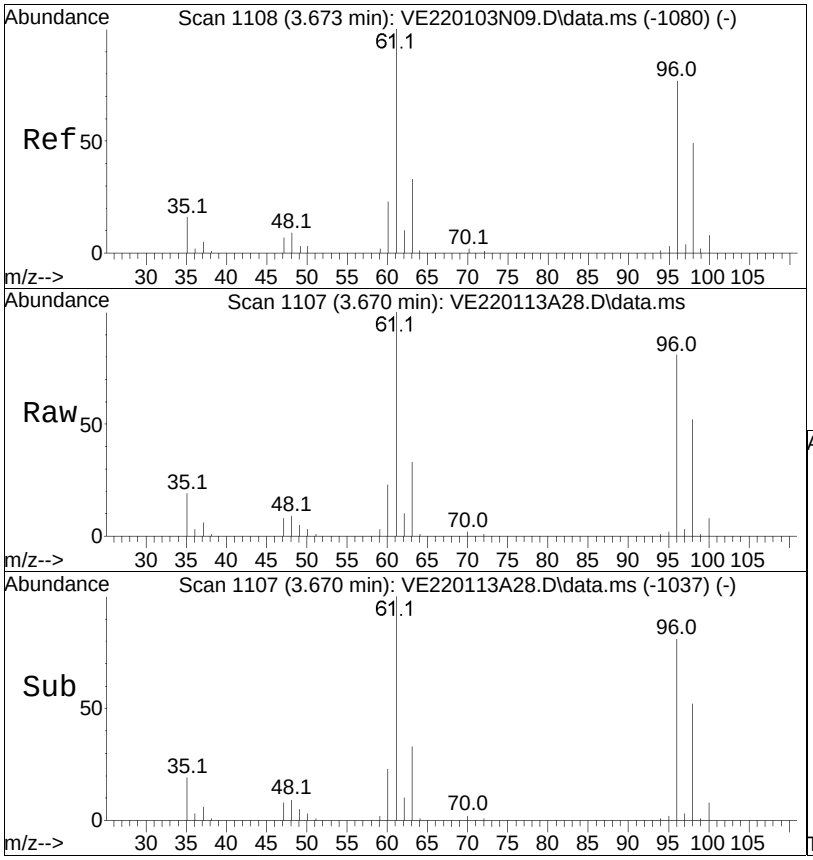


#27
Vinyl acetate
Concen: 7.48 ug/L
RT: 3.364 min Scan# 997
Delta R.T. -0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 43 Resp: 25999

Ion	Ratio	Lower	Upper
43	100		
86	3.5	5.2	7.8#

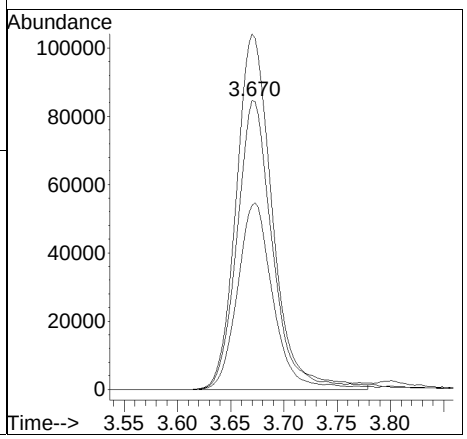


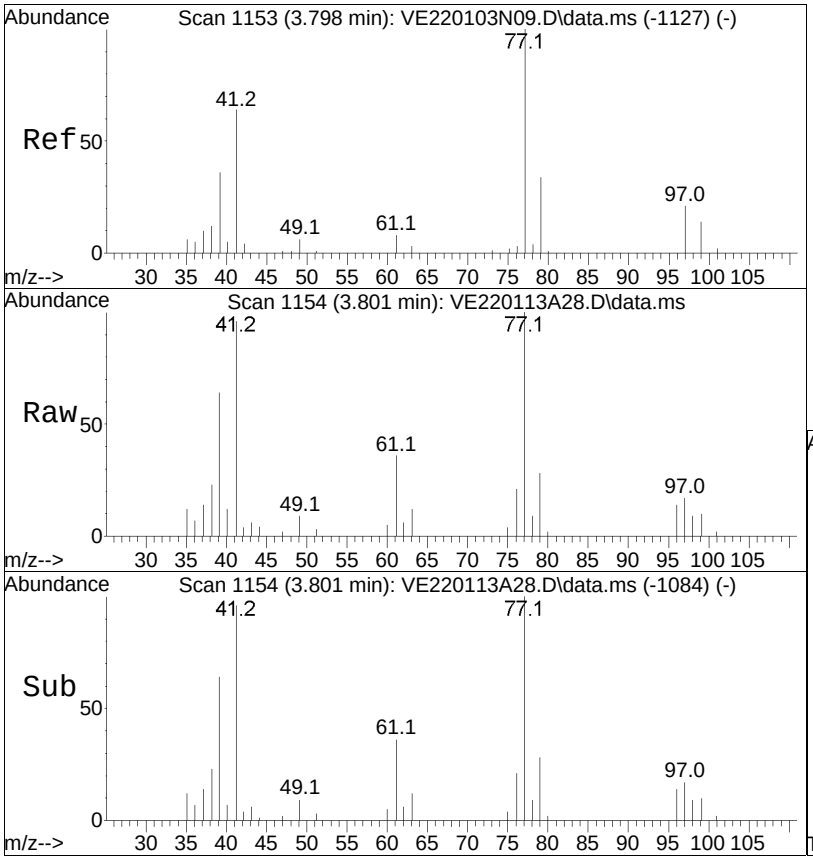


#28
cis-1,2-Dichloroethene
Concen: 87.51 ug/L
RT: 3.670 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 96 Resp: 196393

Ion	Ratio	Lower	Upper
96	100		
61	124.4	149.4	224.2#
98	63.3	53.4	80.2

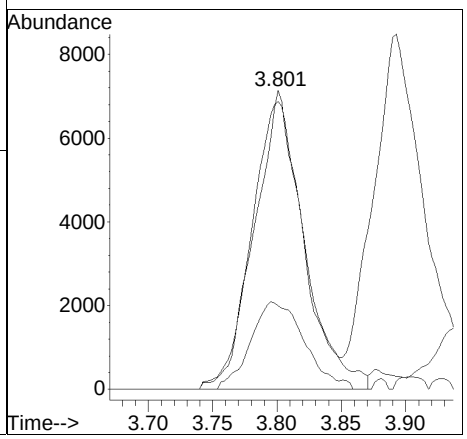


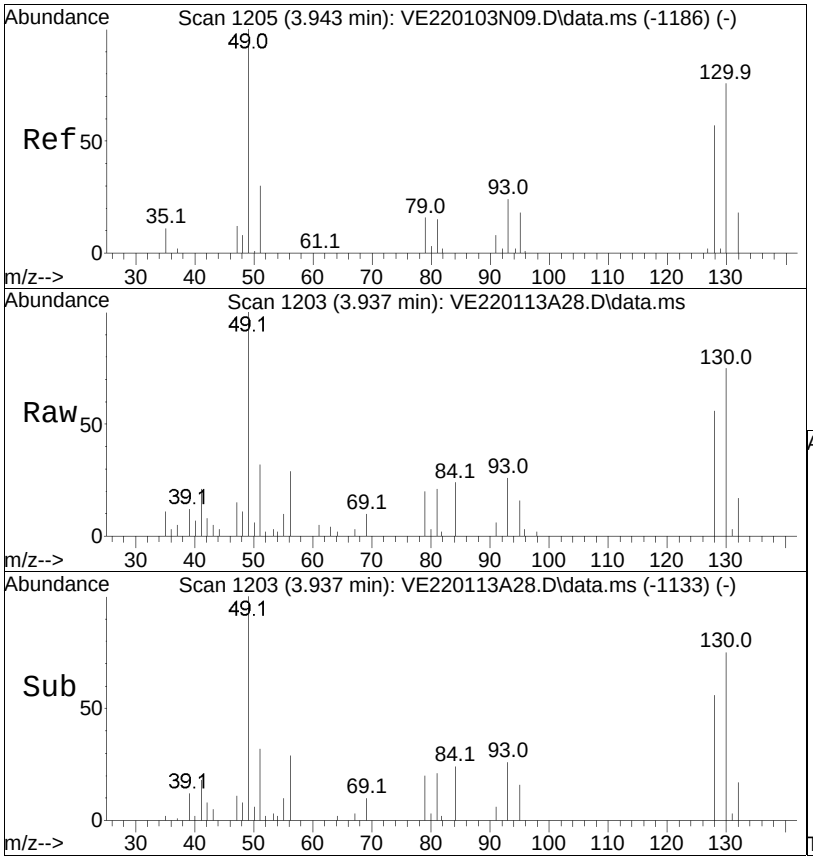


#29
2,2-Dichloropropane
Concen: 5.81 ug/L
RT: 3.801 min Scan# 1154
Delta R.T. -0.005 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 77 Resp: 19075

Ion	Ratio	Lower	Upper
77	100		
41	100.4	38.0	78.8#
79	32.0	20.5	42.5

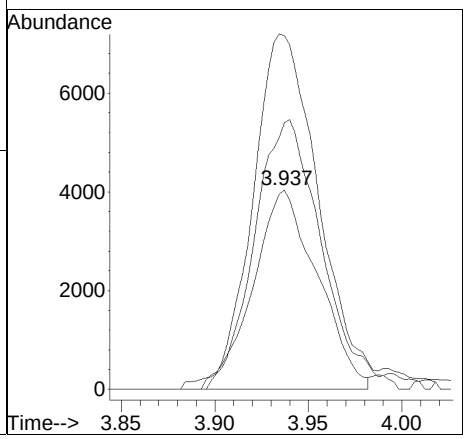


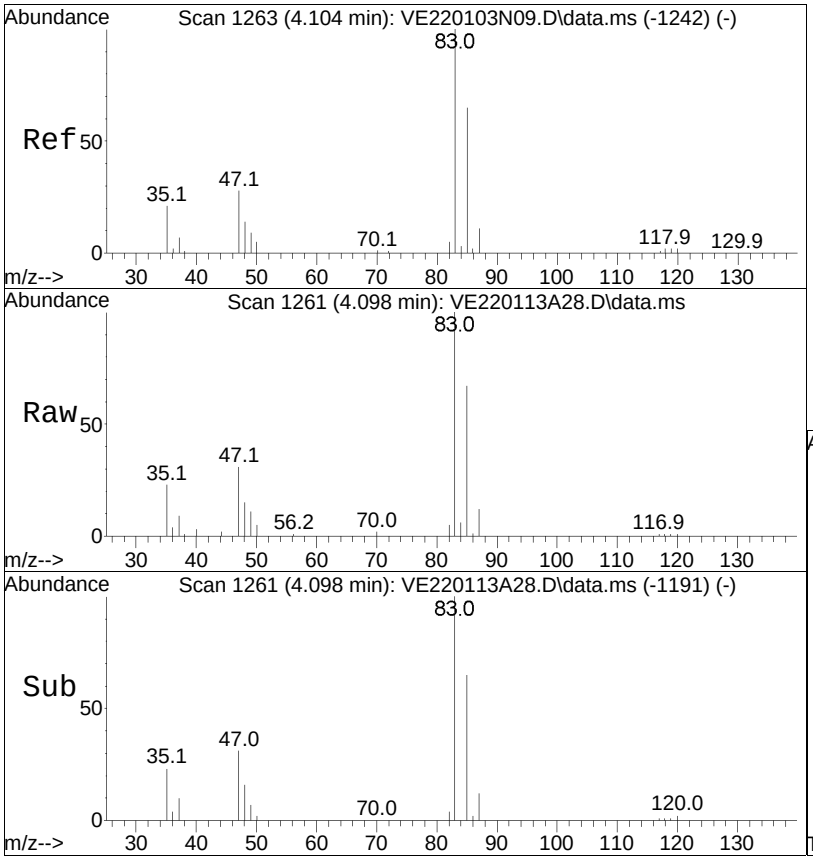


#30
Bromochloromethane
Concen: 10.17 ug/L
RT: 3.937 min Scan# 1203
Delta R.T. -0.006 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:128 Resp: 9703

Ion	Ratio	Lower	Upper
128	100		
49	182.5	223.0	334.4#
130	139.4	111.4	167.0

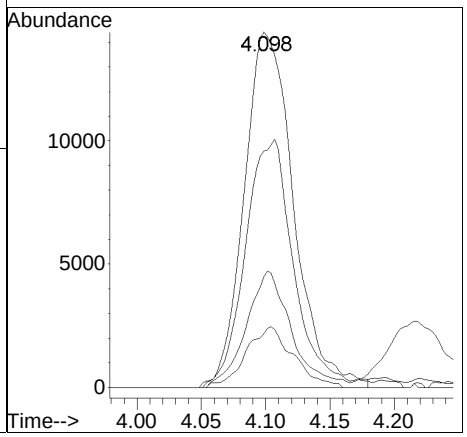


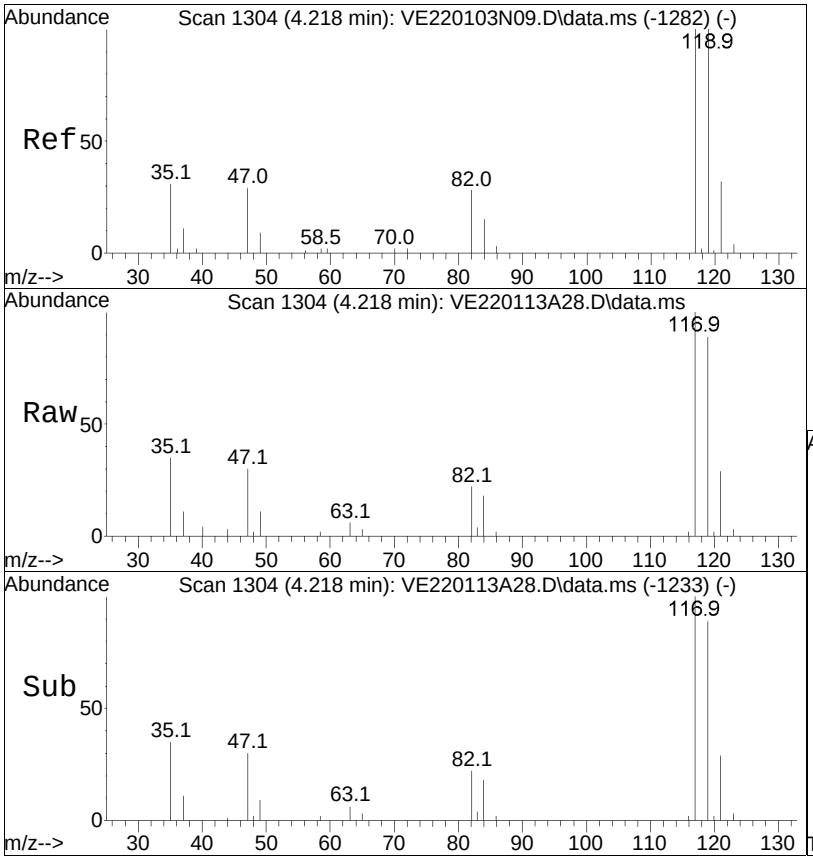


#32
Chloroform
Concen: 10.51 ug/L
RT: 4.098 min Scan# 1261
Delta R.T. -0.006 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 83 Resp: 38603

Ion	Ratio	Lower	Upper
83	100		
85	67.5	41.5	86.1
47	29.9	19.0	39.4
48	16.3	9.9	20.5

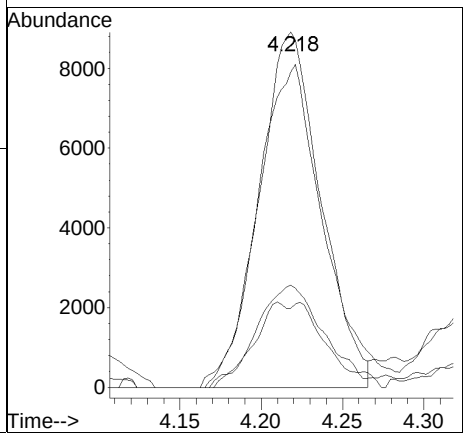


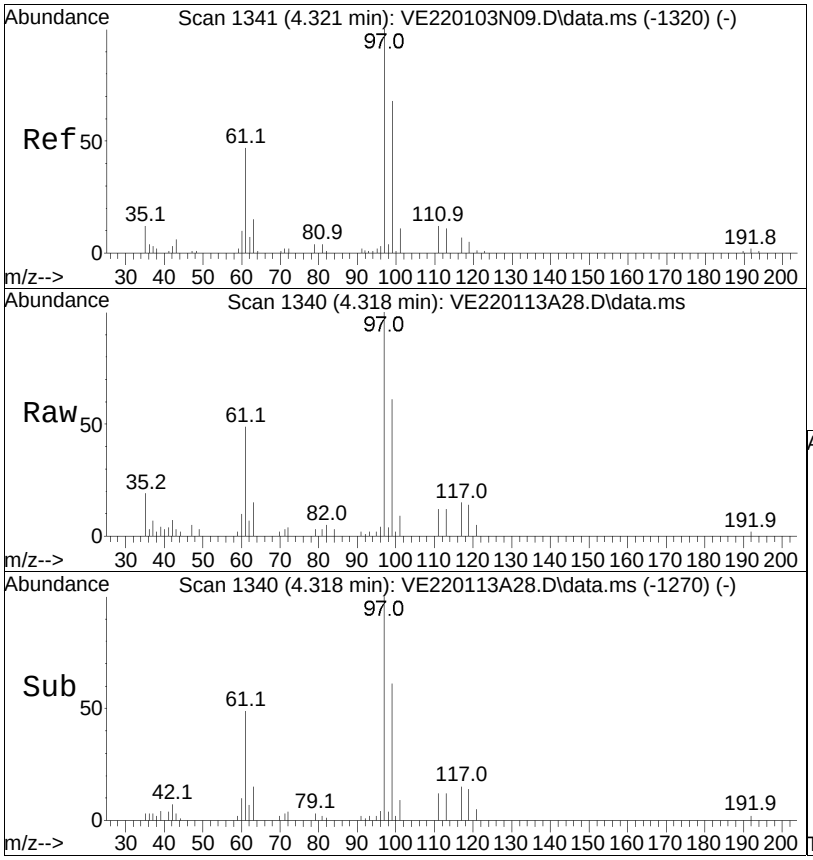


#34
Carbon tetrachloride
Concen: 8.80 ug/L
RT: 4.218 min Scan# 1304
Delta R.T. -0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:117 Resp: 23615

Ion	Ratio	Lower	Upper
117	100		
119	97.6	62.4	129.6
121	31.1	19.5	40.5
82	12.9	17.0	35.4#

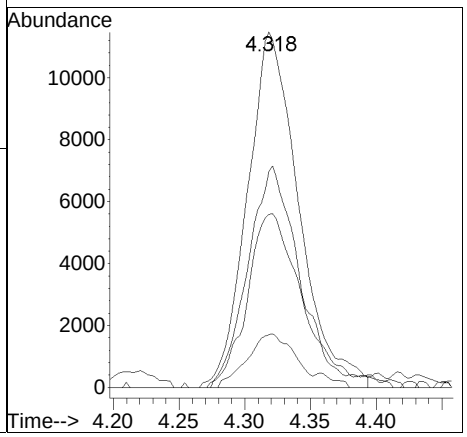


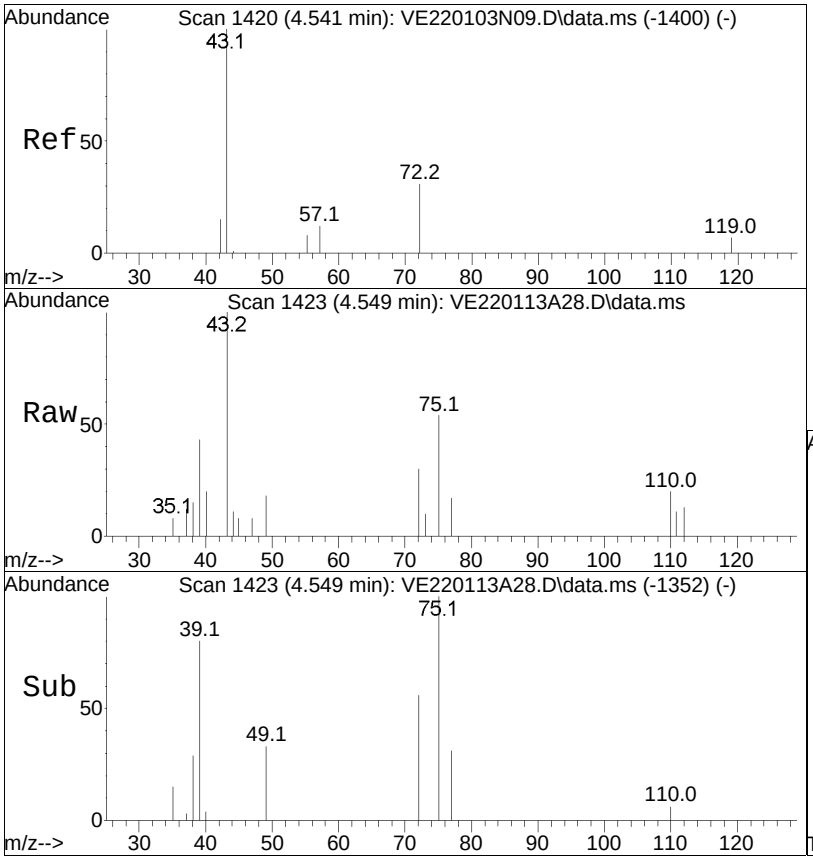


#37
1,1,1-Trichloroethane
Concen: 9.82 ug/L
RT: 4.318 min Scan# 1340
Delta R.T. -0.006 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 97 Resp: 31241

Ion	Ratio	Lower	Upper
97	100		
99	61.5	40.7	84.5
61	51.5	35.4	73.4
63	13.8	5.0	10.4#

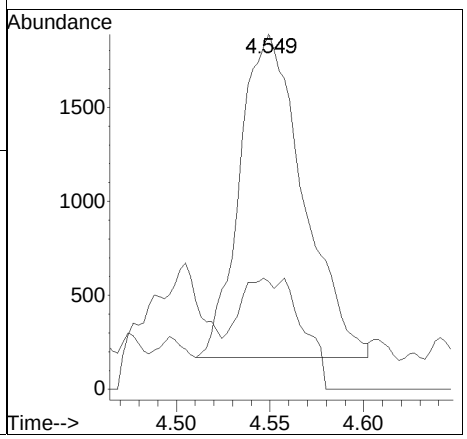


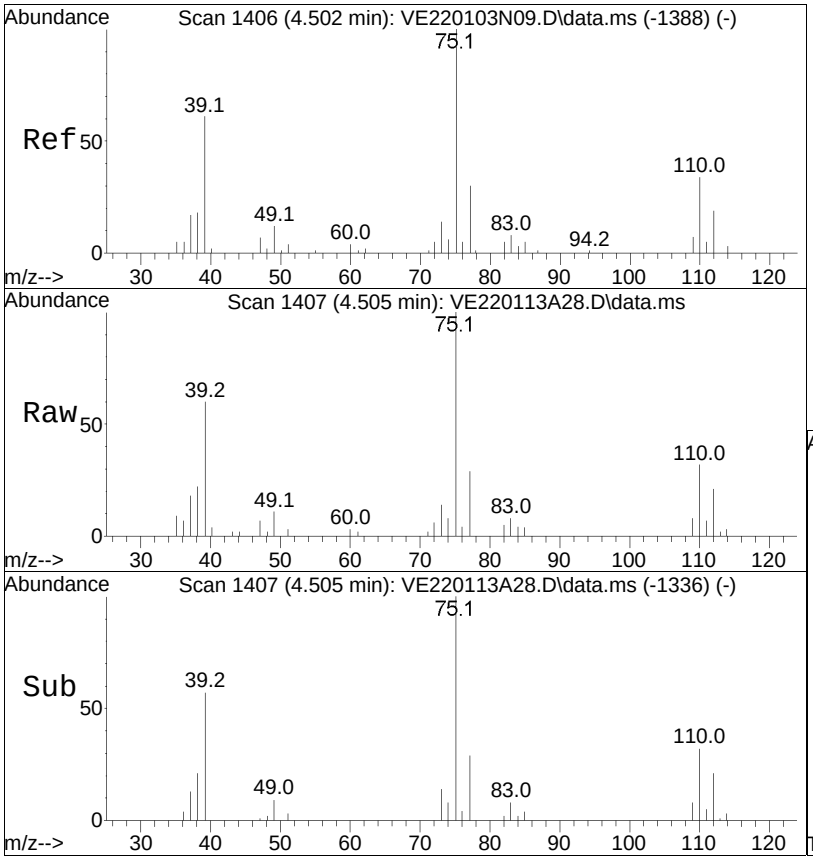


#39
2-Butanone
Concen: 9.59 ug/L
RT: 4.549 min Scan# 1423
Delta R.T. -0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 43 Resp: 4069

Ion	Ratio	Lower	Upper
43	100		
72	7.9	10.9	16.3#

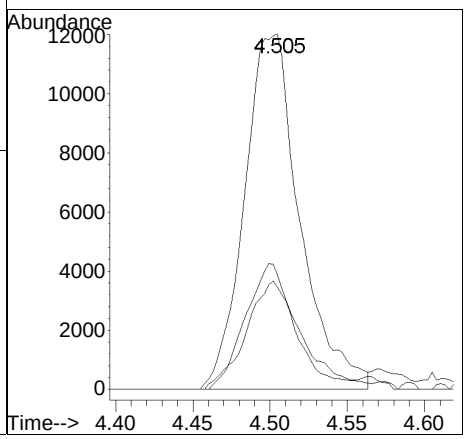


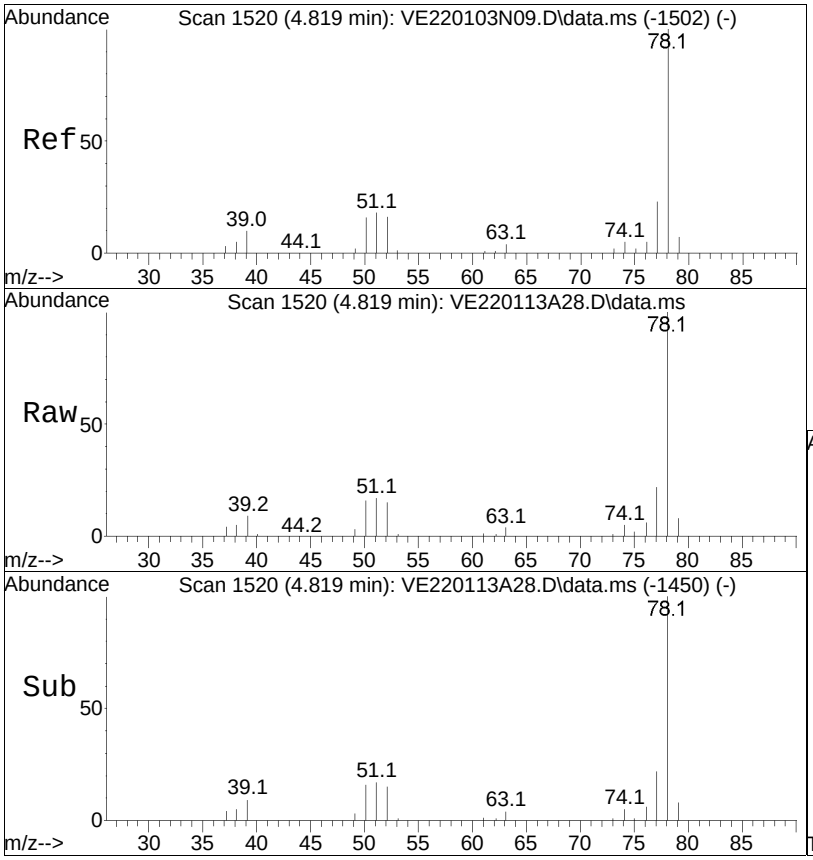


#40
1,1-Dichloropropene
Concen: 11.10 ug/L
RT: 4.505 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 75 Resp: 30047

Ion	Ratio	Lower	Upper
75	100		
110	33.8	20.2	41.9
77	29.1	20.1	41.7

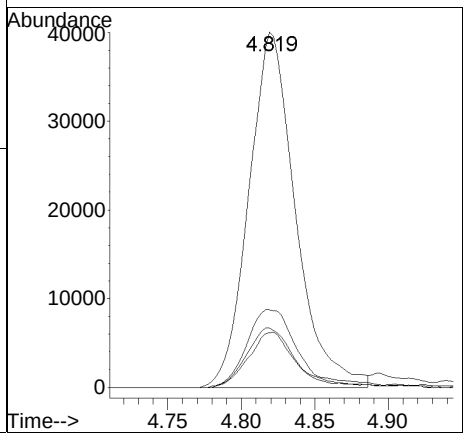


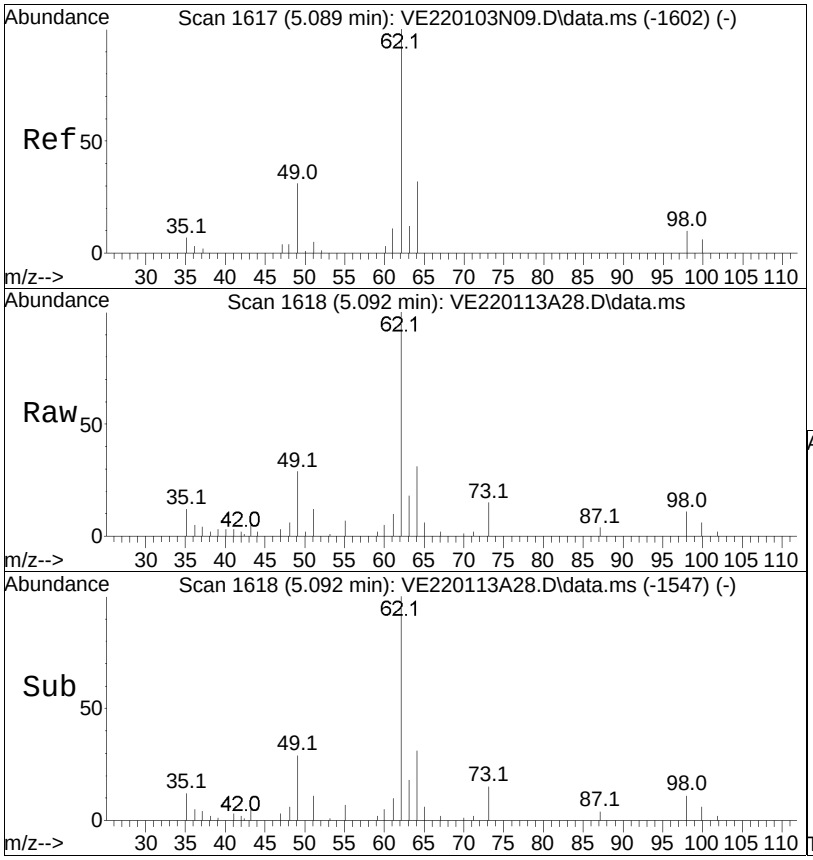


#41
Benzene
Concen: 10.62 ug/L
RT: 4.819 min Scan# 1520
Delta R.T. -0.006 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 78 Resp: 88272

Ion	Ratio	Lower	Upper
78	100		
77	24.4	15.7	32.7
51	17.4	16.0	33.2
52	15.1	15.3	31.9#

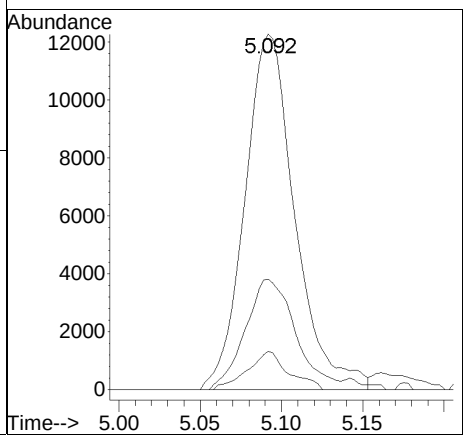


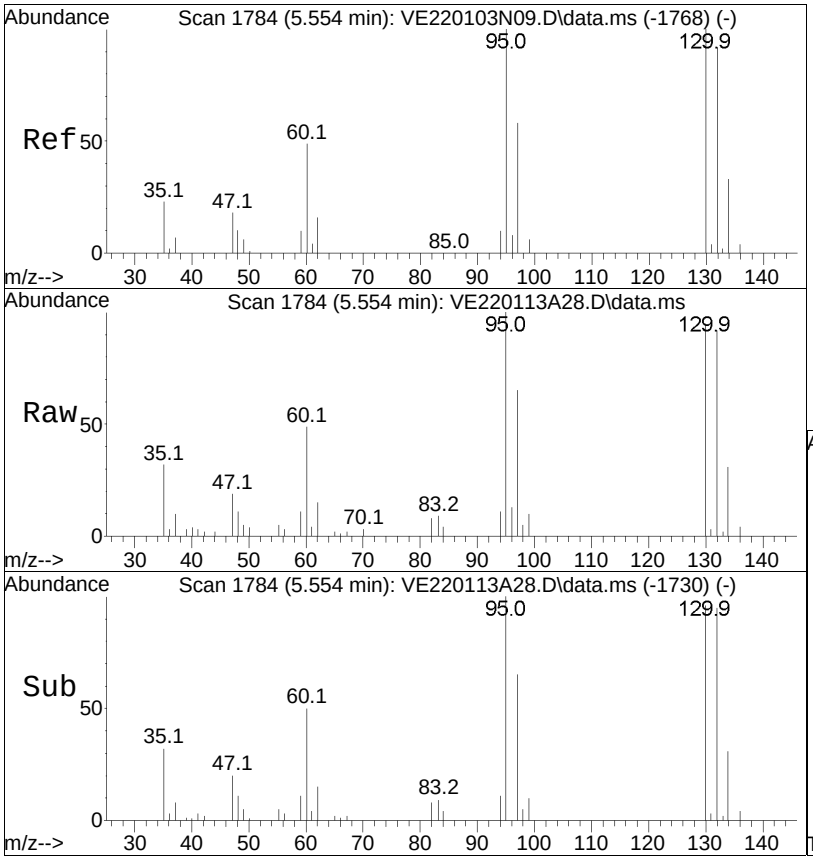


#44
1,2-Dichloroethane
Concen: 11.18 ug/L
RT: 5.092 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 62 Resp: 26242

Ion	Ratio	Lower	Upper
62	100		
64	31.1	11.2	51.2
98	8.7	0.0	26.1

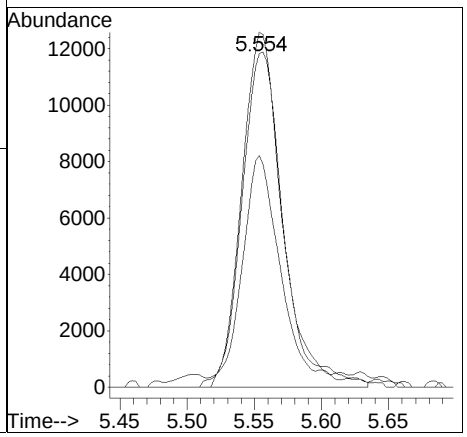


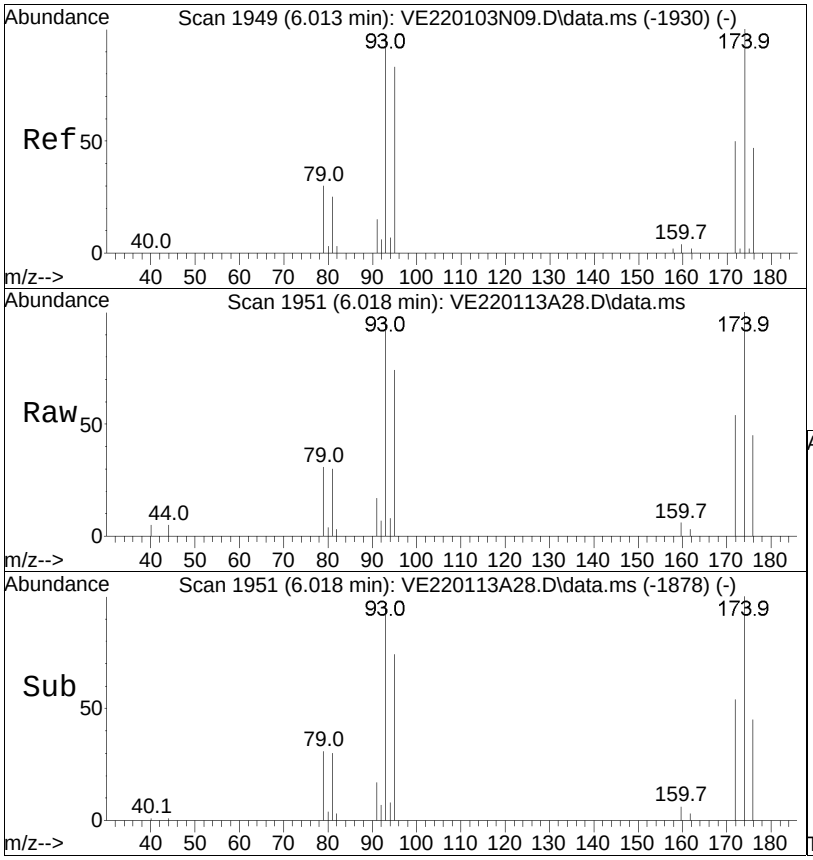


#48
Trichloroethene
Concen: 12.53 ug/L
RT: 5.554 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 95 Resp: 26530

Ion	Ratio	Lower	Upper
95	100		
97	54.9	55.5	83.3#
130	94.5	76.6	115.0

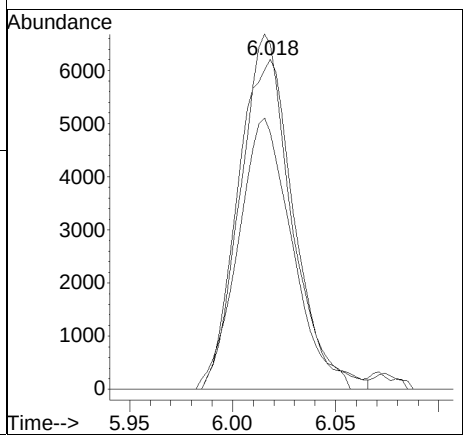


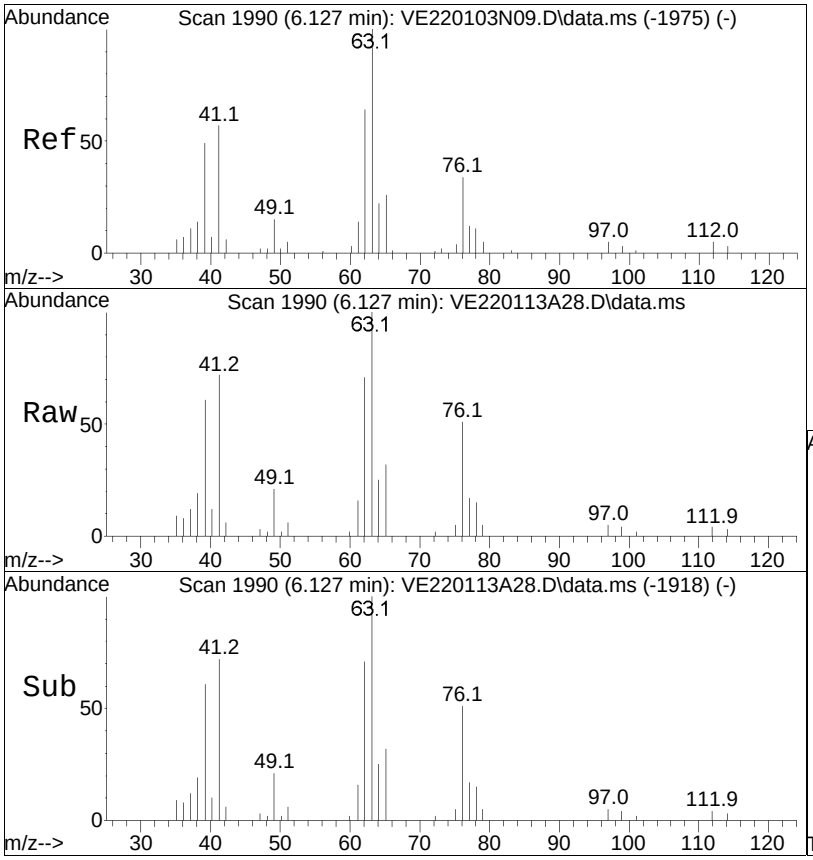


#50
Dibromomethane
Concen: 11.42 ug/L
RT: 6.018 min Scan# 1951
Delta R.T. 0.002 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 93 Resp: 11968

Ion	Ratio	Lower	Upper
93	100		
95	78.0	67.0	100.4
174	96.8	75.0	112.4

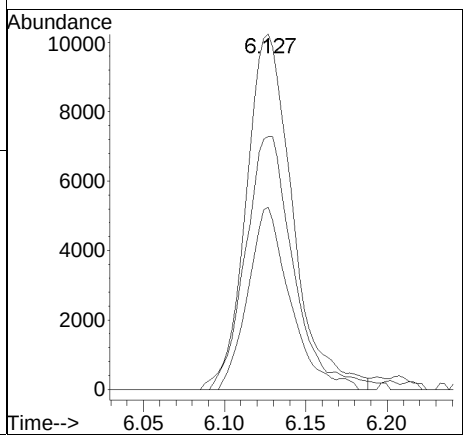


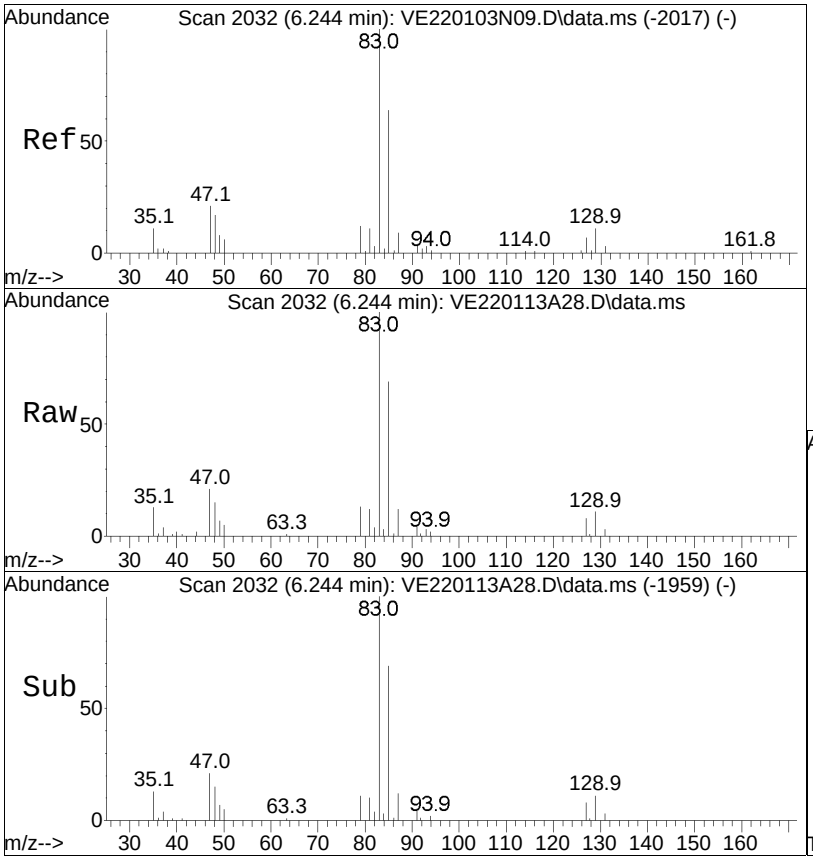


#51
1,2-Dichloropropane
Concen: 9.84 ug/L
RT: 6.127 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 63 Resp: 20378

Ion	Ratio	Lower	Upper
63	100		
62	73.6	58.6	87.8
76	46.7	38.0	57.0

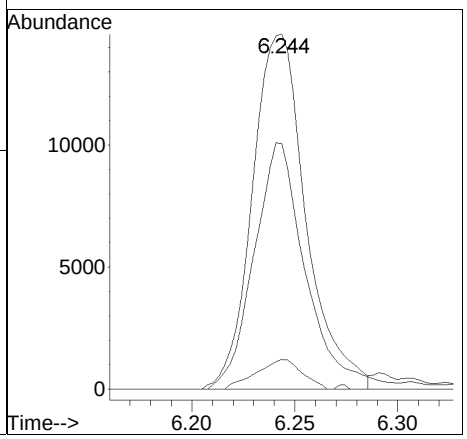


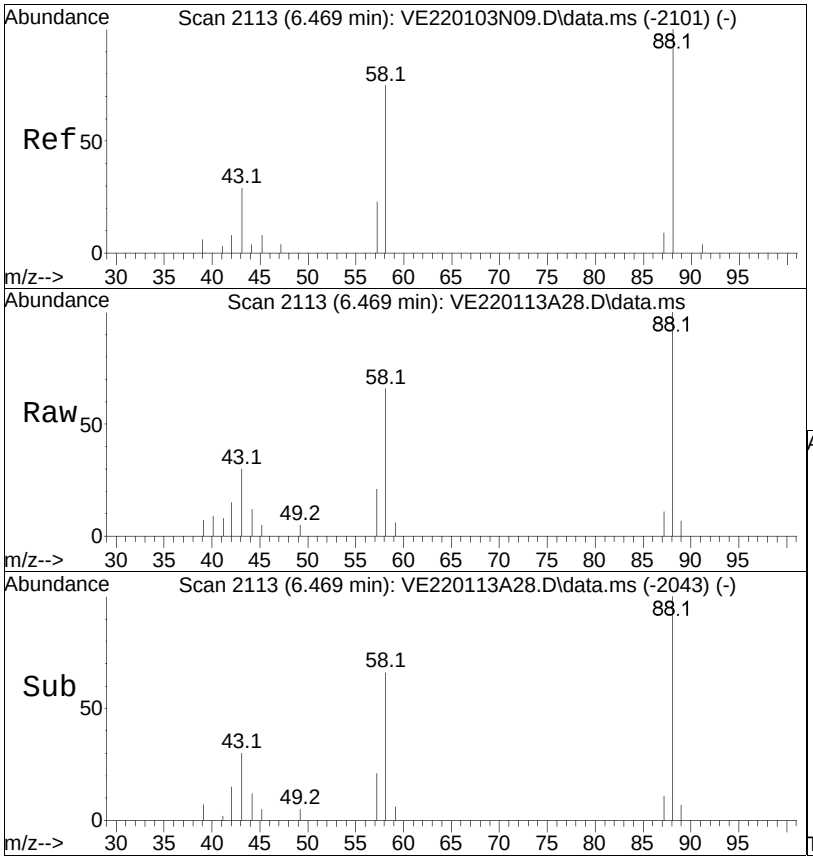


#54
Bromodichloromethane
Concen: 9.67 ug/L
RT: 6.244 min Scan# 2032
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 83 Resp: 26429

Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.3	78.5
127	7.3	6.2	9.4

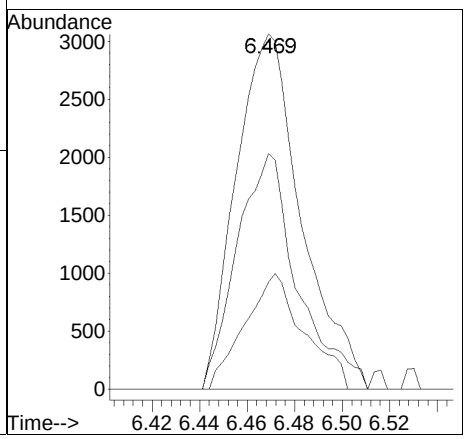


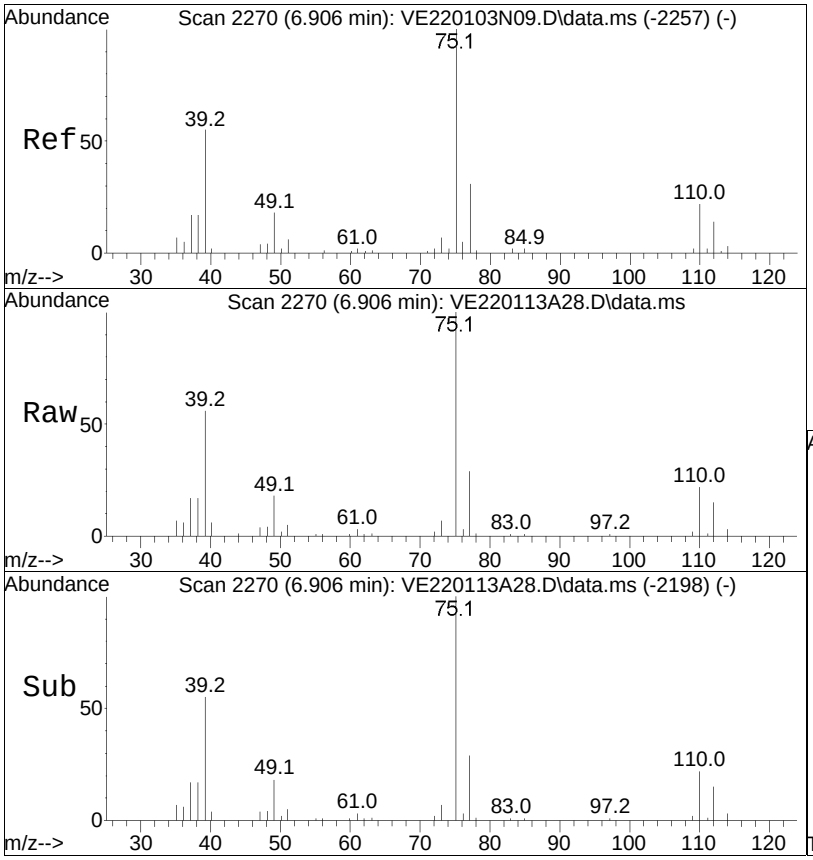


#57
1,4-Dioxane
Concen: 869.95 ug/L
RT: 6.469 min Scan# 2113
Delta R.T. -0.006 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 88 Resp: 5873

Ion	Ratio	Lower	Upper
88	100		
58	61.5	76.7	115.1#
43	29.6	36.2	54.2#

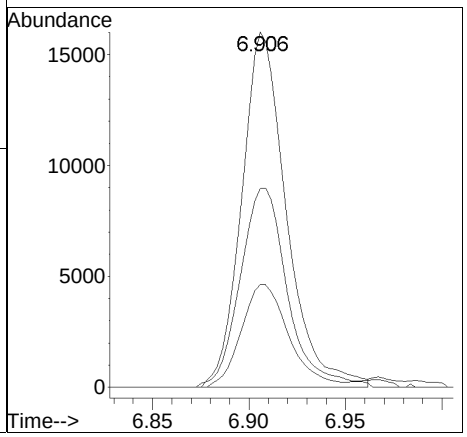


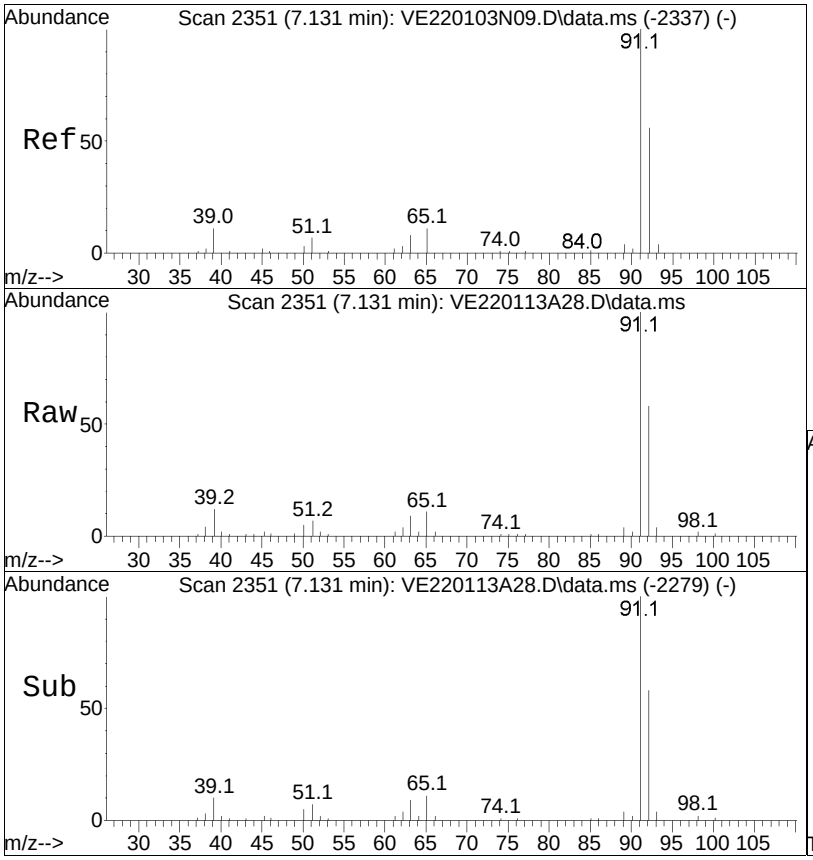


#58
cis-1,3-Dichloropropene
Concen: 8.47 ug/L
RT: 6.906 min Scan# 2270
Delta R.T. -0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 75 Resp: 25885

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4
39	59.0	50.1	75.1

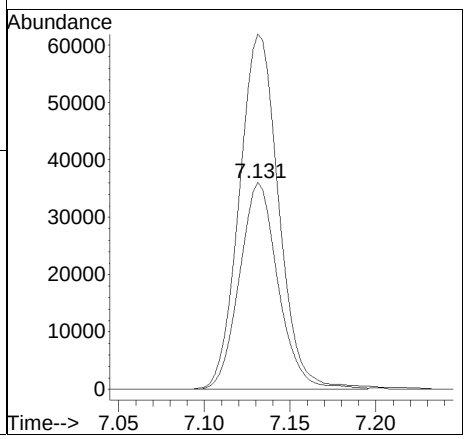


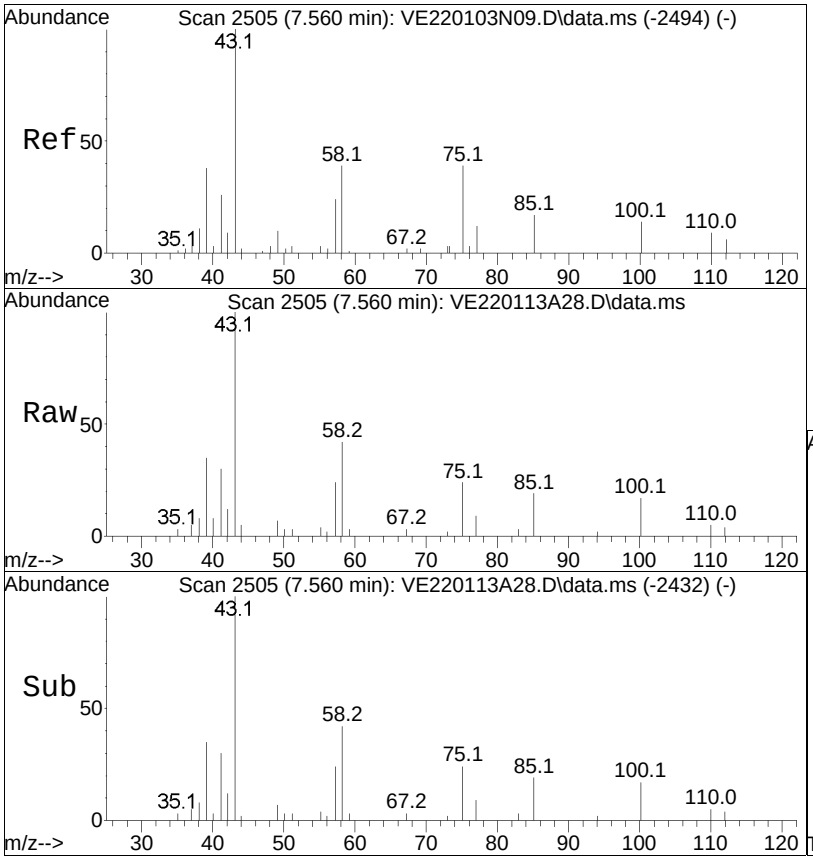


#61
Toluene
Concen: 10.25 ug/L
RT: 7.131 min Scan# 2351
Delta R.T. 0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 92 Resp: 56681

Ion	Ratio	Lower	Upper
92	100		
91	176.1	139.8	209.6

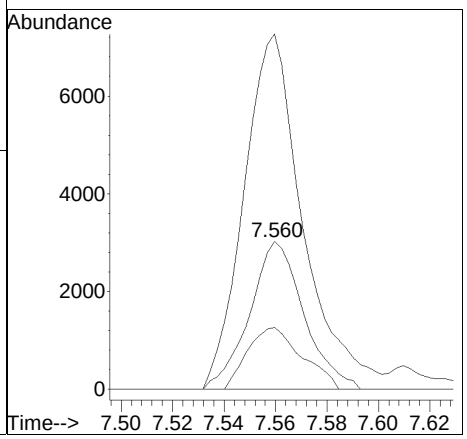


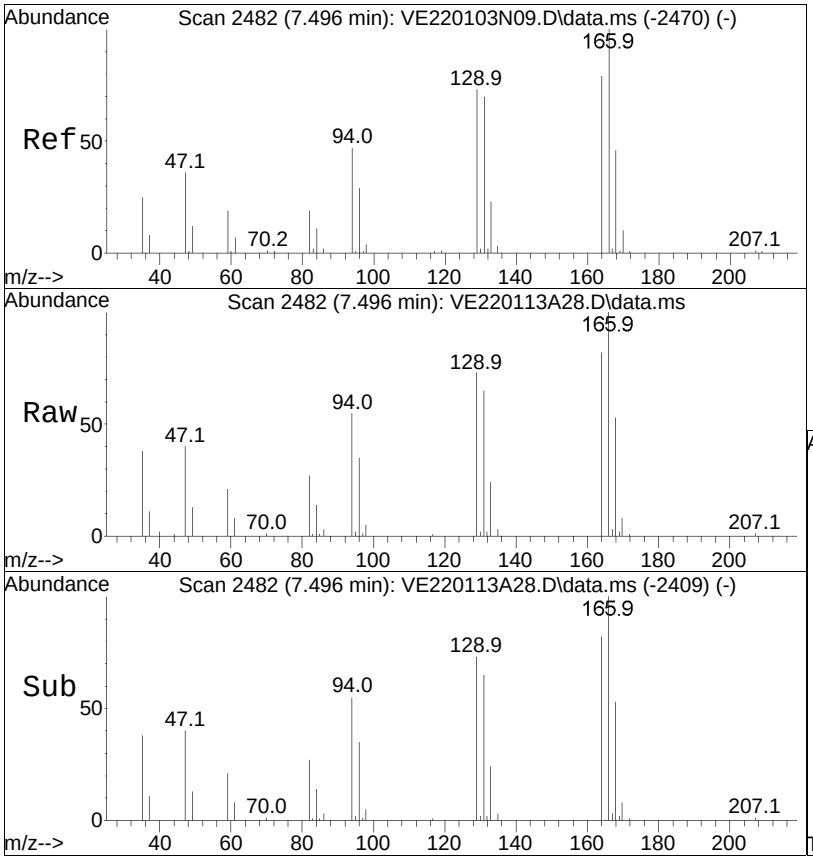


#62
4-Methyl-2-pentanone
Concen: 11.58 ug/L
RT: 7.560 min Scan# 2505
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 58 Resp: 4439

Ion	Ratio	Lower	Upper
58	100		
100	42.1	20.2	30.2#
43	260.8	196.6	295.0

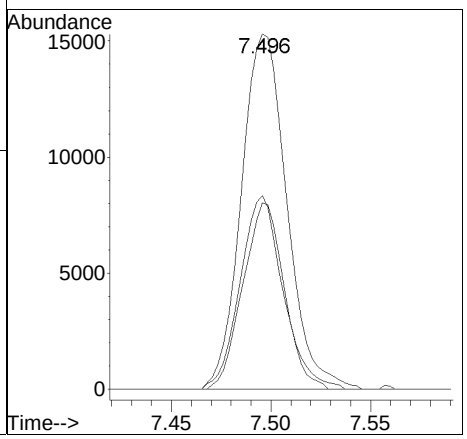


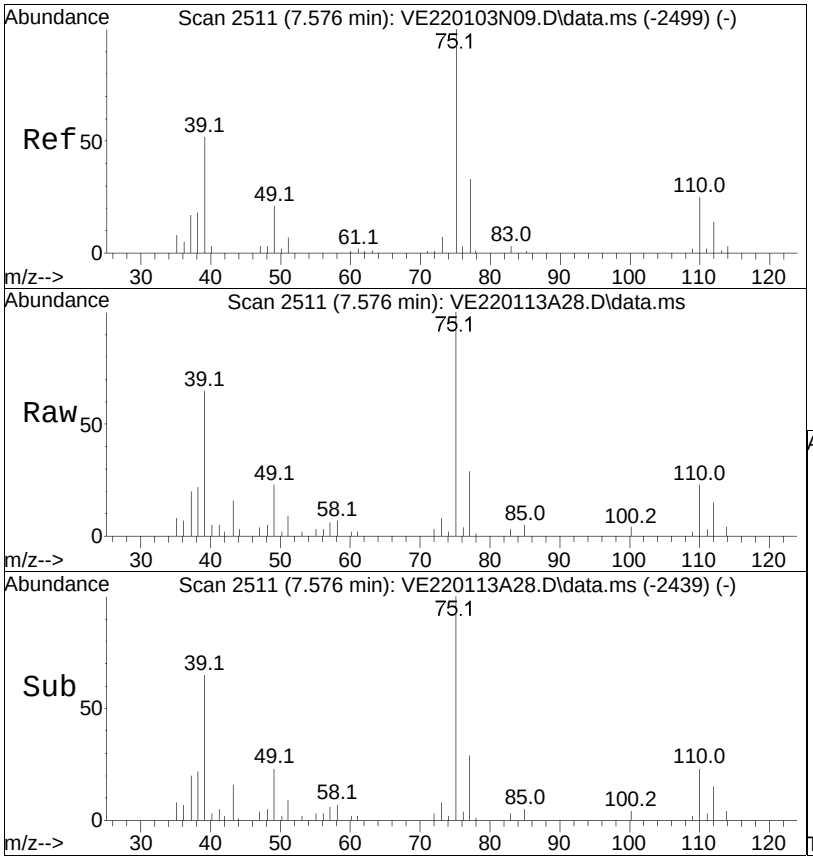


#63
Tetrachloroethene
Concen: 10.85 ug/L
RT: 7.496 min Scan# 2482
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:166 Resp: 24348

Ion	Ratio	Lower	Upper
166	100		
168	48.8	28.2	68.2
94	50.2	38.4	78.4

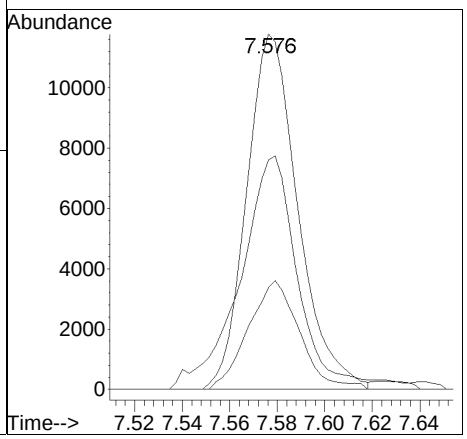


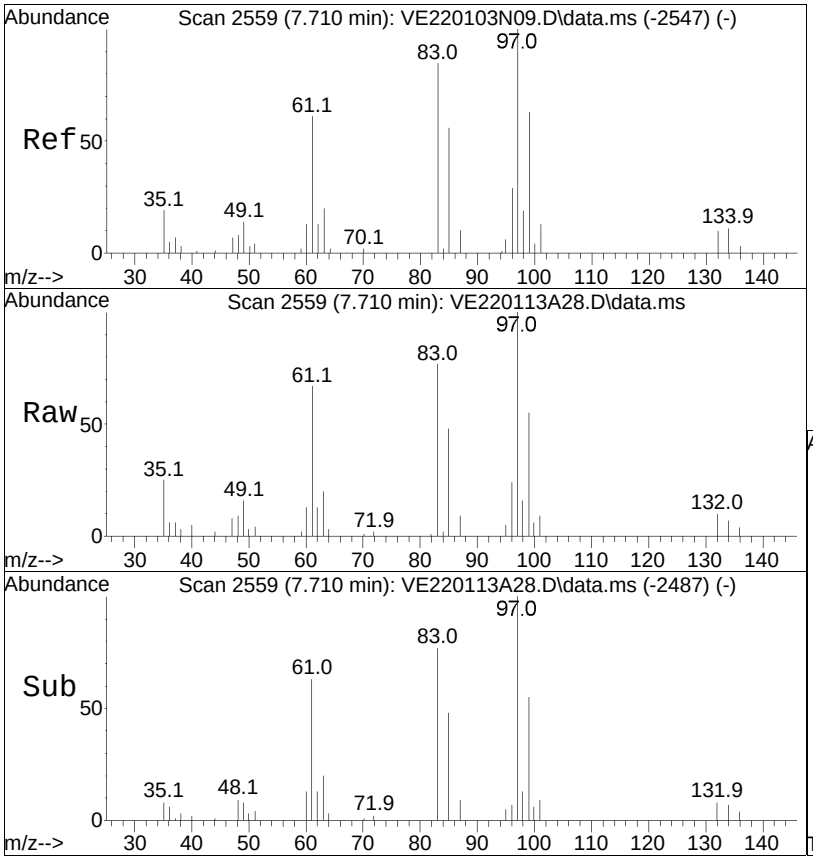


#65
trans-1,3-Dichloropropene
Concen: 6.89 ug/L
RT: 7.576 min Scan# 2511
Delta R.T. 0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 75 Resp: 17705

Ion	Ratio	Lower	Upper
75	100		
77	30.5	12.4	52.4
39	74.4	42.8	82.8

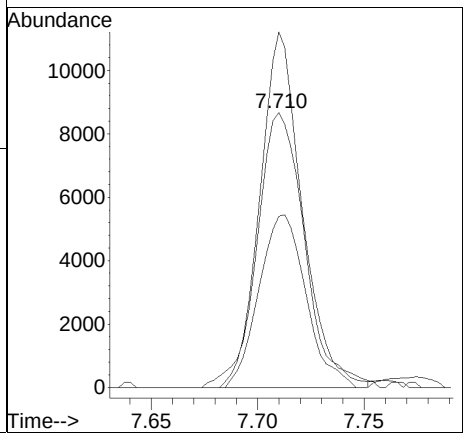


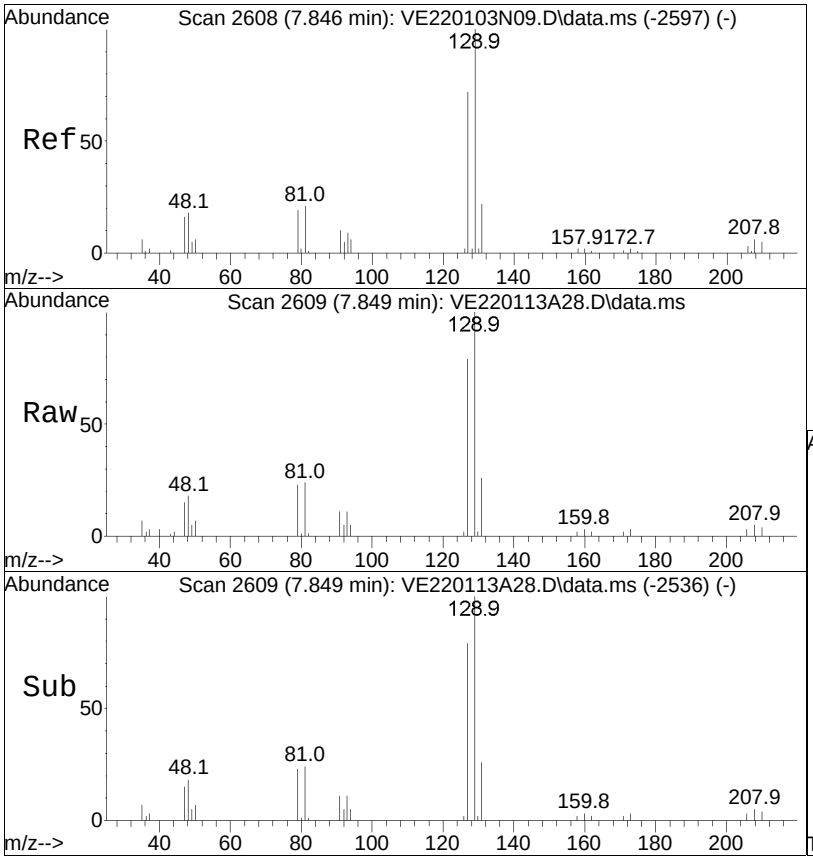


#68
1,1,2-Trichloroethane
Concen: 11.11 ug/L
RT: 7.710 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 83 Resp: 13405

Ion	Ratio	Lower	Upper
83	100		
97	115.9	89.8	129.8
85	62.5	44.4	84.4

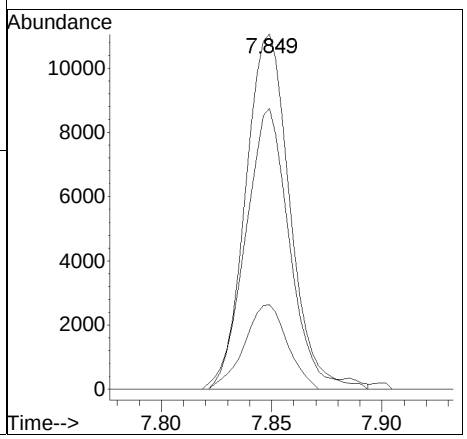


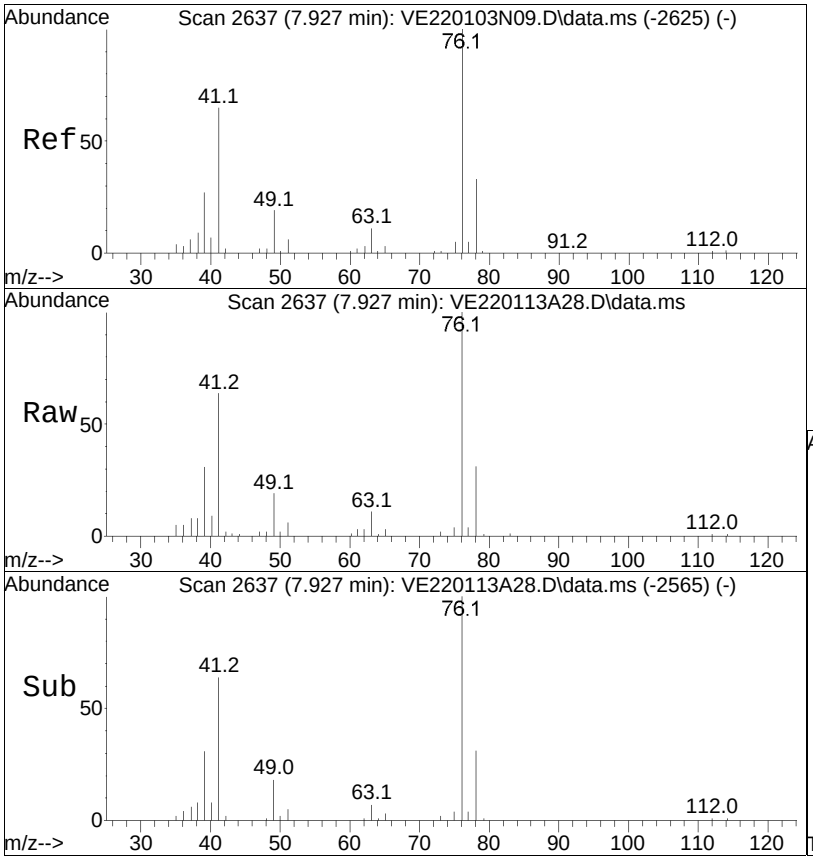


#69
Chlorodibromomethane
Concen: 9.14 ug/L
RT: 7.849 min Scan# 2609
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:129 Resp: 15549

Ion	Ratio	Lower	Upper
129	100		
81	23.1	2.9	42.9
127	77.9	57.8	97.8

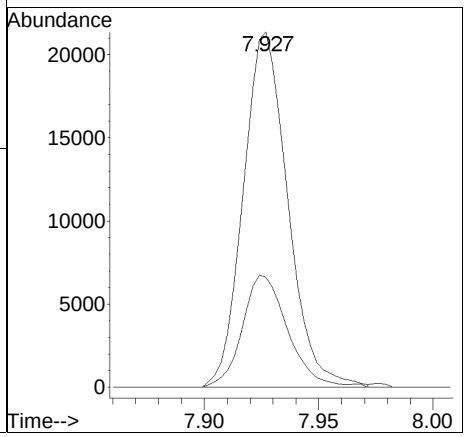


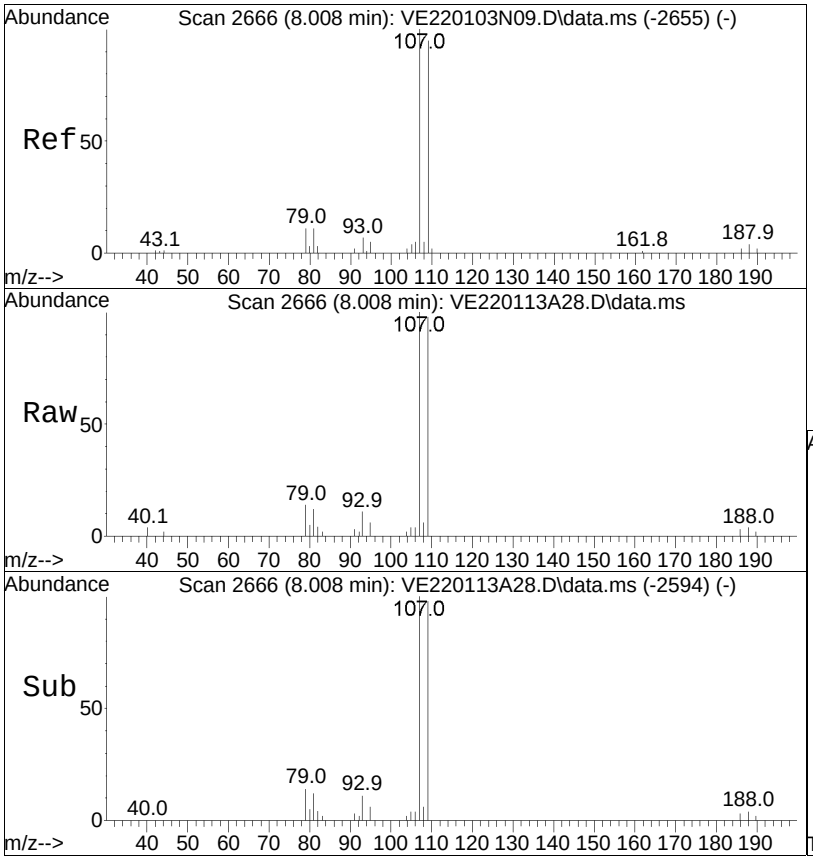


#70
1,3-Dichloropropane
Concen: 11.19 ug/L
RT: 7.927 min Scan# 2637
Delta R.T. -0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 76 Resp: 28938

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

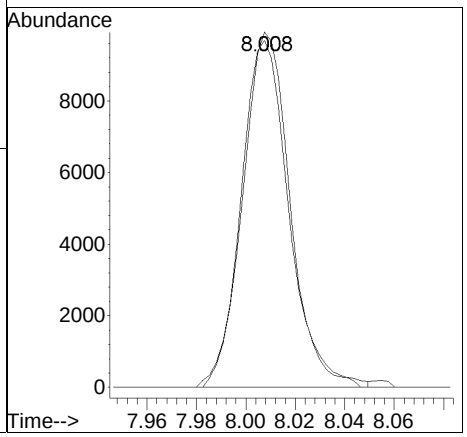


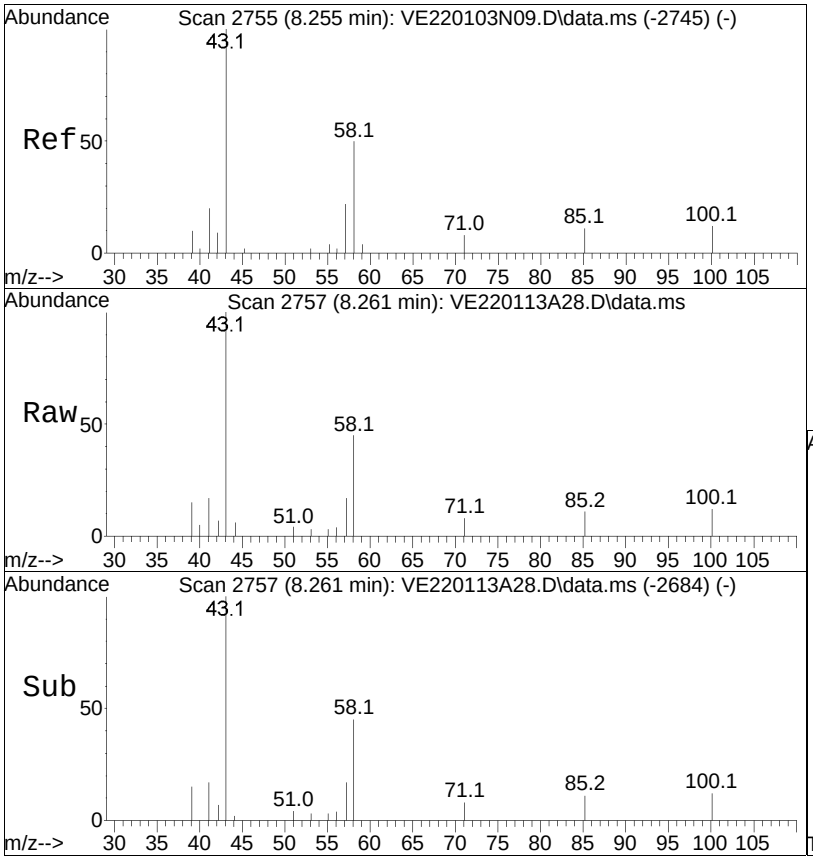


#71
1,2-Dibromoethane
Concen: 9.47 ug/L
RT: 8.008 min Scan# 2666
Delta R.T. -0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:107 Resp: 13243

Ion	Ratio	Lower	Upper
107	100		
109	98.5	74.3	111.5

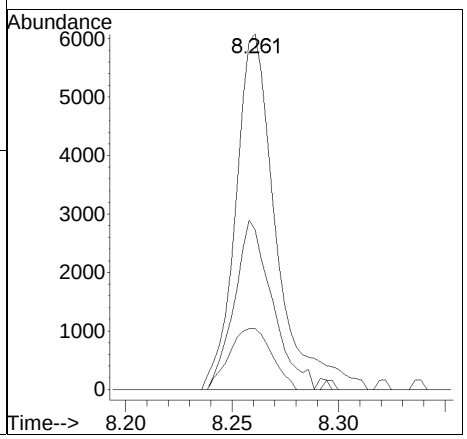


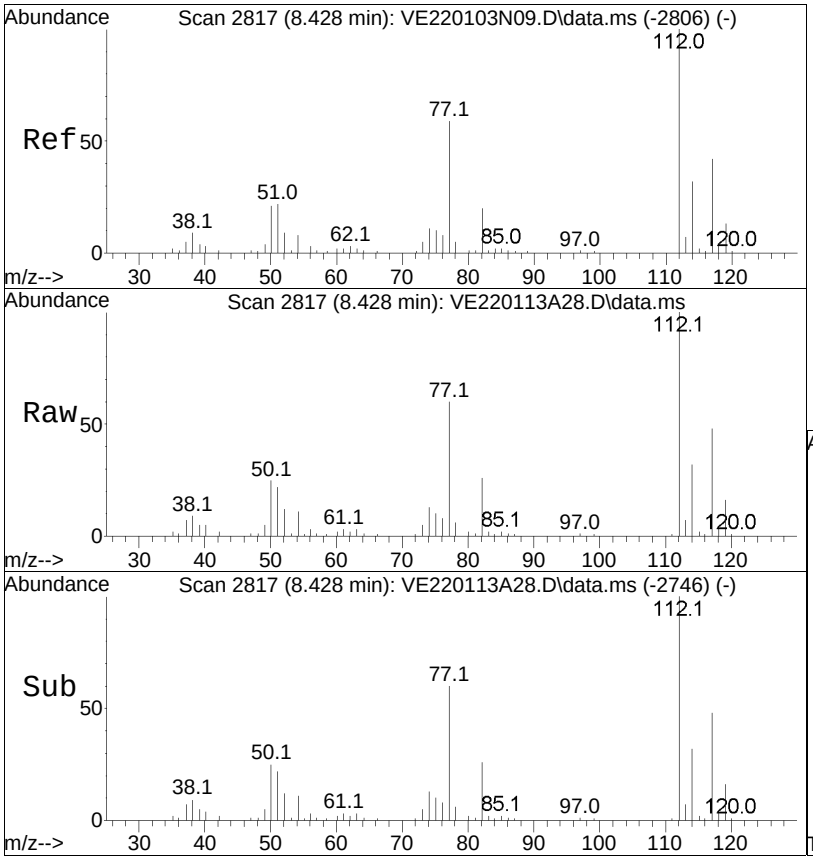


#72
2-Hexanone
Concen: 11.47 ug/L
RT: 8.261 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 43 Resp: 7987

Ion	Ratio	Lower	Upper
43	100		
58	44.8	41.2	61.8
57	18.1	17.2	25.8

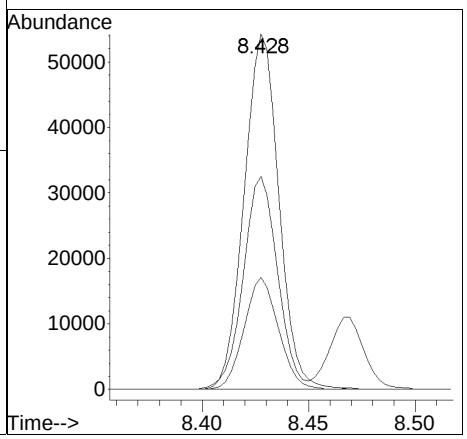


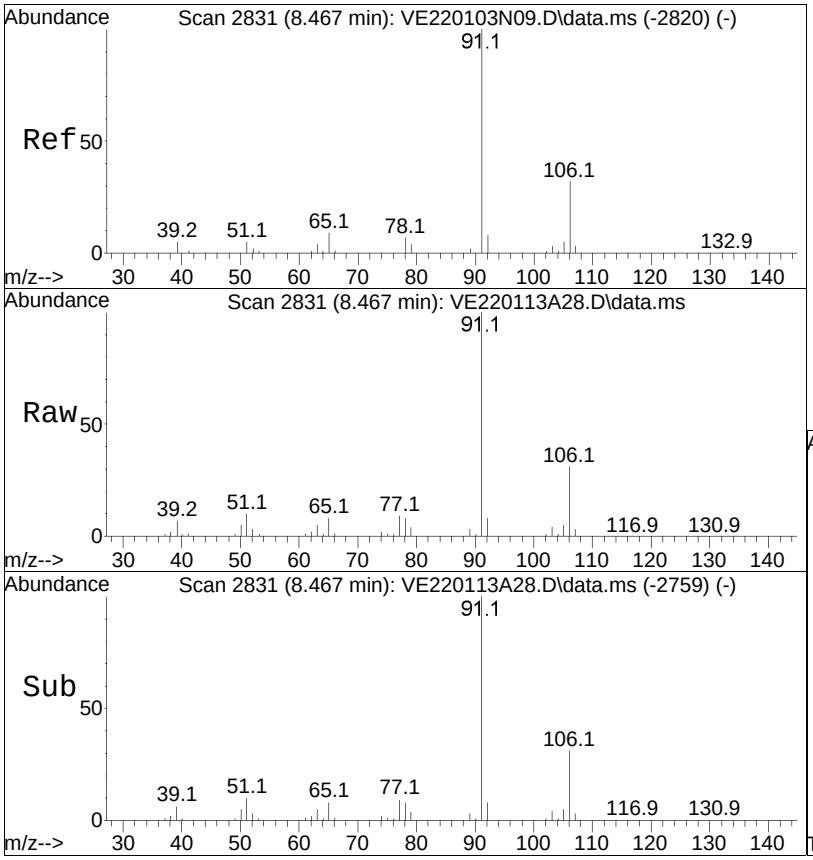


#73
Chlorobenzene
Concen: 10.82 ug/L
RT: 8.428 min Scan# 2817
Delta R.T. -0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:112 Resp: 61626

Ion	Ratio	Lower	Upper
112	100		
77	59.4	55.4	83.0
114	31.1	25.4	38.2

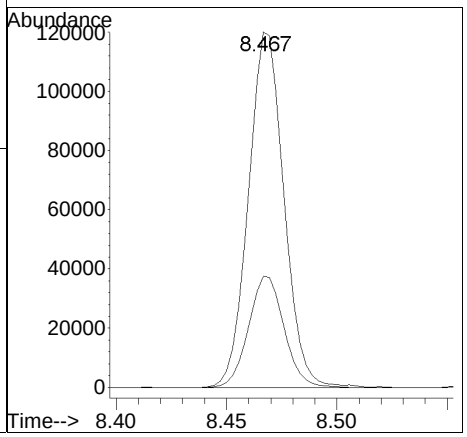


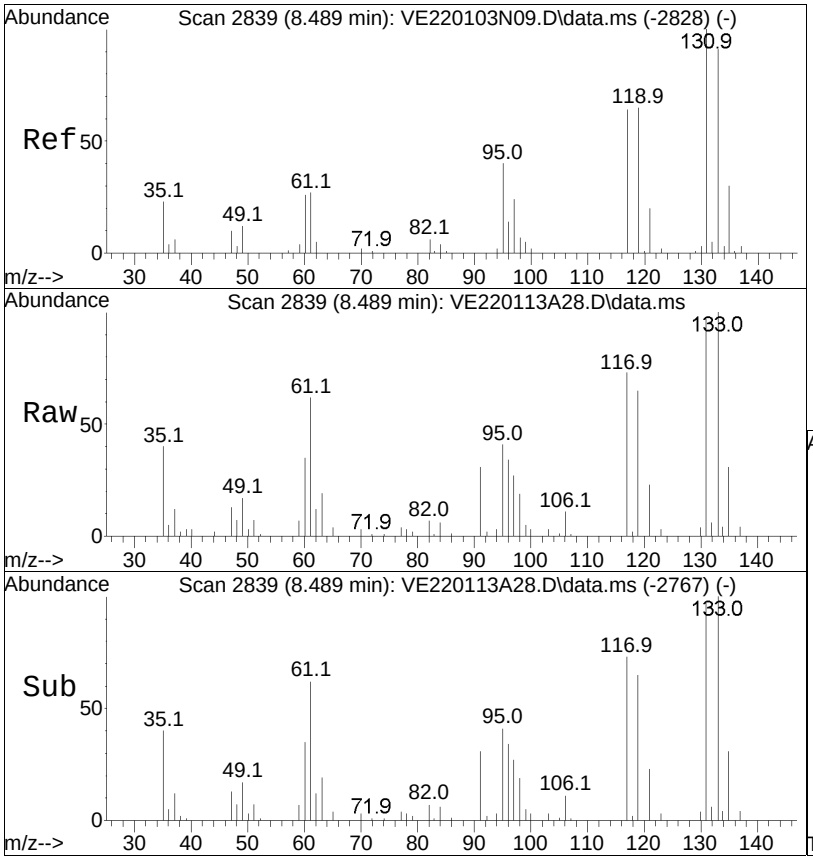


#74
Ethylbenzene
Concen: 12.81 ug/L
RT: 8.467 min Scan# 2831
Delta R.T. -0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 91 Resp: 134263

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.3	36.5

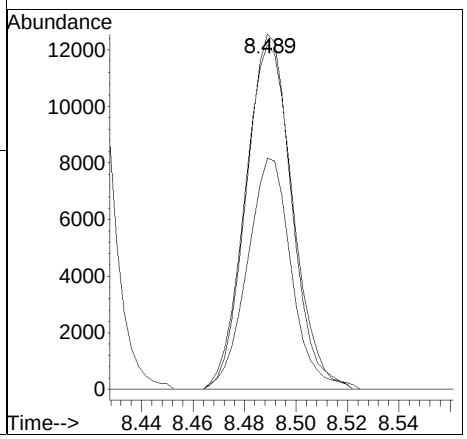


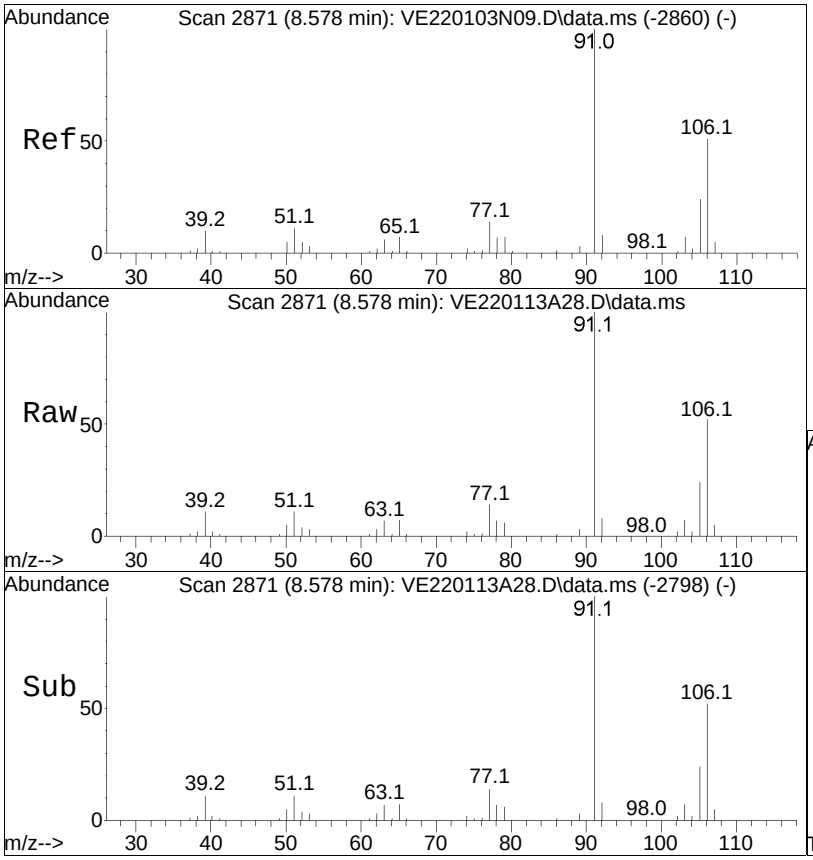


#75
1,1,1,2-Tetrachloroethane
Concen: 7.91 ug/L
RT: 8.489 min Scan# 2839
Delta R.T. -0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:131 Resp: 15802

Ion	Ratio	Lower	Upper
131	100		
133	97.3	81.0	121.0
119	61.7	41.3	81.3

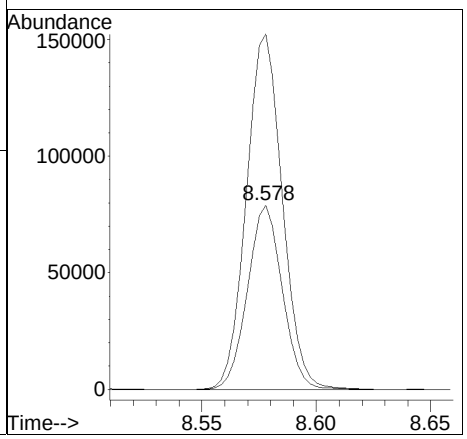


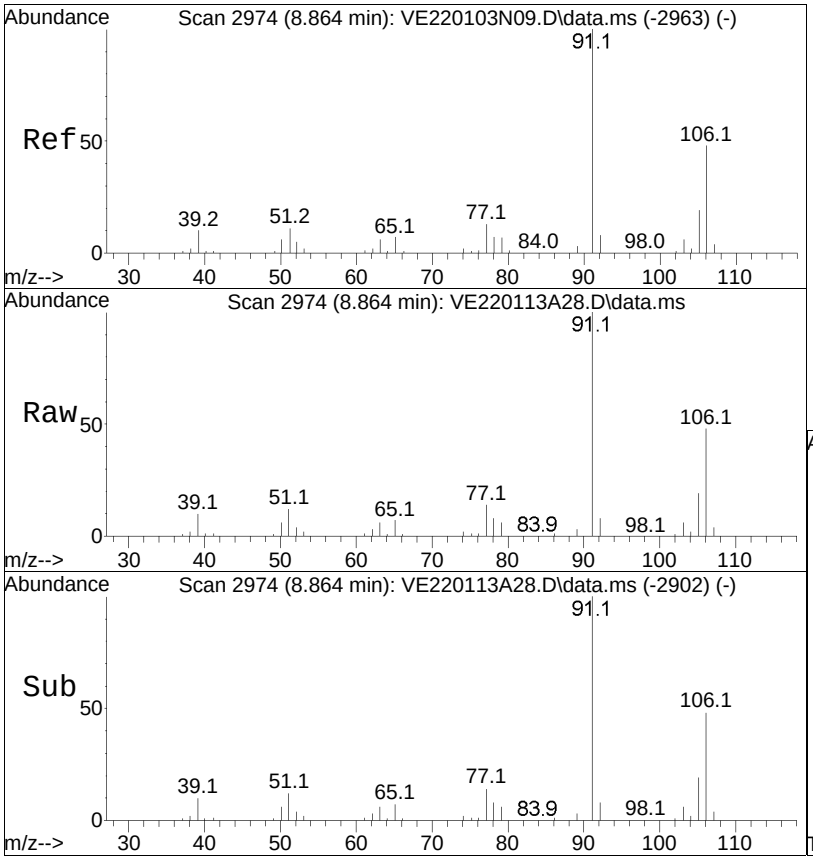


#76
p/m Xylene
Concen: 20.65 ug/L
RT: 8.578 min Scan# 2871
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:106 Resp: 83499

Ion	Ratio	Lower	Upper
106	100		
91	199.3	166.4	249.6

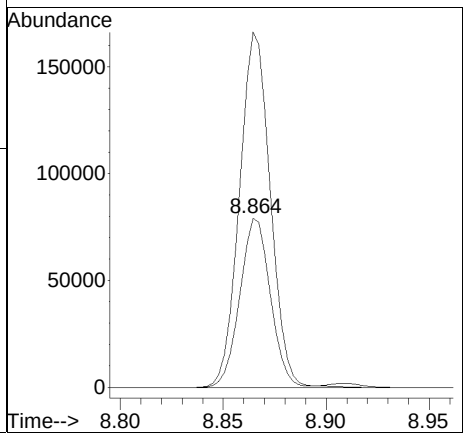


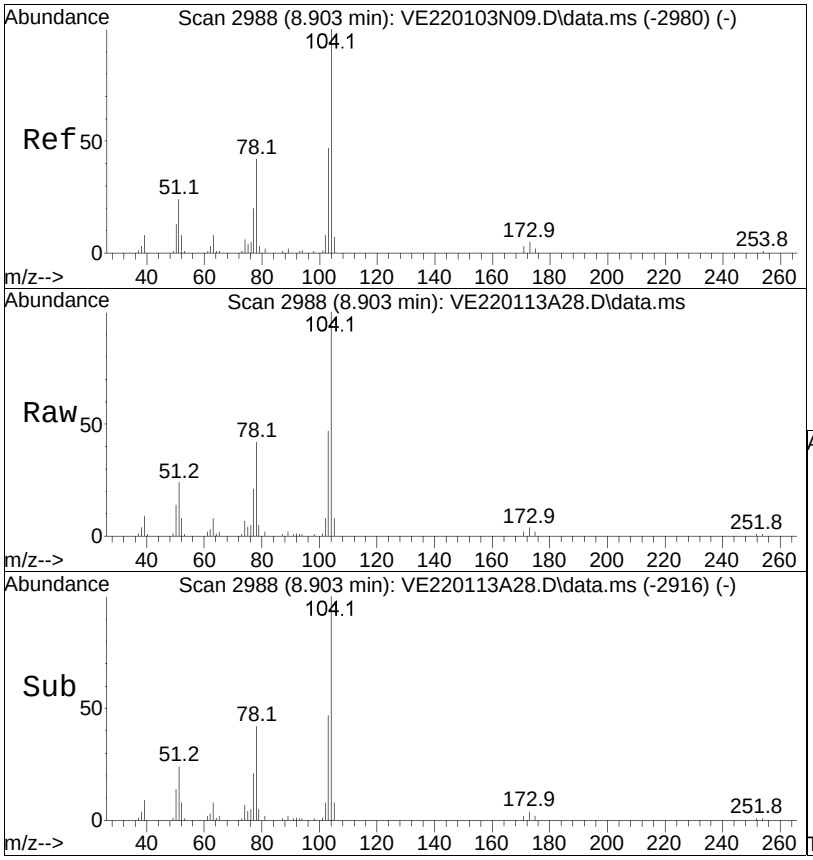


#77
o Xylene
Concen: 21.48 ug/L
RT: 8.864 min Scan# 2974
Delta R.T. -0.001 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:106 Resp: 82217

Ion	Ratio	Lower	Upper
106	100		
91	210.3	182.6	273.8

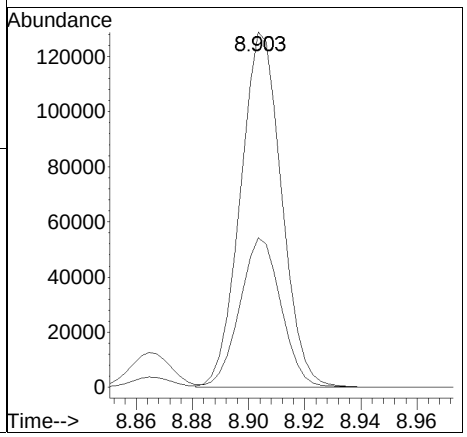


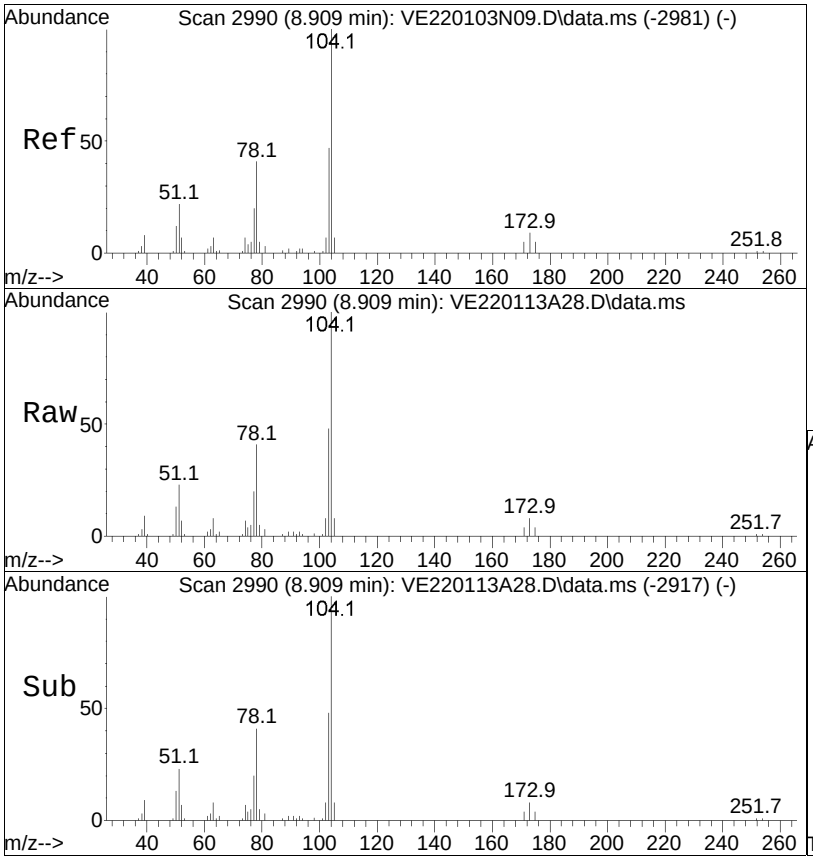


#78
Styrene
Concen: 20.90 ug/L
RT: 8.903 min Scan# 2988
Delta R.T. 0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:104 Resp: 131239

Ion	Ratio	Lower	Upper
104	100		
78	42.2	39.8	59.6

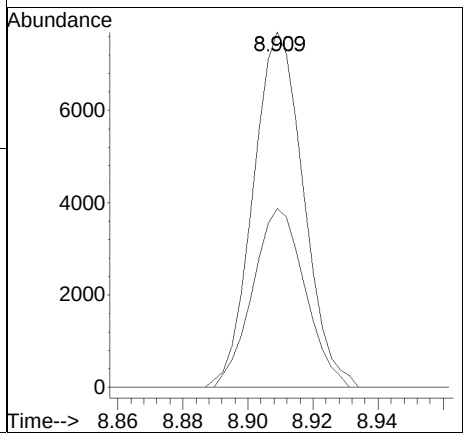


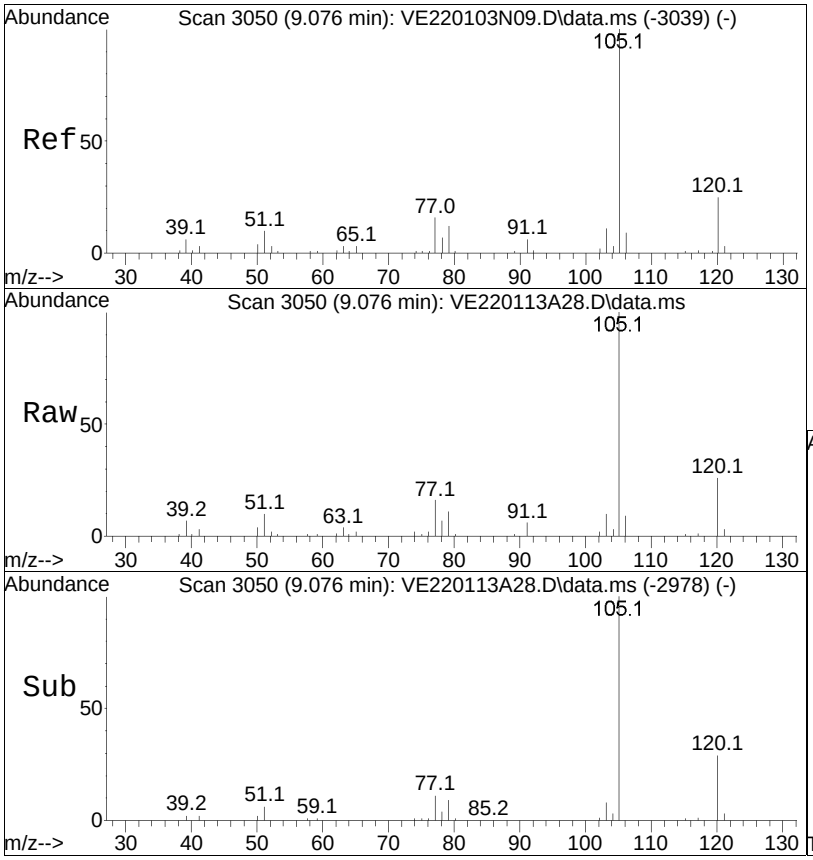


#80
Bromoform
Concen: 8.19 ug/L
RT: 8.909 min Scan# 2990
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:173 Resp: 8302

Ion	Ratio	Lower	Upper
173	100		
175	52.2	31.5	71.5

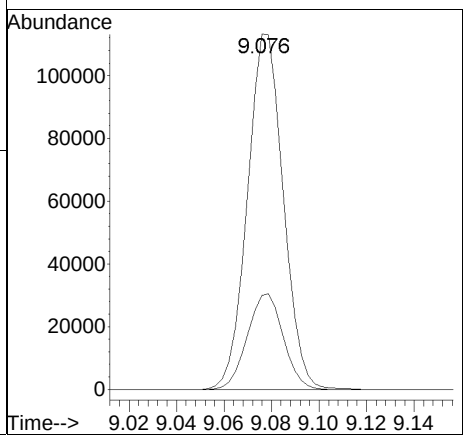


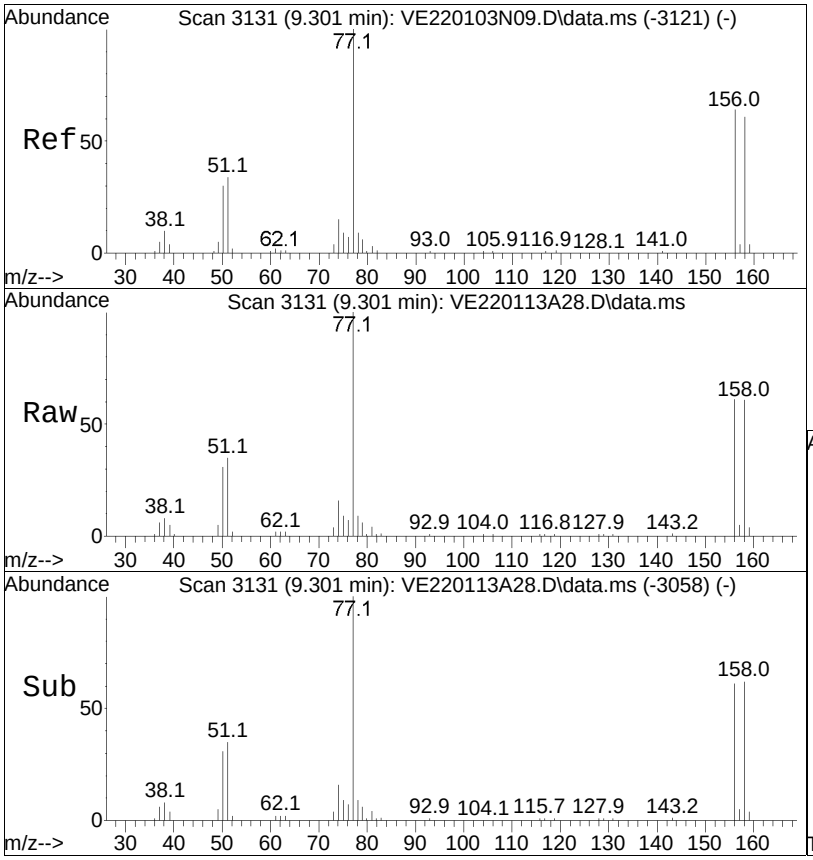


#82
Isopropylbenzene
Concen: 12.04 ug/L
RT: 9.076 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:105 Resp: 118731

Ion	Ratio	Lower	Upper
105	100		
120	26.9	4.8	44.8

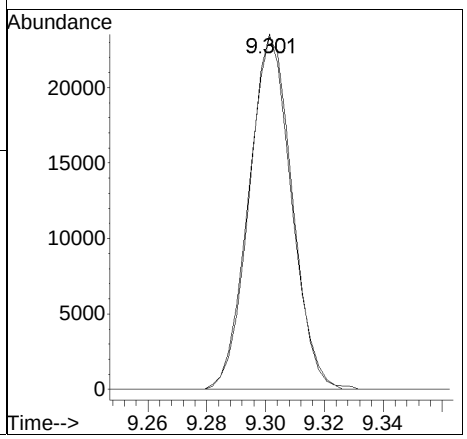


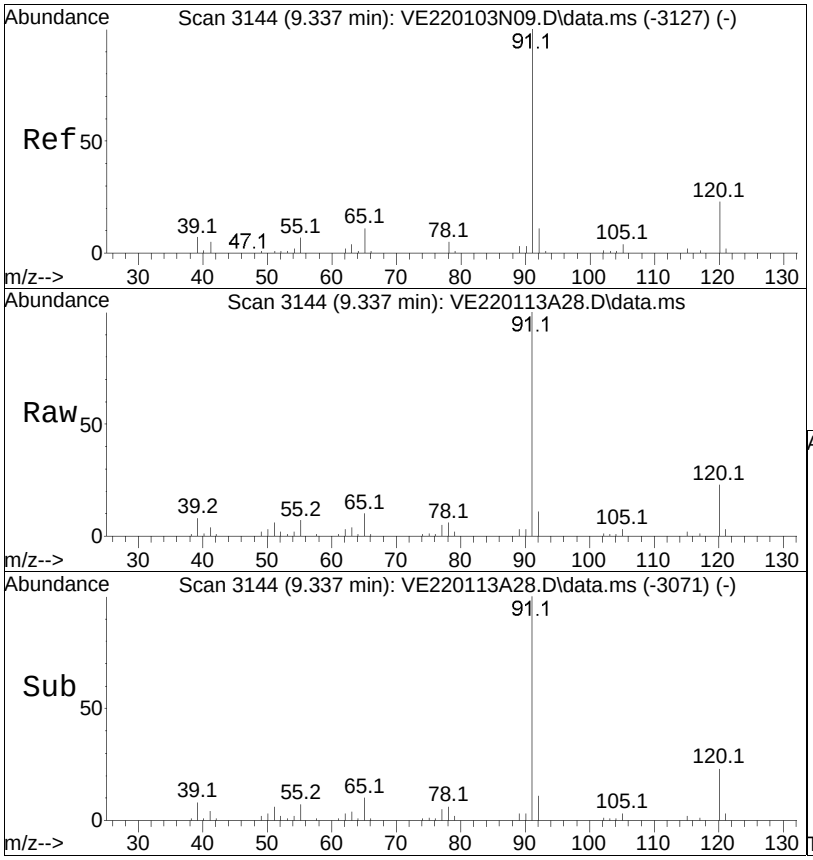


#84
Bromobenzene
Concen: 10.32 ug/L
RT: 9.301 min Scan# 3131
Delta R.T. 0.002 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:156 Resp: 23958

Ion	Ratio	Lower	Upper
156	100		
158	97.5	75.9	113.9

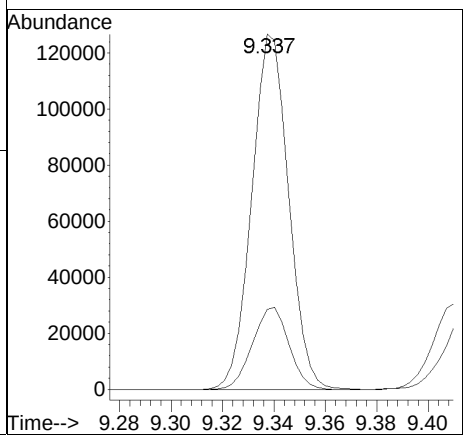


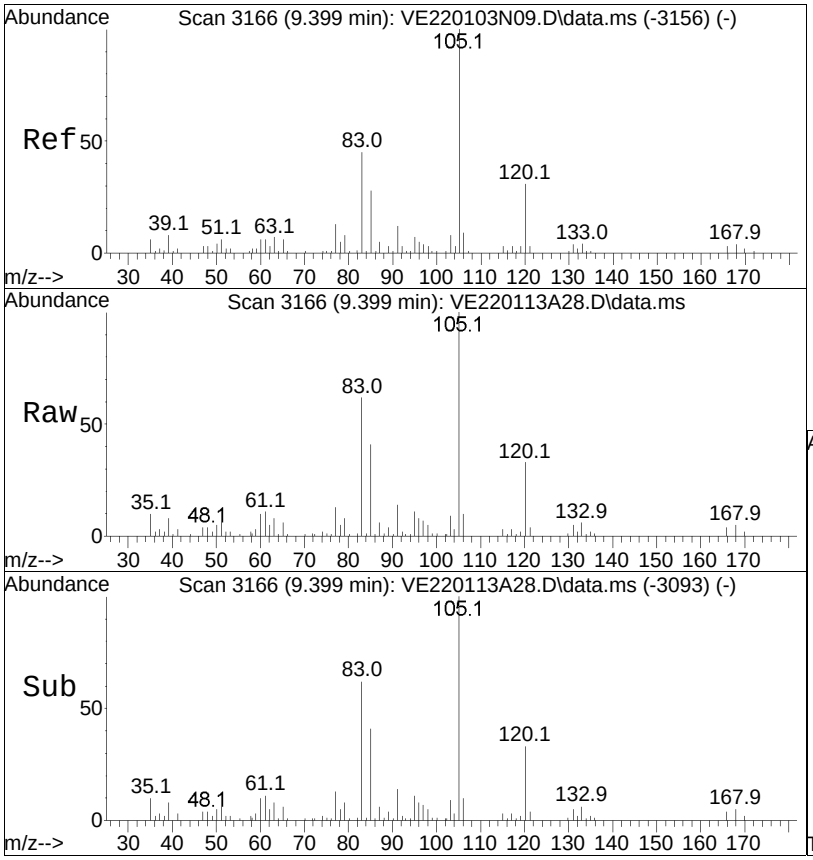


#85
n-Propylbenzene
Concen: 11.03 ug/L
RT: 9.337 min Scan# 3144
Delta R.T. 0.002 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 91 Resp: 125972

Ion	Ratio	Lower	Upper
91	100		
120	22.8	17.0	25.6

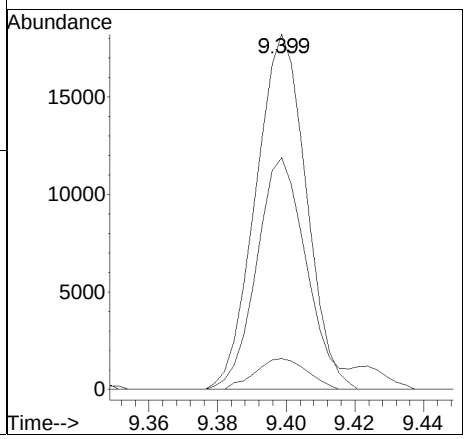


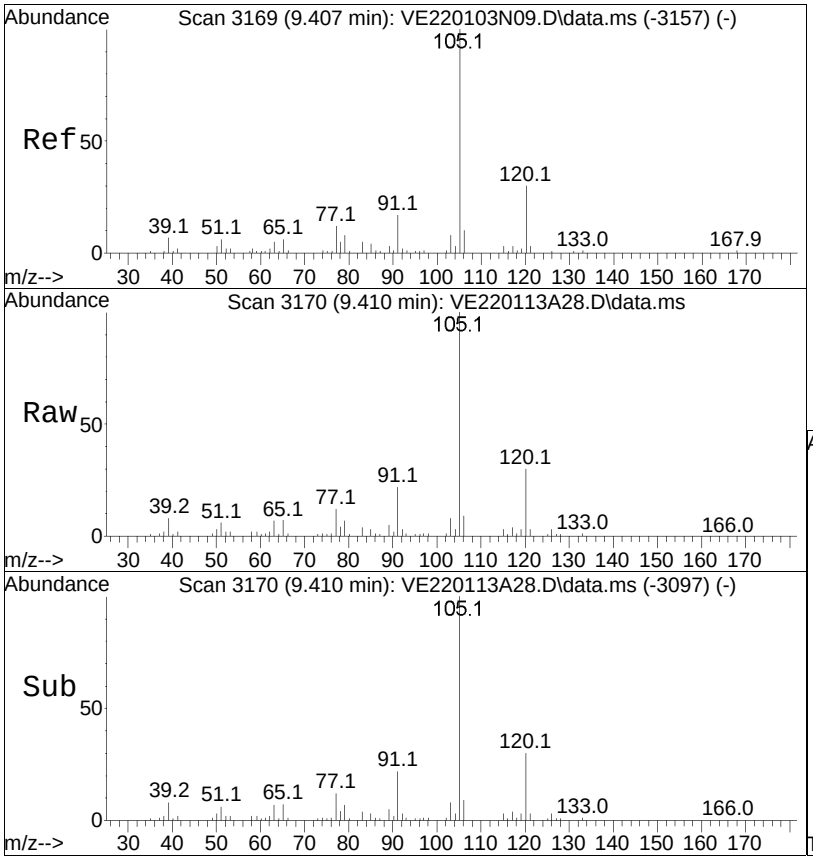


#87
1,1,2,2-Tetrachloroethane
Concen: 12.19 ug/L
RT: 9.399 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 83 Resp: 18582

Ion	Ratio	Lower	Upper
83	100		
131	9.0	0.0	30.4
85	65.0	45.4	85.4

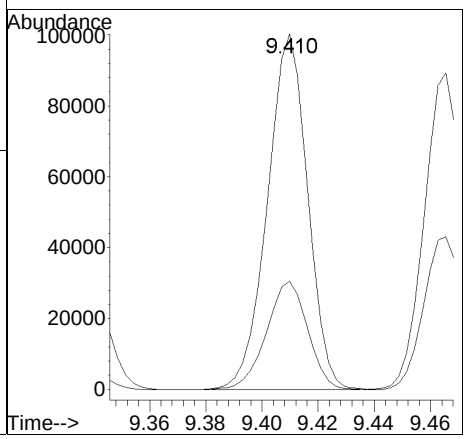


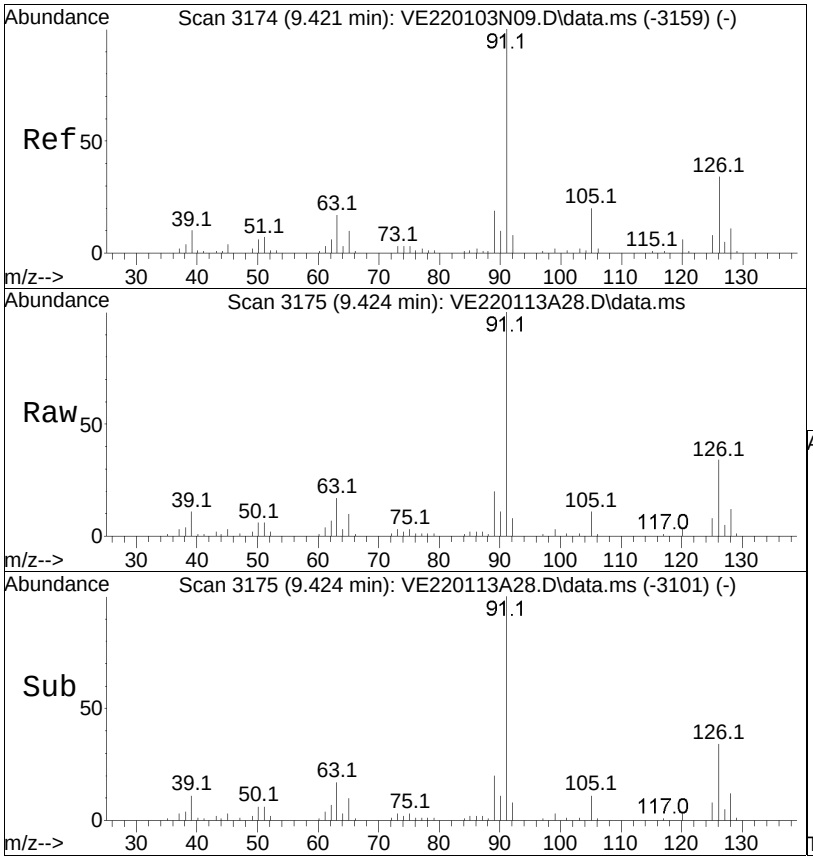


#88
4-Ethyltoluene
Concen: 10.41 ug/L
RT: 9.410 min Scan# 3170
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:105 Resp: 99424

Ion	Ratio	Lower	Upper
105	100		
120	31.2	18.1	37.7

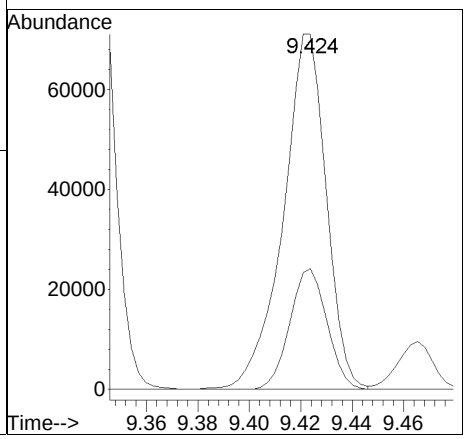


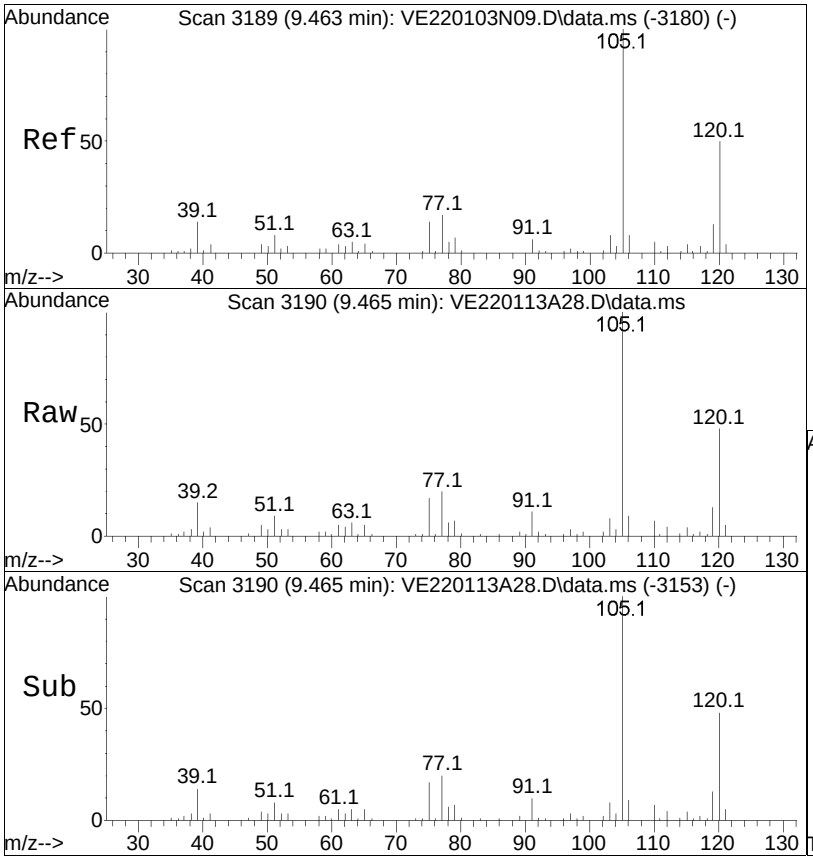


#89
2-Chlorotoluene
Concen: 10.52 ug/L
RT: 9.424 min Scan# 3175
Delta R.T. 0.006 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 91 Resp: 82783

Ion	Ratio	Lower	Upper
91	100		
126	29.3	21.5	32.3

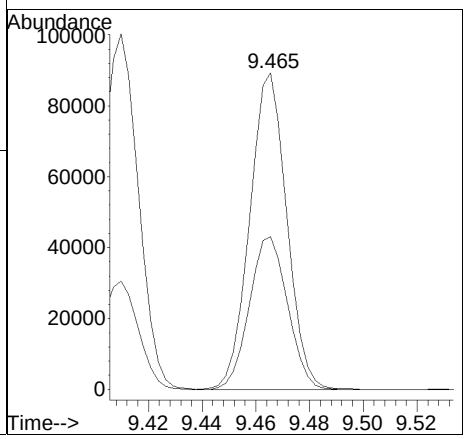


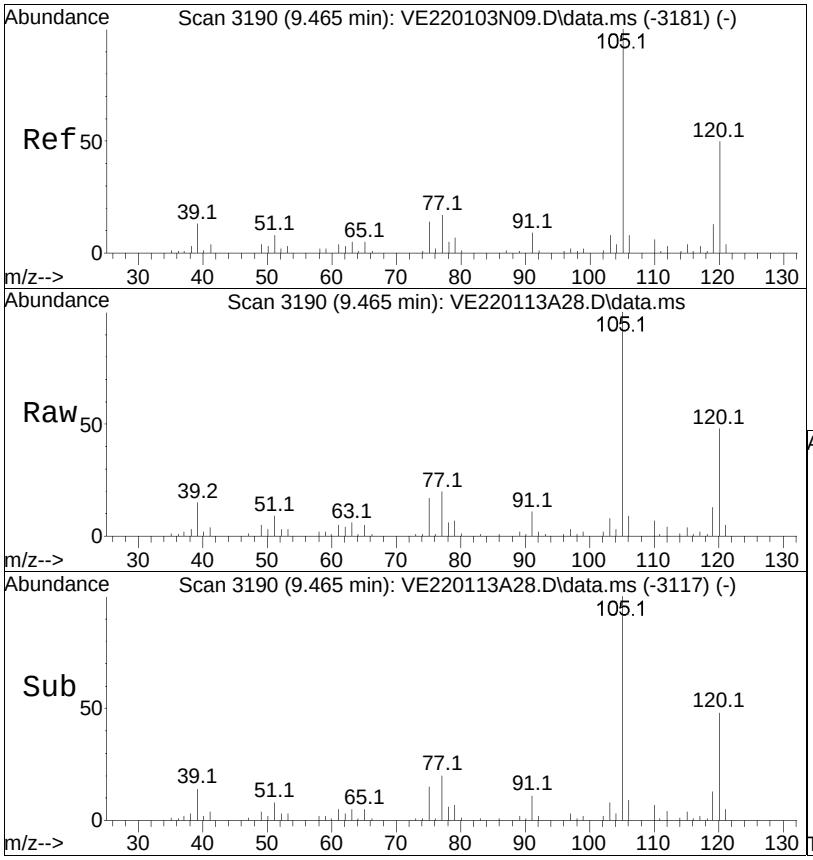


#90
1,3,5-Trimethylbenzene
Concen: 10.51 ug/L
RT: 9.465 min Scan# 3190
Delta R.T. 0.002 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:105 Resp: 85407

Ion	Ratio	Lower	Upper
105	100		
120	49.8	34.8	52.2

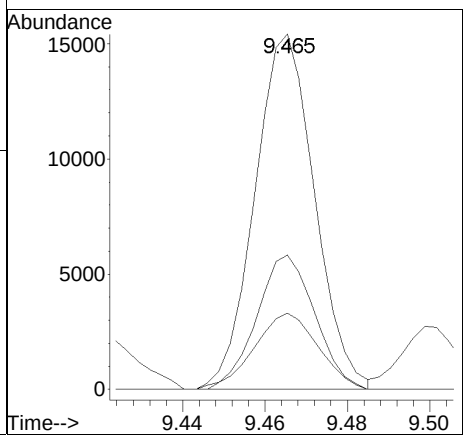


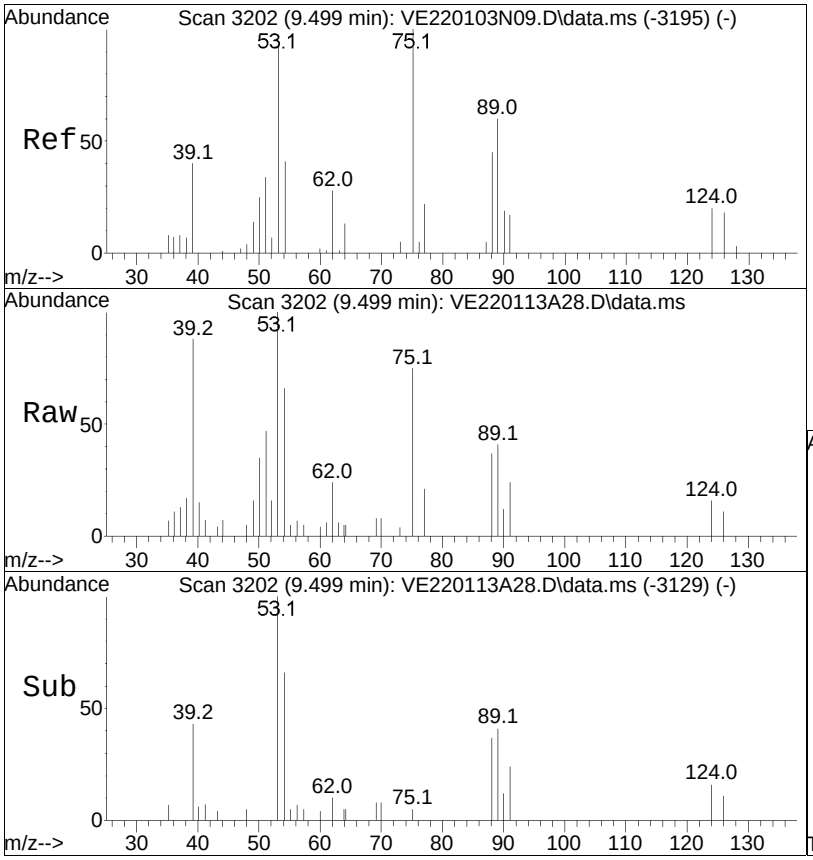


#91
1,2,3-Trichloropropane
Concen: 12.33 ug/L
RT: 9.465 min Scan# 3190
Delta R.T. 0.002 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 75 Resp: 15549

Ion	Ratio	Lower	Upper
75	100		
110	36.8	25.4	52.8
112	23.0	15.6	32.4

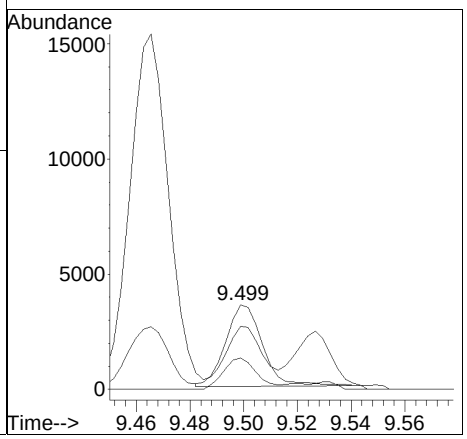


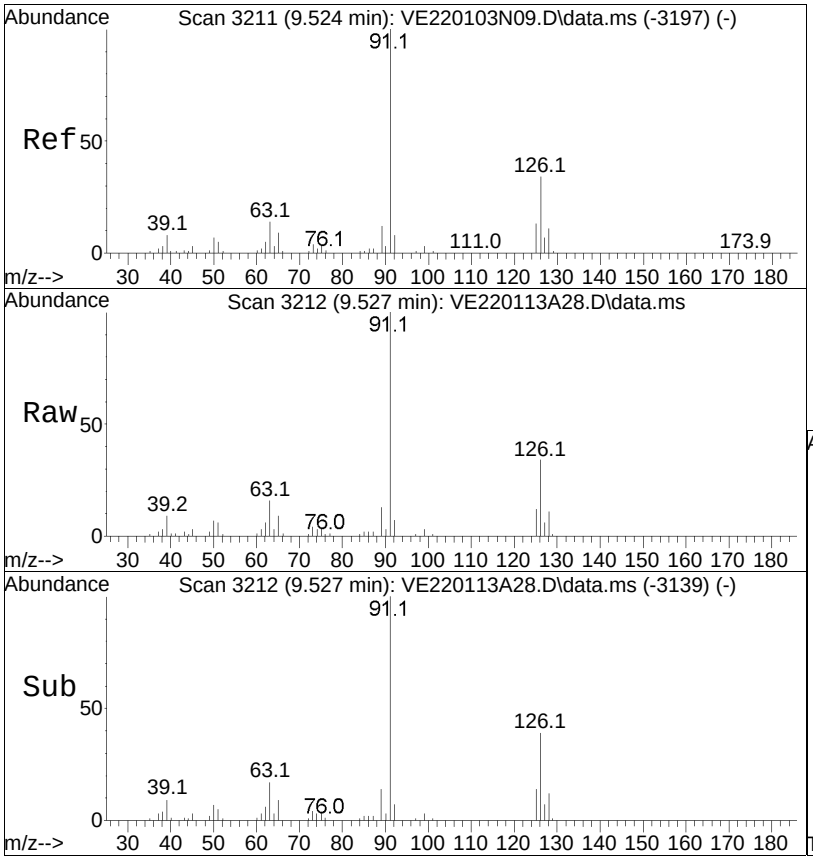


#92
trans-1,4-Dichloro-2-butene
Concen: 7.53 ug/L
RT: 9.499 min Scan# 3202
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 53 Resp: 3416

Ion	Ratio	Lower	Upper
53	100		
88	34.3	39.6	59.4#
75	78.9	70.2	105.4

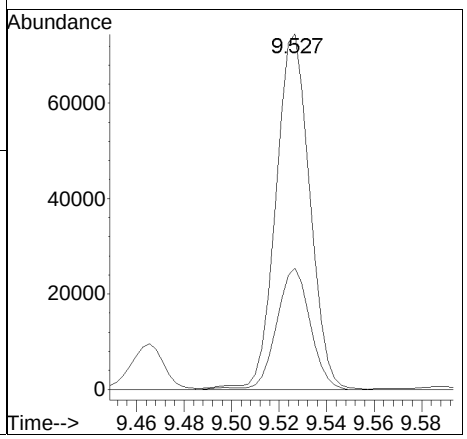


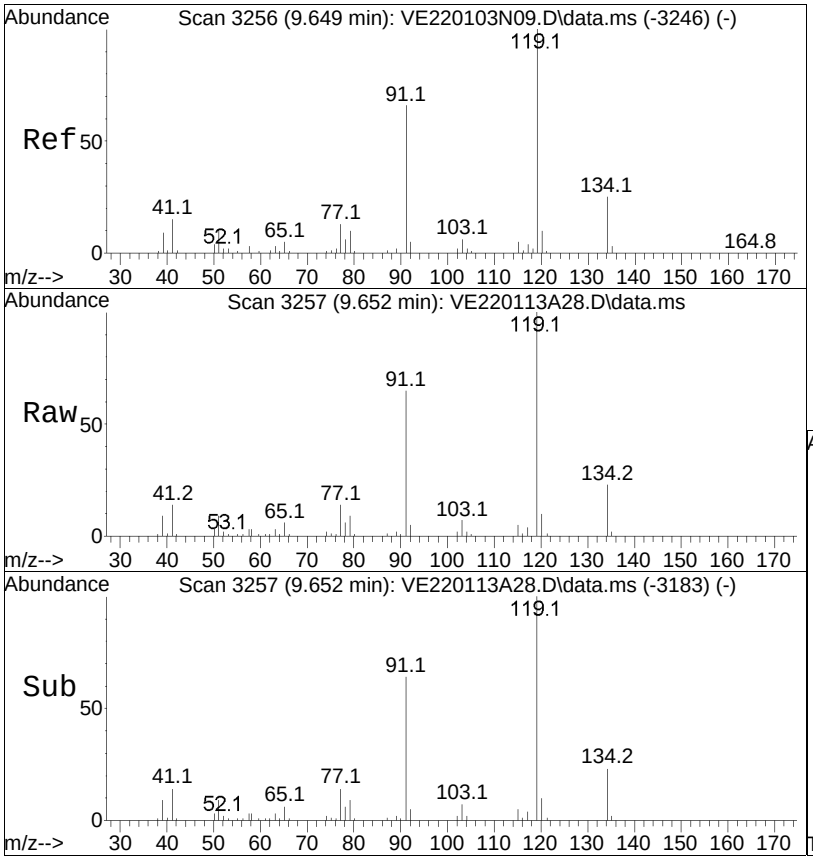


#93
4-Chlorotoluene
Concen: 10.48 ug/L
RT: 9.527 min Scan# 3212
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 91 Resp: 73733

Ion	Ratio	Lower	Upper
91	100		
126	33.4	24.6	36.8

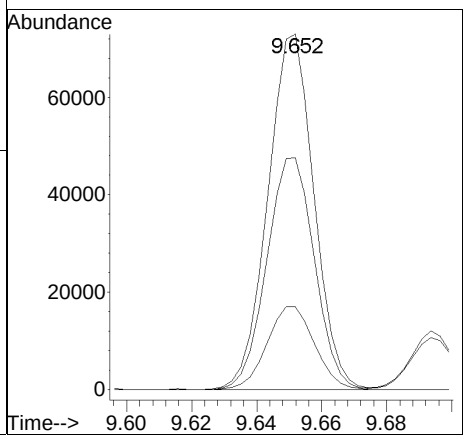


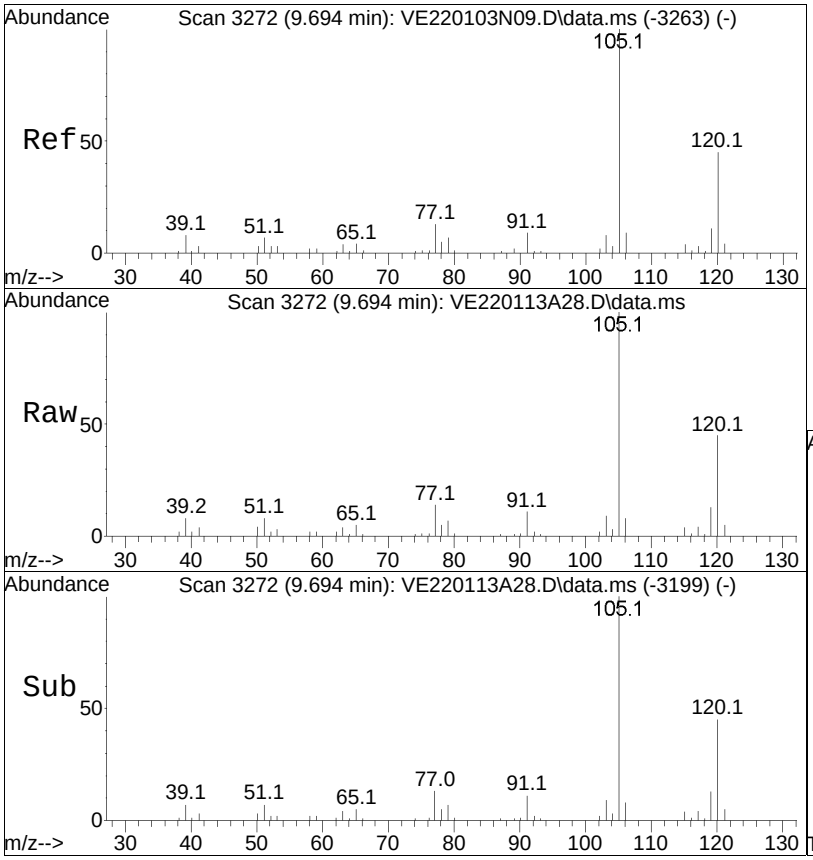


#94
tert-Butylbenzene
Concen: 10.41 ug/L
RT: 9.652 min Scan# 3257
Delta R.T. 0.006 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:119 Resp: 71865

Ion	Ratio	Lower	Upper
119	100		
91	67.4	51.4	77.2
134	24.0	18.3	27.5

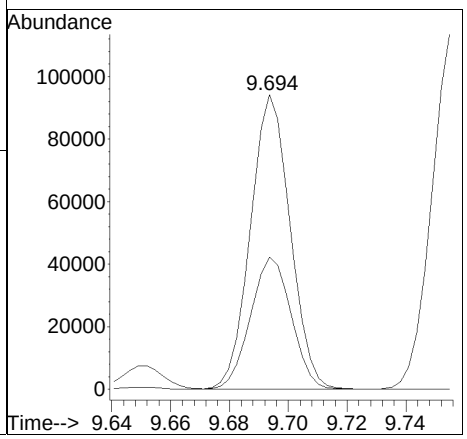


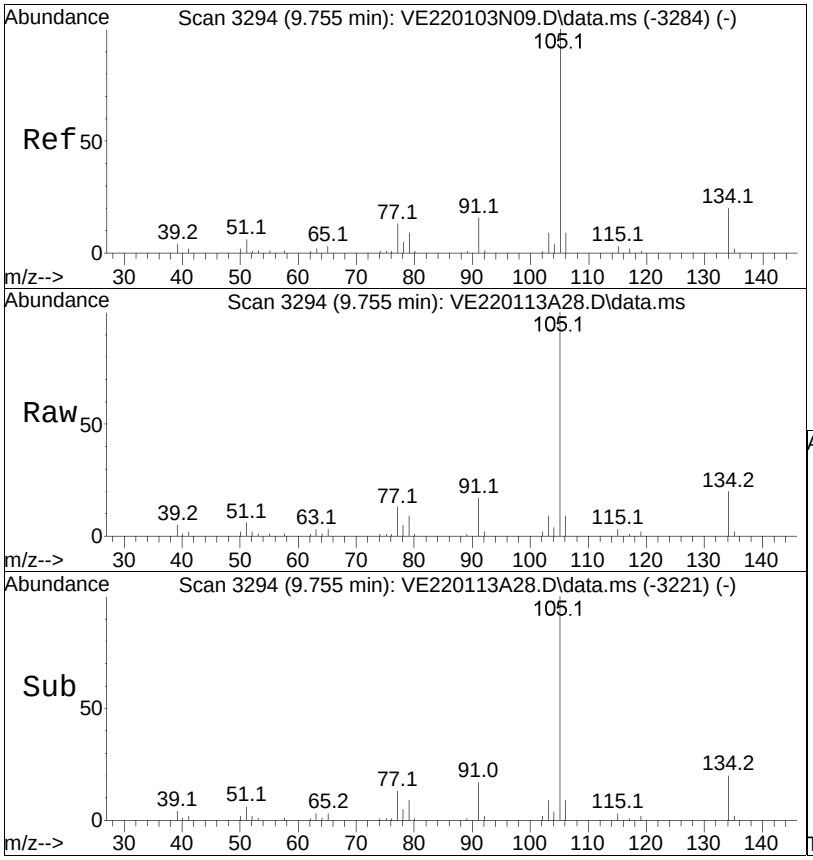


#97
1,2,4-Trimethylbenzene
Concen: 10.96 ug/L
RT: 9.694 min Scan# 3272
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:105 Resp: 88349

Ion	Ratio	Lower	Upper
105	100		
120	46.2	33.4	50.0

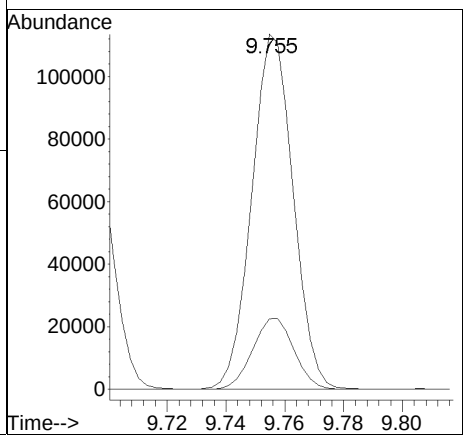


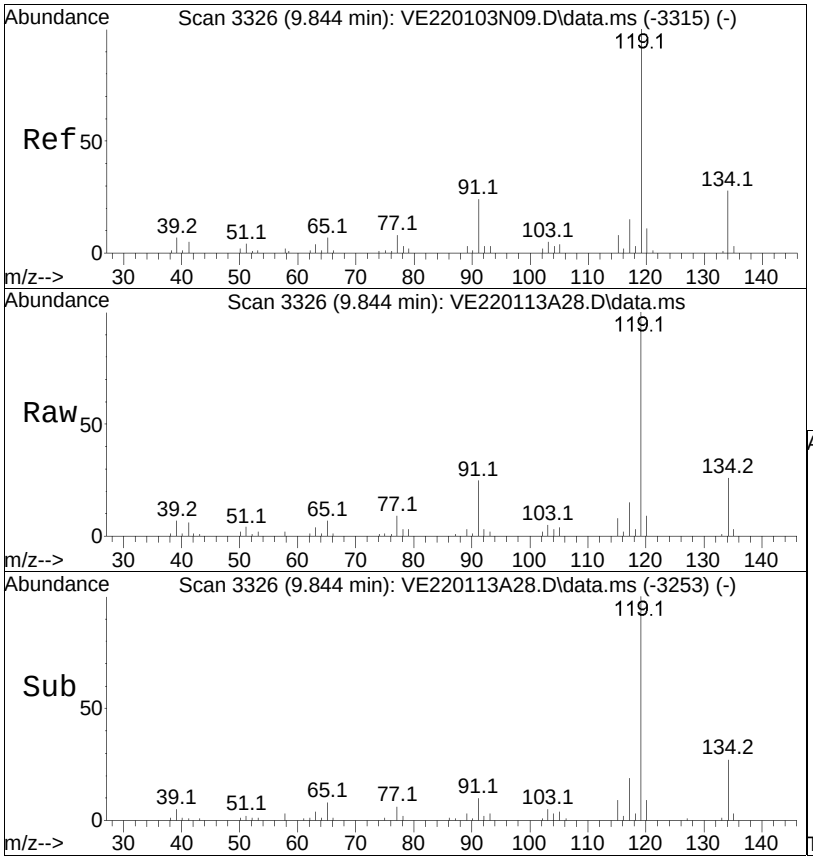


#98
sec-Butylbenzene
Concen: 10.92 ug/L
RT: 9.755 min Scan# 3294
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:105 Resp: 111068

Ion	Ratio	Lower	Upper
105	100		
134	20.0	12.5	26.1

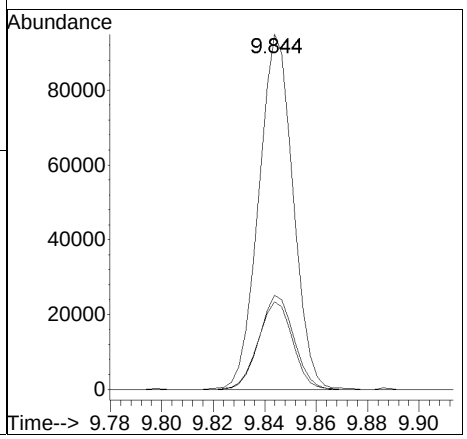


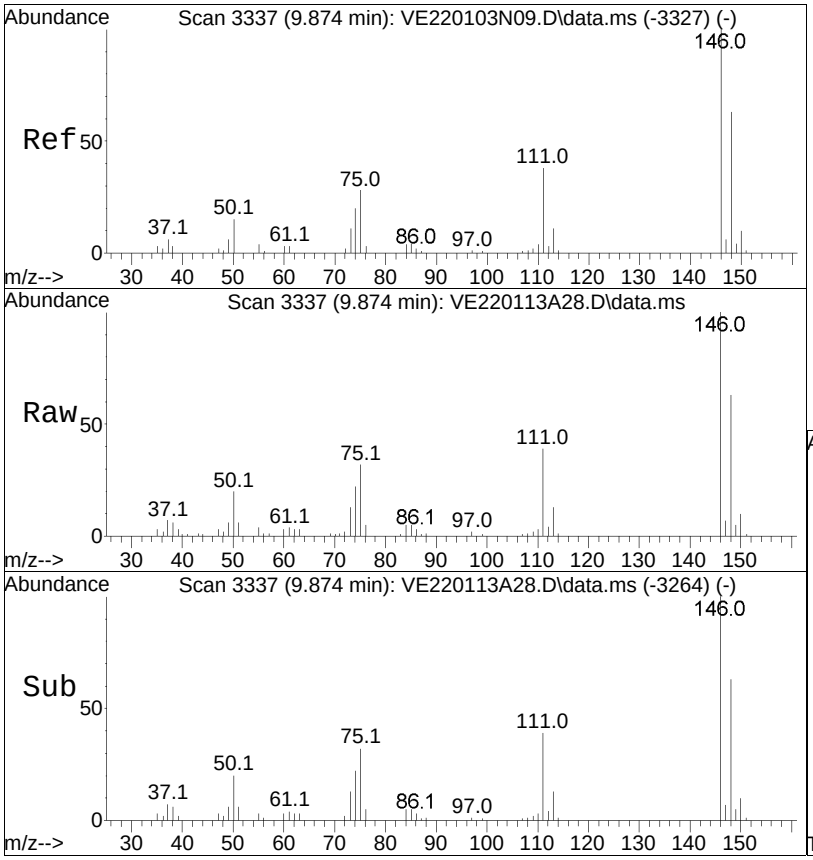


#99
p-Isopropyltoluene
Concen: 10.24 ug/L
RT: 9.844 min Scan# 3326
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:119 Resp: 88044

Ion	Ratio	Lower	Upper
119	100		
134	26.6	16.1	33.3
91	24.8	17.3	35.9

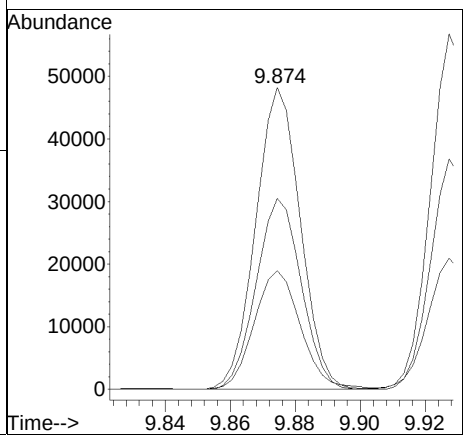


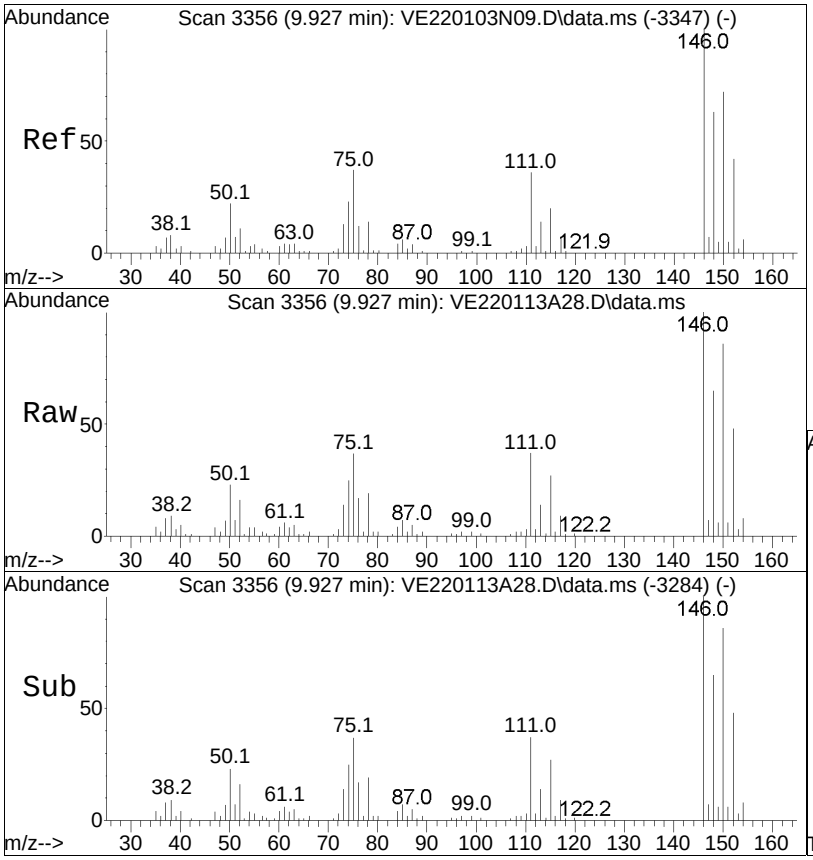


#100
1,3-Dichlorobenzene
Concen: 10.19 ug/L
RT: 9.874 min Scan# 3337
Delta R.T. 0.002 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:146 Resp: 46075

Ion	Ratio	Lower	Upper
146	100		
111	41.0	27.5	57.1
148	63.7	41.9	86.9

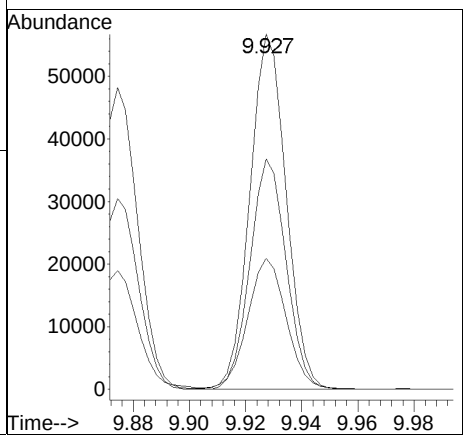


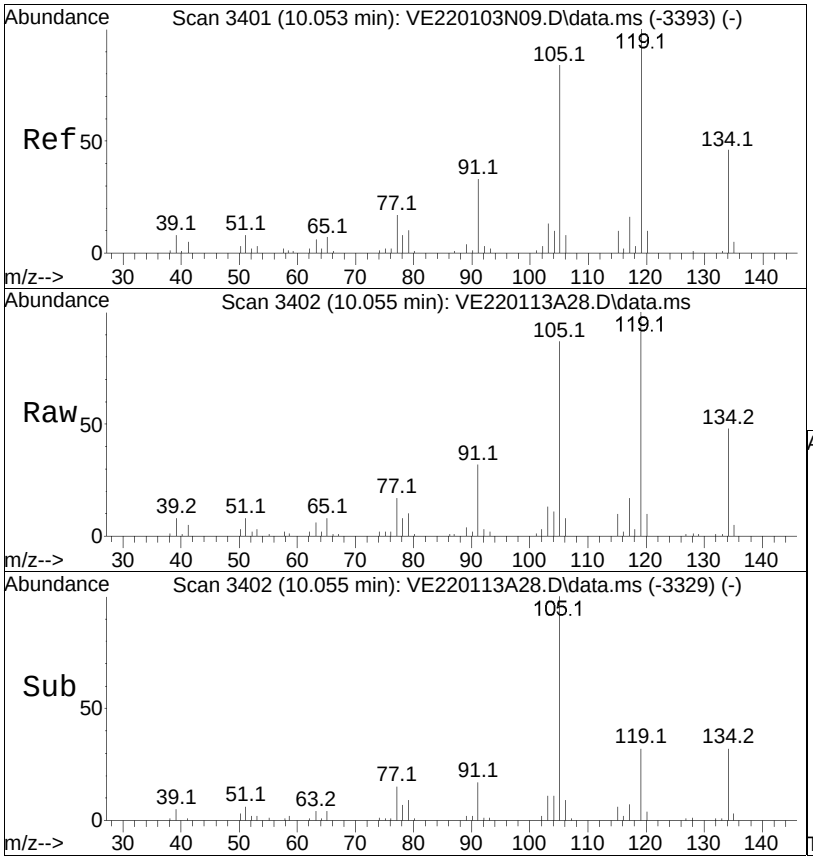


#101
1,4-Dichlorobenzene
Concen: 11.24 ug/L
RT: 9.927 min Scan# 3356
Delta R.T. 0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:146 Resp: 51116

Ion	Ratio	Lower	Upper
146	100		
111	39.3	32.3	48.5
148	64.6	49.9	74.9

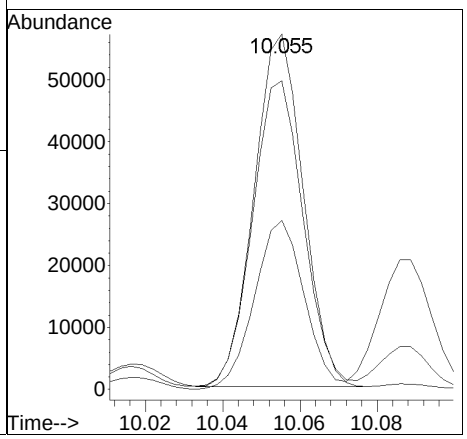


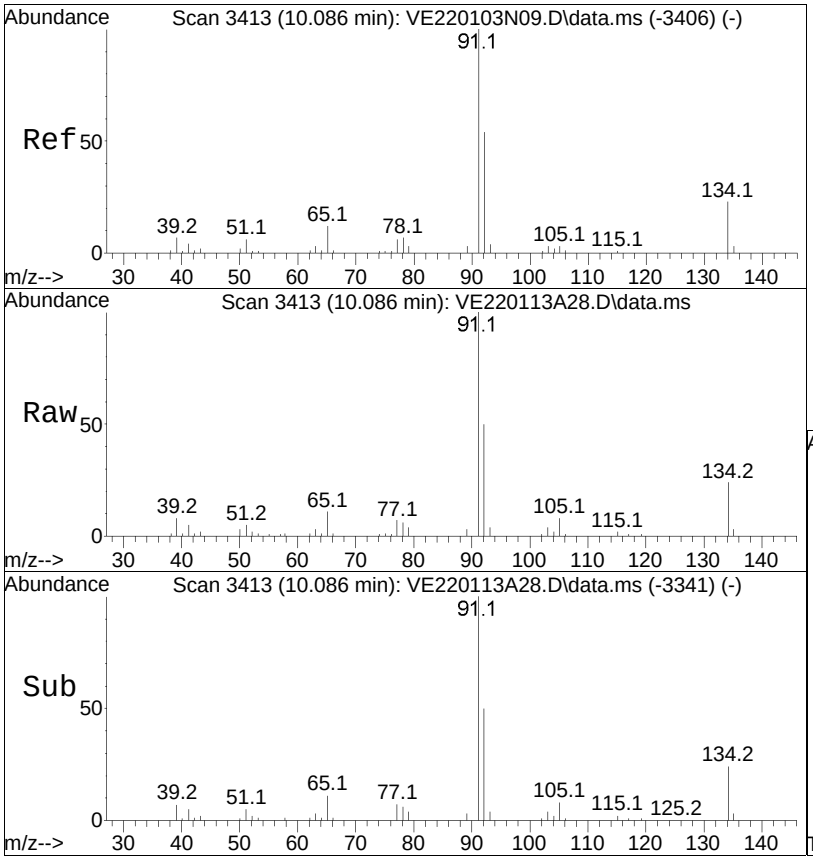


#102
p-Diethylbenzene
Concen: 9.93 ug/L
RT: 10.055 min Scan# 3402
Delta R.T. 0.002 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:119 Resp: 50393

Ion	Ratio	Lower	Upper
119	100		
105	92.1	59.5	123.7
134	48.8	30.2	62.6

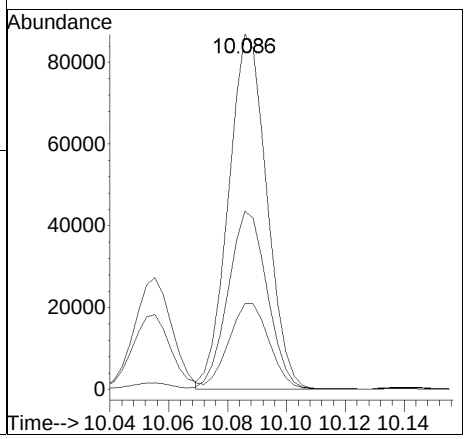


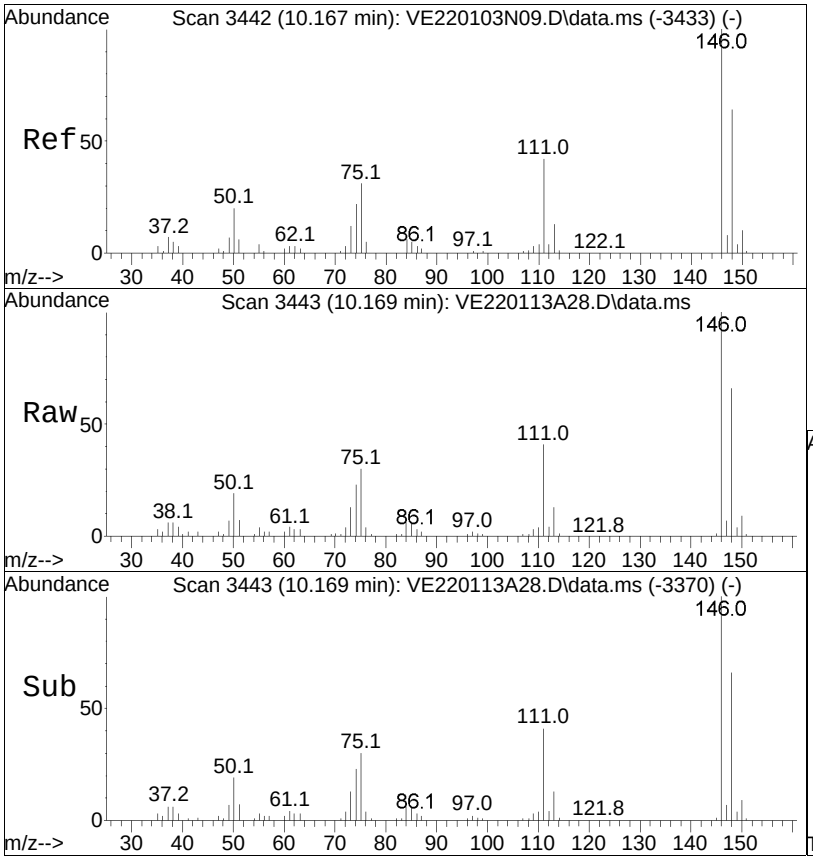


#103
n-Butylbenzene
Concen: 10.67 ug/L
RT: 10.086 min Scan# 3413
Delta R.T. -0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion: 91 Resp: 78731

Ion	Ratio	Lower	Upper
91	100		
92	51.3	43.0	64.4
134	25.4	19.6	29.4

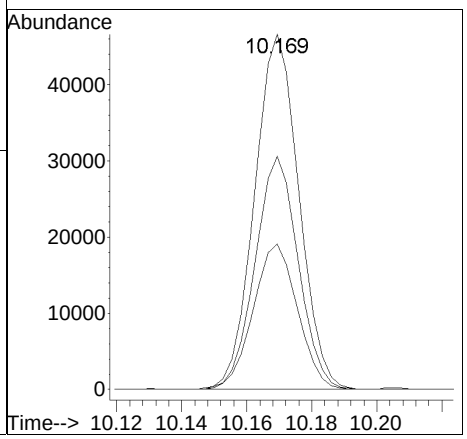


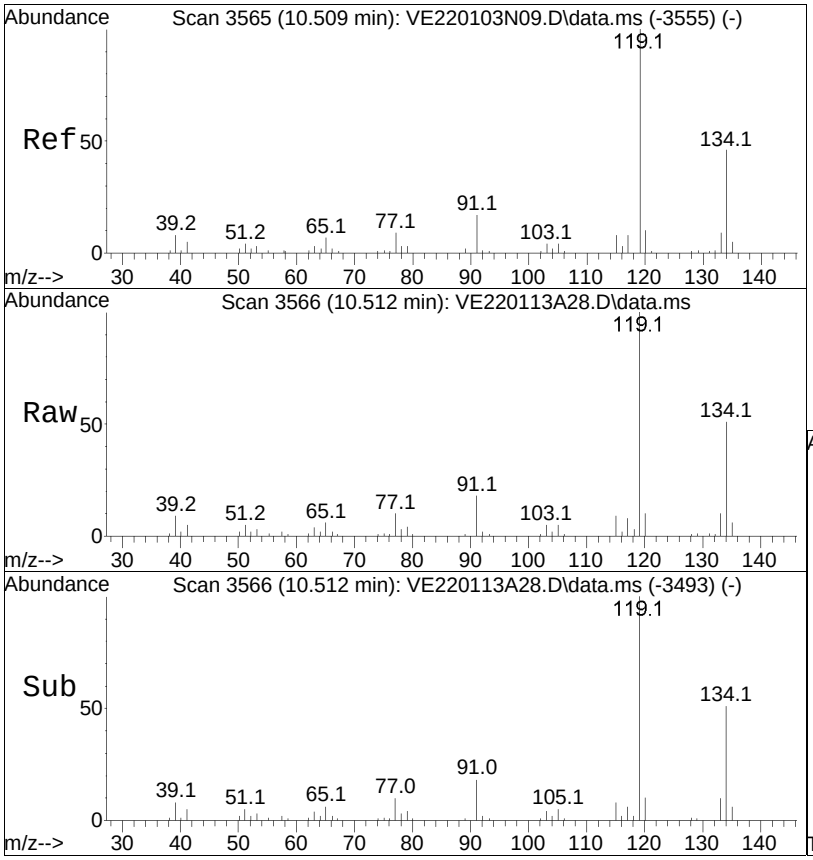


#104
1,2-Dichlorobenzene
Concen: 10.56 ug/L
RT: 10.169 min Scan# 3443
Delta R.T. 0.002 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:146 Resp: 44084

Ion	Ratio	Lower	Upper
146	100		
111	41.2	28.3	58.7
148	63.9	42.3	87.8

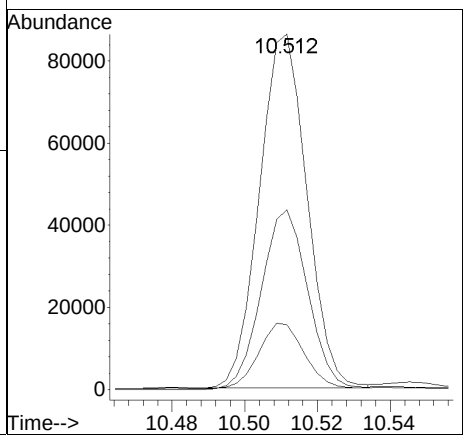


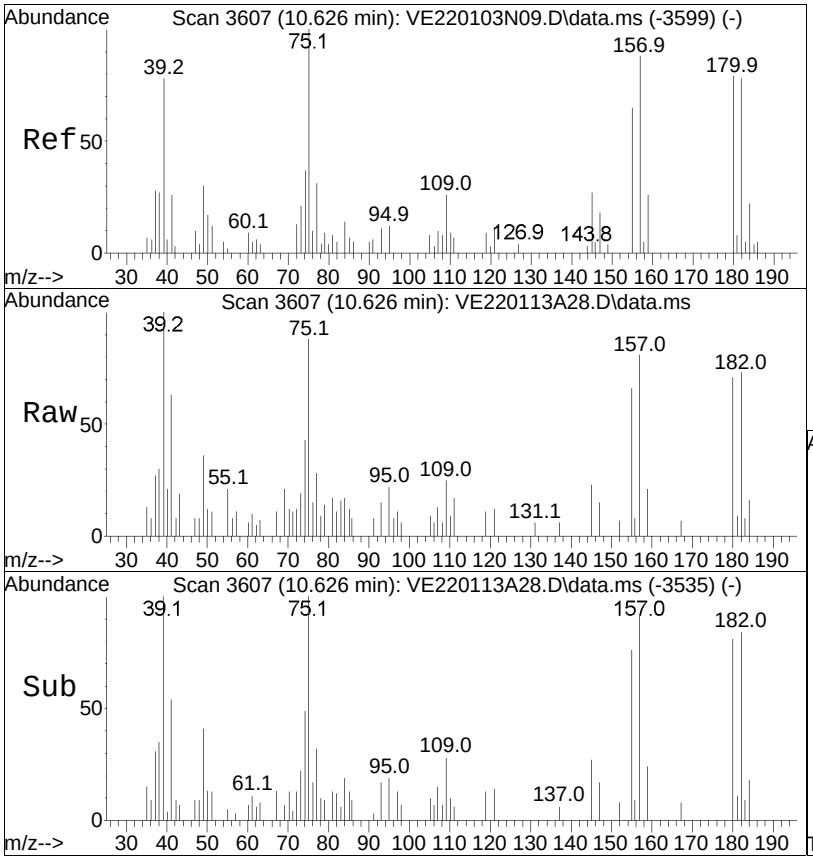


#105
1,2,4,5-Tetramethylbenzene
Concen: 10.12 ug/L
RT: 10.512 min Scan# 3566
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:119 Resp: 78190

Ion	Ratio	Lower	Upper
119	100		
134	50.0	30.5	63.3
91	17.6	12.4	25.7

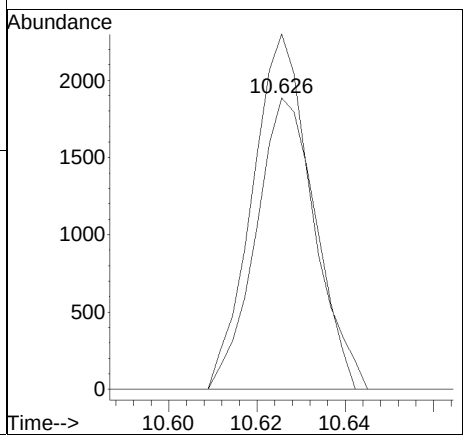


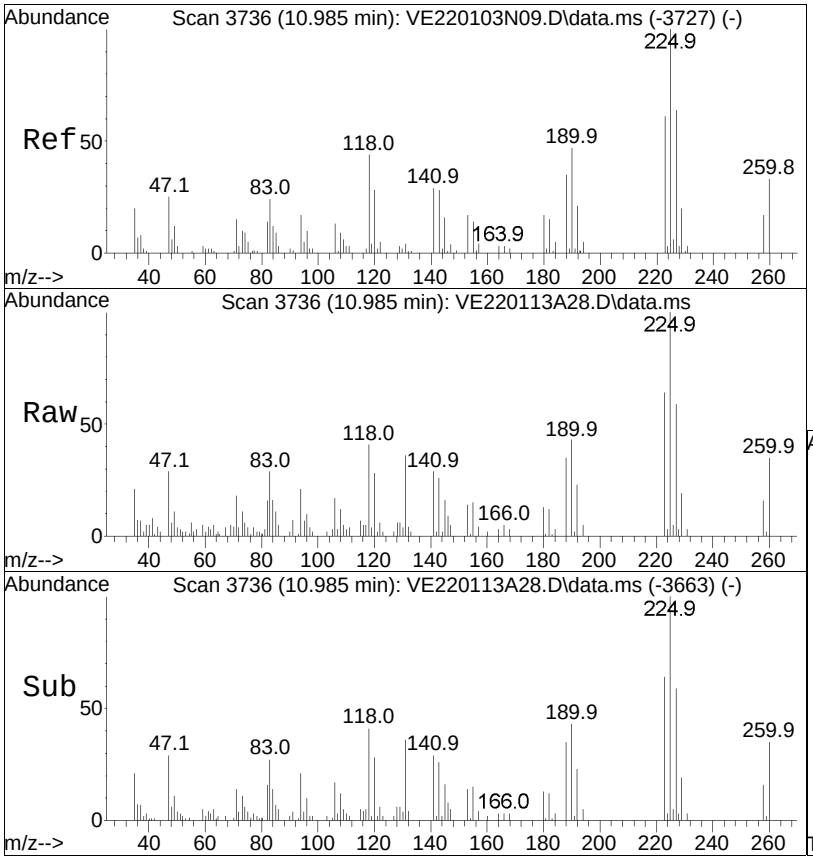


#106
1,2-Dibromo-3-chloropropane
Concen: 7.94 ug/L
RT: 10.626 min Scan# 3607
Delta R.T. -0.000 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:155 Resp: 1777

Ion	Ratio	Lower	Upper
155	100		
157	121.3	94.8	142.2

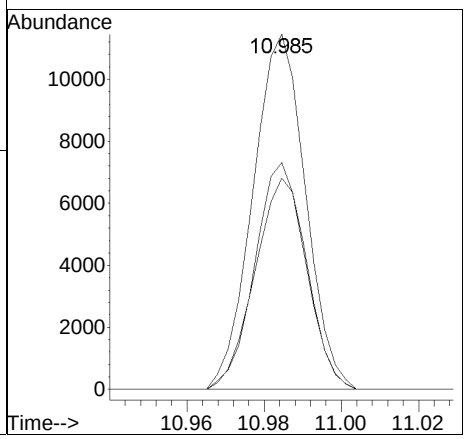


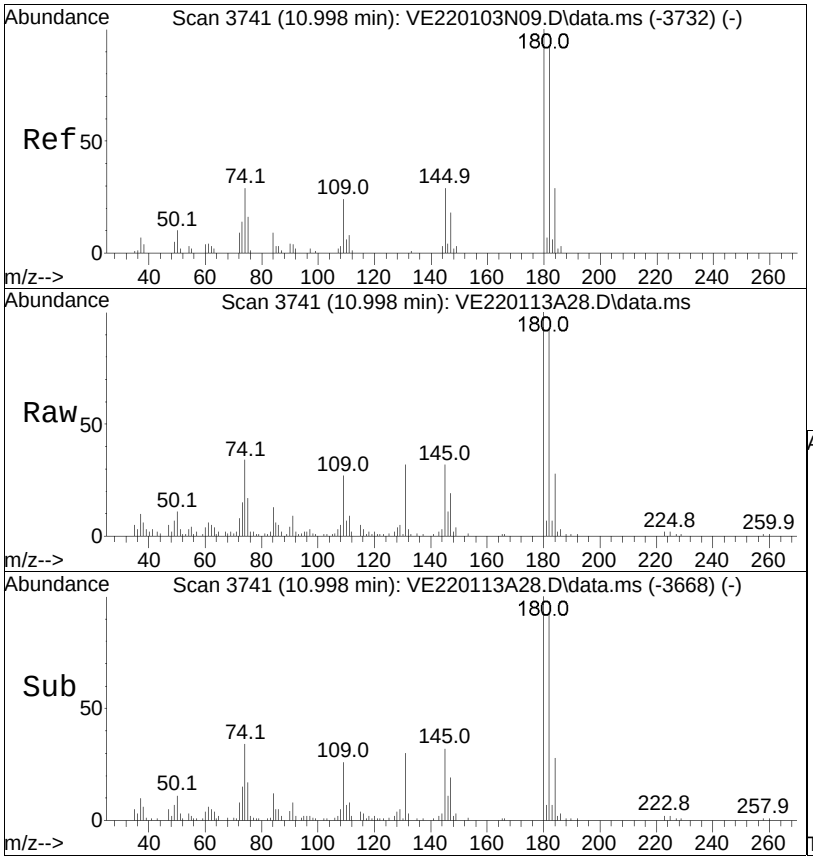


#108
Hexachlorobutadiene
Concen: 10.05 ug/L
RT: 10.985 min Scan# 3736
Delta R.T. 0.003 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:225 Resp: 10842

Ion	Ratio	Lower	Upper
225	100		
223	61.8	54.3	81.5
227	59.6	52.4	78.6

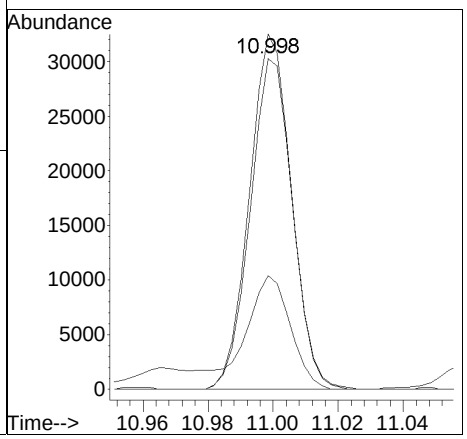


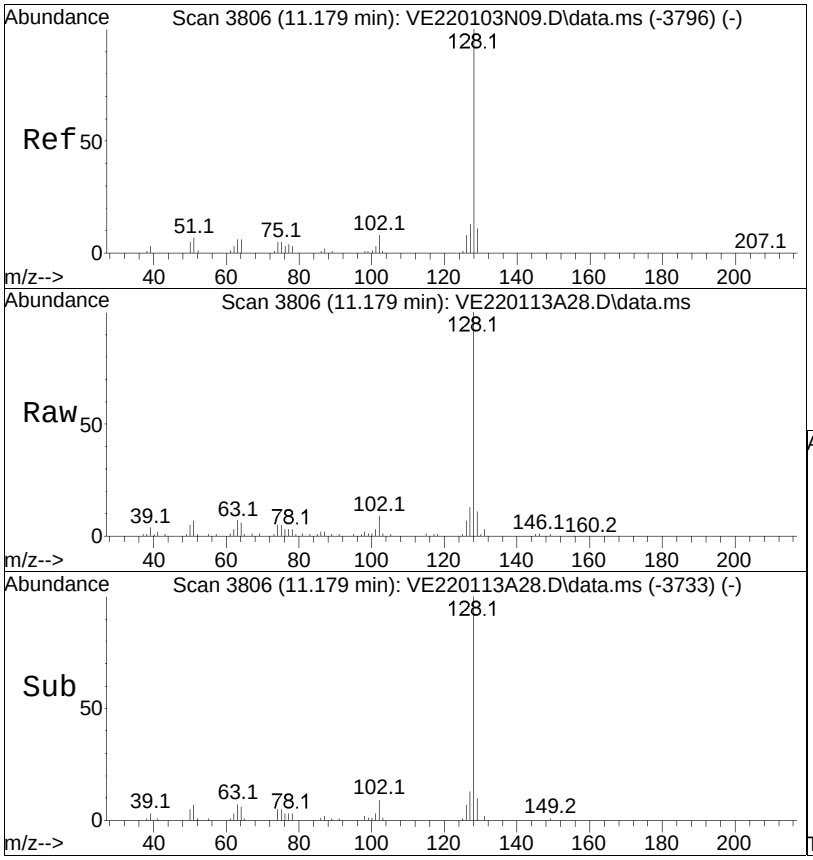


#109
1,2,4-Trichlorobenzene
Concen: 11.24 ug/L
RT: 10.998 min Scan# 3741
Delta R.T. 0.002 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:180 Resp: 29261

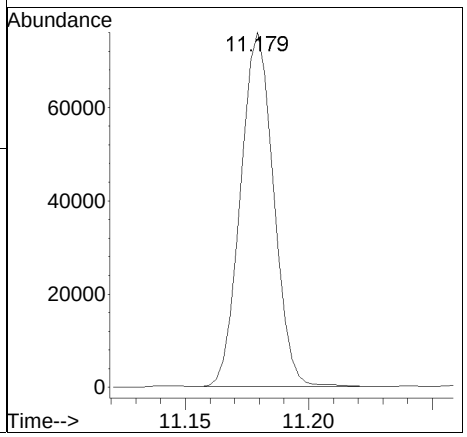
Ion	Ratio	Lower	Upper
180	100		
182	93.2	77.3	115.9
145	33.2	28.1	42.1

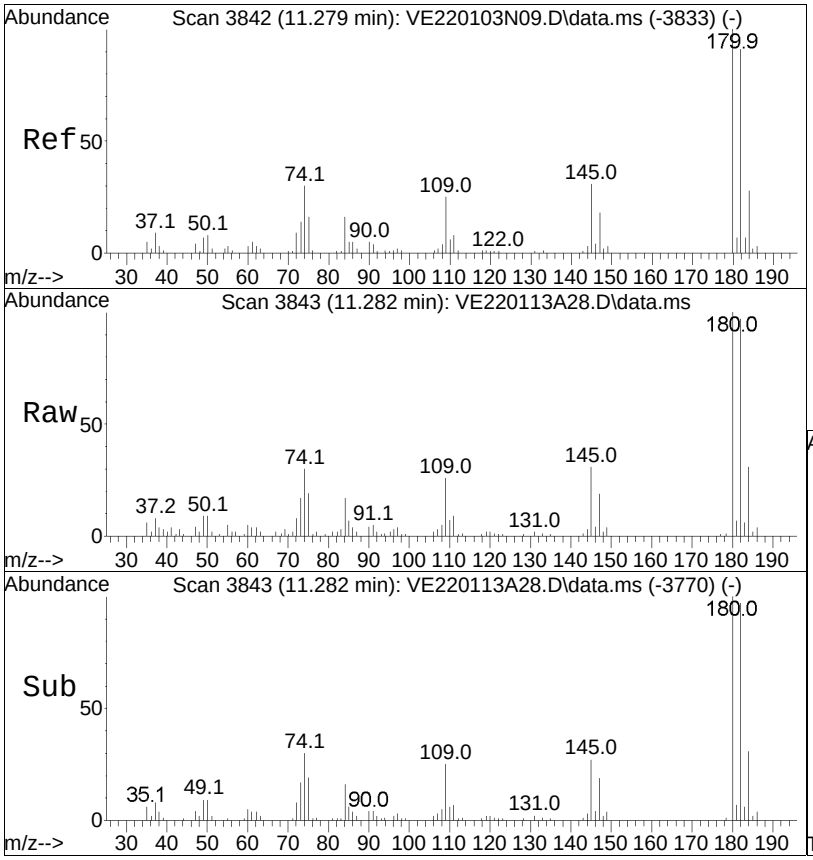




#110
Naphthalene
Concen: 13.96 ug/L
RT: 11.179 min Scan# 3806
Delta R.T. 0.002 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:128 Resp: 70707

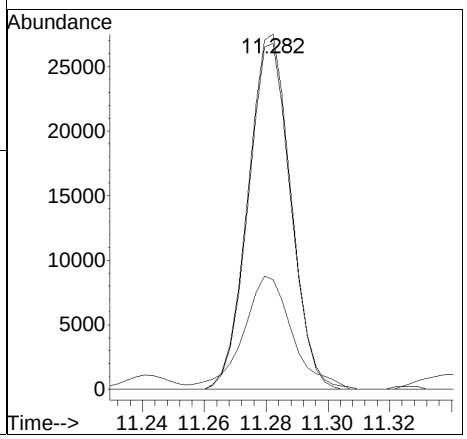




#111
1,2,3-Trichlorobenzene
Concen: 11.99 ug/L
RT: 11.282 min Scan# 3843
Delta R.T. 0.002 min
Lab File: VE220113A28.D
Acq: 13 Jan 2022 7:45 pm

Tgt Ion:180 Resp: 26583

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.4	114.6
145	36.4	26.4	39.6



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2022\2Q	Method	: Elaine_220103N_8260.m
Data File	: VE220113A28.D	Operator	: ELAINE:PD
Date Inj'd	: 1/13/2022 7:45 pm	Instrument	: Elaine
Sample	: WG1594142-7,31,10,10,,A2,P	Quant Date	: 1/14/2022 12:01 pm

There are no manual integrations or false positives in this file.

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jan 19 2022, 03:49 pm

Work Group: WG1594142 for Department: 31 GC/MS - Volatiles

Created: 14-JAN-22 Due: Operator: MKS

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2200912-01	MW-2S	S	NYTCL-8260	WATER	DONE	U	0120	0120	S0	Vial-B
L2200912-02	MW-2D	S	NYTCL-8260	WATER	DONE	U	0120	0120	S0	Vial-B
L2200912-03	MW-3S	S	NYTCL-8260	WATER	DONE	U	0120	0120	S0	Vial-B
L2200912-04	MW-3S-DUP	S	NYTCL-8260	WATER	DONE	U	0120	0120	S0	Vial-B
L2200912-05	MW-7S	S	NYTCL-8260	WATER	DONE	U	0120	0120	S0	Vial-B
L2200912-06	MW-8S	S	NYTCL-8260	WATER	DONE	U	0120	0120	S0	Vial-B
L2200912-07	FIELD BLANK 01062022	S	NYTCL-8260	WATER	DONE	U	0120	0120	S0	Vial-B
L2200912-08	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0120	0120	S0	Vial-B
L2201068-04	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0121	0121	S0	Vial-B
L2201123-01	IN BETWEEN CARBON	S	NYTCL-8260-R2	WATER	SEC	U	0121	0121	S0	Vial-B
L2201832-01	B-TW-3	C	NYTCL-8260	WATER	DONE	U	0126	0119	2E	Vial-B
L2201832-02	B-MW-3	C	NYTCL-8260	WATER	DONE	U	0126	0119	2E	Vial-B
L2201832-06	B-TW-1	C	NYTCL-8260	WATER	DONE	U	0126	0119	2E	Vial-B
L2201832-07	B-MW-2	C	NYTCL-8260	WATER	DONE	U	0126	0119	2E	Vial-B
WG1594142-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1594142-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1594142-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1594142-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1594142-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1594142-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1594142-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1594142-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1594142-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG1594142-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1594142-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG1594142-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1594142-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				
WG1594142-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				

Comments:

WG1594142-4	WG1594142-3
WG1594142-6	L2200912-03
WG1594142-7	L2200912-03

				Method	
Inst:	Elaine	BFB:	V8767	GC:	8260
Initials:	AJK	IS/SS:	V8787	Autosampler:	8260water10mL
Date:	**01/03/22**	ICAL:	V8803A,V8796	Concentrator:	8260
Run:	**N**	ICV:	V8792,V8793,V8755,V8798,V8768,V8797	QC:	Seq:

Vial	DATA FILE	SAMPLE	pH<2
1	VE220103BF1	BFB TUNE	
1	VE220103N01	blank	
2	VE220103N02	blank	
3	VE220103N03	I8260STD0.19PPB	
4	VE220103N04	I8260STD0.19PPB	
5	VE220103N05	I8260STD0.5PPB	
6	VE220103N06	I8260STD0.5PPB	
7	VE220103N07	I8260STD2PPB	
8	VE220103N08	I8260STD2PPB	
9	VE220103N09	I8260STD10PPB	
10	VE220103N10	I8260STD30PPB	
11	VE220103N11	I8260STD80PPB	
12	VE220103N12	I8260STD120PPB	
13	VE220103N13	I8260STD200PPB	
14	VE220103N14	blank	
15	VE220103N15	blank	
16	VE220103N16	blank	
17	VE220103N17	blank	
18	VE220103N18	blank	
19	VE220103N19	C8260STD10PPB	
20	VE220103N20	C8260STD10PPB	
21	VE220103N21	blank	
22	VE220103N22	blank	
23	VE220103N23	METHOD BLK	
24	VE220103N24	L11 MDL	
25	VE220103N25	L1 MDL	
26	VE220103N26	L2 MDL	

Method

Inst: Elaine BFB: V8767 GC: 8260

Initials: PD IS/SS: V8787 Autosampler: 8260water10mL

Date: **01/13/22** ICAL: V8803A,V8796 Concentrator: 8260

Run: **A** QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE			pH<2
1	VE220113ABF1	BFB TUNE 10:19			
1	VE220113A01	8260 CCAL QC FAILS			
2	VE220113A02	8260 CCAL LCS			
3	VE220113A03	8260 CCAL LCSD			
4	VE220113A04	BLK			
5	VE220113A05	METHOD BLK			
6	VE220113A06	L2201832-01,31,10,10,,A,R2E	NYCURVE		pH<2
7	VE220113A07	L2201832-02,31,10,10,,A,R2E	NYCURVE		pH<2
8	VE220113A08	L2201832-06,31,10,10,,A,R2E	NYCURVE		pH<2
9	VE220113A09	L2201832-07,31,10,10,,A,R2E	NYCURVE		pH<2
10	VE220113A10	L2200951-01D,31,2.0,10,,C,PRI	NJ/15		pH<2
11	VE220113A11	L2201425-02,31,10,10,,A	NJ/BENZ		pH<2
12	VE220113A12	L2200912-01,31,10,10,,A,PRI	NYTCL		pH<2
13	VE220113A13	L2200912-02,31,10,10,,A,PRI	NYTCL		pH<2
14	VE220113A14	L2200912-03,31,10,10,,A,PRI	NYTCL		pH<2
15	VE220113A15	L2200912-04,31,10,10,,A,PRI	NYTCL		pH<2
16	VE220113A16	L2200912-05,31,10,10,,A,PRI	NYTCL		pH<2
17	VE220113A17	L2200912-06,31,10,10,,A,PRI	NYTCL		pH<2
18	VE220113A18	L2200912-07,31,10,10,,A,PRI	NYTCL	FB	pH<2
19	VE220113A19	L2200912-08,31,10,10,,A,PRI	NYTCL	TB	pH<2
20	VE220113A20	L2200921-02D,31,2.0,10,,A	PA/SHORT		pH<2
21	VE220113A21	L2200921-01,31,10,10,,A	PA/SHORT		pH<2
22	VE220113A22	L2200921-03,31,10,10,,A	PA/SHORT		pH<2
23	VE220113A23	L2201123-01,31,10,10,,A	NYCURVE		pH<2
24	VE220113A24	L2201068-04,31,10,10,,A,PRI	NYCURVE	TB	pH<2
25	VE220113A25	L2201295-01,31,10,10,,C,PRI	NJ/15/TBA		pH<2
26	VE220113A26	BLK			
27	VE220113A27	L2200912-03MS,31,10,10,,A1,PRI	NYTCL		pH<2
28	VE220113A28	L2200912-03MSD,31,10,10,,A2,PRI	NYTCL		pH<2
29	VE220113A29	HSTD			
30	VE220113A30	BLK			
31	VE220113A31	BLK			